

ROLL NO. 25
OFFICIAL GAZETTE
UNITED STATES
PATENT OFFICE
JAN. & FEB. 1953
VOLUMES 666 & 667

MICRO PHOTO INC
CLEVELAND 3 OHIO 5

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

January 6, 1953 + Volume 666 + Number 1

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OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 665

DECEMBER

1952

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1953

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[Decisions of the United States Court of Appeals District of Columbia Circuit are indicated by the letter (*); of the United States Court of Customs and Patent Appeals by an asterisk (*); and of the Supreme Court of the United States by the letter (*).]

January 6, 1953

Volume 666

Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business December 19, 1952

Total number of patent applications awaiting action, 97,747. Date of oldest new application, March 25, 1952; date of oldest amended application, March 17, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) KEELY, J. E.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Sewerage.	4-10-52	4-10-52	1566
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers.	4-15-52	4-23-52	1218
3. WINDHAM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-20-52	5-20-52	1779
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus.	4-4-52	4-4-52	1443
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gate.	4-12-52	4-12-52	1059
6. SURLE, H., Carbon Chemistry (part).	4-16-52	4-5-52	2139
7. ANDERSON, E. G., (Acting), Optics; Photography (part).	4-17-52	4-14-52	1392
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	4-30-52	4-29-52	1320
9. BRANSON, J. H., Pumps and Fans; Fluid Motors.	4-10-52	4-10-52	1380
10. REYNOLDS, E. R., Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	4-21-52	4-16-52	1274
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	4-2-52	4-2-52	1256
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-29-52	3-21-52	1329
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sewing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	3-29-52	3-31-52	1306
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	4-10-52	4-8-52	1421
15. STEPHENSON, W. J. (Acting), Plastic; Plastic Block and Earthenware Apparatus; Glass.	4-21-52	4-18-52	1003
16. LOVEWELL, N. N., Television, Telephony.	4-1-52	4-3-52	1421
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-31-52	3-26-52	1448
18. KURZ, J. A., Power Plants; Speed Responsive Devices.	4-16-52	4-30-52	728
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	4-2-52	4-2-52	1071
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Breed, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-10-52	4-10-52	1299
21. MADER, R. C., Textiles.	3-26-52	3-25-52	1336
22. MARLAND, M. L., Aeronautics; Boats; Buoy; Ship; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	4-4-52	4-3-52	1130
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education.	4-1-52	4-2-52	886
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textile, Ironing or Smoothing.	5-15-52	5-3-52	1250
25. McNAB, J. C., (Acting), Classifying Solids; Centrifugal-Bowl Separators; Milk; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	3-27-52	3-26-52	1406
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	4-21-52	4-19-52	1561
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making.	4-9-52	4-9-52	1476
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engine; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-7-52	4-7-52	1183
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus).	4-23-52	3-28-52	1198
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating System; Refrigeration; Illuminating Burners.	5-9-52	5-9-52	1465
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-25-52	3-17-52	2397
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-proportioning Systems.	4-11-52	4-18-52	1430
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-19-52	4-17-52	1757
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	3-28-52	3-28-52	1129
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles.	4-18-52	4-17-52	1314
36. McFADYEN, A. D., Measuring and Testing.	4-21-52	4-25-52	1039
37. LEVY, L. M., Recorders.	4-9-52	4-2-52	1856
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	4-16-52	4-15-52	1489
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part).	6-14-52	6-16-52	1113
40. DRUMMOND, E. J., Receptacles (part); Packages.	6-11-52	6-5-52	1174
41. GURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-22-52	4-24-52	901

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 97,747. Date of oldest new application, March 25, 1952; date of oldest amended application, March 17, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	4-24-52	4-30-52	1079
43. KNIGHT, W. G., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-3-52	5-1-52	1477
44. HARVEY, L. P., Beds; Chairs; Seats.	4-2-52	4-1-52	1144
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-1-52	4-26-52	1286
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	3-27-52	4-2-52	1053
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	4-1-52	4-1-52	1671
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-9-52	4-8-52	1628
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	3-28-52	3-24-52	1413
50. BENOEL, W. G., Synthetic Resins; Rubber.	5-20-52	5-20-52	1486
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	4-18-52	4-16-52	1442
52. WHITNEY, F. L., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-22-52	4-23-52	2054
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-30-52	5-1-52	1030
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	4-4-52	4-2-52	1805
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	4-15-52	4-14-52	993
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	4-10-52	4-15-52	1436
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-21-52	5-15-52	1569
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spittoons.	4-26-52	4-15-52	1277
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	4-19-52	4-25-52	1165
60. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-8-52	4-3-52	1173
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-3-52	4-25-52	1153
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	4-2-52	4-4-52	1726
64. GORECKI, O. A., Fuels and Miscellaneous Compositions.	4-4-52	4-1-52	1814
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	4-26-52	4-19-52	1382
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	4-15-52	4-7-52	892
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	4-9-52	4-4-52	1703
68. HERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	5-20-52	5-22-52	1332
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-2-52	4-2-52	1139
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	3-25-52	3-21-52	3037
DESIGNS: A. BREHM, O. L., Industrial Arts.	8-28-52	8-26-52	692
B. ORAY, M. A., Household, Personal and Fine Arts.	9-2-52	9-2-52	784

*Div. 60 was abolished as of December 15, 1952. See Commissioners Administrative Order No. 41, (665 O. O. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 13,206. Date of oldest new application, July 10, 1952; date of oldest amended application, July 10, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 12, 15, 18, 27, 28, 30, 33, 35, 44, 51, 52.	7-10-52	7-10-52	2974
II. SUMMERS, O. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	7-10-52	7-10-52	3681
Renewals (All Classes)	10-22-52	12-2-52	507
Republications (All Classes)	10-21-52	10-21-52	212
III. BACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	7-10-52	7-10-52	3214
IV. KEYS, O. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	7-18-52	7-11-52	2618

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,012,410, W. Shotey, Device for dressing grinding wheels, D. C., E. D. Mich. (Detroit), Doc. 5589, *W. Shotey v. Amgo Gage Co.* Stipulation and order of dismissal with prejudice (notice Oct. 13, 1952).

1,987,941, C. B. Mathews, Feed grinder; 2,350,643, Schwabke & Hoadley, Machine for preparing food products; 2,295,868, same, Process for preparing food; 2,120,138, C. B. Mathews et al., Method for producing food products, D. C., N. D. Ill. (Chicago), Doc. 49c1089, *Flakall Corp. et al. v. Confections, Inc.; et al.* Consent judgment dismissing complaint and counterclaim Oct. 10, 1952.

2,090,318, M. T. Volgt, Garment-shaping machine, filed Oct. 10, 1952, D. C., S. D. N. Y., Doc. 79/250, *American Safety Table Co., Inc. v. Schreiber & Goldberg.*

2,120,138. (See 1,987,941.)

2,120,667, B. Gruskin, Therapeutic agent for use in the treatment of infection, filed Sept. 4, 1952, D. C., District of Columbia, Doc. 3942—52, *Ryston Co., Inc. v. M. P. Angland.*

2,148,267, E. A. Honore, Method of and apparatus for radiogoniometric indication; 2,513,316, J. E. Hawkins, Radio survey system, filed Oct. 14, 1952, D. C., E. D. La. (New Orleans), Doc. 3688, *E. A. Honore v. Offshore Radiat, Inc.*

2,205,581, A. S. Staff, Knitted fabric, filed Oct. 10, 1952, D. C., S. D. N. Y., Doc. 79/199, *Tetragon Mills, Inc. v. Young's Textile Mills, Inc.*

2,247,174, L. Muller, Combined cigarette case and lighter, filed Oct. 17, 1952, D. C., S. D. N. Y., Doc. 79/258, *Westro, Inc. v. Illinois Watch Case Co.*

2,295,868. (See 1,987,941.)

2,301,081, B. Rosenberg, Window curtain, filed Oct. 16, 1952, D. C., S. D. N. Y., Doc. 79/235, *Cameo Curtains, Inc. v. Howard Curtain Co., Inc.*

2,306,879, B. F. Hamilton et al., Stool or chair, D. C., N. D. Ohio (Cleveland), Doc. 6627, *Hamilton Mfg. Corp. v. Toledo Guild Products, Inc.* Judgment on behalf of defendant and dismissing cause Oct. 20, 1952.

2,350,843. (See 1,987,941.)

2,445,645, D. K. Stephens, Apparatus for painting the inside of pipe lines, D. C., W. D. Tex. (El Paso), Doc. 1298 (Pecos) 1319 (El Paso), *Panhandle Eastern Pipe Line Co. v. Curtis-Tomlinson Co. et al.* Patent held not infringed Sept. 9, 1952.

2,513,316. (See 2,148,267.)

2,606,377, L. B. Edwards, Method and apparatus for treating fabric garments during the pressing operation, D. C., N. D. Ill. (Chicago), Doc. 52c1969, *L. B. Edwards v. Ridge Road Cleaners.* Consent judgment favor plaintiff, patent held valid and infringed Oct. 16, 1952. Same, filed Oct. 17, 1952, D. C. Kana. (Fort Scott), Doc. 68, *Le Roy B. Edwards v. Ellis Cleaners.*

2,608,688, J. Leonard, Tapering panel construction for foundation garments, filed Oct. 15, 1952, D. C., S. D. N. Y., Doc. 79/228, *Mona Lisa Foundations, Inc. v. Figure Builder Foundations, Inc.*

2,609,039, R. D. Henderson, Axially compressing type tire dismounting apparatus, filed Oct. 17, 1952, D. C., S. D. Ohio (Cincinnati), Doc. 3020, *Coots Loaders & Stackers, Inc. v. Big Four Industries, Inc.* Same, filed Oct. 20, 1952, D. C., N. D. Iowa (Fort Dodge), Doc. 552, *Big Four Industries, Inc. v. Coots Loaders & Stackers, Inc.*

Des. 145,124, C. Fenton, Wind control weatherproof feed box, D. C., S. D. Fla. (Tampa), Doc. 2214, *C. Fenton v. Doyle Knight.* Injunction Oct. 13, 1952.

Des. 164,005, J. A. Lacey, Slipper, filed Oct. 17, 1952, D. C., S. D. N. Y., Doc. 79/265, *Daniel Green Co. v. Honeybugs, Inc., et al.*

Des. 165,259, F. C. Baker, Ceiling light fixture, filed Oct. 8, 1952, D. C. Oreg. (Portland), Doc. 6653, *Baker-Borkon Co. v. Webb Electric Mfg. Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1115; act of July 5, 1946

T. M. 305,503, H. W. Kinney, Maltose-dextrin carbohydrate with dextrose; T. M. 418,058, H. W. Kinney & Sons, Inc., Carbohydrate syrup for infant feeding, D. C., N. D. Ill. (Chicago), Doc. 52c1495, *Sterling Drug, Inc. v. D. J. Marcey Co.* Default judgment against defendant, Injunction Oct. 10, 1952.

T. M. 418,058. (See T. M. 305,503.)

T. M. 543,544, Flexi-Mat Corp., Floor mat, D. C., N. D. Ill. (Chicago), Doc. 52c1875, *Flexi-Mat Corp. v. Murray Frank & Associates.* Consent decree restraining defendant (notice Oct. 20, 1952).

Vol. 666 • No. 1

Tuesday, January 6, 1953

Price \$35.00 per year

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NOTICES

Adjudicated Patents

Hansen and Horst Patent No. 2,298,373, for a slow speed synchronous motor. Claims 4 and 9 to 11 Held invalid. *General Time Corporation v. Hansen Manufacturing Company, Inc.*, 199 F.2d 259; 95 USPQ 99.

Love Patent No. 2,320,624, for a disk harrow, Held invalid. *Continental Farm Equipment Company, Inc. v. Love Tractor, Inc.*, 199 F.2d 202; 95 USPQ 127.

Interference Notice

Surface-Proofing Products, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between an application of Armstrong Paint & Varnish Works of Chicago, Illinois, for registration of a trade-mark, and a Registration No. 362,027 issued to Surface-Proofing Products, Inc., of New York, N. Y., and it appearing from the record of the proceeding that the registrant corporation has been dissolved and that the registered mark in question may have been transferred, notice is hereby given that unless said Surface-Proofing Products, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Dec. 30, 1952.)

Dec. 11, 1952. THOMAS F. MURPHY,
Assistant Commissioner of Patents.

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Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,434,294, E. L. Ginston, Frequency control systems, decided Nov. 24, 1952, claims 1, 8, 11, and 16.

Pat. 2,451,204, J. Dolza, D. P. Croissant, A. W. Gaubatz, and P. W. Perish, Engine controller, decided Sept. 30, 1952, claims 13, 14, 15, and 16.

Pat. 2,451,205, C. H. Jorgensen and W. H. Taylor, Engine controller, decided Sept. 30, 1952, claims 10, 11, and 26.

Pat. 2,516,864, A. W. Gilmore and O. Koger, Method of making hose from elastomeric composition, decided Sept. 12, 1952, claims 1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 13, and 14.

Pat. 2,553,083, E. F. Saxman, Jr., Automatic flight control and approach and landing system for aircraft, decided Nov. 28, 1952, claim 6.

Pat. 2,564,677, J. K. Davis, Electrically conducting coatings on glass and other ceramic bodies, decided Dec. 9, 1952, claim 1.

Pat. 2,573,770, L. E. Meadow, Handbag, decided Nov. 17, 1952, claim 1.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

American Telephone and Telegraph Company has placed 292 patents on the Register as available for licensing on reasonable terms, in addition to the more than 10,000 patents previously registered and published. A statement of the company's policy in licensing its patents was published in the Register Section of the OFFICIAL GAZETTE, Feb. 15, 1949.

Inquiries concerning licenses should be addressed to: Patent Licensing Division, Western Electric Company, Inc., 195 Broadway, New York 7, N. Y.

The present listing includes Reg. Nos. 49,886 through 50,177. Groups 28-83; 33-41-51-52-59-73-X4-91; 34-72; 35-43-60-71-79-84; 36-11-13-19-21-31-61-62-91-99; 37-22.

The majority of these patents relate to communications and allied fields. Included are patents relating to: Telephone, telegraph, radio, television, and radar equipment; transmitter circuits and systems; apparatus for effecting and feeding material for making thermistor units; methods and apparatus for manufacturing cables, conductors, coils, retractile extension cords, and for coating and electroplating wire; plastic extrusion apparatus, plastic compounds, and shut-off mechanism for a plastic extrusion nozzle; method and circuit for pulsation welding; hood for an apron type foundry conveyor; electrical testing and indicating devices, including a tester for detecting "swinging opens" in fuses; and a machine for applying measured charges of adhesive. Other patents relate to: Ground trainer for aircraft; gun computer; magnetic fluid clutch and brake mechanism; method and apparatus for controlled heating of warehouses and factories to minimize temperature effect from exterior open doors during cold weather; maintenance brackets for temporarily supporting switchboards during inspection and repair; pliers for stripping insulation from wire; pistol grip type hand tool for connecting wires to electrical terminals; screw thread upsetting tool; internal pipe cutter; battery holder for hearing aids; sea water battery; and a temperature controlled electric soldering iron.

Pat. 2,569,443. Telegraph Storage System. Oct. 2, 1951.

Pat. 2,569,478. Telegraph Storage System. Oct. 2, 1951.

Pat. 2,569,926. Two-Wire Double Commutation Telegraph System. Oct. 2, 1951.

Pat. 2,569,972. Two-Wire Test Clip. Oct. 2, 1951.

Pat. 2,569,980. Motor Control for Signal Responsive Selector Mechanism. Oct. 2, 1951.

Pat. 2,570,225. Series Electronic Switch. Oct. 9, 1951.

Pat. 2,570,305. Electric Wave Transmission. Oct. 9, 1951.

Pat. 2,570,505. Automatic System for Checking Receipt of Telegraph Messages in Numerical Order. Oct. 9, 1951.

Pat. 2,570,773. Film Tensioning Apparatus. Oct. 9, 1951.

Pat. 2,570,912. Method and Means for Locating Non-Linearities in Inaccessible Cables. Oct. 9, 1951.

Pat. 2,570,919. Notching and Embossing Punch and Die. Oct. 9, 1951.

Pat. 2,570,929. Apparatus for Taping Cores. Oct. 9, 1951.

Pat. 2,570,940. Key Sequence Indicating Keyset. Oct. 9, 1951.

Pat. 2,570,944. Film Controlled Motor Switch. Oct. 9, 1951.

Pat. 2,570,967. Gauging Apparatus. Oct. 9, 1951.

Pat. 2,570,971. Vertical Line Number Translator. Oct. 9, 1951.

Pat. 2,570,978. Semiconductor Translating Device. Oct. 9, 1951.

Pat. 2,571,023. Mechanism for Controlling the Speed of Motors. Oct. 9, 1951.

Pat. 2,571,040. Method of Making Switch Parts. Oct. 9, 1951.

Pat. 2,571,049. Pneumatic Counterweight. Oct. 9, 1951.

Pat. 2,571,061. Reel Spindle. Oct. 9, 1951.

Pat. 2,571,065. Automatic Machine for Metering and Applying Adhesive to Diaphragms. Oct. 9, 1951.

Pat. 2,571,167. Masking Device for Crystals. Oct. 16, 1951.

Pat. 2,571,182. Vertical Tabulation Mechanism for Telegraph Printers. Oct. 16, 1951.

Pat. 2,571,290. Screw Insert. Oct. 16, 1951.

Pat. 2,571,680. Pulse Code Modulation System Employing Code Substitution. Oct. 16, 1951.

Pat. 2,571,709. Apparatus for Electroplating Articles. Oct. 16, 1951.

Pat. 2,571,715. Strip Material. Oct. 16, 1951.

Pat. 2,571,760. Damping Means. Oct. 16, 1951.

Pat. 2,571,800. Signal Transmitter. Oct. 16, 1951.

Pat. 2,572,104. Private Branch Exchange Telephone System. Oct. 23, 1951.

Pat. 2,572,132. Transcribing and Summarizing System. Oct. 23, 1951.

Pat. 2,572,210. Current Supply Apparatus. Oct. 23, 1951.

Pat. 2,572,216. Signal Receiving System. Oct. 23, 1951.

Pat. 2,572,232. High-Frequency Wavemeter. Oct. 23, 1951.

Pat. 2,572,235. Multichannel Intermodulation Interference Reduction Radio Communication System. Oct. 23, 1951.

Pat. 2,572,503. Key Equipped Telephone Set. Oct. 23, 1951.

Pat. 2,572,586. Sweep Circuit. Oct. 23, 1951.

Pat. 2,572,598. Contact Protection. Oct. 23, 1951.

Pat. 2,572,611. Internal Pipe Cutter. Oct. 23, 1951.

Pat. 2,572,613. Setscrew. Oct. 23, 1951.

Pat. 2,572,617. Maintenance Bracket. Oct. 23, 1951.

Pat. 2,572,618. Maintenance Bracket. Oct. 23, 1951.

Pat. 2,572,628. Wave-Guide Transmission System. Oct. 23, 1951.

Pat. 2,572,646. Apparatus for High-Frequency Heating and Sealing Fixtures. Oct. 23, 1951.

Pat. 2,572,667. Method of Producing Quartz Crystals. Oct. 23, 1951.

Pat. 2,572,672. Impedance Transforming Network. Oct. 23, 1951.

Pat. 2,572,685. Tape Feed Suppression Mechanism. Oct. 23, 1951.

Pat. 2,572,699. Charge and Tax Determining Equipment for Telephone Systems. Oct. 23, 1951.

Pat. 2,572,740. Private Branch Exchange Telephone System. Oct. 23, 1951.

Pat. 2,572,804. Automatic Accounting Device. Oct. 23, 1951.

Pat. 2,572,831. Communication System. Oct. 30, 1951.

Pat. 2,572,970. Coaxial Line Coupler. Oct. 30, 1951.

Pat. 2,573,065. Magnetic Fluid Clutch and Brake. Oct. 30, 1951.

Pat. 2,573,148. Tunable Resonance Chamber. Oct. 30, 1951.

Pat. 2,573,150. Frequency Divider. Oct. 30, 1951.

Pat. 2,573,168. Mechanical Impedance Transformer. Oct. 30, 1951.

Pat. 2,573,432. Assembling Fixture. Oct. 30, 1951.

Pat. 2,573,439. Retractable Cord and Method of Making Retractable Cords. Oct. 30, 1951.

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- Pat. 2,573,440. Apparatus for Plasticizing Plastic Material. Oct. 30, 1951.
- Pat. 2,573,488. Apparatus for Testing Electrical Conductors. Oct. 30, 1951.
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- Pat. 2,575,058. Microwave Radar Antenna. Nov. 13, 1951.
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- Pat. 2,575,062. Reel Spindle. Nov. 13, 1951.
- Pat. 2,575,363. Harmonic Crystal Oscillator. Nov. 20, 1951.
- Pat. 2,575,370. Cold Cathode Gaseous Discharge Device. Nov. 20, 1951.
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- Pat. 2,575,383. High-Frequency Amplifying Device. Nov. 20, 1951.
- Pat. 2,575,391. Detachable Handle and Socket for a Dolly. Nov. 20, 1951.
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- Pat. 2,579,327. High-Frequency Energy Absorbing Variable Coupling Device. Dec. 18, 1951.
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- Pat. 2,579,468. Apparatus for Making Coaxial Cable Units. Dec. 25, 1951.
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- Pat. 2,579,612. Telegraph Converter System and Apparatus. Dec. 25, 1951.
- Pat. 2,579,729. Automatic Telephone Message Accounting System. Dec. 25, 1951.
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- Pat. 2,580,069. Dial Pulse Receiving Circuit. Dec. 25, 1951.
- Pat. 2,580,073. Time Multiplex Television in Color. Dec. 25, 1951.
- Pat. 2,580,082. Relay Translating Circuit. Dec. 25, 1951.

- Pat. 2,580,083. Contrast Pattern Generator. Dec. 25, 1951.
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- Pat. 2,580,095. Electronic Code Pulse Transmitting Circuit. Dec. 25, 1951.
- Pat. 2,580,097. System for Testing Cable Repeater. Dec. 25, 1951.
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- Pat. 2,580,757. Alarm Sending Circuit. Jan. 1, 1952.
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- Pat. 2,582,474. Gun Computer Having Target Rate Integrating Means for Determining Target Position. Jan. 15, 1952.
- Pat. 2,582,480. Register Circuit. Jan. 15, 1952.
- Pat. 2,582,481. Temperature-Controlled Soldering Iron. Jan. 15, 1952.
- Pat. 2,582,491. Apparatus for Straightening Round Rods or Tubes of Plastic Material. Jan. 15, 1952.
- Pat. 2,582,498. Negative Impedance Repeater and Loading System. Jan. 15, 1952.
- Pat. 2,582,499. Electrical Test Circuit. Jan. 15, 1952.
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- Pat. 2,582,510. Polyethylene Stabilized With Sulfur Plus a Vulcanization Accelerator. Jan. 15, 1952.
- Pat. 2,582,519. Screw Thread Upsetting Tool. Jan. 15, 1952.
- Pat. 2,582,690. Backlash Eliminating Device. Jan. 15, 1952.
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- Pat. 2,582,959. Electron-Tube Controlled Switching System. Jan. 22, 1952.
- Pat. 2,583,008. Asymmetric Electrical Conducting Device. Jan. 22, 1952.
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- Pat. 2,583,029. Method of Preparing Glow Discharge Devices. Jan. 22, 1952.
- Pat. 2,583,086. Tape Perforating Machine. Jan. 22, 1952.
- Pat. 2,583,088. Alarm Signaling System. Jan. 22, 1952.
- Pat. 2,583,102. Counting System. Jan. 22, 1952.
- Pat. 2,583,119. Apparatus for Forming Retractable Cords. Jan. 22, 1952.
- Pat. 2,583,328. Circuit for Controlling the Release of a Relay. Jan. 22, 1952.
- Pat. 2,583,542. Vibratory Reed-Controlled Oscillator. Jan. 29, 1952.
- Pat. 2,583,562. Cathode-Ray Device. Jan. 29, 1952.
- Pat. 2,584,261. Ground Trainer for Aircraft Crew. Feb. 5, 1952.
- Pat. 2,584,282. Holding Apparatus for Testing Cable. Feb. 5, 1952.
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- Pat. 2,584,692. Apparatus for Stripping Insulation From Wires. Feb. 5, 1952.
- Pat. 2,584,736. Telegraph Switching System. Feb. 5, 1952.
- Pat. 2,584,990. Transistor Counting System. Feb. 12, 1952.
- Pat. 2,585,010. Wire Connecting Tool. Feb. 12, 1952.
- Pat. 2,585,077. Control of Impedance of Semiconductor Amplifier Circuits. Feb. 12, 1952.
- Pat. 2,585,078. Negative Resistance Device Utilizing Semiconductor Amplifier. Feb. 12, 1952.
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- Pat. 2,585,105. Hood for Conveyers. Feb. 12, 1952.
- Pat. 2,585,204. Shut-Off Mechanism for an Injection Nozzle. Feb. 12, 1952.
- Pat. 2,585,282. Electronic Multiplex to Start-Stop Extensor. Feb. 12, 1952.
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- Pat. 2,585,562. Directive Antenna System. Feb. 12, 1952.
- Pat. 2,585,563. Wave Filter. Feb. 12, 1952.
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- Pat. 2,585,722. Frequency Divider. Feb. 12, 1952.
- Pat. 2,585,772. Method and Circuit for Pulsation Welding. Feb. 12, 1952.
- Pat. 2,585,841. Bridged T Phase Shifter. Feb. 12, 1952.
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- Pat. 2,585,890. Delay-Action Filter Circuit. Feb. 12, 1952.
- Pat. 2,585,904. Cross Bar Telephone System. Feb. 19, 1952.
- Pat. 2,585,994. Method of Controlling Coiling Machines. Feb. 19, 1952.
- Pat. 2,585,999. Strand Handling Apparatus. Feb. 19, 1952.
- Pat. 2,586,080. Semiconductive Signal Translating Device. Feb. 19, 1952.
- Pat. 2,586,125. Apparatus for Testing the Continuity of Fuses. Feb. 19, 1952.
- Pat. 2,586,534. Private Branch Exchange Trunk Circuit. Feb. 19, 1952.
- Pat. 2,586,540. Torsion Meter. Feb. 19, 1952.
- Pat. 2,586,597. Oscillation Generator. Feb. 19, 1952.
- Pat. 2,586,634. Pulp Insulating Machine. Feb. 19, 1952.
- Pat. 2,586,651. Material Ejecting and Feeding Apparatus. Feb. 19, 1952.
- Pat. 2,586,669. Fixed Message Insertor. Feb. 19, 1952.
- Pat. 2,586,711. Scanning System and Apparatus. Feb. 19, 1952.
- Pat. 2,586,821. Selective Signaling System Using Rectifiers Back to Back. Feb. 26, 1952.
- Pat. 2,586,901. Two-Way Trunk Circuit Arranged for Dial-Back Operations. Feb. 26, 1952.
- Pat. 2,586,960. Material Feed Signal System. Feb. 26, 1952.
- Pat. 2,586,999. Contact Sequence Test Set. Feb. 26, 1952.

- Pat. 2,587,014. Charge and Tax Determining Equipment for Telephone Systems. Feb. 26, 1952.
- Pat. 2,587,036. Process and Apparatus for Semi-Continuous Plating. Feb. 26, 1952.
- Pat. 2,587,043. Preparation of 1,2-Di-Primary Amines. Feb. 26, 1952.
- Pat. 2,587,055. Electrical Cavity Resonator for Microwaves. Feb. 26, 1952.
- Pat. 2,587,284. Material Ejecting and Feeding Apparatus. Feb. 26, 1952.
- Pat. 2,587,322. Method of and Apparatus for Controlled Heating of Enclosures. Feb. 26, 1952.
- Pat. 2,587,458. Contact Spring. Feb. 26, 1952.
- Pat. 2,587,482. Piezoelectric Type Switching Relay. Feb. 26, 1952.
- Pat. 2,587,483. Telegraphically Controlled Timing Mechanism. Feb. 26, 1952.
- Pat. 2,587,635. Spaced-Pulse Impulse Sender. Mar. 4, 1952.
- Pat. 2,587,817. Telephone System. Mar. 4, 1952.
- Pat. 2,588,052. Control Circuit for Telephone Systems. Mar. 4, 1952.
- Pat. 2,588,103. Wave Guide Coupling Between Coaxial Lines. Mar. 4, 1952.
- Pat. 2,588,139. Flyer Mechanism for Toroidal Coil Winding Machines. Mar. 4, 1952.
- Pat. 2,588,226. Wave Filter. Mar. 4, 1952.
- Pat. 2,588,240. Pulsing Circuit. Mar. 4, 1952.
- Pat. 2,588,249. Wave Polarization Shifter Systems. Mar. 4, 1952.
- Pat. 2,588,315. Heating Apparatus. Mar. 4, 1952.
- Pat. 2,588,375. Automatic Accounting Device. Mar. 11, 1952.
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- Pat. 2,588,525. Method of and Apparatus for Guiding Filaments. Mar. 11, 1952.
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- Pat. 2,589,071. Battery Holder. Mar. 11, 1952.
- Pat. 2,589,130. Permutation Code Group Selector. Mar. 11, 1952.
- Pat. 2,589,131. Combined Telephone and Telegraph System. Mar. 11, 1952.
- Pat. 2,589,132. Automatic Shift Control for Printing Telegraph Apparatus. Mar. 11, 1952.
- Pat. 2,589,135. Submarine Signaling Device. Mar. 11, 1952.
- Pat. 2,589,143. Method and Apparatus for Removing Heat Fusible Material From Cans. Mar. 11, 1952.
- Pat. 2,589,158. Mobile-Radio and Wire System. Mar. 11, 1952.
- Pat. 2,589,169. Method of Insulating Conductors. Mar. 11, 1952.
- Pat. 2,589,184. Electronic Impedance Equalizer. Mar. 11, 1952.
- Pat. 2,589,658. Semiconductor Amplifier and Electrode Structures Therefor. Mar. 18, 1952.
- Pat. 2,589,662. Radio Telephone Receiving System. Mar. 18, 1952.
- Pat. 2,589,700. Electric Cable Sheathing. Mar. 18, 1952.
- Pat. 2,589,704. Semiconductor Signal Translating Device. Mar. 18, 1952.
- Pat. 2,589,711. Off-Channel Squelch Circuit for Radio Receivers. Mar. 18, 1952.
- Pat. 2,589,713. Apparatus for Continuously Making Vulcanized Articles. Mar. 18, 1952.
- Pat. 2,589,739. Electrical Oscillator Having Open-Ended Coaxial Resonator. Mar. 18, 1952.
- Pat. 2,589,741. Elements per Unit Length Counter Mechanism. Mar. 18, 1952.
- Pat. 2,589,758. Method and Apparatus for Making Electrical Measurements. Mar. 18, 1952.
- Pat. 2,589,800. Telephone Signaling System. Mar. 18, 1952.
- Pat. 2,589,806. Selective Signaling System. Mar. 18, 1952.
- Pat. 2,590,228. Method of Adjusting Polar Relays. Mar. 25, 1952.
- Pat. 2,590,234. Automatic Selection of Receiving Channels. Mar. 25, 1952.
- Pat. 2,590,246. Apparatus for Winding Strands on Articles. Mar. 25, 1952.
- Pat. 2,590,248. Voltage Sensitive Circuit. Mar. 25, 1952.
- Pat. 2,590,262. Trunk Frame Designation Transfer. Mar. 25, 1952.
- Pat. 2,590,263. Electrical Control Apparatus. Mar. 25, 1952.
- Pat. 2,590,500. Telephone Ringer. Mar. 25, 1952.
- Pat. 2,590,514. Pulsing Circuit. Mar. 25, 1952.
- Pat. 2,590,584. Sea-Water Battery. Mar. 25, 1952.
- Pat. 2,590,625. Sorting Device. Mar. 25, 1952.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 6, 1953

[VOL. 666. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1906, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 481,039. Armor Laboratories, Inc., Glendale, Calif. Filed Mar. 19, 1945.



For Waterproof Paint Coating for Porous Stucco, Concrete, and Brick Wall Surfaces, in the Form of a Water Mixture Powder.
Claims use since November 1932.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 18 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 628,871. Howard W. Quaintance, doing business as Quaint Acres, Silver Spring, Md. Filed Apr. 29, 1952.



For Landscape Horticulture, Particularly Flowers, Shrubs, and Saplings.
Claims use since Apr. 11, 1951.

CLASS 2

RECEPTACLES

Ser. No. 621,165. Perry Plastics, Inc., Erie, Pa. Filed Nov. 13, 1951.



Ser. No. 630,597. Graton & Knight Company, Worcester, Mass. Filed June 2, 1952.

"GRAKON"

Applicant claims ownership of Registration No. 114,740.
For All-Leather Flexible Sheet.
Claims use since Apr. 4, 1952.

For Plastic Dishes for Food.
Claims use since Jan. 15, 1950.

Ser. No. 621,844. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California. Filed Nov. 26, 1951.

ANNIE OAKLEY

The words "Annie Oakley" were the pseudonym of the famous woman sharp-shooter, Phoebe Moze, now deceased.

For Lunch Pails Made of Sheet Metal.
Claims use since Oct. 12, 1951.

Ser. No. 623,165. Stone Container Corporation, Chicago, Ill. Filed Jan. 3, 1952.



Applicant disclaims the pictorial representation of the container apart from the mark as shown. Applicant claims ownership of Registration No. 97,564.

For Corrugated Cartons.

Claims use since on or about Sept. 1, 1950, as to the mark shown; and since on or about Dec. 21, 1933, as to the word portion of the mark including the pictorial representation of the stone wall.

Ser. No. 623,166. Stone Container Corporation, Chicago, Ill. Filed Jan. 3, 1952.



Applicant disclaims the pictorial representation of the container apart from the mark as shown. Applicant claims ownership of Registration No. 97,564.

For Corrugated Cartons.

Claims use since on or about Sept. 1, 1950, as to the mark shown; and since on or about Dec. 21, 1933, as to the word portion of the mark.

Ser. No. 626,012. United Wallpaper, Inc., Chicago, Ill. Filed Mar. 5, 1952.

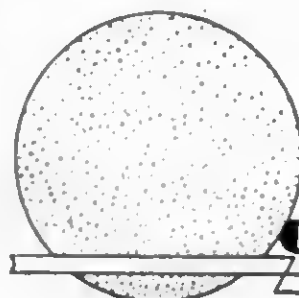
SANILINE

For Waterproof Paper Cartons and Cups.
Claims use since Dec. 13, 1951.

CLASS 5

ADHESIVES

Ser. No. 621,305. C. O. Dicks Co., Detroit, Mich. Filed Nov. 21, 1951. (Sec. 2f.)



C. O. DICKS CO

The word "Co." is disclaimed. The drawing is stippled to indicate shading.

For Liquid Rubber Base Adhesive Cement for Use With Paper Stencils.

Claims use since Jan. 1, 1942.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 614,164. Research Products Company, Fargo, N. Dak. Filed May 21, 1951.

NuKarodor

For Neutralizer for Unpleasant Interior Car Odors.
Claims use since Oct. 23, 1950.

Ser. No. 614,556. King Organic Chemicals, Incorporated, Norwalk, Conn. Filed May 31, 1951.

NA-SUL

For Alkylated Naphthalene Sulfonates.
Claims use since Apr. 20, 1951.

Ser. No. 619,915. American Welding Alloys Corp., Brooklyn, N. Y. Filed Oct. 12, 1951.

AMWEL

For Welding and Brazing Fluxes.
Claims use since Sept. 15, 1951.

Ser. No. 619,928. Dupli-Color Products Co., Inc., Chicago, Ill. Filed Oct. 12, 1951.

Spra-Pel

No registration rights are claimed for the word "Spra" apart from the mark shown in the drawing.

For Propellants Adapted to Spray Guns for Spraying Liquids, Including Paints, Lacquers, Enamels, Stains, Varnishes, Insecticides, Chemicals, and the Like.

Claims use since Aug. 7, 1951.

Ser. No. 621,441. The Baker Caator Oil Company, Jersey City, N. J. Filed Nov. 20, 1951.

PY-

For Esters of Soybean Oil Fatty Acids, Useful as Plasticizers for Resins and Rubbers, in Lubricants for Textiles, Metals, and for Other Uses.

Claims use since 1935.

Ser. No. 622,712. Farbwerke Hoechst, vormals Meister Lucius & Brünning, Frankfurt-on-the-Main-Hochst, Germany. Filed Dec. 20, 1951.

Remastral

Applicant claims ownership of German Registration No. 609,001, dated July 12, 1951.

For Coal-Tar Dyestuffs.

Ser. No. 625,708. Società Elettrica ed Elettrotecnica del Caffaro, Milan, Italy. Filed Feb. 29, 1952.

SICLOR

Applicant claims ownership of Italian Registration No. 38,078, dated Nov. 22, 1929, renewed.
For Chloride of Lime.

Ser. No. 629,166. Inventa A. G., Lucerne, Switzerland. Filed May 3, 1952.

GRILON

Applicant claims ownership of Swiss Registration No. 139,848, dated Sept. 18, 1951.

For Polymers on the Base of Lactam.
Claims use since October 1951.

Ser. No. 631,271. Cliff Co., Chicago, Ill. Filed June 17, 1952.

CLIFCO

For Industrial Chemicals—Namely, Water Soluble Coolants.

Claims use since July 6, 1946.

Ser. No. 631,830. Velacoi Corporation, Chicago, Ill. Filed June 20, 1952.



Applicant claims ownership of Registrations Nos. 425,674, 425,676, and 435,038.

For Insecticides and Fungicides Generally, and Specifically for Those Generically Known as Chlordane, Heptachlor, Dieldrin, and Aldrin, and Compositions Containing Chlordane, Heptachlor, Dieldrin, or Aldrin.

Claims use since June 20, 1952.

Ser. No. 631,909. Thomas A. Patterson, doing business as T. A. Patterson Laboratories, Cleveland, Ohio. Filed June 4, 1952.

SUPERCHLOR

Applicant claims ownership of Registration No. 280,114. For Liquid Bleach, Intended for Sale to the Laundry Trade.

Claims use since Oct. 18, 1926.

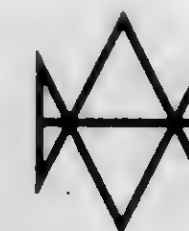
Ser. No. 632,102. Rohm & Haas Company, Philadelphia, Pa. Filed July 2, 1952.

ACRYSOL

Applicant claims ownership of Registration No. 323,850. For Synthetic Resin Solution for Use in the Industrial Arts.

Claims use since Apr. 5, 1944.

Ser. No. 635,829. Hanson-Van Winkle-Munning Company, Matawan, N. J. Filed Sept. 26, 1952.



Applicant claims ownership of Registration No. 258,325.

For Electroplating Bath Ingredients, Ammonium Chloride, Ammonium Nitrate, Ammonium Sulfate, Boric Acid, Cadmium Oxide, Chromic Acid, Cobalt Sulfate, Copper Carbonate, Copper Cyanide, Copper Sulfate, Epson Salts, Formaldehyde, Formic Acid, Glauber's Salts, Nickel Acetate, Nickel Ammonia Sulfate, Nickel Carbonate, Nickel Chloride, Nickel Formate, Nickel Sulfate, Potassium Carbonate, Potassium Hydroxide, Potassium Cyanide, Potassium Sulphurette, Rochelle Salt, Silver Chloride, Silver Cyanide, Sodium Acetate, Sodium Carbonate, Sodium Chloride, Sodium Cyanide, Sodium Formate, Sodium Hydroxide, Sodium Hyposulphite, Sodium Perborate, Sodium Stannate, Sodium Sulfate, Stannous Chloride, Triiodine Phosphate, Zinc Cyanide, Zinc Oxide, and Zinc Sulfate.

Claims use since on or about Dec. 15, 1927.

CLASS 7

CORDAGE

Ser. No. 632,285. Berwick Textile Products Company, Incorporated, Berwick, Pa. Filed July 9, 1952. (Sec. 2f.)



For Packaged Rayon Acetate Ribbons Used for Gift Wrapping.

Claims use since Mar. 24, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 568,613. Girard Paint & Varnish Mfg. Co., Philadelphia, Pa. Filed Nov. 12, 1948.

U-DO-IT

For Furnace Cement, Putty, Patching Plaster, Patching Cement, Caulking Compound, Asphaltic Roof Surfacing Materials, and Roof Cements.

Claims use since Jan. 10, 1948.

Ser. No. 625,348. Globe Roofing Products Co., Inc., Whit- ing, Ind. Filed Feb. 21, 1952.

ALUMIKOOL

The word "Kool" is disclaimed apart from the mark as shown.

For Aluminum Surfaced Roll Roofing, Aluminum Surfaced Asphalt Shingles, Aluminum Surfaced Sidings, Aluminum Surfaced Insulating Board, Aluminum Vapor Barrier Roll Roofing, Aluminum Granular Roll Roofing, Aluminum Granular Sidings, and Aluminum Granular Shingles.

Claims use since Feb. 1, 1952.

Ser. No. 626,449. Douglas Fir Plywood Association, Tacoma, Wash. Filed Mar. 14, 1952. COLLECTIVE MARK.

EXT-DFPA

Applicant claims ownership of Registration No. 368,337. For Plywood.

Claims use since Oct. 10, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 572,832. Calgon, Incorporated, Pittsburgh, Pa. Filed Jan. 26, 1949.

MICROMET

Applicant claims ownership of Registration No. 365,087. For Containers for Containing Chemicals and To Be Connected to a Water Line for Mixing the Chemicals With the Water for Treating the Same.

Claims use since Sept. 20, 1945.

Ser. No. 624,304. S. S. Sarna, Inc., New York, N. Y. Filed Jan. 30, 1952.

BELL TREE

The word "Bell" is hereby disclaimed apart from other features of the mark shown in the drawing.

For Flexibly Connected Collection of Ornamental Bells and a Hanger-Supported Flexible Connection Having Bell-Supporting Hooks.

Claims use since June 1950.

Ser. No. 625,476. Irrigation Equipment Co., Inc., Eugene, Oreg. Filed Feb. 25, 1952.



For Movable Field Irrigation Systems Comprising Pipes, Metal Couplers, Valves, Pipe Fittings, and Nozzles, Said Systems Being Sold as Units and Comprising Two Types, One Which May Be Laid Directly on the Ground and One Including as a Portion of the Unit Wheels for Supporting the Pipes and Imparting Mobility to the System, and Metal Pipe Couplers, Valves, and Fittings Forming Parts of Such Systems.

Claims use since Jan. 15, 1950.

Ser. No. 628,701. Halkey-Roberts Corporation, Paramus, N. J. Filed Apr. 26, 1952. (Sec. 2f.)

ROBERTS

For Air Valves.

Claims use since on or about Aug. 14, 1946.

Ser. No. 633,132. Wm. R. Whittaker Co., Ltd., Los Angeles, Calif. Filed July 26, 1952. (Sec. 2f.)

Shear-Seal

Applicant claims ownership of Registration No. 533,504. For Control Valves To Regulate the Flow of Gases, Liquids, or Fluids, and Integral Parts of Valves Afore-described.

Claims use since Sept. 1, 1944.

Ser. No. 633,653. Carlon Products Corporation, Cleveland, Ohio. Filed Aug. 9, 1952.



The drawing is lined to show a maroon color. Applicant claims ownership of Registration No. 559,532.

For Conduits Made of Polymeric Material, Such as Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene and Co-Polymers Thereof.

Claims use since Jan. 28, 1952.

Ser. No. 633,654. Carlon Products Corporation, Cleveland, Ohio. Filed Aug. 9, 1952.



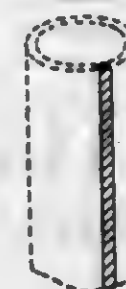
The mark consists of a relatively narrow orange stripe disposed longitudinally on the exterior surface of the

goods. The drawing is lined to show an orange color. Applicant claims ownership of Registration No. 559,532.

For Conduits Made of Polymeric Material Such as Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene and Co-Polymers Thereof.

Claims use since Jan. 28, 1952.

Ser. No. 633,655. Carlon Products Corporation, Cleveland, Ohio. Filed Aug. 9, 1952.

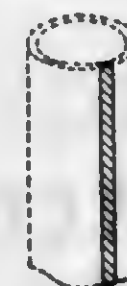


The mark consists of a relatively narrow brown stripe disposed longitudinally on the exterior surface of the goods. The drawing is lined to show a brown color. Applicant claims ownership of Registration No. 559,532.

For Conduits Made of Polymeric Material Such as Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene and Co-Polymers Thereof.

Claims use since Jan. 28, 1952.

Ser. No. 633,656. Carlon Products Corporation, Cleveland, Ohio. Filed Aug. 9, 1952.



The drawing is lined to show a green color. The mark consists of a narrow green stripe disposed longitudinally on the exterior surface of the goods named. Applicant claims ownership of Registration No. 559,532.

For Conduits Made of Polymeric Material Such as Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene and Co-Polymers Thereof.

Claims use since Jan. 28, 1952.

Ser. No. 633,658. Carlon Products Corporation, Cleveland, Ohio. Filed Aug. 9, 1952.



The drawing is lined for violet. Applicant claims ownership of Registration No. 559,532.

For Conduits Made of Polymeric Material Such as Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene and Co-Polymers Thereof.

Claims use since Jan. 28, 1952.

Ser. No. 633,659. Carlon Products Corporation, Cleveland, Ohio. Filed Aug. 9, 1952.



The mark consists of a relatively narrow buff stripe disposed longitudinally on the exterior surface of the goods. The drawing is lined to show a buff color. Applicant claims ownership of Registration No. 559,532.

For Conduits Made of Polymeric Material, Such as Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene and Co-Polymers Thereof.

Claims use since Jan. 28, 1952.

CLASS 15

OILS AND GREASES

Ser. No. 632,667. The Farm Bureau Cooperative Association, Inc., Columbus, Ohio. Filed July 17, 1952.



The drawing is lined for the colors red and blue. The words "Quality Products" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 287,933.

For Gasoline and Fuel Oil.

Claims use since June 1, 1933.

Ser. No. 633,003. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL
AGRAKUP

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.

For Lubricating Grease.

Claims use since Mar. 15, 1948.

Ser. No. 633,004. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL
AGRATUM

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.

For Lubricating Grease.

Claims use since Jan. 8, 1948.

Ser. No. 633,006. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ALITHO

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 12, 1948.

Ser. No. 633,007. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ALUSTRO

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Mar. 25, 1948.

Ser. No. 633,008. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ALUXOR

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 27, 1948.

Ser. No. 633,009. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANACLAC

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 14, 1948.

Ser. No. 633,011. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANISCEL

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Jan. 9, 1948.

Ser. No. 633,012. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL AMORTAC

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 31, 1948.

Ser. No. 633,014. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANDARIN

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Jan. 6, 1948.

Ser. No. 633,015. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANDRILL

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 7, 1948.

Ser. No. 633,016. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANEGROL

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 6, 1948.

Ser. No. 633,017. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANEPRO

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 12, 1948.

Ser. No. 633,018. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANTRAC

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Feb. 26, 1948.

Ser. No. 633,019. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ANZAC

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Jan. 8, 1948.

Ser. No. 633,020. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL APRESLUBE

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 6, 1948.

Ser. No. 633,021. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ARNITAGE

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 6, 1948.

Ser. No. 633,022. Tide Water Associated Oil Company, New York, N. Y. Filed July 24, 1952.

TYCOL ATWORTH

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Grease.
Claims use since Jan. 12, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 620,891. Larus & Brother Company, Richmond, Va. Filed Nov. 5, 1951.



Applicant claims ownership of Registrations Nos. 291,063 and 291,854.

For Smoking Tobacco.
Claims use since Oct. 27, 1937, as shown; and since Oct. 3, 1931, as to the words "HI-Plane" in conjunction with a representation of an airplane, in a different display.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 589,517. Manhattan Drug Company, Brooklyn, N. Y. Filed Dec. 17, 1949.

THRIOCAIN

For Tyrothricin-Benzocaine Lozenges for the Relief of Throat Irritations.
Claims use since Sept. 2, 1949.

Pektamol

For Pharmaceutical Preparation in Tablet Form for the Treatment of Stomach and Intestinal Disturbances.
Claims use since Sept. 7, 1949.

Ser. No. 611,454. Robapharm Laboratoria Ltd., Basel, Switzerland. Filed Mar. 16, 1951.

Recosen

For Preparation for the Treatment of Heart Diseases.
Claims use since Feb. 28, 1950; and since July 1950 in commerce between the United States and Switzerland.

Ser. No. 611,592. Aktiebolaget Recip, Stockholm, Sweden. Filed Mar. 21, 1951.

LERGIGAN

Applicant claims ownership of Swedish Registration No. 63,097, dated June 13, 1947.

For Medicinal Preparations for the Treatment of Allergies, Colds, Catarrh, and Similar Affections.

Ser. No. 620,404. Diva Laboratoria Limited, Victoria, British Columbia, Canada. Filed Oct. 24, 1951.

LIPIKON

For Ointments for External Use, Capsules for Internal Use, and Liquids for Internal Use, All in the Treatment of Human Skin Diseases.

Claims use since June 9, 1951; and since June 9, 1951, in commerce between Canada and the United States.

Ser. No. 622,072. James K. Fancher, Atlanta, Ga. Filed Dec. 4, 1951.

B-M-R

For Medicinal Preparation, in Tablet Form, Furnishing Vitamins and Minerals for Use as a Dietary Food Supplement.

Claims use since July 1, 1951.

Ser. No. 623,599. Charles C. Haskell & Co., Inc., Richmond, Va. Filed Jan. 15, 1952.

SILMIDATE

For Anti-Arthralgia Preparation in Tablet Form Containing the Following Ingredients: Salicylamide, Calcium Succinate, and Ascorbic Acid.

Claims use since Nov. 13, 1951.

Ser. No. 623,928. The Upjohn Company, Kalamazoo, Mich. Filed Jan. 22, 1952.

Pamine

For Medicinal Preparation for Use as an Antispasmodic.
Claims use since Oct. 11, 1951.

Ser. No. 624,490. Winfred C. Kelley, doing business as C-K Formula Company, Dayton, Ohio. Filed Feb. 4, 1952.

Ser. No. 631,177. The Purdue Frederick Company, New York, N. Y. Filed June 13, 1952.

HALTZ

For Pharmaceutical Preparation for Topical Application, Specifically for Relief of Mosquito and Chigger Bites. Claims use since Jan. 20, 1952.

Ser. No. 624,951. Jackson-Mitchell Pharmaceuticals, Inc., Los Angeles, Calif. Filed Feb. 14, 1952.

Soldemul

For Medicinal Preparation in the Treatment of Steatorrhea. Claims use since Aug. 30, 1951.

Ser. No. 626,580. La Pryor Milling Co., La Pryor, Tex. Filed Mar. 17, 1952.



The representation of the goods and the bag containing the same is disclaimed apart from the mark as shown. The lining on the drawing is for shading purposes only. For Protein and Mineral Supplement for Livestock and Poultry Feeds. Claims use since July 1951.

Ser. No. 627,107. American Dietals Company, Inc., Yonkers, N. Y. Filed Mar. 27, 1952.

Protectomine

For Vitamin Preparation Containing Minerals and Other Factors. Claims use since June 17, 1949.

Ser. No. 628,527. Fidelity Pharmacal Corp., Newark, N. J. Filed Apr. 23, 1952.



For Castor-Oil Emulsion for Medicinal Use. Claims use since Jan. 2, 1952.

Ser. No. 631,161. Ives-Cameron Company, Inc., New York, N. Y. Filed June 13, 1952.

DONASEDA

For Vitamins, Belladonna, and Phenobarbital Compound in Dosage Form. Claims use since Dec. 14, 1951.



For Medicinal Preparations—Namely, a Vaginal Douche and a Bitter Tonic. Claims use since June 2, 1952.

Ser. No. 632,764. The Wander Company, Chicago, Ill. Filed July 18, 1952.

SUCRAPHEN

For Vasoconstrictor. Claims use since May 20, 1952.

Ser. No. 634,173. Tri-Mal Mfg. Co., Inc., Boston, Mass. Filed Aug. 19, 1952.

REINAL

For Ulcer Therapy Compositions. Claims use since Oct. 10, 1951.

Ser. No. 634,470. Hygiene Service Inc., Cleveland, Ohio. Filed Aug. 26, 1952.



For Foot-Powder. Claims use since June 2, 1952.

Ser. No. 636,822. United Pharmacal Products, Inc., Chicago, Ill. Filed Oct. 17, 1952.

Chlo-RENS

For Chlorophyll Tablets. Claims use since June 16, 1952.

Ser. No. 636,835. Ames Company, Inc., Elkhart, Ind. Filed Oct. 18, 1952.

FECATEST

For Diagnostic Reagent (Composition) for the Detection of Blood in Body Excretions. Claims use since July 9, 1952.

Ser. No. 636,867. Charles D. Williams, doing business as The C. D. Williams Co., Bakersfield, Calif. Filed Oct. 18, 1952.

CEE DEE

For Ointment for Relief of Soreness of Bruises, Cold Sores, Chapped Lips, Superficial Burns and Scalds, Non-

Venomous Insect Bites, Coagulating Blood of Superficial Cuts, Irritation of Skin Rash, Rectal Irritation, Irritated Skin Molds, Plant Allergies, Poison Ivy, Bunions, Stinging of Corns, Calluses and Athlete's Foot. Claims use since Mar. 4, 1952.

Ser. No. 601,420. G. H. Bishop Co., Chicago, Ill. Filed July 29, 1950.

MOTO-RACK

Applicant disclaims the word "Rack" separate and apart from the mark shown.

For Garment Trucks in the Nature of a Hand-Propelled, Wheeled Rack Designed To Carry Bagged Garments. Claims use since November 1949.

Ser. No. 637,072. Nepera Chemical Co., Inc., Nepera Park, N. Y. Filed Oct. 23, 1952.

CHOLEDYL

For Diuretic, Broncho-Dilator, and Coronary Dilator. Claims use since Oct. 17, 1952.

Ser. No. 637,395. Pearson Pharmacal Company, Inc., New York, N. Y. Filed Oct. 30, 1952.

F.Y.D.O.

For Pellet for Ingestion by Animals, Made Chiefly From Chlorophyll (Chlorophyllin), Having the Chemical Property of Acting Systemically in the Bodies of Animals To Eliminate All Odors. Claims use since Aug. 27, 1952.

Ser. No. 637,396. Pearson Pharmacal Company, Inc., New York, N. Y. Filed Oct. 30, 1952.

RETSMATANE

For Ingestible Tablet Which, When Taken Internally by Human Beings, Has the Chemical Property of Acting Systemically To Control Fertility Factors. Claims use since Aug. 27, 1952.

CLASS 19 VEHICLES

Ser. No. 593,802. Edgar Lee Elder, doing business as Elder Trailer and Body Service, Denver, Colo. Filed Mar. 13, 1950.

PORTA-CAMP

For Portable Trailers—Namely, Sleeping Trailers, Dining Trailers, Kitchen Trailers, Shower Trailers, Office Trailers, Water Tank Trailers, Light Plant Trailers, Gasoline Trailers, and Supply Trailers. Claims use since July 1949.

Ser. No. 600,120. Compeo Corporation, Chicago, Ill. Filed July 1, 1950.

VentMasters

No claim is made to the word "Vent" apart from the mark as shown.

For Automobile Air Deflectors. Claims use since July 1, 1950.

Ser. No. 601,400. Universal Dampers Limited, Shirley, Birmingham, England. Filed July 25, 1950.

ROTOFLO

Applicant claims ownership of English Registration No. 667,339, dated Feb. 28, 1948.

For Shock Absorbers and Vibration Dampers for Vehicles.

Ser. No. 630,372. American Locomotive Company, New York and Schenectady, N. Y. Filed May 28, 1952.



For Wheel Trucks for Locomotives and Coupler Covers for Train Couplings. Claims use since May 14, 1952.

Ser. No. 630,504. American Bosch Corporation, Springfield, Mass. Filed June 2, 1952. (Sec. 21.)

BOSCH

Applicant claims ownership of Registrations Nos. 284,429, 293,203, and others. For Windshield Wipers. Claims use since Nov. 14, 1923.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 622,039. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 3, 1951.

PLASTI-WEAR

Applicant disclaims the word "Wear" apart from the mark as shown.

For Hard Surface Floor Covering of the Flexible Felt-Base Type. Claims use since September 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 362,106. Vari Corporation, Minneapolis, Minn. Filed July 23, 1948.

VARI-HOT

For Electrically Heated Soldering Irons and Tips, Including Tips for Exploding Explosive Rivets, and Electrically Heated Tips Adapted for Use in Such Soldering Irons To Electrically Heat the Detector Elements of Fire Warning Systems for Testing Purposes, and Electrically Heated Tips for Conventional Submersion Heaters. Claims use since Aug. 20, 1947.

Ser. No. 571,098. Alden Products Company, Brockton, Mass. Filed Jan. 6, 1949.

SAVE-UR-LIFE

Applicant claims ownership of Registration No. 362,536. For Unitary Electric Road Warning and Work Extension Lights.

Claims use since Sept. 1, 1948.

Ser. No. 581,786. Metropolitan-Vickers Electrical Company Limited, London, England. Filed Feb. 1, 1950.



Applicant claims ownership of British Registrations Nos. 435,645, 435,646, 435,648, and 435,651, all dated Mar. 27, 1923.

For Machinery and Apparatus for Use in the Generation of Electricity—Namely, Steam and Gas Turbo Generators, Water Wheel Alternators, Motor Driven Generators and Engine Type Generators; Machinery Operated by Electricity—Namely, Electric Motors and Electric Converters; Electric Locomotives; Electric Motor Driven Gears and Pinions for Propelling Electric Locomotives; Controllers for the Starting, Stopping, and Reversing of Electric Motors of Traction Vehicles; Magnetic Brakes; Visual Electric Signals for Indicating Disengagement of Current Collectors From Conductors in Electric Traction Systems; Electric Circuit Breakers; Contactors; Resistances; Radio Interference Suppression Coils; Electric Traffic Signals for Railways—Namely, Route Indicators, and Junction Direction Indicators; Illuminated Diagrams and Control Panels for Controlling Railway Signals and Switches in the Areas of Railway Stations or Yards, and Parts Thereof Including Locking Frames and Switch Contactor Units; Impedance Bonds for Electric Track Circuiting; Automatic Electric Motor Operated Train Stops; Electric Starters for Motor Engines; Electric Regulators; Electric Winches; Electric Welding Machines; Electric Ovens; High Voltage Transformers; Electric Controllers and Switches for Starting, Stopping and Reversing Electric Motors and Generators, and Relays, Resistances, Contacts and Rheostats Used in Conjunction Therewith; Electrical Switch Gear; Electrical Switchboards; Electric Relays; Portable Electricity Generating Sets; Electric Lamps; Electric Contacts and Cut-Outs; Electric Lighting Fixtures, Fluorescent Lamps and Chokes, Reflectors, and Lamp Holders Used for Domestic, Industrial, Marine and Traction Lighting Purposes; Instruments and Apparatus for Use in Connection With the Transmission and Reception of Radio Signals—Namely, Audio Amplifiers, and Radio and Television Transmitting and Receiving Tubes; Cathode Ray Tubes; Radar Apparatus and Parts Thereof—Namely, Transmitting and Receiving Aerials and Reflectors Used in Conjunction Therewith; Electric Heaters and Furnaces; Radio Frequency Heating Furnaces for Treating Bakelized Mixtures; Infra Red Lamps, Including Reflectors and Holders, Incorporated With Ovens for the Quick Drying of Painted Articles; and Electronic Apparatus Used To Control the Speed of Electric Motors—Namely, Photo-Electric Relays, Thyratrons, and Rectifiers.

Ser. No. 591,701. Metropolitan-Vickers Electrical Company Limited, London, England. Filed Feb. 1, 1950.

METROVICK

Applicant claims ownership of British Registrations Nos. 396,424, 396,425, and 396,426, all registered Oct. 23, 1919, and 461,998 dated Mar. 17, 1920.

For Machinery and Apparatus for Use in the Generation of Electricity—Namely, Steam and Gas Turbo Generators, Water Wheel Alternators, Motor Driven Generators and Engine Type Generators; Machinery Operated by Electricity—Namely, Electric Motors and Electric Converters; Electric Locomotives; Electric Motor Driven Gears and Pinions for Propelling Electric Locomotives; Controllers for the Starting, Stopping, and Reversing of Electric Motors of Traction Vehicles; Magnetic Brakes; Visual Electric Signals for Indicating Disengagement of Current Collectors From Conductors in Electric Traction Systems; Electric Circuit Breakers; Contactors; Resistances; Radio Interference Suppression Coils; Electric Traffic Signals for Railways—Namely, Route Indicators, and Junction Direction Indicators; Illuminated Diagrams and Control Panels for Controlling Railway Signals and Switches in the Areas of Railway Stations or Yards, and Parts Thereof Including Locking Frames and Switch Contactor Units; Impedance Bonds for Electric Track Circuiting; Automatic Electric Motor Operated Train Stops; Electric Starters for Motor Engines; Electric Regulators; Electric Winches; Electric Welding Machines; Electric Ovens; High Voltage Transformers; Electric Controllers and Switches for Starting, Stopping and Reversing Electric Motors and Generators, and Relays, Resistances, Contacts and Rheostats Used in Conjunction Therewith; Electrical Switch Gear; Electrical Switchboards; Electric Relays; Portable Electricity Generating Sets; Electric Lamps; Electric Contacts and Cut-Outs; Electric Lighting Fixtures, Fluorescent Lamps and Chokes, Reflectors, and Lamp Holders Used for Domestic, Industrial, Marine and Traction Lighting Purposes; Instruments and Apparatus for Use in Connection With the Transmission and Reception of Radio Signals—Namely, Audio Amplifiers, and Radio and Television Transmitting and Receiving Tubes; Cathode Ray Tubes; Radar Apparatus and Parts Thereof—Namely, Transmitting and Receiving Aerials and Reflectors Used in Conjunction Therewith; Electric Heaters and Furnaces; Radio Frequency Heating Furnaces for Treating Bakelized Mixtures; Infra Red Lamps, Including Reflectors and Holders, Incorporated With Ovens for the Quick Drying of Painted Articles; and Electronic Apparatus Used To Control the Speed of Electric Motors—Namely, Photo-Electric Relays, Thyratrons, and Rectifiers.

Ser. No. 599,336. National Battery Company, St. Paul, Minn., now by change of name Gould-National Batteries, Inc., a corporation of Delaware. Filed June 17, 1950. (Sec. 2f.)

STEEL GLASS

The word "Glass" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 273,055.

For Battery Jars.

Claims use since May 20, 1929.

Ser. No. 610,140. The Radiart Corporation, Cleveland, Ohio. Filed Feb. 15, 1951. (Sec. 2f.)

"BATRYPOWER"

For A. C. Rectifiers, for Testing and Demonstrating Automobile Radios and the Like.

Claims use since August 1945.

Ser. No. 612,194. Aircraft-Marine Products Inc., Harrisburg, Pa. Filed Apr. 4, 1951.

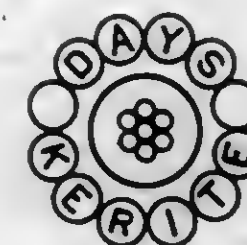
HANDY DUTCHMAN

No claim is made to the word "Handy" per se apart from the other features of the mark.

For Electrical Terminals and Connectors.

Claims use since Jan. 17, 1951.

Ser. No. 613,408. The Kerite Company, Seymour, Conn., and New York, N. Y. Filed May 2, 1951.



Applicant claims ownership of Registration No. 174,600. For Electrical Insulating Materials—Namely, Friction Tape and Splicing Compound Tape.

Claims use since 1902.

Ser. No. 613,461. The Kerite Company, Seymour, Conn., and New York, N. Y. Filed May 3, 1951.

KERITE

Applicant claims ownership of Registration No. 172,336. For Electrical Insulating Materials—Namely, Friction Tape, Splicing Compound Tape, and Insulating Putty.

Claims use since 1902.

Ser. No. 615,662. Strayline Products Co., Dobbs Ferry, N. Y. Filed June 25, 1951. (Sec. 2f as to "Strayline.")

STRAYLINE'S SAFETY CANDLE

The words "Safety Candle" are disclaimed apart from the mark as shown but the applicant reserves all common law rights thereof.

For Electric Torch Simulating the Appearance of a Burning Candle Operated by a Flashlight and Flashlight Batteries.

Claims use since Dec. 1, 1948, on the mark as shown; and since 1945 on the word "Strayline."

Ser. No. 619,004. The Louis Allis Company, Milwaukee, Wis. Filed Sept. 20, 1951.

LOUIS ALLIS

Applicant claims ownership of Registrations Nos. 180,349, 183,260, and 191,628.

For Electric Motors, Generators, Alternators, Electric Adjustable Speed Drives, Electric Gear Motors, and Frequency Changers.

Claims use since Sept. 1, 1922.

Ser. No. 619,255. Natale Machine and Tool Company, Carlstadt, N. J. Filed Sept. 26, 1951.



For Electric Spot and Flood Lights.

Claims use since on or about Oct. 19, 1950.

Ser. No. 621,557. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Nov. 23, 1951.



Applicant claims ownership of Registration No. 149,117. For Electrically-Driven Hand Held Tools—Namely, Drills, Screw Drivers, Nut Runners, Wrenches, Grinders, Buffers, Wire Brushes, Angle Grinders, Sanders, Polishers, and Holsts.

Claims use since November 1945.

Ser. No. 622,911. Telrex, Inc., Asbury Park, N. J. Filed Dec. 27, 1951.



For Television Antennae.

Claims use since Nov. 15, 1951.

Ser. No. 625,897. D. B. Flower Mfg. Co., Philadelphia, Pa. Filed Mar. 4, 1952. (Sec. 2f.)



The exclusive right to the words "Philadelphia Since 1909" apart from the mark as shown is disclaimed.

For Electric Brush Holders.

Claims use since 1909.

Ser. No. 626,041. Mycalex Corporation of America, Clifton, N. J. Filed Mar. 6, 1952.



Applicant claims ownership of Registration No. 339,779. For Solid Molded Electrical Insulating Material in the Form of Sheets, Rods, and Components of Electrical Insulators.

Claims use since Aug. 6, 1921.

Ser. No. 626,042. Mycalex Corporation of America, Clifton, N. J. Filed Mar. 6, 1952.



The words "Since 1919" and "The Insulator" are disclaimed apart from the mark.

For Solid Molded Electrical Insulating Material in the Form of Sheets, Rods, and Components of Electrical Insulators.

Claims use since Aug. 6, 1921.

Ser. No. 627,372. Arrair Company, Bremerton, Wash.
Filed Apr. 1, 1952.

Arcair

For Electric Arc Gouging and Cutting Torches and
Parts and Electrodes for Such Torches.
Claims use since May 31, 1950.

Ser. No. 631,241. Laher Spring and Tire Corporation,
Oakland, Calif. Filed June 16, 1952.

MUSTANG

For Automobile Storage Batteries.
Claims use since May 26, 1952.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 621,487. Union Wadding Company, Pawtucket,
R. I. Filed Nov. 20, 1951.

**Polly
Puff**

For Doll Kit, Comprising in One Package a Doll, Wad-
ding in a Multiplicity of Pieces, Yarn, and Ribbon for
Forming a Dress for the Doll.
Claims use since June 14, 1951.

Ser. No. 621,688. Sport Products, Inc., Cincinnati, Ohio.
Filed Nov. 26, 1951.

THE CENTURY

For Golf Clubs, Golf Balls, Golf Bags, Tennis Rackets,
Badminton Rackets, and Squash Rackets.
Claims use since 1930.

CLASS 23

**CUTLERY, MACHINERY, AND TOOLS, AND
PARTS THEREOF**

Ser. No. 376,929. Otis Engineering Corporation, Dallas,
Tex. Filed Apr. 11, 1949. (Sec. 2f.)

OTIS

Applicant claims ownership of Registration No. 356,650.
For Oil and Gas Well Tools and Oil and Gas Well Drill-
ing, Producing and Servicing Equipment—Namely, Chokes,
Landing Nipples, Regulators of the Variable Bottom Hole
Choke Type, Separation Tools, Circulating Sleeves, Com-
pletion Tools, Circulating Plugs, Flow Sleeves, Pack-Off

Anchors, Closing Tools, Testing Tools, Running Tools,
Pulling Tools, Stroke Jars, Wire Line Sockets, Wire Line
Stems, Knuckle Joints, Wire Line Stuffing Boxes, Wire
Line Lubricators, Wire Line Cutters, Choke Extractors,
Wire Line Subs, Tubing Swages, Fishing Tools, Coupling
Locators, Two-Zone Pumps, Packers, Pressure Lock
Packers, Sand Ballers of the Pump Type, Paraffin Re-
movers of the Mechanical Type, Perforators, Tubing Cut-
ters, Drilling Heads, Oil Savers, Pressure Operated
Unions, Snubbers, Control Heads, Blow Out Preventers,
Tubing Heads, and Parts Thereof.
Claims use since Jan. 1, 1936.

Ser. No. 579,959. Wilson Manufacturing Company,
Wichita Falls, Tex., and elsewhere. Filed June 3, 1949.
(Sec. 2f.)

WILSON

For Oil Field Tools and Machinery—Namely, Hydraulic
Casing Pulling Machines, Internal Combustion Power
Driven Winches and Hoists, Friction Clutches, Derricks,
Gear Transmissions, Internal Combustion Engine Power
Driven Drilling Rigs, and Utility Units Comprising Air
Compressors and Electric Generators Sold as a Unit, and
Parts Thereof.

Claims use since August 1921.

Ser. No. 601,852. Henry C. Tharpe, Dublin, Ga. Filed
Aug. 7, 1950.



The drawing is lined for green.
For Agricultural Implements, Particularly Plow Sweeps
of the Wing Sweep and Corn Shovel Types.
Claims use since Feb. 6, 1950.

Ser. No. 602,103. National Pressure Cooker Company,
Eau Claire, Wis. Filed Aug. 11, 1950.

AQUAMATIC

For Speed Controls for Outboard Motors—Namely,
Spring Actuated Accelerator Button Located on the Steer-
ing Handle for Controlling the Speed by Opening and
Closing the Carburetor Throttle of an Outboard Motor.
Claims use since May 3, 1950.

Ser. No. 606,847. Ames Supply Company, Chicago, Ill.
Filed Nov. 24, 1950.

FUTURISTIC

For Platens for Typewriters and Office Machines.
Claims use since December 1949.

Ser. No. 611,278. Johnston Water-System Co., Mansfield,
Ohio. Filed Mar. 14, 1951.



No claim is made to the word "Johnston" apart from
the mark as shown.

For Centrifugal Pumps for Handling Water, Oil, or
Liquid Fuels; Self-Priming Centrifugal Pumps; Domestic
Water Handling Units Comprising Deep and Shallow Well
Jet-Centrifugal Pump Combination Units; Deep and Shal-
low Well Platen Pumps; and Automatic Sump Pumps for
Cellar Drainage.

Claims use since Nov. 15, 1950.

Ser. No. 615,242. P and C Hand Forged Tool Co., Port-
land and Milwaukie, Oreg. Filed June 15, 1951.



For Tools—Namely, Punches, Chisels, Pliers, Adjustable
Wrenches, Pipe Wrenches, Carbon Scrapers, Bearing
Scrapers, Lining Up Bars, Screw Extractors, Ignition
Wrenches, Screw Drivers, Grease Pinch Bars, Rim and
Tire Tools, Pry Bars, Tire Awns, Tire Patching Bars,
Star Drills, Caulking Irons, Concrete Gads, Brake Tools,
Wheel Starters, Body and Fender Dollies and Spoons,
Body and Fender Hammers, Body and Fender Files, Rim
Wrenches, Water Pump Wrenches, Pullers, Valve Lifters,
Box Wrenches, Box and Open End Wrenches, Open End
Wrenches, Tappet Wrenches, Flex Wrenches, T Wrenches,
Airplane Wrenches, Carburetor Wrenches, Drain Plug
Wrenches, Socket Wrenches and Attachments, Structural
Wrenches, Harrel Bung Wrenches, Rivet Cutters, and
Yarning Irons.

Claims use since Jan. 16, 1926.

Ser. No. 615,941. New England Bobbin and Shuttle Co.,
Nashua, N. H. Filed June 30, 1951. (Sec. 2f.)

PRECISION

For Bobbins for Use in the Textile Industry.
Claims use since Dec. 9, 1941.

Ser. No. 616,647. The Skillcraft Machine Tool Company,
West Hartford, Conn. Filed July 18, 1951.



The representation of the goods is disclaimed apart from
the mark as shown. In the drawing, the border of the

mark and the letters "W" and "H" are lined to indicate
red. The background is lined to indicate yellow.
For Boring Drills for Enlarging Preformed Holes.
Claims use since June 7, 1951.

Ser. No. 617,284. John A. Fox, doing business as Pathon
Manufacturing Company, Cincinnati, Ohio. Filed Aug.
3, 1951.

Pathon

For Fluid Pressure Operated Cylinders.
Claims use since Feb. 20, 1947.

Ser. No. 621,598. Minnesota Mining and Manufacturing
Company, St. Paul, Minn. Filed Nov. 23, 1951.



The word "Brand" is disclaimed. Applicant claims own-
ership of Registration No. 420,013.

For Equipment for Use in Abrading Rough Edges, Burrs
and the Like From Parts, Most Frequently Metal Parts,
by "Tumbling" Said Parts With Abrasive Chips or Pieces—
Namely, Tumbling Barrels, Tilting Barrels, and Units for
Separating Said Parts From Said Chips, Said Units Com-
prising a Screened Agitator Combined With a Hopper and
a Pan for Reception of Abrasive Chips Which Have Been
Screened From Said Parts.

Claims use since July 1951.

Ser. No. 623,848. Packaging Industries Limited, Inc.,
Montclair, N. J. Filed Jan. 21, 1952.

SENTINEL

For Machines for Forming Heat Sealed Seams Between
Sheets of Flexible Material by Means of the Application
of Heat and Pressure.

Claims use since Nov. 26, 1951.

Ser. No. 631,162. James Manufacturing Company, Inde-
pendence, Kans. Filed June 13, 1952.



For Dishwashing Machines.
Claims use since Apr. 25, 1951.

Ser. No. 631,910. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed June 6, 1952.



Applicant claims ownership of Registration No. 336,778. For Reciprocating Compressors. Claims use since Jan. 17, 1936.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 630,633. Thrifty Lass Products Co., Skokie, Ill. Filed June 2, 1952.

**Thrifty
Lass**

For Ironing Board Covers and Ironing Board Pad and Cover Sets.

Claims use since on or about May 6, 1952.

Ser. No. 632,811. Mercantile Stores Company, Inc., Wilmington, Del. Filed June 16, 1952. (Sec. 2f.)

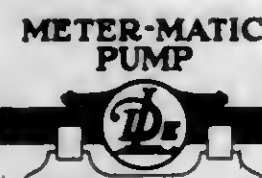
Cromwell

Applicant claims ownership of Registration No. 354,992. For Clothes Washing Machines. Claims use since Nov. 1, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 554,304. The De Laval Separator Company, New York, N. Y. Filed Apr. 10, 1948.



The words "Meter" and "Pump" are disclaimed apart from the mark. The representation of the goods is also disclaimed. Applicant claims ownership of Registration No. 356,899.

For Self-Measuring Proportioning Pumps for Feeding Two Liquids in Predetermined Proportions.

Claims use since July 17, 1947.

Ser. No. 591,788. Metropolitan-Vickers Electrical Company Limited, London, England. Filed Feb. 1, 1950.



Applicant claims ownership of British Registration No. 435,846, dated Mar. 27, 1923.

For Detecting, Measuring, Indicating and Recording Apparatus—Namely, Ammeters, Voltmeters, Wattmeters,

Watt-Hour Meters, Frequency Meters, Power Factor Meters, Synchroscopes, Polarity Indicators, Static Ground Detectors, Static Potential Indicators, House Service Meters, Electric Pyrometers, Spectrometers, Electron Microscopes, Speedometers for Vehicles, Flaw Detectors, and Insulation Testing and Measuring Equipment—Namely, Test Electrodes, Sphere-Gaps, Resistance Equating Bridges, Galvanometers, Volt Meters, and Parts Thereof; Oscilloscopes; Signal Generators, Oscilloscope and Test Meters Having Voltage and Current Measuring Means for Radar Apparatus; Electronic Process Timers, and Parts Thereof, Used in Connection Therewith To Control the Length of Time During Which a Stage of Treatment Is Applied to a Manufacturing Process; High Vacuum Pumps for Research; and Apparatus for Use in the Production of Nuclear Physical Energy—Namely, Betatrons, Cyclotrons, Synchrotrons, and Linear Accelerators.

Ser. No. 591,793. Metropolitan-Vickers Electrical Company Limited, London, England. Filed Feb. 1, 1950. Applicant claims ownership of British Registration No. 396,425, dated Oct. 23, 1919.

METROVICK

For Detecting, Measuring, Indicating and Recording Apparatus—Namely, Ammeters, Voltmeters, Wattmeters, Watt-Hour Meters, Frequency Meters, Power Factor Meters, Synchroscopes, Polarity Indicators, Static Ground Detectors, Static Potential Indicators, House Service Meters, Electric Pyrometers, Spectrometers, Electron Microscopes, Speedometers for Vehicles, Flaw Detectors for Detecting Flaws, Fissures and Cracks in Metals, and Insulation Testing and Measuring Equipment—Namely, Test Electrodes, Sphere-Gaps, Volt Meters, Resistance Equating Bridges, Galvanometers, and Parts Thereof; Oscilloscopes; Signal Generators; Oscilloscope and Test Meters Having Voltage and Current Measuring Means for Radar Apparatus; Electronic Process Timers, and Parts Thereof, Used in Connection Therewith To Control the Length of Time During Which a Stage of Treatment Is Applied in a manufacturing Process; High Vacuum Pumps for Research; and Apparatus for Use in the Production of Nuclear Physical Energy—Namely, Betatrons, Cyclotrons, Synchrotrons, and Linear Accelerators.

Ser. No. 592,548. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed Feb. 16, 1950.



The small inner circle with the crossed lines is disclaimed apart from the mark as shown, so far as it is a representation of any of the goods. Applicant claims ownership of Registrations Nos. 353,142 and 343,510.

For Photographic, Photoengraving and Photomechanical Appliances, Apparatus, Machines, and Supplies—Namely, (Group A) Focusing Scales, Scaling Slide Rules, T-Squares, Ratio Scales, Strip-Film and Sensitized Stripping Paper, (Group B) Strip-Film Ross Camera, Offset Cameras, Depth Gauges for Engraved Plates, Integrating Photoelectric Exposure Meters, Photographer's Magnifiers, Etcher's Magnifiers, Screen Separation Gauges for Halftone Cameras, Controlled Temperature Darkroom Sinks, Water-Jacketed Developing Tanks, Etching Machines, Disappearing Screen Mechanisms (Being Mechanisms for Use With Photomechanical Cameras for Sliding a Halftone Screen Into and Out of the Image Area of the Camera), Stripping Cabi-

nets, Steel Rulers, Camera Shutters and Lens Mountings, and (Group C) Electrical Heating, Lighting, Controlling and Actuating Apparatus Particularly for Use in Photography, Photoengraving, Photo lithography, Photogravure, Halftone Reproduction, and Other Photomechanical Processes—Namely, Plate Driers, Cold Grid Printers, White Light Viewing Cabinets, Darkroom Safe Lights, Light Controlled, and Integrating Timers Adapted To Operate a Camera Shutter; Shutters—Electrically Driven Plate Whirlers, Gas Heated Electrically Driven Plate Whirlers, Infra-Red Burning-In Ovens, Fluorescently Lighted White Light Box for Viewing Transparencies and Negatives, and Electrically Heated Negative Drying Ovens. Claims use since Oct. 15, 1949.

Ser. No. 606,671. National Farm Equipment Co., Inc., New York, N. Y. Filed Nov. 20, 1950.

Ser. No. 621,083. N. V. Nederlandse Machinefabriek "Artillerie Inrichtingen," Hembrug, Zaandam, Netherlands. Filed Nov. 9, 1951.



Applicant claims ownership of Dutch Registration No. 107,521, dated Jan. 11, 1951. For Fuelmeters.

Ser. No. 621,742. Agfa Camera Werk Munchen, Munich, Germany. Filed Nov. 28, 1951.

Agfa

For Photographic Lenses. Claims use since November 1949.

The representation of the outline of the label is disclaimed. The drawing is lined for red and yellow. For Combination Egg Grader and Candler. Claims use since Aug. 1, 1950.

Ser. No. 607,206. Bailey Meter Company, Cleveland, Ohio. Filed Nov. 14, 1950.

MINI-LINE

For Fluid Pressure Control Instrument for Supplying and Indicating Selected Control Pressures, Unit Comprising Automatic-Manual Selector Valve With Indicator for Supplying and Indicating Selected Control Fluid Pressures, Pressure Gages, Fluid Pressure Operated Indicating Instruments, Unit Comprising Fluid Pressure Responsive Valve Combined With Indicators for Measuring the Input and Output Fluid Pressures, Remote Liquid Level Indicators, Pneumatic Telemeters, Assemblies of Fluid Pressure Operated Indicating Instruments, Remote Temperature Meters, and Panels Embodying One or More of the Above-Mentioned Instruments. Claims use since Nov. 7, 1950.

Ser. No. 613,220. Fischer Film Laboratories, Chicago, Ill. Filed Apr. 27, 1951.

SYNC

For Unexposed Motion Picture Film. Claims use since Jan. 10, 1951.

Ser. No. 620,221. Manhattan Novelty Corporation, New York, N. Y. Filed Oct. 19, 1951.



Applicant makes no claim to the word "Binoculars" apart from the mark as shown. For Binoculars. Claims use since December 1939.

Ser. No. 629,030. W. N. Matthews Corporation, St. Louis, Mo. Filed May 1, 1952. (Sec. 2f.)

LAMPLIGHTER

Applicant claims ownership of Registration No. 515,473. For Thermostatic Electric-Relay Switches for Use in Street-Lighting Circuits. Claims use since Feb. 21, 1947.

Ser. No. 629,141. Allen-Bradley Company, Milwaukee, Wis. Filed May 3, 1952.



The word "Quality" is specifically disclaimed apart from its use in the mark as shown. Applicant claims ownership of Registrations Nos. 185,662, 370,234, and 432,065.

For Temperature Responsive Switches and Parts Thereof. Claims use since October 1945.

Ser. No. 630,318. Ercona Camera Corporation, New York, N. Y. Filed May 27, 1952.

ALTIX

For Cameras. Claims use since Jan. 4, 1952.

Ser. No. 630,319. Ercona Camera Corporation, New York, N. Y. Filed May 27, 1952.

Altuca

For Cameras.
Claims use since Jan. 4, 1952.

Ser. No. 630,322. Ercona Camera Corporation, New York, N. Y. Filed May 27, 1952.

FLEKTOGON

For Photographic Lenses.
Claims use since March 1951.

Ser. No. 630,333. Mycro Camera Co., Inc., New York, N. Y. Filed May 27, 1952.

ASTRO

For Photographic Lenses.
Claims use since March 1951.

Ser. No. 630,337. Mycro Camera Co., Inc., New York, N. Y. Filed May 27, 1952.

Pan-Tachar

For Photographic Lenses.
Claims use since March 1951.

Ser. No. 630,329. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed May 31, 1952.

EKTRON

For Radiation Sensitive Element for Measuring Light, Temperature, and Humidity.
Claims use since Apr. 22, 1952.

Ser. No. 630,600. Kenfelf & Esser Company, Hoboken, N. J. Filed June 2, 1952.

Boss

For Measuring Tapes.
Claims use since December 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 624,418. John Mullins & Sons, Inc., Brooklyn, N. Y. Filed Feb. 1, 1952.

BLUE RIBBON

For Horological Instruments—Namely, Clocks and Parts Thereof; Watches for Men and Women and Parts Thereof.
Claims use since Nov. 27, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 633,426. Modglin Company, Inc., Los Angeles, Calif. Filed Aug. 2, 1952. (Sec. 2f.)

WHISK-OFF

Applicant claims ownership of Registration No. 541,210. For Whisk Brooms.
Claims use since Apr. 26, 1947.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 622,893. Oorham Manufacturing Company, Providence, R. I. Filed Dec. 27, 1951.

VITRION

For Ceramic Articles—Namely, Tableware, Bowls, and Vases Made Predominantly of High Fired Ceramic Material.
Claims use since Aug. 29, 1951.

Ser. No. 628,040. Ethlyn B. Gaylord, doing business as Gayet Ceramics, Temple City, Calif. Filed Apr. 14, 1952.

Gayet

For Ceramic Articles—Namely, Dishes, Spoon Drip Holders, Salt and Pepper Shakers, Tea Bag Drainers, Egg Cups, Cruets, Planters, Salt Boxes, Cooky Jars, Decorative Wall Plates, Razor Blade Banks, Toby Mugs, Pin Cushions, Candy Boxes, Picture Frames, Tea Balls, and Tooth Paste and Brush Holders or Dishes.
Claims use since Apr. 4, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 302,964. Filter-Soft Corporation, Detroit, Mich. Original filed, act of 1905, May 29, 1946; amended to application under act of 1946, Principal Register, Mar. 5, 1952. (Sec. 2f.)

FILTER-SOFT

For Water Softening Units Comprising Containers for Zeolite Crystals Adapted To Be Connected in Plumbing Lines, and Regenerating Equipment Also Adapted To Be Connected in Plumbing Lines for Restoring the Water Softening Action of Such Water Softening Units.
Claims use since on or about Mar. 1, 1946.

Ser. No. 624,807. American Locomotive Company, New York and Schenectady, N. Y. Filed Feb. 12, 1952.

Alco

For Cartridge-Type Filters for General Use.
Claims use since Oct. 9, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 383,812. Olive and Myers Mfg. Co., Dallas, Tex. Filed Aug. 22, 1949.

Gaucha

The picture is fanciful.
For Modern Ranch Furniture Made of Hardwood, Such as Celtis or Ash—Namely, Chairs, Ottomans, Sofa Beds, Step Tables, Coffee Tables, Lamp Tables, Vanities, Chests, Dressers, Bedroom Benches, Beds, Desks, Desk Chairs, Night Stands, Dining Room Chairs, Dining Tables, Credenzas, and China Cabinets.
Claims use since Apr. 10, 1949.

Ser. No. 600,027. Burton-Dixie Corporation, Chicago, Ill. Filed June 30, 1950. (Sec. 2f.)

KOT-N-TOP

Applicant claims ownership of Registration No. 396,049. For Pillows.
Claims use since Nov. 11, 1940.

Ser. No. 602,517. National Feather & Down Company, Brooklyn, N. Y. Filed Aug. 21, 1950.

Lull-A-Foam

The word "Foam" is disclaimed apart from the mark shown on the drawing.
For Pillows and Cushions.
Claims use since Apr. 7, 1950.

Ser. No. 617,233. Daystrom, Incorporated, Elizabeth, N. J. Filed Aug. 2, 1951.

DAYSTROMITE

Applicant claims ownership of Registration No. 556,739. For Laminated Plastic Table Tops.
Claims use since 1947.

Ser. No. 620,394. Thaddeus S. Ferree, Jr., doing business under the name of Ferree Studios, Raleigh, N. C. Filed Oct. 20, 1951.

FLEXHIBIT

For Display Stands.
Claims use since Mar. 6, 1951.

Ser. No. 621,302. Arrow Lamp Mfg. Co. Inc., New York, N. Y. Filed Nov. 16, 1951.

Whirl-O-Matic

The word "Whirl" is disclaimed apart from the mark. For Spin Type Ash Receptacles—Namely, Smoking Stands.
Claims use since September 1951.

Ser. No. 622,095. Stratford Furniture Corporation, Chicago, Ill. Filed Dec. 4, 1951.

TOWN-AIRE

For Furniture—Namely, Upholstered Chairs, Sofas, Love Seats, Sofa Beds, Reclining Chairs, Rockers, and Posture Chairs.
Claims use since Nov. 12, 1951.

Ser. No. 627,860. American Seating Company, Grand Rapids, Mich. Filed Apr. 10, 1952.

UNI-STAK

Applicant disclaims the word "Stak" except in association with other features of the mark as shown. For Stacking Chairs and Tables.
Claims use since Jan. 1, 1952.

Ser. No. 628,200. H. Goodman Inc., Cleveland, Ohio.
Filed Apr. 17, 1952.

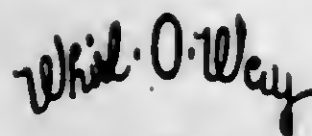


No claim is made for the words "Deluxe Innerspring" apart from the mark as shown. Applicant claims ownership of Registration No. 326,218.

For Mattresses, Box Springs, Studio Couches, Sofa Beds, and Folding Beds.

Claims use since Feb. 11, 1935.

Ser. No. 628,912. Arrow Lamp Mfg. Co. Inc., New York, N. Y. Filed Apr. 30, 1952.



The word "Whirl" is disclaimed apart from the mark as shown on the drawing.

For Spin Type Ash Receptacles—Namely, Smoking Stands.

Claims use since September 1951.

CLASS 33 GLASSWARE

Ser. No. 617,835. Century Industries, Inc., Chicago, Ill.
Filed Aug. 18, 1951.



Applicant makes no claim to the words "Tempered Glass" apart from the mark as shown.

For Tempered or Heat Treated Glass for Use in the Front of Television Sets, Stoves, Radiators.

Claims use since July 10, 1950.

Ser. No. 620,473. Penberthy Instrument Company, Inc., Seattle, Wash. Filed Oct. 25, 1951.

Hi-D

For Glass in Various Forms, Such as Blocks or Sheets.
Claims use since Oct. 13, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 622,619. Philco Corporation, Philadelphia, Pa.
Filed Dec. 17, 1951.

HELIOS

For Gas and Oil Cooking Ranges and Stoves.
Claims use since Nov. 30, 1951.

Ser. No. 624,806. American Locomotive Company, New York and Schenectady, N. Y. Filed Feb. 12, 1952.



For Heat Exchangers for General Use.
Claims use since Oct. 24, 1947.

Ser. No. 628,753. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Apr. 26, 1952.

Fedway

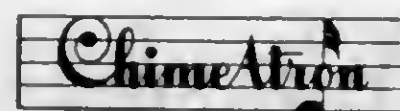
For Gas and Oil Burning Water Heaters, Stokers, Exhaust and Ventilating Fans, Air Conditioners, Candlesticks, Candelabra, Deep Fat Fryers and Grills Having Their Own Source of Heat, Furnaces, Gas Ranges and Stoves, Outdoor Cooking Grills and Lanterns Having a Source of Light Other Than Electrical.

Claims use since Mar. 28, 1952.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 621,169. Schulmerich Electronics, Incorporated, Sellersville, Pa. Filed Nov. 13, 1951.



No claim is made to the exclusive use of the word "Chime" alone.

For Musical Instruments—Namely, Keyboard Operated, Roll Player Operated or Automatically Operated, Electrically Operated Chime or Bell Instruments; and Parts for the Aforesaid Goods.

Claims use since May 1, 1951.

Ser. No. 627,223. Razor Corporation, New York, N. Y. Filed Mar. 28, 1952.

CETRA-SORIA

Applicant disclaims the surname "Soria" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 431,642 and 510,656.

For Mechanically Grooved Phonograph Records and Phonograph Record Albums.

Claims use since Dec. 8, 1947; and since May 1, 1949, as to the mark shown.

CLASS 37

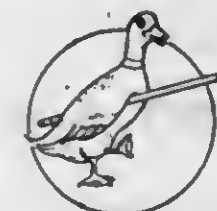
PAPER AND STATIONERY

Ser. No. 615,316. Smith-Stewart Paper Products, Inc., Brooklyn, N. Y. Filed May 10, 1951.

Smart

For Gift Wrapping Paper.
Claims use since May 1, 1946.

Ser. No. 622,342. The Mallard Pencil Co. Inc., Georgetown, Ky. Filed Dec. 11, 1951.



The representation of a pencil is disclaimed apart from the mark as shown on the drawing.

For Wood Cased Crayons and Wood Cased Lead Pencils.
Claims use since Feb. 12, 1948.

Ser. No. 623,527. Joseph Haupt, Brooklyn, N. Y. Filed Dec. 21, 1951. (Sec. 2f.)

MANHATTAN SPECIAL

Applicant claims ownership of Registration No. 166,781. For Pencils, Composition, Memorandum, and Note Books, Tablets, Steno Books, Writing Pads, Index Cards, Bound Ledger Books, Mailing and Correspondence Envelopes, Mimeograph Paper, Social Stationery, Loose Leaf Covers, Loose Leaf Fillers, Ledger Sheets, Rubber Erasers, Typewriter Paper, Commercial Blank Books, Blank and Partially Printed Music Books and Spelling Books, Theme Tablets, Pen Points, Fountain Pens, and Bridge Score Cards.

Claims use since 1903.

Ser. No. 627,674. Chippewa Paper Products Co. Inc., Chicago, Ill. Filed Apr. 7, 1952.

Chippamat

Applicant claims ownership of Registrations Nos. 553,775, 544,024, and 548,205.

For Corrugated Paper Mats for Table Tops and Other Surfaces.

Claims use since Dec. 20, 1951.

Ser. No. 620,619. Plymouth Wallpaper Company, Inc., Baltimore, Md. Filed May 13, 1952.



PLYMOUTH

For Wall Paper.
Claims use since 1926.

Ser. No. 630,730. Rootie Kasootie, Inc., New York, N. Y. Filed June 4, 1952.

IPSO FATSO

For Lead Pencils.
Claims use since May 28, 1952.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 628,840. Army Times Publishing Company, Washington, D. C. Filed Apr. 29, 1952.

NAVY TIMES

Marine Corps Navy Coast Guard

No claim is made to the words "Navy," "Marine Corps," and "Coast Guard" apart from the mark as shown. Applicant claims ownership of Registration No. 386,273.

For Newspaper.
Claims use since Oct. 18, 1951.

Ser. No. 631,712. Allied Chemical & Dye Corporation, New York, N. Y. Filed June 25, 1952.

AMMUNITION!

For Pamphlets or Leaflets Issued From Time to Time to Distributors of, and Dealers in, Roofings and Protective Coatings and Related Products.
Claims use since April 1952.

Ser. No. 632,031. Hillman Periodicals, Inc., New York, N. Y. Filed July 1, 1952.

MAN'S
DAY

For Periodical Publication Published Monthly.
Claims use since on or about June 20, 1952.

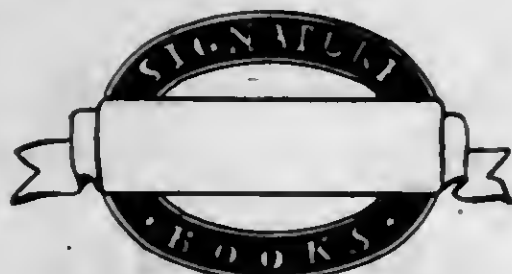
Ser. No. 632,063. American Hospital Association, Chicago, Ill. Filed July 2, 1952.



The drawing is lined for the color blue. The words "Nisi-Dominus Frustra" are Latin for "Without God, All is Lost." Applicant claims ownership of Registration No. 525,536.

For Quarterly Magazine.
Claims use since December 1946.

Ser. No. 632,474. Grosset & Dunlap, Inc., New York, N. Y. Filed July 12, 1952.



The word "Books" is disclaimed apart from the mark as shown.

For Books.
Claims use since June 30, 1952.

CLASS 39 CLOTHING

Ser. No. 619,975. Koret of California, Inc., San Francisco, Calif. Filed Oct. 13, 1951.

TUBALON

Applicant claims ownership of Registration No. 531,735. For Women's, Misses', and Children's Dresses, Halsters, Outer Shorts, Outer Shirts, Blouses, Slacks, Pedal Pushers, and Jackets.

Claims use since Sept. 4, 1951.

Ser. No. 622,019. Grayson-Robinson Stores, Inc., New York, N. Y. Filed Dec. 3, 1951.

styled by
Jeri James

The name "Jeri James" is fictitious. The exclusive right to the words "Styled By" is disclaimed.

For Women's and Girls' Sweaters.
Claims use since Nov. 14, 1951.

Ser. No. 623,727. Maldenform Brassiere Co., Inc., New York, N. Y. Filed Jan. 17, 1952.

PRIVATE AFFAIR

For Brassières.
Claims use since Dec. 17, 1951.

Ser. No. 626,517. Levy Brothers, Inc., Atlanta, Ga. Filed Mar. 15, 1952. (Sec. 2f.)

Lowline

Applicant claims ownership of Registration No. 414,686. For Ladies' and Misses' Dresses, Skirts, Suits, and Jumpers.
Claims use since Mar. 15, 1944.

Ser. No. 626,812. Anne Loveland Meyerling, New York, N. Y. Filed Mar. 21, 1952.

WAIST-A-WAY

For Elastic Belts.
Claims use since Mar. 3, 1952.

Ser. No. 626,902. The Nite Kraft Corporation, New York, N. Y. Filed Mar. 22, 1952.

PA-JEAN-AS

For Pajamas for Men, Women, Boys, and Girls.
Claims use since Jan. 30, 1952.

Ser. No. 627,188. Holiday Hosiery Corporation, New York, N. Y. Filed Mar. 28, 1952.

DIAMANT

For Women's and Girls' Stockings.
Claims use since Mar. 5, 1951.

Ser. No. 629,265. Summit Sportswear Company, Boston, Mass. Filed May 8, 1952.

ORIGINAL

American Walker

The descriptive word "Original" and the geographical word "American" are disclaimed apart from the mark as shown on the drawing.

For Ladies' and Misses' Skirts.
Claims use since Mar. 24, 1952.

Ser. No. 629,433. M. Herzog Company, Inc., New York, N. Y. Filed May 9, 1952. (Sec. 2f.)

Fynette

For Hairnets Made of Real Hair, Nylon, Cotton, Silk, or Rayon.
Claims use since July 15, 1921.

Ser. No. 629,448. Munsingwear, Inc., Minneapolis, Minn. Filed May 9, 1952.

SECRE-SEAL

Applicant claims ownership of Registration No. 399,498. For Women's and Girls' Hosiery.
Claims use since Apr. 17, 1942.

Ser. No. 630,830. Collingswood Hosiery Mills, Inc., Westmont, N. J. Filed June 6, 1952.

Telesheer

For Women's Hosiery.
Claims use since May 23, 1952.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS,
AND SUBSTITUTES THEREFOR

Ser. No. 609,215. Stein-Tex, Inc., also doing business under the name Stein-Tex Fabrics Co., New York, N. Y. Filed Jan. 24, 1951.

SAHARA SHEEN

The word "Sheen" is disclaimed apart from the mark as shown in the drawing.

For Cotton Broadcloth Fabrics for Use in Making Wearing Apparel.

Claims use since Oct. 15, 1949.

CLASS 43

THREAD AND YARN

Ser. No. 628,980. Bernhard Altmann, New York, N. Y. Filed May 1, 1952.

BERNALL

For Threads and Yarns Made of Silk, Halra, Wool, Cashmere, and Other Animal Fibers and Filaments, Cotton and Other Vegetable Fibers, and Rayon, Nylon, and Other Synthetic Fibers and Filaments and Mixtures Thereof.

Claims use since 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL
APPLIANCES

Ser. No. 589,668. Melaro's, Incorporated, Oakmont, Pa. Filed Dec. 20, 1949.

Twinkit

For Permanent Wave Sets, Curlers, Rods, Pads, Caps.
Claims use since Dec. 7, 1949.

Ser. No. 593,321. Knapp-Monarch Company, St. Louis, Mo. Filed Feb. 4, 1950. (Sec. 2f.)

MODERNE

Applicant claims ownership of Registration No. 341,320. For Infra-Red Ray Lamps for Therapeutic Purposes.
Claims use since September 1935.

Ser. No. 607,790. E. D. Bullard Co., San Francisco, Calif. Filed Dec. 18, 1950. (Sec. 2f.)

BULLARD

The drawing is lined for black, but no claim is made to color. Applicant claims ownership of Registration No. 296,502.

For First Aid and Protective Equipment, Consisting of First Aid Medical and Surgical Kits and Contents Thereof, Consisting of Bandages, Adhesive Tape, Compresses, Tourniquets, Splints, Eye Dressings, Swabs, Antiseptic Compounds, Inhalants, Adhesive Compresses, Tweezers, Gauze Pads; and Stretchers, Gas Masks, Cannisters for Gas Masks, Dust Masks, Air Purifiers for Mask Equipment, Inhalators, Respirators and Resuscitators.

Claims use since Apr. 1, 1930.

Ser. No. 622,041. Sears, Roebuck and Co., Chicago, Ill., doing business as Lyric Distributors, New York, N. Y. Filed Dec. 3, 1951.

Lyric

For Manicure Implements—Namely, Nail Files, Nail Clippers, Nail Scissors, Nail Nippers, Cuticle Scissors, Cuticle Pushers, Cuticle Nippers, Tweezers.
Claims use since June 25, 1951.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 564,834. Seminole Flavor Company, Chattanooga, Tenn. Filed Sept. 8, 1948. (Sec. 2f.)

DOUBLE
COLA

Applicant claims ownership of Registration No. 394,666. For Cola Variety of Carbonated Non-Alcoholic Non-Cereal Maltless Beverages Sold as Soft Drinks, and Flavoring Therefor.

Claims use since Sept. 27, 1935.

Ser. No. 627,904. Yvian J. Smith, Stapleton, N. Y. Filed Apr. 10, 1952.

SMINTS

For Non-Alcoholic Soft Drinks.
Claims use since Apr. 2, 1952.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 577,459. Shirliff's Limited, Toronto, Ontario, Canada. Filed Apr. 29, 1949.

BUD

Applicant claims ownership of Canadian Registration No. NS 21,576.

For Gelatine Dessert Powders.

Claims use since July 2, 1942; and since July 2, 1942, in commerce between foreign nations and the United States.

Ser. No. 580,022. Schenley Industries, Inc., New York, N. Y., by change of name from Schenley Distillers Corporation. Filed June 16, 1949.



No claim is made to the words "Symbol of Quality" apart from the mark shown in the drawing. Applicant claims ownership of Registration No. 353,571.

For Pure Extract of Lemon, Pure Extract of Vanilla, Pure Extract of Almond, All for Food Flavoring Purposes.

Claims use since Jan. 24, 1947.

Ser. No. 596,827. Biddle Purchasing Company, trading as Meridian Distributors, New York, N. Y. Filed May 4, 1950.

GOOD
HOPE

For Marshmallows and Imitation Vanilla Flavoring for Food Purposes.

Claims use since Dec. 1, 1944.

Ser. No. 603,780. Heckman Products Corp., Washington, D. C. Filed Sept. 20, 1950. (Sec. 2f.)

HECKMAN

For Pickles, Sauerkraut, Pickled Cocktail Onions, Distilled White Vinegar, Pickled Peppers, Pickled Tomatoes, Olives, Pitted Cocktail Cherries, Pimentos and Relish Made From Cucumbers, Cauliflower, Onions, Peppers, Distilled Vinegar, Sugar, Salt, Spices, Alum, and Turmeric.

Claims use since July 1938.

Ser. No. 606,460. Dyer & Co., Kansas City, Kans. Filed Nov. 16, 1950.



The word "Dyer's" is disclaimed apart from the mark shown in the drawing. The drawing is lined for brown, yellow, blue, and red, but no claim is made to color.

For Poultry Feed Composed of Cereal Grains and Other Ingredients Suitable for Chickens, Ducks, Turkeys, and Other Poultry.

Claims use since Oct. 3, 1950.

Ser. No. 609,463. E. G. Whitman & Co., Inc., Philadelphia, Pa. Filed Jan. 10, 1951. (Sec. 2f.)



No claim is made to the word "Mint" except in the association shown.

For Candy.

Claims use since December 1925.

Ser. No. 611,725. Anthony Sideris, doing business as Tony Sideris, Rome, Ga. Filed Mar. 23, 1951.



For Oil Dressing for Salads, Vegetables, and the Like.

Claims use since Feb. 1, 1950.

Ser. No. 613,300. Lewis Food Co., also doing business as Ross Food Co., Los Angeles, Calif. Filed Apr. 28, 1951. (Sec. 2f.)

Dr. Ross

For Cat and Dog Food.

Claims use since Dec. 1, 1925.

Ser. No. 613,846. Arthur W. Hille, doing business under the name of Indiana Feed & Seed Co., Fort Wayne, Ind. Filed May 14, 1951.

SINGMOR

Applicant claims ownership of Registration No. 281,840. For Bird Foods—Namely, Seed, Grits, Biscuits, Cattle Bone, and Egg and Nestling Food With Added Cod Liver Oil.

Claims use since Oct. 1, 1928.

Ser. No. 621,495. Amial Peruana, S. A., Lima, Peru. Filed Nov. 21, 1951.

KON TIKI

For Canned Fish, Canned Fish Products—Namely, Bonita, Tuna, and Anchovies in Flakes and in Solid Pack; and Packaged Fish Meal Used as a Feed for Cattle and Hogs.

Claims use since Oct. 10, 1951; and use in commerce between Peru and the United States since Oct. 25, 1951.

Ser. No. 623,270. Carnation Company, Los Angeles, Calif. Filed Jan. 7, 1952.

SUCKLE

Applicant claims ownership of Registration No. 108,086.

For Livestock and Poultry Feed.

Claims use since Dec. 10, 1951.

Ser. No. 623,387. Algin Corporation of America, New York, N. Y. Filed Jan. 10, 1952.

CARALAK

For Edible Compound of Irish Moss Extract and Locust Bean Gum Used as a Stabilizer for Ice Cream and Sherbets and as a Gelling Agent in Milk Puddings.

Claims use since Nov. 7, 1950.

Ser. No. 628,528. Flavor Corporation of America, Chicago, Ill. Filed Apr. 23, 1952.

SESSALOM

For Concentrated Extracts Used to Flavor Animal Feeds.

Claims use since May 20, 1948.

666 O. G.—3

Ser. No. 629,158. Flavor Corporation of America, Chicago, Ill. Filed May 3, 1952.

VERSA

For Food Flavorings—Namely, Concentrated Extracts in Liquid and Dry Form.

Claims use since Apr. 18, 1952.

Ser. No. 629,199. Golden State Company, Ltd., San Francisco, Calif. Filed May 5, 1952. (Sec. 2f.)

Golden State

Applicant claims ownership of Registrations Nos. 113,861, 275,086, and 289,650.

For Butter, Fluid Milk, Fluid Cream, Ice Cream, Evaporated Milk, Cheese, Powdered Whole Milk, Nonfat Dry Milk Solids, Powdered Ice Cream Mix, and Sherbet.

Claims use since April 1912.

Ser. No. 630,527. Corn Products Refining Company, New York, N. Y. Filed May 31, 1952.

CORPUSTAR

For Mito Gluten Feed and Mito Gluten Meal for Live Stock and Poultry Consumption.

Claims use since Dec. 18, 1950.

Ser. No. 631,433. Mount Olive Pickle Co. Inc., Mount Olive, N. C. Filed June 19, 1952.

LITTLE
SISTER

For Pickles and Pickle Relishes.

Claims use since July 20, 1950.

Ser. No. 631,434. Mount Olive Pickle Company, Inc., Mount Olive, N. C. Filed June 19, 1952. (Sec. 2f.)

MOUNT
OLIVE

For Pickles and Pickle Relishes.

Claims use since July 1938.

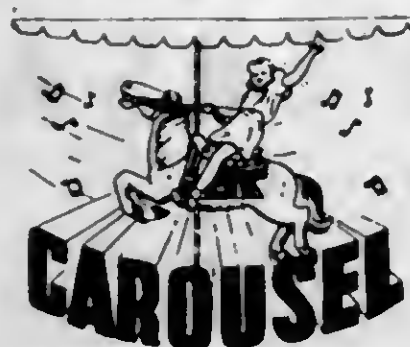
Ser. No. 631,496. Alfred Ross, doing business under the name of Lefferts Novelty Co., Brooklyn, N. Y. Filed June 20, 1952.

WHAT'S
WHAT

For Candy.

Claims use since December 1951.

Ser. No. 631,652. D'Arrigo Bros. Co. of California, San Jose, Calif. Filed June 24, 1952.



For Fresh Vegetables.
Claims use since June 12, 1952.

Ser. No. 631,800. Gulf Salt Company, Houston, Tex. Filed June 26, 1952.

GULF

For Salt.
Claims use since Dec. 14, 1951.

Ser. No. 631,850. Consumers Cooperative Association, Kansas City, Mo. Filed June 27, 1952. (Sec. 2f.)

PLATTE RIVER

For Canned Vegetables.
Claims use since January 1944.

Ser. No. 633,164. Johnny O'Grady, doing business as Johnny O'Grady Co., Salinas, Calif. Filed July 28, 1952.

**ROSIE
O'GRADY**

The mark is not the name of any known individual and is famous as the name of a fictional character in a popular song.

For Fresh Vegetables.
Claims use since June 14, 1952.

**CLASS 47
WINES**

Ser. No. 629,252. Bartolomeo Pio, Inc., Philadelphia, Pa. Filed May 6, 1952.



For Wines.
Claims use since July 20, 1951.

PIO

Applicant claims ownership of Registration No. 398,467.
For Wines.
Claims use since May 8, 1949.

**CLASS 48
MALT BEVERAGES AND LIQUORS**

Ser. No. 611,861. Jacob Ruppert, New York, N. Y. Filed Mar. 27, 1951.

**RUPPERT
Knickerbocker**



The portrait shown on the drawing is fanciful. The surname "Ruppert" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 49,727, 55,161, 86,002, 128,507, and others.
For Beer.
Claims use since Feb. 26, 1951.

Ser. No. 620,724. Berghoff Brewing Corporation, Fort Wayne, Ind. Filed Mar. 20, 1952. (Sec. 2f as to "Berghoff.")



Applicant claims ownership of Registrations Nos. 304,472, 312,693, 393,963, and 558,598.
For Beer.
Claims use since Oct. 10, 1951, as to the mark shown; and since 1887 as to "Berghoff."

Ser. No. 631,035. American Brewing Company, New Orleans, La. Filed June 11, 1952.



The drawing is hatched for the colors gold, red, and dark brown. The portrait shown is fanciful. Applicant claims ownership of Registrations Nos. 105,969, 324,017, and others.

For Beer.
Claims use since Dec. 15, 1951.

**CLASS 49
DISTILLED ALCOHOLIC LIQUORS**

Ser. No. 503,917. Esbeco Distilling Corporation, Stamford, Conn. Filed Aug. 24, 1948. (Sec. 2f.)

McLoughlin's

Applicant claims ownership of Registration No. 363,517.
For Whiskey.
Claims use since Apr. 29, 1935.

Ser. No. 628,198. F. V. Goldsborough Distilling Corporation, Baltimore, Md. Filed Apr. 17, 1952.

JOHNNY REB

The name "Johnny Reb" constituting the trade-mark is fanciful.
For Whiskey.
Claims use since Mar. 31, 1952.

**CLASS 51
COSMETICS AND TOILET PREPARATIONS**

Ser. No. 509,969. Parfums Eryan Inc., New York, N. Y. Filed June 29, 1950.

**Golden
Shadows**

Applicant claims ownership of Registration No. 428,074.
For Perfumes, Colognes, Toilet Water.
Claims use since June 5, 1950.



The portrait which is an integral part of this mark is fanciful.

For Face Creams, Face Powders, Talcum Powders, Hair Pomades, Foot Powders, and Tooth Cleansing Pastes.
Claims use since December 1923.

Ser. No. 620,550. Parfums Forvill & Dentifrices du Docteur Pierre Reunis, Societe Anonyme, Nanterre (Seine), France. Filed Oct. 27, 1951.

DOCTEUR PIERRE

Applicant claims ownership of French Registration No. 329,531, dated Dec. 7, 1939.
For Dentifrices, Liquid Dentifrices.

Ser. No. 621,925. Angelo Vaj, Piacenza, Italy. Filed Nov. 30, 1951.

RI-NO-VA

Priority under Sec. 44(d). Italian application filed Oct. 13, 1951, Reg. No. 107,705, dated May 30, 1952.
For Brilliantines, Hair Dyes, Preparations for Restoring the Original Color of Hair, Toilet Lotions, and Toilet Waters.

Ser. No. 626,057. Societe Anonyme Etablissements F. Vibert, Lyon (Rhône), France. Filed Mar. 6, 1952. (Sec. 2f.)



No claim is made to the word "Lotion" apart from the mark as shown. The lining is for shading purposes only. Applicant claims ownership of Registration No. 154,410.
For Hair Lotion.
Claims use since 1893 in France; and since 1898 in commerce between France and the United States.

Ser. No. 629,190. Consumers Home Products, Inc., Brookline, Mass. Filed May 5, 1952.

Consodent

For Dentifrice.
Claims use since Mar. 31, 1952.

Ser. No. 631,653. Edeco Fragrance, Inc., Brooklyn, N. Y. Ser. No. 623,057. J. F. Kerns Company, Chicago, Ill.
Filed June 24, 1952. Filed Jan. 2, 1952.

EDCO

For Perfumes and Toilet Waters.
Claims use since 1916.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 610,003. Consolidated Rendering Company, also doing business as Atlantic Packing Company, Boston, Mass. Filed Feb. 13, 1951. (Sec. 2f.)

PEERLESS

Applicant claims ownership of Registrations Nos. 174,931 and 283,190.

For Soap, Grease for Soap-Making, and a Basic Material—Namely, Tallow, Used in Soap-Making.
Claims use since January 1901.

Ser. No. 610,004. Consolidated Rendering Company, also doing business as Atlantic Packing Company, Boston, Mass. Filed Feb. 13, 1951. (Sec. 2f.)

PERFECTION

Applicant claims ownership of Registrations Nos. 171,944 and 311,476.

For Soap, Grease for Soap-Making, and a Basic Material—Namely, Tallow, Used in Soap-Making.
Claims use since January 1901.

Ser. No. 614,824. Bob Fink, doing business as Capital City Cleaner Company, Washington, D. C. Filed June 6, 1951.

4C's

For Surface Cleaning Compound in Paste Form.
Claims use since Jan. 1, 1923.

Ser. No. 614,825. Bob Fink, doing business as Capital City Cleaner Company, Washington, D. C., and Philadelphia, Pa. Filed June 6, 1951.

"Four Seas"

For Surface Cleaning Compound in Paste Form.
Claims use since Jan. 21, 1949.

LIQUISAN

For Liquid Type Paint and Varnish Remover.
Claims use since in or about February 1945.

Ser. No. 630,019. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 21, 1952.

DUZ O MATIC

Applicant claims ownership of Registrations Nos. 135,159, 408,865, and others.
For Soluble Cleaner, Cleanser, and Detergent.
Claims use since Apr. 14, 1952.

Ser. No. 630,217. John Sexton & Co., Chicago, Ill. Filed May 24, 1952.

Sanitary Sam's

No claim is made to the exclusive use of the word "Sanitary" apart from the mark shown in the drawing.
For Scouring Cleanser.
Claims use since Feb. 26, 1952.

Ser. No. 632,118. The Gillette Company, doing business under the name and style of The Toni Company, Boston, Mass. Filed July 3, 1952.

Soft Touch

No claim is made to the word "Soft" apart from the mark shown in the drawing.
For Shampoo.
Claims use since Apr. 1, 1952.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 535,646. Sterling Jones Laboratories, doing business under the name of R. A. Myers & Company, St. Paul, Minn. Filed Nov. 7, 1947.

RAMCO

For Sanitation Service—Namely, the Leasing and Periodic Servicing of Automatic Drip Machines in Toilets and Urinals for the Purpose of Deodorizing the Same.
Claims use since on or about Jan. 1, 1929.

Ser. No. 605,052. Walter Reade's Theatre, Inc., New York, N. Y. Filed Oct. 17, 1950.

REFRESHERY

For Service of Preparing and Distributing Food and Soft Drinks at Open Air Theatres, and Other Places of Amusement.
Claims use since August 1947.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 611,033. Work Clothes & Sportswear Show, Inc., Yonkers, N. Y. Filed Mar. 8, 1951.



For Advertising the Goods of Others, Which Comprise Men's Work Clothes and Sportswear, Through the Medium of Shows and Exhibitions Promoted Periodically in Different Cities of Different States.
Claims use since Jan. 2, 1950.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 609,767. Pan American Bank of Miami, Miami, Fla. Filed Jan. 12, 1951. (Sec. 2f.)

PAN AMERICAN BANK

of MIAMI, FLORIDA
Banking House of the Western Hemisphere

Applicant claims ownership of Registration No. 512,333.
For Banking Services—Namely, Checking and Savings Accounts, Loans, Trusts, and Foreign Exchange; and Real Estate Brokerage.
Claims use since Dec. 1, 1945.

Ser. No. 609,768. Pan American Bank of Miami, Miami, Fla. Filed Jan. 12, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 512,334.
For Banking Services—Namely, Checking and Savings Accounts, Loans, Trusts, Foreign Exchange; and Real Estate Brokerage.
Claims use since Dec. 1, 1945.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 580,845. Lane-Wells Company, Los Angeles, Calif. Filed June 21, 1949.

KONESHOT

For Well Casing and Formation Perforating in Well Boreholes.
Claims use since October 1947.

CLASS 106

MATERIAL TREATMENT

Ser. No. 620,151. Fair Lawn Finishing Company, Fair Lawn, N. J. Filed Oct. 18, 1951.

DURADUL

For Chemically Treating Synthetic Fabrics in the Piece To Impart a Permanent Delustrant Finish Thereto.
Claims use since on or about Mar. 20, 1951.

TRADE-MARK REGISTRATIONS GRANTED ACT OF 1905.

444,746. Hydropneumatic Accumulators and Parts Thereof, and Pneumatic Tools—Namely, Pneumatic Hammers and Parts Thereof. Samuel M. Kipp, Pasadena, Calif.
Filed Apr. 15, 1947, Serial No. 520,711. Published Sept. 30, 1952. Class 23.

ACT OF 1946, PRINCIPAL REGISTER

- 568,680. Fluorescent Lighting Reflectors for Electric Lights and Fittings Thereof. Benjamin Electric Manufacturing Company, Des Plaines, Ill.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1948, Serial No. 523,734. Published Feb. 19, 1952. Class 21.
- 568,681. Paper Bags. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass.
Filed Sept. 18, 1947, Serial No. 534,931. Published Oct. 7, 1952. Class 2.
- 568,682. Metal Shipping and Storage Pails, Shipping and Storage Cans, Shipping and Storage Drums, and Shipping and Storage Barrels. Wheeling Steel Corporation, Wheeling, W. Va., assignor to Wheeling Corrugating Company, Wheeling, W. Va., a corporation of West Virginia.
Filed Oct. 13, 1947, Serial No. 537,760. Published Sept. 16, 1952. Class 2.
- 568,683. Padlocks. The Yale & Towne Manufacturing Co., New York, N. Y.
Filed Oct. 17, 1947, Serial No. 538,221. Published Oct. 14, 1952. Class 25.
- 568,684. Salt. Morton Salt Company, Chicago, Ill., assignee of Huggles & Rademaker Salt Company.
Filed Nov. 10, 1947, Serial No. 540,719. Published Sept. 30, 1952. Class 46.
- 568,685. Sashes, Doors, Blinds of the Shutter Type Having Stationary or Adjustable Slats, Etc. Curtis Companies Incorporated, Clinton, Iowa.
Filed Dec. 9, 1947, Serial No. 543,796. Published Sept. 30, 1952. Class 12.
- 568,686. Reinforced Paper. American Reinforced Paper Company, Attleboro, Mass.
Filed Mar. 26, 1948, Serial No. 553,058. Published Oct. 7, 1952. Class 37.
- 568,687. Canned Peas. Oconomowoc Canning Company, Oconomowoc, Wis.
Filed June 11, 1948, Serial No. 559,044. Published Oct. 14, 1952. Class 46.
- 568,688. Merchandise Envelopes, Made From Paper, Transparent or Translucent Sheet Material, or Combinations Thereof. Alexander Hera Co., Inc., New York, N. Y.
Filed Aug. 4, 1948, Serial No. 562,899. Published Sept. 16, 1952. Class 2.
- 568,689. Carriage for Use in Hitching Various Soil Cultivating Implements to a Garden Tractor. Sten S. Mellin, doing business as Mellin Industries, Cleveland, Ohio.
Filed Sept. 17, 1948, Serial No. 563,352. Published Sept. 16, 1952. Class 23.
- 568,690. Candy. Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Filed Sept. 22, 1948, Serial No. 565,670. Published Sept. 23, 1952. Class 46.
- 568,691. Candy. Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Filed Sept. 22, 1948, Serial No. 565,671. Published Sept. 23, 1952. Class 46.
- 568,692. Wheat Flour. Preston-Shaffer Milling Co., Walla Walla, Wash.
Filed Jan. 11, 1949, Serial No. 571,991. Published Apr. 8, 1952. Class 46.
- 568,693. Confectionery Topping Material, Etc. The Central Ohio Supply Co., Columbus, Ohio.
Filed Feb. 11, 1949, Serial No. 573,707. Published Sept. 23, 1952. Class 46.
- 568,694. Non-Alcoholic Maltless Soft Drinks, and Essences, Syrups, and Essential Oils Used in Making the Same. Mynor Pty. Limited, Mosman, near Sydney, Australia.
Filed Mar. 23, 1949, Serial No. 575,916. Published Sept. 23, 1952. Class 45.
- 568,695. Beer and Ale. Atlas Brewing Company, Chicago, Ill.
Filed Mar. 25, 1949, Serial No. 576,030. Published Sept. 23, 1952. Class 48.
- 568,696. Volatile Liniment and Liniments in General. Stanley Drug Products, Inc., Portland, Oreg.
Filed Mar. 28, 1949, Serial No. 576,235. Published Sept. 30, 1952. Class 18.
- 568,697. Glazed and Unglazed Tile—Namely, Back-up Tile and Drainage, and Brick. The General Clay Products Company, Columbus, Ohio.
Filed Mar. 29, 1949, Serial No. 576,260. Published Sept. 30, 1952. Class 12.
- 568,698. Radio, Electrical, and Electronic Equipment—Namely, Receivers, Etc. Srepen, Inc., Dayton, Ohio.
Filed Apr. 5, 1949, Serial No. 576,664. Published Sept. 30, 1952. Class 21.
- 568,699. Stocking Dryer Rack. Donaco Plastics Corporation, Chicago, Ill.
Filed May 10, 1949, Serial No. 578,494. Published Oct. 21, 1952. Class 24.
- 568,700. Expectorant Useful for Coughs Due to Colds. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,724. Published Oct. 21, 1952. Class 18.
- 568,701. Liquid Cleanser for General Household Purposes. Cutter Products, Oakland, Calif.
Filed May 31, 1949, Serial No. 578,915. Published Oct. 7, 1952. Class 32.
- 568,702. Scotch Whiskey. J. & J. Grant, Glen Grant, Limited, Rothes, Scotland.
Priority under Sec. 44(d). British Registration No. 678,213, filed Mar. 25, 1949.
Filed May 19, 1949, Serial No. 579,099. Published Sept. 23, 1952. Class 49.

- 568,703. Addressing Machines and Attachments Therefor—Namely, Listing Machines for Listing Data in One or More Lines; Printing Machines; Embossing Machines; and Parts Thereof. Adrema Limited, London, England.
Filed May 24, 1949, Serial No. 579,388. Published Sept. 23, 1952. Class 23.
- 568,704. Dolls, Doll Clothes, Doll Accessories, and Doll Toys; Etc. Mariquita Perez, S. A., Madrid, Spain.
Filed Oct. 21, 1950, Serial No. 579,647. Published Oct. 21, 1952. Class 22.
- 568,705. Telephone Answering Apparatus and Electronic Sound Recording and Reproducing Apparatus for Use Therewith. Electronic Secretary Industries, Inc., Milwaukee, Wis.
Filed July 18, 1949, Serial No. 582,129. Published Jan. 22, 1952. Class 21.
- 568,706. Packaged Plywood Cut or Stencilled for Cutting To Produce Parts To Be Assembled as Children's Furniture. M and M Wood Working Company, Portland, Oreg.
Filed Aug. 3, 1949, Serial No. 583,046. Published Sept. 30, 1952. Class 12.
- 568,707. Letter Heads, Partially Printed Statement Sheets, Partially Printed Labels, and Correspondence Envelopes. Richard L. Meyer, doing business as R-L-M Printing Company, Minot, N. Dak.
Filed Sept. 6, 1949, Serial No. 584,501. Published Oct. 7, 1952. Class 37.
- 568,708. Letter Heads, Partially Printed Statement Sheets, Partially Printed Labels, and Correspondence Envelopes. Richard L. Meyer, doing business as R-L-M Printing Company, Minot, N. Dak.
Filed Sept. 6, 1949, Serial No. 584,502. Published Oct. 7, 1952. Class 37.
- 568,709. Manifolds for Internal Combustion Engines; Overdrive Transmissions; Cylinder Heads; Governors for Internal Combustion Engines; Wire Crimping Tools; and Accessories for Tractors—Namely, Foot Throttles. Hefler Manufacturing Company, Hudson, Iowa.
Filed Sept. 20, 1949, Serial No. 585,067. Published Sept. 16, 1952. Class 23.
- 568,710. Hydraulic Loaders for Tractors, Hydraulic Pumps, Hydraulic Pistons, Hydraulic and Mechanical Agricultural and Industrial Loaders, and Hydraulic Wagon Hoists. Ulrich Products Corporation, Roanoke, Ill.
Filed Sept. 20, 1949, Serial No. 585,087. Published Sept. 5, 1950. Class 23.
- 568,711. Table Syrup. Robinson Syrup Co. Inc., Cairo, Ga.
Filed Nov. 17, 1949, Serial No. 587,976. CONCURRENT USE. Published Oct. 7, 1952. Class 46.
- 568,712. Maintenance Tanks in the Form of Relatively Deep Pans Fully Open at the Top and Providing a Liquid Holding Chamber, Etc. American Air Filter Company, Inc., Louisville, Ky.
Filed Dec. 1, 1949, Serial No. 588,815. Published Sept. 30, 1952. Class 2.
- 568,713. Metal Casting Plaster. United States Gypsum Company, Chicago, Ill.
Filed Jan. 21, 1950, Serial No. 591,260. Published Sept. 30, 1952. Class 12.
- 568,714. Gasoline and Lubricating Oil. Harry K. Webb, Alexandria, Minn.
Filed Jan. 21, 1950, Serial No. 591,265. Published Oct. 7, 1952. Class 15.
- 568,715. Cleaning and Washing Powder for China, Silverware, and Glasses. Harry R. Stevens, trading as The Peerless Chemical Company, Baltimore, Md.
Filed Feb. 1, 1950, Serial No. 591,811. Published Sept. 30, 1952. Class 52.
- 568,716. Light-Weight Additives for Drilling Fluids and Light-Weight Additives for Concrete Cements. Wellite Corporation, Tulsa, Okla.
Filed Jan. 23, 1950, Serial No. 593,955. Published Oct. 21, 1952. Class 6.
- 568,717. Cheese. Ab Walla Gard, Stockholm, Sweden.
Filed Apr. 11, 1950, Serial No. 595,524. Published Sept. 30, 1952. Class 46.
- 568,718. Pearl Jewelry—Namely, Collars and Chokers. Joseph H. Meyer Bros., Brooklyn, N. Y.
Filed Apr. 19, 1950, Serial No. 595,974. Published Sept. 30, 1952. Class 28.
- 568,719. Whiskey. James B. Beam Distilling Co., Chicago, Ill.
Filed Apr. 22, 1950, Serial No. 596,147. Published Sept. 23, 1952. Class 49.
- 568,720. Vodka. James B. Beam Distilling Co., Chicago, Ill.
Filed Apr. 22, 1950, Serial No. 596,148. Published Sept. 23, 1952. Class 49.
- 568,721. Brandy. James B. Beam Distilling Co., Chicago, Ill.
Filed Apr. 22, 1950, Serial No. 596,153. Published Sept. 23, 1952. Class 49.
- 568,722. Non-Alcoholic Maltless Beverages Sold as Soft Drinks and Not Used as or Sold for the Same Purposes as Grape Juice. The Delaware Punch Company of America, San Antonio, Tex.
Filed May 9, 1950, Serial No. 597,134. Published Sept. 23, 1952. Class 45.
- 568,723. Plywood Composed of Built-Up Wood, Consisting of Three or More Plies, Etc. The Davis Plywood Corporation, Cleveland, Ohio.
Filed May 18, 1950, Serial No. 597,669. Published Sept. 30, 1952. Class 12.
- 568,724. Shaving Creams. The Mennen Company, New York, N. Y.
Filed May 19, 1950, Serial No. 597,771. Published Oct. 7, 1952. Class 51.
- 568,725. Tablets Used as an Effective Regulation of Colonic Function. The Vale Chemical Company, Inc., Allentown, Pa.
Filed May 23, 1950, Serial No. 597,991. Published Oct. 21, 1952. Class 18.
- 568,726. Raw Pop Corn and Popped Pop Corn Popped With Coconut Oil and Salt. Lee E. Stine, trading as Popcorn Processing Company, Hagerstown, Md.
Filed June 7, 1950, Serial No. 598,759. Published Oct. 7, 1952. Class 46.
- 568,727. Drill Bits, Augers, Drill Heads, Wedges for Drill Bits, Couplings, Shanks, Sockets, and Adapters for Drilling Tools, Fishing Tools, Wrenches, Hammers, and Bit-Drivers. Central Mine Equipment Company, St. Louis, Mo.
Filed June 24, 1950, Serial No. 599,693. Published Sept. 16, 1952. Class 23.
- 568,728. Botanical Extract To Be Used for Scalp Treatment. Three R Co., Passaic, N. J.
Filed June 24, 1950, Serial No. 599,722. Published Oct. 21, 1952. Class 18.
- 568,729. Ale and Beer. Narragansett Brewing Company, Cranston, R. I.
Filed July 3, 1950, Serial No. 600,185. Published Sept. 23, 1952. Class 48.
- 568,730. Canned Fruits, and Canned Vegetables. Consolidated Grocers Corporation, Chicago, Ill.
Filed July 17, 1950, Serial No. 600,765. Published Oct. 7, 1952. Class 46.
- 568,731. Paper Napkins, Paper Fruit Wrappers, Waxed Paper, and Toilet Tissues. Fernstrom Paper Mills, Inc., Pomona, Calif.
Filed July 27, 1950, Serial No. 601,320. Published Oct. 7, 1952. Class 37.

- 568,732. Trays or Coasters Made Partly of Sterling Silver and Partly of China. The Ellmore Silver Co., Inc., Meriden, Conn.
Filed July 28, 1950, Serial No. 601,351. Published Oct. 7, 1952. Class 28.
- 568,733. Manhole Covers, Manhole Frames, Covers in Form of Floor Plates for Covering Ducts. The Dover Engineering Works Limited, Dover, Kent, England.
Filed July 20, 1950, Serial No. 601,392. Published Sept. 30, 1952. Class 12.
- 568,734. Preformed Metallic Sink and Lavatory Frames Used as Liquid-Tight Moldings Between the Rims of Cabinet-Type Sinks and Lavatories and the Abutting Edges of Linoleum Coverings. The B & T Metals Company, Columbus, Ohio.
Filed Aug. 4, 1950, Serial No. 601,707. Published Sept. 30, 1952. Class 12.
- 568,735. Detergents in the Form of a Viscous Liquid for General Use and Having the Properties of Lowering Surface Tension, Etc. E. F. Drew & Co., Inc., New York, N. Y.
Filed Aug. 4, 1950, Serial No. 601,717. Published Oct. 14, 1952. Class 52.
- 568,736. Electric-Motor Driven Vacuum Cleaner, Blower and Sprayer, Also Used for Applying Dry or Liquid Insecticides, Fungicides, Pesticides, and Paints; and Attachments Therefor—Namely, Nozzles, Hose, and Tanks Sold as a Unit. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Sept. 20, 1950, Serial No. 603,792. Published Aug. 12, 1952. Class 21.
- 568,737. Mixture of Distillers Dried Grains and Solubles Derived From the Residue of Cereal Grains That Have Been Employed in the Distilling of Spirits, Which Is Primarily Used as an Ingredient of Cattle, Dog, Hog, Poultry, Sheep, and Other Live Stock Feeds. National Distillers Products Corporation, New York, N. Y.
Filed Sept. 20, 1950, Serial No. 603,808. Published Oct. 7, 1952. Class 46.
- 568,738. Lithographic Printing Machinery. Rentco Incorporated, Wilmington, Del., and Philadelphia, Pa.
Filed Sept. 23, 1950, Serial No. 603,942. Published Sept. 16, 1952. Class 23.
- 568,739. Detergents and Soaps for: Toilet Use, Hands, Floors, Etc. Fuld Brothers, Inc., Baltimore, Md.
Filed Sept. 27, 1950, Serial No. 604,090. Published Oct. 14, 1952. Class 52.
- 568,740. Fountain Pens, Mechanical Pencils, and Ball Point Pens. W. A. Sheaffer Pen Company, Fort Madison, Iowa.
Filed Sept. 30, 1950, Serial No. 604,268. Published Oct. 7, 1952. Class 37.
- 568,741. Whiskey. G. F. Heublein & Bro., Inc., Hartford, Conn.
Filed Oct. 14, 1950, Serial No. 604,911. Published Sept. 23, 1952. Class 49.
- 568,742. Jeweled Clasp. Wilson M. Brady, Catonsville, Md.
Filed Oct. 30, 1950, Serial No. 605,577. Published Sept. 30, 1952. Class 28.
- 568,743. Bacon. Oscar Mayer & Co., Inc., Chicago, Ill.
Filed Nov. 4, 1950, Serial No. 605,910. Published Sept. 30, 1952. Class 46.
- 568,744. Medicinal Preparation for the Treatment of Hair—Namely, a Liquid Particularly Useful in the Medicinal Treatment for the Scalp and Hair Roots and an Aid in Controlling Dandruff. The Votana Company, Portsmouth, Ohio.
Filed Nov. 8, 1950, Serial No. 606,093. Published Oct. 14, 1952. Class 18.
- 568,745. Wheat Flour. Acme-Evans Company, Inc., Indianapolis, Ind.
Filed Nov. 29, 1950, Serial No. 607,062. Published Oct. 7, 1952. Class 46.
- 568,746. Altar Sets Including Altar Crosses, Altar Candelsticks, and Altar Vases Sold as a Set, Etc. Allan P. Lindblad, doing business as Sudbury Brass Goods Company, Boston, Mass.; Madeleine Lindblad, Winchester, and Harold N. Anderson, Arlington, Mass., executors of said Allan P. Lindblad, deceased.
Filed Dec. 7, 1950, Serial No. 607,389. Published Oct. 7, 1952. Class 59.
- 568,747. Tire-Buffing Machine—Namely, a Machine for Buffing the Tread Zone of a Tire Preliminary to a Retreading Operation. Gray Company, Inc., Minneapolis, Minn.
Filed Feb. 2, 1951, Serial No. 609,550. Published Sept. 16, 1952. Class 23.
- 568,748. Paper and Glassine Bags, Paper and Glassine Merchandise Envelopes, and Paper Drinking Cups. The American Paper Goods Company, Kensington, Conn.
Filed Feb. 3, 1951, Serial No. 609,584. Published Sept. 30, 1952. Class 2.
- 568,749. All Purpose Deep Cream, Astringent Lotion, Compressed Face Powder, Loose Face Powder, Cologne, Lip-Stick, Eye Shadow Cream, Mascara, and Eye Brow Pencils. May MacGregor, New York, N. Y., assignor to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware.
Filed Feb. 3, 1951, Serial No. 609,597. Published Sept. 30, 1952. Class 51.
- 568,750. Antiseptic Pharmaceutical Preparation for the Treatment of the Oral Cavity, Etc. Aram A. Krajan, doing business as Ora-Magic Co., Los Angeles, Calif.
Filed Feb. 5, 1951, Serial No. 609,654. Published Sept. 23, 1952. Class 18.
- 568,751. Peanut Butter, Salted Nut Meats, and Candy. John W. Leavitt Company, Boston, Mass.
Filed Feb. 6, 1951, Serial No. 609,685. Published Oct. 7, 1952. Class 46.
- 568,752. Electric Lighting Fixtures. Imperial Lighting Products Company, Inc., Greensburg, Pa.
Filed Feb. 10, 1951, Serial No. 609,925. Published Sept. 23, 1952. Class 21.
- 568,753. Disinfectant. The Gerson-Stewart Corporation Company, Cleveland, Ohio.
Filed Feb. 13, 1951, Serial No. 610,014. Published Oct. 14, 1952. Class 6.
- 568,754. Assorted Candles. The Ohio Confection Company, also doing business as Ohio Confection Sales Co., Cleveland, Ohio.
Filed Feb. 14, 1951, Serial No. 610,091. Published Oct. 7, 1952. Class 46.
- 568,755. Incense. Kotake Company, Limited, Honolulu, Territory of Hawaii.
Filed Feb. 19, 1951, Serial No. 610,277. Published Oct. 14, 1952. Class 6.
- 568,756. Plastic Garment Storage Bag. Rassenfoss Bag Company, Glenview, Ill.
Filed Feb. 20, 1951, Serial No. 610,338. Published Sept. 9, 1952. Class 2.
- 568,757. X-Ray Diagnostic Medium for Internal Administration. Schering Corporation, Bloomfield, N. J.
Filed Feb. 23, 1951, Serial No. 610,466. Published Oct. 21, 1952. Class 18.
- 568,758. Wines. Flagstaff Foods, Perth Amboy, N. J.
Filed Feb. 27, 1951, Serial No. 610,547. Published Sept. 23, 1952. Class 47.
- 568,759. Garment Bags, Shoe Bags, Laundry Bags, Shelf Boxes, Hat Boxes, Clothing Bags, Shoe Boxes, Hat Bags, and Lingerie Bags Made of Synthetic Plastic Sheeting. Protex Products Company, Inc., Jersey City, N. J.
Filed Feb. 27, 1951, Serial No. 610,582. Published Sept. 30, 1952. Class 2.

- 568,760. Prime Movers of the Electrical Type, Etc. Paolo Trombetta, Milwaukee, Wis.
Filed Feb. 27, 1951, Serial No. 610,595. Published Sept. 23, 1952. Class 21.
- 568,761. Prime Movers of the Electrical Type—Namely, Prime Movers of the Type Comprising an Armature Movable Along the Arc of a Circle, Etc. Paolo Trombetta, Milwaukee, Wis.
Filed Feb. 27, 1951, Serial No. 610,596. Published Sept. 23, 1952. Class 21.
- 568,762. Hair Tonic. Joseph S. Valcourt, Fall River, Mass.
Filed Mar. 6, 1951, Serial No. 610,931. Published Sept. 23, 1952. Class 51.
- 568,763. Plastic Receptacles and Housewares—Namely, Knife Holders, Bowls With and Without Covers, Etc. Republic Molding Corporation, Chicago, Ill.
Filed Mar. 9, 1951, Serial No. 611,106. Published Oct. 7, 1952. Class 2.
- 568,764. Facial Tissues, Toilet Tissues, and Paper Towels. Modern Tissues Corp., New York, N. Y.
Filed Mar. 10, 1951, Serial No. 611,138. Published Oct. 7, 1952. Class 37.
- 568,765. Steel Boxes in the Nature of Material Handling Equipment Used on Skids, Etc. Truscon Steel Company, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.
Filed Mar. 12, 1951, Serial No. 611,202. Published Sept. 30, 1952. Class 2.
- 568,766. Press Pads and Covers. United States Hoffman Machinery Corporation, Syracuse and New York, N. Y.
Filed Mar. 15, 1951, Serial No. 611,386. Published Oct. 7, 1952. Class 24.
- 568,767. Hand-Held Feed-Through Rheostat Electric Switches, Particularly Adapted for Use With Heating Pads. Casco Products Corporation, Bridgeport, Conn.
Filed Mar. 17, 1951, Serial No. 611,471. Published Sept. 30, 1952. Class 21.
- 568,768. Shower Doors. Flat Metal Manufacturing Company, Franklin Park, Ill.
Filed Mar. 19, 1951, Serial No. 611,509. Published Sept. 30, 1952. Class 12.
- 568,769. Thermosetting Plastic Refractory Material Which Is Used (for Example, but Not Limited Therein) for Lining Foundry Ladles, Spouts and Runners, and Metallurgical Furnaces, and for Patching Cupolas. Pilbrico Jointless Firebrick Company, Chicago, Ill., now by change of name Pilbrico Company.
Filed Apr. 6, 1951, Serial No. 612,348. Published Sept. 16, 1952. Class 12.
- 568,770. Paper Cups and Paper Cartons for Ice Cream, Foods, and Beverages. Dixie Cup Company, Easton, Pa.
Filed Apr. 7, 1951, Serial No. 612,368. Published Sept. 30, 1952. Class 2.
- 568,771. Carbonated Water. Pacific Brewing and Malt-Ing Co., also doing business as Calso Water Co., San Francisco, Calif.
Filed Apr. 20, 1951, Serial No. 612,927. Published Sept. 23, 1952. Class 45.
- 568,772. Neutral Sausage Casings Sold as Such. Ohio Natural Casing and Supply Co., Newark, Ohio.
Filed Apr. 23, 1951, Serial No. 613,018. Published Sept. 9, 1952. Class 2.
- 568,773. Analgesic, Antiseptic, and Decongestive Preparation for Topical Application. Winthrop-Stearns Inc., New York, N. Y.
Filed Apr. 27, 1951, Serial No. 613,277. Published Oct. 21, 1952. Class 18.
- 568,774. Candles. Henry Helde, Incorporated, New York, N. Y.
Filed May 1, 1951, Serial No. 613,372. Published Sept. 23, 1952. Class 46.
- 568,775. Liquid Rubber Cement for Attaching Rubber Gasketing and Weather Strips. Chase Blum, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Cincinnati, Ohio.
Filed May 11, 1951, Serial No. 613,758. Published Oct. 14, 1952. Class 5.
- 568,776. Non-Carbonated, Non-Alcoholic Maltless Soft Drink and a Concentrate for Making the Same. Kathryn C. Spielmann, Park Ridge, Ill., assignor to Deri-del Inc., Ontario, Calif., a corporation of California.
Filed May 15, 1951, Serial No. 613,887. Published Sept. 23, 1952. Class 45.
- 568,777. Candy. Joseph B. Downey, doing business under the name Peppy Bits, Boston, Mass.
Filed May 16, 1951, Serial No. 613,907. Published Sept. 16, 1952. Class 46.
- 568,778. Scotch Whisky. Grierson, Oldham & Co. Ltd., London, England.
Filed May 17, 1951, Serial No. 613,987. Published Sept. 23, 1952. Class 49.
- 568,779. Face Powder With Sulfur, Talcum Powder With Sulfur, and Medicated Face Cream. Marcelle Cosmetics, Inc., Chicago, Ill.
Filed May 19, 1951, Serial No. 614,089. Published Oct. 21, 1952. Class 51.
- 568,780. Liquid Sun-Filtering Skin Coating. Frank Flitta, Wallingford, Pa.
Filed May 23, 1951, Serial No. 614,246. Published Sept. 30, 1952. Class 51.
- 568,781. Hog Feeds, Dairy Feed, Poultry Feed, Rabbit Feeds, Horse and Mule Feeds, and Corn Meal. Lipscomb Grain & Seed Co. Inc., doing business under the style name of Lipscomb Grain & Seed Co., Springfield, Mo.
Filed May 23, 1951, Serial No. 614,257. Published Oct. 7, 1952. Class 46.
- 568,782. Calking Compound. Vital Products Manufacturing Company, Cleveland, Ohio.
Filed May 29, 1951, Serial No. 614,528. Published Sept. 30, 1952. Class 12.
- 568,783. Food Specialties—Namely, Crab Cutlets, Chicken Pies, Lobster Cutlets, Chicken Cutlets, Beef Pies, Deviled Clams, and Oyster Pies. Vollmer's Food Specialties, Inc., Ardmore, Pa.
Filed June 1, 1951, Serial No. 614,639. Published Sept. 30, 1952. Class 46.
- 568,784. Finger Rings. Phil-G. Ruvelson Inc., Minneapolis, Minn.
Filed June 6, 1951, Serial No. 614,846. Published Sept. 23, 1952. Class 28.
- 568,785. Products To Be Applied to the Face Before and After Shaving—Namely, Face Lotions, Skin Lotions, and Skin Creams. Emil Gantner, doing business as Bloc-Products Co., Zurich, Switzerland.
Filed June 7, 1951, Serial No. 614,875. Published Sept. 30, 1952. Class 51.
- 568,786. Pharmaceutical Chemicals and Specialties of All Kinds, Etc. Farbwerke Hoechst, vormals Meister Lucius & Bruning, Frankfurt (Main)-Hoechst, Germany.
Filed Apr. 24, 1951, Serial No. 614,913. Published Sept. 23, 1952. Class 18.
- 568,787. Creosote Treated Poles for the Support of Power Lines and Communication Lines. J. Nella Lumber Company, Libby, Mont.
Filed June 11, 1951, Serial No. 615,018. Published Sept. 30, 1952. Class 12.
- 568,788. Batching Plant for Concrete Constituents. The C. S. Johnson Company, Champaign, Ill.
Filed June 13, 1951, Serial No. 615,119. Published Sept. 16, 1952. Class 23.

- 568,789. Prefabricated Buildings and Parts Thereof—Namely, Wall Panels, Glazed and Unglazed; Wall Partitions; Doors; Windows; and Roof Slab Units; Shipped in Cartons or Bundles. Dairyette, Inc., Springfield, Ill.
Filed June 15, 1951, Serial No. 615,211. Published Sept. 30, 1952. Class 12.
- 568,790. Water Bags. Ozark Canvas Corp., North Little Rock, Ark.
Filed June 16, 1951, Serial No. 615,283. Published Sept. 16, 1952. Class 2.
- 568,791. Metallic Boxes for Serving and Transporting Prepared Foods. Mealpack Corporation, Evanston, Ill.
Filed June 22, 1951, Serial No. 615,503. Published Sept. 30, 1952. Class 2.
- 568,792. Metal Shos, and Metal Grain Bins. Clayton & Lambert Manufacturing Company, Louisville, Ky.
Filed June 26, 1951, Serial No. 615,091. Published Sept. 16, 1952. Class 2.
- 568,793. Non-Metallic Composition Board Panel Plates, Movable Partitions of Non-Metallic Composition Board, and Wainscot and Wall Lining Panels of Non-Metallic Composition Board. The E. F. Hanserman Company, Cleveland, Ohio.
Filed June 27, 1951, Serial No. 615,774. Published Sept. 30, 1952. Class 12.
- 568,794. Purses, Wallets, and Pocketbooks. Klog Leathers Incorporated, Indiana, Pa.
Filed June 28, 1951, Serial No. 615,838. Published Oct. 7, 1952. Class 3.
- 568,795. Partially Printed Business Forms. Ditto, Incorporated, Chicago, Ill.
Filed June 30, 1951, Serial No. 615,927. Published Oct. 7, 1952. Class 37.
- 568,796. Preparation Containing Vitamins Used as a Dietary Aid for Conditioning the Skin. Stanley Drug Products, Inc., Portland, Oreg.
Filed July 13, 1951, Serial No. 616,454. Published Sept. 30, 1952. Class 18.
- 568,797. Bulk Fish Hooks, Shelled Fish Hooks. Wright & McGill Co., Denver, Colo.
Filed July 16, 1951, Serial No. 616,576. Published Oct. 21, 1952. Class 22.
- 568,798. Vitamin Pills Containing Vitamin A and Medicinal Preparations, Etc. Dome Chemicals, Inc., New York, N. Y.
Filed July 17, 1951, Serial No. 616,595. Published Sept. 30, 1952. Class 18.
- 568,799. Jewelry for Personal Wear, Not Including Watches—Namely, Bracelets, Etc. Troob-Gordon Co., Providence, R. I.
Filed July 20, 1951, Serial No. 616,739. Published Sept. 30, 1952. Class 28.
- 568,800. Jewelry for Personal Wear, Not Including Watches—Namely, Bracelets, Watch Bracelets, Watch Chains, Etc. W. & H. Jewelry Company, Providence, R. I.
Filed July 20, 1951, Serial No. 616,744. Published Oct. 7, 1952. Class 28.
- 568,801. Coal. Amherst Fuel Company, Charleston, W. Va.
Filed July 25, 1951, Serial No. 616,888. Published Oct. 7, 1952. Class 1.
- 568,802. Television Receiving Sets. Motorola, Inc., Chicago, Ill.
Filed Aug. 4, 1951, Serial No. 617,351. Published Sept. 23, 1952. Class 21.
- 568,803. Toothpaste. Charles A. Smeal, doing business as Pepmint Tooth Paste Co., Mount Vernon, N. Y.
Filed Aug. 6, 1951, Serial No. 617,379. Published Sept. 30, 1952. Class 51.
- 568,804. Cellular Rubber Cosmetic Applicators to the Nature of Powder Puffs. Java-Tex, Inc., Chicago, Ill.
Filed Aug. 14, 1951, Serial No. 617,665. Published Oct. 14, 1952. Class 29.
- 568,805. Finger Rings and Bracelets. Donald Barry Productions, Inc., Los Angeles, Calif.
Filed Aug. 20, 1951, Serial No. 617,853. Published Sept. 23, 1952. Class 28.
- 568,806. Boxes of Pencils. Donald Barry Productions, Inc., Los Angeles, Calif.
Filed Aug. 20, 1951, Serial No. 617,857. Published Oct. 7, 1952. Class 37.
- 568,807. Vitamin-Mineral-Tablets. Ralf Morrison Spangler, doing business under the fictitious trade name of Morrison Company, Hollywood, Calif.
Filed Aug. 20, 1951, Serial No. 617,891. Published Sept. 30, 1952. Class 18.
- 568,808. Wallpaper. United Wallpaper, Inc., Chicago, Ill.
Filed Aug. 23, 1951, Serial No. 618,016. Published Oct. 7, 1952. Class 37.
- 568,809. Skylights. Wasco Flashing Co., Cambridge, Mass.
Filed Aug. 24, 1951, Serial No. 618,067. Published Sept. 30, 1952. Class 12.
- 568,810. Specially Prepared Paraffin in a Variety of Colors for the Purpose of Melting and Molding Into Howls for Various Uses for Floating Flowers, Fruit Howls, and Home Decoration. Wonder Wax Company, Fresno, Calif.
Filed Aug. 24, 1951, Serial No. 618,069. Published Oct. 21, 1952. Class 15.
- 568,811. Refined Sugar. American Molasses Company, New York, N. Y.
Filed Aug. 18, 1951, Serial No. 618,193. Published Sept. 23, 1952. Class 46.
- 568,812. Bed Sheets. Wamsutta Mills, New Bedford, Mass.
Filed Aug. 30, 1951, Serial No. 618,252. Published Oct. 14, 1952. Class 42.
- 568,813. Loud-Speaker Apparatus for Use in Connection With Telephone Receivers, Etc. John Charles Sydney Branson, Birmingham, England, assignor to Fonadek (Branson) Limited, Harborne, Birmingham, England, a British company.
Filed Sept. 6, 1951, Serial No. 618,441. Published Sept. 30, 1952. Class 21.
- 568,814. Insecticides. Max van Pels, New York, N. Y.
Filed Sept. 6, 1951, Serial No. 618,473. Published Oct. 14, 1952. Class 6.
- 568,815. Folding Cardboard Cartons and Boxes. Empire Box Corporation, Garfield, N. J.
Filed Sept. 12, 1951, Serial No. 618,696. Published Sept. 9, 1952. Class 2.
- 568,816. Clocks and Watches. General Time Corporation, New York, N. Y., and La Salle, Ill.
Filed Sept. 14, 1951, Serial No. 618,780. Published May 6, 1952. Class 27.
- 568,817. Liquid Brush-on Dye. Walter Lindenthal, doing business as The Chair-Loc Company, Lakehurst, N. J.
Filed Sept. 20, 1951, Serial No. 619,026. Published Oct. 14, 1952. Class 6.
- 568,818. Activators and Conditioners for Septic Tanks and Sewage Disposal Plants. Chemical Research Products, Inc., Seattle, Wash.
Filed Sept. 21, 1951, Serial No. 619,073. Published Oct. 14, 1952. Class 6.
- 568,819. Screen Doors. Screentite Door Co., Oakland, Calif.
Filed Sept. 22, 1951, Serial No. 619,147. Published Sept. 30, 1952. Class 12.
- 568,820. Bottles Made of Organic Thermoplastic Materials. Plax Corporation, West Hartford, Conn.
Filed Sept. 29, 1951, Serial No. 619,400. Published Oct. 7, 1952. Class 2.

- 568,821. Disposable Cleansing Cloths Moistened With Witch-Hazel Solution. Walter A. Fessler, doing business as sole proprietor under the name and style of Fessler Pharmaceutical Company, Minneapolis, Minn.
Filed Oct. 1, 1951, Serial No. 619,460. Published Oct. 14, 1952. Class 51.
- 568,822. Herring Fillets, Smoked Salmon, Pickled Fish, Smoked Fish, Spices, Soup Mix, Dill Pickles, Dilled Tomatoes, Pickled Cherry Peppers, Cocktail Sauces, Horseradish, and Canned Vegetables. Schachet Mercantile Company, Denver, Colo.
Filed Oct. 1, 1951, Serial No. 619,475. Published Oct. 14, 1952. Class 46.
- 568,823. Liquid Detergents for Dishwashing, Glass Washing, and Floor Cleaning Purposes. Peck's Products Company, St. Louis, Mo.
Filed Oct. 5, 1951, Serial No. 619,645. Published Oct. 14, 1952. Class 52.
- 568,824. Diagnostic Opaquing Preparation Adapted for Internal Administration. Lafayette Pharmacal Inc., La Fayette, Ind.
Filed Oct. 10, 1951, Serial No. 619,839. Published Sept. 23, 1952. Class 18.
- 568,825. Cultured Pearls. Paley & Thomas, Inc., New York, N. Y.
Filed Oct. 10, 1951, Serial No. 619,847. Published Sept. 30, 1952. Class 28.
- 568,826. Cathartic and Laxative Preparation. Sanford Sales Corporation, New York, N. Y.
Filed Oct. 10, 1951, Serial No. 619,853. Published Sept. 23, 1952. Class 18.
- 568,827. Hearing Aids. Normatone Hearing Aid Co., St. Paul, Minn.
Filed Oct. 15, 1951, Serial No. 620,011. Published Oct. 14, 1952. Class 44.
- 568,828. Cotton Piece Goods. Wamsutta Mills, New Bedford, Mass.
Filed Oct. 18, 1951, Serial No. 620,181. Published Oct. 14, 1952. Class 42.
- 568,829. Solutions for Parenteral Use Comprising: Sodium Citrate, Dextrose, Etc. Don Baxter, Inc., Glendale, Calif.
Filed Oct. 22, 1951, Serial No. 620,298. Published Oct. 21, 1952. Class 18.
- 568,830. Sorority Pins, Finger Rings, and Badges, Made in Whole or in Part of Precious Metal. Theta Sigma Upsilon Sorority, Denver, Colo.
Filed Oct. 30, 1951, Serial No. 620,899. Published Sept. 23, 1952. Class 28.
- 568,831. Fabric in the Piece of Cotton and Synthetic Fibers. Chicopee Mills, Inc., New York, N. Y.
Filed Nov. 2, 1951, Serial No. 620,801. Published Oct. 14, 1952. Class 42.
- 568,832. Medicinal Preparation—Namely, a Geriatric Vitamin Formula. The Mara Laboratories, Inc., Harrison, N. J.
Filed Nov. 7, 1951, Serial No. 620,967. Published Oct. 21, 1952. Class 18.
- 568,833. Coatings of Ceramic in Dry Powdered Form Known to the Trade as Frit, and in Liquid Form Known to the Trade as Slurry. Solar Aircraft Company, San Diego, Calif.
Filed Nov. 7, 1951, Serial No. 620,973. Published Sept. 30, 1952. Class 12.
- 568,834. Coatings of Ceramic in Dry Powdered Form Known to the Trade as Frit, and in Liquid Form Known to the Trade as Slurry. Solar Aircraft Company, San Diego, Calif.
Filed Nov. 7, 1951, Serial No. 620,974. Published Sept. 30, 1952. Class 12.
- 568,835. Cream Shampoo and Liquid Shampoo. Amole, Incorporated, Tipp City, Ohio.
Filed Nov. 8, 1951, Serial No. 620,991. Published Sept. 30, 1952. Class 52.
- 568,836. Adhesives Based on Nitrocellulose, on Natural or Synthetic Rubber, or on Synthetic Resins. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Nov. 9, 1951, Serial No. 621,057. Published Oct. 14, 1952. Class 5.
- 568,837. Sweet Apple Cider. Indian Summer, Inc., Evansville, Ind.
Filed Nov. 9, 1951, Serial No. 621,064. Published Sept. 23, 1952. Class 45.
- 568,838. Enteric Coated Tablets Containing Sodium Salicylate U. S. P., Vitamin C, and Para-Aminobenzoic Acid (as the Sodium Salt), Etc. Meyers & Rosner, Dallas, Tex.
Filed Nov. 9, 1951, Serial No. 621,077. Published Sept. 23, 1952. Class 18.
- 568,839. Gasoline. The Atlantic Refining Company, Philadelphia, Pa.
Filed Nov. 14, 1951, Serial No. 621,193. Published Oct. 21, 1952. Class 15.
- 568,840. Hair Conditioner and Hair Wave Set. Violet Clayson, doing business as The Figaro Co., Burbank, Calif.
Filed Nov. 19, 1951, Serial No. 621,388. Published Sept. 30, 1952. Class 51.
- 568,841. Hair Coloring. Israel A. Popelowsky, trading as Pop's Chemical Laboratory, Brooklyn, N. Y.
Filed Nov. 20, 1951, Serial No. 621,478. Published Sept. 30, 1952. Class 51.
- 568,842. Laxative Preparation for Human Use. Karl H. Sautter, doing business as Leo Products, Chicago, Ill.
Filed Nov. 23, 1951, Serial No. 621,581. Published Sept. 23, 1952. Class 18.
- 568,843. Preparation of Corticotropin. E. R. Squibb & Sons, New York, N. Y.
Filed Nov. 27, 1951, Serial No. 621,732. Published Oct. 21, 1952. Class 18.
- 568,844. Laxative Preparation for Human Use. Karl H. Sautter, Chicago, Ill.
Filed Nov. 28, 1951, Serial No. 621,787. Published Sept. 30, 1952. Class 18.
- 568,845. Diaries. Donovan Enterprises, Saugatuck, Conn.
Filed Dec. 6, 1951, Serial No. 622,148. Published Oct. 7, 1952. Class 37.
- 568,846. Bond Paper. Saxon Paper Products Inc., New York, N. Y.
Filed Dec. 7, 1951, Serial No. 622,228. Published Oct. 7, 1952. Class 37.
- 568,847. Nonmechanical Pencils. Kingston Pencil Corporation, Chattanooga, Tenn.
Filed Dec. 15, 1951, Serial No. 622,546. Published Oct. 7, 1952. Class 37.
- 568,848. Brandy. A. Lyon & Sons, Beverly Hills, Calif.
Filed Dec. 17, 1951, Serial No. 622,606. Published Sept. 23, 1952. Class 49.
- 568,849. Variable Resistors. Clarostat Mfg. Co., Inc., Dover, N. H.
Filed Dec. 22, 1951, Serial No. 622,773. Published Sept. 23, 1952. Class 21.
- 568,850. Fresh Belgian Chicory. Pierre H. Signore Co., Inc., New York, N. Y.
Filed Dec. 29, 1951, Serial No. 623,015. Published Sept. 23, 1952. Class 46.
- 568,851. Watch Bracelets (Not Including Watches). Spedel Corporation, Providence, R. I.
Filed Dec. 29, 1951, Serial No. 623,018. Published Sept. 23, 1952. Class 28.
- 568,852. Handles for Luggage. Philadelphia Brief Case Co., Philadelphia, Pa.
Filed Dec. 31, 1951, Serial No. 623,032. Published Oct. 7, 1952. Class 3.

- 568,853. Paper Napkins. Erving Paper Mills, Erving, Mass.
Filed Jan. 4, 1952, Serial No. 623,187. Published Oct. 7, 1952. Class 37.
- 568,854. Educational Board Game Played With Movable Parts Including Practice Sheets. Gilbert Stillman Macvaugh, Chevy Chase, Md.
Filed Jan. 7, 1952, Serial No. 623,281. Published Oct. 14, 1952. Class 22.
- 568,855. Watch Bracelets (Not Including Watches). Spedel Corporation, Providence, R. I.
Filed Jan. 9, 1952, Serial No. 623,377. Published Sept. 23, 1952. Class 28.
- 568,856. Chalk Crayon. Binney & Smith Company, New York, N. Y.
Filed Jan. 22, 1952, Serial No. 623,870. Published Oct. 7, 1952. Class 37.
- 568,857. Sterling Silver Table Ware Consisting of Flatware and Hollow-Ware. The International Silver Company, Meriden, Conn.
Filed Jan. 23, 1952, Serial No. 623,962. Published Sept. 30, 1952. Class 28.
- 568,858. Concentrate Used in Making an Orange-Flavored Maltless Soft Drink. Jean Marn, Los Angeles, Calif.
Filed Jan. 28, 1952, Serial No. 624,143. Published Sept. 23, 1952. Class 45.
- 568,859. Plastic Patch Repair Kits Comprising Plastic Patches and Cement for Mending Plastic Articles. Matthew Smith, trading as Flamingo, Kearny, N. J.
Filed Jan. 26, 1952, Serial No. 624,163. Published Oct. 14, 1952. Class 5.
- 568,860. Hand Cleanser. Rubberet Company, Newark, N. J.
Filed Feb. 9, 1952, Serial No. 624,761. Published Sept. 23, 1952. Class 52.
- 568,861. Instant Coffee. Dry-Freeze Corporation, Chicago, Ill.
Filed Feb. 11, 1952, Serial No. 624,779. Published Sept. 23, 1952. Class 46.
- 568,862. Bracelets, Earrings, Necklaces, Lapel and Breast Pins, Watch Bands, Wedding Bands, Key Chains, Watch Chains, Cufflinks and Tie Clasps Wholly and Partly Made of Precious Metal and Plated With Precious Metal, Silver Hollowware, and Silver Flatware. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed Feb. 12, 1952, Serial No. 624,822. Published Sept. 30, 1952. Class 28.
- 568,863. Handbags. Fran-Stef Manufacturing Co., New York, N. Y.
Filed Feb. 15, 1952, Serial No. 625,009. Published Oct. 7, 1952. Class 3.
- 568,864. Handbags. Fran-Stef Manufacturing Co., New York, N. Y.
Filed Feb. 15, 1952, Serial No. 625,010. Published Oct. 7, 1952. Class 3.
- 568,865. Paper Towels and Toilet Tissue. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,176. Published Oct. 7, 1952. Class 37.
- 568,866. Wallets, Purses, Billfolds, and Pocketbooks. Nash Inc., Jersey City, N. J., and Paris, France.
Filed Feb. 19, 1952, Serial No. 625,213. Published Oct. 7, 1952. Class 3.
- 568,867. Mailing Envelopes, Writing Paper. Alphons J. Hackl, Washington, D. C.
Filed Feb. 20, 1952, Serial No. 625,269. Published Oct. 7, 1952. Class 37.
- 568,868. Costume Jewelry—Namely, Bracelets, Necklaces, Brooch and Lapel Pins, Earrings, Pin and Earring Sets, and Chatelaines. David Jacobs, Lincoln, Nebr.
Filed Feb. 1, 1952, Serial No. 625,313. Published Sept. 30, 1952. Class 28.
- 568,869. Sudsing Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Feb. 23, 1952, Serial No. 625,437. Published Sept. 30, 1952. Class 52.
- 568,870. Fish Hook Holder and Protector. The Gilebe Co., Brooklyn, N. Y.
Filed Feb. 2, 1952, Serial No. 625,559. Published Oct. 14, 1952. Class 22.
- 568,871. Acid Resistant Cement Consisting of Powder and Solution, Etc. Chemical Linings, Inc., Watertown, N. Y.
Filed Feb. 27, 1952, Serial No. 625,581. Published Sept. 23, 1952. Class 12.
- 568,872. Metal Detergent. Haas Miller Corporation, Philadelphia, Pa.
Filed Feb. 27, 1952, Serial No. 625,595. Published Sept. 30, 1952. Class 52.
- 568,873. Cleaners for Textiles, Plastics, Wood, Linoleum, Ceramics, and Rubber, and Hand Cleaner. Haas Miller Corporation, Philadelphia, Pa.
Filed Feb. 27, 1952, Serial No. 625,598. Published Sept. 30, 1952. Class 52.
- 568,874. Mixtures of Cement, Sand, and Aggregate; Cement and Sand; and Cement, Sand, and Mortar. Sakrete, Inc., St. Bernard, Ohio.
Filed Feb. 27, 1952, Serial No. 625,632. Published Sept. 23, 1952. Class 12.
- 568,875. Graphite Base Pipe Joint Compound, Refractory Coatings, and High Temperature Cements. Elraco Engineering Company, Hoboken, N. J.
Filed Feb. 28, 1952, Serial No. 625,668. Published Sept. 23, 1952. Class 12.
- 568,876. Canned Salmon. New England Fish Company, Seattle, Wash.
Filed Feb. 28, 1952, Serial No. 625,686. Published Sept. 23, 1952. Class 46.
- 568,877. Rayon Piece Goods. William Heller, Inc., New York, N. Y.
Filed Mar. 1, 1952, Serial No. 625,801. Published Oct. 14, 1952. Class 42.
- 568,878. Watch Bracelets (Not Including Watches). Spedel Corporation, Providence, R. I.
Filed Mar. 1, 1952, Serial No. 625,828. Published Sept. 30, 1952. Class 28.
- 568,879. Building Blocks Used in the Construction of Commercial Buildings. Frank J. Kenedy, doing business under the name and style of Kenedy Building Products, Plymouth, Mich.
Filed Mar. 5, 1952, Serial No. 625,984. Published Sept. 30, 1952. Class 12.
- 568,880. Skin Cream. Lejon Freres, Inc., Philadelphia, Pa.
Filed Mar. 5, 1952, Serial No. 625,987. Published Sept. 30, 1952. Class 51.
- 568,881. Perfume and Eau de Cologne. Bourjols, Inc., New York, N. Y.
Filed Mar. 6, 1952, Serial No. 626,020. Published Sept. 30, 1952. Class 51.
- 568,882. Canned Pears. Yakima County Horticultural Union, Yakima, Wash.
Filed Mar. 6, 1952, Serial No. 626,066. Published Sept. 23, 1952. Class 46.
- 568,883. Unsensitized Photographic Paper. The Autotype Company, Limited, London, England.
Filed Mar. 7, 1952, Serial No. 626,071. Published Oct. 14, 1952. Class 37.
- 568,884. Macaroni. Frank Votello, Brooklyn, N. Y.
Filed Mar. 8, 1952, Serial No. 626,183. Published Sept. 23, 1952. Class 46.
- 568,885. Medicated Dandruff Remover, Medicated Skin Cream and Lotion for Treating Acne, Skin Blemishes, and Blackheads and Topical Lotion for Psoriasis. Galen Laboratories, Pittsburgh, Pa.
Filed Mar. 11, 1952, Serial No. 626,238. Published Oct. 21, 1952. Class 18.

- 568,886. Padlocks and Keys Therefor. Independent Lock Company, Fitchburg, Mass.
Filed Mar. 12, 1952, Serial No. 626,293. Published Oct. 14, 1952. Class 25.
- 568,887. Paper Napkins, Toilet Paper, and Paper Towels. Erving Paper Mills, Erving, Mass.
Filed Mar. 12, 1952, Serial No. 626,318. Published Oct. 7, 1952. Class 37.
- 568,888. Roofing Shingles. The Flintkote Company, New York, N. Y.
Filed Mar. 12, 1952, Serial No. 626,319. Published Sept. 30, 1952. Class 12.
- 568,889. Ale and Porter. Molson's Brewery Limited, Montreal, Quebec, Canada.
Filed Mar. 13, 1952, Serial No. 626,400. Published Oct. 7, 1952. Class 48.
- 568,890. Electrically Heated Water Heaters. Clayton & Lambert Manufacturing Company, Louisville, Ky.
Filed Mar. 14, 1952, Serial No. 626,442. Published Sept. 23, 1952. Class 21.
- 568,891. Electrically Heated Water Heaters. Clayton & Lambert Manufacturing Co., Louisville, Ky.
Filed Mar. 14, 1952, Serial No. 626,443. Published Sept. 23, 1952. Class 21.
- 568,892. Electrical Recording and Reproducing Apparatus for Recording and Reproducing Embossed or Cut Sound-on-Film Sound Records. Daystrom, Incorporated, Elizabeth, N. J.
Filed Mar. 14, 1952, Serial No. 626,445. Published Sept. 30, 1952. Class 21.
- 568,893. Electric Blankets. Textron Incorporated, Providence, R. I.
Filed Mar. 14, 1952, Serial No. 626,481. Published Sept. 30, 1952. Class 21.
- 568,894. Solidified Air Freshening Deodorant. Seeman Brothers, Inc., New York, N. Y.
Filed Mar. 15, 1952, Serial No. 626,541. Published Oct. 14, 1952. Class 6.
- 568,895. Preparation for Use in the Treatment of Gastrointestinal Disorders, Particularly Those Resulting From Insufficient Secretion of Bile or Disturbance in Biliary Flow Not Due to Mechanical Obstruction. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Mar. 15, 1952, Serial No. 626,542. Published Sept. 30, 1952. Class 18.
- 568,896. Penicillin in Candy Form. Bristol Laboratories Inc., New York and Syracuse, N. Y.
Filed Mar. 18, 1952, Serial No. 626,603. Published Sept. 30, 1952. Class 18.
- 568,897. Knitted Textile Fabrics Made of Cotton, Wool, Rayon, Nylon, and Mixtures of the Same, in the Piece. Fair Tex Mills, Inc., Catawauqua, Pa., and New York, N. Y.
Filed Mar. 18, 1952, Serial No. 626,613. Published Oct. 14, 1952. Class 42.
- 568,898. Synthetic Hormone Preparation for Treatment of Endocrine Dysfunction, in Ampule and Tablet Form. G. D. Searle & Co., Skokie, Ill.
Filed Mar. 18, 1952, Serial No. 626,643. Published Sept. 30, 1952. Class 18.
- 568,899. Bacon, Sausage, Cured Ham, Lard, Cooked Ham, Pork Shoulder Butts, Etc. The Smithfield Packing Company, Incorporated, Smithfield, Va.
Filed Mar. 18, 1952, Serial No. 626,644. Published Oct. 7, 1952. Class 46.
- 568,900. Vehicle Storage Batteries. The Dayton Rubber Company, Dayton, Ohio.
Filed Mar. 19, 1952, Serial No. 626,659. Published Sept. 30, 1952. Class 21.
- 568,901. Cotton Carpeting. E. T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga.
Filed Mar. 21, 1952, Serial No. 626,777. Published Oct. 14, 1952. Class 42.
- 568,902. Cotton Carpeting. E. T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga.
Filed Mar. 21, 1952, Serial No. 626,778. Published Oct. 14, 1952. Class 42.
- 568,903. Compounds Used as Vulcanization Accelerators in the Curing of Rubber Articles. Monsanto Chemical Company, St. Louis, Mo.
Filed Mar. 21, 1952, Serial No. 626,813. Published Oct. 14, 1952. Class 6.
- 568,904. Compounds for Use in Rubber Particularly for the Preservation of Unvulcanized Synthetic and Natural Rubber. Monsanto Chemical Company, St. Louis, Mo.
Filed Mar. 21, 1952, Serial No. 626,814. Published Oct. 14, 1952. Class 6.
- 568,905. Textile Fabrics in the Piece Made of Wool, Cotton, Silk, Rayon, and Mixtures Thereof. Crown Fabrics Corporation, New York, N. Y.
Filed Mar. 22, 1952, Serial No. 626,863. Published Oct. 14, 1952. Class 42.
- 568,906. Fresh Parsley. Harry S. La Poff, Paterson, N. J.
Filed Mar. 22, 1952, Serial No. 626,890. Published Oct. 7, 1952. Class 46.
- 568,907. High Molecular Weight Alcohol. Monsanto Chemical Company, St. Louis, Mo.
Filed Mar. 22, 1952, Serial No. 626,897. Published Oct. 14, 1952. Class 6.
- 568,908. Canned Tuna Fish. Mei Fung Company, also doing business as M. F. Trading Company, San Francisco, Calif.
Filed Mar. 31, 1952, Serial No. 627,346. Published Sept. 30, 1952. Class 46.
- 568,909. Poplin Fabric. Angelica Uniform Company, St. Louis, Mo.
Filed Apr. 3, 1952, Serial No. 627,481. Published Oct. 14, 1952. Class 42.
- 568,910. Cocktail Sauce and Tartar Sauce. George H. Christiansen, doing business as Chris Cross Products, Newark, N. J.
Filed Apr. 3, 1952, Serial No. 627,495. Published Sept. 30, 1952. Class 46.
- 568,911. Sedative and Hypnotic Preparation. George A. Breon & Company, New York, N. Y.
Filed Apr. 4, 1952, Serial No. 627,552. Published Oct. 21, 1952. Class 18.
- 568,912. Window Draperies and Curtains. Cameo Curtains Inc., New York, N. Y.
Filed Apr. 5, 1952, Serial No. 627,623. Published Oct. 14, 1952. Class 42.
- 568,913. Cotton Piece Goods. Meb Export Co. Inc., New York, N. Y.
Filed Apr. 5, 1952, Serial No. 627,634. Published Oct. 14, 1952. Class 42.
- 568,914. Candy and Cookies. Leaf Brands, Inc., Chicago, Ill.
Filed Apr. 7, 1952, Serial No. 627,690. Published Oct. 7, 1952. Class 46.
- 568,915. Pharmaceutical Preparations Containing Penicillin. Schenley Laboratories, Inc., New York, N. Y.
Filed Apr. 11, 1952, Serial No. 627,963. Published Oct. 21, 1952. Class 18.
- 568,916. Mercurial Diuretic. Schenley Laboratories, Inc., New York, N. Y.
Filed Apr. 11, 1952, Serial No. 627,970. Published Oct. 21, 1952. Class 18.
- 568,917. Penicillin and Sulfonamides Preparation in Liquid and Tablet Form. Schenley Laboratories, Inc., New York, N. Y.
Filed Apr. 11, 1952, Serial No. 627,973. Published Oct. 21, 1952. Class 18.

- 568,918. Tablet Containing an Antacid and Sedative. Schenley Laboratories, Inc., New York, N. Y. Filed Apr. 11, 1952, Serial No. 627,974. Published Oct. 21, 1952. Class 18.
- 568,919. Antacid and Sedative Tablet. Schenley Laboratories, Inc., New York, N. Y. Filed Apr. 11, 1952, Serial No. 627,975. Published Oct. 21, 1952. Class 18.
- 568,920. Preparation Used as a Vascular Protective and Lipotropic Agent. Schenley Laboratories, Inc., New York, N. Y. Filed Apr. 11, 1952, Serial No. 627,976. Published Oct. 21, 1952. Class 18.
- 568,921. Coffee. Fleetwood Coffee Co., Chattanooga, Tenn. Filed Apr. 11, 1952, Serial No. 628,084. Published Oct. 7, 1952. Class 46.
- 568,922. Ice Cream. Safeway Stores, Incorporated, Oakland, Calif. Filed Apr. 18, 1952, Serial No. 628,298. Published Oct. 7, 1952. Class 46.
- 568,923. Luggage and Carrying Cases—Namely, Traveling Bags, Handbags, Traveling Cases, Overnight Cases, Weekend Cases, Duffle Bags, and Gladstone Bags. Schell Leather Goods Co., Inc., Cincinnati, Ohio. Filed Apr. 25, 1952, Serial No. 628,720. Published Oct. 14, 1952. Class 3.
- 568,924. Bougies Containing Antibiotics for the Treatment of Bovine Mastitis. Austin Laboratories, Inc., Buffalo, N. Y. Filed May 9, 1952, Serial No. 629,413. Published Oct. 21, 1952. Class 18.
- 568,925. Medicinal Preparation Particularly Useful as a Nasal Decongestant. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed May 12, 1952, Serial No. 629,586. Published Oct. 14, 1952. Class 18.
- 568,926. Dietary Supplement. Magnolia Pharmaceuticals, Inc., Jackson, Miss. Filed May 12, 1952, Serial No. 629,805. Published Oct. 14, 1952. Class 18.
- 568,927. Vitamin Preparation. Parke, Davis & Company, Detroit, Mich. Filed May 23, 1952, Serial No. 630,146. Published Oct. 14, 1952. Class 18.
- 568,928. Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed June 6, 1952, Serial No. 630,467. Published Oct. 14, 1952. Class 18.
- 568,929. Preparation for Treatment of Acidity. Allied Drugs, Inc., Hackensack, N. J. Filed June 14, 1952, Serial No. 630,468. Published Oct. 21, 1952. Class 18.
- 568,930. Antibiotic Derivative. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed May 29, 1952, Serial No. 630,472. Published Oct. 14, 1952. Class 18.
- 568,931. Antibiotic Derivative. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed May 29, 1952, Serial No. 630,474. Published Oct. 21, 1952. Class 18.
- 568,932. Cotton Pile Goods. United Hosiery Mills Corporation, Chattanooga, Tenn. Filed June 5, 1952, Serial No. 630,814. Published Oct. 14, 1952. Class 42.
- 568,933. Geriatric Dietary Supplement. Pharmaceuticals, Inc., Newark, N. J. Filed June 9, 1952, Serial No. 630,950. Published Oct. 21, 1952. Class 18.
- 568,934. Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed June 24, 1952, Serial No. 631,086. Published Oct. 21, 1952. Class 18.
- 568,935. Pharmaceutical Preparation Consisting of a Ferment System Increasing the Permeability of Connective Tissue (Spreading Factor), Etc. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed June 14, 1952, Serial No. 631,199. Published Oct. 21, 1952. Class 18.
- 568,936. Pharmaceutical Preparation for Use as a Cytostatic and Bacteriostatic. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed June 14, 1952, Serial No. 631,201. Published Oct. 21, 1952. Class 18.
- 568,937. Antimalarial Preparation. American Cyanamid Company, New York, N. Y. Filed July 10, 1952, Serial No. 632,341. Published Oct. 21, 1952. Class 18.
- 568,938. Dietary Supplement. Jeral Products, Inc., Chicago, Ill. Filed July 24, 1952, Serial No. 632,985. Published Oct. 21, 1952. Class 18.
- 568,939. Feed Supplement for Animal Feeds Consisting of Arsanilic Acid, Compositions Containing Arsanilic Acid, and Compositions Containing Derivatives of Arsanilic Acid. Abbott Laboratories, North Chicago, Ill. Filed July 25, 1952, Serial No. 633,026. Published Oct. 21, 1952. Class 18.
- 568,940. Medical Preparation in Capsule Form for Use in Treatment of Cases of Vitamin and Mineral Deficiencies, Particularly During Pregnancy and Lactation. Drug Specialties, Incorporated, Winston-Salem, N. C. Filed July 28, 1952, Serial No. 633,147. Published Oct. 21, 1952. Class 18.
- 568,941. Liquid Antihistaminic Cough Syrup. Rhodex Pharmaceutical Co., Inc., Cleveland, Ohio. Filed July 30, 1952, Serial No. 633,272. Published Oct. 21, 1952. Class 18.
- 568,942. Ganglionic Blocking Agent Marketed in the Form of Tablets and Syrup for Oral Administration and Solutions for Parenteral Injection. Ciba Pharmaceutical Products, Inc., Summit, N. J. Filed Aug. 4, 1952, Serial No. 633,447. Published Oct. 21, 1952. Class 18.

Service Marks

- 568,943. The Custom Fabrication of Containers. General Box Company, Chicago, Ill. Filed Aug. 24, 1950, Serial No. 602,685. Published Oct. 14, 1952. Class 106.
- 568,944. Entertainment Through the Medium of an Integrated Series of Dramatic Radio Programs Broadcast From Time to Time. Phillips H. Lord, Inc., New York, N. Y. Filed Dec. 27, 1950, Serial No. 608,115. Published Oct. 14, 1952. Class 107.
- 568,945. Entertainment Through the Medium of an Integrated Series of Dramatic Radio Programs Broadcast From Time to Time. Phillips H. Lord, Inc., New York, N. Y. Filed Dec. 27, 1950, Serial No. 608,116. Published Oct. 14, 1952. Class 107.
- 568,946. Entertainment Through the Medium of an Integrated Series of Dramatic Radio Programs Broadcast From Time to Time. Phillips H. Lord, Inc., New York, N. Y. Filed Dec. 27, 1950, Serial No. 608,117. Published Oct. 14, 1952. Class 107.
- 568,947. Making Home Loans, Accepting Savings for Deposits for Depositors or Residents of the State of Minnesota and other States Within the United States. The Minneapolis Savings and Loan Association, Minneapolis, Minn. Filed Dec. 27, 1950, Serial No. 608,120. Published Oct. 14, 1952. Class 102.

- 568,948. Registering Calves, Colts, Kids, Shoats, Pups, and Other Animals Begotten by Artificial Insemination, Etc. L. W. Blair, doing business under the name of Proof of Parentage Association, Pocahontas, Iowa. Filed Jan. 23, 1951, Serial No. 609,118. Published Oct. 14, 1952. Class 100.
- 568,949. Services in the Nature of Escorted Camping Trips. Camping, Inc., doing business as Camp Thunderbird, St. Louis, Mo. Filed Apr. 25, 1951, Serial No. 613,116. Published Oct. 14, 1952. Class 100.
- 568,950. Radio Broadcasting of Weather Reports. South Shore Broadcasting Company, Quincy, Mass. Filed Sept. 20, 1951, Serial No. 619,040. Published Oct. 14, 1952. Class 104.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

- 568,951. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Frank A. Hart, doing business as 14 Plus Safety Razor Co., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 10, 1947; amended to application, Supplemental Register, Nov. 15, 1951, Serial No. 537,453.

14 PLUS

For Razors and Razor Blades.
Claims use since Sept. 1, 1947.

- 568,952. (Class 26. Measuring and Scientific Appliances.) Paul Van Drimmelen, doing business as Franklin Optical Company, Buffalo, N. Y. Original filed, act of 1946, Principal Register, July 10, 1948; amended to application, Supplemental Register, Oct. 7, 1949, Serial No. 561,978.

Beach No - Line

- Applicant claims ownership of Registrations Nos. 410,715, 410,853, and 411,152.
For Eyeglass Lenses.
Claims use since Feb. 1, 1946.

- 568,953. (Class 26. Measuring and Scientific Appliances.) Aktiebolaget Baltic, Stockholm, Sweden. Original filed, act of 1946, Principal Register, Aug. 23, 1948; amended to application, Supplemental Register, May 9, 1952, Serial No. 564,090.

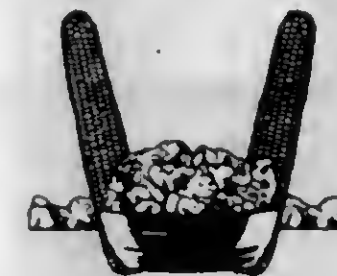
BALTIC

- Applicant claims ownership of Swedish Registration No. 63,637, dated Nov. 28, 1947.
For Linear Measuring Calipers for Machinists.

- 568,954. (Class 26. Measuring and Scientific Appliances.) Penny Pendleton, Inc., Clayton, Mo. Original filed, act of 1946, Principal Register, June 3, 1949; amended to application, Supplemental Register, Oct. 21, 1950, Serial No. 579,941.

SPEC-CHAIN

- For Retainers for Eyeglasses Which Include a Chain-Like Portion, Some of Which Are Plated, Filled, or Finished With Precious Metals.
Claims use since Oct. 14, 1948.



The drawing is lined for shading purposes. The trademark is a design that consists of a wide but shallow receptacle heaped full to overflowing with popcorn that has been "popped," two spaced apart ears of corn that are partially overlain and obscured by the "popped" corn and the receptacle, and kernels of "popped" corn partially overlain and obscured by the ears of corn. The ears are generally vertically directed but incline away from each other adjacent their upper ends. The kernels of "popped" corn are above the level of the bottoms of the ears of corn, and the bottoms of the ears of corn are above the level of the bottom of the receptacle.

For Raw Popcorn.
Claims use since Sept. 19, 1944.

- 568,956. (Class 46. Foods and Ingredients of Foods.) Old Danmark, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 18, 1950; amended to application, Supplemental Register, May 22, 1952, Serial No. 592,719.



The words "Food Specialties" are disclaimed.
For Salads—Namely, Fresh Lobster Salad, Herring Salad, Summer Salad (Cream Cheese, Pot Cheese, Chives, Cucumbers, and Radishes), Fresh Garden Salad, Cole Slaw, and Potato Salad; Sandwiches, Cakes, and Cookies; Candles; Canned Salmon and Cheeses.
Claims use since Apr. 9, 1941.

568,957. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Markwell Manufacturing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 3, 1950; amended to application, Supplemental Register, Oct. 16, 1952, Serial No. 598,536.

Staple Bound



For Staples Used for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal Together, Also for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal on to Wood.

Claims use since May 10, 1950.

568,958. (Class 2. Receptacles.) P. L. Andrews Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 13, 1950; amended to application, Supplemental Register, Aug. 1, 1952, Serial No. 606,252.

ANDREWS ARMOR-EDGE MAILER

For Merchandise Envelopes.
Claims use since July 27, 1950.

568,959. (Class 18. Medicines and Pharmaceutical Preparations.) American Institute of Dermatology, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 6, 1950; amended to application, Supplemental Register, Sept. 23, 1952, Serial No. 607,307.

ACNAY

For Acne Ointment for the Skin.
Claims use since Nov. 21, 1950.

568,960. (Class 41. Canes, Parasols, and Umbrellas.) Rose H. Morton, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 14, 1951; amended to application, Supplemental Register, Apr. 2, 1952, Serial No. 611,295.

GRIP-TIPS

For Umbrella-Rib Tips.
Claims use since Nov. 16, 1948.

568,961. (Class 51. Cosmetics and Toilet Preparations.) William Duke Galpeo, doing business as The Zik Products Company, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 13, 1951; amended to application, Supplemental Register, Nov. 10, 1951, Serial No. 612,802.

Tress Moderne

For Hair Dressing Which Has Beautifying, Conditioning, and Cleansing Properties.
Claims use since Sept. 26, 1940.

568,962. (Class 4. Abrasives and Polishing Materials.) Best Seal Products, Hollywood, Calif., assignor to William F. Brooks, Hollywood, Calif. Original filed, act of 1946, Principal Register, May 1, 1951; amended to application, Supplemental Register, Feb. 19, 1952, Serial No. 613,378.

BEST-SEAL

For Automobile Polish.
Claims use since Feb. 1, 1950.

568,963. (Class 21. Electrical Apparatus, Machines, and Supplies.) Telrex Inc., Ashbury Park, N. J. Original filed, act of 1946, Principal Register, June 16, 1951; amended to application, Supplemental Register, Feb. 5, 1952, Serial No. 615,300.

EZ CUPL

For Television Antenna Masts.
Claims use since Mar. 6, 1950.

568,964. (Class 46. Foods and Ingredients of Foods.) Meat Industry Suppliers, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, June 28, 1951; amended to application, Supplemental Register, Feb. 18, 1952, Serial No. 615,841.

SHUR-R-R

For Chemical Composition for Use in Curing Meats, Consisting of Sodium Chloride, Nitrate and Nitrite.
Claims use since July 16, 1948.

568,965. (Class 33. Glassware.) Parallel Manufacturing Corporation, New York, N. Y. Filed July 5, 1951, Serial No. 616,121.



The words "Flexible Glass Mirrors" are disclaimed apart from the mark as shown on the drawing and specimens. The Holog on the drawing is for shading only.
For Mirrored Glass Used in Construction, Manufactured Articles, Materials, and Notions.
Claims use since Sept. 1, 1949.

568,966. (Class 2. Receptacles.) Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Filed July 26, 1951, Serial No. 616,981.

SAFETY FIRST

For Paper Bags.
Claims use since 1915.

568,967. (Class 2. Receptacles.) Pompton Craftsmen, Inc., Pompton Lakes, N. J. Original filed, act of 1946, Principal Register, Aug. 21, 1951; amended to application, Supplemental Register, Oct. 16, 1952, Serial No. 617,930.

CARI-TRAY

For Beverage and Food Holders and Plates Formed With Openings To Receive Ice Cream Cones and Cups and Made of Cardboard or Paper and Intended for One Time Use.
Claims use since Nov. 28, 1950.

568,968. (Class 18. Medicines and Pharmaceutical Preparations.) Numotizine, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 10, 1951; amended to application, Supplemental Register, Sept. 12, 1952, Serial No. 619,846.

HOBART

For Pharmaceutical Preparations—Namely, Hemorrhoidal Ointment; Calamine Ointment; Lanolin Ointment; Hemorrhoidal Suppositories; Medicated Cataplasms for the Treatment of Pneumonia, Bronchitis, Pleurisy, Phthisis, Whooping Cough, Pulmonary Ailments, Typhoid Fever and Other Febrile Toxaemias; Preparations for the Treatment of Gallbladder Disorders; Laxatives; and Preparations for the Relief of Throat Disorders and Irritations.
Claims use since Aug. 14, 1951.

568,969. (Class 44. Dental, Medical, and Surgical Appliances.) J. Bishop & Company Platinum Works, Malvern, Pa. Original filed, act of 1946, Principal Register, Nov. 14, 1951; amended to application, Supplemental Register, Oct. 17, 1952, Serial No. 621,195.

Valley Forge

For Hypodermic Needles.
Claims use since Sept. 25, 1951.

568,970. (Class 18. Medicines and Pharmaceutical Preparations.) Boots Pure Drug Company Limited, Nottingham, England. Original filed, act of 1946, Principal Register, Dec. 17, 1951; amended to application, Supplemental Register, Oct. 20, 1952, Serial No. 622,579.

Blandlax

For Laxative.
Claims use since May 1951; and since May 1951 in commerce among the several States.

568,971. (Class 5. Adhesives.) C. Willcox Comegys, doing business under the fictitious name of Acorn Adhesives and Supply Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Mar. 10, 1952; amended to application, Supplemental Register, Oct. 16, 1952, Serial No. 626,197.

WILHOLD

For Liquid Adhesives Consisting Essentially of a Plasticized, Polymerized, Vinyl Resin Dispersion and Solution.
Claims use since May 1, 1947.

568,972. (Class 50. Merchandise Not Otherwise Classified.) Radiator Specialty Company, Charlotte, N. C. Original filed, act of 1946, Principal Register, May 27, 1952; amended to application, Supplemental Register, Nov. 10, 1952, Serial No. 630,348.

SAFE-T-CONE

For Traffic Marker Used for Traffic Channeling, Utility Repairs, Line Painting, and Emergency Blockades.
Claims use since Nov. 6, 1951.

Service Marks

568,973. (Class 107. Education and Entertainment.) Lester Lewis Associates, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 4, 1950; amended to application, Supplemental Register, Nov. 26, 1951, Serial No. 604,440.



For Entertainment Services in the Nature of a Weekly Dramatic Television Program.
Claims use since Apr. 15, 1948.

568,974. (Class 106. Material Treatment.) Progressive Silk Finishing Company, Hoboken, N. J. Original filed, act of 1946, Principal Register, Mar. 29, 1951; amended to application, Supplemental Register, July 1, 1952, Serial No. 611,974.

IF IT'S *More* . . . IT'S *Progressive*

Applicant claims ownership of Registrations Nos. 262,926, 328,488, and 528,878.
For Processing of Natural or Artificial Fabrics Owned by Others To Give a Moire Finish—Namely, by Dyeing, Printing, and for Rendering Crease-Resistant.
Claims use since Feb. 1, 1951.

568,975. (Class 103. Construction and Repair.) G & K Corporation, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Apr. 23, 1951; amended to application, Supplemental Register, Dec. 5, 1951, Serial No. 612,999.

Lustre-soft

For Laundry Services.
Claims use since Dec. 1, 1950.

TRADE-MARK REGISTRATIONS RENEWED

- 39,146. CREAM. Registered Oct. 28, 1902. Augustus E. Staley, Baltimore, Md. Re-renewed Oct. 28, 1952, to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware. Starch for Food Purposes. Class 40.
- 87,343. LITTLE JOHNNY JONES. Registered July 9, 1912. M. Phillips & Sons. Re-renewed July 9, 1952, to Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Boys' and Youths' Blouses, Dresses, and Negligée Shirts, Pajamas, Etc. Class 39.
- 87,364. EMI'EROR. Registered July 9, 1912. M. Phillips & Sons. Re-renewed July 9, 1952, to Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Work and Negligée Shirts, Night-Shirts, Pajamas, Etc. Class 39.
- 88,019. KROPP. Registered Aug. 20, 1912. Osborne Garrett & Co. Re-renewed Aug. 20, 1952, to Osborne, Garrett & Co., Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Razors. Class 23.
- 88,088. JOHNSON'S. Registered Aug. 27, 1912. Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey. Re-renewed Aug. 27, 1952. Soaps. Class 52.
- 88,111. THE PRINCELY. Registered Aug. 27, 1912. M. Phillips & Sons. Re-renewed Aug. 27, 1952, to Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Dress, Negligée, and Work Shirts, Night-Shirts, Pajamas, Etc. Class 39.
- 88,547. FAROLA. Registered Oct. 1, 1912. Armour and Company, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 1, 1952. Cleansing Preparation Consisting of a Combination of Fatty-Acid Salts of the Alkali Metals and Silicious Abrasive Material. Class 4.
- 88,788. SUMMIT. Registered Oct. 22, 1912. Austin Reed, Limited, London, England, a company, registered under the Companies Act of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Oct. 22, 1952. Collars. Class 39.
- 89,213. "TAFFEL AKVAVIT" ETC. AND DRAWING. Registered Dec. 3, 1912. Aktieselskabet de Danske Spritfabrikker, Copenhagen, Denmark, a corporation organized under the laws of the Kingdom of Denmark. Re-renewed Dec. 3, 1952. Brandy Known as "Akvavitae." Class 49.
- 89,635. "MONOGRAM" ETC. Registered Dec. 31, 1912. William Hills, Jr. Re-renewed Dec. 31, 1952, to The Hills Brothers Company, New York, N. Y., a corporation of New York. Dates. Class 46.
- 89,780. "ABSORBINE JR" AND DESIGN. Registered Jan. 7, 1913. Wilbur F. Young. Re-renewed Jan. 7, 1953, to W. F. Young, Inc., Springfield, Mass., a corporation of Massachusetts. Liniment. Class 18.
- 90,303. REPRESENTATION OF KEYSTONE. Registered Feb. 18, 1913. Henry Daston & Sons, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Feb. 18, 1953. Steel Sheets, Steel Bars and Steel Forgings. Class 14.
- 90,351. "LARRO" AND DESIGN. Registered Feb. 18, 1913. The Larroe Milling Co., Cohocton, N. Y. Re-renewed Feb. 18, 1953, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Mixed Feed for Dairy-Cattle. Class 46.
- 90,728. ELEPHANT. Registered Mar. 18, 1913. Northrup, King & Co., Minneapolis, Minn., a corporation of Minnesota. Re-renewed Mar. 18, 1953. Fodder-Corn Seeds. Class 1.
- 292,524. AULD GEORGE. Registered Mar. 15, 1932. Glenforres Glenlivet Distillery Co. Limited, Burnside and Leith, Scotland, and London, England. Renewed Mar. 15, 1952, to Glenforres-Glenlivet Distillery Co. Limited, Leith, Scotland, and London, England, a limited liability company registered under the laws of Great Britain. Scotch Whisky. Class 49.
- 295,134. THOROTRAST. Registered June 21, 1932. Heyden Chemical Corporation. Renewed June 21, 1952, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware. Medicinal Preparation Finding Its Application in the Photography by X-Rays for Medicinal and Similar Purposes. Class 18.
- 295,617. REPRESENTATION OF FOUR BARS. Registered July 5, 1932. Johnson Suture Corporation, Chicago, Ill. Renewed July 5, 1952, to Ethicon Suture Laboratories, Incorporated, New Brunswick, N. J., a corporation of New Jersey. Gut Strings for Rackets. Class 22.
- 296,335. OKOLITE. Registered Aug. 2, 1932. The Okonite Company, Passaic, N. J., a corporation of New Jersey. Renewed Aug. 2, 1952. Insulated Wires and Cables. Class 21.
- 297,021. "THERMO JELL'D". Registered Aug. 30, 1932. Sun Maid Raisin Growers of California, Fresno, Calif., a cooperative association of California. Renewed Aug. 30, 1952. Dried Raisins and Dried Fruits. Class 46.
- 297,177. CRYSTALSHEEN. Registered Sept. 6, 1932. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Sept. 6, 1952. Men's and Boys' Negligée Shirts and Pajamas. Class 39.
- 297,573. COPYSTAT. Registered Sept. 20, 1932. Burley H. Wilder, doing business as Wilder Photo Copy Co. Renewed Sept. 20, 1952, to Wilder Photo Copy Company, Inc., Buffalo, N. Y., a corporation of New York. Printed Matter Particularly Multiple Goods in the Form of Enlarged or Reduced Maps, Drawings, Etc. Class 38.
- 297,657. PAIN BRÛLÉ. Registered Sept. 27, 1932. A. Hollander & Son, Inc., Newark, N. J., a corporation of Delaware. Renewed Sept. 27, 1952. Fur Skins. Class 1.
- 297,677. DAY-STEEL. Registered Sept. 27, 1932. The Dayton Rubber Manufacturing Company. Renewed Sept. 27, 1952, to The Dayton Rubber Company, Dayton, Ohio, a corporation of Ohio. Pulleys. Class 23.
- 297,691. ROLLFAST. Registered Sept. 27, 1932. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y., a corporation of New York. Renewed Sept. 27, 1952. Roller Skates. Class 22.
- 297,827. DEBUTANTE. Registered Oct. 4, 1932. Daggett & Ramsdell, New York, N. Y. Renewed Oct. 4, 1952, to Daggett & Ramsdell, Inc., Newark, N. J., a corporation of Delaware. Face Powder, Preparations for Treating the Skin, and Toilet, Cleansing, Vanishing, and Cold Creams. Class 31.
- 297,838. SUPERTEX. Registered Oct. 4, 1932. Jacques Wolf & Co., Passaic, N. J. Renewed Oct. 4, 1952, to Jacques Wolf & Co., Clifton, N. J., a corporation of New Jersey. Chemical Preparation for the Purpose of Thickening Solutions, Etc. Class 6.
- 297,850. BATHAWAY. Registered Oct. 4, 1932. Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware. Renewed Oct. 4, 1952. Reducing Bath Salts. Class 31.

JANUARY 6, 1953

U. S. PATENT OFFICE

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- 297,904. APPLADAY. Registered Oct. 4, 1932. H. P. Hannon & Company. Renewed Oct. 4, 1952, to H. P. Hannon, Chicago, Ill. Apple Candy Confection. Class 46.
- 297,930. OLAF'S. Registered Oct. 4, 1932. Wleboldt Stores, Inc. Renewed Oct. 4, 1952, to Olafsen Vitamins, Inc., Chicago, Ill., a corporation of Illinois. Cod Liver Oil. Class 6.
- 298,042. RUB-A-GLO. Registered Oct. 11, 1932. The Sponge Rubber Products Co., Derby, Conn. Renewed Oct. 11, 1952, to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut. Rubber Sponges. Class 1.
- 298,118. "ESTATE" AND DESIGN. Registered Oct. 11, 1932. The Estate Stove Company, Hamilton, Ohio. Renewed Oct. 11, 1952, to Noma Electric Corporation, New York, N. Y., a corporation of New York. Heating Apparatus or Appliances—Namely, Heating Ovens, Stoves, Furnaces, Etc. Class 34.
- 298,187. "MILAM" ETC. AND DESIGN. Registered Oct. 18, 1932. Milam, Inc., Winston-Salem, N. C. Renewed Oct. 18, 1952, to Owen Drug Company, Salisbury, N. C., a firm. Herb Compound Used as a Blood Tonic. Class 18.
- 298,198. FALBRO. Registered Oct. 18, 1932. Ferbo Research Laboratories, Inc., Miami, Fla., and New York, N. Y. Renewed Oct. 18, 1952, to Falbro Laboratories, Inc., Miami, Fla., a corporation of Florida. Therapeutic Agent for the Control of Fermentation in the Human System and Adapted for Both Internal and External Use. Class 18.
- 298,222. ORTHO-GYNOL. Registered Oct. 18, 1932. Johnson & Johnson, New Brunswick, N. J. Renewed Oct. 18, 1952, to Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey. Antiseptic Preparation for Feminine Hygiene. Class 18.
- 298,238. ISOCHROME. Registered Oct. 18, 1932. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Oct. 18, 1952, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Photographic Film. Class 26.
- 298,250. SHELL. Registered Oct. 18, 1932. Shell Oil Company, San Francisco, Calif. Renewed Oct. 18, 1952, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Petroleum Pitch, a Residue From the Distillation of Crude Petroleum Oils. Class 1.
- 298,267. DUTCHMAID. Registered Oct. 18, 1932. Warren H. Fake, Ephrata, Pa. Renewed Oct. 18, 1952. Hosiery and Underwear for Men, Women, and Children. Class 39.
- 298,444. ELECTRO-LARM. Registered Oct. 25, 1932. Walgreen Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 25, 1952. Electric Clocks. Class 27.
- 298,529. "BEACON WARE" ETC. AND DRAWING. Registered Nov. 1, 1932. The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania. Renewed Nov. 1, 1952. Aluminum and Aluminum Alloy Cooking Hollow Ware. Class 13.
- 298,545. BEACON. Registered Nov. 1, 1932. The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania. Renewed Nov. 1, 1952. Aluminum and Aluminum Alloy Cooking Hollow Ware. Class 13.
- 298,562. CHUX. Registered Nov. 1, 1932. Johnson & Johnson, New Brunswick, N. J. Renewed Nov. 1, 1952, to Chicopee Mills, Inc., New York, N. Y., a corporation of New York. Diapers Made of Cotton, Paper, and Gauze. Class 39.
- 298,573. EASTMAN. Registered Nov. 1, 1932. Eastman Kodak Company. Renewed Nov. 1, 1952, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Artificial Silk Thread and Yarn. Class 43.
- 298,580. "CRINKLE" AND DRAWING. Registered Nov. 1, 1932. Oldmill Paper Products Corp., Brooklyn, N. Y. Renewed Nov. 1, 1952, to Oldmill Paper Products Corporation, Long Island City, N. Y., a corporation of New York. Paper Baking Cups, Baking Dishes, Candy Cups, Etc. Class 2.
- 298,738. YACO. Registered Nov. 1, 1932. A. B. Dick Company, Chicago, Ill. Renewed Nov. 1, 1952, to A. B. Dick Company, Niles, Ill., a corporation of Illinois. Sheet Feeding and Impression Rollers for Rotary Duplicating and Like Machines. Class 23.
- 298,761. STAINWELD. Registered Nov. 8, 1932. The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 8, 1952. Metallic Welding Electrodes. Class 14.
- 298,762. MANGANWELD. Registered Nov. 8, 1932. The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 8, 1952. Metallic Welding Electrodes. Class 14.
- 298,972. FRESH-O-DOR. Registered Nov. 15, 1932. The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio. Renewed Nov. 15, 1952. Metal Canisters. Class 2.
- 299,068. REPRESENTATION OF DIAMOND-SHAPED DESIGN. Registered Nov. 22, 1932. Youngs Rubber Corporation, Inc. Renewed Nov. 22, 1952, to Youngs Rubber Corporation, New York, N. Y., a corporation of New York. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.
- 299,202. "REDEAID" AND DESIGN LINED FOR RED. Registered Nov. 22, 1932. S. Pfeiffer Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 22, 1952. Medicinal Preparation for the Treatment of Disorders Due to Amenorrhea, Dysmenorrhea, and Menorrhagia. Class 18.
- 299,343. "COURTAULDS" AND DESIGN. Registered Nov. 29, 1932. Courtauld Limited, London, England, a limited liability company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Nov. 29, 1952. Piece Goods Made of Cellulose Yarns. Class 42.
- 299,473. "VAN ROY" ETC. AND DRAWING LINED FOR RED, YELLOW, AND BLUE. Registered Dec. 6, 1932. Van Roy Coffee Co., Inc., Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 6, 1952. Coffee. Class 46.
- 299,500. NAPOLEONS. Registered Dec. 6, 1932. The Killian Manufacturing Co., Akron, Ohio. Renewed Dec. 6, 1952, to Walgreen Co., Chicago, Ill., a corporation of Illinois. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.
- 299,501. DERBIES. Registered Dec. 6, 1932. The Killian Manufacturing Co., Akron, Ohio. Renewed Dec. 6, 1952, to Walgreen Co., Chicago, Ill., a corporation of Illinois. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.
- 299,502. REPRESENTATION OF LOOM WITH BLACK, YELLOW, AND RED STRIPES. Registered Dec. 6, 1932. The Okonite Company, Passaic, N. J., a corporation of New Jersey. Renewed Dec. 6, 1952. Insulated Wires and Cables. Class 21.
- 299,702. OKOSHEATH. Registered Dec. 20, 1932. The Okonite Company, Passaic, N. J., a corporation of New Jersey. Renewed Dec. 20, 1952. Insulated Wires and Cables. Class 21.
- 299,793. OKOLAST. Registered Dec. 20, 1932. The Okonite Company, Passaic, N. J., a corporation of New Jersey. Renewed Dec. 20, 1952. Insulated Wires and Cables. Class 21.
- 299,794. OKOCORD. Registered Dec. 20, 1932. The Okonite Company, Passaic, N. J., a corporation of New Jersey. Renewed Dec. 20, 1952. Insulated Wires and Cables. Class 21.

- 299,819. **ENGINEER**. Registered Dec. 27, 1932. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Dec. 27, 1952. Bracelet Watches and Their Attached Bracelets. Class 27.
- 299,898. **HEXIN**. Registered Dec. 27, 1932. Hexin, Inc. Renewed Dec. 27, 1952. Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware. Tablets for the Relief of Pain Due to Headache and Neuralgia and Minor Muscular Aches and Pain. Class 18.
- 300,073. **FIRE CHIEF**. Registered Jan. 3, 1933. The Texas Company. Renewed Jan. 3, 1953, to The Texas Company, New York, N. Y., a corporation of Delaware. Gasoline. Class 15.
- 300,084. **"CONSTANT THREE SPADES" ETC. AND DRAWING**. Registered Jan. 3, 1933. Friedr. Herder Ahr. Sohn, Solingen, Germany, a firm. Renewed Jan. 3, 1953. Table Knives and Carvers; Etc. Class 23.
- 300,090. **EMCOHECTOR**. Registered Jan. 3, 1933. Pittsburgh Equitable Meter Company. Renewed Jan. 3, 1953, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Pressure Correcting Gas Meters. Class 26.
- 300,102. **CRE-TO-LA**. Registered Jan. 10, 1933. J. Warren Bullen, doing business as The Bullen Chemical Company. Renewed Jan. 10, 1953, to The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania. Disinfectant and Insecticide. Class 6.
- 300,227. **SAVATAN**. Registered Jan. 10, 1933. S. Pfeiffer Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Jan. 10, 1953. Medicinal Preparation for the Treatment of Disorders Due to Amenorrhea, Dysmenorrhea, and Menorrhagia. Class 18.
- 300,311. **BURDIZZO**. Registered Jan. 10, 1933. Francesco Veglia, Turin, Italy. Renewed Jan. 10, 1953. Forceps for Castration of Animals. Class 44.
- 300,413. **"PEGGY PERK"**. Registered Jan. 17, 1933. The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio. Renewed Jan. 17, 1953. Perculators. Class 13.
- 300,531. **SHELL**. Registered Jan. 24, 1933. Shell Chemical Company, San Francisco, Calif. Renewed Jan. 24, 1953, to Shell Chemical Corporation, New York, N. Y., a corporation of Delaware. Salts of Ammonia for Fertilizer. Class 10.
- 300,661. **PULPAK**. Registered Jan. 31, 1933. Keyes Fibre Company, Inc., Waterville, Maine. Renewed Jan. 31, 1953, to Keyes Fibre Company, Portland, Maine, a corporation of Maine. Protective Jackets and Fillers of Moulded Pulp for Shipping, Storing, and Displaying Such Fragile or Perishable Articles as Bottles, Etc. Class 2.
- 300,730. **A. F. CLEANER**. Registered Feb. 7, 1933. H. Rehlen & Bro., Inc., New York, N. Y., a corporation of New York. Renewed Feb. 7, 1953. Dry Cleaner Preparation for Fabrics, Silks, Upholstery, Etc. Class 52.
- 300,782. **VESTA**. Registered Feb. 7, 1933. Boone County Coal Corporation, Sharples, W. Va., and Philadelphia, Pa. Renewed Feb. 7, 1953, to Boone County Coal Corporation, Sharples, W. Va., a corporation of West Virginia. Bituminous Coal. Class 1.
- 300,943. **"SILVER COW" AND DESIGN**. Registered Feb. 14, 1933. Borden's Milk Products Company, Inc., assignor to Borden Quality Inc. Renewed Feb. 14, 1953, to The Borden Company, New York, N. Y., a corporation of New Jersey. Creamery Products—Namely, Evaporated Milk. Class 46.
- 300,977. **SINGERCRAFT**. Registered Feb. 14, 1933. The Singer Manufacturing Company, Elizabeth, N. J., and New York, N. Y. Renewed Feb. 14, 1953, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Loop Forming Implements for Use in Production of Rugs and Pile Effects on Fabrics. Class 23.
- 301,350. **FOREMOST**. Registered Feb. 28, 1933. Foremost Dairy Products Incorporated. Renewed Feb. 28, 1953, to Foremost Dairies, Inc., Jacksonville, Fla., a corporation of New York. Ice Cream. Class 46.
- 301,409. **ORBO**. Registered Feb. 28, 1933. Brillo Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Feb. 28, 1953. Bluing. Class 6.
- 301,493. **"KOPOL" ETC.** Registered Mar. 7, 1933. Beck, Koller & Company, Inc. Renewed Mar. 7, 1953, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware. Synthetic Resins. Class 6.
- 301,511. **RIDGOL**. Registered Mar. 7, 1933. The Ridge Tool Company, Elyria, Ohio, a corporation of Ohio. Renewed Mar. 7, 1953. Thread Cutting Oil. Class 15.
- 301,583. **UNBRAKO**. Registered Mar. 7, 1933. Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania. Renewed Mar. 7, 1953. Hollow Set Screws, Socket Head Cap Screws, Etc. Class 13.
- 301,735. **OLENDRONACH**. Registered Mar. 14, 1933. The Glendronach Distillery Company Limited, Glendronach, Scotland, a company incorporated under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Mar. 14, 1953. Whisky. Class 49.
- 301,765. **"BECKOSOL" AND DESIGN**. Registered Mar. 14, 1933. Beck, Koller & Company, Inc. Renewed Mar. 14, 1953, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware. Dry, Paste, and Ready Mixed Paints, Etc. Class 16.
- 301,770. **SYNTH-COPAL**. Registered Mar. 14, 1933. Beck, Koller & Company, Inc. Renewed Mar. 14, 1953, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware. Soluble Ester Gums and Soluble Plastic Resins, Employed as Painters' Materials. Class 16.
- 301,771. **KOPOL**. Registered Mar. 14, 1933. Beck, Koller & Company, Inc. Renewed Mar. 14, 1953, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware. Soluble Plastic Resins Used as Painters' Materials. Class 16.
- 301,828. **"ROSELAND" ETC.** Registered Mar. 14, 1933. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Mar. 14, 1953. Milk, Cream, Butter, Eggs, Lard, and Cheese. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

561,345. **"NOXALL" AND DESIGN**. Registered July 15, 1952. Joseph W. Eisenberg, doing business as The Noxall Pharmaceutical Co., New York, N. Y. Cream Preparation for the Treatment of Athlete's Foot and Other Fungus Infections of the Skin, Foot Powder, a Preparation for the Treatment of Colds and Neuralgia, Cough

Syrup, and Nasal Jelly. Class 18. Corrected as follows: In the statement, column 2, line 4, strike out "The mark is claimed to have become disinc—" and insert instead *The trade-mark was first used about Janu-; line 10, for "too" read to.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

- 441,279. **TAILOR MADE LAWN**. Registered Nov. 9, 1948. Tailor Made Lawn, Inc. Cellulose Material in Sheet Form, Carrying Grass Seed and Fertilizer. Class 1. New certificate under section 7(c) issued Jan. 6, 1953, to Abel E. Garner, New York, N. Y.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 190,873. Registered Oct. 28, 1924. Walter T. Terry, Jr., Wichita, Kans. Republished by S. W. Chapman, Kansas City, Mo.

LUSTRAX

For Floor and Furniture Wax.
Claims use since July 1, 1923.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 367,531. Registered May 23, 1939. Morse, Lockhart & Morse, Inc., Boston, Mass. Republished by The Morse-Smith-Morse Company, Watertown, Mass., a corporation of Connecticut.

FIROMATIC

For Fuel Control Valves.
Claims use since July 1931.

CLASS 15

OILS AND GREASES

Reg. No. 39,047. Registered Oct. 14, 1902. The Ironsides Company, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

SHIELD

For Greases, Plumbago Mixtures, and Other Thick Substances of a Lubricating Nature.
Claims use since March 1898.

Reg. No. 39,155. Registered Oct. 28, 1902. The Ironsides Company, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

IRONSIDES

For Lubricating Oils, Greases, Plumbago Mixtures, and Other Thick Substances of a Lubricating Nature.
Claims use since March 1898.

CLASS 19

VEHICLES

Reg. No. 117,447. Registered July 10, 1917. Kentucky Wagon Manufacturing Co., Louisville, Ky. Republished by R. C. Tway Company, Inc., Louisville, Ky., a corporation of Kentucky.

"OLD HICKORY"

For Gasoline-Trucks.
Claims use since Feb. 1, 1915.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 398,952. Registered Dec. 8, 1942. The Delta Manufacturing Company, Milwaukee, Wis. Republished by Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

Homecraft

For Electric Motors.
Claims use since July 10, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 89,509. Registered Dec. 17, 1912. Simonds Manufacturing Company, Fitchburg, Mass., Chicago, Ill., New York and Lockport, N. Y., and elsewhere. Republished by Simonds Saw and Steel Company, Fitchburg, Mass.



For Saws.
Claims use since 1876.

Reg. No. 89,631. Registered Dec. 31, 1912. Henry Daston & Sons, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



For Saws, Saw Handles, Inserted Saw Teeth, Inserted Saw Teeth Holders, Saw Mandrels, Saw Gummers, Saw Gummer Cutters, Saw Gummer Grinders, Saw Swages, Saw Shapers, Saw Sets, Saw Filing Clamps, Saw Filing Clamp Guides, Saw Sharpeners, Saw Punches, Saw Frames, Saw Bucks, Saw Rods, Saw Screws, Saw Tools, Hand Saw Shears, Wrenches, Files, Rasps, Trowels, Cane Knives, Corn Knives, Hedge Knives, Machetes, Machine Knives, Circular Knives, Pruning Hooks, Fusion Diaks, Post-Hole Diggers, Screw Drivers, Doctor Blades, Gln Roller Blades, Currier Blades, and Cabinet Scrapers.

Claims use since 1862.

Reg. No. 383,809. Registered Dec. 24, 1940. Athey Truss Wheel Co., Chicago, Ill. Republished by Athey Products Corporation, Chicago, Ill., a corporation of Illinois.

MobiLoader

The word "Loader" is disclaimed apart from the mark as shown.

For Grading and Material Handling and Loading Attachments for Tractors.

Claims use since Jan. 26, 1940.

Reg. No. 438,468. Registered Apr. 20, 1948. Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

DELIVR-ALL

For Internal Combustion Engines and Power Transmissions for Moving Automotive Trucks.

Claims use since Apr. 26, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 206,681. Registered Aug. 16, 1932. Kimble Glass Company, Vineland, N. J. Republished by Kimble Glass Company, Toledo, Ohio, a corporation of Ohio.

KOLLEGIATE

For Chemical, Scientific, and Laboratory Glassware.

Claims use since Mar. 11, 1932.

Reg. No. 312,604. Registered May 1, 1934. Folmer Graflex Corporation, Rochester, N. Y. Republished by Graflex, Inc., Rochester, N. Y., a corporation of Delaware.

Riteuray

For Photographic Film Holders.

Claims use since Dec. 14, 1933.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 322,108. Registered Feb. 26, 1935. Schuman & Donchi, Inc., Newark, N. J. Republished by Bond Diamond Company, Newark, N. J., a corporation of New Jersey.

S&D

For Finger Rings, Brooches, Bracelets, and Other Jewelry for Personal Wear or Adornment, but Not Including Watches or Watch Cases.

Claims use since May 1, 1934.

CLASS 37

PAPER AND STATIONERY

Reg. No. 296,365. Registered Aug. 2, 1932. Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.

PARCHWRAP

For Greaseproof and Imitation Parchment Paper.

Claims use since Apr. 1, 1932.

CLASS 39

CLOTHING

Reg. No. 272,360. Registered July 8, 1930. Cowden Manufacturing Company, Kansas City, Mo., and Omaha, Nebr., a corporation of Missouri. Republished by registrant, present address Kansas City, Mo.

POWDER RIVER

For Overalls, Pants, One-Piece Work Suits, Play Suits.

Claims use since December 1927.

Reg. No. 297,542. Registered Sept. 20, 1932. Louis Plotzky, Kansas City, Mo. Republished by Lee-Wald Garment Company, Kansas City, Mo., a corporation of Missouri.



The words "Jumper" and "Size" are disclaimed apart from the mark as shown.

For Child's Tailored Overall Garments.

Claims use since Mar. 18, 1932.

Reg. No. 298,860. Registered Nov. 8, 1932. John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania.



Southwick

The term "Southwick" is disclaimed apart from the mark as shown.

For Men's and Boys' Felt and Straw Hats and Cloth Caps, Men's Silk Hats, and Felt and Straw Hats for Women and Children.

Claims use since Apr. 1, 1929.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 291,712. Registered Feb. 23, 1932. John Jacobs Co., Canon City, Colo. Republished by John M. Jacobs, Phoenix, Ariz.

PLATEAU

For Fresh Deciduous Fruits and Vegetables.

Claims use since May 23, 1931.

Reg. No. 299,169. Registered Nov. 22, 1932. Joe Lowe Corporation, Brooklyn, N. Y., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

WELDICE

For Vegetable Pure Food Ice and Sherbet Stabilizer Standardized.

Claims use since May 6, 1932.

Reg. No. 299,479. Registered Dec. 6, 1932. Frozen Confections, Inc., New York, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.

NIB-LIC

For Frozen Confections.

Claims use since on or about Sept. 1, 1931.

CLASS 47

WINES

Reg. No. 321,157. Registered Jan. 22, 1935. Del Valle Distributing Co., San Francisco, Calif. Republished by Wm. H. Lovner, San Francisco, Calif.

Charlemagne

For Wines.

Claims use since Sept. 1, 1934.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 12,420. Registered July 21, 1885. Charles Augustus Gosnell and Charles Percy Gosnell, London, England. Republished by John Gosnell & Company, Limited, Lewes, Sussex, England, a company of the United Kingdom of Great Britain and Northern Ireland.

CHERRY BLOSSOM

For Perfumery and Perfumed Preparations for the Toilet.

Claims use since July 1884.

Reg. No. 298,226. Registered Oct. 18, 1932. Yardley & Company Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

YARDLEY'S

For Bath Salts, Bath Salts Tablets, Perfumes, Tooth Wash, Brilliantine, Dentifrice, Hair Tonic, Mouth Wash, Dental Cream.

Claims use since 1890.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 107,783. Registered Dec. 28, 1915. John Gosnell & Company Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address Lewes, Sussex, England.

CHERRY BLOSSOM

For Perfumed and Other Kinds of Soap and Soap Powder Intended for the Toilet.
Claims use since the year 1885.

Reg. No. 298,376. Registered Oct. 25, 1932. Yardley & Company Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.



For Toilet Soap.
Claims use since February 1912.

PATENTS

GRANTED JANUARY 6, 1953

GENERAL AND MECHANICAL

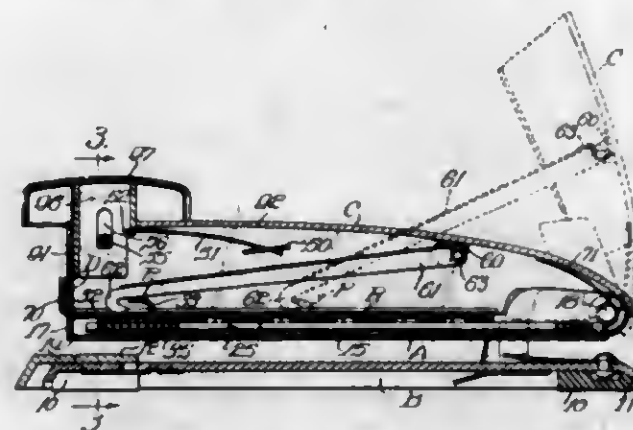
2,624,046

DESK STAPLER

Curt E. Nyberg, Chicago, Ill., assignor to Vail Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 3, 1949, Serial No. 130,881

8 Claims. (Cl. 1-3)



1. In a stapling machine, a base, an arm pivotally connected to said base, staple supporting means on the arm, a pusher slidably guided on the staple supporting means, a cover pivotally connected to said base, staple driving means at the front end of the cover, and a rigid arm pivotally connected to the cover and extended forwardly toward the front end thereof, and coacting means on the pusher and front end of the arm, operable when the arm is retracted in response to opening movement of the cover, to retract the pusher therewith and to disengage therefrom to free the same when the cover is returned to closed position.

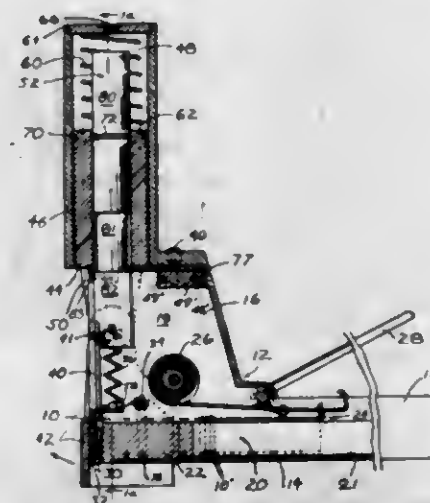
2,624,047

AUTOMATIC HAMMER

Harry L. Gaskill, Portland, Oreg.

Application January 16, 1950, Serial No. 138,787

17 Claims. (Cl. 1-49)



1. A staple driving device including a body member having a head portion at one end thereof and a handle portion, said head portion comprising a support including spaced upright mem-

bers, a top member carried by said upright members, a cylinder mounted on said top member and closed at the end thereof remote from said top member, a piston having a central bore therein and connecting rod portions slidably arranged in said cylinder with said connecting rod portions straddling the head portion of said body member, a striker mounted for upward and downward movement beneath said piston, said striker projecting below said body member and being pivotally connected to said connecting rod portions of said piston, means attached to said upright members to form a guideway, for a staple, a driving blade positioned in said guideway, a ram affixed to said driving blade and positioned in the bore of said piston to close the chamber formed at the closed end of said cylinder by said piston, said chamber being filled with a substantially incompressible fluid operable to shift said ram and said driving blade downward to drive a staple through said guideway in response to upward movement of said striker and said piston as a result of a blow against an object by said striker, and means to feed staples to the driving position.

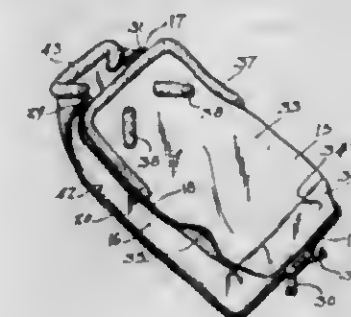
2,624,048

ADJUSTABLE BABY BUNTING

Olivia Kovary, New York, N. Y.

Application September 16, 1949, Serial No. 116,115

4 Claims. (Cl. 2-69.5)



1. An infant's apparel garment comprising a front panel member, a back panel member, slide-fastener structures securing said panel members together along their sides and one end, an envelope device folded laterally on its self and positioned between said panel members with the fold facing the said one end of said panel members, and means partially carried by one of said panel members and partially carried by said device for permitting said device to be detachably secured to the inside face of the said one panel member in any one of several possible positions each to locate the fold of said device at a predetermined point along the height of the garment, said detachable securing means comprising laterally spaced fastener elements mounted on the inner face of the said one panel member, with aligned laterally spaced sets of holes formed in said envelope device adjacent the ends thereof for selective engagement with said fastener elements.

2,624,049

GARMENT

Rose Granne, Brooklyn, N. Y.

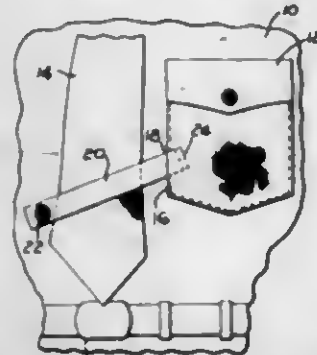
Application May 10, 1950, Serial No. 161,090
5 Claims. (Cl. 2-114)

1. In a sleeping garment for women, a breast-accommodating structure comprising readily deformable outer breast-enclosing elements having gathered bottom edges, and inner breast supporting elements fixedly secured at their bottom edges to but beneath the gathered bottom edges of said outer elements, but being separated at their upper termini from the latter elements, resilient, substantially loop-shaped suspension means secured with their ends to the free termini of said inner elements, and adjustable straps supporting said suspension means, the outer and inner elements forming pockets open along their top edges.

2,624,050

SHIRT AND TIE HOLDER COMBINATION

Dana Boller, Burbank, Calif.

Application October 29, 1951, Serial No. 253,614
4 Claims. (Cl. 2-115)

1. In a shirt having a stitched pocket thereon, the combination with said pocket, of: means forming a separation in the stitching of said pocket, a tie holder removably inserted into said separation at one extremity, means for releasably securing the remaining extremity of said tie holder to said shirt forming a loop to secure the lower extremity of a necktie to said shirt.

2,624,051

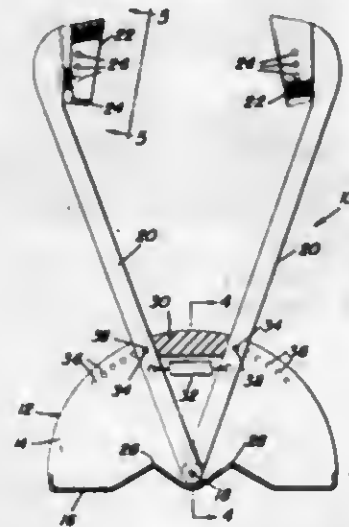
EAR PROTECTING DEVICE

Robert L. Motley, Dayton, Ohio

Application March 29, 1951, Serial No. 218,218
6 Claims. (Cl. 2-174)

1. An ear protecting device, comprising a hollow support member including a pair of spaced walls and a bottom wall connecting said walls at

lower edges thereof, a transverse pivot pin mounted in said walls adjacent said bottom wall and substantially midway between the ends of the bottom wall, a pair of divergent arms each having an end portion thereof mounted on said pin whereby the arms are swingable toward and away from each other, substantial portions of said arms

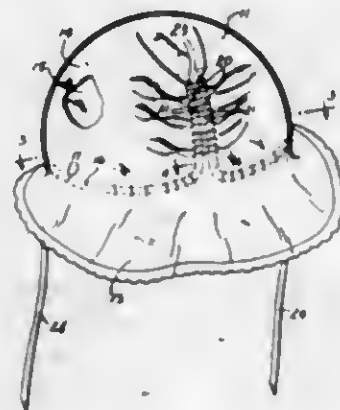


projecting outwardly beyond the upper edge of said support member, a pair of cup-shaped ear covers provided at the outer ends of the respective arms, and resilient means disposed in the space between the walls inwardly from the upper edge of said support member and connected to said arms for urging said arms together.

2,624,052

ADJUSTABLE BABY BONNET

Lorraine A. Redlin, Chicago, Ill., assignor of one-half to Betty Michals, Winnetka, Ill.

Application November 4, 1949, Serial No. 125,610
2 Claims. (Cl. 2-204)

1. In a bonnet having a crown and visor, a pair of drawtape passages extending from the top of said crown downwardly in substantially parallel relation to each other and to adjacent points located at the juncture of said visor and crown adjacent the front edge thereof and thence along the edge of said crown in opposite directions to terminate in an opening in the back of the crown, and a drawtape in each passage, each secured at one end at the top end of its respective passage and having its other end extend through the opening for tying.

2,624,053

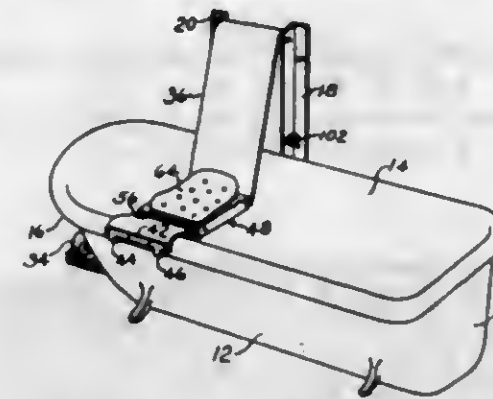
BATH SEAT LIFTING APPLIANCE

Russell Beckwith, Rochester, N. Y.

Application August 28, 1951, Serial No. 243,976
6 Claims. (Cl. 4-185)

1. A bath seat lifting appliance, comprising a tub, a frame extending a substantial distance

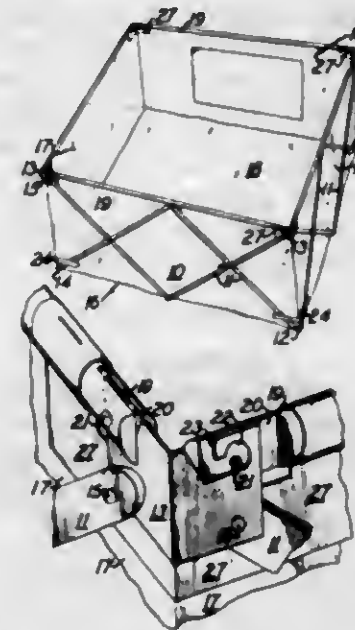
above said tub on one side thereof, a web attached at one end to the other side of said tub, and adapted to span the tub, means mounted on said frame a substantial distance above said tub for lifting the other end of said web, and



2,624,054

COLLAPSIBLE BABY PEN

Thomas G. Plant, San Francisco, Calif.

Application May 29, 1951, Serial No. 228,949
2 Claims. (Cl. 5-99)

2. A collapsible play pen having sides comprising lazy tongs, upper and lower corner pieces pivotally attached to the sides to hold them together, top rails for the sides, and each of the upper corner pieces being detachably engaged with adjacent top rails.

2,624,055

DETACHABLE GUARDRAIL FOR BEDS

Nordahl L. Rude, Eau Claire, Wis.

Application October 31, 1946, Serial No. 706,908
3 Claims. (Cl. 5-331)

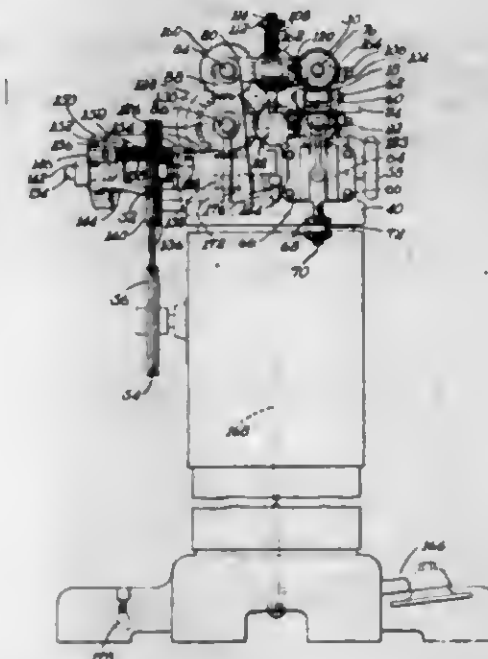
1. A detachable guard rail for bedsteads comprising a main section composed of upper and

lower tubular members secured together in vertically spaced relation, means at one end of said main section for engaging a portion of the foot end of a bedstead, a U-shaped member having its spaced legs received in telescoping engagement with the spaced members of said main section, means on said U-shaped member for engaging and retaining it in position on a corner post at the head end of the bedstead, and threaded means for varying the overall length of the guard rail, thereby to secure it in operative position between the corner posts of the bedstead.

2,624,056

TRIMMING MACHINE

Harold W. Bishop, Essex, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application January 18, 1949, Serial No. 71,481
13 Claims. (Cl. 12-17)

13. In a machine for trimming soles applied to the opposite sides of a pattern in conformity to the pattern, a trimming knife mounted to vibrate with a predetermined stroke crosswise of the edge of the pattern and having opposed blades each of which is arranged to trim one of the soles, opposed supports arranged to engage the outer sides of the soles adjacent to the knife, said supports being mounted for adjustment lengthwise of the stroke of said knife to center the soles with respect to the path of said blades, and a chamfering knife associated with each of said supports for chamfering the outer trimmed edges of the soles.

2,624,057

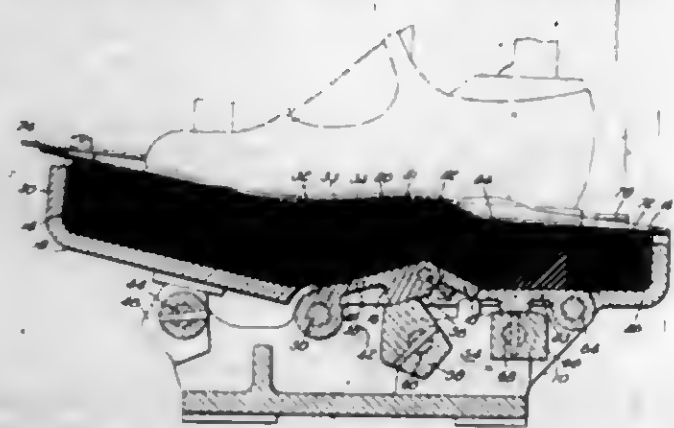
PAD BOX

Helge Gulbrandsen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 1, 1949, Serial No. 96,420
10 Claims. (Cl. 12-38)

5. In apparatus for use in applying pressure to shoe bottoms, a pad comprising a block of yieldable material, that portion of the pad which underlies the shank portion of a shoe placed thereon having a vertical aperture at least co-extensive with the shank portion of the shoe, a plurality of members relatively adjustable vertically substantially filling said aperture, means for adjusting said members relatively to said

block, and means for tipping the toe end of said block about an axis extending transversely of a

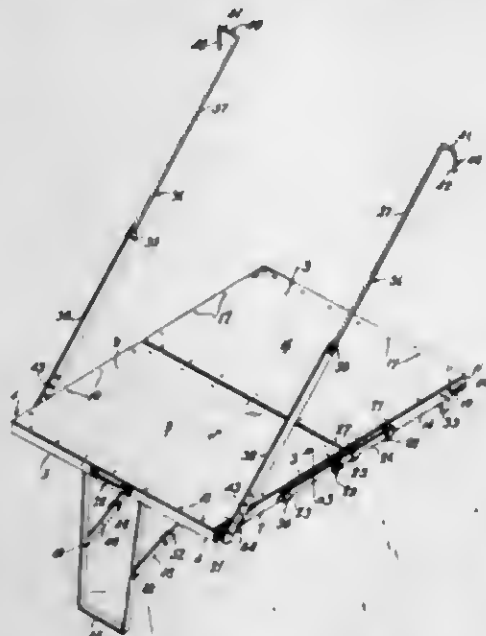


shoe on the pad, said axis being located near the forward portion of the aperture.

2,624,058

FOLDABLE PLATFORM STRUCTURE

Emil J. Kudrna, Denver, Colo.
Application July 21, 1949, Serial No. 105,917
3 Claims. (Cl. 14-72)



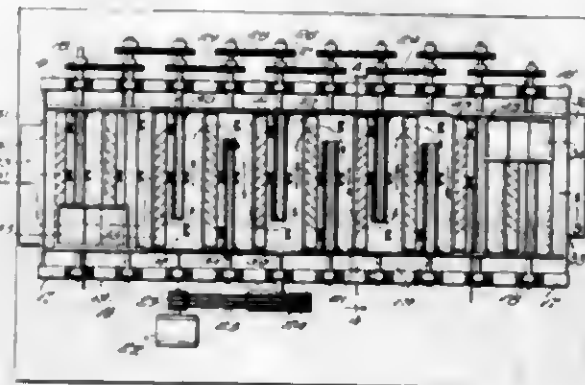
1. A platform for use in inspecting the cargo in a freight car, comprising: a pair of platform sections disposed side-by-side in alignment in a substantially common horizontal plane; hinge means pivotally interconnecting said platform sections along the adjacent edges thereof, said platform sections being adapted to be folded into confronting relation when not in use; detachable connecting means rigidly interconnecting the ends of said platform sections in alignment in said common plane to eliminate strain on said hinge means, one of said platform sections being adapted to have one end thereof rest upon the sill of a doorway opening of a freight car; a pair of hangers; detachable means securing one end of each of said hangers to the other of said platform sections, the other end of each of said hangers being adapted to be detachably connected with said freight car adjacent the sides of said doorway; a step member pivotally suspended from said other platform section, said step member being extensible and having a height less than the width of said other platform section; a brace connected with said step member and said other platform section for maintaining said step member in said extended

position; and means carried by and projecting downwardly from said one platform section for limiting inward movement of said one platform section relative to said doorway opening.

2,624,059

NUT CLEANING AND POLISHING MACHINE

Sam A. Pierce, Cairo, Ga.
Application October 18, 1946, Serial No. 704,228
2 Claims. (Cl. 15-3.17)

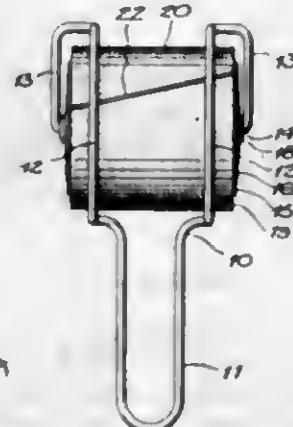


1. In a nut cleaning and polishing machine, a base, a case on said base having sides and ends, a discharge spout communicating with the case, a plurality of driven brushes journaled in the base in positions whereby the peripheries of the succeeding brushes are in proximity to one another, partitions supported above each of the brushes, the said partitions having openings at alternate ends for the escape of nuts longitudinally of the case, means for guiding the nuts in opposite directions at the sides of the partitions, said means comprising guiding members hingedly suspended from a partition and having a plurality of plates having diagonally disposed flanges, and means for delivering nuts to the brushes.

2,624,060

ROTARY ADHESIVE ROLL FABRIC CLEANING DEVICE

Thomas R. McKenzie, Milwaukee, Wis.
Application May 17, 1946, Serial No. 670,486
1 Claim. (Cl. 15-104)



A fabric cleaning device comprising a roller having an exposed tacky face, a length of wire looped on itself to form a hand-grip and a pair of arched guard portions extending circumferentially over the tacky face of said roller for a portion of the periphery of said roller, said wire further having a pair of terminal arms extending from said guard portions and provided with aligned pivot portions engaged with said roller.

2,624,061

ANGULAR ADAPTER FOR CLEANING TOOLS

Earl Leas, Los Angeles, Calif.
Application May 14, 1949, Serial No. 93,287
4 Claims. (Cl. 15-144)



3. Connecting means comprising a tubular adapter having a long straight length provided with a short upwardly extending socketted portion at one end for the insertion of a handle means thereto, a tubular extension of considerable length telescoped into the other end of said tubular adapter and provided with a socketted portion on the protruding end for having connected therewith the butt end of the cleaning implement severed from said handle, and means for extensibly securing said extension in said adapter.

2,624,062

CLEANING ATTACHMENT FOR TOOTHBRUSHES

Walter A. Knoderer, Akron, Ohio
Application August 19, 1946, Serial No. 691,417
6 Claims. (Cl. 15-167)



5. A tooth cleaning device of the character described, comprising a relatively rigid supporting member of substantial length and having one face of broad lateral area outwardly unobstructed in the direction normal to said face for fitting snugly against a correspondingly shaped face of the handle of the usual toothbrush, an elongated core secured to one end of said member to extend freely therefrom and having bristles extending radially therefrom to provide a brush body adapted to be received in the space between two teeth caused by loss of a tooth, said member having an off-set portion at said one end thereof to provide a shoulder engageable with the free end of a toothbrush handle resting against said unobstructed face of the member, and spaced bands of elastic material yieldingly expanded over said member for releasably attaching the member to the toothbrush handle.

2,624,063

SUCTION NOZZLE FOR SUCTION CLEANERS

Jan van der Heem, Voorburg, Netherlands
Application June 13, 1947, Serial No. 754,357
In the Netherlands May 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 10, 1966
5 Claims. (Cl. 15-373)

1. A suction nozzle for a suction cleaner comprising, in combination, a suction tube, a generally rigid, substantially flat bottom plate having a suction opening therein, the bottom plate ex-

tending both laterally and in a fore and aft direction for substantial distances outward from the end of the suction tube, a deformable diaphragm of highly resilient material extending flatwise and covering the entire bottom plate, said diaphragm including a central, integral, tubular extension through which it is connected

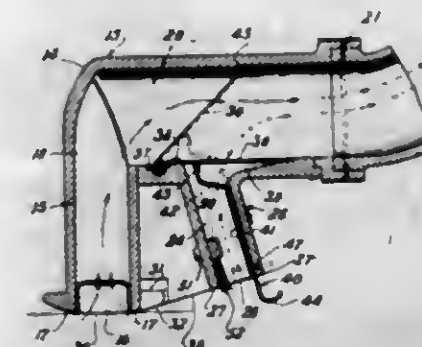


to the suction tube, said diaphragm with its tubular extension constituting the sole means of connection of the bottom plate with the suction tube, and being sufficiently yielding to enable the suction tube to have limited bodily and universal tilting movement relative to the bottom plate.

2,624,064

VALVED CLEANING TOOL FOR SUCTION CLEANERS

Eugene L. Snyder, Fort Lauderdale, Fla., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 10, 1948, Serial No. 32,143
4 Claims. (Cl. 15-417)



1. A surface cleaning tool comprising a body, a first and second nozzle in said body, a tubular wand mounted on said body connecting said nozzles to a source of suction, said nozzles being arranged in different planes disposed at an angle to each other and movable into operative position with the surface to be cleaned, valve means mounted on said body independently of said wand for selectively connecting said nozzles to the source of suction when said nozzles are in their respective operative positions, and valve operating means engageable with the surface being cleaned and responsive to such engagement upon movement of one of said nozzles into its operative position on the surface to be cleaned to shift said valve means and control communication of said nozzles with the source of suction.

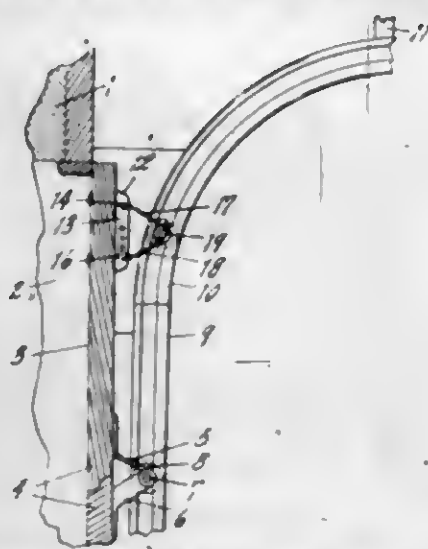
2,624,065

ADJUSTABLE ROLLER SUPPORTING BRACKET FOR VERTICALLY MOVABLE DOORS

Charles C. Moler, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.
Application June 28, 1950, Serial No. 170,889
1 Claim. (Cl. 16-97)

An adjustable bracket for mounting a guide roller on a door comprising a base member of channel-shaped cross section adapted to be secured to the door with its flanges projecting

therefrom, said flanges having holes formed therein at longitudinally spaced points therealong, a first support member pivotally secured to one end of said flanges on said base member by a pin passed through the holes at that end of said flanges, a second support member pivotally



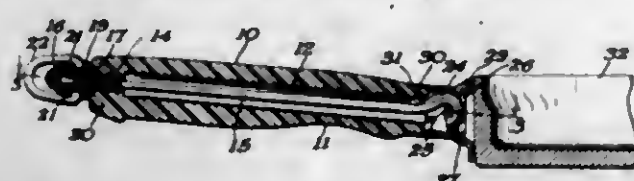
ly and releasably engaged with said flanges on said base member by a second pin passed selectively through other holes in said flanges, and a pintle pin connecting the distal ends of said support members and supported thereby and projecting beyond the end of the door and adapted to carry a roller.

2,624,066

HANDLE FOR COOKING UTENSILS

Clifford W. Fry, Wooster, Ohio, assignor to The Buckeye Aluminum Company, Wooster, Ohio, a corporation of Ohio

Application January 25, 1950, Serial No. 140,496
2 Claims. (Cl. 16-114)



2. In a handle for a utensil, a piece formed with a depression therein defining a pocket and the portion of the piece adjacent the pocket forming a flange for permanent affixation of the piece to a utensil, a plate-like member mounted in the pocket, a loop constituting an eye formed on the plate and extending through an opening in the wall of the pocket forming piece, and a handle portion comprising a rod-like member forming a draw bolt, the end of the rod member being arcuately formed into a hook in engagement with the loop.

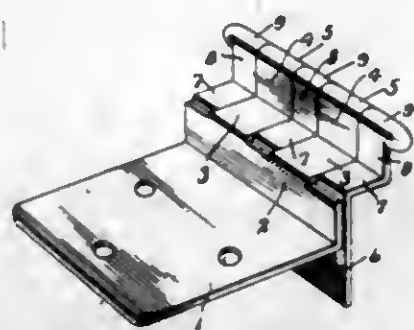
2,624,067

HINGE

Leslie E. Tassell, Grand Rapids, Mich.
Application October 31, 1949, Serial No. 124,649
1 Claim. (Cl. 16-135)

A hinge comprising, a hinge leaf having a body of flat metal, said body having a section integral therewith at one end extending at right angles therefrom, and a plurality of narrow spaced sections extending from the first mentioned section at right angles thereto, in a plane parallel to said body, each of said narrowed sections terminating in extensions integral therewith disposed in a plane parallel to the first mentioned section, each extension terminating in a pintle

receiving roll, and a second hinge leaf having a flat body located at right angles to the body of the first hinge leaf when the leaves are closed, and parallel to the first mentioned section thereof, said second hinge leaf having a plurality of narrowed spaced sections at one end, located in a plane at right angles to the body of the second leaf, each terminating in an end portion disposed



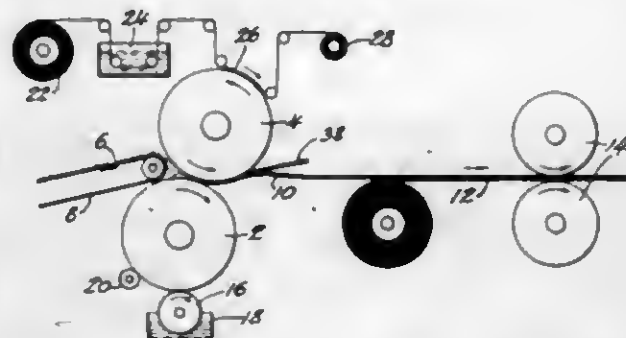
in a plane parallel to and spaced from the plane of the body of second leaf, said narrowed sections of the second hinge alternating with and located in the plane of the narrowed sections of the first leaf and each also terminating in a hinge roll, the rolls of the two hinge leaves being located in longitudinal alignment for the passage of a hinge pintle therethrough.

2,624,068

APPARATUS AND PROCESS OF PRODUCING CALENDERED LINOLEUM MATERIALS

Joseph F. Dobry, Langhorne, Pa., assignor to Sloane-Blabon Corporation, Hutchinson Mills, N. J., a corporation of Delaware

Application February 8, 1950, Serial No. 143,080
11 Claims. (Cl. 18-2)



11. Mechanism for producing a calendered linoleum product comprising a pair of rotatable calender rolls, means for separating a calendered sheet from said rolls, means located adjacent each of said rolls for applying a cleaning agent thereto and means for removing such agent and any adhering composition from said rolls so as to cause both rolls continuously to present freshly cleaned surfaces to composition calendered thereby.

2,624,069

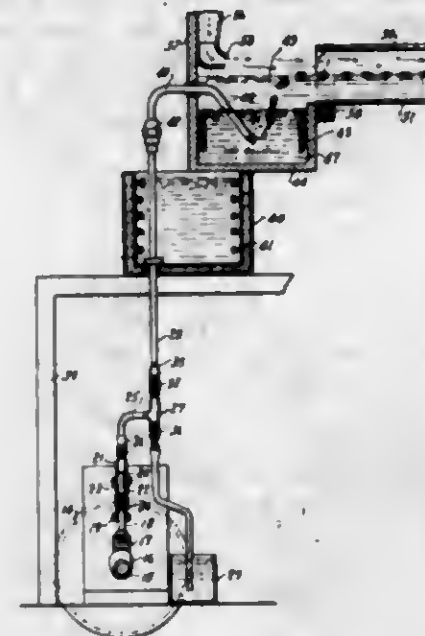
METHOD AND APPARATUS FOR FABRICATING SEAMLESS CAPSULES

Carl E. Fisher, Jr., Royal Oak, Mich., assignor to Industrial Sound Systems, Inc., Cleveland, Ohio, a corporation of Ohio

Application October 8, 1948, Serial No. 53,439
12 Claims. (Cl. 18-5)

1. In a capsulating apparatus having a chamber adapted to contain superposed layers of congealable capsule forming liquid and a cooling liquid immiscible therewith and a device for introducing refrigerated content substance of lower

specific gravity than the cooling and capsule forming liquids into the capsule forming liquid so that it passes upwardly through same and the



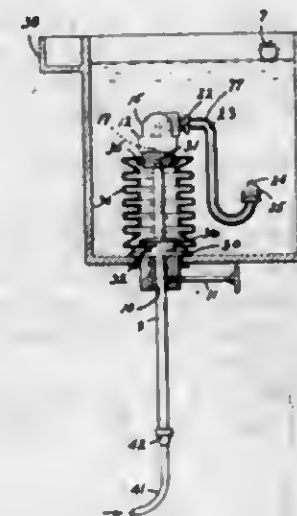
cooling liquid whereby to form a capsule, and pneumatic means for propelling the formed capsules along the surface of the cooling liquid.

2,624,070

SPINNING OR EXTRUSION APPARATUS

Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application June 4, 1951, Serial No. 229,821
10 Claims. (Cl. 18-8)



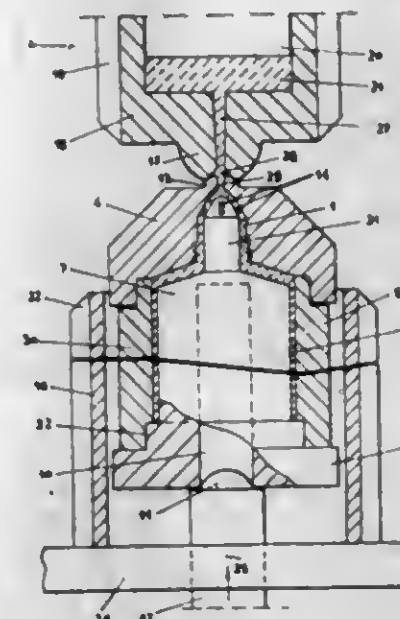
1. Apparatus for converting a film-forming material into films, filaments, and the like comprising a container having an aperture in the bottom wall thereof, an extrusion plate, means for supplying a film-forming material to the extrusion plate comprising duct means extending through the aperture upwardly into the container and coupling means for connecting the extrusion plate in communication with the duct means, an axially collapsible and expansible sleeve of a flexible liquid-impervious material surrounding a portion of the duct means extending above the aperture, means for connecting the upper end of said sleeve with the duct means in sealed relationship, and means for connecting the lower end of the sleeve in sealed relationship with a surface of the container surrounding the aperture.

2,624,071

DEVICE FOR MANUFACTURING FLEXIBLE CONTAINERS FOR SYNTHETIC PLASTIC MATERIALS

André Strahm, Villeneuve, and Albert Quinche, St. Sulpice, Switzerland, assignors to Unitubo S. A., Vevey, Switzerland, a corporation of Switzerland

Application March 30, 1951, Serial No. 218,319
In Switzerland March 31, 1950
8 Claims. (Cl. 18-30)



1. A device for manufacturing articles from thermo-plastic materials comprising a cylinder part within which an article is to be formed and having an inner wall and an outer wall, said inner wall and said outer wall being each provided with respective fitting means, a cap member interchangeably engageable with one of said fitting means at one end of said cylinder part, a male member including an extension and provided with a base having a socket, a ball-shaped element engageable with said socket to move said male member into said cylinder part, said extension projecting into said cap member, said male member providing a predetermined space between it and said inner wall of said cylinder part, said extension providing a space between it and the inner wall of said cap member, said base being engageable with the other of said fitting means of said cylinder part, whereby said cap member and said male member are respectively assembled with said cylinder part in close fit, said cap member being provided with a ball-shaped element having a passageway for registry with a recess of injection molding means, whereby thermo-plastic material may be introduced from the latter into said cap member and for filling said spaces, respectively, provided between said male member and said cylinder part, as well as between said extension and said cap member.

2,624,072

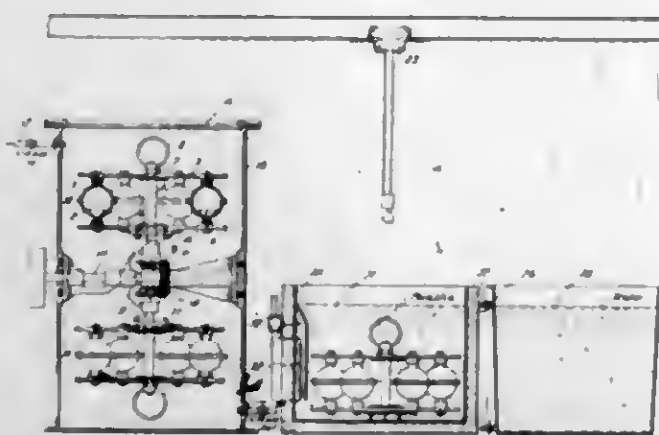
METHOD OF MAKING HOLLOW PLASTIC ARTICLES

Claude Delacoste, Paris, and Yves Cornic, Asnières, France, assignors, by means of assignment, to Vinyl-Cast, Inc., Akron, Ohio, a corporation of Ohio

Application January 20, 1951, Serial No. 207,022
1 Claim. (Cl. 18-58.3)

In a method of producing a hollow plastic article, the steps which comprise subjecting to

compound motion a closed non-porous mold having an initial temperature not substantially exceeding 95° F., and containing a fluid mixture of a thermosetting vinyl chloride resin and a plasticizer until the mold walls are completely wetted with the mixture and increasing the temperature of the mold to between about 110° F. and 212° F. while continuing such compound

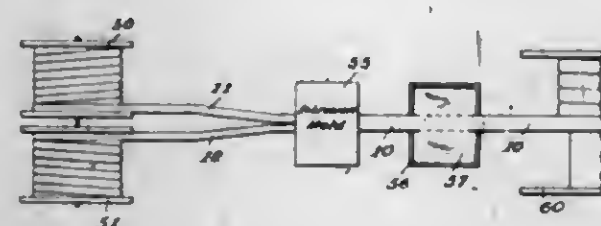


motion until the fluid mixture is completely congealed on the mold walls, then submerging the mold while quiescent in a liquid bath heated to a temperature of from about 320° F. to 400° F. until the mixture is completely cured and then cooling the mold to a temperature below 250° F.

2,624,073

METHOD OF MANUFACTURING PLURAL HOSE

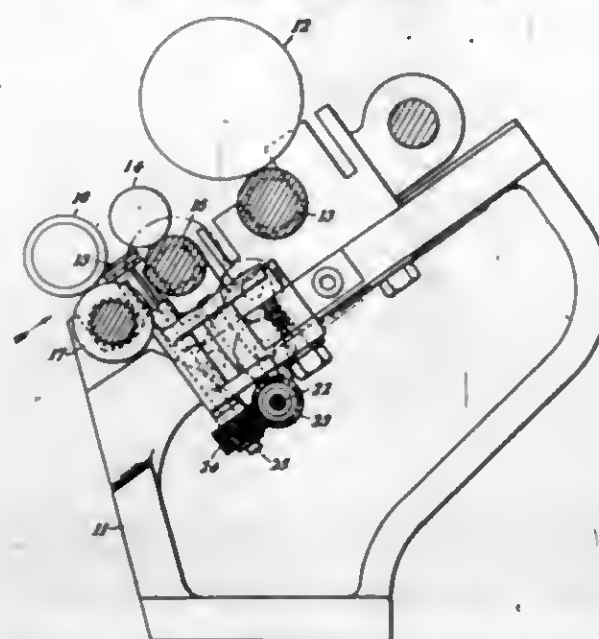
William J. Pugh, Piedmont, Calif.
Original application August 26, 1949, Serial No. 112,475. Divided and this application November 3, 1950, Serial No. 202,633
2 Claims. (Cl. 18-59)



1. The method for the manufacture of a dual hose having two differently colored rubber hoses joined throughout their length in spaced relationship by a transparent, non-adhering, unitary, plastic connecting jacket comprising the following successive steps: longitudinally aligning two differently colored hoses in uniformly spaced relationship, progressively feeding said longitudinally aligned hoses through an extrusion mold, simultaneously maintaining said uniform transverse relationship and extruding, at an elevated temperature, a relatively thin, unitary connecting jacket of non-adhering, transparent material, plastic at said elevated temperature, completely about said differently colored hoses including the space therebetween, and finally cooling the article so formed sufficiently to bring same to room temperature to contract said unitary connection jacket into firm non-bonded engagement with the outer walls of said rubber hoses.

2,624,074 ROLLER-TYPE DRAFTING APPARATUS OF TEXTILE SPINNING AND ANALOGOUS MACHINERY

William Harold Watson, Helmschore, Rossendale, England, assignor to T. M. M. (Research) Limited, Helmschore, Rossendale, England
Application September 23, 1950, Serial No. 186,393
In Great Britain October 3, 1949
13 Claims. (Cl. 19-130)

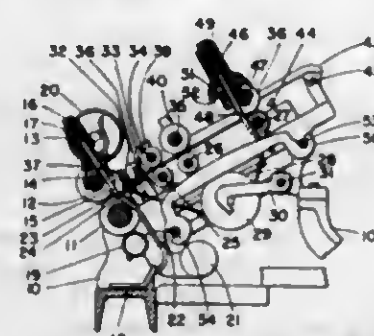


1. In a textile drafting apparatus a pair of co-operating drafting rollers and a pair of contra-rotating control rollers disposed in relation to said drafting rollers, so that the nip of the control rollers is at, or approximately at, right angles to the nip of the drafting rollers, and so that the working faces of one of said pairs of rollers project beyond the adjacent tangent plane of the other pair of rollers towards the nip of the latter, the rollers of at least one of the pairs including bosses and the width of the bosses of one of said pairs of rollers being less than the spacing between the axes of the other pair of rollers.

2,624,075

UNIVERSAL SPINNING FRAME

Whitworth F. Bird, Swarthmore, Pa., and Philip T. Bodell, Lynbrook, N. Y., assignors to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 4, 1947, Serial No. 726,416
1 Claim. (Cl. 19-131)

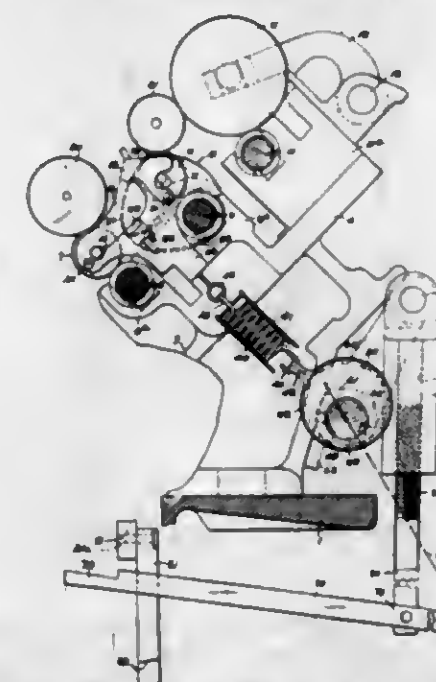


In a single apron type drafting frame for strands of textile fibers, a front drawing off means comprising a driven front roll and associated top roll forming a nip for fibrous strands, fiber control means positioned rearwardly of said drawing off means and comprising an apron support mounted close behind said nip, a plurality of driven rolls comprising a rearward driven roll located rearwardly of said apron support and a plurality of driven rolls intermediate said rear-

ward roll and said apron support, said rearward roll and said intermediate rolls being individually adjustable toward and away from said apron support, and toward and away from each other, an apron looped about the apron support and said rearward driven roll, means including a rear top pressure roll located exterior of the apron loop forming a nip with the rearward driven roll, additional fiber control means including a rotatable, non-ratch forming, slip draft roll superposed to the apron rearwardly of said apron support and forwardly of said rear top pressure roll for contacting and controlling fibers of strands being drafted without excessive loading of the apron, means for guiding said rear top pressure roll, weighting means having a portion extending lengthwise of the frame so that pressure may be applied to said rear top pressure roll for a ratch forming position of less than three inches to a ratch forming position in excess of five inches, means for driving said driven rolls in any of their adjusted positions, separate weighting means for said front top pressure roll and said rear top pressure roll and means for adjusting the position of said rear weighting means independently of said front weighting means, said adjusting means including a notched bracket extending lengthwise of the frame and positioned below the center lines of the driven rolls and a hook element in operative engagement with said notched bracket and with said rear pressure roll weighting means.

2,624,076 ROLL LOADING SYSTEM FOR TEXTILE DRAFTING AND SPINNING FRAMES

Edward G. Whittaker, New Rochelle, N. Y.
Application February 21, 1948, Serial No. 10,035
3 Claims. (Cl. 19-135)

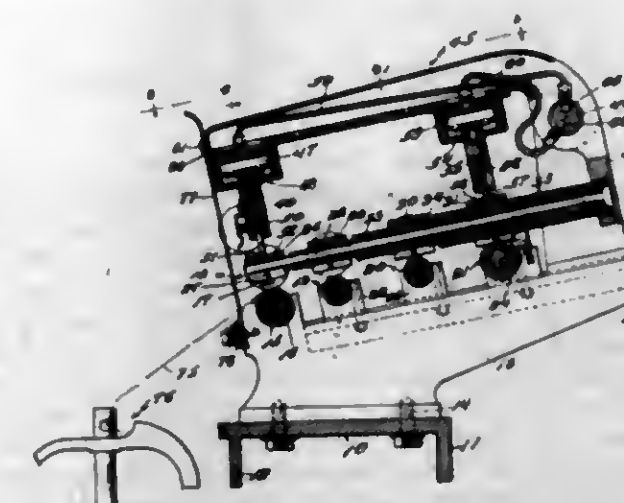


3. A top-roll carrier loading system for textile roll frames having a plurality of roll and upper carrier sets distributed lengthwise along them, comprising for each carrier a coil spring connected at one end to the lower portion thereof and a spring conditioning unit connected to the other end of the spring, said unit including an eccentric cam and encompassing collar, a common rock shaft element extending lengthwise of the frame and having the cams of the conditioning units angularly fixed thereon each with capacity for individual angular adjustment, and manual means to turn the shaft element in one and the opposite direction thereby simultaneously to rock all of the eccentric cams to tension and de-tension the carriers accordingly.

666 O. G.-5

2,624,077 DRAFTING FRAME

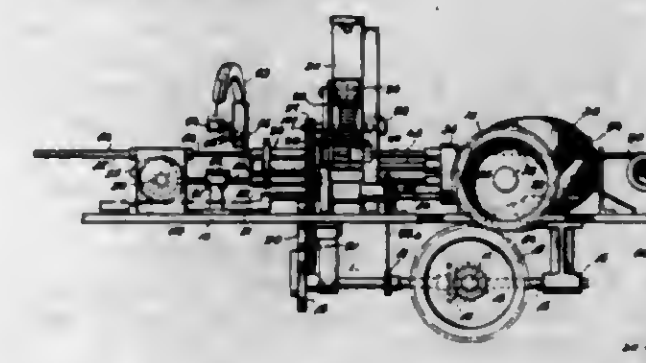
Albert E. Winslow, Greenville, S. C., assignor to J. P. Stevens & Co., Inc., a corporation of Delaware
Application September 17, 1949, Serial No. 116,263
9 Claims. (Cl. 19-135)



1. In a drafting frame, pairs of front and back rolls, an arm for supporting the upper roll of the front pair of rolls, means to pivotally mount said arm at a location back of the back rolls, another arm for supporting the upper roll of the back pair of rolls, means to pivotally mount said other arm at a location back of the back rolls, said arms telescoping one within the other, and fluid means for applying pressure on said arms to weight said upper rolls.

2,624,078 MACHINE FOR COMPRESSING AND ASSEMBLING TAMPONS

Mahlon A. Winter and Sylvester S. Snyder, Chambersburg, Pa., assignors to Sanitary Tampon Corporation, Chambersburg, Pa., a corporation of Pennsylvania
Application August 8, 1947, Serial No. 767,410
27 Claims. (Cl. 19-144.5)



24. In combination, in an apparatus for compressing tampons or the like and assembling the same with applicators therefor, a plurality of spaced tampon receiving means, a movable turret for supporting said tampon receiving means, means for intermittently moving said turret to successively advance each of said tampon receiving means to a selected station, means for ejecting a tampon from said receiving means at said station, means cooperating with said ejecting means for assembling said ejected tampon with an applicator, said last mentioned means being positioned adjacent said selected station, and means for ejecting said assembled tampon and applicator from said last mentioned means.

2,624,079

MANUFACTURE OF AIR-LAID FELTS

Thure C. Duvall, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware

Application August 16, 1949, Serial No. 110,610
10 Claims. (Cl. 19-155)



1. Apparatus for forming air-laid fiber felts comprising a movable endless conveyor on which fibers are deposited to build up a mat, a plurality of deposition chambers aligned over said conveyor in which fibers suspended in air are allowed to deposit on the conveyor, and feeding means for each chamber to introduce fibers suspended in air and to inject them into each chamber, the end chambers having said feeding means at one end only for injecting the fibers in alignment with the conveyor for dispersal therein and settling therefrom, the feeding means of the two end chambers being arranged to feed in opposite directions.

2,624,080

SELF-ADJUSTING CROSS BRIDGE

George E. Eichenlaub, Beaumont, Tex.

Application December 22, 1945, Serial No. 636,731
11 Claims. (Cl. 20-9)



1. A bridge for bracing and staying a plurality of spaced joists comprising a brace member having an arch-shaped portion intermediate the ends thereof and terminating at one end in a pair of spaced piercing teeth and terminating at the other end in a cutting member, said piercing teeth constituting spaced shiftable centers about which said cutting member is adjustable, and a spacing finger outstruck from said brace member adjacent said teeth for measuring the position of application of said piercing teeth to the side of a joist.

2,624,081

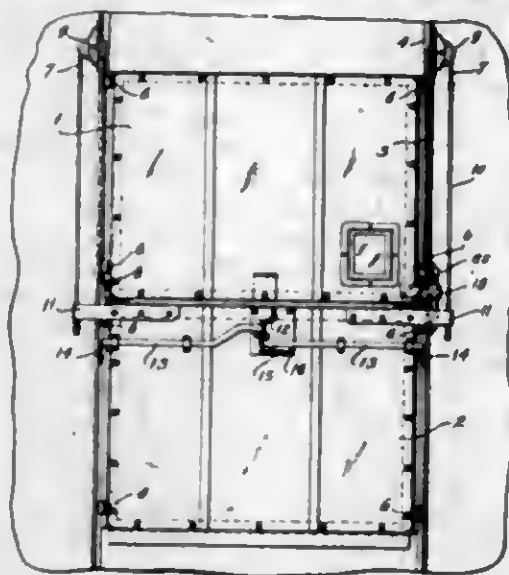
ELEVATOR SHAFT DOOR

Julius A. Schweig, Clayton, Mo., assignor to Security Fire Door Company, St. Louis, Mo., a corporation of Missouri

Application March 27, 1947, Serial No. 737,581
2 Claims. (Cl. 20-19)

1. In a door construction comprising counter-balanced upper and lower door sections slidable vertically in opposite directions to open and close in unison and means for manually locking the lower door section in closed position, the combination therewith of a latch plate on said upper door section, an arm on said lower door section, a latch lever, a cam on said lever engaged by said arm upon the vertical sliding movement of said lower door section to closed position, a hooked detent formed at one end of said latch lever and movable therewith from a normal retracted position into a position engaging said latch plate for locking the upper door section in closed position, and spring means acting on said lever in response

to the vertical sliding opening movement of the lower door section and arm away from said cam for moving the lever and return said hooked detent to normal retracted position out of the path of movement of said latch plate while the door



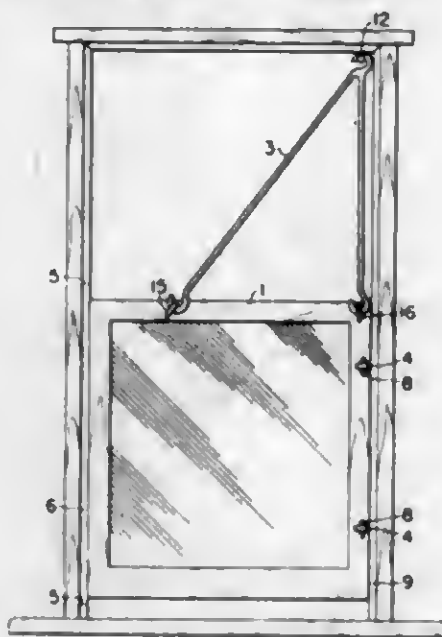
sections are out of closed position, said hooked detent being actuated by said cam and arm into locking position substantially simultaneously with the sliding movement of both upper and lower door sections into closed position in unison.

2,624,082

WINDOW

Roy E. Cheesman, La Fayette, Ind.

Application November 20, 1947, Serial No. 787,065
3 Claims. (Cl. 20-42)



1. A window comprising a frame, sliding sashes, means for solely and stably suspending the sashes, each from a point in the upper edge of the window frame substantially above it, removable stops, connection means on the sashes and corresponding connection means on the frame, and detachable open links connecting said connection means, thereby forming a double hinge.

2,624,083

KNOCKDOWN SHELF AND CABINET STRUCTURE

William D. Butler and Grace Butler, San Francisco, Calif.

Application January 24, 1949, Serial No. 72,367
4 Claims. (Cl. 20-92)

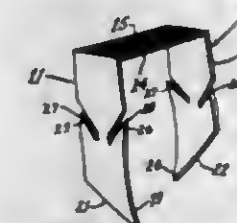
1. A corner member comprising a pair of joined laterally opening channel portions ex-

2,624,085

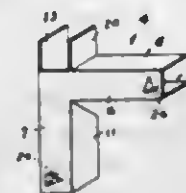
STAPLE FOR ATTACHING BUTTONS

Richard Feiner, New York, N. Y.

Application May 10, 1949, Serial No. 92,377
3 Claims. (Cl. 24-94)



1. A device for fastening a button to a shirt, said device comprising: a staple formed from a strip of flat, relatively narrow, readily deformable, non-corrosive material having a crossbar and depending legs, the legs being adapted to telescope through the holes of the button and being at right angles adjacent the crossbar, each leg being provided with downwardly converging angular slits defining biased portions, the biased portions being so positioned that when the legs are folded the biased portions will extend past the legs, the tips of the legs being slightly inwardly bent, and being cut on opposite biases, the tips being so adapted that when the legs are folded the tips will embrace the material and lie adjacent to each other without overlapping.



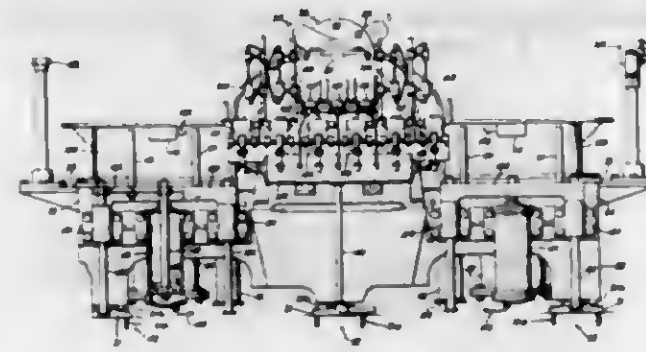
tegrally with the outer side walls of said portions at their adjacent ends and projecting outwardly of said outer side walls at their juncture, said projections being respectively coplanar with the inner and outer side walls of said other portion of said pair for receiving a frame member therebetween extending across the juncture between said webs and oppositely outwardly of said portions and said portions each being adapted to receive a frame member therein in adjoining relation at the adjacent ends of said portions and at an angle to each other corresponding to the angle between said portions.

2,624,084

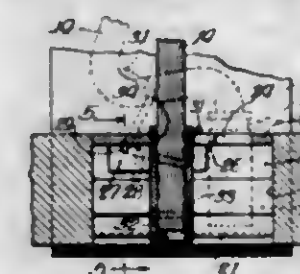
MOLD AND COREMAKING MACHINE

John R. Row, Elmira, N. Y.

Application October 21, 1948, Serial No. 55,661
10 Claims. (Cl. 22-10)



10. A molding machine comprising a transverse shaft, two rollover tables hinged on said transverse shaft in opposed relation to each other, each of said tables having associated therewith and arranged to be rotatable therewith first cooperating fluid pressure piston and cylinder mechanisms for effecting jolt operation at the respective table, and each of said tables having associated therewith and arranged to be rotatable therewith second cooperating fluid pressure piston and cylinder mechanisms, means for causing either of said second piston mechanisms to be operated in a first direction for squeeze operation, and means for causing either of said second piston mechanisms to be operated in a second direction for pattern draw operation.



2,624,086

CORD ATTACHMENT FOR VENETIAN BLINDS

Edward E. Schaefer, Oak Park, Ill.

Application January 18, 1949, Serial No. 71,516
5 Claims. (Cl. 24-123)

1. In a Venetian blind, a rail having a slot therein and a detachable fastening device for securing the end of a lift cord to said rail comprising a ferrule adapted to be secured to an end of a raising and lowering cord and having a groove in its outer periphery, a channel-shaped member secured in the rail opening and having a slot in the horizontal wall thereof, said slot having an enlarged portion to freely admit said ferrule and a portion of reduced size into which said ferrule may be moved for secured engagement with the channel member, and locking means for retaining said ferrule in said secured engagement comprising a U-shaped member having its free ends pivotally secured to the vertical walls of the channel and movable to and from locking position, the cross portion of the U-shaped member extending over and across said reduced slot portion when in locking position to prevent movement of the ferrule into the enlarged slot portion.

2,624,087

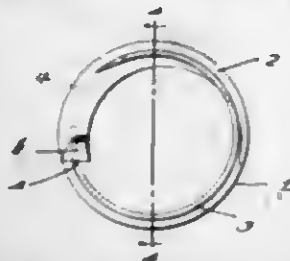
PIN

Hugh E. Love, Jr., Pasadena, Calif.

Application July 20, 1950, Serial No. 174,959
1 Claim. (Cl. 24-150)

An article of the character described comprising a button body having a back face, an arcuate

flange rising from said face in the nature of a helix from a low end to a high end, and a pin having an end secured to said face at the said high end of the flange and rising in a helix of the same hand as and in spaced relation with the



flange, said flange at the high end thereof having an end face disposed at an angle of approximately 45° with respect to the adjacent face of the button body, the said secured end of the pin having a shank portion entering and embedded in the button body at the bottom of said inclined face.

2,624,088

IDENTIFICATION CLIP

Sidney Zuckerman, Freehold, N. J., assignor of one-third to Albert C. Nolte
Application January 30, 1951, Serial No. 208,515
1 Claim. (Cl. 24-153)

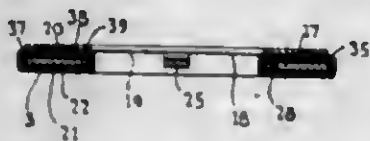


In a device of the character described, a substantially Z-shaped clip comprising an upper, connecting and lower portion, a pointed tongue extending from said upper portion, a circular opening in said connecting portion, a locking flange extending from said lower portion, said parts so arranged so that when said clip is collapsed said tongue passes through said opening and is bent towards the free end of said lower portion, said locking flange adapted to be folded over said upper portion to lock said parts in their collapsed position.

2,624,089

METHOD OF MAKING FABRIC COVERED BUCKLES

William Eaton, Glen Head, N. Y.
Application March 3, 1948, Serial No. 12,750
1 Claim. (Cl. 24-163)

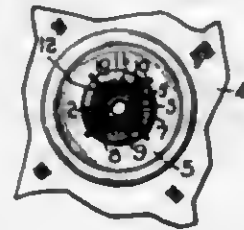


The method of forming a buckle having one side exhibit a cover of a desired dress goods which comprises first thermo-plastically adhesively applying a pattern to desired dress goods, then cutting in accordance with the pattern for size and to form desired tabs, then placing a buckle frame, provided with a tacky coating, with the tacky coating positioned away from the pattern and the dress goods, symmetrically on the pattern, then folding over the formed tabs and the corners and free edges of the dress goods and pattern in position to be adhesively attached to the frame and then thermo-plastically adhesively applying over the turned-over portions a hollow finishing rectangle.

2,624,090

EASY ACTION SNAP FASTENER

Walter I. Jones, Somerville, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application November 14, 1949, Serial No. 127,119
8 Claims. (Cl. 24-217)

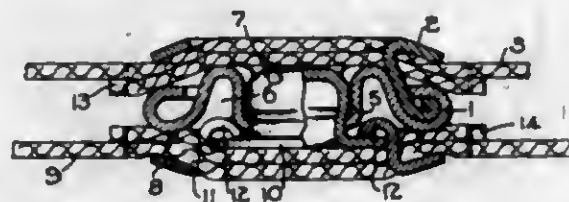


1. A one-piece snap fastener socket member for engaging a snap fastener stud having a substantially cylindrical shank and a bulbous nose, said socket comprising an annular ring portion and a reversely extending axial stud-receiving barrel connected at one end by a bight portion to said ring portion and provided at its opposite end with a non-circular stud-receiving aperture bordered by a plurality of intumed free edges, said barrel having a plurality of radial slits extending from said aperture into said bight portion to divide said barrel into a plurality of radially movable resilient fingers, the free edge of each of said fingers being flat and of single thickness and extending on a continuous line between adjacent slits and the central point of said edge being radially inward of other portions thereof to make single point contact with the cylindrical surface of a stud shank or nose and being radially movable under like forces by a stud inserted into or withdrawn from said stud-receiving opening.

2,624,091

SNAP FASTENER STUD INSTALLATION

Harold S. van Buren, Jr., Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 5, 1948, Serial No. 42,566
1 Claim. (Cl. 24-219)

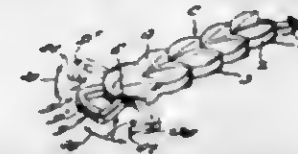


A snap fastener stud installation comprising a flexible sheet material support, a stud member having a laterally extending base flange bearing on one face of said sheet material support, and an attaching ring bearing on the opposite face of said sheet material support, the inner edge of said ring being substantially outside any projection of the peripheral edge of said base flange into the plane of said ring, said attaching ring having attaching prongs extending from and spaced about the inner edge thereof through said sheet material support, said prongs being curled over to overlie said base flange to secure said stud member and said attaching ring to opposite faces of said sheet material support and to secure a ring portion of said sheet material support between the peripheral edge of said base flange and said inner edge of said attaching ring.

2,624,092

END CLASP FOR BRACELETS OR THE LIKE

Charles Duerr, Glendale, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application May 6, 1949, Serial No. 91,741
8 Claims. (Cl. 24-235)



5. An end clasp for use with a watch bracelet and capable of attaching said bracelet to apertured watch lugs of different widths comprising a housing having an opening with a restricted width at the end of said housing remote from said bracelet body, a pair of hubs coaxially rotatably mounted in said housing and extending up to but not beyond said opening, thereby being completely contained within said housing, an arm on each hub extending out through the opening in said housing substantially longitudinally with respect to said bracelet body and having an inner surface for grasping the sides of a watch lug, said arms being movable toward or away from one another to varying degrees so as to grasp or release watch lugs of different widths, and fingers on said arm projecting toward one another in a transverse direction, said fingers being adapted to move into the aperture of a watch lug to a greater or lesser degree as said arms are moved toward and away from one another, and a spring active on said arms to urge them toward one another into a grasping position, the divergence of said arms when moved away from one another against the action of said spring being limited by engagement between said arms and the sides of the opening in said housing, said fingers projecting toward one another so as to be substantially colinear with one another as said arms move from their grasping position, the inner surfaces of said fingers making an abrupt angle with the inner surfaces of their respective arms and said fingers having a radius of curvature not substantially less than the distance from said fingers to the pivot point of said arms.

2,624,093

GARTER CLASP

Walter I. Hatch and Edna B. Hatch,
North Sacramento, Calif.
Application September 10, 1951, Serial No. 245,798
1 Claim. (Cl. 24-246)



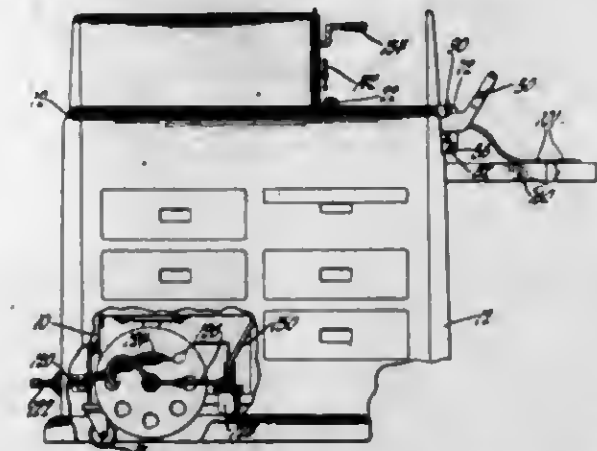
A garter clasp comprising an elongated element formed throughout solely of plastic material having flexibility and resiliency and relatively non-elastic and having cooperative clasp- ing means including a buttonhole consisting of a button passage and a clasp slot extending therefrom and formed in one end portion, and a button having a head and a neck and formed integrally with the other end portion of said

element, a ribbon of garter elastic, said element having a width greater than said ribbon and including integral securing means provided in the central portion for the ribbon of elastic, said element being foldable centrally of its length for cooperation between the clasp- ing means, said securing means comprising a central transverse slot formed centrally of the length of the element and including four spaced transverse slots formed in one half of the element containing the button, and three spaced transverse slots formed in the other half containing the buttonhole and registrable with three of said four slots, with the most distant slots from the center of the element being located approximately halfway between the center and ends of the element, and a strip of garter elastic threaded through said central slot and transversely through the registrable slots to secure the elastic in adjusted position as desired and secure the respective halves together intermediate the length with the end portions free for operation of the clasp- ing means.

2,624,094

CLAY EXTRUSION MACHINE

Robert F. Smith, Grosse Pointe Woods, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 21, 1948, Serial No. 55,808
11 Claims. (Cl. 25-11)



1. In a machine for extruding plastic material, an extrusion cylinder, a hinged-clamping plate adjacent one end of said cylinder, means carried by the hinged-clamping plate for holding an extrusion-die for movement with the hinged-clamping plate, means for locking the hinged clamping-plate and extrusion die in fixed position adjacent said end of the cylinder, and a fluid pressure actuated plunger in said extrusion-cylinder for extruding plastic material from said cylinder through said extrusion die.

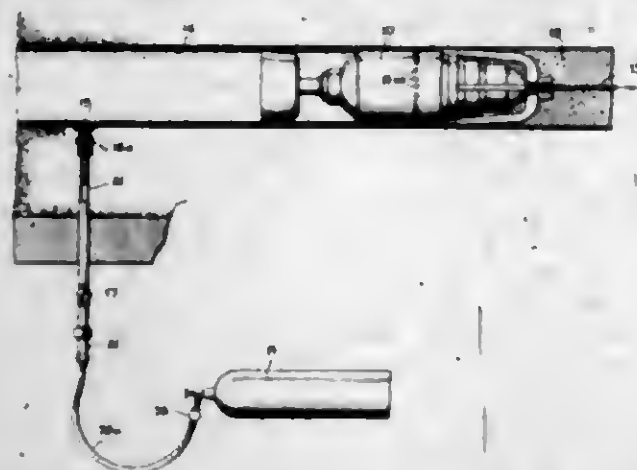
2,624,095

METHOD OF LINING WITH CEMENT MORTAR UNDERGROUND CONDUITS HAVING BRANCH LINES

James P. Cummins, Scarsdale, N. Y., assignor to Centriline Corporation, New York, N. Y., a corporation of Delaware
Application December 7, 1951, Serial No. 260,490
4 Claims. (Cl. 25-38)

1. In the lining, in situ with cement mortar, of underground conduit having a branch pipe connection, the combination of method steps which comprises: spreading mortar under pressure onto the inside walls of the conduit to form the lining and also thereby filling the end of said connection with mortar; and then while the mortar in such connection is still in a rela-

tively soft condition, bringing such connection into communication with a high pressure source of gas forcefully to project the mortar from the



connection and distribute same onto and into the mortar lining on the opposite wall in the conduit to form a permanent part of such lining.

2,624,096

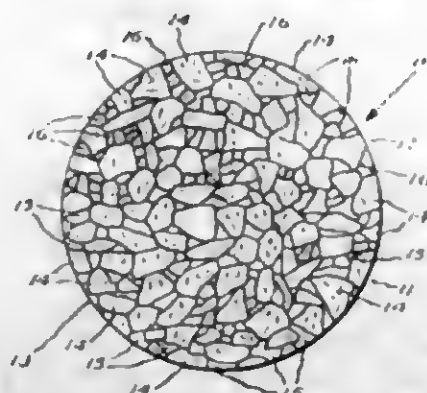
ADJUSTABLE WALE CONSTRUCTION FOR SEPTIC TANK FORMS

Philip N. Sitten, Dayton, Ohio
Application January 19, 1951, Serial No. 206,839
3 Claims. (Cl. 25-130)



1. A form wall for molds comprising, a wall section which is adapted to be flexed for adjustment of the same relative to a cooperating form wall to vary the space therebetween, a beam including a back portion arranged adjacent said wall section, a plurality of support members secured to said wall section and attached to said beam, said support members being spaced along said beam, a truss rod extending longitudinally of said beam and engageable therewith at spaced points, a bridge on said beam contacting the back portion of said beam and adapted to be placed under stress by a change in the effective length of said truss rod, said beam being dimensioned relative to its length and cross section so as to be flexed upon a change in the effective relative length of said rod, a movable member engageable with said truss rod and said beam for changing the effective relative length of said rod, said change in effective length of said rod being transmitted to said beam whereby said beam is caused to be flexed to change the spacing between said wall section and said cooperating form wall.

2,624,097
METHOD OF MAKING DENSE, HARD, ABRASION RESISTANT CERAMIC ARTICLES
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 9, 1951, Serial No. 205,211
1 Claim. (Cl. 25-156)

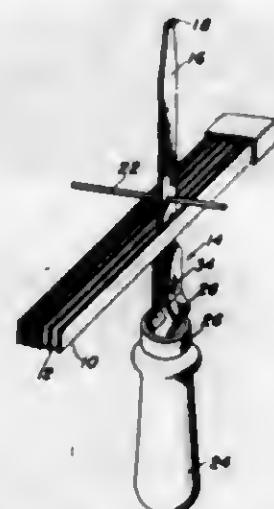


Method of making a dense hard abrasion resistant ceramic article which comprises shaping a body out of at least 30% by volume of granules at least 97% by weight pure of zirconium oxide which is at least 80% by weight stabilized zirconium oxide characterized by having a crystal structure predominantly in the cubic system and the oxide having crystallized from a fusion of zirconium oxide containing ore with calcium oxide as a stabilizing agent, the quantity of calcium oxide being from 3% to 6% by weight of the amount of ZrO_2 in the ore, the calcium oxide being in solid solution in the zirconium oxide crystals, compacting and firing the body to cause said granules to grow together apart from any bond included therewith, then impregnating said body on at least one surface with molten glass to a depth of at least one-sixteenth of an inch, the glass being fluid enough so as to fill the interstices between granules with glass without any anastomosing pores to said depth of one-sixteenth of an inch.

2,624,098

REED KNIFE

John V. Isley, Graham, N. C.
Application August 2, 1950, Serial No. 177,168
1 Claim. (Cl. 28-45)



A warp drawing hook comprising a blade formed with a notch intermediate its ends for the reception of the thread, a handle, a pair of resilient supports secured in said handle and receiving the lower end of said blade, means yieldingly securing said blade to said supports whereby the hook is gradually and automatically advanced along the successive splits in the reeds in response to an up and down movement of the

hook, said supports including plates having upper edges inclined in the same direction and spaced from the blade, said means including vertically disaligned apertures in said support plates and vertically spaced, oppositely extending laterally bowed portions struck from said blade in opposite directions and engaged in said apertures, said plates being yieldably tensioned and urged toward said blade, and a stop on the upper end of said blade limiting downward movement thereof.

2,624,099

LOCKING DEVICE FOR TOOLHOLDER CARRIAGE OPERATING IN BOTH DIRECTIONS

Charles William Berthiez, Paris, France
Application June 28, 1946, Serial No. 679,943
In France October 5, 1945
3 Claims. (Cl. 29-1)



1. In a machine tool or the like, the combination with a supporting carriage, a quadrant pivotally mounted on said carriage, a tool holder supported on said quadrant for movement along a path extending in a plane transversely of the pivotal axis of said quadrant, and a plurality of means for releasably fastening the quadrant to the carriage, said means being positioned laterally of said tool holder and radially outward with respect to said pivotal axis and symmetrically with respect to said path of movement, said tool holder having a portion disposed outwardly thereon in relation to said fastening means in a given direction along said path of movement of said holder and adapted to support a tool for engagement with a work piece, of means carried by the carriage for releasably clamping said quadrant to said carriage positioned adjacent said tool supporting portion of said tool holder and engaging a part of said quadrant that is between said releasable fastening means and said tool supporting portion along said path of movement of said holder and that is spaced from said path in the direction parallel to said axis to allow movement of said holder along its path without interference with said releasable clamping means.

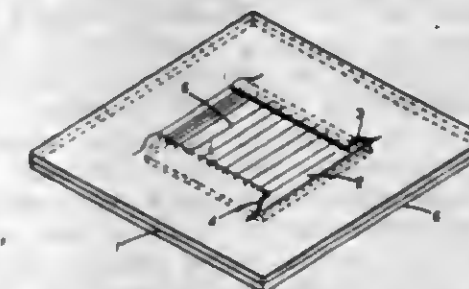
2,624,100

GRID ELECTRODE FOR ELECTRON DISCHARGE DEVICES

Christopher Henry Foulkes, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 18, 1945, Serial No. 573,459
In Great Britain November 2, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 2, 1963
1 Claim. (Cl. 29-25.14)

A method of making a grid for an electron discharge device which comprises cutting an open-

ing in a sheet of springy material, bending up two opposite edges of the opening to form resilient supporting bridges, bending the sheet into a small arc about an axis parallel to the bridges,

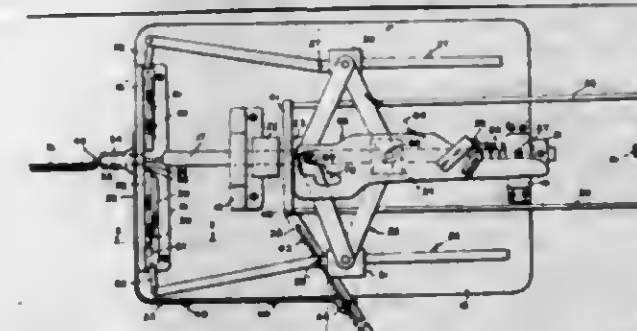


winding wire evenly round the sheet over the bridges, attaching each turn of wire to each of the bridges, removing the excess wire, and flattening out the sheet.

2,624,101

LIGHTING OUTFIT SUBASSEMBLY MACHINE

Jack Sakirsky, Bridgeport, Conn., assignor to Jacob B. Lew, Brooklyn, N. Y.
Application November 30, 1948, Serial No. 62,641
3 Claims. (Cl. 29-33)



1. In a machine of the character described, the combination with a frame, of a hook adapted to engage the bight of a bent wire covered by yieldable insulation, a hook holder movably mounted on the frame, carrying said hook extendingly therefrom along its line of movement, three members carried on the hook holder, one beyond the other along said line of movement; the first member nearest the hook and the third member furthest from the hook, being slidably mounted on the hook holder along its line of movement; the intermediate member being fixed on the hook holder and in the path of the third member so that said intermediate and third members may be in contact, a plate member having two cam contours, one at each end, pivotally mounted intermediate its ends on the hook holder, a first cam follower carried on the first member and in contact with one of the cam contours of said plate member, a second cam follower mounted on the frame and in contact with the second of said cam contours of the plate member, an insulation slitting means mounted on the frame, including a pair of blades, at least one of which is movably mounted, a wire cutting means mounted on the frame, including a pair of shearing members, at least one of which is movably mounted; said hook at normal rest position of the hook holder lying between the shearing members of the wire cutting means, between the blades of the insulation slitting means and with its hook end extending beyond said blades; the wire cutting means being positioned between the insulation slitting means and the first member on the hook holder; the three members on the hook holder, at normal rest position of said hook holder, being in predetermined spaced relation,

first spring means adapted to restore the third member on the hook holder to a predetermined position with respect to the frame, a member pivotally mounted on the frame, means on said pivotally mounted member, adapted to move the movable blade of the insulation slitting means and the movable shearing member of the wire cutting means upon movement of this pivotally mounted member, a fourth member slidably mounted on this pivotally mounted member, a pair of links pivotally mounted on said fourth member and respectively pivotally connected, one to the first member on the hook holder and the other to the hook holder; the axes of all pivotal connections of said links being parallel; the first cam contour having two spaced portions, each of which when respectively in contact with the first cam follower will maintain the first member on the hook holder in a fixed position thereon, and a third portion intermediate said two portions and a fourth portion beyond the second portion, each of which, when respectively in contact with the first cam follower will permit movement of the first member along the hook holder; the first portion of the first cam contour being furthest from the pivotal connection of the cam plate member with the hook holder; the second cam contour having a first portion in line with the line of movement of the hook holder and two other portions, each of which when respectively in contact with the second cam follower will shift the cam plate member about its axis to release the first cam follower from the first and second portions of the first cam contour respectively; the first portion of the second cam contour being furthest from the pivotal connection of the cam plate, and spring means maintaining the cam plate member in contact with both cam followers; in normal rest position of the hook holder, the first cam follower being in contact with the first portion of the first cam contour, and the second cam follower being in contact with the first portion of the second cam contour; the scope of movement of the first member on the hook holder being such that the first cam follower travels along the entire first cam contour; the intermediate member on the hook holder being so positioned that it contacts the third member on said holder and stresses the first spring means while the first cam follower is in contact with the fourth portion of the first cam contour.

2,624,102

FEED FINGER FOR AUTOMATIC SCREW MACHINES AND GRIPPING ELEMENT THEREFOR

Frank L. Green, Rockton, Ill.
Application June 29, 1950, Serial No. 171,061
8 Claims. (Cl. 29—62)



4. A gripping element for a feed finger comprising an elongated tube of resiliently yieldable material, a minor portion of the tube length at one end thereof being of reduced external diameter whereby to provide an axially facing shoulder at the junction of the larger and reduced diameters, a rigid cup of an external diameter smaller than the larger tube portion surrounding said reduced portion and having a flange

at its outer end turned inwardly at the end of said tube and forming an abutment therefor preventing endwise flow of the material, and an external flange on the inner end of said cup abutting against said shoulder.

2,624,103

TOOLHOLDER

William Bader, Birmingham, Mich., assignor to Wesson Company, Ferndale, Mich., a corporation of Michigan
Application July 29, 1950, Serial No. 176,733
3 Claims. (Cl. 29—96)



1. In a tool holder of the type comprising a cross-slide shank having a cutter head provided with a bit recess open to the work side of the head and shaped to receive an elongate bit and having an adjustable backing screw at one end of said recess, a band type holder for a carbide insert bit to be received in said recess comprising a U-shaped band of tempered steel of uniform cross-section shaped at the right to complement the exposed sides of a bit, recesses to receive the legs of said band formed in the sides of the head having base surfaces lying in planes parallel to each other and to the axis of the bit recess, a first passage through said head normal to and between said base surfaces, a free floating cross pin in said passage shorter than the width of said head extending through the legs of said U-shaped band, means in the ends of said pin to engage the edges of holes in said legs, a threaded second passage formed in said head between the bit recess and the first passage, intersecting said first passage and having an axis normal to the first passage, and screw means in at least one end of said second passage positionable on either side of said first passage to apply band tightening pressure on said cross pin in a direction normal to and away from the axis of the bit and bit recess.

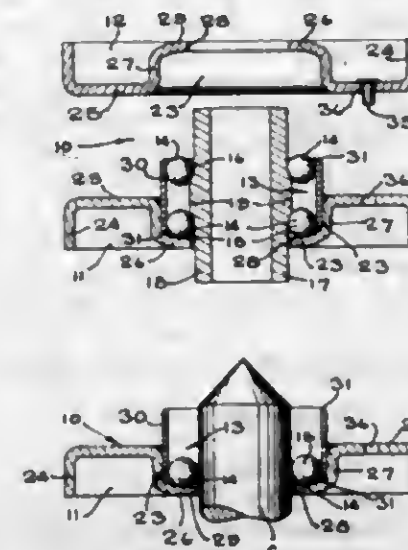
2,624,104

METHOD OF ASSEMBLING BALL BEARING WHEEL STRUCTURES

Theron E. Finstead, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application April 6, 1948, Serial No. 19,414
2 Claims. (Cl. 29—148.4)

1. The method of assembling a ball bearing wheel structure including a pair of wheel sections each having a hole, an outer race ring of greater width than the holes in said wheel section, an inner race cone provided with a shoulder intermediate its ends, and a plurality of balls; which method comprises placing a first wheel section in a substantially horizontal position with the axis of its hole arranged substantially vertical, supporting the outer race ring with its axis substantially vertical on the upper side of said first wheel section around the hole therein, arranging a ball centering pin having a conical upper end vertically within said outer race ring, positioning a first row of balls on the first wheel section in the space between the outer race ring and the centering pin, withdrawing the centering pin

downwardly through the hole in said first wheel section while simultaneously inserting the shouldered inner race cone from above in its stead and with its lower end centered on said conical upper end of the centering pin until the underside of the shoulder on the inner race cone rests

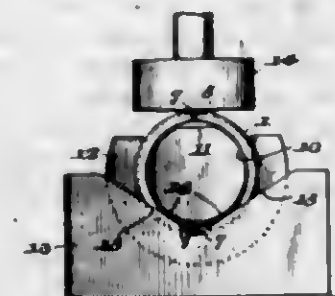


upon said first row of balls, positioning a second row of balls on the upper side of the inner race cone shoulder in the raceway defined by the outer race ring and the inner race cone, covering the second row of balls and the outer race ring with the second wheel section and securing the two wheel sections together.

2,624,105

METHOD OF PREPARING AND ASSEMBLING ANTI-FRICTION BEARINGS

Byron T. Virtue, Litchfield, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Maine
Application May 15, 1951, Serial No. 226,397
1 Claim. (Cl. 29—148.4)



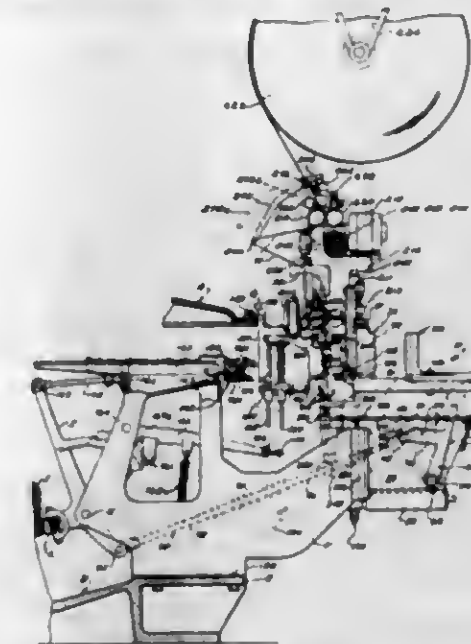
The method of preparing and assembling bearings on a crank shaft comprising forming and finishing an outer bearing race having an annular groove with tapered walls in the outer face of the race disposed at one side of the center of the race and longitudinally opposed V-notches in the ends of the race, placing a split ring in said groove dimensioned so as to engage the tapered walls thereof, supporting said race and subjecting the same to a blow for fracturing the race along the lines extending from the notches at one end of the race to the notches at the other end thereof while engaged by the split ring, removing the ring so as to separate the fractured sections, assembling the anti-friction members to be used therewith in place, reassembling the fractured sections on the crank shaft with the ends of the groove in alignment and replacing the split ring in the groove for holding the fractured sections in alignment and their fractured surfaces in mating contact.

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2,624,106

APPARATUS FOR ASSEMBLING STORAGE BATTERY ELEMENTS

Arthur D. Lund, Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application January 8, 1949, Serial No. 69,963
4 Claims. (Cl. 29—204)



3. In a machine for assembling battery plates, wherein flexible mat material is fed from a roll and folded over the plates, a supply station containing a stack of plates, a receiving unit movable in a path past said station, a stripping mechanism at said station for successively projecting one plate from the stack horizontally toward the path of said receiving unit, a gripper means movably associated with the receiving unit for reciprocation toward and away from the supply station and having means for engaging over opposite surfaces of the projected plate and transferring the plate to the receiving unit, means adjacent said station for intermittently feeding the mat material, means adjacent said station for cutting the material into mats of predetermined sizes to match plates of corresponding sizes, said feeding means disposing a flexible mat in vertical position in the path of the plate as it moves from the station to the receiving unit whereby operation of the gripper means will fold the mat over the plate, and when disengaged from the plate and mat will hold the upper flap of the folded mat downwardly, stop means having a vertically stepped upper face for engaging and positioning the mat for accurately centering the mat with plates of different sizes, means for shifting the stop means transversely of the mat for the centering of the mats for differently sized plates, and means for vertically adjusting the cutting means in accordance with the position of said stop means whereby mats of desired size are cut.

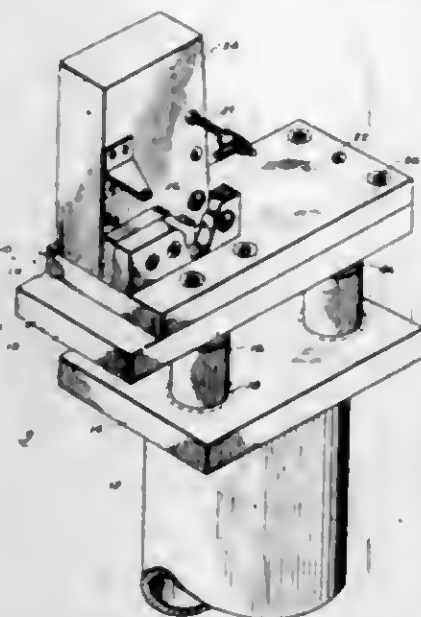
2,624,107

FIXTURE ASSEMBLY

John M. Carpenter, Donelson, Tenn., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application August 16, 1949, Serial No. 110,582
5 Claims. (Cl. 29—286)

1. A fixture comprising a rough supporting structure and a detail locator structure, said rough supporting structure comprising a post, a base plate secured to said post, a plurality of cup shaped members secured to said base plate

with their axes in generally parallel relationship, a base pad on said detail locator, a plurality of studs extending outwardly from said base pad, said studs extending into said cups, respectively, said detail locator including a mating plate adapted to be disposed in contact relationship with said base pad, a planar member secured to said mating plate formed to define a reference plane and a reference point on said plane, said reference point and reference plane

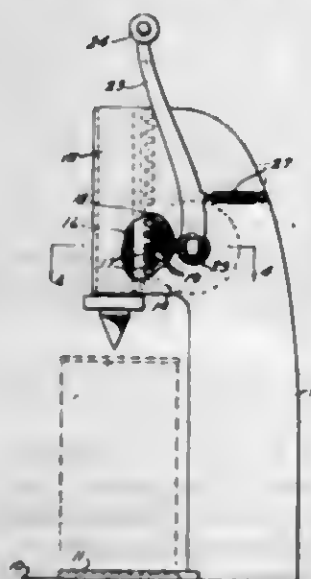


being used to locate said mating plate in a predetermined position in space with respect to said supporting structure, removable means for securing said mating plate to said base pad in predetermined relationship, and means for rigidly positioning said base pad relative to said base plate, said means including cast metal disposed in said cups while molten and contacting said cups and studs, the melting temperature of said cast metal being substantially less than that of said cups and studs.

2,624,108

CAN PUNCTURING DEVICE

Rugner E. Anderson, Orofino, Idaho
Application February 14, 1950, Serial No. 144,138
2 Claims. (Cl. 30-6.1)



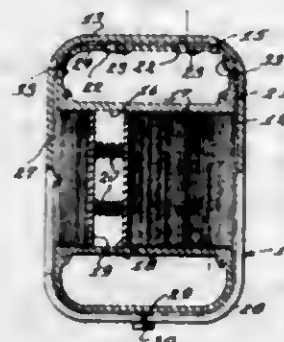
1. A can puncturing device comprising a flat base, a standard upstanding from said base, a guideway carried by said standard above said base with its center line substantially perpendicular

ular to said base, a rack bar slidably mounted in said guideway and having rack teeth on one side thereof, a pinion journaled in said standard above said rack adjacent said guideway and having teeth meshing with said rack teeth, a crank secured to said pinion to rotate the latter and move said rack bar toward and away from said base, a head of rigid construction secured on the base adjacent end of said rack bar, and two can puncturing bits detachably secured to said head at spaced apart locations and extending from the side of said head opposite said rack bar, said bits being formed as inverted triangular pyramids and having adjacent side edges arranged in parallelism with the line of movement of said rack bar, the remaining side edges of the respective bits extending downwardly from said head in converging relation to one another and to said first named side edges to form can puncturing points at the lower ends of the bits.

2,624,109

SAFETY RAZOR

Henry E. Cardenas, Kansas City, Kans.
Application October 9, 1951, Serial No. 250,465
3 Claims. (Cl. 30-40)



1. In a safety razor, a body formed with a transverse cavity adapted to receive a plurality of razor blades in stacked relation parallel to the sides of the body, a head at one end of the body, said body being formed with a continuous flat passage extending around its periphery and through said head, the passage being opened at the side edges of said head and said head being arranged so that a razor blade in the head passage portion will have its side edges exposed, a flat, thin, flexible band of substantial width slidably positioned in said passage for movement therealong, said body being formed with a peripheral slot of substantial length opening into said passage and extending therealong, and a projection secured to said band and extending outwardly through said slot, whereby the band may be moved through said passage by moving the projection through said slot, the end of said band being arranged to engage the endmost blade in one end of said transverse cavity and to push the blade into said head responsive to an initial movement of said projection, and to push the same blade into the other end of said cavity responsive to continued movement of the projection.

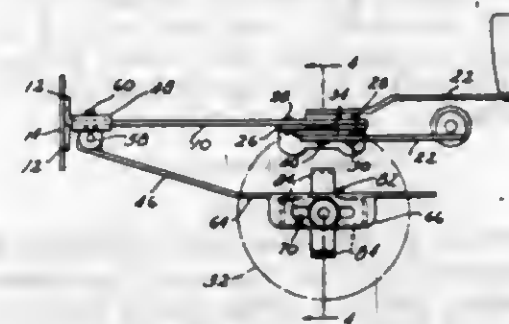
2,624,110

CAN OPENER ATTACHMENT

Edward L. Acker, Los Angeles, Calif.
Application October 3, 1950, Serial No. 188,205
3 Claims. (Cl. 30-124)

1. A can opener attachment of the character described comprising in combination: an extension arm, means for movably connecting one end of said arm to a can-opener-carrying support;

a movable shaft mounted along said arm spaced from said end at a point adapted to be disposed above the top of a can to be opened; a can-attachable lift element secured to said shaft; means for centering said lift element along said arm in relation to the can top; resilient means



for raising the lift element when holding a severed can top; other means for adjusting the tension of said resilient means; and means disposed between the extension arm and support so as to urge the two apart whereby the lift element with severed can top attached thereto will carry the same out of alignment with the open can.

2,624,111

SCRAPER WITH RESILIENT SHIELD AND HAND REST

Henry R. Weeks, Coronado, Calif., assignor of one-half to John L. Weaver, San Diego, Calif.
Application May 23, 1947, Serial No. 750,002
3 Claims. (Cl. 30-171)

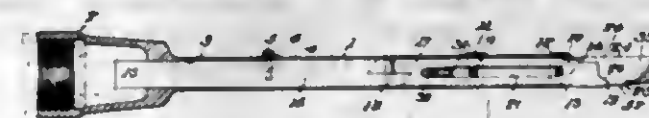


1. In a scraper of the class described, the combination of a handle, a shaft connected with said handle, clamping plates secured on the extending portion of said shaft opposite to said handle, blade means having a scraping edge secured intermediate said clamping plates, securely held therebetween and extending outwardly thereof, a resilient shield and hand rest having a portion angularly disposed relative to said shaft provided with an opening therein through which said shaft is extended, said opening forming a binding bearing, said shield and hand rest having a straight edge spaced from said opening and compressively engaging one of said clamping plates while being held securely against said blade means and extending beyond the scraping edge thereof providing a shield for the operator's hand when bearing adjacent said blade means during forceful application of said blade means to the work.

2,624,112

BOLT CUTTER

Peter Lazarevich, Guilford, Conn.
Application May 11, 1951, Serial No. 225,831
10 Claims. (Cl. 30-182)

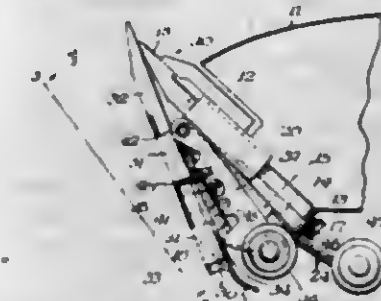


1. A bolt cutter comprising an outer casing, an internal bevel at one end of said casing, a longitudinal bore through the casing, a piston slidable in the bore, means for manually moving said piston and projecting therefrom, a blade on the piston, an overlapping head fixed to said casing, and a blade fixed in said head, the parts being so constructed and arranged that the piston blade cooperates with and is opposed to the fixed blade in cutting operation and the piston may be partially retracted by said first named means.

2,624,113

COMB ATTACHMENT FOR HAIR CLIPPERS

Adelmo Giorgi, Highwood, Ill., assignor, by direct and mesne assignments, of five-twelfths to Battista Pasquesi, Highwood, and one-sixth to Harley V. Dee, Great Lakes, Ill.
Application February 11, 1947, Serial No. 727,824
9 Claims. (Cl. 30-201)



1. In combination with a hair clipper which includes a plate having well defined side edges; a comb attachment for said clipper comprising a support; retractable clamp means reciprocally mounted on said support and releasably engaged with the side edges of said plate; a structurally independent toothed comb and a carrier for mounting said comb on said support with the toothed portion of the comb in coactive relation with the outer margin of said clipper plate, said carrier being fulcrumed on said support whereby to permit tilting movement between the carrier and the clipper during cutting operations.

2,624,114

SHEARS

Paul Althausen, Brooklyn, N. Y.
Application February 1, 1950, Serial No. 141,620
1 Claim. (Cl. 30-257)

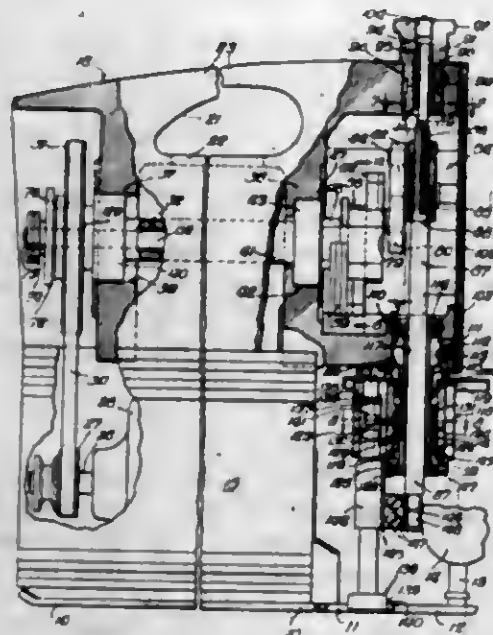


A pair of shears comprising, a first blade, a second blade, a transverse member pivotally connecting the blades at one end thereof, an extension in line with the first blade, a laterally offset extension of the second blade, a finger receiving bow carried upon the free end of the straight extension and a thumb receiving bow upon the free end of the offset extension, said bows lying in parallel, laterally spaced planes.

2,624,115

PORTABLE RECIPROCATING CUTTING MACHINE

William P. Gallagher and Curt J. Courant, Chicago, Ill., assignors to International Register Company, Chicago, Ill., a corporation of Illinois
Application August 20, 1951, Serial No. 242,686
10 Claims. (Cl. 30-273)



1. A cutting machine comprising a rotary crank, means for rotating said crank, a first sleeve pivotally connected to said crank, a plunger threaded to said sleeve and guided for reciprocal movement, a cutting tool operatively associated with said plunger for reciprocation therewith, and a second sleeve within which said plunger is guided for reciprocal movement, said second sleeve having portions engaging said plunger to connect said plunger and second sleeve for conjoint rotational movement while permitting relative linear movement, said second sleeve and plunger being conjointly rotatable relative to said first sleeve upon manual actuation of said second sleeve to vary the disposition of said plunger and said tool with respect to said first sleeve and said crank.

2,624,118

CUTTER HOLDER

Max H. Steinke, New Brunswick, N. J.
Application August 23, 1948, Serial No. 45,757
3 Claims. (Cl. 30-320)



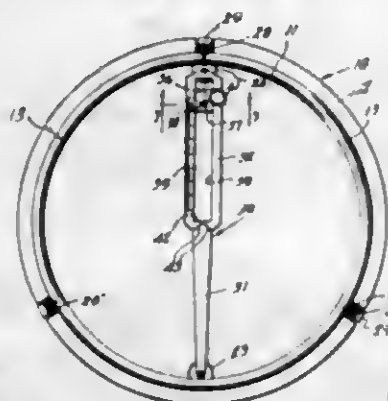
1. A cutter holder including a casing comprising a pair of complementary rectangular plate members in juxtaposed facing relation and having cooperating recesses and beveled corners on the corresponding longitudinal edges thereof, one of said plate members having transverse slots extending across the inner surface along the short dimension of said plate member, said other plate member having rectangular recesses parallel to said slots and extending along the inner surface and opening toward the short edges thereof, a plurality of pins mounted in said rectangular recesses and forming positioning grooves therebetween.

tween, said pins being shorter than the height of said recesses, an apertured cutter blade between said plate members, and a resilient metallic arm member having a plurality of protuberances engaging said apertures for location in said transverse slots, said arm member having opposite bent end portions adapted for selective location in said positioning grooves by slidable movement of said arm member to expose various portions of said blade in said first mentioned recesses and corners and beyond the longitudinal edges of said plate members.

2,624,117

DEVICE FOR DRAWING CIRCLES

Beniamino M. Paol, Caracas, Venezuela
Application June 18, 1950, Serial No. 168,424
3 Claims. (Cl. 33-27)



1. A device for drawing circles comprising an upstanding base in the form of a ring and adapted to rest upon a drawing table, there being a groove extending inwardly of and completely around the internal surface of said ring between the top and bottom of the latter, a member positioned within and extending diametrically across said ring and carrying rotatable rollers in rollable contact with said groove for rotatably connecting said member to said ring, said member being provided with an opening conformably shaped to accommodate a pointed end of an inscribing element and extending transversely therethrough intermediate its ends, and spaced horizontally disposed feet arranged exteriorly of said ring adjacent to and above the bottom of the latter and pivotally connected to said ring intermediate their ends for movement from the horizontal position to an upstanding position to thereby slightly elevate the base ring from a drawing table.

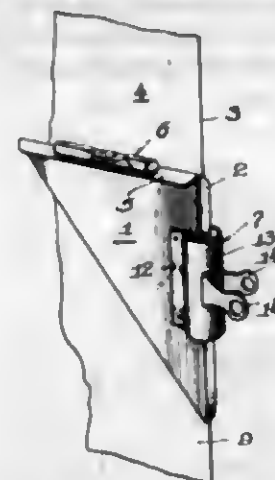
2,624,118

PLUMBING DEVICE FOR USE IN HANGING WALLPAPER

Chester Sig Anderson, St. Charles, Ill.
Application May 2, 1949, Serial No. 90,826
2 Claims. (Cl. 33-89)

1. A device for plumbing and aligning sheets of wallpaper applied to the side walls of an enclosure, comprising a substantially triangular-shaped frame of rigid material having two adjoining sides with one side adapted to be positioned in a vertical plane and the other in a horizontal plane at the upper edge of the frame, a flange provided along said vertical side and projecting rearwardly to align with a longitudinal edge of the wallpaper, a ledge projecting from and forwardly of the horizontal side, a spirit level mounted on said ledge, and means adjacent said flange for clamping said member upon a sheet of wallpaper adjacent the lower end thereof with said spirit level disposed transverse of the sheet

and the flange of the frame disposed along and aligned with a longitudinal edge of the sheet, positioned within the case and normally spaced from one another; and a vertically slidable member associated with one of the surfaces having a lateral projection integral therewith travel-

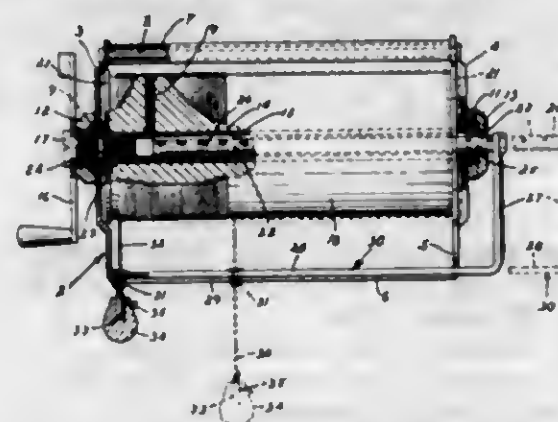


whereby when the spirit level is in a horizontal plane the longitudinal edge is vertically disposed.

2,624,119

MEASURING INSTRUMENT

Amiel W. Magnuson, Minneapolis, Minn.
Application February 27, 1950, Serial No. 146,457
4 Claims. (Cl. 33-126.5)



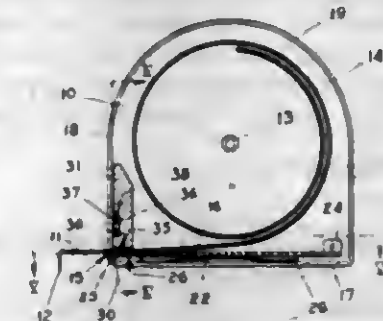
3. A measuring instrument comprising a frame including spaced end members having bearings therein, a hollow shaft mounted in said bearings and carrying a reel, a crank secured to one end of said shaft, said shaft being internally threaded and having one end of an elongated measuring element mounted therein, said element having indicating marks thereon spaced equi-distant apart the length of said element, the axial spacing between said indicating marks corresponding substantially to the pitch of the internal threads of the shaft, said measuring element having an enlarged head at its inner end received in threaded engagement with the internal threads of said shaft, a line guide secured to the opposite end of said element and movable therewith, when the instrument is in use, and a line coiled about said reel and having one end secured thereto adjacent one end thereof and having a running connection with said guide, the diameter of said line being substantially equal to the pitch of the threads of said shaft whereby a predetermined length of line is unwound from the reel each time the reel is rotated one revolution, said indicating marks visually indicating to the operator the total length of line unwound from the reel.

2,624,120

MEASURING DEVICE

Lindley E. Mills, Kalamazoo, Mich.
Application May 4, 1949, Serial No. 91,313
8 Claims. (Cl. 33-138)

1. In a case for a flexible tape, the combination including: a pair of tape-braking surfaces

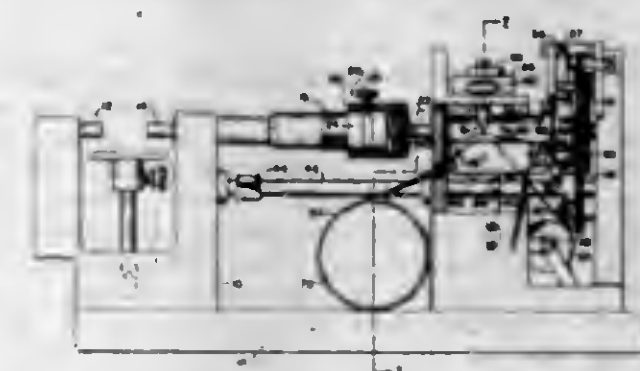


ing in a vertical guide slot in a side of the case and adapted when slid downwardly to cause the tape-breaking surfaces to grip a section of a tape within the case between them to retard its longitudinal movement.

2,624,121

MICROMETER MEASURING DEVICE

Max Knobel, Arlington, Mass., assignor to K T Laboratories, Inc., Boston, Mass., a corporation of Massachusetts
Application November 18, 1948, Serial No. 60,259
8 Claims. (Cl. 33-164)

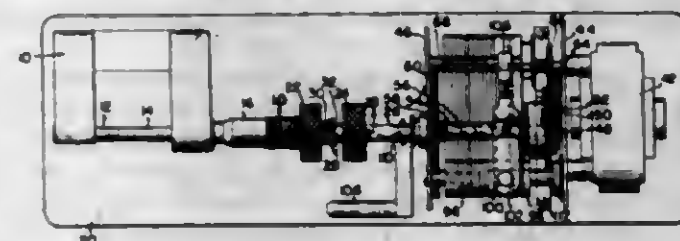


1. A measuring device comprising a micrometer including a frame and a spindle threaded in the frame, a shaft, coupling engaging the spindle and the shaft, a coiled stressed torsion spring connected to said shaft, a rotatable member connected to said spring, means for rotating said member to transmit torque through said spring to said shaft, and interengaging stops mounted on said shaft and member to prevent relative rotation thereof in one direction, whereby said shaft and spindle may be driven in one direction solely through said spring and in the reverse direction without employing the spring.

2,624,122

INSPECTION GAUGE

Max Knobel, Arlington, Mass., assignor to K. T. Laboratories, Inc., Boston, Mass., a corporation of Massachusetts
Application August 23, 1947, Serial No. 770,288
7 Claims. (Cl. 33-164)



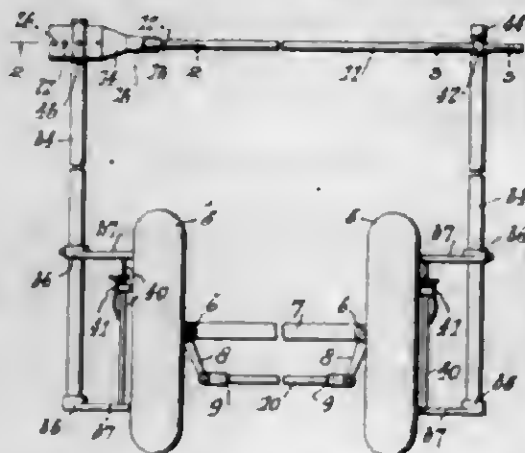
1. A recording gage comprising a screw micrometer, a motor, connections between the motor

and the micrometer screw, a marker, means for moving the marker in accordance with the motion of the screw, means for causing rotation of the motor by a substantially uniform amount for each gaging operation, means operated at the limit of movement of the motor for effecting a marking operation of the marker, and slip means to permit operation of the motor after engagement of the screw with a piece to be gaged.

2,624,123

WHEEL ALIGNMENT SIGNALING MEANS

Edward D. Wilkerson, Orange, N. J.
Application January 16, 1950, Serial No. 138,753
9 Claims. (Cl. 33-203.2)



7. In apparatus of the character described, a signal control bar structure comprising a rod member and a tubular member into which said rod member is slidably telescoped, means for attaching each said member on one wheel of a pair of steering wheels so that as the planes of rotation of the wheels are tilted relatively one to the other incidental to adjustments of wheel alignment the members will be caused to move relatively one to the other along their common axis in one direction or the other, wheel alignment indicating scale markings on said members, means adjustably securing one said member on its wheel attaching means so that it can be initially set to separate the scale markings a distance equivalent to the amount of movement of adjustment known as necessary to be imparted to the wheels in order to establish proper wheel alignment, and means effective during adjustment of a wheel alignment and when the scale markings are brought into position to indicate that the desired wheel alignment has been attained to signal to an attendant or attendants at points remote from said scale markings and possibly including a position beneath an automobile on which the bar structure is mounted that the desired alignment has been attained.

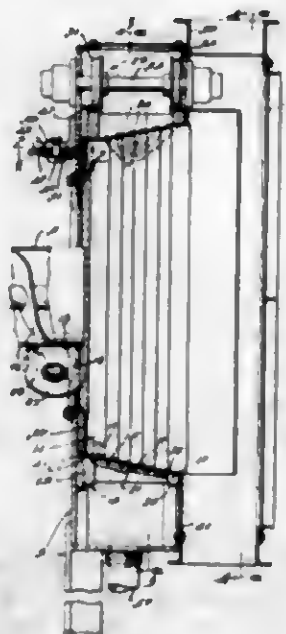
2,624,124

ROTARY DRIER

Henry F. Irving, Saginaw, Mich., assignor to Baker Perkins, Inc., Saginaw, Mich., a corporation of New York
Application September 16, 1948, Serial No. 49,613
8 Claims. (Cl. 34-135)

1. Apparatus for completely removing moisture from solid materials, including a frame, a drum rotatably supported on said frame and into one end of which such material is adapted to be fed, said drum having openings formed in the peripheral wall thereof, a mechanism connected with said drum for rotating said drum so that the material fed therein will be centrifugally held against the peripheral wall thereof when said

drum is rotated, a member connected with said drum for rotation therewith and movable axially for moving the material therein from the inlet end thereof to the discharge end thereof, means for oscillating said member axially of said drum



during the rotation thereof, and means for conducting and transmitting hot gases from exteriorly of the drum through the openings in the peripheral wall of the drum and layer of material supported thereon.

2,624,125

SCREW THREAD GAUGE FOR ROOT AND CREST MEASUREMENTS RELATIVE TO THE PITCH LINE

Paul W. Johnson, Bloomfield, Conn., assignor to The Johnson Gage Company, Bloomfield, Conn., a corporation of Connecticut
Application March 1, 1949, Serial No. 78,983
7 Claims. (Cl. 33-199)

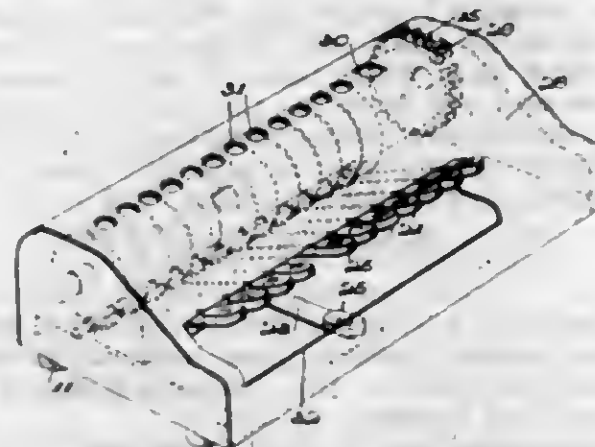


1. A screw thread gage for a threaded test part comprising a frame, a pair of spaced cooperating means carried by the frame to hold a test part therebetween, one of the pair of cooperating means being a cone form to engage in a single thread groove and the other being a V form to engage the flanks of a single thread of the test part opposite the cone form, one of the cooperating means being fixed to the frame, mounting means resiliently supporting the other cooperating means for movement towards and away from the fixed cooperating means, the cooperating means engaging the flanks of the test thread at or approximately at the pitch line, the fixed cooperating means having a form to engage two flanks of the test thread at one peripheral point, the movable cooperating means having spaced points engaging two flanks of the thread of the test part at each of two spaced points around the periphery thereof, the fixed cooperating means having a central passage therein, a movable plunger within the central passage of the fixed cooperating means to engage the test thread at a limiting thread dimension, and an indicator connected with the plunger to indicate the position thereof.

2,624,126

TOY DEVICE FOR TEACHING MULTIPLICATION TABLES

Charles S. Bolognino and Secondo M. Bolognino, Dearborn, Mich.
Application May 3, 1950, Serial No. 159,822
2 Claims. (Cl. 35-31)

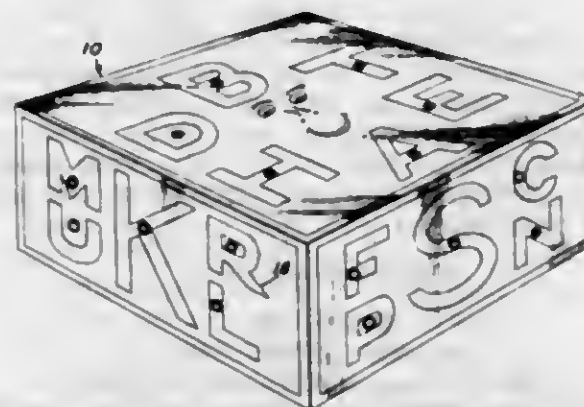


1. In a device of the character described, the combination with a cylinder, of a rod mounted beneath said cylinder, a shutter fashioned from a flat, sheet-metal strip formed at a point intermediate of its ends with a sleeve having one end portion of the strip extending rearwardly therefrom to provide a lever and the other end portion of the strip curving upwardly and forwardly from said sleeve to provide an arcuate shutter plate resting at its lower end portion upon the inner end portion of the lever, said sleeve being journaled upon said rod and pivotally mounting the shutter thereon, and yieldable means normally holding said lever to incline upwardly and rearwardly from said rod and maintain said shutter plate close in front of said cylinder in closed position, said lever being adapted to be depressed for rocking said plate forwardly away from said cylinder to open position.

2,624,127

ALPHABET GAME DEVICE

Hisashi H. Okahara, Hilo, Territory of Hawaii.
Application August 29, 1950, Serial No. 182,105
1 Claim. (Cl. 35-35)



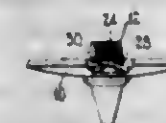
An alphabet game device comprising a housing, indicia means on said housing designating the letters of the alphabet, signal means on said housing, a source of electrical energy, switch means associated with each of said letters, each of said switches including three normally spaced apart contact elements, a common circuit conductor connected to one terminal of said source of energy and to the first contact element of each of said switch means, circuit means connecting said signal means in series circuit relation between the other terminal of said source of energy and the second contact of the switch as-

sociated with the A indicia, circuit means connecting the third contact of each switch means with the second contact of the next succeeding switch excepting the last switch in the series, the third contact of the last switch of the series being connected to said common circuit conductor, each of said indicia means having a bore, switch actuating means insertable in said bores, said actuating means initially bridging said first and second contacts, further insertion of said actuator means removing the bridge between said first and second contacts and moving said second contact into engagement with said third contact.

2,624,128

CALK FOR GOLF SHOES

Fred C. Phillips, Stoughton, Mass.
Application June 3, 1949, Serial No. 97,040
2 Claims. (Cl. 36-59)

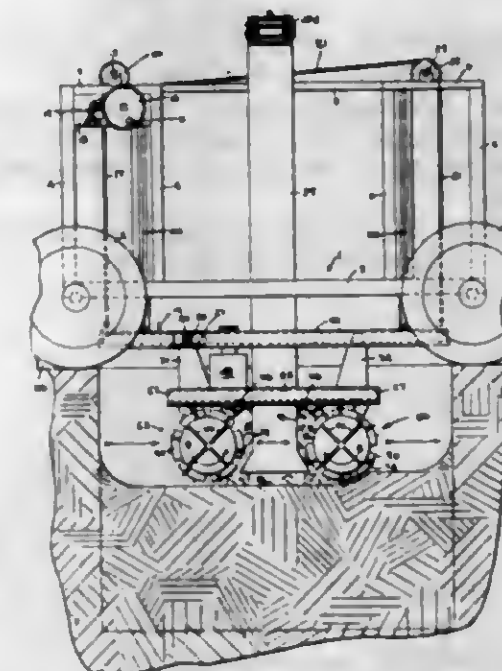


1. In a calk for a golf shoe having a concave base plate with an uninterrupted rim and a screw-threaded spindle projecting up from the center thereof, a plurality of bosses projecting up from the concave face of said plate but not above the plane of the rim, each said boss having a side sloping toward its direction of motion when the calk is being screwed into place and an opposite side with a steeper slope.

2,624,129

ROTARY GRAVE-DIGGING EXCAVATOR

George A. Steece, San Francisco, Calif.
Application November 17, 1947, Serial No. 786,450
12 Claims. (Cl. 37-95)

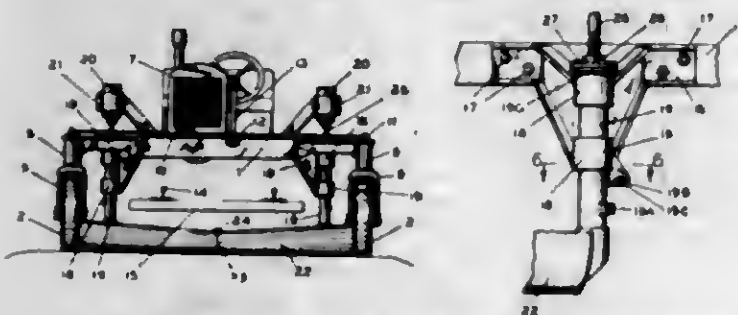


1. A grave digger comprising a pair of earth digging rotors in side by side relationship adapted for digging into the ground upon rotation of said rotors and upon lowering said rotors into the ground, means for rotating said rotors, means supporting said rotors for reciprocation horizontally transversely of their axes during said rotation, means for so reciprocating said rotors, means supporting said rotors for bodily downward movement during said rotation, and conveyor means for moving the earth dug by said rotors away from the latter.

2,624,130

**FLOW ADJUSTMENT FOR RAILWAY
BALLAST REMOVING MACHINES**

Lee A. Perier, Sunnyside, Wash.

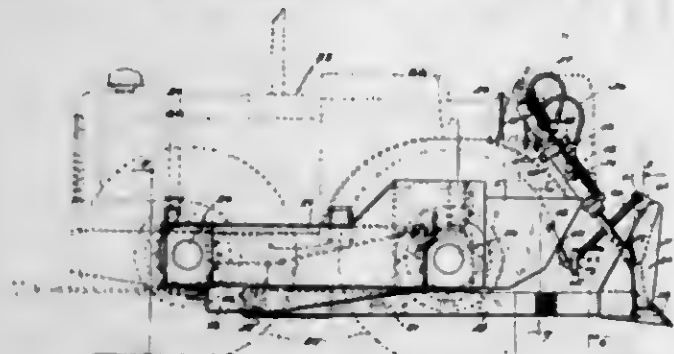
Application July 26, 1950, Serial No. 175,965
2 Claims. (Cl. 37-104)

1. A ballast removing machine, comprising a frame supported on wheels located beyond the sides of the railroad tracks, brackets formed with bearings on each side of the frame, bars depending from and rotatably mounted in the bearings, scrapers secured to the lower ends of the bars, hydraulic motors including depending piston rods on the frame in alignment with the bars, the upper end of each bar having a plate formed with an opening, the lower ends of the piston rods being threaded and passed through the openings in the plates, nuts on the threaded ends of the piston rods to engage the upper and lower surfaces of the plates to clamp the piston rods to the bars, the piston rods and bars being rotatable in the associated bracket bearing, detachable means at the forward ends of the scrapers to lock the scrapers together when said scrapers are swung into V formation for scraping, and means between the bars and the brackets to secure the scrapers in elevated position when the detachable means between the scrapers is released and the scrapers swung outwardly to a position parallel with the frame.

2,624,131

**BULLDOZER WITH PUSH FRAME
STABILIZER MECHANISM**

Harvey W. Rockwell, Cedar Rapids, Iowa, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, a corporation of Delaware

Application March 3, 1948, Serial No. 12,740
8 Claims. (Cl. 37-144)

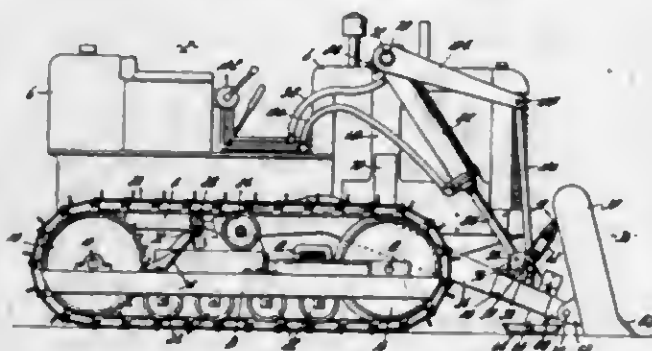
1. The combination with a tractor having a main frame, of a push frame extending longitudinally of said tractor beneath the main frame, means disposed rearwardly of said tractor and on substantially the center line thereof providing a universal connection between said main frame and the rear end of said push frame, an implement carried forwardly of said tractor on the forward end of said push frame, means on said tractor for selectively raising, lowering and laterally tilting said implement, and stabilizing means interconnecting a forward portion of said main

frame and said implement for permitting raising, lowering and tilting of said push frame while preventing sidewise movement of said implement relative to said tractor, comprising a connecting member pivotally mounted on said tractor for generally vertical movement only, a lever construction pivoted to said implement on a transverse axis for generally vertical movement only, and a universal connection between said connecting member and said lever construction intermediate the connections of said connecting member and said lever to said tractor and implement respectively, said connecting member and lever being freely movable vertically upon raising and lowering of said push frame.

2,624,132

BULLDOZER ATTACHMENT FOR TRACTORS

Albert R. Henry, Salina, Kans., assignor to Henry Manufacturing Co., Inc., Topeka, Kans., a corporation of Kansas

Application June 23, 1948, Serial No. 34,681
4 Claims. (Cl. 37-144)

1. A bulldozer attachment for tractors comprising a pair of pushbeams adapted to be disposed respectively along opposite sides of a tractor and adapted to be connected pivotally at their rearward ends to a portion of said tractor, a blade assembly disposed transversely in front of said tractor and carried by said pushbeams, a shaft carried rotatably by the frame of said tractor parallel to said blade assembly, hydraulic means for raising and lowering said pushbeams disposed at each side of said tractor, said means comprising a hydraulic cylinder, piston, piston rod, and pressure connections to said cylinder, said cylinder being pivotally connected to said shaft and said piston rods being pivotally connected to said pushbeams adjacent said blade assembly, links pivotally connected to said pushbeams adjacent said blade assembly and extending upwardly therefrom, and arms rigidly secured to said shaft, the free ends of said arms being pivotally attached to the upper ends of said links.

2,624,133

LAND LEVELER

Jack H. Smeed, Caldwell, Idaho

Application October 13, 1947, Serial No. 779,480
3 Claims. (Cl. 37-150)

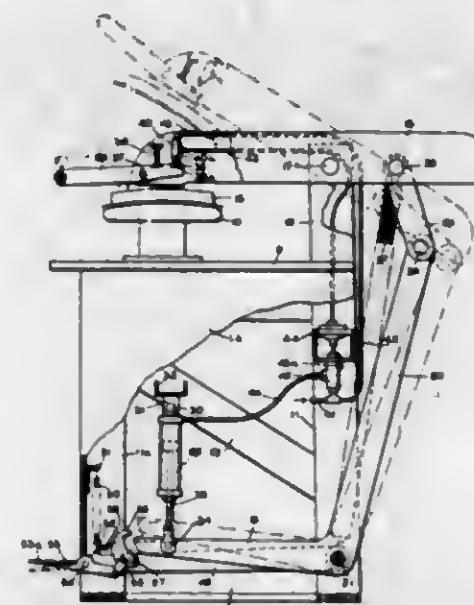
1. A grading machine comprising an elongated generally rectangular frame, a crank axle journaled transversely of and intermediate the forward and rear ends of the frame, supporting wheels mounted on the crank axle, means for

rocking the crank axle to selectively raise and lower the wheels relative to the frame, a transversely extending leveling blade mounted on the rear end of the frame, a cutting blade oscillatably mounted on the frame for vertical movement relative thereto, means for selectively raising and lowering the cutting blade, a longitudinally extending tow bar pivoted at its rear end to the frame for vertical swinging movement, means for adjustably and yieldingly urging downward movement of the tow bar relative to the frame, said means including an externally threaded bolt, a socket member in alignment with the bolt, a coiled compression spring disposed about the bolt and having one end seated in the socket member, and a nut adjustably threaded on the bolt engaging the other end of the spring, a standard on the frame adjacent the forward end thereof, a bracket on the standard overlying the tow bar, said last mentioned means extending between the bracket and the tow bar.

2,624,134

GARMENT PRESS

Clarence A. Ketchum, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application September 8, 1950, Serial No. 183,813
5 Claims. (Cl. 38-41)

1. A press for finishing garments comprising a fixed pressing member and a movable pressing member, the movable member being adapted to be moved into and out of operating engagement with the fixed member, a first lever operatively connected to said movable member whereby to apply said movable member to said fixed member with a relatively light pressure, a second lever pivotally mounted adjacent said first lever, foot-operable means pivotally mounted on said second lever and having a pivoted part engageable with said first lever whereby, upon operation of said foot operable means, increased pressure is applied to said first lever.

2,624,135

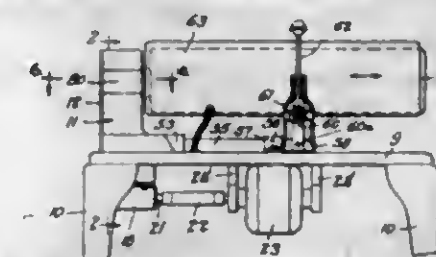
**IRONING MACHINE WITH RECIPROCATING
IRONING SHOE**

Henry H. Babcock, Oak Park, Ill., assignor to Conlon-Moore Corporation, Cicero, Ill., a corporation of Delaware

Application March 9, 1948, Serial No. 13,836
14 Claims. (Cl. 38-47)

1. In an ironing machine comprising a gear housing, a rotatably mounted roll extending

from one side of said housing, and means for driving said roll comprising gearing within said housing; a cooperating shoe movable toward and away from said roll and mounted for reciprocating movement lengthwise thereof, means for moving said shoe toward and away from said roll, means for reciprocating said shoe comprising a plunger slidable through said one side of

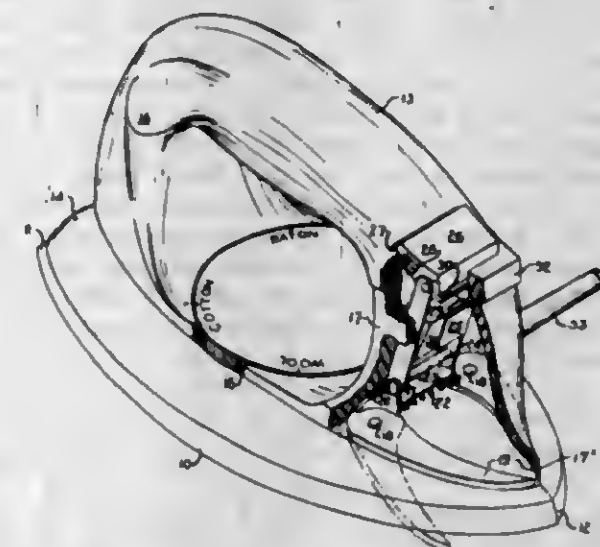


said housing actuated by said roll driving means and disposed for endwise contact with said shoe when the latter is toward said roll in cooperating relation thereto, said plunger being otherwise free from said shoe, and means yieldingly urging said shoe endwise toward said plunger to position to be contacted thereby when said shoe is toward said roll.

2,624,136

**RETRACTABLE SUPPORT FOR
ELECTRIC IRONS**

Herbert W. Wilson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 12, 1947, Serial No. 791,379
11 Claims. (Cl. 38-79)

1. A pressing iron comprising, an iron body including a sole plate with a pointed heel positioned on the median line thereof, a manipulating handle having a rear leg supported by said body, said rear leg having a support on its upper rear end, a pair of supporting legs each pivoted to said body on a substantially vertical axis beneath the rear leg of said handle so as to be movable from a retracted position lying beneath said rear leg to an extended position extending outwardly and rearwardly at an acute angle to said body with one leg on each side of said pointed heel so that said body may be supported on said support and the outer ends of said supporting legs with said pointed heel above the supporting surface, an outwardly inclined cam on the inner end of each of said supporting legs so as to lie in a recess in said rear leg and a vertical reciprocating operating member in said recess engaging said cams so that downward movement of said operating mem-

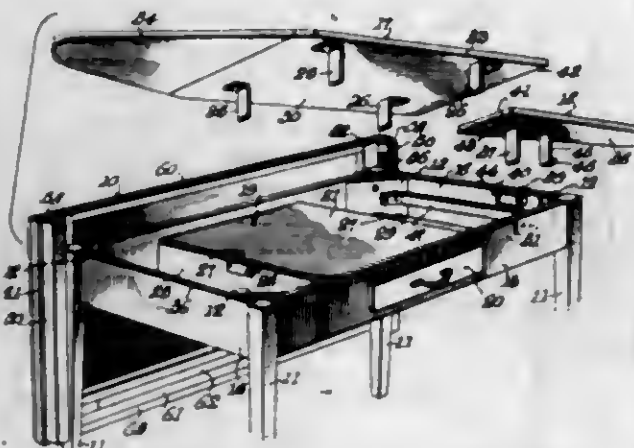
ber will move said supporting legs to their extended position and manually actuable means connected to said operating member and operable to actuate the same.

2,624,137

TABLE AND IRONING BOARD COMBINATION

Peter D. Gysin, Hances Point, North East, Md.;
Mayrie A. Gysin executrix of said Peter D. Gysin, deceased

Application January 14, 1948, Serial No. 2,244
7 Claims. (Cl. 38—105)



2. A table and ironing board combination comprising a hollow table body having a front wall, a table top movably connected to said table body for movement with respect thereto from a position in which the table top overlies the table body, including the front wall thereof, to a position in which the table top is back from said front wall and exposes the interior of the table body and vice versa, an ironing board positioned within said table body, said ironing board being concealed from view when the table top is in its position wherein it overlies the table body, a plurality of spaced apart socket members located within the table body, means supporting said socket members in fixed position within the table body behind the table body front wall, and a corresponding number of lug members connected to and extending downwardly from the underside of the ironing board, said lug members being spaced apart a distance corresponding to the spacing of the socket members and being positionable therein, said socket members having a location such and said lug members having a height such that when the lug members are positioned in the socket members they will support the ironing board in a position wherein it overlies and rests upon the front wall of the table body.

2,624,138

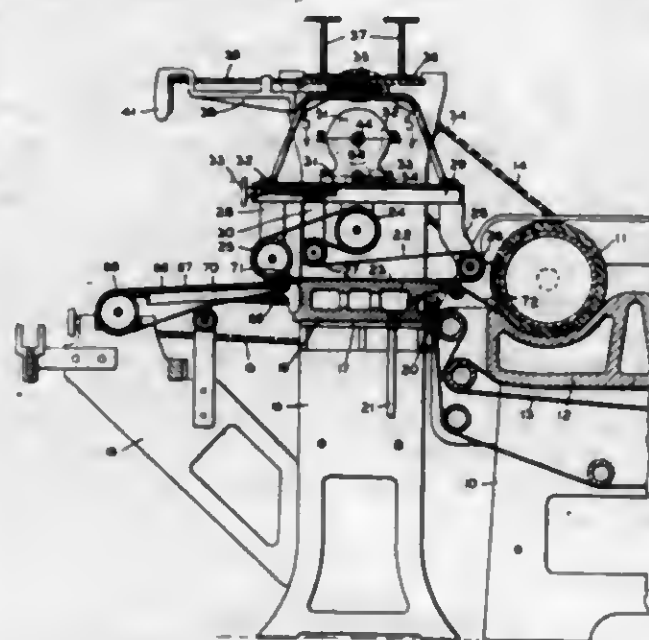
FEEDING AND SPREADING DEVICE

James H. Taylor, Middletown Township, Monmouth County, N. J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application July 12, 1949, Serial No. 104,353
11 Claims. (Cl. 38—143)

1. Apparatus for spreading and feeding flatwork to an ironing machine, comprising a frame adapted to be mounted adjacent to the feed end of an ironing machine, a heated bed member supported upon said frame opposite the entrance to the said machine and having a smooth flat upper ironing surface, means for advancing pieces of flatwork across said ironing surface and into the

pressing space of said machine and for simultaneously spreading each piece laterally right and

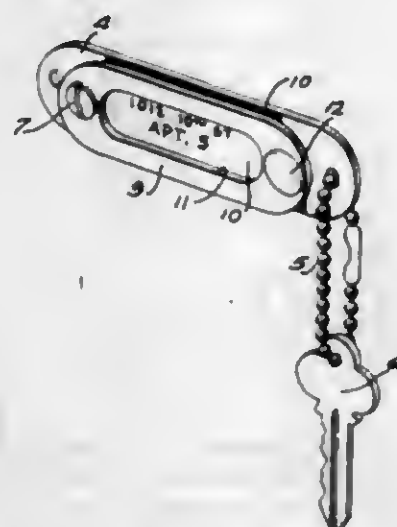


left from its center line, whereby the flatwork is heated and set while being thus laterally spread.

2,624,139

CHANGEABLE KEY TAG HOLDER

Milton J. Kottke, Fond du Lac, Wis.
Application August 30, 1946, Serial No. 693,998
3 Claims. (Cl. 40—10)

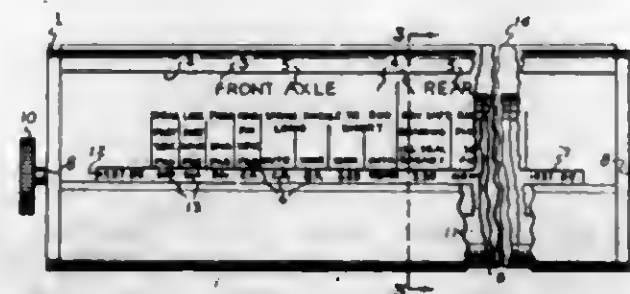


1. A device of the character described comprising an elongated base member provided at one of its ends with means for connecting the base member to a device requiring identification, a pivot at the other end of the base member, a cover member shorter than the base member, whereby to expose said means, said pivot comprising a nut embedded in one of said members, a screw passing through the other of said members and engaged in the nut, said screw and nut being located near corresponding ends of the respective members, snap fastener elements embedded in the opposite ends of the respective members from the pivot and engaged in releasable connection, and a pad of paper sheets confined between said members and having apertures threaded upon such screw, the sheets of the pad being otherwise free and at least one of said members being windowed to expose a sheet of said pad.

2,624,140

ROTARY DATA SPECIFIER FOR STOCK PARTS

Allan K. Neilson, Highland Park, Mich.
Application June 20, 1949, Serial No. 100,270
1 Claim. (Cl. 40—88)



A rotary data specifier comprising a cabinet formed with an elongated window, a sheet carried by the cabinet and having an edge spaced from an edge of the window to form a slot approximately coextensive with the window, said sheet carrying the names of different items of stock, arranged in columns extending substantially from said slot, a revoluble drum extending substantially coextensively with said slot within the cabinet, said sheet occupying an approximately tangential relation to the drum, and the cabinet having end walls slotted to slidably receive such sheet, said sheet having a marginal portion exteriorly projecting from the cabinet to facilitate insertion of the sheet in and its removal from the cabinet, means journaling the drum in the cabinet, means for manually rotating the drum, and a sheet peripherally carried by the drum, and carrying lines of reading matter parallel to the drum axis and spaced for individual display through the slot, said lines respectively identifying different assemblies, and each line further containing a row of locating indicia for parts of the assembly identified by such line, each item of such indicia, when displayed through the slot, registering with a column identifying a part to be located by said item.

2,624,141

ILLUMINATED SIGN STRUCTURE

Clarence F. Martin, Lombard, Ill.
Application March 11, 1950, Serial No. 149,103
2 Claims. (Cl. 40—132)



2. An illuminated sign structure comprising a frame having a back portion and top and bottom portions substantially perpendicular thereto, a pair of restraining flanges on the back portion, a light source mounted within said frame, and a translucent plastic sign comprising a pair of substantially rectangular plastic sheets having secured between them, sandwich-fashion, a plurality of sign indicia carried on thin sheets of flexible translucent material, said plastic sheets being bent into an arcuate shape and secured between said flanges to form, within said frame, a closed member.

2,624,142

ADVERTISING DISPLAY DEVICE

James E. Sayre, Little Neck, N. Y.
Application June 7, 1949, Serial No. 97,659
4 Claims. (Cl. 40—137)

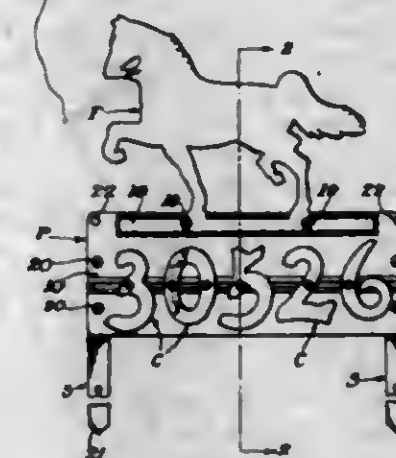


1. An advertising device comprising a pair of grids arranged in spaced relation one behind the other, the rear grid having substantially vertically disposed dark and light strips arranged in alternate fashion, the front grid being composed of a central portion concealing the central portion of said rear grid and a plurality of sections arranged around said central portion to form as a whole an annular-like area, said annularly disposed sections being composed of a plurality of dark strips extending substantially vertically and arranged in spaced relation to permit the passage of light therebetween, the strips of at least two sections positioned on opposite sides of said central portion being in major part substantially parallel to the rear grid strips, the strips in one of said opposed sections being wider than the dark strips on said rear grid and the strips in the other of said opposed sections being narrower than the dark strips on said rear grid, and the strips of at least two other sections positioned on opposite sides of said central portion being in part at least inclined with relation to the rear grid strips and in opposite directions from the vertical, the strips in adjacent of said sections being so arranged that in cooperation with said rear grid said sections produce as a whole to a passing observer the illusion of circular movement concentric to the center of the annular-like area formed by said sections.

2,624,143

DISPLAY DEVICE WITH INTERCHANGEABLE CHARACTERS

Simon Kall, East Cleveland, Ohio
Application March 19, 1949, Serial No. 82,369
1 Claim. (Cl. 40—140)



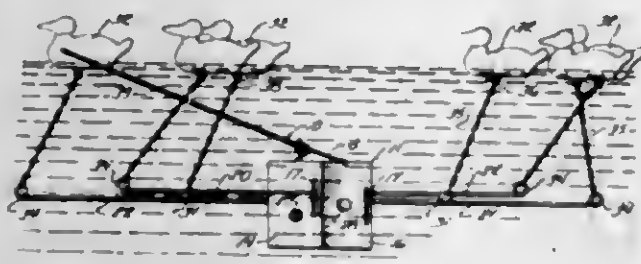
A display device for interchangeable characters comprising a background plate for the char-

acters, an elongated open-ended slotted tubular support of rectangular cross section attached to the front of the plate, a plurality of interchangeable characters of a color contrasting with the color of said plate in abutting relationship with the slotted wall of said support and spaced a substantial distance from said plate, and screw means extending through said characters with non-circular nut means threaded to said screw means at the rear surface of said characters, said screw means extending through the slot in the support, said support providing shoulder means for engaging said non-circular nut means to prevent rotation of the latter.

2,624,144

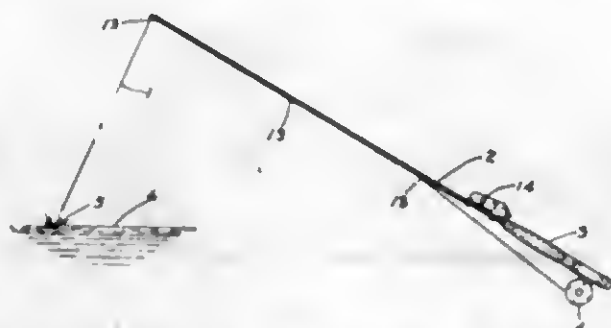
DUCK DECOY SUPPORT

Harry G. Beverman, Lincoln, Ill., assignor to Pearl Beverman, Lincoln, Ill., and F. G. Whiteside, Springfield, Ill., jointly
Application April 15, 1949, Serial No. 87,655
3 Claims. (Cl. 43-3)



3. A foldable supporting and arranging device comprising a first pair of side walls arranged in parallel spaced relation, a first pin extending transversely between said pair of side walls intermediate the ends of the latter and fixedly secured to said pair of side walls, a first bushing loosely circumposed about said pin, said bushing having each end spaced from the adjacent one of said pair of side walls, a rod extending transversely through a wall of a second pair of side walls and having one end interposed in the space between the adjacent end of said bushing and one of said first side walls and connected to the portion of said pin defined by said space for movement from its extended transverse position to a position parallel with the adjacent one of said pair of side walls, said second pair of side walls being arranged in parallel spaced relation positioned transversely of and between said first pair of side walls and secured to the latter, a second pin extending transversely between said second pair of side walls intermediate the ends of the latter and fixedly secured to said second pair of side walls, said second pin being spaced from said first pin, a second bushing loosely circumposed about said second pin, said second bushing having each end spaced from the adjacent one of said second pair of side walls, a rod extending transversely through each wall of said first pair of side walls and having one end interposed in the space between the adjacent end of said second bushing and one wall of said second pair of side walls and connected to the portion of said second pin defined by the last named space for movement from its extended transverse position to a position parallel with the adjacent one of said second pair of side walls, an eye on the other end of each of said rods for attachment of a decoy thereto, and a loop on at least two of said rods and spaced from said eye for attachment of a further decoy thereto.

2,624,145
SOUND PRODUCER FOR FISHING APPARATUS
Stanley A. Wehn, Santa Monica, Calif.
Application July 18, 1949, Serial No. 105,322
2 Claims. (Cl. 43-17.1)

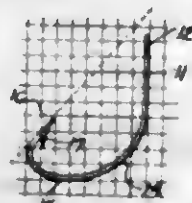


1. A fishing device comprising a rod, a vibrating reed sound producing device on the rod, an electric circuit for operating the reed of the device, a line and hook connected to the rod, means connected to the sound producing device for transmitting continuous sound vibrations to the line and hook prior to the strike of a fish on the hook to attract the fish to the hook, and a hand grip on the rod, said sound producing device including a circuit closing member for the circuit and overlapping the hand grip and in such relation thereto that the hand of the operator, while gripping the hand grip, can maintain one finger thereof in engagement with the circuit closing member to operate said sound producing device.

2,624,146

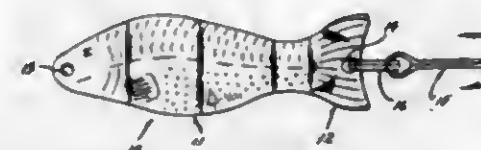
FISHHOOK

Victor C. Kahle, South St. Paul, Minn.
Application August 3, 1949, Serial No. 108,372
4 Claims. (Cl. 43-43.16)



2. A fish hook having an upper vertical substantially straight shank portion terminating in an eye at its free end, a gradually curved lower shank portion extending downwardly and transversely from said upper shank portion, and a relatively sharp upwardly extending curved portion at the outer end of said lower shank portion terminating in a barbed point, said upper and lower shank portions extending the total vertical length of the hook, said lower shank portion having a vertical component of less than one-half the total vertical length of said hook, said point lying in a substantially horizontal plane passing adjacent the lower end of said upper shank portion, and said point being spaced from said lower end of said upper shank portion a distance greater than one-half the vertical length of said hook, the longitudinal center line of said barbed point lying in a plane passing adjacent the free end of said eye, said latter plane forming an acute angle of not substantially more than 45° with a tangent to the lower edge of the gradually curved portion of said hook normal to the longitudinal axis of said substantially straight upper shank portion.

2,624,147
NONTWISTING FISH LURE AND SPOON
Albert W. Round, Torrington, Conn.
Application June 27, 1951, Serial No. 233,830
1 Claim. (Cl. 43-42.5)



A fishing lure of sheet material of greater length than width and concavo-convex longitudinally, said sheet material comprising central flat sections at an obtuse angle to each other and other flat sections external of said central sections, each of the other flat sections being at an obtuse angle to an adjacent central section, one of said other flat sections having at an end thereof a longitudinally curved apertured section and another of said other flat sections having at an end thereof a transversely curved apertured section, said apertured sections providing means for the attachment of said lure to a line and a hook.

2,624,148

GUN TRAP AND SAFETY SETTING DEVICE
Hershey Roy Graybill, Manheim, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application February 15, 1947, Serial No. 728,887
5 Claims. (Cl. 43-84)

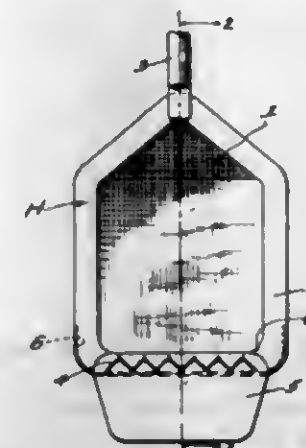


3. In a gun trap of the type adapted to be partially buried in the earth, a tubular housing having an externally threaded upper end and apertures at its upper and lower ends, a firing mechanism in said housing including a firing pin adapted to project through an aperture in the upper end of the housing and a trigger extending out through an opening at the lower end of the housing, an anchor adapted to be buried in the earth in a position offset laterally from the housing, connections between the anchor and the trigger, a tubular cartridge chamber having at its lower end an internally threaded skirt portion adapted to screw on the threaded upper end of the housing and having outwardly projecting protuberances on the exterior surface of the skirt and an inverted cup-shaped safety setting member fitting loosely over the cartridge chamber and having L-shaped recesses at its lower end adapted to receive said protuberances to provide a bayonet-type connection between the setting member and the cartridge chamber, said setting member having a cylindrical side wall and an end wall closing its upper end and being hollow with an interior space larger than the cartridge chamber to provide an empty explosion-suppression chamber between the upper end of the cartridge chamber and the closed upper end of the setting member and an empty annular explosion-suppression space between the side wall of the cartridge chamber and the side wall of the setting member.

2,624,149

FLY SWATTER

Wallace E. Atkinson, Petersburg, Va.
Application May 13, 1949, Serial No. 93,066
1 Claim. (Cl. 43-137)

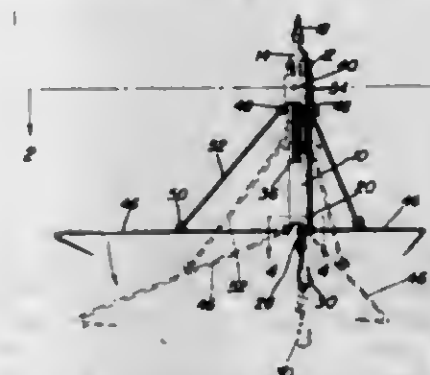


In a fly swatter including a handle, a head formed of a piece of flexible foraminous material having a substantially rectangular outer end portion, a binding disposed about the edges of said piece and secured thereto, a metal reinforcing element bounding the end edge and corners of said outer end portion and held in place by said binding, a scoop plate of substantially flexible material secured along the outer end edge of said head, and stitching for securing said scoop plate to the head, said stitching extending through the plate and binder and engaging the reinforcing element to maintain it in position against a surface of the binding tape so as to provide a rigid support for the contiguous ends of the foraminous material, the binder and the plate.

2,624,150

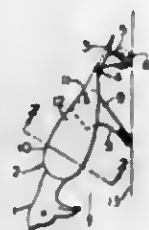
FISHHOOK

Thomas M. Jolley, Oskaloosa, Iowa
Application February 14, 1950, Serial No. 144,175
5 Claims. (Cl. 43-89)



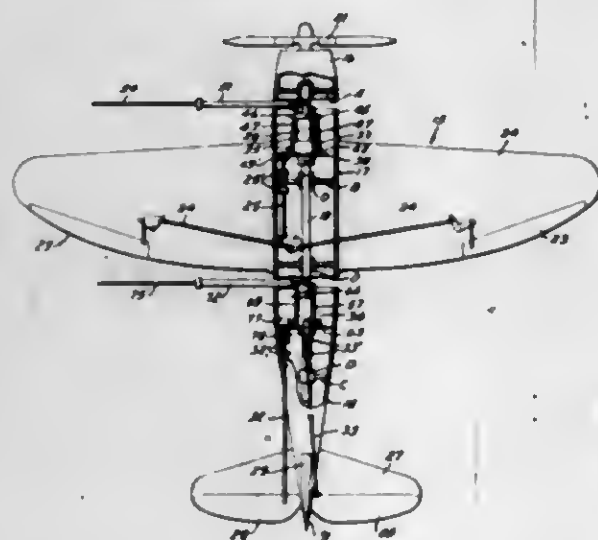
1. A fishhook comprising an elongated tubular body having a pair of longitudinal slots therein, a rod slidable in said body and extending beyond one end thereof, a bait hook secured to the extending portion of the rod, a collar slidable upon the body, a pin having its ends secured to said collar and extending through said body and slidable in said slots and having its mid-portion engaged with said rod, auxiliary fish hooks pivoted to the end of the body through which said rod extends, links terminally pivoted to said collar and to the auxiliary hooks intermediate their ends, resilient means in said body engaging said pin and urging said rod inwardly of said body and urging said auxiliary hooks into a separated position, means retaining said resilient means in said body and constituting an abutment for said resilient means.

2,624,151
MAGNETIC DESCENDING TOY
 Voorhis F. Wigal, Marietta, Ohio
 Application May 10, 1949, Serial No. 92,337
 8 Claims. (Cl. 46-45)



1. An animated toy having a support including a magnetic roller adapted to maintain the toy in contact with a steeply inclined surface, and a fixed arm extending from said toy in advance of said roller, at least the lower end of said arm comprising a material with elastic properties similar to rubber, and at least the lower end of said arm being arranged at an acute angle to the part of said surface between said roller and said arm.

2,624,152
CONTROL SYSTEM FOR MODEL AIRPLANES
 Kenneth D. Sneed, Long Beach, Calif.
 Application January 23, 1947, Serial No. 723,825
 5 Claims. (Cl. 46-77)

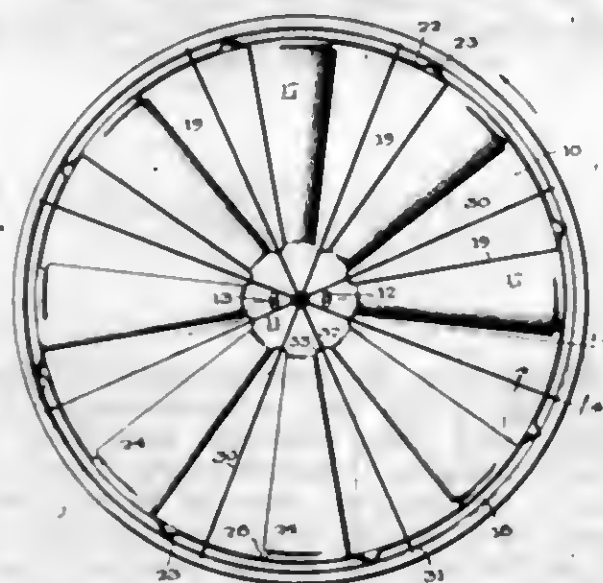


1. A model airplane adapted for controlled flight comprising engine, wing and rear sections, a rod connecting the respective sections together, said wing section having ailerons, a control mechanism, wires connected to said mechanism and extending to the ground for effecting the operation of the ailerons, said mechanism being rotatable upon the rod and having an arm rotatable therewith and extending outside of the sections, said control cables or wires being guided by said arm.

2,624,153
FLYING TOY WITH VIBRATING STRANDS
 Myron A. C. Johnson, Coral Gables, and Joe Toth, Hialeah, Fla.
 Application April 26, 1951, Serial No. 223,074
 7 Claims. (Cl. 46-83)

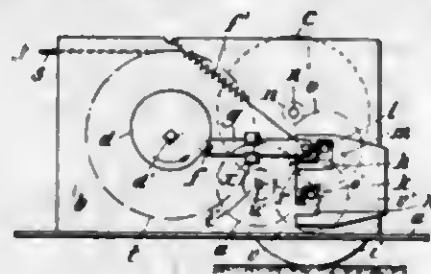
1. A flying toy rotor comprising, in combination, a hub, a plurality of circumferentially spaced blades radiating therefrom, a substantially cylindrical shroud supported from the tips of

said blades and elastic filaments stretched from said hub to the shroud and extending between



the blades to be vibrated by the air passing between the blades when the rotor is spun.

2,624,154
WHEELED SOUNDING TOY
 Felix Plawner, Nuremberg, Germany
 Application October 20, 1950, Serial No. 191,146
 In Germany December 5, 1949
 4 Claims. (Cl. 46-111)

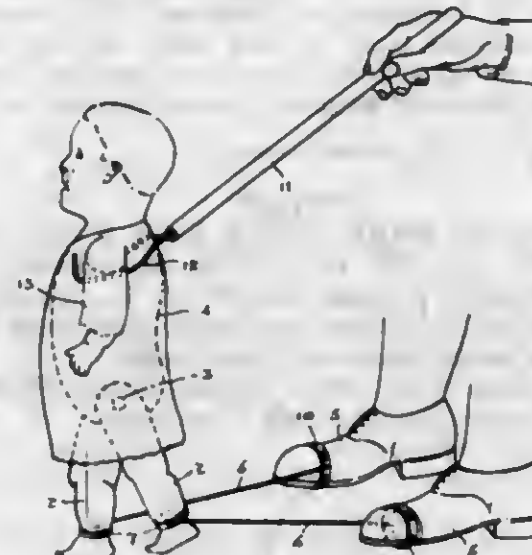


1. In a wheeled sounding toy, the combination with a self-propelled toy vehicle on wheels, of a sound producing toy siren, means for driving the vehicle and operating the siren, timing mechanism for limiting the operation of the siren so as to emit signals periodically, said driving and operating means comprising a primary spring-actuated set of gear wheels revolving the vehicle wheels and a secondary set of gear wheels cooperatively associated with the primary set of gear wheels for revolving the siren, said timing mechanism comprising an auxiliary gear wheel intermediate the primary and secondary sets of gear wheels, and means for periodically engaging and disengaging said auxiliary gear wheel from said secondary set of gear wheels.

2,624,155
TOY FIGURE MANIPULATING MEANS
 Stanley Charles Boyce, Toronto, Ontario, Canada
 Application November 10, 1949, Serial No. 126,495
 4 Claims. (Cl. 46-126)

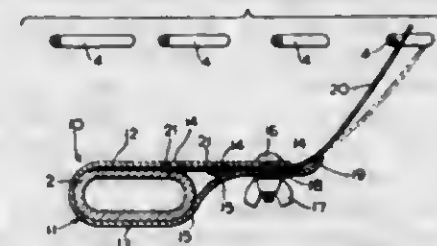
1. Means for manipulating a four-footed figure to be animated, comprising a pair of longitudinally rigid rod-like operators having cross-over extension portions, means confining said extension portions in cross-over relation while permitting relative longitudinal movement therebetween, connectors carried by said cross-over extensions whereby each operator extension is loosely connectable to opposing front and rear legs of the figure to be manipulated, and connectors carried by said operators removed from said cross-over

extensions whereby said operators are loosely connectable with the toes of a person to manipulate said figure, and guide means adapted to engage and support the body of the figure to be manipulated, said first-mentioned connectors comprising horizontal elastic loops flexibly con-



nected to said operators on opposite sides of the cross-over of said extension portions and adapted to encircle the legs of the figure, and said second-mentioned connectors comprise vertical elastic loops flexibly connected to said operators remote from the cross-over of said extension portions and adapted to encircle the manipulator's toes.

2,624,156
VELOCIPEDE ACCESSORY FOR PRODUCING NOISE
 Elmer B. Meyer, Jr., Shaker Heights, Ohio
 Application September 9, 1949, Serial No. 114,749
 2 Claims. (Cl. 46-191)



1. A noise maker for velocipedes comprising a clamping strip having two leaves disposed in superimposed relationship and extending in the same general direction, a resilient vibrator strip carried between said leaves and extending beyond the ends thereof and out of the planes thereof, means to draw said leaves together in clamping relationship with said resilient vibrator strip and to tighten said clamping strip about a frame member of a velocipede, and deflecting means on the end of one of said leaves to constrain the extending portion of said resilient vibrator strip out of said planes.

2,624,157
ROLLING DISK TOY
 Charles M. Weeks, Takoma Park, Md., and Edwin F. Saxman, Jr., Gladwyne, Pa.
 Application October 4, 1949, Serial No. 119,508
 1 Claim. (Cl. 46-220)

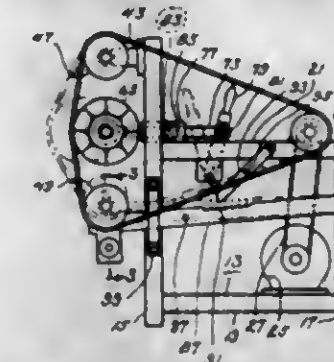
A rolling toy comprising a disc, a string and a handle, a vertical and a horizontal flange on the periphery of said disc, struck up lugs on said horizontal flange, outwardly converging walls taper-

ing from the outer periphery of said horizontal flange and terminating at a circular plane portion, said plane portion being parallel to said vertical flange, a rubber ring around the horizontal



flange clamped between said vertical flange and said struck up lugs, said string fastened at one end to the center of said circular plane portion, and to the handle at its other end.

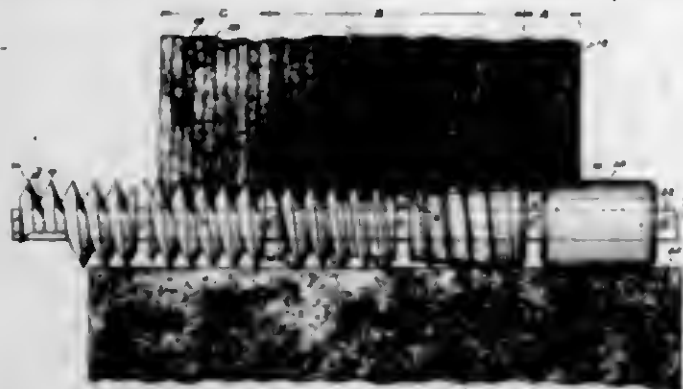
2,624,158
BUFFING MACHINE
 Fritz E. Hendrickson, South Elgin, Ill., assignor of one-fourth to Bror G. Olving, Elgin, Ill.
 Continuation of application Serial No. 680,455, June 29, 1946. This application October 26, 1949, Serial No. 123,568
 7 Claims. (Cl. 51-141)



1. In combination in a polishing machine, a plurality of pulleys for a polishing belt comprising two aligning wheels and a work wheel therebetween, said work wheel comprising a hub and a plurality of separate segmental outward-extending sections of flexible material supported thereon, the whole wheel being so flexible that it develops a substantial part of its belt-supporting stability by centrifugal force, a movable support for said work wheel permitting movement thereof transverse the tangent between said aligning wheels sufficient to move said work wheel from a position in which it barely touches a belt on said aligning wheels to a position in which from 30 to 90 angular degrees of the periphery of an uncompressed work wheel engages said belt, another of said plurality of pulleys having a movable support movable for tightening a belt, and means for locking the movable supports of said work wheel and belt-tightening pulley.

2,624,159
GRINDING MACHINE
 Harold E. Balsiger, Waynesboro, Pa., assignor, by mesne assignments, to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
 Application February 21, 1946, Serial No. 649,263
 12 Claims. (Cl. 51-103)
 7. A machine for generating screw threads including a base, a grinding wheel rotatably mount-

ed thereon, a control wheel rotatably mounted thereon, means for rotatively supporting a work piece in operative relation to said wheels, said grinding wheel having peripheral ridges thereon



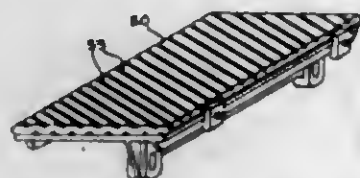
varying progressively in diameter but corresponding generally in shape to the screw thread to be generated on a work piece, said control wheel also having peripheral ridges formed thereon and varying progressively in diameter.

2,624,160

PLATEN LUBRICATING MEANS

Frank A. Harper, Paulding, Ohio, assignor to Grizzly Manufacturing Company, a corporation of California

Application June 12, 1950, Serial No. 167,689
3 Claims. (Cl. 51-141)



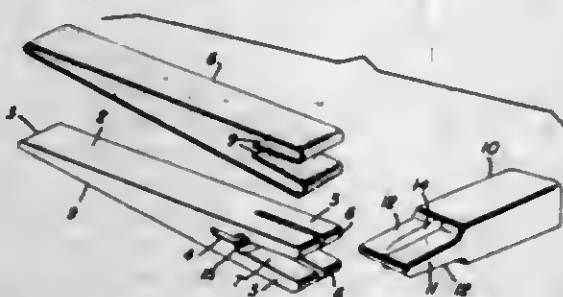
3. In a backing plate: a belt backing surface having grooves therein; and solid lubricating material filling said grooves and providing a substantially level uninterrupted pressure resisting surface.

2,624,161

ABRADING TOOL

Harm D. Snell, Port Arthur, Tex.

Application August 16, 1951, Serial No. 242,071
1 Claim. (Cl. 51-187)



An abrading hand tool comprising an elongated front section having sides and a front end, said section having a rear end bifurcated in the plane of the section and providing a pair of spaced opposite jaws on the rear end of said section having transversely rounded rear ends and defining therebetween a forwardly tapering longitudinal slot, a strip of flexible abrasive material covering said sides and folded around said front end of the section with its ends folded around the rear ends of the jaws, and extended forwardly into said slot, and a rear handle section having a reduced front end tongue of the same

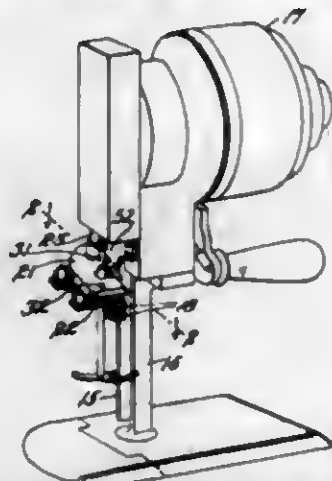
width as said jaws and having forwardly converging offset sides, said tongue fitting in said slot with a wedge fit and clamping the folded ends of said strip between the same and said jaws to secure said strip to said front section, said jaws being each provided with a longitudinal central slot and said tongue being provided on said sides thereof with longitudinal central ribs extending into the central slots in the jaws and crimping said ends of the strip into said central slots to additionally secure said strip to said front section.

2,624,162

AUTOMATIC SHARPENER FOR STRAIGHT KNIFE CLOTH CUTTING MACHINES

Harry Fleisher, Staten Island, N. Y., assignor to Beaver Cloth Cutting Machines, Inc., New York, N. Y., a corporation of New York

Application March 28, 1950, Serial No. 152,300
5 Claims. (Cl. 51-249)



1. A sharpener for a straight knife cloth cutting machine having an upright post and a straight knife mounted to reciprocate vertically on said post, said sharpener comprising a carriage mounted for up and down travel along said post, arms mounted on said carriage for movement toward and away from opposite sides of the knife, sharpening members on said arms engageable with opposite sides of the knife, spring means acting on said arms for yieldingly engaging said sharpening members with the knife, releasable securing means for securing said arms with the sharpening members in the position in which they have been engaged by said spring means with the knife, means at the upper end of the post for separating the arms substantially at the end of the upward movement of the carriage to effect disengagement of the sharpening members from the knife and means for effecting the release of said securing means from said arms prior to the arm separating action of said separating means and for permitting the arm securing operation of said securing means after downward movement of the carriage has carried the arms away from said separating means.

2,624,163

METHOD OF MAKING COLORED GELATIN CAPSULES

Frank E. Stirn, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 22, 1948, Serial No. 22,598
1 Claim. (Cl. 53-5)

The method of forming an edible soft gelatin capsule with visible insignia which includes the steps of dissolving a non-toxic alcohol-soluble dye in a lower alcohol, transferring the thus

formed solution from a bath to a pattern roll containing upstanding portions and marking a wet, freshly cast self-supporting soft edible gelatin film by contacting said film with upstanding portions of said pattern roll, thereby transferring



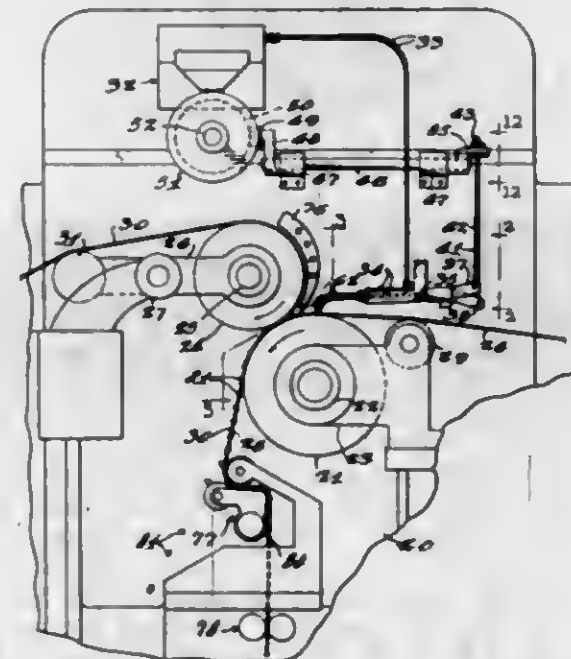
portions of the solution to the desired portions of the wet, freshly cast, edible soft gelatin film, causing the alcohol to evaporate therefrom, and promptly forming edible soft gelatin capsules from portions of the thus marked strip.

2,624,164

METHOD OF AND APPARATUS FOR ENCAPSULATING LIQUID AND SEMILIQUID SUBSTANCES AND THE LIKE

Alfonso M. Donofrio, Toledo, Ohio, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application November 16, 1950, Serial No. 195,967
15 Claims. (Cl. 53-9)



1. In a machine for producing symmetrical generally ellipsoidal capsules each containing a measured volume of substance enclosed between opposed sheets of elastic capsulating material sealed around said substance along a generally median plane, the improvement comprising, in combination, means for periodically discharging a predetermined volume of substance; feeder means, to receive and conduct said volume to a pocket, connected to said discharge means and having an open nozzle-like end; means for feeding a pair of sheets of capsulating material along converging paths; means for deforming a defined area of one of said sheets to form an upwardly open pocket of definite volume; means operating in timed relationship with said discharging means for inserting the open end of said feeder means into said pocket beneath the level of the upper edge thereof at the beginning of a discharge, holding the end therein during such discharge and until the level of substance discharged rises above and around the end of said feeder means and withdrawing the feeder means upwardly out of said substance at the end of such discharge; and means for sealing said sheets of capsulating material together around the edge of said pocket to form a closed

capsule and for severing said closed capsule from the web of said sheets.

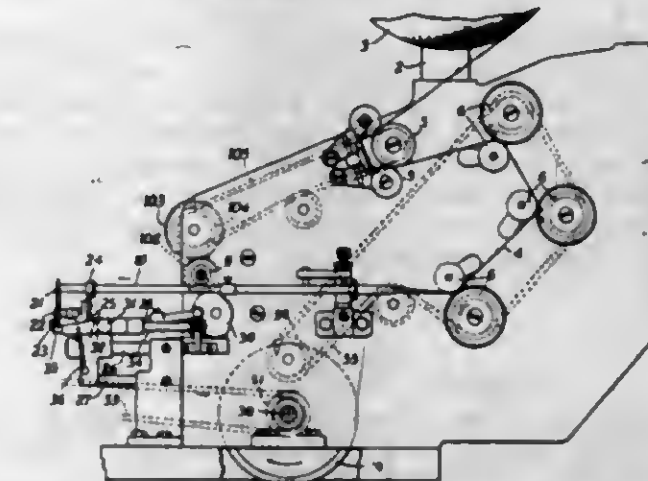
13. A method of forming symmetrical, generally ellipsoidal capsules which comprises deforming a plurality of defined areas in a sheet of elastic capsulating material to create a plurality of rows of pockets each having a definite volume, inserting the end of a nozzle into each of said pockets and beneath the level of the upper edge thereof, discharging through said nozzle into each of said cavities a measured charge of substance to be encapsulated equal in volume to the charge of substance desired in the finished capsule, thus filling the pockets to a level above the end of said nozzle, withdrawing said nozzle after the cessation of discharge of substance therefrom, placing a second sheet of capsulating material over the filled pockets, sealing the two sheets of material together around the margin of the pockets, and severing the thus formed sealed capsules from the sheets of material.

2,624,165

MACHINE FOR WRAPPING RODLIKE ARTICLES IN TUBULAR WRAPPERS

Hedwig Gamble, Ponders End, England
Application March 7, 1951, Serial No. 214,336
In Great Britain March 15, 1950

11 Claims. (Cl. 53-86)



1. A machine for wrapping elongate articles in tubular wrappers, comprising a hopper having an article outlet, a fluted drum rotatably supported in position to receive articles singly from said outlet, a fluted assembly drum unit rotatably positioned to receive successively in each of its flutes an article from the first drum, means for intermittently turning the assembly drum unit to successively bring each flute to a predetermined station, a wrapping tube forming means for moving the tube lengthwise into and along an article carrying flute of the assembly drum unit when such flute comes to rest at said station to cause the tube to pass over the article, said drum unit comprising a plurality of drum sections assembled on a common shaft, and means by which the drum sections may be secured against relative turning movement with the flutes thereof staggered whereby the drum sections jointly define a common flute of a size to receive an article of predetermined size.

2,624,166

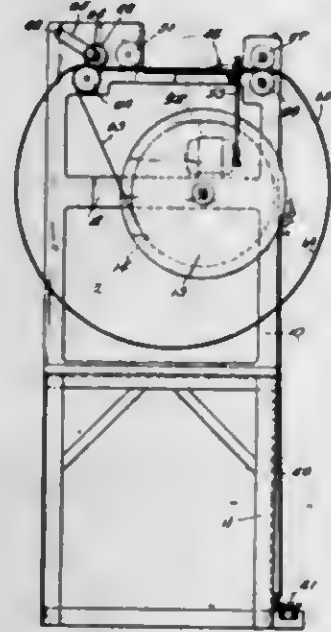
APPARATUS FOR WRAPPING FLEXIBLE BANDS

Albert D. Valiquet, Chicago, Ill., assignor to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa., a corporation of Delaware

Application September 2, 1949, Serial No. 113,751
2 Claims. (Cl. 53-185)

1. A machine for folding a ribbon of wrapping material about a flexible band comprising a pair

of guide rolls mounted for rotation about substantially horizontal axes and adapted to align a band and a ribbon passing therebetween, a folder having a channel portion adapted to receive the aligned band and ribbon and having progressively incurving sides to fold the edges of the ribbon about the band so as to substantially enclose the

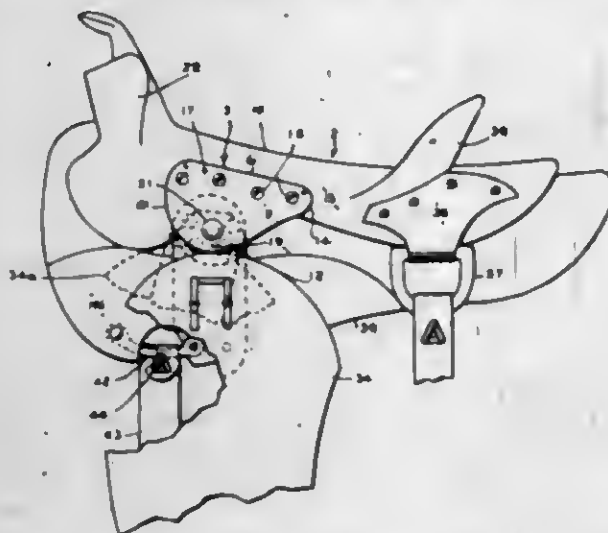


band, a pair of pinch rolls mounted for rotation about substantially horizontal axes and having generally flat face portions adapted to crease the folded ribbon and means for driving the pinch rolls to pull the band and ribbon through the guide rolls and folder, said rolls and folder constituting the sole means for supporting the band in a generally vertical closed loop.

2,624,167

SADDLE STRUCTURE

Domingo O. Diaz, Phoenix, Ariz., assignor to N. Porter Saddle and Harness Company, Phoenix, Ariz., a corporation of Arizona
Application February 27, 1951, Serial No. 212,957
2 Claims. (Cl. 54-46)



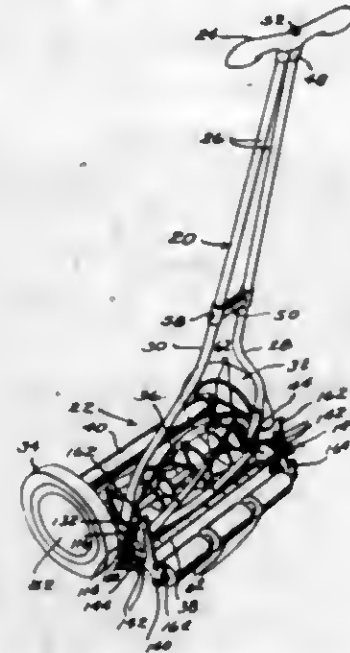
1. A stirrup leather hanger for attachment to the lower edges of saddle tree rails to pivotally support stirrup leathers so that the stirrups attached thereto may be swung freely forward over the saddle rigging without snagging, consisting of an inner plate and an outer plate of sheet metal, both shaped to have an upper elongated attaching part adapted to be attached to the lower edge of a saddle tree rail, between the pommel and the cantle, and a depending tab portion pierced to receive a pivot pin, a pivot pin,

an attaching tab having a metal wear washer on its under side pivotally held between said plates by said pivot pin, and a stirrup leather secured to said tab.

2,624,168

LAWN MOWER CONSTRUCTION

Richard D. Clemson, Middletown, N. Y., assignor to Clemson Brothers, Inc., Middletown, N. Y.
Application September 15, 1948, Serial No. 49,362
7 Claims. (Cl. 56-249)



1. In a lawn mower construction: a rigid frame including opposite side members, a bed knife secured thereto and extending therebetween, and a pivot abutment formed in at least one of the side members; a fly knife reel extending transversely across the space within the frame between the side members and in cutting relationship with respect to the bed knife; and a spring plate disposed on the side member of the frame and serving to support the reel; said spring plate including a bearing construction in which the shaft of the reel turns, a pivotal engagement with said pivot abutment of the adjacent side member, and a selective connection between its rearward end and a rearward portion of the adjacent side member, whereby the spring plate can pivot within a substantial range about the pivot abutment when said connection is released, and is capable of being secured selectively at any of various positions in said range, said spring plate normally being held in flexed condition to apply resilient pressure through connection by said pivot abutment and selective said bearing construction upon said reel.

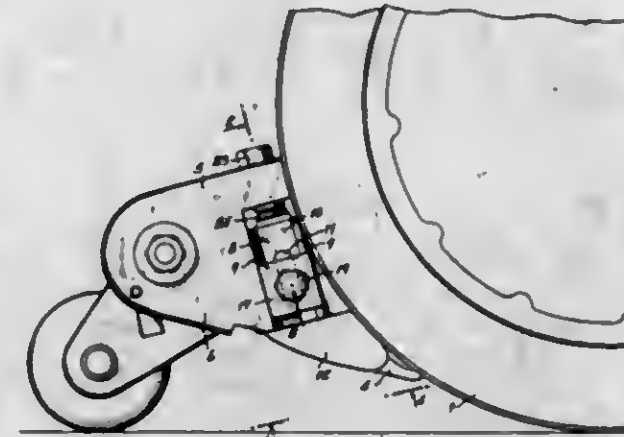
2,624,169

CUTTER BLADE SUPPORT FOR LAWN MOWERS

Clayton K. Cole, Kalamazoo, Mich., assignor to Atlas Press Company, Kalamazoo, Mich., a corporation of Michigan
Application April 10, 1951, Serial No. 220,279
6 Claims. (Cl. 56-249)

1. In a lawn mower a pair of end frame members, each having a body portion of sheet metal and an inwardly-extending way comprising side walls of said sheet metal extending substantially vertically and converging from said body portion toward a central land having a substantially vertically-extending slot therein, a cutter bar extending between said end frame members, supporting slides therefor, each disposed for slidable

adjustment and clamping on one of said ways and having an outwardly-facing, substantially vertically-extending groove having side walls diverging from the bottom of said groove to form a tapered seat to fit said way and a clamping screw extending from said slide through said slot, a bore in each of said slides extending par-

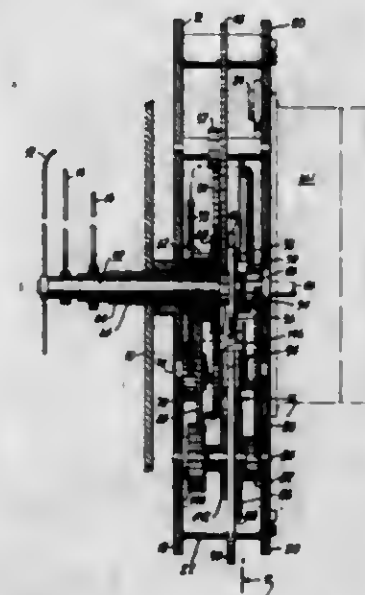


allel to the way, an adjusting screw threaded in each of said bores, a bearing member spaced from each slide and aligned with its bore and rotatably supporting said screw, and a compression spring surrounding said screw and bearing at one end on said slide and at its other end on said bearing member to take up lost motion.

2,624,170

SECONDARY TIME-KEEPING APPARATUS

Alfred B. Benson, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 9, 1948, Serial No. 37,841
1 Claim. (Cl. 58-34)



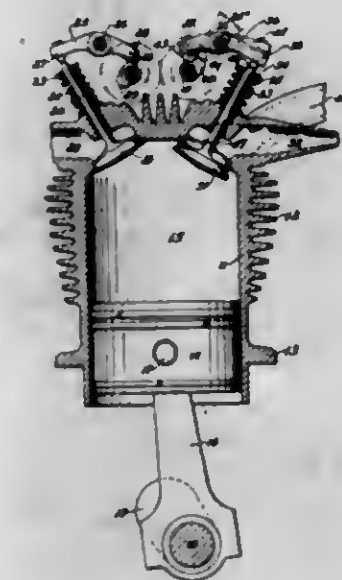
In a time-keeping apparatus, a driving motor adapted to operate continuously at a uniform time rate, a time member mounted for rotation about an axis, a driving connection including a friction slip device between said motor and time member for driving the latter at its normal time-keeping rate, and a second driving connection between said motor and time member for driving the latter at a rate faster than its normal time-keeping rate, said latter driving connection comprising a pair of clock-advancing members mounted for rotation about a common axis removed from the axis of rotation of said time member, means operatively connecting one of

said clock-advancing members to the time member for rotation thereof chronologically in unison, normally disconnected one-revolution clutch means operatively connecting the other clock-advancing member and motor in driving relationship, a one-way lost-motion coupling between said clock-advancing members for driving of the time member from the motor through said clock-advancing members, and signal-responsive means for periodically rendering said clutch means operative.

2,624,171

CONSTRUCTION OF EXHAUST PASSAGES OF INTERNAL-COMBUSTION ENGINES

Paul Kollman, New York, N. Y.
Application July 10, 1946, Serial No. 682,664
4 Claims. (Cl. 60-13)



1. In a reciprocating internal combustion engine the combination with a cylinder, of two distinct exhaust passages, namely a first high pressure passage of relatively narrow cross section, and a second low pressure and low velocity passage of a cross section larger than said first passage; a poppet valve in each of said passages; and means for opening in timed sequence first the valve in the high pressure passage and thereafter the valve in the low pressure passage, the narrow high pressure passage having a restricted portion downstream of its valve for maintenance of back pressure and a high velocity nozzle portion downstream of said restricted portion for conversion of pressure energy into high kinetic energy, the high pressure passage upstream of the restricted portion being so dimensioned with relation to its controlling valve that its cross sectional area is at all points less than the valve opening considering the valve in fully open position, whereby turbulence losses at the valve proper are minimized.

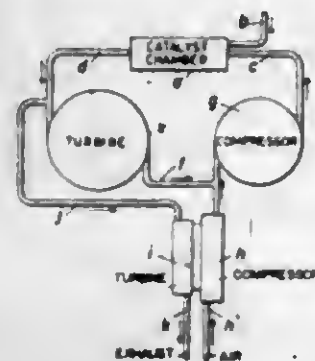
2,624,172

PROCESS OF GENERATING POWER INVOLVING CATALYTIC OXIDATION

Eugene J. Houdry, Ardmore, Pa.
Application November 1, 1947, Serial No. 783,561
25 Claims. (Cl. 60-39.04)

22. The process of generating power which comprises contacting an oxygen-bearing gas with an oxidizable fuel in the presence of a catalyst adapted to effect catalytic oxidation of the fuel while maintaining the proportion of the fuel to

oxygen-bearing gas such that the mixture is outside the limits of inflammability under operating



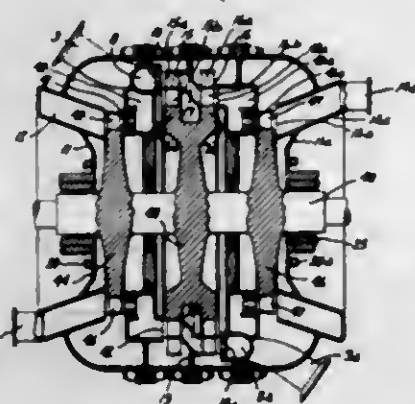
conditions, and utilizing the product of catalytic oxidation to generate power.

2,624,173

HEAT INSULATING ARRANGEMENT FOR A PLURALITY OF COAXIAL TURBINES HAVING OPPOSED FLOW THROUGH DOUBLE-TIER BLADING

David J. Bloomberg, Newton, Mass., assignor to General Electric Company, a corporation of New York

Application October 31, 1950, Serial No. 193,181
12 Claims. (Cl. 60-49)



1. A fluid pressure energy converting device comprising walls defining a pair of independent inlet fluid passageways having axially spaced end portions, first and second rows of moving blades disposed between said end portions and each of said rows forming separate inner and outer concentric fluid passageways, said outer passageways being disposed adjacent to said end portions for receiving fluid discharged therefrom, and walls defining two independent arcuate fluid passageways between said rows of moving blades establishing a connecting flow path between the outer concentric passageway of said first row of blades and the inner concentric passageway of said second row and between said outer passageway of said second row and said inner passageway of the first row of moving blades.

2,624,174

HYDRAULIC JACK

Jakob Loef, Moosburg, Germany
Application April 9, 1949, Serial No. 86,471
In Germany October 1, 1948
7 Claims. (Cl. 60-52)

1. A hydraulic unit of the class described, comprising: a motor cylinder, a motor piston movably disposed within the motor cylinder and having a pump cylinder and closable pump inlet passage formed therein, said pump cylinder com-

municating through outlet check valve means with the motor cylinder; a pump piston reciprocally disposed within the pump cylinder; a reservoir adapted to contain hydraulic fluid; inlet check valve means carried by the motor piston and disposed to admit fluid from the reservoir through said pump inlet fluid passage into the

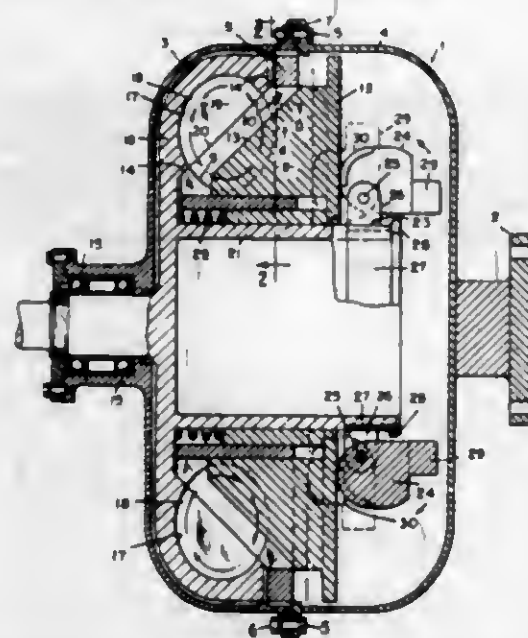


pump cylinder upon the suction stroke of the pump piston; and closure means carried by the motor cylinder and disposed to close said pump inlet fluid passage in response to a predetermined maximum movement of the motor piston relative to the motor cylinder, whereby the maximum stroke of the motor piston is limited by making the pump ineffective.

2,624,175

FLUID COUPLING WITH RELATIVELY AXIALLY MOVABLE VANE MEMBERS

William G. Raney, Shaker Heights, Ohio
Application September 8, 1951, Serial No. 245,747
2 Claims. (Cl. 60-54)



2. A fluid coupling comprising a hollow generally cylindrical casing adapted to contain a body of fluid, a driving member diametrically across an intermediate portion of said casing, said driving member comprising a generally radially slotted plate non-rotatably and axially fixedly mounted in said casing and formed with an annular recess around one side thereof, and a vane member axially slidable with respect to said plate and having vanes extending through the slots of said plate into such recess, a driven member journaled in said casing axially opposed to said plate, said driven member being formed with an annular recess generally radially sub-divided by vanes and axially opposed and complementary with the recess and vanes of said driving member whereby upon rotation of said casing and said driving member torque is transmitted through such fluid and the opposed sub-divided recesses to said driven member, and means responsive to rotation of said driven member by said driving member and operatively connected to said vane member to axially move the latter toward said driven member and thereby reduce the slip between said

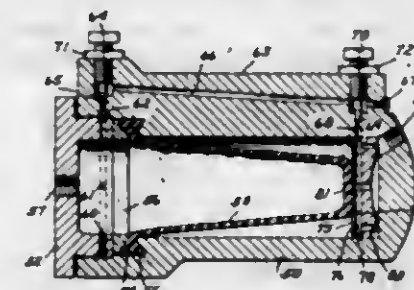
driving and driven members, the opposed marginal edges of the vanes of said driving and driven members lying in generally conical planes whereby, when said members are spaced apart axially, the energy of the fluid is transmitted from a smaller diameter of said driving member to a larger diameter of said driven member to achieve a torque multiplication.

2,624,176

SAFETY DEVICE FOR VEHICLE BRAKE SYSTEMS

Henry H. Osborne, Gresham, Oreg., assignor to Leo M. Jansen, Gresham, Oreg.

Application April 10, 1950, Serial No. 155,005
3 Claims. (Cl. 60-54.5)



2. A safety device for insertion in a hydraulic brake system of the type including a master cylinder from which conduits lead to individual braking mechanisms associated with the wheels of a vehicle, comprising a pressure chamber having an inlet for communication with the master cylinder and an outlet for communication with one of the braking mechanisms, a flexible diaphragm dividing said pressure chamber into two separate compartments which are normally maintained against communication with each other, means providing a passage by-passing said diaphragm for interconnecting said compartments, valve means normally closing said bypass passage, and a perforated member inserted in said pressure chamber between said flexible diaphragm and said outlet, said perforated member permitting free passage of hydraulic fluid from said chamber but protecting said flexible diaphragm from being forced into the outlet from said chamber.

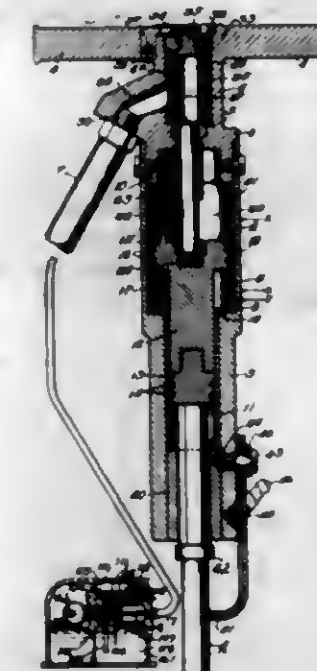
2,624,177

HYDRAULIC IMPACT TOOL

Charles F. Warren, Milwaukee, Wis.; Kathleen Warren, executrix of said Charles F. Warren, deceased, assignor to Charles F. Warren, Jr.
Application February 8, 1945, Serial No. 576,767
11 Claims. (Cl. 60-54.5)

9. In a hydraulic impact transmitting system which includes a conduit confining a rigid, reciprocable column of liquid with an impulse producing pump having a cylinder and a piston therein closing one end of said conduit and means maintaining the liquid column under a predetermined initial pressure: a fluid operated tool having a work delivering piston closing the other end of the conduit, an air compressing piston of materially greater diameter than the work delivering piston and in pressure transmitting connection therewith, a cylinder in which the latter piston reciprocates, an impact delivering plunger rigid with said air compressing piston and extending from one end of its cylinder in substantially air-tight relation thereto, whereby the air in the space between said end of the cylinder and said piston provides a pneumatic spring for re-

turning the plunger from its impact stroke, and means automatically replacing leakage of air from said space, the end of the last mentioned cylinder behind the air compressing piston hav-



2,624,178

COOLING OF THE ROD IN ROD ROLLING MILLS

Noel Phillips Bedson, Southport, England, assignor to Blaw-Knox Company, Pittsburgh, Pa.
Application December 23, 1948, Serial No. 66,972
In Great Britain June 7, 1948
6 Claims. (Cl. 62-1)



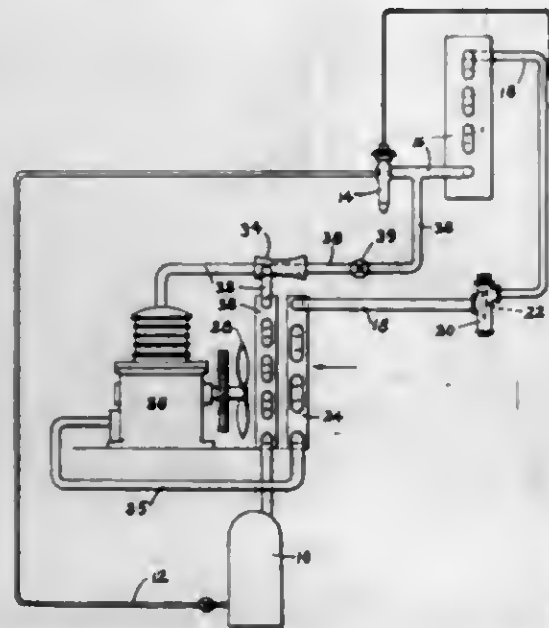
3. Apparatus for treating hot rolled metal rods or the like during axial movement thereof, comprising a tube through which said rods move, a nozzle connected to said tube at a distance from the entering end thereof and having access to the interior of said tube, said nozzle further being coaxial with the axis of said tube, an outer casing forming a part of said nozzle and having an interior wall converging toward said entering end of said tube, an inner nozzle forming a part of said nozzle and having an end toward said entering end of said tube converging toward the axis of said tube, said inner wall of said outer casing and said converging end of said inner nozzle defining an annular gap, means defining a central bore through said inner nozzle coaxial with the axis of said tube, said bore diverging in the direction of said tube, rigid water shedding blocks in longitudinal alignment adjacent the rod-leaving end of said nozzle, said blocks each having central tapering bores therethrough coaxial with the axis of said central bores and said inner nozzle and diverging toward said nozzle, said rods passing through said bores, said central tapering bores having a minimum diameter approximating the amplitude of the lateral movement of said rods while passing therethrough, said blocks further

defining gaps substantially between said central bores therein, whereby said rods are cooled to a predetermined degree with reduced drag and the cooling fluid removed therefrom by wiping contact with said blocks during the passage of said rods through the tube, nozzle and water shedding sections of said apparatus.

2,624,179

REFRIGERATING APPARATUS WITH DEFROSTING MECHANISM

William E. Dalsey, Woburn, Mass.
Application August 31, 1949, Serial No. 113,375
3 Claims. (Cl. 62-3)



3. Refrigerating apparatus comprising a receiver for a refrigerant, an expansion valve, an evaporator, a suction throttle valve embodying an auxiliary constrictor valve portion, said suction throttle valve being adapted to be closed at a predetermined rise in pressure, while said constrictor valve portion remains open, a compressor, a Venturi, a condenser, conduits in communication respectively with said receiver, expansion valve, evaporator, suction throttle valve, auxiliary constrictor valve portion, compressor, Venturi and condenser, whereby a refrigerant may flow therethrough to make a complete refrigerating cycle, a valve to control the flow of gas closed normally, and a conduit extending between and in communication with said gas valve and said Venturi at one side and in communication with said gas valve and evaporator at the opposite side, said Venturi serving as a siphon to maintain flow of said refrigerant from said condenser and receiver to said evaporator and return when said gas valve is open during the defrosting operation.

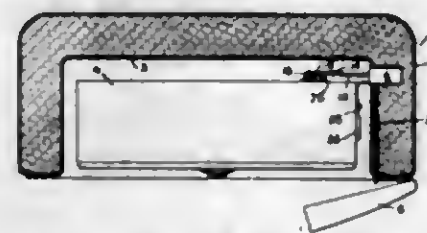
2,624,180

AUTOMATIC DEFROST ACTUATOR

Charles S. Grimshaw, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 6, 1951, Serial No. 260,290
17 Claims. (Cl. 62-4)

17. In a refrigerator including an evaporator, evaporator heating means, a compressor, circuits controlling said evaporator heating means and said compressor and a door, means for defrosting said evaporator when frost forms thereon in excess of a predetermined thickness comprising: a switch normally set for maintaining said evaporator heating means and compressor motor cir-

cuits open and closed, respectively, an arm, a push rod associated with said door, said push rod being actuated by movement of said door to closed position for inoperatively positioning said arm, a spring biasing said push rod to move said arm to an operative position a predetermined distance from said evaporator, a stop engageable by said arm for determining said operative position, a button attached to said arm by a spring, said button being positioned away from said evaporator when said arm is inoperatively positioned, said button being positioned by said arm a predetermined proximity to said evaporator corresponding to said predetermined thickness of frost when said arm is in its operative position, an actuator mounted slidably on said arm for longitudinal movement relative thereto, a spring connecting said actuator with said arm and whereby said actuator is normally biased for actuating said switch to close and open said circuits of said evaporator heating means and said

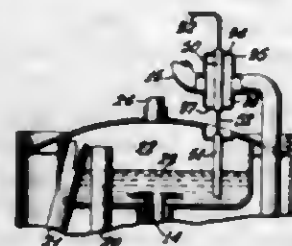


compressor motor, respectively, and thereby initiating a defrosting operation, said actuator normally engaging said button and being thereby restrained from actuation of said switch, said button being arranged to move relative to said arm when frost formed on said evaporator in excess of said predetermined thickness prevents movement of said button to said predetermined proximity to said evaporator, the movement of said button relative to said arm being effective for releasing said actuator to thereby actuate said switch, a bellows associated with said actuator, said bellows being responsive to the temperature of said evaporator and effective at a predetermined maximum temperature thereof for restoring said actuator whereby said switch is reset and defrosting of said evaporator is stopped, and adjusting means associated with said bellows for determining the temperature of said evaporator at which said actuator is restored.

2,624,181

MEANS AND METHOD OF CONTROLLING REFRIGERATION SYSTEMS

Lee Roy Erwin, Monrovia, and Joseph B. Griffith, Pasadena, Calif., assignors to Affiliated Gas Equipment, Inc., Cleveland, Ohio, a corporation of Delaware
Application May 9, 1949, Serial No. 92,102
8 Claims. (Cl. 62-3)



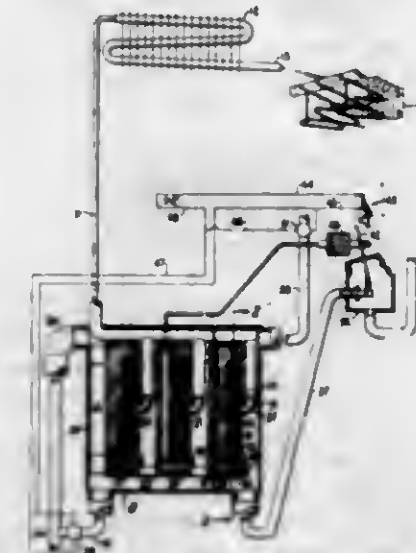
1. In a refrigeration system having an expansion valve, a reservoir adapted to receive liquid refrigerant, an expansion coil in communication with said reservoir and a suction line adapted to exhaust gaseous refrigerant from said expansion coil, means responsive to temperature

variations adapted to actuate said expansion valve, said means comprising means defining a chamber in series in said suction line, a tubular member extending through said chamber and into said reservoir, a bulb containing a vapor adapted to vary the pressure in said bulb in response to temperature variations disposed in said tubular member, and a capillary tube communicating the pressure from said bulb into said expansion valve for actuation thereof.

2,624,182

ABSORPTION REFRIGERATION APPARATUS

Alfred G. Gross, Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 21, 1949, Serial No. 94,539
11 Claims. (Cl. 62-118)



1. Generator-absorber structures containing solid absorbents and having a wall including a heat transfer surface through which the solid absorbent is heated or cooled and means for heating or cooling said wall to maintain said surface at a substantially uniform temperature in which the charging density of said absorbent is within the limits of 55% of charging density with no part of said absorbent distant from said wall more than $\frac{1}{4}$ inch and 65% charging density with no part of said absorbent distant from said wall more than $\frac{1}{2}$ inch respectively.

2,624,183

APPARATUS FOR MENDING HOSIERY

Merle M. Brown, Princeton, Ky., assignor, by mesne assignments, to Marvel Specialty Company, Incorporated, Paducah, Ky., a corporation of Kentucky
Application June 14, 1950, Serial No. 168,063
6 Claims. (Cl. 66-1)

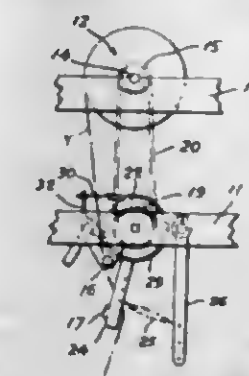


1. Apparatus for restoring to position a displaced thread of a knitted fabric by the application to a portion of such thread of a succession of light rapidly repeated blows, said apparatus comprising a series of elongated, similarly curved, flexible elements disposed in a common plane, the inner of each such element being positioned adjacent a common axis normal to said plane and their outer ends being unconnected and disposed

in a circle centered on said axis, and a hub upon which the inner ends of said elements are mounted, said hub including two clamping members and means for releasably maintaining said members in fixed relationship with the inner ends of said elements tightly clamped therebetween.

2,624,184

LETOFF DEVICE FOR KNITTING MACHINES
Harold C. Noe, Upper Montclair, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application February 24, 1950, Serial No. 145,941
8 Claims. (Cl. 66-86)

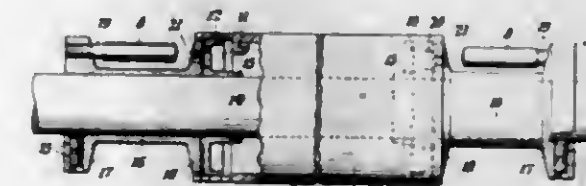


1. In a warp knitting machine, the combination of a warp beam, a brake drum mounted for rotation having an annular V-shaped cross-sectioned groove in the periphery thereof, chain and sprocket means connecting said brake drum for rotation with said warp beam, a V-shaped cross-sectioned brake band in said groove extending about said drum, a spring for urging said band into engagement with said drum, yarn tensioning means including a bar adapted to be engaged by the yarn supplied from said warp beam, and means for pivotally mounting said tension bar including an arm for causing said brake band to release said brake drum.

2,624,185

FABRIC TAKE-UP MECHANISM FOR KNITTING MACHINES

Albert Friedmann, Reading, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application December 9, 1948, Serial No. 64,326
3 Claims. (Cl. 66-149)

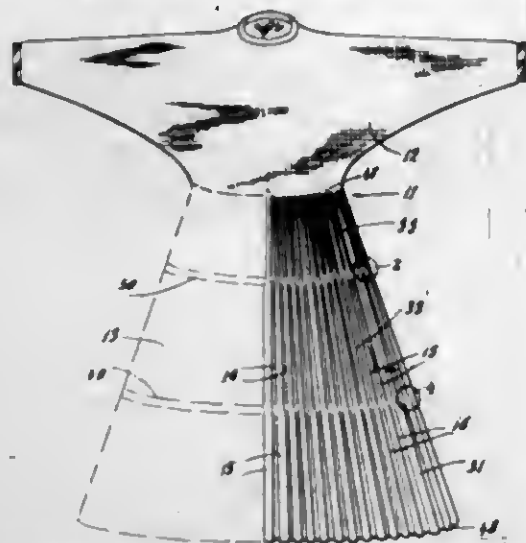


1. In take-up mechanism for flat knitting machines having straps whereby the fabric is drawn from the needles during the knitting, a receiving roll of a length in excess of the width of the fabric; a driven shaft whereon the roll is freely mounted; flanged spool-shaped collars disposed adjacent opposite ends of the roll and secured to the shaft with capacity for independent rotative adjustment; and pins extending crosswise between the end flanges of the collars in parallel relation to the shaft for attachment of corresponding ends of the draw straps.

2,624,186

KNITTED GARMENT

Samuel Feldman, Forest Hills, N. Y., assignor to
Lass O' Scotland Ltd., New York, N. Y., a cor-
poration of New York
Application May 27, 1952, Serial No. 290,177
9 Claims. (Cl. 66-175)



1. A woman's knitted dress comprising an upper body portion and a skirt portion secured beneath said upper body portion; said upper body portion being formed of knitted fabric comprising a plurality of rows of stitching, said skirt portion being formed of knitted fabric comprising a plurality of sections, one below another; stitching independent of the stitching comprising said sections joining said sections to each other at their horizontal edges at points spaced from each other and from the upper and lower ends of said fabric; each of said sections being formed with a plurality of longitudinal series of longitudinal rows of stitching projecting from the front surface of the fabric, and with an additional plurality of longitudinal series of longitudinal rows of stitching projecting from the rear surface of the fabric, and wherein a lower section is formed with a greater number of rows in one form of said series than is an upper section so that said skirt portion is wider at its lower end than at its upper end.

2,624,187

TABLE LIGHTER

Frank N. Mariani, New York, N. Y.
Application July 20, 1950, Serial No. 174,921
9 Claims. (Cl. 67-4.1)



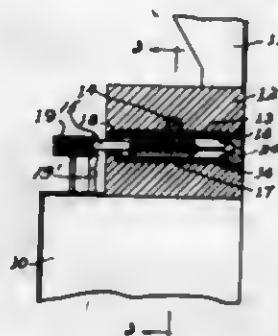
2. In a lighter, a housing having a bowl, a casing, means detachably securing said casing to said bowl, spring means carried by said bowl, a fuel tank movably disposed within said bowl and casing and seated on said spring means, a flint holder within said casing, said tank having wick carrying means slidably guided by said holder, a spring controlled snuffer pivoted to said holder

and having means cooperating with said carrying means to bodily depress said fuel tank against the resistance of said spring means on closing of said snuffer, keeper means on said snuffer, latch means pivoted relative to said holder and having means for interlocking with said keeper means, a spring for maintaining said latch interlocked with said keeper means, and means movably carried by said casing for actuating said latch against the resistance of said spring to open said snuffer for automatically elevating said fuel tank.

2,624,188

CIGARETTE LIGHTER

Angus McNeill, Chicago, Ill.
Continuation of application Serial No. 709,459,
November 13, 1946. This application April 6,
1950, Serial No. 154,237
8 Claims. (Cl. 67-7.1)

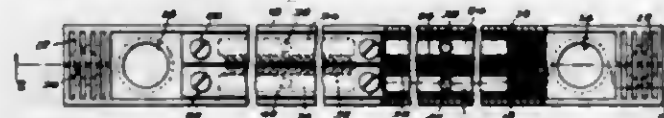


2. In a friction lighter of the type having a support, a friction wheel carried on said support, a flint movable into abutment with said wheel, feed means resiliently urging said flint against said wheel, a fuel reservoir having means for conducting fuel therefrom positioned substantially in the path of sparks produced by rotation of said wheel against said flint, and a cover pivoted to said support for movement between closed position enclosing said wheel, flint and fuel conducting means and open position exposing said latter elements, in combination, a guide for said flint carried by said support for rotation about the axis of said flint and guiding said flint for sliding feed movement by said feed means, said guide holding said flint for rotation therewith, a driven element rotatable as a unit with said guide, and means including a driving element actuated by said cover in moving from one to another of its said two positions for turning said driven element, and thereby said guide and flint, a predetermined extent about said axis.

2,624,189

APPARATUS FOR FLUID TREATMENT OF FILAMENTARY MATERIALS

Pyam L. Pendleton, Cranston, R. I., assignor to
Hampton Machine Company, a corporation of
Rhode Island
Application January 17, 1948, Serial No. 2,947
8 Claims. (Cl. 68-19)



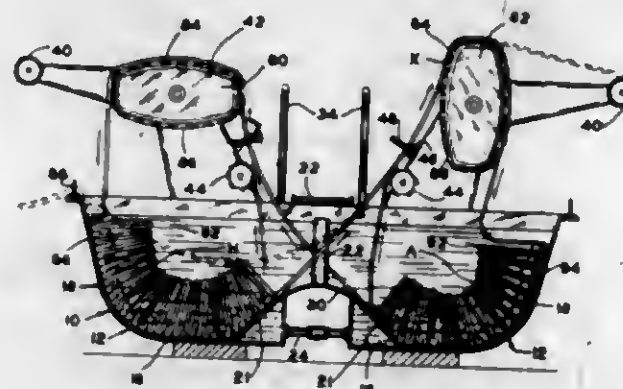
1. Apparatus for the high pressure liquid treatment of a traveling strand of filamentary material without harmfully disrupting the same, which comprises: a trough adapted to contain a bath

of treating liquid at substantially atmospheric pressure, a manifold mounted within said trough, conduits for supplying treating liquid under high pressure to said manifold, said manifold having a pair of substantially vertical closely spaced opposing walls extending longitudinally within said trough and said trough having an upwardly facing surface beneath and intersecting said walls and defining therewith a narrow longitudinally extending channel, said manifold having a series of submerged ports arranged in line in each wall for admitting treating liquid to said channel, the ports of one of said series facing corresponding ports of the other series so that the resulting pairs of opposed jets will mutually impinge upon and counteract each other, said ports likewise being close to said upwardly facing surface whereby the portion of said channel substantially between said surface and the region defined by the points of mutual impact of said opposing jets and bounded by the intermediate portions of said walls will constitute a narrow longitudinal treating zone of high liquid pressure through which said strand may travel in the direction of its length.

2,624,190

APPARATUS FOR TREATING WEBS OF FABRIC

William J. Koch, Midland Park, N. J., assignor to
Colonial Print Works, Inc., Paterson, N. J., a
corporation of New Jersey
Application December 27, 1948, Serial No. 67,425
5 Claims. (Cl. 68-176)



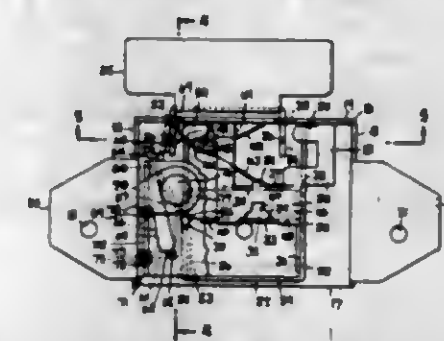
1. In apparatus for treating webs of fabric and the like; the combination of a tub for containing a bath of liquid and including a bottom wall, oppositely inclined and upwardly diverging end walls and upwardly converging wall sections extending from the central portion of said bottom wall to divide the tub into two sections; a drum rotatably mounted above each of said tub sections; and means for rotating said drums to continuously draw a web of fabric over said drums and through the liquid in the tub; each of said drums being substantially four-sided in cross-section and having adjacent sides of unequal lengths for stacking the fabric in superimposed folds of alternating relatively long and short lengths, each of said drums being positioned so that the paths of travel of the sides thereof of shorter length extend between the vertical projections of the top and bottom of the related inclined end wall so that the folds of fabric are deposited against said related end wall and the stacked folds are guided by the latter and by said bottom wall and the related wall section so that the end fold of the stack rides up said related wall section and is relieved of the weight of the remaining folds in the stack for easy withdrawal from the latter by the drum over which the fabric web next runs.

666 O. G.-7

2,624,191

COMBINED LATCH AND LOCK

George L. Boden, Middle Haddam, and George D. Wlebert, Branford, Conn., assignors to The
Merriam Manufacturing Company, Durham,
Conn., a corporation of Connecticut
Application December 23, 1948, Serial No. 66,953
2 Claims. (Cl. 70-70)



1. In a lock for a box having a body, a cover hinged thereto and a striker secured to said cover, the combination including: lock-mechanism secured to the body of said box, said lock-mechanism being arranged to be operated by a key to move into and from engagement with said striker when said cover is closed to lock and unlock said cover to and from said box-body respectively; a latch mounted on said box-body in the plane of said lock-mechanism and to one side thereof; resilient-means in engagement with said latch, said resilient-means being adapted to hold said latch normally in engagement with said striker when said cover is closed thereby to latch said cover to said box-body, said latch being arranged to be engaged by said lock-mechanism and moved out of engagement with said striker against the resistance of said resilient-means as said lock-mechanism is moved into engagement with said striker and to be automatically re-engaged with said striker by the force of said resilient-means as said lock-mechanism is moved away from said latch out of engagement with said striker; and means for operating said latch independently of said lock-mechanism, said latch-operating means comprising a bell-crank lever having an articulated connection with said latch and a button for manually actuating said bell-crank lever.

2,624,192

KEY RETAINER

Orla S. Elliff, Joplin, Mo., assignor to The Meeker
Company, Inc., Joplin, Mo., a corporation of
Missouri
Application April 27, 1950, Serial No. 158,451
3 Claims. (Cl. 70-456)



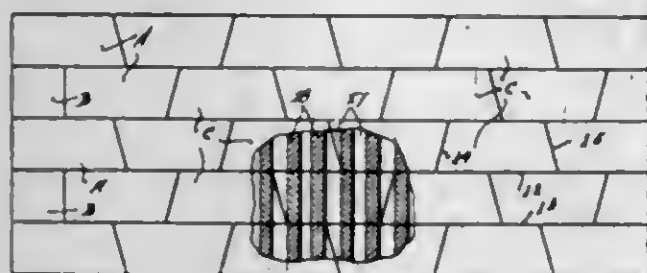
2. A key retainer for a key case comprising a first member adapted to be attached to the key case, said first member having front and rear plate portions forming a channel therebetween, one of said plate portions having an extension formed with spaced slots extending inwardly from its free margin, said slots being sized to pass key hangers, a second member formed with a plate-like portion slidable in the channel of said first member and with a cylinder portion en-

closing said slotted extension, said cylinder portion having spaced key hanger retaining slots in its periphery and connected slot enlargements arranged to move across and into and out of registry with the slots in said slotted extension upon sliding of said plate-like portion in said channel, and a spring concealed in the channel of said first member behind said front plate portion, said rear plate portion having an aperture through which said spring is inserted and removed, and said spring being anchored to said rear plate and abutting said second member for normally urging the second member to a position in which the cylinder slot enlargements and extension slots are out of registry to block said hanger retaining slots and prevent removal of a key hanger.

2,624,193

WALL OF HOLLOW BUILDING BLOCKS

Willard A. Larson, Preston, Idaho
Application August 30, 1949, Serial No. 113,136
2 Claims. (Cl. 72-41)



1. A wall composed of layers of cored blocks in superposed relation, said blocks having horizontally disposed top and bottom surfaces and having end faces disposed in converging planes at acute angles from verticality, succeeding blocks in a layer being respectively reversely disposed so that the planes of adjacent end faces are parallel, said blocks being vertically cored to provide in each block a plurality of vertical passageways defined by vertical side walls and by transverse webs perpendicular thereto, said ends of said blocks being partially cored so that said vertical side walls extend triangularly beyond the outermost webs to form with the corresponding side walls and webs of adjacent blocks vertical passageways between adjacent blocks; succeeding layers of blocks being so arranged that said passageways are axially aligned and extend uninterruptedly through said wall, said succeeding layers being further so arranged that edges of inner webs substantially overlie the horizontal junction lines of adjacent blocks thereunder whereby the planes of adjacent end faces diagonally intersect the said inner webs.

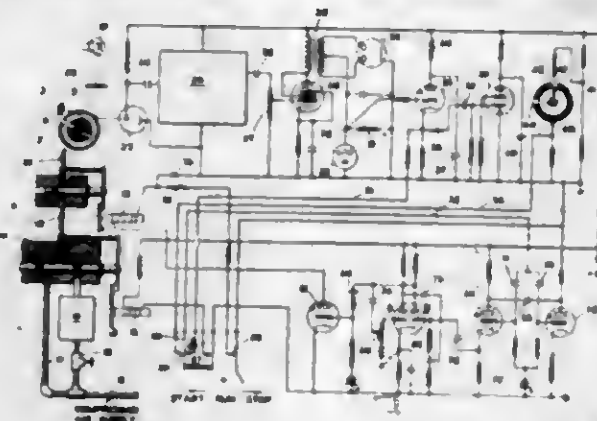
2,624,194

TIMING APPARATUS FOR CLOCKS AND WATCHES

Parker B. Wickham, Delavan, Wis., assignor to The George W. Borg Corporation, Delavan, Wis., a corporation of Delaware
Application March 31, 1948, Serial No. 18,197
10 Claims. (Cl. 73-6)

1. The combination, for use with a balance wheel and associated hairspring to be regulated, of means including an electro-magnetic air valve for delivering puffs of air to said wheel, means for generating a series of electrical impulses having a frequency equal to the correct beat frequency of said wheel, apparatus responsive to said impulses for transmitting a second series

of electrical impulses to said valve at one half the beat frequency of said wheel, means responsive to the oscillation of the wheel for generating

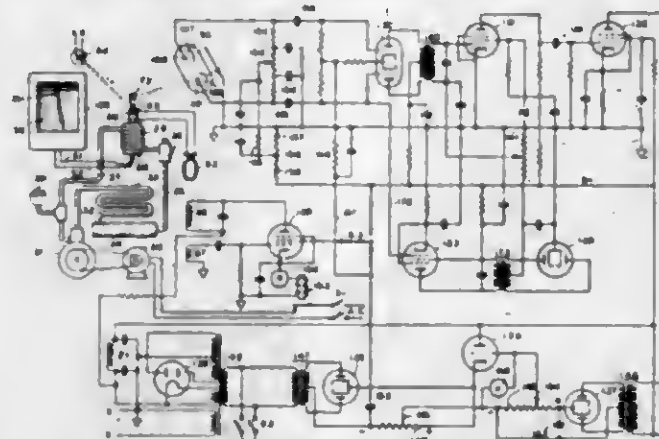


a third series of electrical impulses, and means for causing said apparatus to respond to said third series of impulses after responding to one or more impulses of said first series.

2,624,195

DEW POINT HYGROMETER

De Witt T. Van Alen, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application October 25, 1946, Serial No. 705,689
22 Claims. (Cl. 73-17)



12. In a dew point hygrometer, an element having a light reflecting surface, means for cooling said element to cause dew to be deposited on said surface, means including an oscillator for heating said surface, said oscillator including a space discharge device having a screen grid, a second space discharge device constituting a control tube, a source of anode current for said devices, a resistor connected between the cathode of said control tube and the negative terminal of said source, a conductor extending from said screen grid to the junction of said resistor and said cathode, whereby said oscillator is rendered inoperative by the negative potential at said junction when no anode current is flowing in said control tube, means responsive to a reduction in the light reflected from said surface by deposit of dew thereon for causing anode current to flow in said control tube to thereby raise the potential at said junction and start said oscillator.

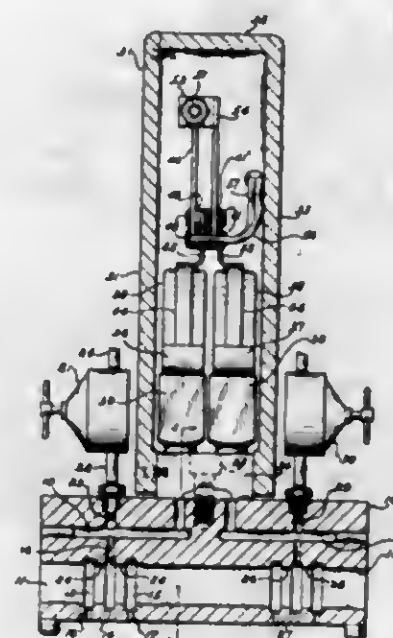
2,624,196

PNEUMATIC GAUGING DEVICE

Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application April 28, 1948, Serial No. 23,729
4 Claims. (Cl. 73-37.5)

1. Apparatus for gauging the amount of taper of a part comprising a holder for the part to be

gauged said holder having a pair of gauging orifices spaced apart in the direction of the part axis and cooperating with the part to determine the amount of leakage of fluid supplied to said orifices, means for supplying fluid under controlled pressure to said orifices, a pair of fluid pressure responsive elements respectively connected in communication with said orifices, means

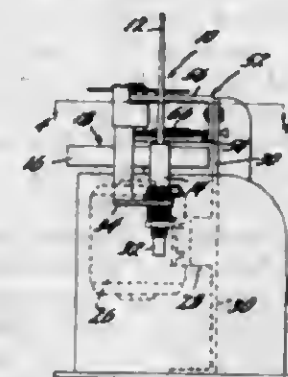


supporting said elements side by side, a contact carrying arm on each of said elements, a contact on one of said arms, a second contact adjustably mounted on the other of said arms and normally spaced from said first contact, the contacts being adapted for engagement with one another only when a predetermined differential exists in the pressure to which said elements are subjected.

2,624,197

SPINDLE DYNAMOMETER

William V. Goodhue, Warwick, and Hans H. Wormser, Providence, R. I., assignors to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application May 4, 1951, Serial No. 224,494
4 Claims. (Cl. 73-136)

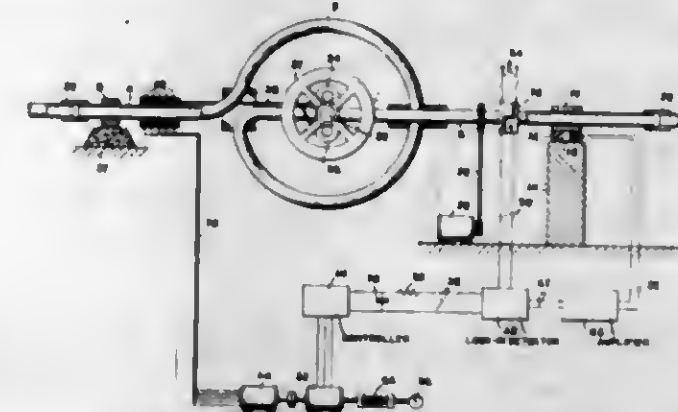


1. A dynamometer for determining the effects of bobbin unbalance in terms of power required to drive a textile spindle carrying the bobbin comprising a spindle including a whorl, movable means for rotatably supporting said spindle, a spindle driving means having an endless surface drivably engaging the said whorl, said spindle supporting means being movable to permit the movement of said spindle along said endless surface while maintaining said whorl in contact therewith, and means for yieldingly resisting the movement of said spindle along said endless surface.

2,624,198

FLOWMETER

John M. Pearson, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 8, 1949, Serial No. 114,587
12 Claims. (Cl. 73-194)



1. A flow meter comprising a curved conduit, means for leading fluid to and from said conduit, means for imparting to said conduit angular movement about an axis transverse to an axis about which there exists angular momentum of the fluid flowing through the conduit, and means, including a device sensitive to gyroscopic couples of said conduit transverse to the axis of movement of the conduit, for indicating mass flow through the conduit.

2,624,199

FLUID FLOWMETER

Myron H. Boyer, Puente, Calif.
Application March 29, 1946, Serial No. 658,193
8 Claims. (Cl. 73-202)
(Granted under Title 35, U. S. Code (1952), sec. 266)



3. A fluid flow meter including a first bypass duct having a relatively small effective diameter for passing a proportionate part of the flow to be measured at velocities approaching the zero velocity, a second bypass duct having a large effective diameter relative to said first duct for passing a proportionate part of the flow to be measured at velocities substantially greater than the fluid velocity in said first duct, first and second elements disposed in the flow paths of said first and second ducts respectively thermally responsive to variations in fluid flow thereover, an electrical circuit including said elements, and indicating means in said circuit operative to cumulatively indicate the response of said elements.

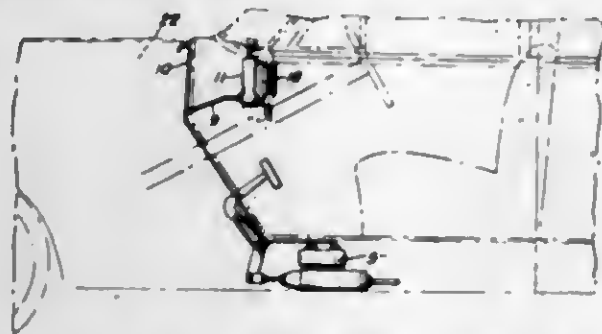
2,624,200

BRAKE FLUID INDICATOR

Marvin D. Sparlin, Neosho, Mo.
Application October 23, 1950, Serial No. 191,526
1 Claim. (Cl. 73-323)

A brake fluid level indicator for master brake cylinders comprising in combination, a tank, a bracket adapted for attaching to the rear of an

instrument panel of a motor vehicle and supporting the tank behind an opening in the panel, a pipe connecting the bottom of the tank to the top of the cylinder for feeding fluid by gravity from the tank to the cylinder, a filler cap for the tank and mounted in the top of the instrument panel,



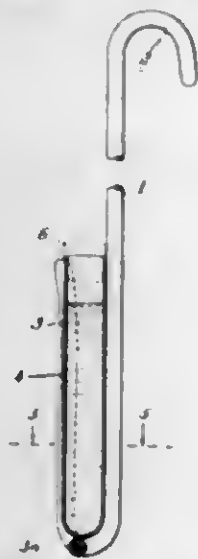
a vent pipe rising from the cylinder to a point above the level of fluid in the tank, and a gage glass connected to a side of the tank in alignment with the opening in the instrument panel.

2,624,201

MILK SAMPLING DEVICE

William M. Thomson, New Scotland Township, Albany County, N. Y.

Application September 21, 1949, Serial No. 116,880
1 Claim. (Cl. 73-425.4)



A liquid sampling device comprising an elongated rod, two substantially parallel elongated resilient fingers extending substantially parallel to said rod adjacent one end thereof and spaced substantially equally from said rod and from each other, a cylindrical container inserted and frictionally secured between said fingers and said rod, said fingers approximating the length of a container to be held thereby and being substantially shorter than one-third the length of said rod, one of said fingers comprising a reversely bent extension of said rod and means for securing the other of said fingers directly to said rod and the first finger at such bend, the connections between said fingers and said rod forming a stop for limiting movement parallel to said rod of the container.

2,624,202

ENGINE STARTER GEARING

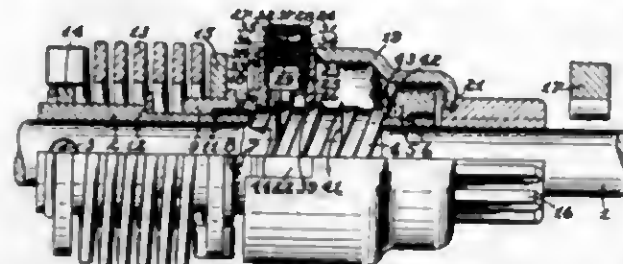
Donald L. Miller, Horseheads, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware

Application May 3, 1951, Serial No. 224,285

6 Claims. (Cl. 74-7)

1. In an engine starter drive a power shaft, a screw shaft rotatably mounted thereon, means

including an overrunning clutch for rotating the screw shaft from the power shaft, a pinion slidably journaled on the power shaft for movement into and out of mesh with a member of an engine to be started, a control nut on the screw shaft, a barrel member connecting the control nut to the pinion, said screw shaft having a peripheral notch formed therein, a centrifugal detent



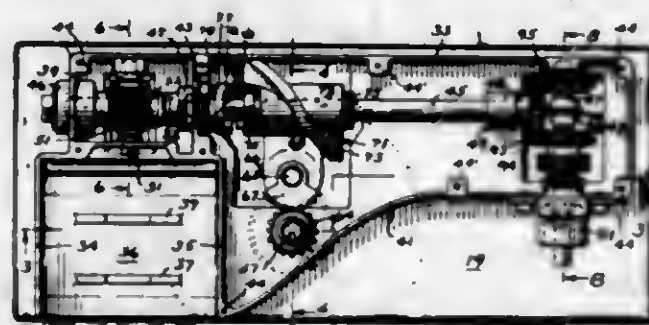
mounted to rotate with said control nut and barrel and engageable with said notch in the screw shaft as the pinion approaches its fully meshed position, spring means urging the detent into engagement with the screw shaft and holding it so engaged until the control nut attains a critical speed and means for delaying withdrawal of the latch from the notch after said critical speed is exceeded for a predetermined time.

2,624,203

DRIVE FOR WASHING AND WRINGING UNIT

August H. Hartmann, Oakland, Calif.

Application September 4, 1945, Serial No. 614,121
5 Claims. (Cl. 74-17)



3. In a washer unit for clothing and the like, a base arranged for support in fixed position upon the rim of a wash tray, an upright agitator shaft depending through the base and mounting a drive gear above the base, a drive shaft carried by the base in overlying relation to it and in the plane of the gear, a drive cam carried by the drive shaft and providing a continuous and uniform one-turn radial cam flange oblique to the shaft axis, an element movable on said base for movement between limiting positions thereof and providing a fork means fixedly related thereto and constantly engaging the cam flange for effecting an actuation of the element between its limiting positions as the cam is rotated, and a direct gear connection between the element and the gear of the agitator shaft disposed solely on the cam side of the shaft gear.

2,624,204

MECHANICAL MOVEMENT

Otto Babst, Berlin-Haselhorst, Germany, assignor to Rotaprint Akt. Ges., Berlin, Germany, a company of Germany

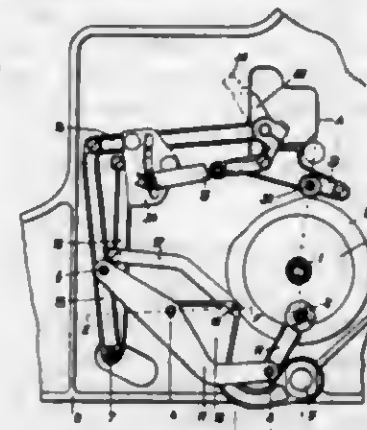
Application June 22, 1950, Serial No. 169,546

In Germany December 31, 1948

8 Claims. (Cl. 74-42)

1. A pivot gearing for printing and manifolding machines, comprising a driving crank, a drive-forming rocking lever, a three-pivot coupling

member and associated pivoted members to control the movements of said rocking lever and a stationary pivot on the frame of said gearing, said coupling member being coupled directly with said rocking lever on the driven side and, through one of said pivoted members, with said driving crank, the third pivot of said coupling



member being connected, through a second of said pivoted members, with said stationary pivot and said pivoted members and said rocking lever being pivotally connected with said coupling member to cause the motive forces to act in the zone of the medial plane of said coupling member or of said pivoted members.

2,624,205

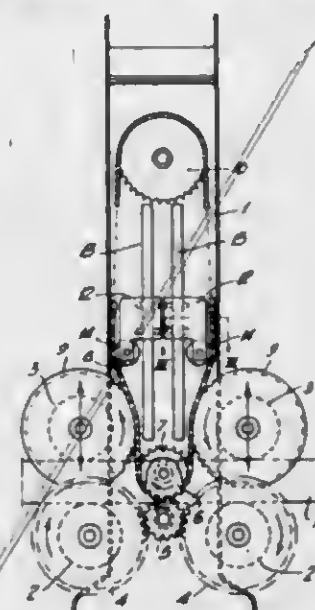
SAW FRAME

Axel Samuel Ellström, Skutskar, Sweden, assignor to Söderhamns Verkstäder Aktiebolag, Söderhamn, Sweden

Application September 27, 1948, Serial No. 51,359

In Sweden December 21, 1946

2 Claims. (Cl. 74-242.14)



1. In a chain drive mechanism for a pair of vertically adjustable parallel top feed rollers of a saw frame log feeding device, in which the chain is endless and of substantially vertical disposition, engaging by each lateral portion a chain wheel of the respective feed roller, the improvement comprising the provision with each such lateral chain portion of a tightening pulley engaging the chain portion at a lateral distance from the vertical plane through the axis of the feed roller which is less than the radius of the respective chain wheel, a vertically movable carriage for supporting said tightening pulley, and means for guiding the carriages vertically while allowing them to move freely independently of each other and to act as loads for the tightening pulleys, thereby causing them to bend the lateral chain

portion around a large portion of the periphery of the chain wheels as compared with an engagement between the chain wheels and straight portion of the chain.

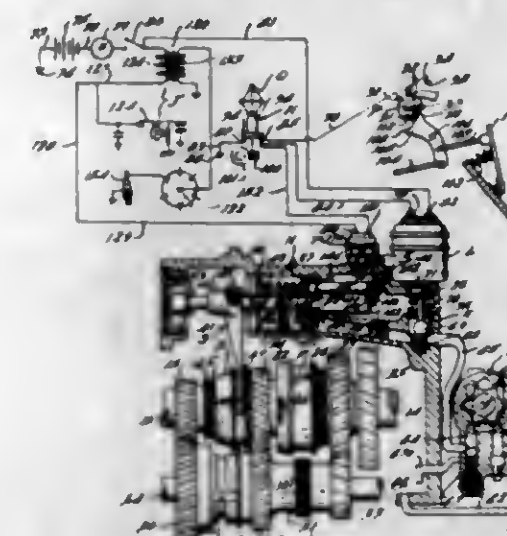
2,624,206

TRANSMISSION CONTROL SYSTEM

Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 24, 1951, Serial No. 238,299

7 Claims. (Cl. 74-472)



1. In a power transmission for driving a vehicle having an engine provided with an ignition system; a shiftable transmission drive control element shiftable from a first position disengaged relative to another drive control element to a second position of engagement with said other element and shiftable out of said second position when operation of said ignition system is momentarily interrupted to relieve the thrust load at said shiftable element, motion transmitting means for shifting said shiftable drive control element, actuating means operable upon said motion transmitting means for effecting shift of said shiftable drive control element between its two said positions and accommodating lost motion operation of said actuating means relative to said motion transmitting means during operation of said actuating means to effect shift of said shiftable control element between said positions, circuit means including a switch device for controlling the ignition system, and mechanical means associated with said actuating means operable upon said switch device during said lost motion operation of said actuating means when effecting shift of said shiftable control element out of said second position and means on said motion transmitting means operable upon said mechanical means as an incident to lost motion operation of said actuating means when effecting shift of said shiftable element from said first to said second position for preventing operation of said mechanical means upon said switch device during shift of said shiftable member from said first to said second position.

2,624,207

TRANSMISSION CONTROL SYSTEM

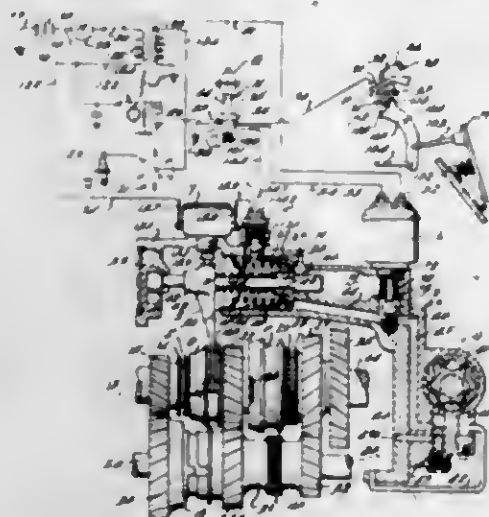
Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 24, 1951, Serial No. 238,300

9 Claims. (Cl. 74-472)

1. In a power transmission for driving a vehicle having an engine provided with an ignition sys-

tem; a shiftable transmission drive control element shiftable from a first position disengaged relative to another drive control element to a second position of engagement with said other element and shiftable out of said second position when operation of said ignition system is momentarily interrupted to relieve the thrust load at said shiftable element, motion transmitting means for shifting said shiftable control element,



actuating means operable upon said motion transmitting means for effecting shift of said shiftable drive control element between its two said positions by said motion transmitting means, and circuit means including a pair of series arranged switches for controlling interruption of the ignition system, one of said switches being operable by said motion transmitting means and the other of said switches being operable by said actuating means.

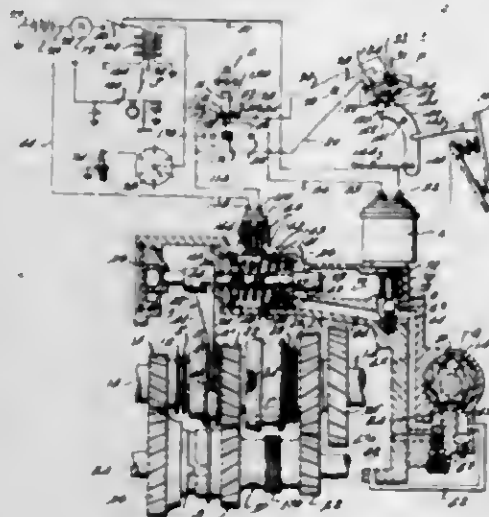
2,624,208

TRANSMISSION CONTROL SYSTEM

Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 24, 1951, Serial No. 238,301

9 Claims. (Cl. 74-472)



1. In a power transmission for driving a vehicle having an engine provided with an ignition system; a shiftable transmission drive control element shiftable from a first position disengaged relative to another drive control element to a second position of engagement with said other element and shiftable out of said second position when operation of said ignition system is momentarily interrupted to relieve the thrust load at said shiftable element, motion transmitting means for shifting said shiftable drive control

element, actuating means operable upon said motion transmitting means for effecting shift of said shiftable drive control element between its two said positions, electromagnetic means for controlling said actuating means, governor means for controlling said electromagnetic means and ignition interruption switch means operable by said actuating means, said governor means including a pair of normally open switches operable when closed for controlling shift of said shiftable element from its said first position to its said second position, one of said switches being in series with said ignition interruption means and the other being in series with said electromagnetic means.

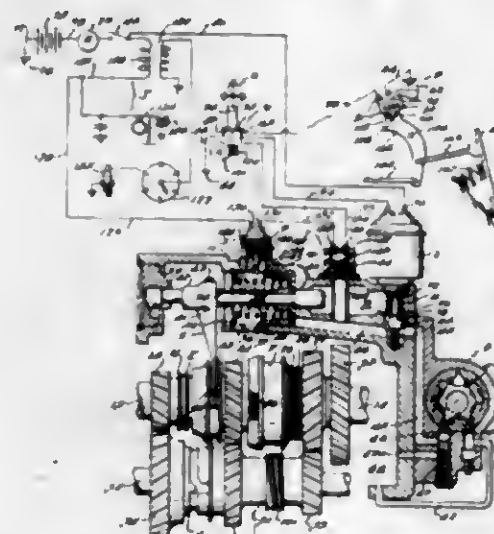
2,624,209

TRANSMISSION CONTROL SYSTEM

Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 24, 1951, Serial No. 238,302

12 Claims. (Cl. 74-472)



1. In a power transmission for driving a vehicle having an engine provided with an ignition system; a shiftable transmission drive control element shiftable from a first position disengaged relative to another drive control element to a second position of engagement with said other element and shiftable out of said second position when operation of said ignition system is momentarily interrupted to relieve the thrust load at said shiftable element, means for effecting shift of said shiftable drive control element between its two said positions, electromagnetically operable means for controlling said shift effecting means, ignition interrupting switch means operable by said shift effecting means when effecting shift of said shiftable drive control element between said first and second positions and again between said second and first positions, ground applying switch means in series electrically with said electromagnetically operable means, and a control switch in series electrically with said ignition interrupting switch means and with said ground applying switch means.

2,624,210

TRANSMISSION CONTROL SYSTEM

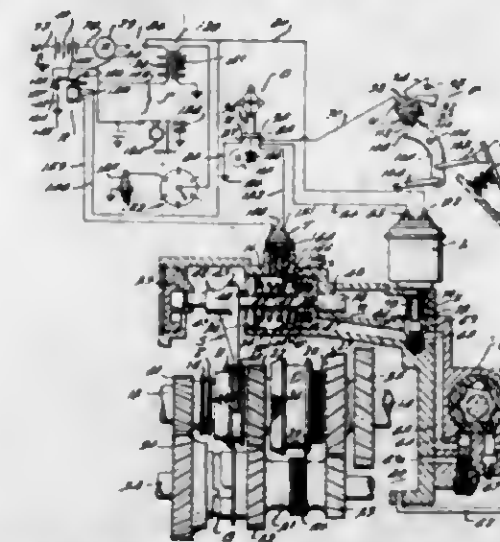
Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 24, 1951, Serial No. 238,303

9 Claims. (Cl. 74-472)

1. In a power transmission for driving a vehicle having an engine provided with an ignition

system having a primary winding; a shiftable transmission drive control element shiftable from a first position disengaged relative to another drive control element to a second position of engagement with said other element and shiftable out of said second position when operation of said ignition system is momentarily interrupted to relieve the thrust load at said shiftable element, means for effecting shift of said shiftable drive control element between its two said positions, electromagnetically operable means for controlling said shift effecting means, ignition interrupt-



ing control switch means operable by said shift effecting means when effecting shift of said shiftable drive control element between said first and second positions, ground applying switch means in series electrically with said electromagnetically operable means and with said ignition interrupting control switch means, and a relay for controlling ignition interruption including a solenoid electrically in series with said ignition interrupting control switch means and an ignition interrupting switch controlled by said solenoid and in series electrically with said primary winding for interrupting the ignition system.

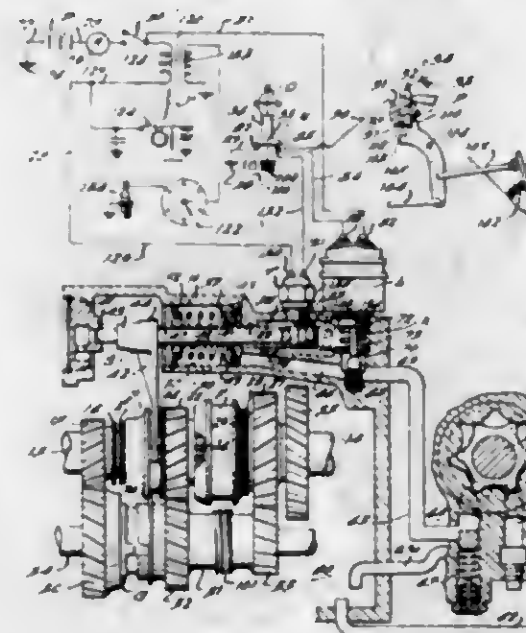
2,624,211

TRANSMISSION CONTROL SYSTEM

William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 24, 1951, Serial No. 238,349

13 Claims. (Cl. 74-472)



1. In a power transmission for driving a vehicle having an engine provided with an ignition sys-

tem; a shiftable transmission drive controlling element shiftable from a first position disengaged relative to another drive control element to a second position of engagement with said other element and shiftable out of said second position when operation of said ignition system is momentarily interrupted to relieve the thrust load at said shiftable element, motion transmitting means for shifting said shiftable element, actuating means operable upon said motion transmitting means for effecting shift of said shiftable drive control element between its two said positions, circuit means including a switch for controlling interruption of the ignition system, and a switch actuated member carried by said motion transmitting means and operable by said actuating means for actuating said switch.

2,624,212

APPARATUS FOR REMOTE CONTROL OF OUTBOARD MOTORS

Kenneth M. Urquhart, New York, N. Y.

Application February 16, 1950, Serial No. 144,441

8 Claims. (Cl. 74-484)



1. In a control device for an outboard motor having a speed control means and a steering lever and adapted to be attached to a boat by a swivel mounting, means for steering said boat comprising a bracket rigidly attached to said steering lever, an elongated control rod, a pivotal connection between one end of said rod and said bracket, the rod being connected solely to said bracket and free of connection to the rest of the boat and adapted to extend longitudinally of the boat, and means for controlling the speed of said motor comprising a flexible linkage attached to the rear end of the control rod and to said speed control means, the arrangement being such that longitudinal movement of said control rod will move said steering lever to turn the motor about its swivel mounting while rotary movement of said control rod about its longitudinal axis will turn said flexible linkage to actuate said speed control means.

2,624,213

DIFFERENTIAL

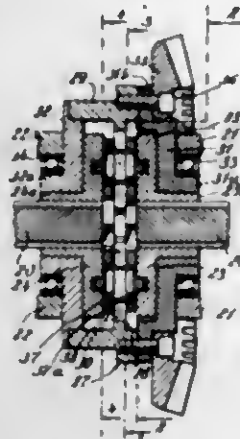
Donald E. Schott, Flushing, N. Y.

Application December 1, 1951, Serial No. 259,433

12 Claims. (Cl. 74-650)

1. In a differential, the combination of a pair of driven members mounted for coaxial rotation, each member having a plurality of intersecting circular grooves in its face opposed to the other member, the grooves all having the same radius and the centers of curvature of all the grooves being equally spaced from and equiangularly spaced about the common axis of rotation of the members, a driving member coaxial with and between the driven members and having a plurality of angularly spaced radial slots, the number of

slots being at least equal to the number of grooves in a driven member, a slide mounted in each slot and having portions exposed on opposite sides of the driving member, and a set of connectors between each driven member and the driving member and mounted for sliding movement in grooves in the adjacent driven member.



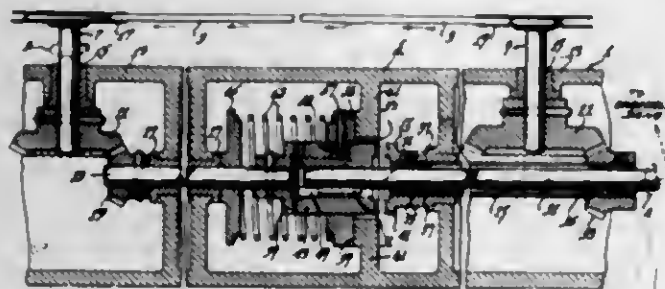
each set consisting of a connector for each slide connected to the slide for rocking movement relative thereto, each slide lying in line with aligned intersections of grooves in the two driven members being connected to a pair of connectors mounted for sliding movement in non-registering grooves in the respective members.

2,624,214

REVERSIBLE DRIVE MECHANISM

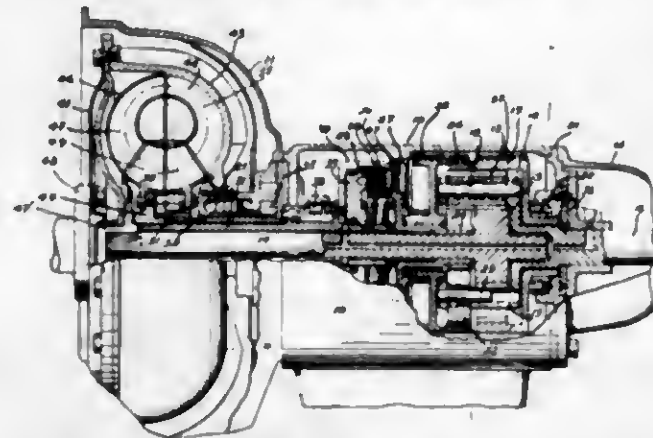
Stewart L. Arensberg, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 27, 1950, Serial No. 192,538
2 Claims. (Cl. 74-665)



1. A reversible drive mechanism comprising a support, two shafts journaled in said support and being mounted for independent rotation, two driven members journaled in said support, said driven members being coaxially mounted, one of said driven members comprising a shaft, the other of said driven members comprising a sleeve, means connecting each of said driven members respectively to individual ones of said first mentioned shafts for transmitting a driving force thereto, a drive shaft extending coaxially through said sleeve, said drive shaft being mounted for independent rotation with respect to said sleeve and adapted to be reversibly driven, means operative in response to a change in direction of rotation of said drive shaft for coupling said drive shaft to only one of said driven members upon rotation of said drive shaft in one direction and for coupling said drive shaft to only the other of said driven members upon rotation of said drive shaft in the opposite direction, and spring biased friction means operatively connected between said last mentioned means and said support for effecting said directionally responsive coupling.

2,624,215
VEHICLE TRANSMISSION
Edwin C. McRae, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Michigan
Application September 28, 1949, Serial No. 118,265
5 Claims. (Cl. 74-677)

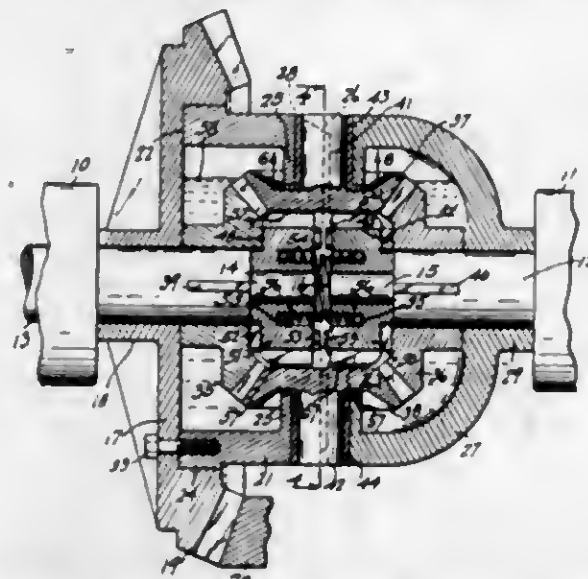


1. In a power transmission, a torque converter comprising a pump member and a turbine member and a split reactor member, the leading element of said reactor member having substantially zero entrance and exit angles and the rear element of said reactor member having a substantially zero entrance angle and a positive exit angle, overrunning brakes independently preventing reverse rotation of both of said reactor elements, double planetary reduction gearing having a sun gear for each of said planetary reductions and having a common planet carrier, the first of which sun gears when held from reverse rotation and when torque is applied to the other sun gear in a forward direction drives said carrier forwardly at a reduced speed, and the first of which sun gears when driven in synchronism with said other sun gear produces a direct drive of said carrier, means for operatively connecting the leading element of said reactor member to the first-mentioned of said sun gears, and means for fixedly connecting said turbine member to the other of said sun gears.

2,624,216

AUTOMATIC DIFFERENTIAL LOCK

Frank S. Nielsen, Oakland, Calif.
Application August 15, 1950, Serial No. 179,491
14 Claims. (Cl. 74-711)



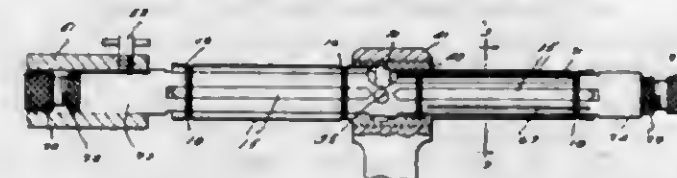
1. A rear wheel drive for an automotive vehicle comprising coaxial rear axles, a sealed housing having a supply of fluid therein and rotatable on said axles; a differential gear fixed on each axle within said housing and each having a cam face, and intermeshing differential pinions mounted on

radial axes, and interlocking means having cooperative clutch faces and interposed between said differential gears and having cooperative cam faces and having means cooperative with said fluid for retarding movement for bringing said clutch faces into operative engagement for interlocking of said axles for simultaneous and equal operation when one of said axles is driven at a speed greater than the normal differential speed between the axles, and including spring means cooperative between the interlocking means for releasing said interlocking means when the differential speed between the axles returns to normal.

2,624,217

REAMER AND HONER FOR WRIST PIN BUSHINGS

Cecil L. Clark, Three Rivers, Calif.
Application July 29, 1947, Serial No. 764,333
3 Claims. (Cl. 77-75.5)

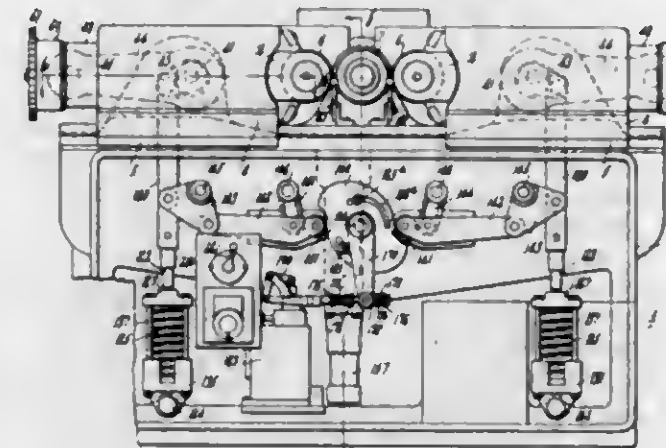


1. A reaming tool comprising a cylindrical body, there being at least one pair of radially disposed slots extending longitudinally from each end of said body and terminating at a point spaced from the central part of the latter, a support positioned in the space between said pairs of slots, a reamer mounted within said support transversely of said body for extensible and retractile movement, with respect to the latter, resilient means operatively connected to said reamer for effecting extensible movement of the latter, a vane positioned within each of the slots of one pair and forming a set of leading vanes, another vane positioned within each of the slots of the other pair and forming a set of following vanes, the vanes of each set being mounted for sliding movement radially of said body, and means carried by said body for effecting the radial movement of each set of vanes independently.

2,624,218

THREAD ROLLING MACHINE

Ralph E. Flanders, Springfield, and James W. Batchelder, Weathersfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application February 4, 1946, Serial No. 645,314
10 Claims. (Cl. 80-6)



7. A thread rolling machine comprising a pair of rotary cylindrical thread rolling dies cooperating to roll threads in a work piece placed there-

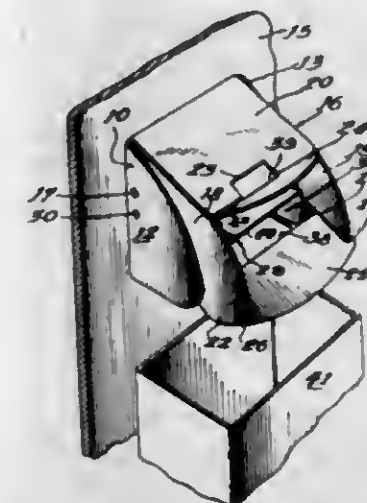
688 O. G.—8

between, means supporting one of said dies for motion toward and from the other of said dies, spring means, operative connections between said movable die and said spring means causing said spring means to press said movable die toward the other of said dies, and power means connected to said connections and actuable to move said movable die away from said other die and simultaneously to store energy in said spring means and operatively connected to said dies to rotate said dies.

2,624,219

BOTTLE OPENER WITH SKIRT DEFORMING MEANS

Ray Dreier, Chicago, Ill.
Application July 31, 1948, Serial No. 41,830
7 Claims. (Cl. 81-3.3)

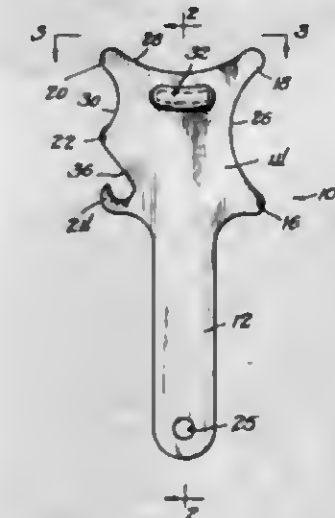


1. A bottle opener comprising: a frame; a bottle cap receiving member pivotally supported by said frame; a plurality of surfaces on said receiving member engageable with an edge of a bottle cap on opposite sides thereof while said cap is in sealing position on a bottle; and a deforming member pivotally supported by said frame, said receiving member and said deforming member being pivotable to pinch said cap between said deforming member and said surfaces to deform said cap and cause its removal from said bottle, said receiving member and said deforming member being pivotable about separate axes.

2,624,220

FRY TYPE VACUUM CAP REMOVER

Frank A. Cassiere and Jack N. Damore, Chicago, Ill.
Application December 16, 1946, Serial No. 716,552
2 Claims. (Cl. 81-3.46)



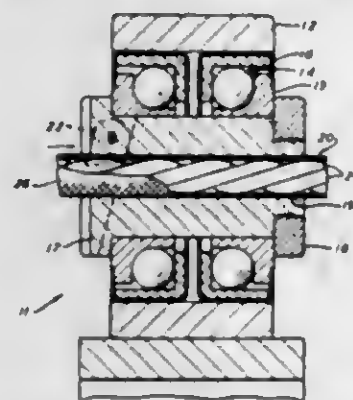
1. A cap remover for a container employing a cap having a friction grip about the mouth of the

container, said cap remover comprising a handle portion having a pair of projections at one end, said projections being spaced by a recessed portion which permits the projections to be placed beneath the cap at spaced points, and a fulcrum struck down from the handle portion and formed inwardly from the edge of said recessed portion.

2,624,221

SHEATH STRIPPER FOR CABLE HAVING TWISTED CONDUCTORS

William A. Schneider, Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1948, Serial No. 1,307
10 Claims. (Cl. 81-9.51)

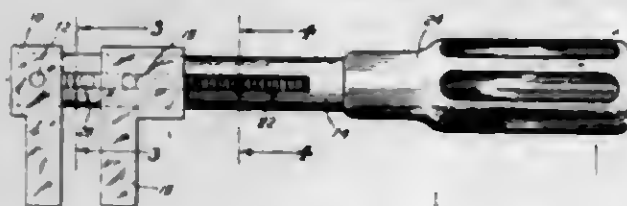


1. In a stripping device for slitting the covering on a core having a plurality of twisted elements, a rotatable member having a bore, means for supporting the rotatable member, and slitting means secured to and angularly positioned with respect to the axis of said rotatable member and extending into the bore thereof, said slitting means including a blunt portion positioned between adjoining elements of the core whereby the covering of the core is helically slit as the said blunt portion follows the twisted convolutions of the said elements as the core is moved lengthwise through the bore.

2,624,222

ADJUSTABLE JAW INTERNAL WRENCH WITH THREADED HANDLE

Alfred R. Joy, West Hartford, Conn., assignor to R. M. Starbuck & Sons, Inc., Hartford, Conn., a corporation of Connecticut
Application May 5, 1950, Serial No. 160,284
1 Claim. (Cl. 81-72)



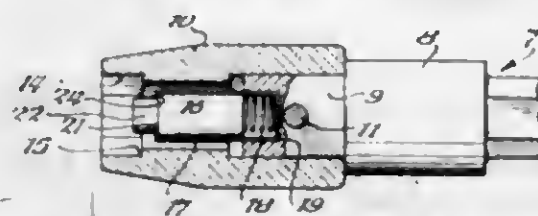
An internal wrench having a jaw member provided with gripping edges on its outer surface and rigidly attached to one end of a sleeve, said sleeve having a slot extending longitudinally throughout the intermediate portions thereof, a second jaw member slidable over said sleeve and having gripping edges cooperating with the gripping edges on said first mentioned jaw member, a threaded member slidable within said sleeve, the inner end of said threaded member being attached to said second jaw member by means extending through said slot, and a rotatable handle member having screw threads engaging said

threaded member and being forced against the end surface of said sleeve when said second jaw member is moved from said first jaw member into clamping engagement with an internal surface of a work piece.

2,624,223

MAGNETIC DRIVING IMPLEMENT

Frederick G. Clark, Buffalo, N. Y., assignor of one-half to Wade Stevenson, Buffalo, N. Y.
Application November 5, 1949, Serial No. 125,808
4 Claims. (Cl. 81-125)



1. A magnetic tool for driving fastenings, including a shank portion which may be rotated for driving the fastenings, a hollow socket member secured at one end to said shank for rotation thereby and having the other end thereof provided with a non-circular recess to receive and apply torque to a fastening, a magnet for cooperation with a fastening to hold the same by magnetic force in said socket member, and a supporting member of substantially non-magnetic material fixedly mounted on said shank and arranged within said socket member and terminating in spaced relation to said recess to support said magnet for limited movement lengthwise of said socket member, an end of said magnet extending beyond said supporting member into said recess into position to hold a fastening by magnetic force in operative position within said socket member, regardless of the position of the fastening with relation to said recess.

2,624,224

APPARATUS FOR DRIVING ROTATABLE WORKPIECES

Richard A. Ashton, Seneca Falls, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts
Application November 1, 1947, Serial No. 783,557
1 Claim. (Cl. 82-40)



Work-driving apparatus comprising a chuck member, means to rotate and support said chuck member, collet jaws in said chuck operative to engage and drive the work, means to open and close said jaws, a gauge plate for axially positioning the work, and means to secure said gauge plate to the outer face of the chuck member, said gauge plate having an axial opening therein surrounded by an outwardly projecting tubular boss to loosely receive and pass the work there-through for engagement with said collet jaws, the bore formed by said boss having a diameter equal to the diameter of said axial opening and said bore and said axial opening having a constant diameter throughout their lengths, and said boss having an outer end surface to engage and axially position a shoulder on the work.

2,624,225

MUSICAL INSTRUMENT BOW

Martin Nebel, Philadelphia, Pa.
Application December 2, 1950, Serial No. 198,783
6 Claims. (Cl. 84-282)

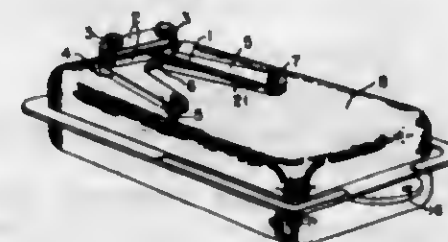


1. A bow of the character described comprising in combination with a flexible rod having a tip element at one end thereof and an adjustably mounted frog at the other end thereof, of an internally threaded sleeve rotatably mounted in fixed location in said frog, a screw element mounted for axial adjustment in said sleeve, a detachable bow string unit, means for connecting one end of said unit with said tip element, and means for separably connecting the other end of said unit with the screw element.

2,624,226

SOUND ANNUNCIATOR

William L. Hansen, Princeton, Ind., assignor to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Application January 30, 1950, Serial No. 141,280
7 Claims. (Cl. 84-402)



1. An annunciator comprising a hollow member completely closed except for openings of restricted size, a support exteriorly mounted on the face of one side of said member and a tuned element secured at one end to said support and having its opposite end free to vibrate.

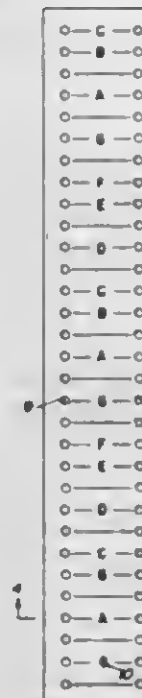
2,624,227

MUSICAL PEGBOARD

Paul G. Smith, Rock Island, Ill.
Application July 28, 1949, Serial No. 107,213
1 Claim. (Cl. 84-471)

An educational device for use in teaching music and in illustrating visually the pitch relationships between the various tones making up any selected scale and the relationships between various scale patterns, said device comprising an elongated rectangular panel, said panel having a row of equally spaced-apart lines positioned substantially centrally of the panel and extending approximately longitudinally thereof, said lines terminating short of the adjacent edge of the panel leaving a space between one end of the line and said adjacent panel edge, said lines representing a series of ascending half-steps extending substantially for two octaves, certain of said lines bearing the names of the notes on the staff and placed, respectively, opposite the lines representing the corresponding fixed tones of the staff, said device having a hole directly adjacent each of said half-step lines of both scales, each hole being perpendicular to the plane of the panel and positioned in the space between said edge

of the panel and the adjacent end of the associated half-step line, and a plurality of eight pegs insertable in said holes in a direction normal to the plane of the panel, and each peg having an enlarged head bearing indicia, such as the numbers 1 through 8, representing, respectively, the tones of a scale, said indicia being substantially as large as said names of the notes on the

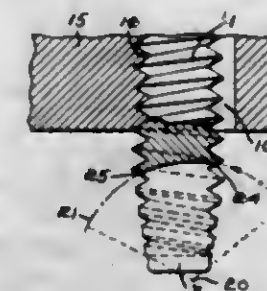


staff and facing in the same direction to facilitate visual perception of both at substantially the same time, said pegs being adapted to be inserted in selected holes to represent, visually, any selected scale pattern in any selected key, each peg, upon being required in the selected pattern, being shiftable to any adjacent hole to illustrate, visually, the relation between said particular scale pattern and a related scale pattern.

2,624,228

FASTENER WITH SLOTTED PILOT PORTION

Frank Kinney Brown, South Dartmouth, Mass., assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass., a corporation of Massachusetts
Original application July 22, 1949, Serial No. 106,232. Divided and this application April 25, 1950, Serial No. 157,906
1 Claim. (Cl. 85-47)



As a new article of manufacture, a threaded fastener having a head at one end, and a diametrically positioned longitudinal axial slot at the opposite end, the base of the slot being cut on an arc from a center eccentric to that of the longitudinal axis of the fastener, said arc extending from an acute angle relatively with the surface of the flank of one thread to a nearly perpendicular angle with the surface of the flank of an adjacent thread diametrically opposite thereto, whereby a smooth non-burring threaded surface is secured independently of re-rolling and burr-removing operations.

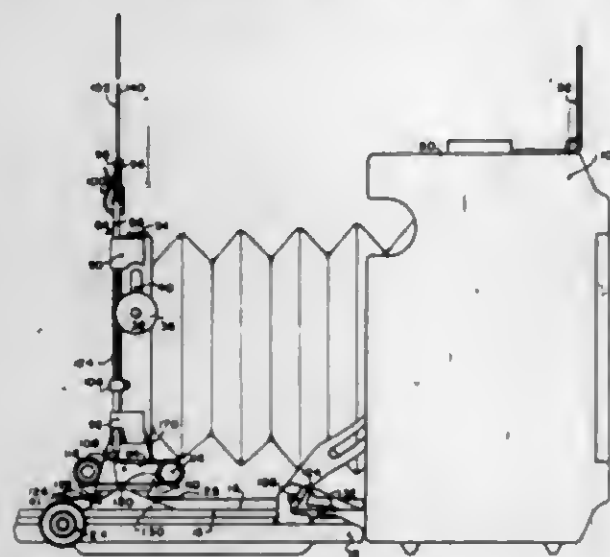
2,624,229

CAMERA VIEW FINDER

Lawrence E. Feal, Oakland, Calif.

Application October 11, 1949, Serial No. 120,778

2 Claims. (Cl. 88-1.5)



1. Parallax correction apparatus for cameras provided with folding front boards and lens systems adjustably positioned on such boards by means of a lens carriage and a track for such carriage and wherein a lens is carried by a lens board mounted on the carriage, such apparatus comprising, in combination: a wire type finder; a sliding frame member mounted on the lens board for sliding along planes perpendicular to the optical axis of the lens mounted therein and perpendicularly to the plane of movement of the carriage and provided with a bridge portion forming a finder base; spring fingers and a latching device mounted on the bridge portion, the finder having a lower edge provided with positioning means, said latch being operative to engage with portions of said positioning means to firmly position the finder on the bridge with the optical axis of the finder in a fixed optical orientation with respect to the lens optical axis, a cam mounted on the front board adjacent the path of movement of the lens board carriage, an interponent cam pivotally mounted on the lens board carriage to receive motion from the first cam by movement of the carriage, and means causing the slide member to engage the interponent cam to effect movement of the slide member and the finder.

2,624,230
Withdrawn

2,624,231

MAGAZINE FOR TRANSLUCENT STRIP RECORDS

Arthur William Kingston, Denham, England

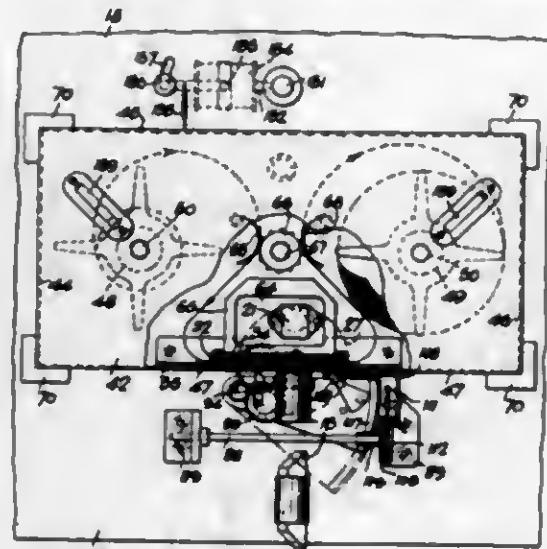
Application July 21, 1948, Serial No. 39,915

In Great Britain July 31, 1947

16 Claims. (Cl. 88-16)

1. A magazine for an optical record in the form of a perforated film strip bearing two optical records side by side and arranged to run in opposite directions on the film strip, said magazine including two apertured members for receiving a film between them, one of said members being an edge wall of the magazine and the other of said members being disposed within the magazine and forming part of a gate through which the film is constrained to pass, said apertured members each having two corresponding spaced apertures positioned to register with the two optical records

on the film respectively, two shutters within the magazine for closing said spaced apertures, one of said shutters being associated with said edge wall and the other of said shutters being associated with the other apertured member and each of said shutters being adapted to take positions in which two corresponding apertures are open



and positions in which all of said apertures are closed, and two opposed and generally flat side walls spaced apart by said edge wall, each side wall being apertured in the vicinity of the film gate whereby to permit the insertion, from the exterior, of a light-projection element through either side wall into a position behind the film gate.

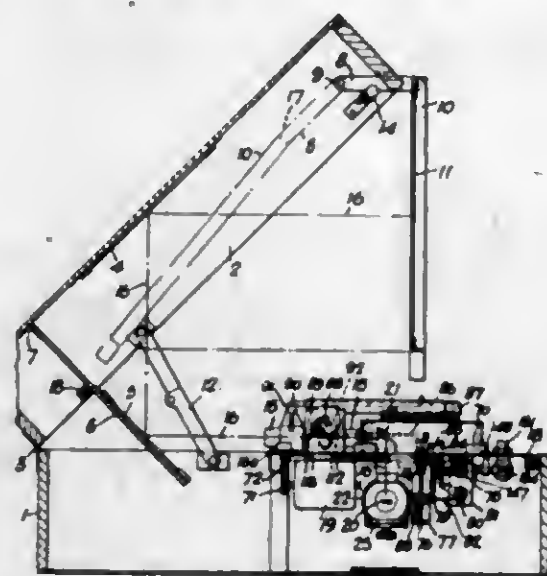
2,624,232

APPARATUS FOR THE REPRODUCTION OF OPTICAL RECORDS

Arthur William Kingston, Denham, England

Original application July 21, 1948, Serial No. 39,915. Divided and this application September 13, 1950, Serial No. 184,604. In Great Britain July 31, 1947

12 Claims. (Cl. 88-16)



1. Apparatus for use with a detachable film magazine, containing therein at least one spool, bearing film, and for the reproduction of optical records in the form of a perforated film strip, said apparatus including a light source, a facing for the reception of said detachable film magazine, a continuously rotatable driving coupling member for engagement with said spool within said film magazine, a light-reflecting element projecting from said facing in a position to lie at least partly within said film magazine located in an operating

position on said facing and to reflect light from said light source through said film in said magazine, film-shifting means including a support and a claw mounted for oscillatory movement on said support for engaging the perforations of said film to move the film intermittently through the apparatus, a movable member for retaining said magazine in a fixed position on the facing and means linking said movable member with the support of said film-shifting means, the arrangement being such that movement of said movable member into a position for retaining said magazine on said facing also moves the support of said film-shifting means to the position in which its claw can engage perforations of said film within the magazine.

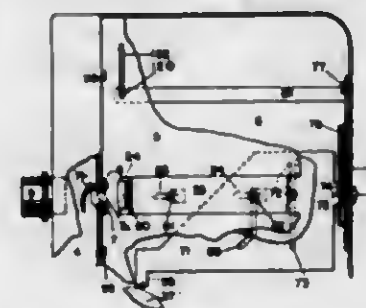
2,624,233

FILM HANDLING APPARATUS AND MAGAZINE FOR USE THEREWITH AND CONTROL THEREOF

Warren Dunham Foster, Eustis, Fla., assignor to Foster and Foster, Ridgewood, N. J., a copartnership

Original application May 18, 1944, Serial No. 536,128, now Patent No. 2,462,083, dated February 22, 1949. Divided and this application February 21, 1949, Serial No. 77,666

43 Claims. (Cl. 88-17)



1. In a film camera, in combination, a removable film magazine comprising a front wall provided with two parallel slits normal to the side wall of said magazine enabling exit and entry of the film moving between said slits, a receding wall portion between said slits, and at least one sleeve-shaped film guiding member adapted to slide through said slits into and out of said magazine in the longitudinal direction of the film moving between said slits and to form a light-tight enclosing tube between said slits, a slidable pressure plate arranged behind the film in said recess, an apertured plate arranged in front of said film and cooperating with said pressure plate, an intermittently moving film member engaging said film when it is not enclosed by said tube, and means operable by an operator of the camera and adapted to move said sleeve-shaped tubular film guiding member and said pressure plate and to start and stop said film in timed relation.

2,624,234

PROJECTION ILLUMINATION SYSTEM FOR THE HOMOGENEOUS DISTRIBUTION OF LIGHT

Edgar Gretener, Zurich, Switzerland

Application January 30, 1948, Serial No. 5,410

In Switzerland February 1, 1947

19 Claims. (Cl. 88-24)

1. In an optical system, a compact light source having a substantial area located substantially on the optical axis of the system, an area to be illuminated, a concave reflecting light condensing means having a surface formed by the revolution of a segment of a generating ellipse of appreci-

able eccentricity and so positioned that the major axis of the ellipse intersects the optical axis of the system at an acute angle at a point which is between the apex and the further focus of said ellipse and forming at least one focal circle at



least half filled by said compact light source whereby said area is illuminated by a homogeneous brilliant light composed largely of overlapping circles of confusion whereby no sharply focussed source image appears.

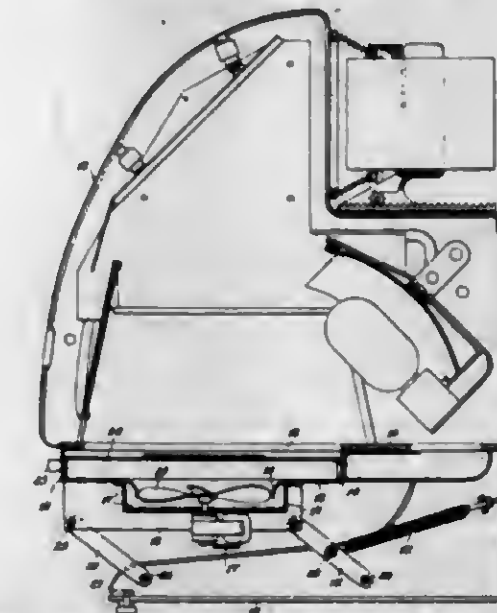
2,624,235

COPY LOCATING AND LOADING MEANS FOR PROJECTOR APPARATUS

Philip M. Field, New York, N. Y., assignor to Charles Beeler Company, Newark, N. J., a partnership

Application October 17, 1950, Serial No. 190,582

4 Claims. (Cl. 88-26)



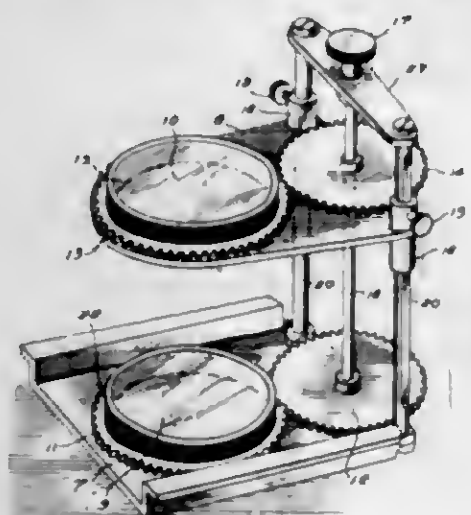
1. In apparatus for projecting upon a screen an image from opaque copy, said apparatus including a housing and a movable copy-receiving platen therein: means to support the platen alternatively in a projection horizontal plane and a depressed stationary loading position—the latter location for the reception on and removal therefrom of copy, said means comprising two depressible pairs of normally parallel arms pivoted at their one end to the platen and at the opposite end to the housing in a common and fixed pivotal plane parallel to said platen in its projection plane location: resilient means attached to one pair of the pairs of arms and to the housing to draw said platen to its most elevated and projection plane location; manually operable means accessible externally of the housing to effect the elevation and depression of the platen, the other pair of arms being depressible, relatively to the housing, to an angular position below the said common and fixed pivotal plane; and bumper means on the housing below said common and fixed pivotal plane adapted for engagement with the said other pair of arms to limit the extent of downward displacement thereof, and said one pair of arms attached to the resilient means being restrained under the action of said bumper means

when contacting the said other pair of arms from following in the opposite direction to a degree greater than that determined by the said downward contacting displacement.

2,624,236

POLARIZING ATTACHMENT FOR MICROSCOPES

Alan Fred Kirkpatrick, Stamford, and Charles Rule Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 5, 1949, Serial No. 74,744
3 Claims. (Cl. 88-40)



1. A polarizing attachment for a microscope comprising a frame, rotatable mounting means in said frame, a polarizing element supported in said frame, a polarizing element, a vertical shaft journaled on said frame, means on said shaft for causing rotation of said mounting means and said polarizing element, a pair of vertical supports secured to said frame and spaced laterally from said shaft, a second frame mounted on said supports and being vertically movable with respect to said first-mentioned frame, said shaft being journaled in said second frame a second rotatable mounting means in said second-mentioned frame, a second polarizing element supported in said second-mentioned rotatable mounting means, means on said shaft engaging with said second-mentioned mounting means and causing rotation of said second-mentioned mounting means and said second-mentioned polarizing element, whereby the rotation of said shaft rotates the said polarizing elements in unison, and means on said first-mentioned frame for detachably securing said frame to the stage of a microscope, said frame when in position on the stage of a microscope being so positioned that one of said polarizing elements is above said stage and the other of said polarizing elements is below said stage.

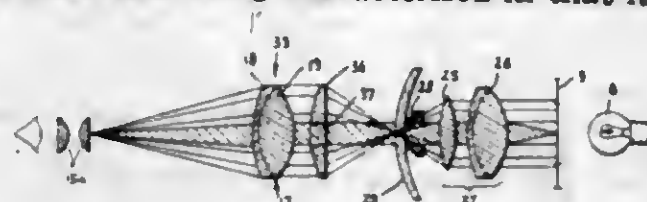
2,624,237

LENS TESTING INSTRUMENT

John K. Davis, East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 4, 1949, Serial No. 125,635
9 Claims. (Cl. 88-56)

1. In a lens testing device, the combination of a test lens holder, a target, image receiving means, a first lens means positioned to focus an

image of the target to the image-receiving means through the test lens when held in the holder, and a centrally apertured lens disposed between said holder and the image-receiving means for simultaneous focusing an image of a surface of the test lens to said image-receiving means, said apertured lens being characterized in that it ob-

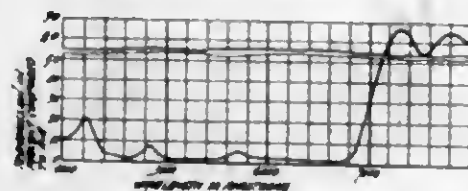


tains said focusing of an image of a surface of the test lens to the image-receiving means while simultaneously allowing light rays from the first lens means to pass through the central aperture thereof to permit focusing of an image of the target through the test lens to said image-receiving means in superimposed relation with said image of the surface of the test lens.

2,624,238

SELECTIVELY REFLECTING INTERFERENCE MIRRORS

Mary E. Widdop, Oaklyn, and Glenn L. Dimmick, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 29, 1949, Serial No. 124,268
4 Claims. (Cl. 88-105)



1. An optical device comprising a glass base having a certain index of refraction, said base having a surface carrying at least three superimposed groups of optically thin interference coating layers, each of said groups being selectively reflective of light of different wavelength bands having peaks spaced at least 300 Å. apart throughout the visible spectrum, each group being composed of at least two layers of different coating materials, each layer having a thickness of about 1/4 of that peak wavelength to which its group is selectively reflective, alternate ones of said layers being composed of material having an index of refraction which is relatively high compared to that of said base and of material having an index of refraction which is relatively low compared to that of said base, and all of said groups of layers cooperating to reflect substantially all wavelengths in the visible portion of the spectrum while transmitting a high proportion of infra-red.

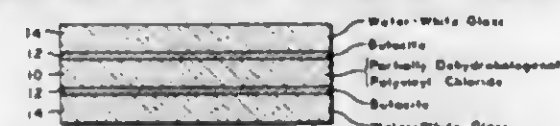
2,624,239

INFRARED BAND PASS FILTER

Elkan R. Blout and John E. Campbell, Cambridge, Richard S. Corley, Boston, and Patricia L. Snow, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 2, 1949, Serial No. 79,244
7 Claims. (Cl. 88-109)

1. A band pass filter for infrared radiation comprising a sheet comprising partially dehydrohalogenated material from the class consisting of polyvinyl chloride and polyvinylidene chlo-

ride which has been imbibed in a bath comprising a swelling agent, a conversion agent and a diluent and thereafter heated until the chlorine content of said material has been reduced by from one-fifth to one-third, said sheet being substantially completely opaque to all radiation

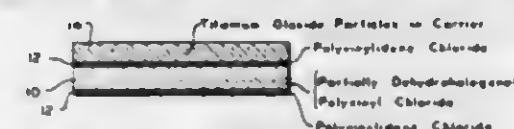


in the visible spectrum and in the near-infrared of wavelengths less than 0.9 micron, and showing relatively high transmission for the wavelength band between 1.7 and 5.5 microns with the exception of a narrow band of low transmission at about 3.3 microns.

2,624,240

INFRARED BAND PASS FILTER

Elkan R. Blout, Cambridge, Richard S. Corley, Boston, and Patricia L. Snow, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 10, 1949, Serial No. 80,608
6 Claims. (Cl. 88-109)

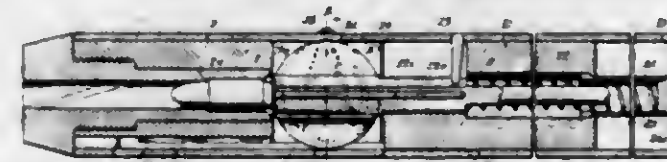


1. A narrow band pass filter showing relatively high transmission to infrared radiation in the wave band between 3.5 and 5.5 microns and comprising a sheet comprising partially dehydrohalogenated material from the class consisting of polyvinyl chloride and polyvinylidene chloride which has been imbibed in a bath comprising a swelling agent, a conversion agent and a diluent and thereafter heated until the chlorine content of said sheet has been reduced by from one-fifth to one-third, and a highly concentrated, thin coating on said sheet of a multiplicity of minute particles of a metallic oxide of mean linear particle size between .25 and .5 micron, said filter being substantially opaque to all radiation in the visible and in the near-infrared below about 1 micron and showing very low transmission, of the order of not more than 5%, for radiation between 1 and 3.5 microns.

2,624,241

GUN ACTION

John L. Hill, Denver, Colo.
Application November 4, 1949, Serial No. 125,549
5 Claims. (Cl. 89-33)

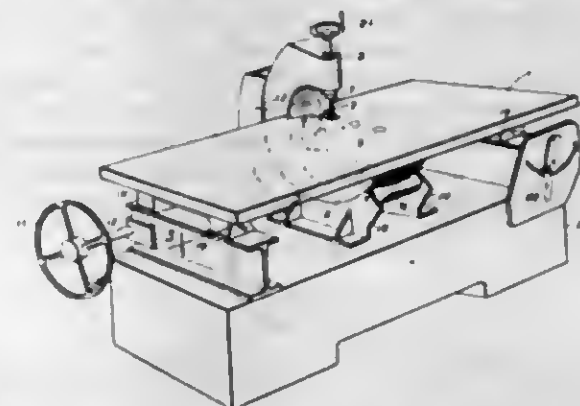


1. In a gun action for automatic, semiautomatic and manually operated guns, the combination with a bolt having an injector, extractor, ejector and disk actuator operable therewith, of a barrel, a cartridge magazine, a bolt actuated transfer disk between the barrel and cartridge magazine, said disk having a cartridge groove extending diametrically across one face thereof, said groove lying in the plane of the barrel bore and oscillated with the bolt by means of the disk actuator to receive the individual cartridges from the magazine and transfer them into position for insertion into the barrel.

2,624,242

PROFILING MACHINE

George A. Eberle and Edward S. Zuchowaki, Inglewood, and Floyd V. Maltbie, Whittier, Calif., assignors to North American Aviation, Inc.
Application June 28, 1949, Serial No. 101,836
3 Claims. (Cl. 90-13)

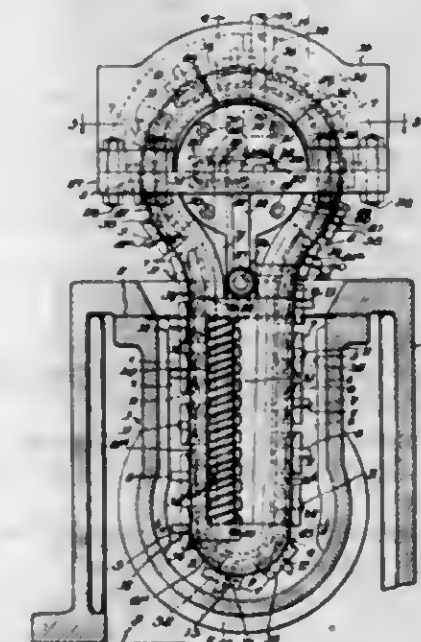


1. In a machine for cutting the edges of work at predetermined angles, a table for supporting the work; a sector operatively associated with said table, the opposite ends of said sector extending respectively under and over said table; arcuate bearing means extending from beneath said table to one side thereof for supporting said sector for arcuate movement; cutter means carried by the portion of said sector below said table, said table having an opening through which said cutter means projects; a follower carried by the portion of said sector which overlies said table, the operative faces of said cutter and follower being in substantial alignment in all positions of said cutter, the center of movement of said sector being the intersection of said cutter with the upper surface of work supported by said table; and a template carried by said work and engaged by said follower to guide and position said cutter with respect to said work.

2,624,243

COMBINED TOOL FOR MACHINING GUIDE RIBS

Albert F. Hedberg and Emil Langner, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation
Application October 6, 1949, Serial No. 119,822
5 Claims. (Cl. 90-33)

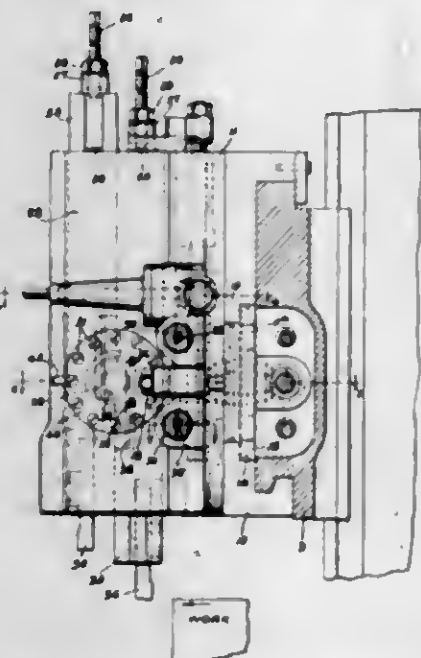


1. In a tool for machining guide ribs in a valve body or the like, the combination including a

plurality of cutting heads, holders for said cutters, rotatable driving means therefor, a rigidly mounted housing for the said driving means, said cutting heads being mounted in continuous chain-like arrangement relatively to each other, the cutting heads having end disposed cutting surfaces, said driving means including an extension therefrom, the said extension being engageable with a back portion of the said cutting heads at predetermined intervals during the cutting movement of said cutting heads, and said driving means also serving to guide the said cutting heads against transverse movement during the cutting operation, a portion of the said extension of the driving means being journaled in a depending portion in the said housing.

2,624,244 PLANER HEAD

Carl Morey, Hamilton, Ohio, assignor, by mesne assignments, to Clearing Machine Corporation, a corporation of Illinois
Application March 12, 1945, Serial No. 582,337
7 Claims. (Cl. 90-53)



7. In a planer, a tool slide having a vertical guide way, a tool holder slidably mounted in said guide way with its ends projecting beyond said slide, an oscillatable shaft having a geared relation with said tool holder for raising and lowering the same, co-acting means between the upper end of said tool holder and said slide for arresting said holder in operative position, a clamping piston mounted in said slide and engaging said tool holder, fluid pressure means for operating said shaft including a fluid pressure system having an auxiliary circuit communicating with said piston for clamping said tool holder in arrested position.

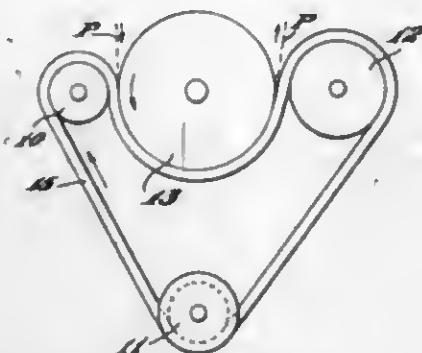
2,624,245

MODIFIED PAPER AND METHOD FOR ITS MANUFACTURE

Sanford L. Cluett, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application December 16, 1947, Serial No. 791,997
13 Claims. (Cl. 92-68)

1. The process of producing an uncreped paper web of water-laid, adherent, cellulose fibres, with smooth, substantially parallel faces and substantial permanent extensibility in excess of the primitive elastic limit of the web, and which suffers

no substantial decrease in thickness when elongated by stretching, which comprises moving said web in a direction lengthwise thereof, and while in the physical condition it possesses as it leaves the wet end of a paper making machine, slowly removing a part only of the moisture from said paper web, and uniformly pushing and crowd-

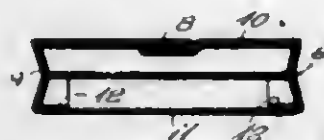


ing the fibres of the partially dried web together in the space between the faces of the web as laid, continuous through the web, and by forces acting in a direction parallel to the faces of the web, opposite to the direction of movement, and throughout the pushing and crowding confining the web against creping by pressures on the web normal to said web faces.

2,624,246

METHOD OF MAKING PAPER BAGS

William H. Bryce, Memphis, Tenn., assignor to Dixie Wax Paper Company, Dallas, Tex.
Application August 3, 1949, Serial No. 106,341
2 Claims. (Cl. 93-35)



1. The method of manufacturing paper bags from a single sheet which consists in wax coating the medial section of said sheet to render the same highly transparent, coating the remaining sections of said sheet with a rubbery-wax composition, to reinforce the same, folding over upon themselves each of said sections of the sheet coated with a rubbery-wax composition into laminated layers, forming said coated and folded sheet into bags whereby said laminated sections of the sheet will extend entirely about the side and end walls thereof and said highly transparent medial sections of said sheet will form a window for each bag so formed.

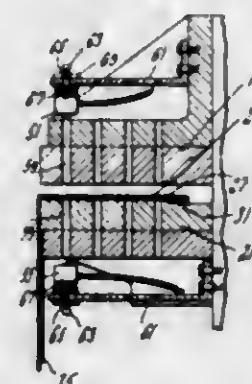
2,624,247

LIGHT SENSITIVE CONTROL FOR SETTING-UP MACHINES

Clarence Lloyd Claff and Carl A. Moeller, Randolph, Mass., assignors to Norfolk Paper Company, Inc., Randolph, Mass., a corporation of Massachusetts
Application June 18, 1947, Serial No. 755,312
5 Claims. (Cl. 93-36.3)

1. Control mechanism for the pressure members of a box setting-up machine having a pair of aligned light passages through the pressure members, a one-revolution clutch, and a tripping device therefor, said mechanism comprising a photo-electric cell opposite the outer end of one passage in one member, and a source of light opposite the outer end of the passage in the other

member to direct a beam of light through said passages onto the cell and across the path of

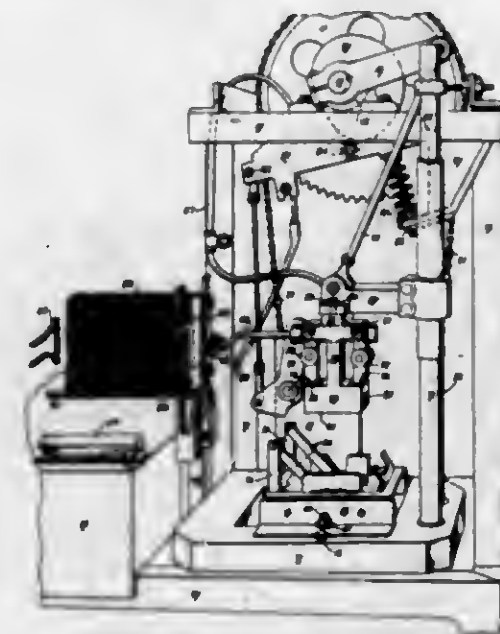


movement of the work as it is advanced to final position between the pressure members.

2,624,248

FOLDING BOX MACHINE

Thomas R. Baker, Sunnyvale, and Edward J. Pagendam, San Mateo, Calif., assignors to Bemiss-Jason Machine Co., San Francisco, Calif., a partnership
Application December 28, 1948, Serial No. 67,812
4 Claims. (Cl. 93-51)



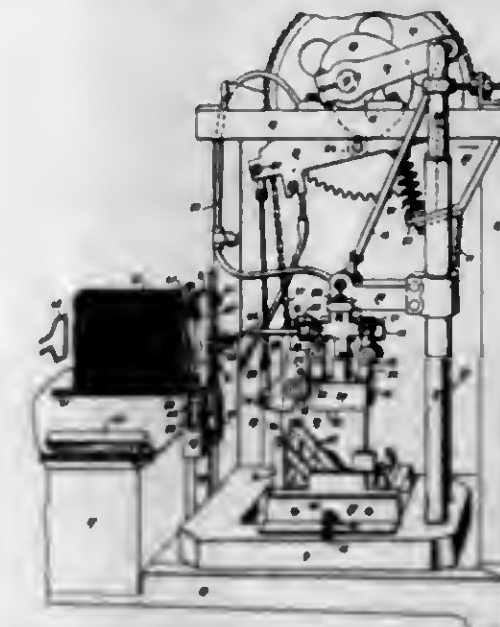
1. A machine for folding into hollow box form flat blanks of foldable sheet material, the machine comprising, a folding die, a plunger movable through said die, a magazine for blanks having a front gate through which the frontmost blank passes, means for supporting a stack of blanks in a predetermined positional relation to said gate, and a suction gripper for removing a blank from the magazine at the gate and depositing it on the die, the suction gripper being mounted for pivotal movement about an axis normal to both the magazine axis and the die axis, the machine being characterized by, and further including, a base having a top surface and an aperture through which said plunger is movable; first means on said base and on said folding die, respectively, for removably securing said die on said top surface in a predetermined fixed position; and upstanding side bracket on said base; a pivotal bearing member on said side bracket for said gripper, said pivotal bearing member being fixed on said bracket in a predetermined fixed position with relation to said first means; an upstanding front bracket on said base for said gate; and second means on said front bracket and on said gate for removably securing said gate on said front bracket in a

predetermined fixed position with relation to said first means and said bearing member whereby the machine may be changed from one box size to another by an exchange of gates and dies without requiring adjustment of gate and die with respect to the suction gripper.

2,624,249

BLANK FEEDING MECHANISM FOR FOLDING BOX MACHINES

Thomas R. Baker, Sunnyvale, and Edward J. Pagendam, San Mateo, Calif., assignors to Bemiss-Jason Machine Co., San Francisco, Calif., a partnership
Application December 28, 1948, Serial No. 67,813
4 Claims. (Cl. 93-51)

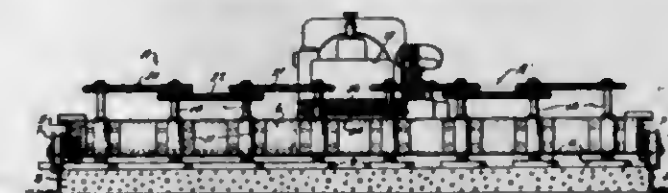


1. A feeding mechanism for removing single blanks of foldable sheet material from a withdrawal position and plane, for example from the end of a stack of blanks, and moving the withdrawn blank to, and deposit it in, a deposit position and plane, for example on a folding die through which a plunger is movable, said deposit position and plane lying at an angle with respect to the withdrawal plane, the feeding mechanism comprising, a support; a bell-crank lever pivotally mounted on said support; a bearing on said support, said bearing having a pivotal axis spaced from, and parallel with, the pivotal axis of the bell-crank lever; a double-armed gripper arm pivotally mounted to one arm of said bell-crank lever, one arm of the gripper arm having rotative and slidable engagement with said bearing; a suction gripper mounted on the other arm of said gripper arm; and means engaging the other arm of said bell-crank lever for oscillating the bell crank lever about its axis.

2,624,250

APPARATUS FOR FLOATING AND FINISHING SOFT CONCRETE

Charles Bird, Dayton, Ohio
Application February 14, 1950, Serial No. 144,122
6 Claims. (Cl. 94-45)



1. In an apparatus for floating and finishing soft concrete, a movable frame, a screed

mounted on said frame and extending transversely to the line of movement thereof, said screed comprising a plurality of oblong floating elements, means for mounting each of said elements on a part fixed with relation to said frame for rotation about a vertical axis extending through an end portion of said element, the several axes being spaced one from the other lengthwise of said screed distances approximating the length of each element, and means for rotating said elements in unison and in the same direction.

2,624,251

APPARATUS FOR EARTH COMPACTION

Omer James Porter, Sacramento, Calif.

Application October 3, 1947, Serial No. 777,763

7 Claims. (Cl. 94-50)



7. Apparatus for compacting soil comprising a pair of roller units arranged in closely spaced parallel relation with their respective load axes arranged in substantially longitudinal alignment, each said unit comprising a body providing a ballast compartment constituted by spaced side and end walls, a plurality of wheels arranged along the entire length of each axle, each wheel mounting a pneumatic tire having a continuous rolling engagement with the surface being compacted and having a maximum allowable pressure of at least one hundred pounds per square inch and high load capacity, all of said tires being closely spaced thus effecting a confinement of the soil deep in the sub-surface throughout the entire area underlying the outermost tires of said apparatus and the establishment of an interlaced web of high unit area stresses productive of a high degree of compaction throughout said deep sub-surface area, and means maintaining said units in fixed spaced relation comprising tie bars extending between the end walls of said units and pivotally connected thereto at each end of each bar intermediate the side walls thereby providing for free oscillation of each unit independently of the other in vertical planes when compacting uneven ground.

2,624,252

COMBINED CAMERA AND MICROSCOPE STAND

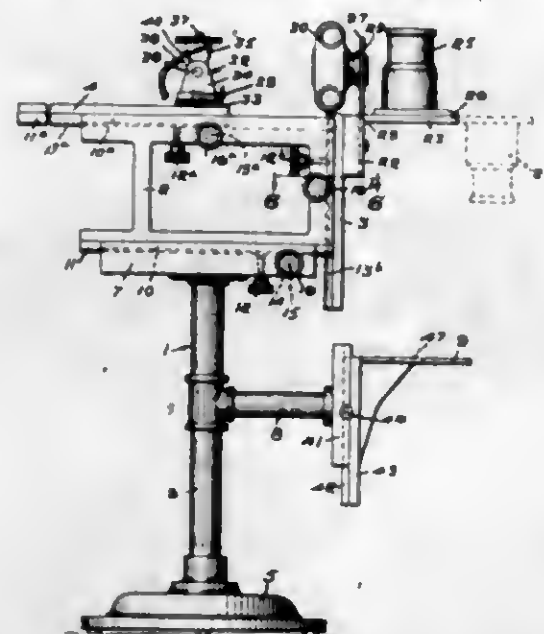
Jay N. Judd, Cambridge, Mass.

Application August 12, 1948, Serial No. 43,791

1 Claim. (Cl. 95-86)

A camera stand comprising a vertically extending pedestal member surmounted by a horizontal platform having on its upper surface horizontal dovetail ways, a head element slidably mounted in said ways for bodily adjustment horizontally between a position directly over the platform and a projected overhanging position in which one end of the head element projects beyond and overhangs one end of the platform by an amount equal to at least one-half of the length of the head, said head element having in its upper surface horizontal dovetail ways parallel to those of the platform and also having rack teeth on its under surface extending parallel to said ways,

an elongated camera-supporting slide adjustable horizontally in the ways of the head between a position directly above said head and a position in which one end of the slide projects beyond and overhangs one end of the head by a distance equal to at least one-half the length of the slide, a camera mounting on said end of the slide, said mounting having provision for holding a camera either in a horizontally directed position or in a position directed downwardly and at a point beyond said end of the slide while the latter remains stationary in any of its adjusted positions in a horizontal direction, whereby when both the head and the slide are in overhang-



ing positions they form a cantilever supporting structure for the camera by which it can be supported in a downwardly directed position at a distance from the pedestal greater than the amount of the overhang of the head added to that slide, a shaft supported in the platform and extending at right angles to the rack teeth, a gear on said shaft, said shaft being movable in the direction of its length between an operative position in which the gear is in mesh with the rack teeth and an inoperative position in which said gear is out of mesh with said rack teeth, and a spring acting on said shaft and yieldingly holding it in one of its two positions.

2,624,253

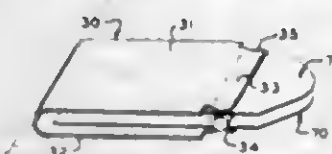
PROCESSING APPARATUS FOR RADIATION DETECTION DEVICES

Murry N. Fairbank, Belmont, Mass., assignor to

Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application November 14, 1951, Serial No. 256,263

9 Claims. (Cl. 95-89)



1. In apparatus for at least processing photosensitive dosimeters, each of the type having at least a photosensitive element and a rupturable container holding a liquid processing composition located relative to each other so that liquid discharged from said container may be spread over said photosensitive element, and wherein said photosensitive element and said container are carried in an elongated envelope provided with leader means at one end thereof to assist in handling and processing said dosimeter, in combina-

tion, a box type of structure having an opening through one end thereof, spring-loaded pressure-applying means, insertable in said box and adapted to have the leader means of a pair of dosimeters simultaneously engaged therebetween and extending therefrom and between which each dosimeter is individually movable upon pulling on the leader means thereof, for applying sufficient pressure to the opposite sides of each dosimeter to effect the rupture of the container and the spreading of its liquid content within said envelope as said dosimeter is pulled through said spring-loaded pressure-applying means, and means removably mounting said spring-loaded pressure-applying means in said box in operative alignment with said opening in the end of said box, whereby the leader means of each dosimeter envelope which is engaged by said spring-loaded pressure-applying means extends within said opening in said box for individual manual engagement.

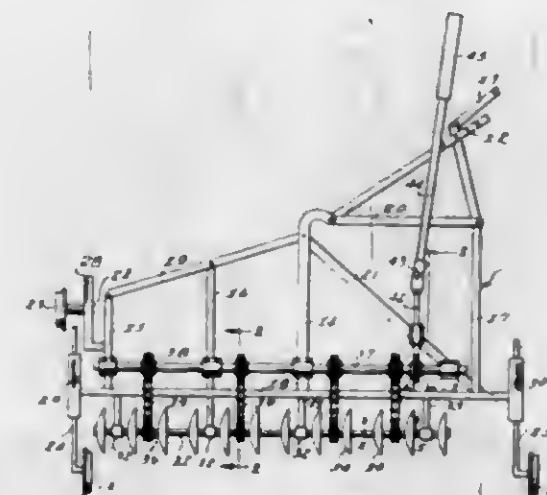
2,624,254

POWER DISK PLOW

Fermen E. Hoover, Brewster, Kans.

Application July 15, 1949, Serial No. 104,860

1 Claim. (Cl. 97-40)



A plow for attachment to a tractor comprising a mobile horizontally disposed frame, including a pair of spaced longitudinally extending bars and a transversely disposed bar extending between and connected to said pair of bars adjacent one end thereof, each of the ends of said first transverse bar projecting beyond the adjacent longitudinal bar, a caster connected to each of the projecting ends of said transverse bar, a third caster positioned to one side of and spaced from one of said longitudinal bars and the adjacent one of said casters and connected to said longitudinal bar, a first transversely disposed shaft positioned forwardly of and spaced from said transverse bar and rotatably supported on said longitudinal bars, a second transversely disposed shaft arranged rearwardly of and spaced from said transverse bar and said first shaft and rotatably and dependently supported from said transverse bar, a plurality of plow discs arranged in spaced relation along said second shaft and secured on said second shaft for rotation therewith, a plurality of sprocket wheels arranged in spaced relation along said first shaft intermediate the ends thereof and connected to the last named shaft for rotation therewith, a plurality of sprocket wheels on said second shaft, each of the sprocket wheels on said second shaft being interposed between adjacent plow discs and in alignment with the adjacent sprocket wheel on said first shaft, chains drivingly connecting the aligned sprocket wheels, a worm gear on said first shaft

adjacent one end thereof, a driven shaft arranged transversely of said first shaft adjacent said worm gear, a worm on said driven shaft and in meshing engagement with said worm gear, and means connecting said driven shaft to a power source.

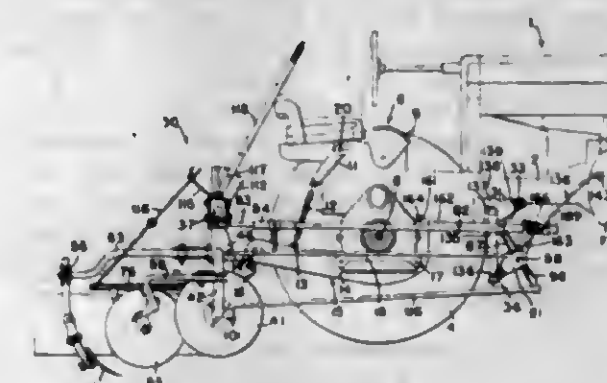
2,624,255

TRACTOR MOUNTED CULTIVATOR

Theodore W. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application September 11, 1946, Serial No. 696,309

13 Claims. (Cl. 97-47)



1. A listed corn cultivator adapted to be connected to a tractor having rear traction wheels and a generally vertically swingable rear drawbar, said cultivator comprising a transverse draft bar, means for detachably connecting the central portion of said draft bar with the tractor forward of said rear wheels, a plurality of cultivator units swingably connected with said draft bar and disposed rearwardly of the latter, a transverse stabilizing bar having a shiftable connection with said cultivator units, and means adapted to be detachably connected with the tractor drawbar and connected with the central portion of said stabilizing bar and including a part engageable with said stabilizing bar at laterally spaced apart points when the tractor drawbar is raised for raising said stabilizing bar and said units.

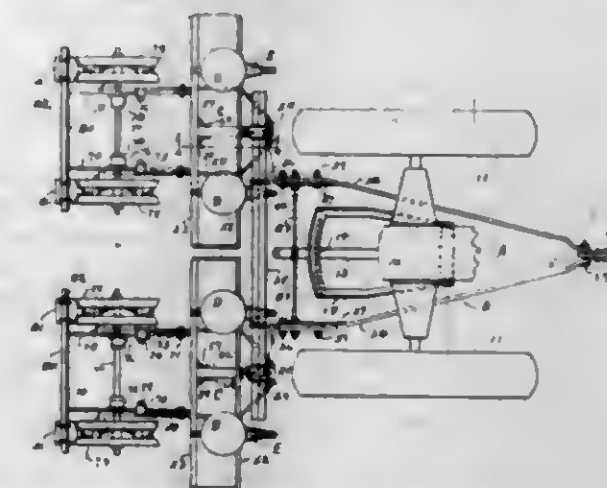
2,624,256

FLEXIBLE TRACTOR IMPLEMENT HITCH

Everett W. Todd, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a company of Maryland

Application March 28, 1947, Serial No. 737,811

1 Claim. (Cl. 97-47)



In combination with a tractor having a rearwardly-disposed vertically-liftable transverse tool bar, an implement including a frame mounted on transversely spaced wheels, means for flexibly connecting said frame to said tool bar comprising

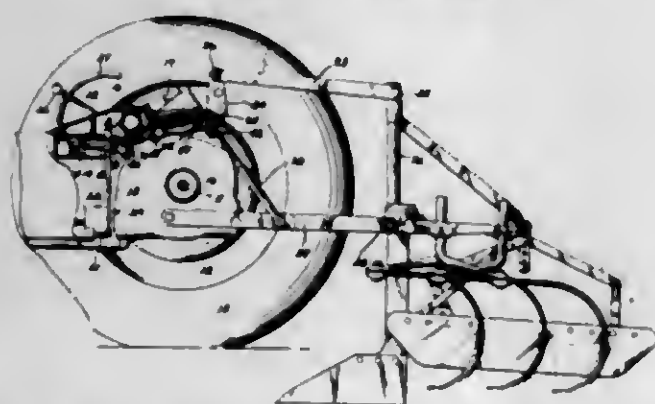
a tube disposed with its long axis extending generally parallel the path of travel of the tractor, said tube being rigidly secured to said tool bar below the same, said frame having a part at its front portion receiving and loosely journaling the forward end of said tube, vertically-disposed guide means mounted on said frame freely engaging the sides of the rear end of said tube, a stop associated with said guide means below the tube to limit downward vertical movement of said tube, transversely-spaced abutments fixed to said guide elements and disposed on the same level over the rear end of said tube, the long axis of said tube being disposed centrally of said frame and wheels, and a transverse horizontal member rigidly secured to the rear end of said tube, the vertical spacing of said stop and abutments being greater than the diameter of said tube, whereby in the lowered position of the tool bar said member is spaced from said abutments and the frame is free to rock transversely as the wheels follow the contour of the ground and in lifted position of the tool bar said member engages said abutments to hold said frame from rocking transversely.

2,624,257

FARM TRACTOR

Harold L. Brock, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application July 28, 1948, Serial No. 41,153
1 Claim. (Cl. 97-50)



In a farm tractor adapted to pull a ground engaging implement, a pair of drawbars connecting the implement to the tractor, a hydraulic lift for raising the attached implement relative to the tractor, a compression link extending between the implement and the tractor above the pair of drawbars, a yoke having its lower end pivotally connected to the tractor, said yoke normally extending substantially vertically upwardly from its pivotal connection to the tractor, a control rod for controlling the operation of said hydraulic lift, the rearward end of said control rod being pivotally connected to said yoke at a point spaced a predetermined distance above the pivotal connection of said yoke to said tractor, a compression coil spring surrounding said control rod and positioned between a fixed part of said tractor and a stop member provided on said control rod near the rearward end thereof, said yoke having an opening provided therein substantially in horizontal alignment with the pivotal connection between said control rod and said yoke so that attachment of the forward end of said compression link to said yoke at said opening enables the compressive force in the link to be applied in a 1-1 or direct ratio to the compression spring and the control rod, said yoke having a second opening therein spaced above said first-mentioned opening a distance substantially equal to the distance

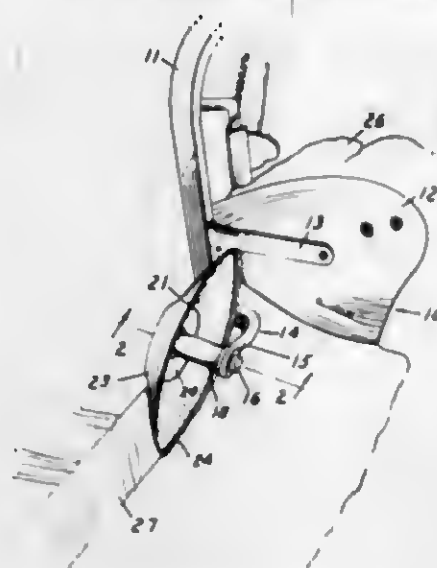
tance between the pivotal connections of said yoke to the tractor and to the control rod so that attachment of the compression link to the yoke at said second opening enables the force in the link to be applied in a 2-1 ratio, and said yoke also having a third opening therein spaced above said second opening a distance substantially equal to the distance between said first and second openings so that attachment of the compression link to the yoke at said third opening enables the force in said link to be applied in a 3-1 ratio.

2,624,258

DETACHABLE RESILIENT COVER FOR ROLLING LANDSIDES

Ralph C. Frevik, Detroit, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware

Application December 24, 1949, Serial No. 134,945
3 Claims. (Cl. 97-132)

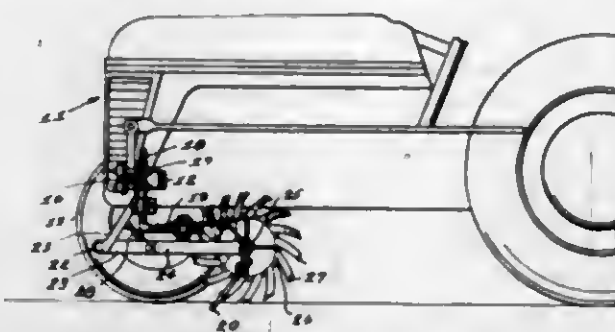


3. In a plow having a beam, a rolling landside mounted on said beam for rotation and having an outer generally frusto-conical peripheral surface for abutting a furrow wall, a resiliently deformable exterior cover formed of elastomeric material and adapted for snug peripheral engagement with said surface of said landside, and means for detachably securing said cover to said landside to provide a furrow wall-engaging surface to which sticky soils are non-adherent.

2,624,259

CULTIVATOR SHIELD OR FENDER

Benjamin F. Greiman, Garner, Iowa
Application November 30, 1948, Serial No. 62,623
5 Claims. (Cl. 97-188)



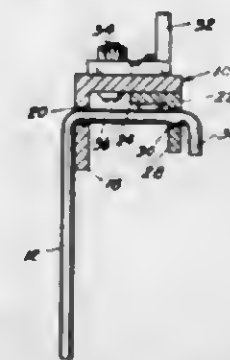
1. In an attachment for a row cultivator having a transverse frame member, a horizontal transverse bar adapted to be mounted on said member for rotation on the axis of said bar, a pair of laterally spaced cultivator elements fixed on said bar, said cultivator elements extending rearwardly

from said bar and terminating at their rear ends in downwardly directed blades, a bracket bar fixed to one of said cultivator elements and extending forwardly and downwardly from said transverse bar, a yoke having rearwardly extending laterally spaced arms, said yoke being pivoted at its forward end on the depressed forward end of said bracket bar, and a transverse axis fender wheel mounted between said yoke arms.

2,624,260

CULTIVATOR SHIELD

Clemenes A. Warnke, Grand Rapids, Mich.
Application September 20, 1949, Serial No. 116,689
1 Claim. (Cl. 97-188)



A cultivator shield having a supporting member adapted to be attached to a cultivator frame, and a plurality of fender rods depending therefrom, said supporting member comprising a first angle iron having a first horizontal flange and a first vertical flange, and a second smaller angle iron having a second horizontal flange secured to said first horizontal flange, and a second vertical flange depending therefrom, said second horizontal flange being removably bolted to the underside of said first horizontal flange, and forming with said first angle iron a substantially channel shaped member, a plurality of pairs of aligned apertures in said first and second vertical flanges, said plurality of rods each having a horizontal portion extending through a pair of apertures, respectively, and having a vertical shield forming portion contacting a substantial distance with said first flange which forms a steadying surface for said rods, and a second vertical portion substantially parallel to said second vertical flange, each of said rods being movable independently of the other rods.

2,624,261

CULTIVATOR SHIELD

Benjamin F. Greiman, Garner, Iowa
Application January 13, 1950, Serial No. 136,437
2 Claims. (Cl. 97-188)



1. In a cultivator, a horizontal axis fender wheel comprising a pair of similar and oppositely dished disks having convex axially inward sides and concave axially outward sides, the convex inward sides of the disks having limited central annular portions in contact, the disks being formed radially outwardly of the contacting an-

2,624,262

DEVICE FOR DELIVERING AIR INTO ENCLOSURES

Leonard R. Phillips, Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application June 10, 1947, Serial No. 753,760
3 Claims. (Cl. 98-40)



2. A device for delivering air into an enclosure, said device comprising means defining at least two substantially coaxial air delivery passageways which extend around the longitudinal axis of the device and are inclined forwardly and outwardly relative to the longitudinal axis of the device and have their outlet ends materially spaced apart laterally so that a space of material width exists between air streams flowing from the respective passageways, a plurality of air intercepting elements extending across the outlet ends of said air passageways to divide air flowing from each of said passageways into an endless row of separate streams which extend around the axis of the device and are materially spaced apart so that enclosure air may flow between the separate streams of each row to and from the space at each side of the streams of each row to and from the space at each side of the streams of each row to control the air pressure at each side of the streams of each row and thus control the directions of flow of the air streams from the device, and means connecting together certain of said air intercepting elements for collective adjustment into and from overlying relationship to other of said elements to vary the number and the spaced apart relationship of the air streams of one of said rows.

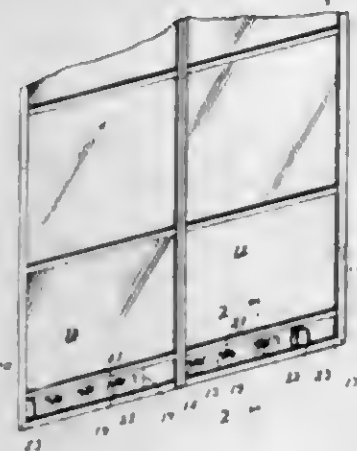
2,624,263

SASH VENTILATOR

Robert L. Klein, Rochelle Park, N. J.
Application September 14, 1950, Serial No. 184,805
6 Claims. (Cl. 98-96)

1. In a ventilator for association with a window sash, a pre-fabricated stationary member of a uniform cross section cut to desired length and adapted to replace the lower end portion of a window pane, said member comprising a triple channel formation wherein one channel, opening upwardly, forms the top edge of the member and serving for the reception of the bottom edge of the window pane, two oppositely disposed and spaced channels separated by a vertical web, the latter being provided with spaced apertures, the upper of the spaced channels being adjacent to the top edge channel and opening downwardly, the lower channel forming the bottom edge of the member and opening upwardly, a drip shield extending along the entire length of the member above the apertures and

depending at an incline from that upwardly opening one channel; a movable ventilator member inserted in, operative within and guided by said spaced channels and having spaced louvered openings, the spacing of these openings sub-

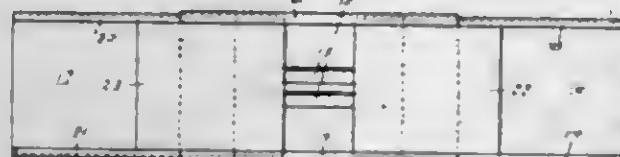


stantially corresponding to that of the apertures in said web, said apertures having upwardly opening and inwardly projecting louver structures which are closed at their bottom and their sides.

2,624,264

ADJUSTABLE WINDOW VENTILATOR

Clarence F. Mergner, Newark, N. J.
Application March 28, 1951, Serial No. 218,018
2 Claims. (Cl. 98—99.8)

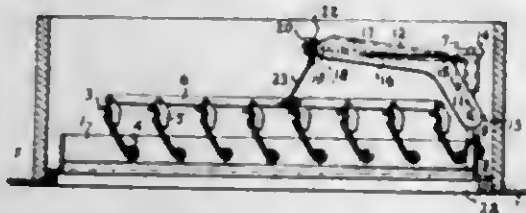


1. A sectional window ventilator comprising a central elongated section containing longitudinal louver openings and having its top and bottom edges rearwardly flanged into opposing channels, two similar end sections having their top and bottom edges rearwardly flanged into opposing channels of a size to fit and telescope into the channels of the central section and operative when in extended position to maintain the ventilator in the window opening and proportioned in length so that they do not overlap the louvers when in said extended position, and a flat shutter piece slidably fitting in the channel of each end section and longitudinally adjustable on the rear face of the ventilator to control the extent of louver opening, the length of each shutter piece extending half the length of the center section.

2,624,265

SPRING COUNTERBALANCED LOUVER MECHANISM

Emil A. Mader, Detroit, Mich., assignor of one-half to John Spargo, Detroit, Mich.
Application November 17, 1949, Serial No. 127,974
8 Claims. (Cl. 98—119)



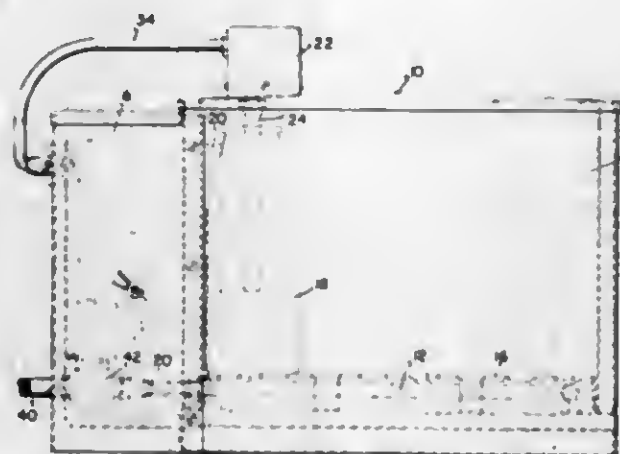
1. A louver mechanism comprising a frame having an opening affording air flow in a pre-

determined direction, a set of louvers controlling such opening, means individually pivoting said louvers to swing about parallel axes from their closure position in the approximate direction of air flow, means interconnecting the louvers for pivotal actuation in unison, an arm spaced from the louvers in the direction of air flow and extending approximately transversely to such direction, whereby said arm has an inner end relatively adjacent to the axis of said opening and an outer end relatively remote from such axis, a support for said arm, means pivoting the arm substantially at its outer end on the support and affording swinging of the arm to and from the louvers, a swinging actuating connection from the inner end portion of the arm to said interconnecting means, a coiled spring connected at one of its ends to the inner end portion of the arm for pivotally urging the arm in the direction of air flow, and an anchorage element for the other end of the spring carried by said support and adjustable on the support to and from the pivotal end of the arm to regulate the leverage spring-applied to the arm.

2,624,266

PASTEURIZING APPARATUS

George C. Colburn, South Natick, and Chester W. Turner, Melrose, Mass., assignors to H. E. Wright Company, Charlestown, Mass., a corporation of Massachusetts
Application November 7, 1946, Serial No. 708,296
1 Claim. (Cl. 99—252)

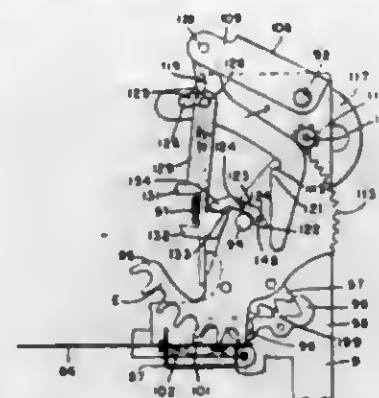


Pasteurizing apparatus comprising a bottle receiving tank, a dummy bottle positioned in said tank, a water bath contained in said tank and surrounding said dummy bottle, a cover for said tank, a first thermostat mounted on said cover so as to be immersed in the liquid in said dummy bottle when said cover is positioned on said tank, a thermostatically controlled heating unit in the bottom of the tank immersed in said water bath, a bottle supporting rack removably positioned on the bottom of said tank above said heating unit for supporting the dummy bottle and individual bottles of liquid to be pasteurized, a valve-controlled water inlet for said tank, an overflow pipe extending upwardly from the bottom of the tank to a point adjacent the top of the tank to limit the water level in said tank, a timing device in circuit with said first thermostat, said first thermostat closing the circuit to said timing device when the liquid in said dummy bottle is at pasteurizing temperature, and connections between the timer, the heater and the valve-controlled water inlet for turning off the heater and for admitting cooling water to the tank upon the completion of a predetermined period of timer operation.

2,624,267

ELECTRIC BREAD TOASTER

Henry L. Olson, Grand Haven, Mich., assignor to Camfield Manufacturing Company, Grand Haven, Mich., a corporation of Michigan
Application May 13, 1949, Serial No. 93,059
10 Claims. (Cl. 99—327)



1. In a bread toaster a frame, a bread rack carried thereby and movable from a toasting to a non-toasting position and vice versa, resilient means for moving said bread rack to a non-toasting position, a rack lever pivoted to said frame and movable in the same direction as said bread rack, connecting means between said bread rack and rack lever causing said lever and bread rack to move together and moving said bread rack into toasting position upon manual movement of said lever in opposition to said resilient means, a timing device including time controlled means and a revoluble member controlled thereby and adapted to make a portion of a revolution during the cooking period, the axis of said member being disposed adjacent and to one side of the plane of movement of said rack lever, a transversely disposed catch arm pivoted to said frame and extending toward the plane of movement of said rack lever, a latch pivoted to said catch lever at a locality substantially in the plane of said rack lever, a catch on said latch, catch engaging means on said revoluble member eccentric with the axis thereof and disposed on the side of said axis opposite the plane of movement of the rack lever and during the cooking period moving in the same direction as the bread rack when moving to non-toasting position, a catch on said latch adapted to engage said catch engaging means, said catch rocking on said catch engaging means during movement of said revoluble member to effect disengagement thereof at the end of the cooking period, said resilient means upon release of said catch, moving said rack lever to normal position and said bread rack to non-toasting position, and means operated by said rack lever and engageable with a part movable with said revoluble member for rotating said revoluble member in the opposite direction to reset the timing device.

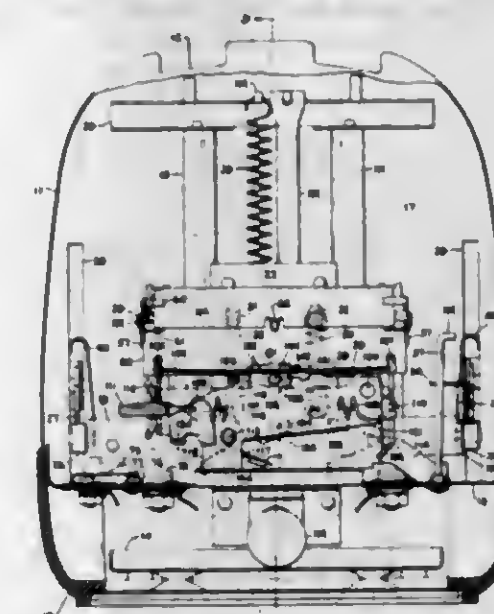
2,624,268

ELECTRIC TOASTER

Anthony G. Horvath, Dayton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 10, 1947, Serial No. 721,225
20 Claims. (Cl. 99—329)

1. A toaster comprising, bread carriers movable from a bread receiving position to a toasting position, main heating means, a latch constructed to latch said carriers in toasting position, a thermal timer operable to release said latch at the end of each toasting interval, said thermal timer including a thermally responsive element and

an auxiliary heater therefor and a reflector positioned to direct heat from said auxiliary heater to said thermally responsive element, said heater, reflector and carriage being so related that said auxiliary heater and reflector is moved away from said thermally responsive element upon re-

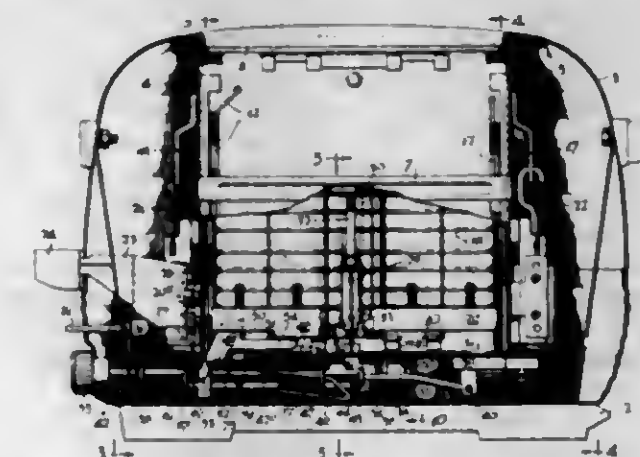


lease of said latch, manually actuatable means for moving said reflector relative to said heater and a thermally responsive element for moving said reflector relative to said heater and said first thermally responsive element to vary the time of the toasting intervals.

2,624,269

TOASTER

Henry F. Hild, Merion Park, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 10, 1947, Serial No. 779,137
13 Claims. (Cl. 99—329)



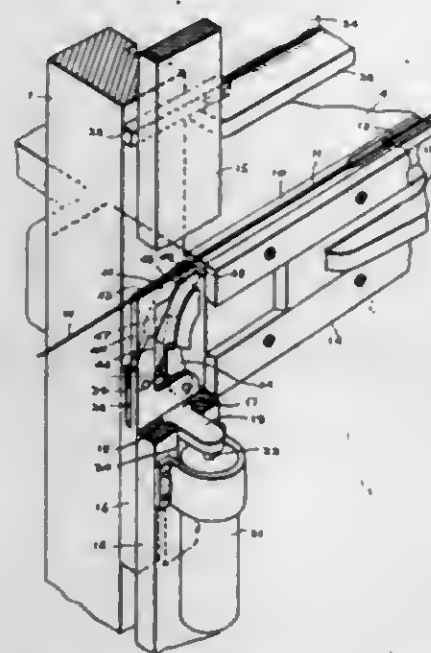
1. In a bread toaster, a bread carriage movable between toasting and non-toasting positions, spring means urging said carriage toward the non-toasting position, latch means including a movable member effective when held in latching position to retain said carriage in the toasting position, a slide bar engageable with said movable member to hold the latter in latching position, spring means urging said slide bar in a direction tending to maintain engagement of said slide bar with said movable member, an actuating element frictionally engageable with said bar and operable to effect step-by-step movement of the bar to release said latch means, and thermostatic means for operating said element, said slide bar being held in each advanced position by frictional engagement of said member therewith due to the action of said first-mentioned spring means.

2,624,270

MACHINE FOR WIRE BINDING BOXES OR THE LIKE

Thomas R. Sykes, Toronto, Ontario, Canada, assignor to The Toronto Star Limited, Toronto, Ontario, Canada

Application June 22, 1948, Serial No. 34,528
12 Claims. (Cl. 100-8)



11. In a wire binding machine, the combination with the ram and bed plate of a reciprocating press and means for feeding a measured length of wire under a bundle or the like placed on said bed plate, of means adjustable in accordance with the size of the bundle for folding the wire around the bundle and fluid pressure operated means operatively connected with said adjustable folder means and operable prior to the operation of said ram and folding of said wire to adjust said folding means to engage and align the bundle on the bed plate, said adjustable folder means comprising a pair of vertical relatively movable guide assemblies arranged adjacent the sides of the bed plate, a pair of folder arms vertically slidable in said guide assemblies, fluid pressure operated means for operating said folder arms to fold the wire up the sides of the bundle, a curved folding finger pivoted adjacent the inner edge of each folder arm adjacent the upper end thereof and normally retracted to assume a substantially vertical position, a second normally obliquely extending finger abutting and projecting above the aforesaid finger and pivoted to the folder arm remote from the inner edge thereof, and ledge means on said ram to engage the upper obliquely extending fingers of said folder arms to force same downwardly and inwardly to actuate said curved folding fingers to turn the wire over the top of the bundle.

2,624,271

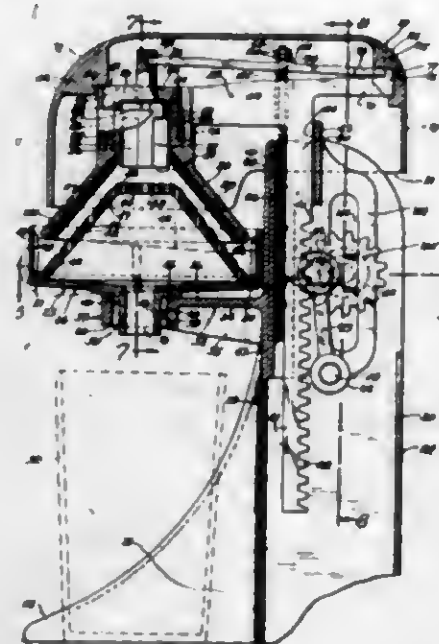
FRUIT JUICER

Alfred W. Johnson, Chicago, Ill.

Application December 27, 1950, Serial No. 202,933
4 Claims. (Cl. 100-213)

1. In a fruit juicer, the combination of a support having a stable base with a fruit holder carried thereby, a complementary pressure cup for engaging the fruit and pressing it against said holder, said cup being carried by a reciprocating member on said support, actuating mechanism for said reciprocating member, said pressure cup including means carried thereby for

gripping and supporting the rind of the fruit to lift the rind from said holder, an ejector slidably mounted in said pressure cup, and means for actuating said ejector to eject the rind, said means including a lever mounted on said reciprocating member and movable therewith, said



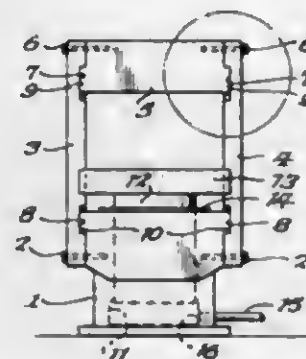
lever having one end engaged with said ejector and its opposite end in pivotal engagement with said support, and a rod operated by said actuating mechanism and pivoted to said lever intermediate its ends for moving said lever to operate said ejector.

2,624,272

SIDE PLATE PRESS

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application February 15, 1950, Serial No. 144,280
6 Claims. (Cl. 100-269)

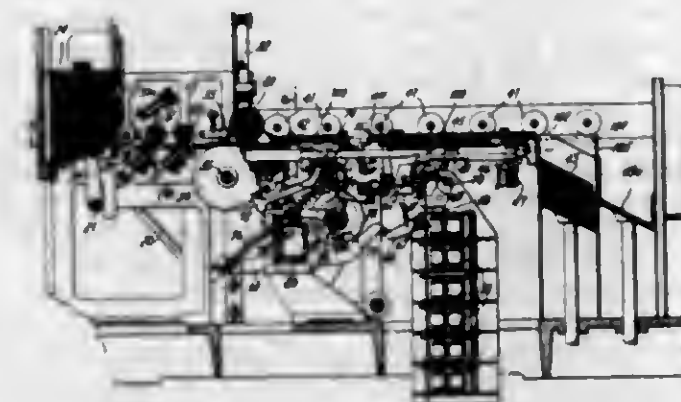


5. A press construction comprising a plate having a channel-like slot extending transversely across a face thereof, a member abutting endwise against said face of said plate and having a rib on its end face entering said slot, a pair of superposed, tapered keys in said slot between the side wall of the slot and the side of said rib, one of the keys extending along and abutting said rib and the other key extending along and abutting said slot side wall, the tapers of the keys being in opposite directions, the faces of the keys which engage the side walls of the channel slot and rib being parallel to each other, and the abutting faces between the keys being in planes normal to the bottom wall of the channel slot.

2,624,273

CHECKING MEANS FOR INTERPRETERS

John N. Wheeler, Hawthorne, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 1, 1947, Serial No. 758,354
7 Claims. (Cl. 101-2)



2. In a machine having elements at a main station for sensing index positions of a record for item representations, means to feed records successively to said station, and recording devices differentially settable under control of said elements according to item representations sensed thereby upon a record; means for checking the accuracy of the setting of the recording devices and including a checking station comprising supplemental sensing elements and so positioned with respect to the sensing elements at the main station to resense a record for item representations after such item representations of the same record have been sensed by the sensing elements of the main station and while the following index positions of the same record are being sensed at the main station, comparing means under conjoint control of the supplemental sensing elements according to the item representations resensed on a record and by the recording devices according to their setting for detecting, at the time the supplemental sensing elements are resensing the item representations and the recording devices are being set under control of said elements at the main station, matching or non-matching relations between the resensed item representations and the setting of the recording devices, a pair of receiving stations for the records, means for directing the records operated upon to either of said stations, and means under selective control of said comparing means for selectively operating said directing means to direct those records which have correctly set the recording devices to one of said stations and to direct those records which have incorrectly set the recording devices to the other of said stations.

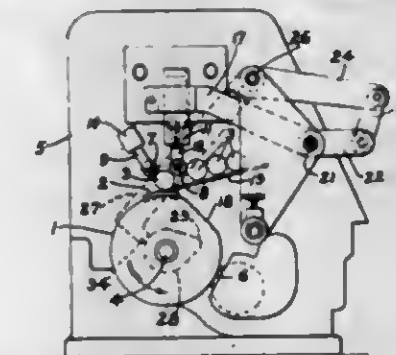
2,624,274

MACHINE FOR PRINTING CYLINDRICAL ARTICLES

Bertrand G. Harvey, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application April 25, 1951, Serial No. 222,915
1 Claim. (Cl. 101-40)

A machine for printing cylindrical articles comprising a printing cylinder, a printing member carried thereon, means to rotate said printing cylinder, a chute for delivering unprinted cylindrical articles to the printing cylinder, article-positioning means for holding a cylindrical article to be printed in printing position resting on the printing cylinder and with its

axis parallel to that of the printing cylinder, said means including a stationarily-mounted freely-rotatable article-positioning member situated above the printing cylinder with its periphery spaced from that of the printing cylinder by a distance less than the diameter of the cylindrical article being printed, and also including a cooperating freely rotatable combined article-positioning and hold-down member movable vertically between a lowered operative position in which it is spaced from the stationarily-mounted article-positioning member by a distance less than the diameter of said cylindrical article, and is positioned to engage the bottom cylindrical article in the chute and restrain it from forward movement, and a raised inoperative position in which the bottom cylindrical article in the chute



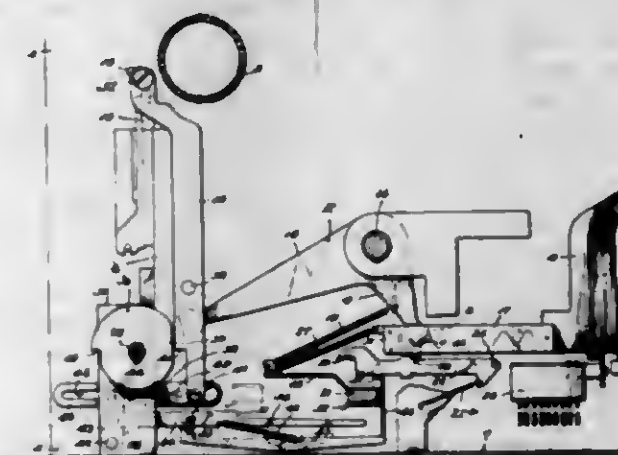
is released, said printing cylinder having a flat surface at the trailing end of the printing member whereby when said flat peripheral surface moves into position beneath the stationarily-mounted article-positioning member a sufficient space is provided between said member and the printing cylinder for the discharge of the printed cylindrical article, and means to raise the combined article-positioning and hold-down member when the flat surface of the printing cylinder moves out of a position underneath the stationarily-mounted article-positioning member and the cylindrical peripheral portion of the printing cylinder moves into such position, thereby releasing the bottom cylindrical article in the chute and allowing it to roll into printing position against the stationarily-mounted article-positioning member.

2,624,275

HAMMER OPERATING MECHANISM

Charles A. Parker and Clifton K. Rainey, Knoxville, Tenn., assignors to Rainey Accounting Machine Company, Inc., Knoxville, Tenn., a corporation of Tennessee

Application June 14, 1949, Serial No. 99,083
9 Claims. (Cl. 101-93)



3. In an accounting machine, a platen, a series of type carriers movable to printing position relative thereto, a single hammer common to all said carriers for impacting simultaneously all carriers

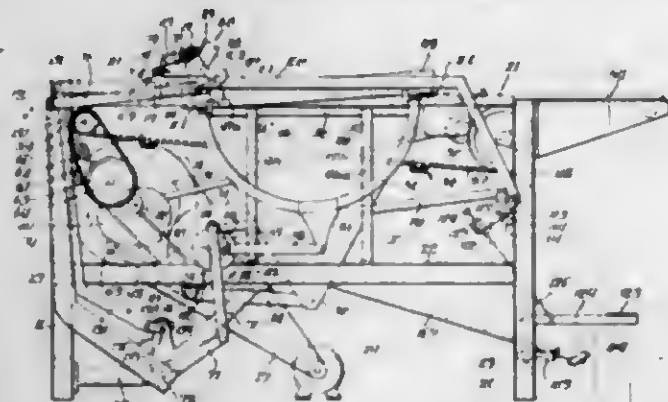
In printing position, spring propulsion means for the hammer, actuators operative to determine the number of type carriers movable to printing position for any given printing operation, a driven operating member, an interponent between said operating member and the spring propulsion means and normally ineffective to establish connection therebetween, and means operative from at least one of said actuators to render said interponent effective whereby to modulate the force of the spring propulsion means upon actuation of said operating member.

2,624,276

SCREEN PRINTING MACHINE

Jess D. Klopfenstein, Oak Park, Ill., assignor to The Meyerco Company, Chicago, Ill., a corporation of Illinois

Application December 16, 1947, Serial No. 791,955
14 Claims. (Cl. 101-123)



3. In a screen printing machine, a squeegee mechanism adapted to be reciprocated over a stencil screen for printing in one direction and for return movement in a reverse direction, said mechanism comprising a reciprocable frame extending transversely of the screen, a squeegee carried by said frame in engagement with the screen during the printing stroke and out of said engagement during the return stroke, a scoop rockably mounted on said frame out of engagement with the screen on the printing and return strokes and rockable from open depending position to closed, substantially horizontal position, said scoop being rockable at the end of the printing stroke from depending position to horizontal position through the mass of printing ink at one end of the screen for picking up a quantity of said ink and being maintained in ink retaining horizontal position during said return stroke and rockable at the end of the return stroke to open depending position for depositing said quantity of ink at the other end of the screen, a shaft rotatably mounted in said frame, a segment secured to said shaft, a gear segment secured to said scoop and in mesh with said segment for effecting pivotal movement of said scoop, an actuating lever secured on one end of said shaft and movable with said frame, and stop means at each end of the screen in the path of movement of said lever and adapted to be engaged thereby as the lever approaches the ends of the printing and return strokes and to force movement of said actuating lever upon limited continued movement of the frame to the ends of the respective strokes for effecting rocking movement of the scoop to its respective positions.

14. A screen printing machine comprising a stencil screen, a printing bed adapted to be moved to and from printing position under the screen, a squeegee adapted to be reciprocated over said screen, means for moving said squeegee over said screen to operative position and return, means for moving said bed from operative to open in-

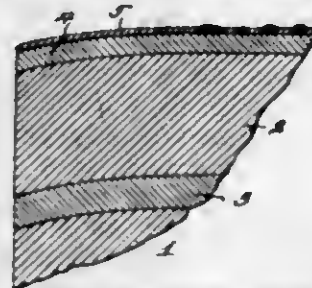
operative position and return, a rotatable shaft in driving connection with said squeegee and said bed moving means, a main drive shaft for driving said machine, other movable operating parts operably connected with and driven by said main drive shaft, and a clutch mechanism between said main drive shaft and said rotatable shaft for completing or breaking the driving connection to said rotatable shaft for starting or stopping operation of said squeegee at the end of its stroke and said bed in open inoperative position without affecting operation of said other moving parts of the machine, said clutch mechanism comprising a clutch plate mounted on said main drive shaft for rotation relative thereto and being drivingly connected to said rotatable shaft and having a single clutching element rotatable therewith, a pivoted lever secured adjacent said clutch plate to said main drive shaft for rotation therewith and for pivotal movement relative thereto and engageable with the clutching element of said clutch plate for completing the driving connection from said main drive shaft to said rotatable shaft, and a movable stop member adapted to be moved from normal retracted position into the path of movement of said lever for engagement therewith at any time in the cycle of rotation of said lever and for rocking the lever out of clutched engagement with said clutch plate at a constant point in the cycle of rotation of said clutch mechanism for stopping operation of said squeegee and said bed at said constant point.

2,624,277

METHOD OF APPLYING DECORATION AND INDICIA TO EDIBLE FOODS

Carl L. Sunkel, Baltimore, Md.

Application August 22, 1950, Serial No. 180,784
1 Claim. (Cl. 101-129)



A method of decorating an edible product having a tacky surface, said method comprising placing on said tacky surface an absorbent stencil having the desired design outlined therethrough, then allowing moisture from the tacky surface to penetrate the absorbent stencil, next gently pressing those portions of the stencil outlining the design against the tacky surface, then applying a powdered material to the tacky surface through the design of the stencil, hardening the tacky surface, removing the excess powdered material not adhering to the tacky surface and finally stripping the stencil from the hardened tacky surface.

2,624,278

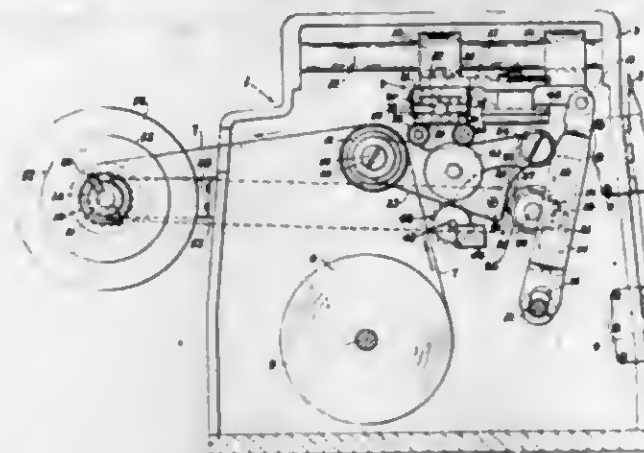
MARKING MACHINE

Charles F. Robbins, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire

Application October 22, 1948, Serial No. 56,008
3 Claims. (Cl. 101-253)

1. In a printing machine wherein the printing couple includes a freely rotatable impression cylinder and a reciprocating printing head carrying type and wherein the impression cylinder is mounted on a vertically movable support by which it is moved toward and from the path of

travel of the face of the type thereby to place the impression cylinder in an operative position with respect to the type during the movement of the printing head in one direction, thereby to make a printed impression on a tape supported by the cylinder, and in an inoperative position spaced from the printing head during the movement thereof in the opposite direction, the combination with said movable support, of an inking roll mounted thereon, an upper ink distributing roll supported separately from said movable support and mounted to rotate about a fixed axis, a lower ink distributing roll mounted on said support, an ink supplying roll situated beneath

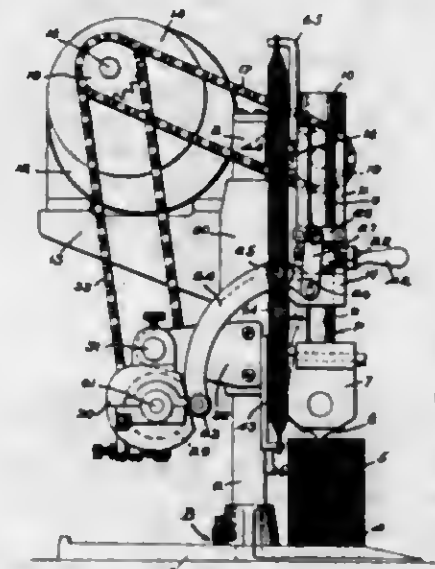


the support and mounted to rotate about a fixed axis, and an ink pad rigid with the printing head, said movable support when in raised operative position maintaining the inking roll in position to be engaged by the type and the ink pad and the lower ink distributing roll in position to engage the upper ink distributing roll, and when in lowered inoperative position maintaining the inking roll out of contact with the type and ink pad and the lower ink distributing roll in contact with the ink supplying roll, means to give the carrier its reciprocating movement and means to move the movable support between its operative and inoperative positions in timed relation with the reciprocating movement of the carriage.

2,624,279

MARKING MACHINE

David F. Putnam and Charles F. Robbins, Keene, N. H., and Otto B. Meyers, Quakertown, Pa., assignors to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application December 30, 1949, Serial No. 136,056
6 Claims. (Cl. 101-321)



1. A printing machine having a base provided with a support for a stack of sheets to be printed,

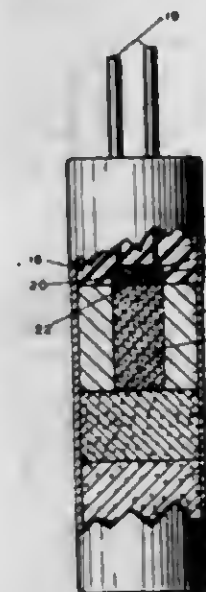
a printing unit mounted on the base for vertical adjustment, said printing unit including a supporting frame, a printing head having type mounted thereon, a motor also mounted thereon and driving connections between the motor and the printing head for giving the latter a vertical reciprocating movement for making repeated printed impressions, and means to adjust the printing unit bodily vertically relative to the base as each printed impression is made, thereby maintaining said printing unit at a proper vertical position for the printing head to make an imprint on the top sheet of the stack at each downward movement, regardless of the diminishing height of the stack as the printed sheets are removed therefrom.

2,624,280

ELECTRIC INITIATOR

David T. Zebree, Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application January 9, 1948, Serial No. 1,354
9 Claims. (Cl. 102-28)



1. An ignition composition for blasting caps comprising from about 10% to about 20% of finely-divided primary explosive; from about 50% to about 70% of a heat-producing material consisting of a finely-divided mixture of at least one nonmetallic member of the sulfur group with a substantially stoichiometric proportion of solid inorganic oxidizing salt; and an additional amount of not more than 15% by weight of a pulverulent inorganic oxidizing salt having a particle size not greater than about 74 microns.

2,624,281

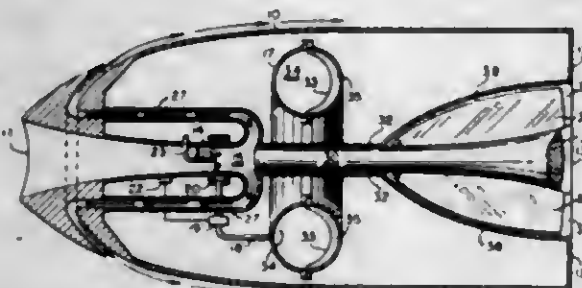
PROJECTILE

James A. McNally, United States Navy
Application September 10, 1947, Serial No. 773,283
2 Claims. (Cl. 102-49)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In a projectile adapted to be discharged from a smooth bore means including a casing, means forming a longitudinal opening through said casing, said opening including an input portion extending from the forward end of said casing with gradually decreasing cross-sectional area, a high pressure area of reduced cross-sectional area communicating with said input portion and an exhaust portion extending with gradually increasing cross-sectional area from said high pressure area to the rear end of said projectile, conduit means leading from said high pressure area,

a nozzle exhausting at the forward outer surface of the projectile and connected to said conduit means to discharge a high velocity fluid jet rearwardly along the outer surface of said casing throughout the entire area thereof, said exhaust portion including a plurality of movable reaction vanes pivotally mounted in slots annularly positioned in said casing with respect to the longitudinal axis thereof, said reaction vanes imparting rotation to said projectile, propulsion means

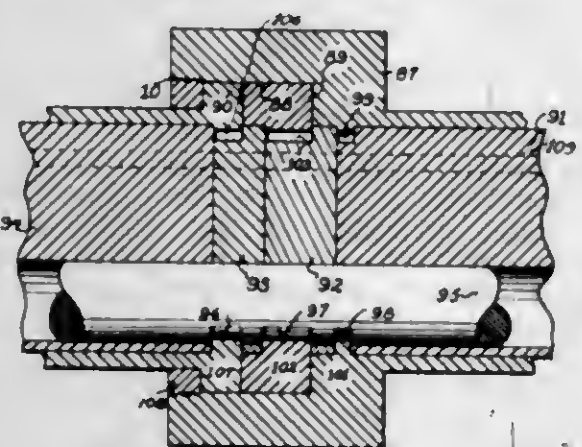


mounted in said exhaust portion operable to accelerate said projectile to a certain velocity, means including an annular fuel reservoir surrounding said high pressure area and a fuel conduit, means in said fuel conduit to control the amount of fuel from said annular reservoir to said high pressure area for generating a source of hot motive fluid in said pressure area for discharge through said exhaust conduit to further accelerate said projectile after discharge of said propulsion means.

2,624,282

ROTARY VANE MOTOR OR PUMP

John R. Allsup, Sr., Port Orchard, Wash.
Original application March 6, 1947, Serial No. 732,888. Divided and this application September 8, 1947, Serial No. 772,879
2 Claims. (Cl. 103-4)



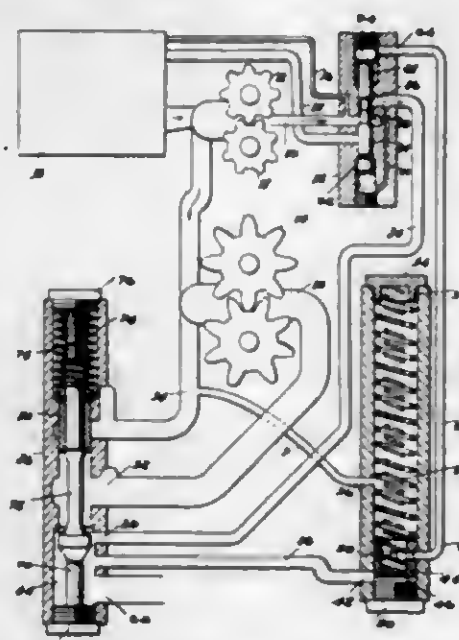
1. A rotary vane motor or pump comprising an outer casing having inlet and outlet passages and formed of several parts having a radially inwardly extending projection upon each of certain of said parts, a cylindrical chamber in the casing parts, a rotor structure of smaller diameter than said chamber and concentric therewith and adapted to be rotated within the chamber in the casing, and the radially inner surface of each of the radially inwardly extending projections each having a running clearance with the peripheral surface of the rotor, said rotor structure comprising a plurality of parts having a longitudinally extending opening therethrough, a rotary piston lying within the opening and having flattened recesses thereon adapted to be aligned with the radially inwardly extending projections on the casing parts to free the rotor of the casing, and the flattened recesses on the rotary piston fit the radially inner surface of the radially inwardly extended projections, inlet and outlet

passages for said chamber, said radially inwardly extending projections located between said inlet and outlet passages and serving as a barrier to the separate inlet and outlet passages of the outer casing and a timing means on said casing parts for ensuring that the flattened portions of the piston register with the radially inwardly extending projections.

2,624,283

HYDRAULIC PUMP

Eric J. Hirvonen, Shrewsbury, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts
Application January 5, 1949, Serial No. 69,358
3 Claims. (Cl. 103-11)



1. A hydraulic pump comprising a reservoir, separate high and low pressure pumping means connected thereto, a merging valve for the high and low pressure, the low pressure being directly connected to the merging valve, a high pressure valve, a stem in the latter shiftable to direct the high pressure either to the reservoir or to the merging valve, a plunger in the merging valve shiftable to direct the low pressure to the reservoir under conditions of back pressure in the merging valve, an accumulator receiving pressure from the merging valve and storing pressure for use on demand, a line from the accumulator to the high pressure valve to shift the stem thereof under conditions of pressure in said line, a movable member in the accumulator closing said line in one position and opening the line to high pressure in another position wherein the accumulator is loaded, the high pressure valve stem being shifted to close the high pressure pumping means from the merging valve when the said line from the accumulator is open, and hydraulic means to re-shift the high pressure valve stem to again open the high pressure to the merging valve upon closing of said line.

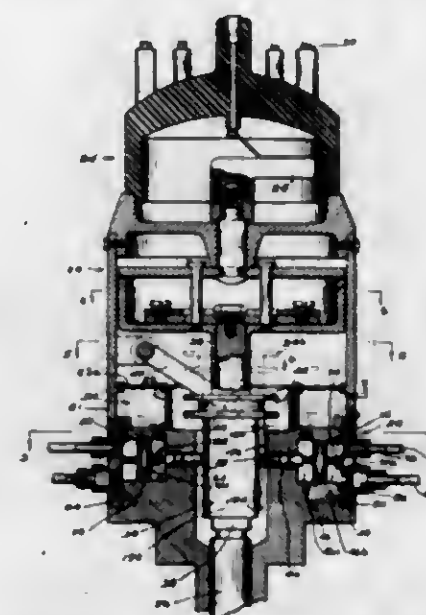
2,624,284

FUEL INJECTOR FOR INTERNAL-COMBUSTION ENGINES

Edward L. Straub, North Hollywood, Calif.
Application August 4, 1947, Serial No. 765,931
9 Claims. (Cl. 103-44)

1. In a fuel injector for an internal combustion engine including a body structure therefor, a plural number of diametrically differentiated aligned bores in the body structure, a fluid dis-

placement plunger reciprocable in the smaller of said bores, a cover plate associated with the greater of said bores in closure of one end of the intermediate one of said bores and a non-extensible disc positioned within and adapted to float substantially the length of the intermediate bore to an operational locus and so as to form a variable capacity chamber upon each side thereof, valved ports in said cover plate adapted to control flow of liquid fuel to and from one of

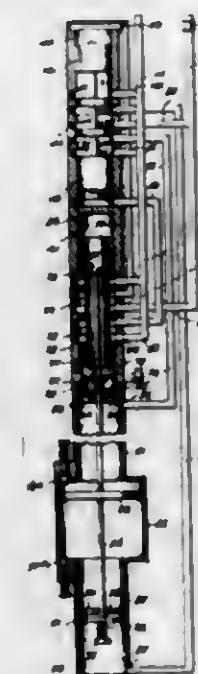


said chambers, a valved port adapted to atmospheric pressure actuated operation to admit a different liquid to the other of said chambers, and resilient stabilizers upon each side of said disc, one of said stabilizers being in pressure contact with an end of said plunger and the adjacent face of said disc and the other of said stabilizers being in pressure contact with the inner face of said cover plate and an adjacent face of said disc, and power means to reciprocate said plunger.

2,624,285

FLUID-OPERATED LIQUID PUMP

Ellis C. Hall, Jackson, Miss., assignor to Pump Development Company, Jackson, Miss.
Application April 11, 1951, Serial No. 220,433
2 Claims. (Cl. 103-46)



1. An apparatus of the character described comprising a well casing extending vertically into

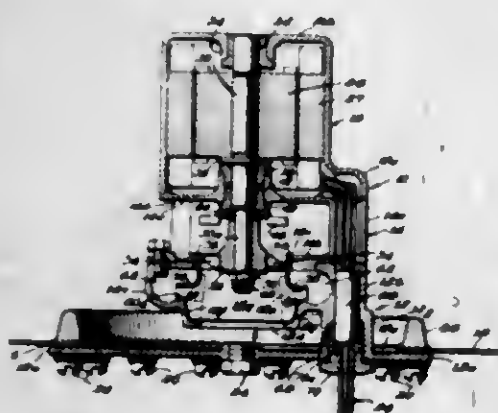
the ground, a cylindrical housing positioned in the lower portion of said well casing, a high pressure fluid pump mounted above ground, a fluid supply conduit extending from said high pressure fluid pump through said casing into said housing, a fluid return conduit extending from said high pressure fluid pump through said casing into said housing, a discharge pipe connected to said fluid return conduit, a reciprocally operated fluid pump in the lower end of said housing, and fluid pressure operated means mounted in said housing above said reciprocally operated fluid pump for actuating said reciprocally operated fluid pump, said means having connection with the fluid supply and fluid return conduits, and said means including a hollow cylindrical body having a centrally disposed bulkhead dividing the same into an upper and a lower compartment, a piston reciprocally mounted in said lower compartment, a vertical shaft in said upper compartment, a plurality of pistons affixed to the shaft in the upper compartment, said piston in the lower compartment having a plurality of reduced portions, said body having a plurality of ports extending to the upper compartment and a plurality of ports extending into the lower compartment, a pipe connecting one of the ports of the upper compartment with the fluid return conduit, a pipe connecting one of the ports of the upper compartment with the upper end of said reciprocal pump, a pipe connecting a port of the upper compartment with the lower end of said reciprocal pump, a pair of pipes connecting ports of the upper compartment with the fluid supply conduit, a pair of pipes connecting ports of the lower compartment with the fluid supply conduit, a pair of pipes each interconnecting a port of said upper compartment with a port in said lower compartment, said pistons in the upper compartment acting as valves to interiorly and selectively interconnect pairs of ports of said upper compartment, and said reduced portions in said piston in the lower compartment acting as valves to selectively and interiorly interconnect pairs of ports of said lower compartment, and means connected with said piston in the lower compartment for actuating the reciprocal pump, and said reciprocally operated fluid pump including a vertically extending cylindrical pump housing having an enlarged cylindrical portion, a centrally disposed shaft in said pump housing, a piston affixed to said shaft in the upper portion of said pump housing, a piston affixed to said shaft in the lower portion of said pump housing, a relatively larger piston affixed to said shaft in said enlarged central portion, an inlet valve in the upper end of said enlarged portion, an inlet valve in the lower end of said enlarged portion, an upwardly opening one-way valve for the uppermost piston, a downwardly opening one-way valve for the lowermost piston, and fluid lines interconnecting the upper and lower ends of said pump housing with said fluid pressure operated means.

2,624,286

SUBMERGED PUMP AND MOTOR ASSEMBLY
Frederick E. Smith, Cleveland Heights, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 12, 1948, Serial No. 54,185
4 Claims. (Cl. 103-87)

1. A booster pump unit adapted for mounting in a fuel cell which comprises a base plate adapted to span an opening in a cell wall and to be attached to the wall around the opening, a hollow

upstanding post integral with said base plate, a pump casing carried by said post in spaced relation above the central portion of the base plate, said casing having an open bottom, an open top, and an annular pumping chamber between the open top and open bottom, an intermediate casting on the top of said post having a registering hollow post portion and spaced top and bottom plate-like walls, said bottom wall closing the top of said open topped pump casing and providing an outlet passageway for the pump casing in spaced aligned relation with the open bottom of the casing, a motor casing mounted on said intermediate casing and having a hollow tubular portion aligned with the hollow post of the intermediate casing, said top wall of the intermediate casing closing said motor casing, a motor in said motor casing having a rotor shaft depending into the pump casing, a pump impeller on said motor shaft for propelling fluid from the open bottom



of the pump casing into the annular pumping chamber and for releasing gases and bubbles from the fluid, screw means on said pump impeller for flowing gaseous material into the space between the top and bottom plates of the intermediate casing, motor-energizing wires extending through the aligned post portions into the motor casing, said post portion on the base plate having an internal shoulder and a threaded end portion, a block of plastic insulating material receiving said wires therethrough in spaced bonded relation, a seal ring surrounding said block adjacent said shoulder, and a plug threaded into the threaded portion of the post receiving an end portion of the block and the wires, said plug acting against said seal ring to deform the ring into sealing relation with the block.

2,624,287

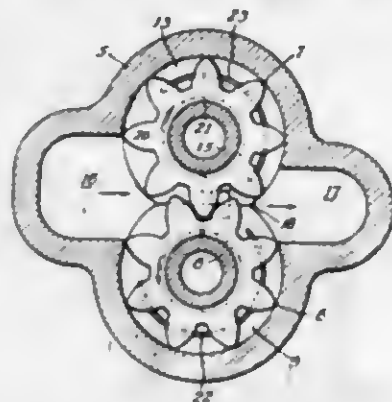
GEAR PUMP

Boris P. Ilyin, Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 8, 1949, Serial No. 120,349
3 Claims. (Cl. 103-126)

1. In an intermeshing gear pump, a housing having an inlet port and a discharge port formed therein, a pair of intermeshing pumping gears journaled in said housing and arranged to force liquid from said inlet out of said housing through said outlet, a pair of bushings associated with said gears and having surfaces adapted to engage the adjacent gear side faces in substantially sealing relation, and means for communicating discharge pressure generated by said gears to gear tooth pockets lying adjacent the inlet port of said pump during the operation thereof, said means comprising a groove formed in the gear side face engaging surface of each of said bushings and communicating at one end with the dis-

charge port of said pump and at the other end with gear tooth pockets of the associated gear adjacent the inlet port of the pump, said grooves being of unequal length and the groove associated with the driven gear of said pump com-



municating at any instant with more gear tooth pockets than the groove associated with the driving gear whereby a greater number of gear tooth pockets of the driven gear are exposed to discharge pressure than of the driving gear.

2,624,288

WELL PUMP WITH SUCCESSIVE PISTONS

John B. Reilly, Whittier, Calif.

Application August 11, 1947, Serial No. 767,998
4 Claims. (Cl. 103-79)



1. A pump for a well, said pump comprising fixed vertically aligned barrels of different size and the upper barrel being the larger, rigidly connected axially-hollow plungers, one operatively fitting each barrel, means to connect said plungers to an operating string for reciprocation thereof, said means extending upwardly from the larger upper barrel and including an adapter having ports disposed to communicate the hollow of the plungers with the larger barrel above the larger plunger, the smaller barrel and plunger having control valves whereby the same intermittently draws fluid in the hollow of the plungers from a well in which the pump operates, and the larger barrel having a vent directly to the well below the lowermost position of its plunger whereby the latter is loaded by the weight of fluid thereabove to thereby load the mentioned connecting means and the operating string.

2,624,289

ENDLESS CABLE CONVEYER CARRYING LOADS THAT ARE SUSPENDED OR REMAIN IN CONTACT WITH THE GROUND

Jean Pomagalski, Grenoble, France, assignor to Donald F. Miller, South Orange, N. J.

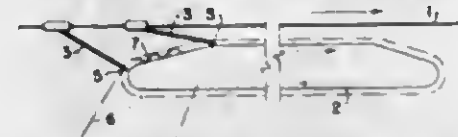
Application July 10, 1947, Serial No. 759,980

In France June 29, 1939

Section 1, Public Law 690, August 8, 1946

Patent expires June 29, 1959

10 Claims. (Cl. 104-204)



1. An endless cable conveyor for towing loads up a mountain or the like comprising in combination an endless traction cable; a carrier cable; means for supporting said carrier cable along a path substantially parallel to the varying slope of the mountain; a plurality of roller means movable along said carrier cable; towing means connected at one end to said roller means and adapted for connection to a load at their other end; and disengageable connecting means between each of said roller means and said traction cable.

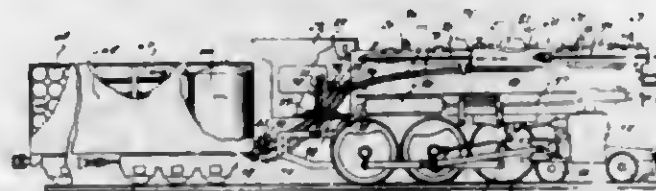
2,624,290

PROPELLING SYSTEM FOR LOCOMOTIVES AND OTHER VEHICLES

John B. McLean, Yonkers, N. Y.

Application August 4, 1948, Serial No. 42,457

7 Claims. (Cl. 105-62)



1. In a locomotive or the like vehicle, a propelling system comprising a tapered combustion products generator formed of a casing adapted to collect air and products of combustion, a burner connected to the casing adjacent its forward end, the forward end of the generator casing being open to receive a blast of free air when the locomotive is in motion, an automatic shutter arrangement in the forward end of the generator adapted to open under the action of air due to the motion of the vehicle to control the flow of air to the generator, a reservoir connected to the rear end of the generator to receive the mixture of the products of combustion air upon the same expanding and under the pressure of air entering the open forward end of the generator, said locomotive having a driving mechanism including a gas mixture receiving chest and an expansion engine, an outlet pipe extending from the reservoir to the chest, and valve means in the outlet pipe for controlling the flow of the mixture from the reservoir, and controlled means for supplying fuel gas, oil and compressed air to the burner.

2,624,291

RAILWAY TRUCK DAMPING DEVICE

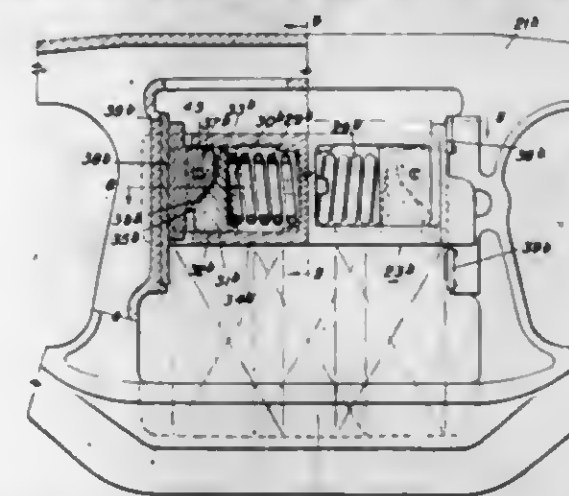
James C. Settles, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio

Application June 25, 1946, Serial No. 679,284

4 Claims. (Cl. 105-197)

1. In a damping mechanism for a railway car truck provided with bolster guide columns, a

bolster having an end portion extending between said guide columns, a substantially horizontal top wall and a substantially horizontal bottom wall on the bolster end portion, a centrally disposed vertical rib arranged longitudinally of the end portion of the bolster connecting the top and bottom walls, an inboard transverse wall connecting the top and bottom walls of the bolster, an outboard transverse wall connecting the top and bottom walls of the bolster, said transverse walls and said top and bottom walls defining an unobstructed rectangular pocket at one side of the bolster, a wedge member having a substantially horizontal under surface extending throughout the entire width of the wedge between said transverse walls, a horizontally disposed helical spring within the bolster with one end thereof bearing against said rib and the other end engaging said wedge member, an inclined surface on said wedge member sloping downwardly and outwardly in proceeding to-



wards the side of the bolster and said inclined surface extending throughout the width of the wedge between said transverse walls, a friction shoe having a vertical face arranged to engage one of the guide columns, said friction shoe having a substantially horizontal surface on the top portion thereof extending throughout the width of the friction shoe between said transverse walls, and an inclined surface carried by the friction shoe extending throughout the width thereof between said transverse walls engaged by the inclined surface on the wedge member whereby the vertical face on the shoe is urged into engagement with the guide column and the friction shoe is shifted upwardly with the substantially horizontal surface thereon into engagement with the under surface of the top wall of the bolster and the wedge member is shifted downwardly with the horizontal surface thereon into engagement with the upper surface of the bottom wall of the bolster.

2,624,292

DOOR LATCH MECHANISM

Hugh W. Sanford, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware

Original application April 16, 1945, Serial No. 588,577. Divided and this application April 8, 1949, Serial No. 86,301

12 Claims. (Cl. 105-308)

1. In a dumping conveyance having a lading body with a drop bottom door and a plurality of latch hooks for supporting an edge of the door, a cross shaft mounted on the conveyance and supporting the hooks thereon, means mounting the hooks on the cross shaft for freedom of movement of the hooks with respect thereto in one direction and for positive movement of the hooks

upon rotation of the cross shaft in one direction, and resilient means acting on the hooks normally

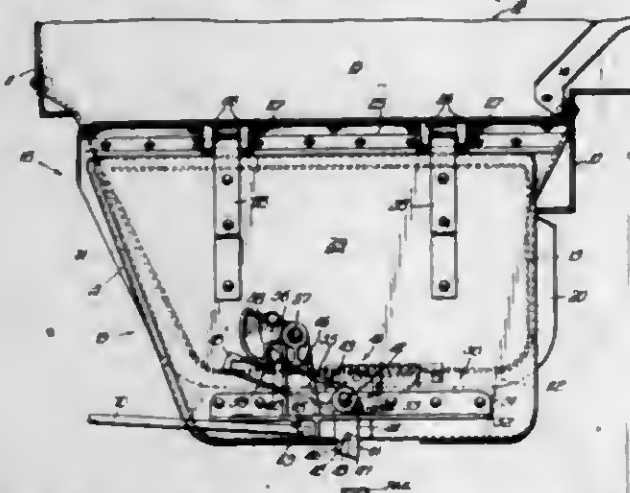


tending to turn said hooks in one direction thereon.

2,624,293

HOPPER CAR DOOR LATCH

George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 22, 1950, Serial No. 197,068
6 Claims. (Cl. 105—308)



1. In a railway car having a hopper with a discharge opening and a door hinged along the upper side of the opening for closing the latter, in combination, a shouldered keeper carried by said hopper adjacent the swinging edge of said door and projecting beyond the face of said opening, a latch swingable with said door and projecting beyond the swinging edge thereof for engagement with the shouldered portion of said keeper, said keeper beyond its shouldered portion having an end disposed in the path of swinging movement of said latch when the latter is in latching position on said door and having an inclined striker surface extending at a keen angle to the path of swinging movement of said door, and interengaging relatively movable fingers carried respectively by said door and said latch for holding said latch in an intermediate location between its extreme limits of travel in a position where said latch can engage said striker surface upon swinging movement of said door in a closing direction, said fingers being freely separable when said latch engages said keeper whereby said latch is free to move as a result of the engagement of said latch and said inclined striker surface of said keeper.

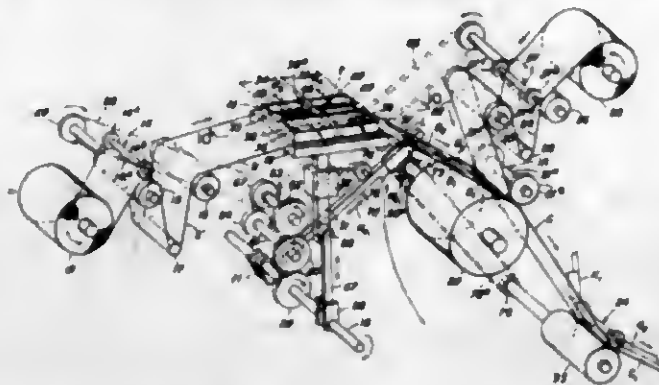
2,624,294

APPARATUS FOR MAKING THREE-DIMENSIONAL ORNAMENTAL UNITS IN THE NATURE OF DECALCOMANIA

Carl Egard Seagren, Brooklyn, N. Y., assignor to Carl Seagren Enterprises, Brooklyn, N. Y., a copartnership
Application September 24, 1948, Serial No. 50,972
6 Claims. (Cl. 107—1)

1. Apparatus for producing an edible raised design upon a backing sheet comprising a ma-

chine frame, a horizontally-extending flat platen in the nature of a suction box mounted upon said frame for vertically reciprocating movement between an upper and a lower position, said platen being adapted to support upon and to hold by suction to the top face of the platen a backing strip being fed in step-wise advance over the platen, horizontally-extending template means defining the edible design mounted fixedly with respect to said frame and above said platen, said

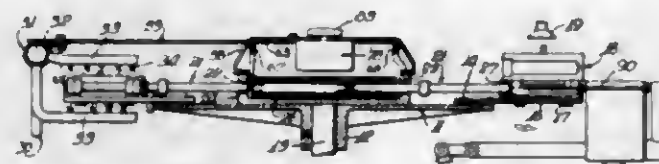


template means comprising a first plate member defining one component of the design, and a second plate member defining another component of the design, supply means for applying the edible material to and into the design-forming space defined by each plate member together with the platen when the platen with the strip is in its upper template-engaging position, and main strip-feeding means for advancing the strip over the platen while the platen with the strip is in a sufficiently lowered position.

2,624,295

BAKING MACHINE

Herman Puls, New York, N. Y.
Application January 4, 1949, Serial No. 69,192
4 Claims. (Cl. 107—4)



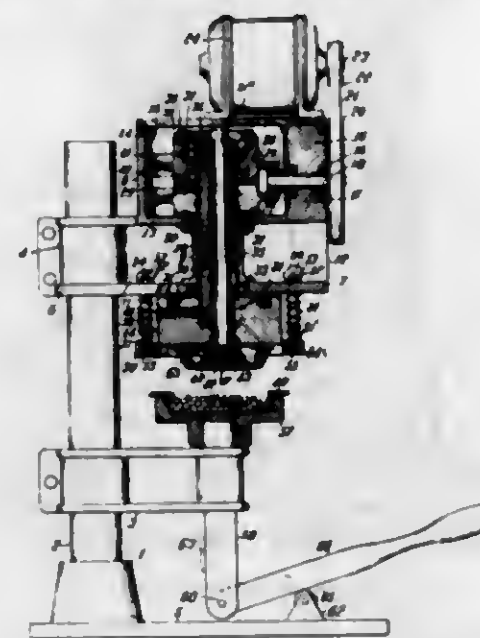
1. In a machine of the character described for baking tubes of pastry, said machine comprising a frame, a circular table rotatably mounted on said frame, and a plurality of molds for dough affixed to said table and radially arranged on the periphery thereof; the combination therewith of a circular hub member affixed to the center of said table and having an upstanding rim on the periphery thereof, a plurality of radially arranged hollow plunger rods associated respectively with each of said molds and slidable into and out of said molds to form a tube from the dough therein, each of said plunger rods bearing at one end in a corresponding one of a plurality of transverse openings extending through said upstanding rim and spaced therearound, means to apply heat to the outer wall of the tubes in said molds, a pair of contact plates rigid with the floor of said hub, insulated therefrom and from each other, said plates lying parallel to the floor of said hub and being spaced from each other, said rods being movable between said plates and an electric heating unit positioned in the bore of each of said hollow plunger rods to apply heat to the inner walls of the tubes in said molds, each of said heating elements having a pair of spaced contact fingers

extending inwardly of the rim of said hub and frictionally and resiliently engaging opposed faces of said spaced plates respectively whereby when a source of current is applied to said contact plates said heating elements will be energized.

2,624,296

PASTRY FORMING MACHINE

Charles Edwin Nuttall, Sharptown, Md.
Application May 10, 1951, Serial No. 225,585
16 Claims. (Cl. 107—15)

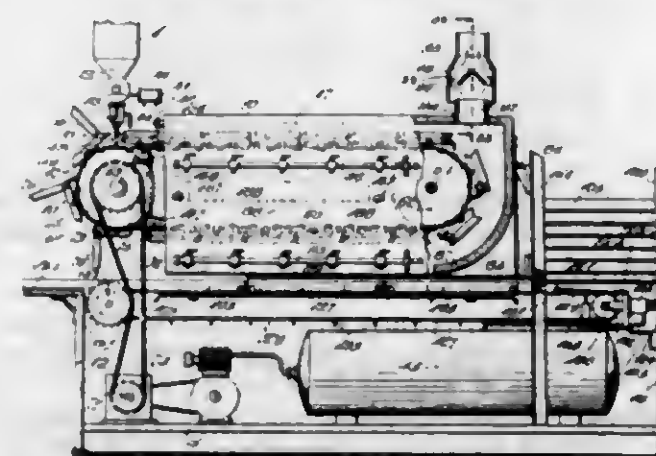


1. A pastry forming machine including a hollow vertical spindle, means for mounting the spindle for rotary movement on a central vertical axis, a vertical shaft arranged within the hollow spindle eccentrically with relation to the axis of rotation of the spindle and carried thereby, means for mounting the vertical shaft for rotary movement relative to the spindle, a dough forming element carried by the lower end of the spindle, a dough-forming element carried by the lower end of the shaft, and means connected with the spindle and the shaft for rotating the same in opposite directions.

2,624,297

AUTOMATIC CAKE BAKING MACHINE

Charles E. Nuttall, Sharptown, Md.
Application October 14, 1949, Serial No. 121,340
2 Claims. (Cl. 107—58)



1. A cake baking machine including a horizontally disposed endless mold conveyor comprising laterally spaced sprocket chains and sprocket wheels meshing with and supporting the chains, molds secured to the links of the conveyor chains and having hinged covers and carried in an up-

666 O. G.—9

right position by the upper flights of the sprocket chains and in an inverted position by the lower flights of the sprocket chains, latches pivotally mounted on the hinged covers of the molds and having latching portions arranged to lock the covers of the molds in their closed and open positions and projecting beyond the molds, upper and lower tripping fingers arranged to engage the latches to release the same to permit the covers to close and also to permit the covers to open when the molds are in an inverted position for discharging their contents and for causing the latches to lock the covers of the molds in an open position to receive a batch of mix, and a snubber arranged to be engaged by the latches for cushioning the closing movement of the covers to prevent the same from slamming.

2,624,298

TILE ROOF STRUCTURE

Roy Farren, Lake Worth, Fla.
Application September 4, 1951, Serial No. 244,891
2 Claims. (Cl. 108—10)



1. In a roof structure, the combination of an inclined deck and a row of overlapped tiles provided thereon, each tile comprising an elongated body having upper and lower ends, the underside of said body being stepped intermediate the ends thereof to provide an abutment for the upper end of an underlying tile and also provide upper and lower underside portions extending from said abutment to the respective upper and lower ends of said body, the entire length of the upper underside portion contacting said deck and the entire length of the lower underside portion contacting the outer surface of said underlying tile, whereby said body is supported at the underside thereof along its entire length, said body also being provided at the underside thereof with longitudinally extending grooves having closed lower ends and open upper ends, said grooves constituting air passages and the upper ends thereof communicating with intermediate portions of corresponding passages in an overlying tile.

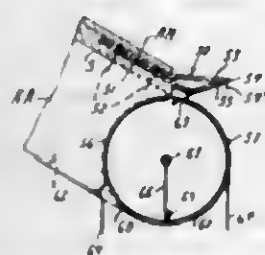
2,624,299

EAVES TROUGH

Raymond E. Beegle, East St. Louis, Ill.
Application February 10, 1949, Serial No. 75,600
12 Claims. (Cl. 108—28)

11. In an eaves trough assembly, a trough of incompletely circular transverse section, presenting a water-receiving slot along its upper portion, a fall member or water ledge, of a V-shape in transverse section, the apex portion of which constitutes a substantially abrupt, linear,

outermost margin located above and substantially parallel to the trough, said outer margin being



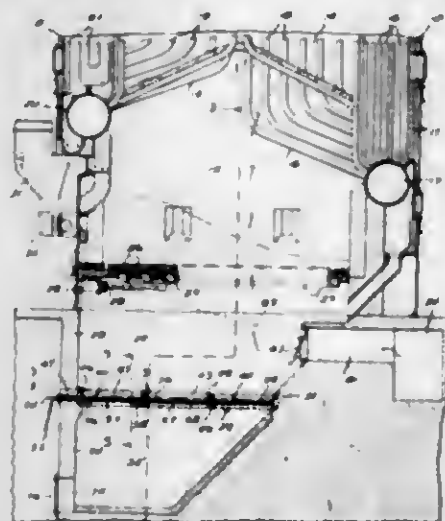
laterally displaced outwardly from a position directly above the slot.

2,624,300

COMBINATION AIR CONTROL AND ASH REMOVAL APPARATUS FOR GRATE FIRED FURNACES

Oliver William Honsinger, Saint Catharines, Ontario, Canada, assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application September 27, 1949, Serial No. 118,127
13 Claims. (Cl. 110-72)



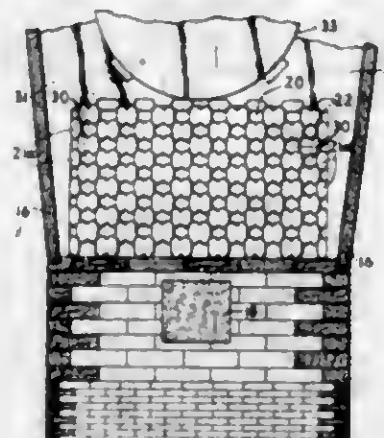
1. In a grate type furnace, a grate comprising a plurality of separate grate sections each section being adapted to dump ashes therefrom, ash pit forming means forming separate ash pits below each grate section, each pit having an air inlet in communication therewith beneath its grate section, control means for controlling the flow of air through said inlets, damper means in each pit below the air inlet and in spaced relationship with the bottom of the pit, said damper means being so positioned in a pit as to separate the pit into an upper portion with which the air inlet is in communication and a lower portion when said damper means is in a closed position and to permit ashes to pass through the upper portion and into the lower portion of the pit when the damper is in an opened position, and actuating means so associated with the damper means as to move said damper means into said opened and closed positions.

2,624,301

FURNACE WITH HONEYCOMB BAFFLE WALL
John F. Straltz, Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated, Philadelphia, Pa., a corporation of Delaware
Application August 12, 1949, Serial No. 109,837
3 Claims. (Cl. 110-92)

1. In a furnace having a front wall, a bottom wall, and spaced side walls, a bridge wall rear-

wardly disposed with respect to said front wall and enclosing with said other walls a combustion space, said bridge wall comprising a section of spaced solid blocks of ceramic material disposed in vertical columns, the blocks in adjoining columns being disposed in offset relation, each of said blocks having opposed pairs

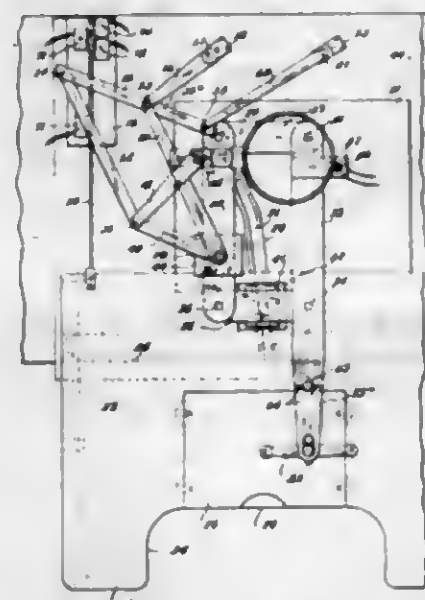


of vertical and horizontal boundary surfaces, each of said blocks having inset faces at the junction of said boundary surfaces providing edge grooves for engagement respectively with a face and a boundary surface of a contiguous block, the boundary surfaces of one of said pairs having grooves therealong from the front to the rear thereof providing passageways.

2,624,302

MONOGRAMMING MACHINE

Sam H. Meister, Shaker Heights, Ohio, assignor, by mesne assignments, to Meistergram Corporation, Cleveland, Ohio, a corporation of Ohio
Application September 10, 1949, Serial No. 114,971
5 Claims. (Cl. 112-102)



1. A monogramming or embroidering machine of the character described, comprising in combination, a cabinet, a sewing machine head mounted on said cabinet and including an operating shaft and a movable needle bar adapted to be provided with a needle and operatively connected with said shaft; means carried by said cabinet for mounting thereon a monogram, emblem or design stencilled pattern or type block, a work holder located and movable beneath the needle bar of the sewing machine head, a tracer device overlying said means, a pantograph operative connection between said device and work holder whereby movement of said device in conformity with the monogram, emblem or design outline on the stencilled pattern or type block is

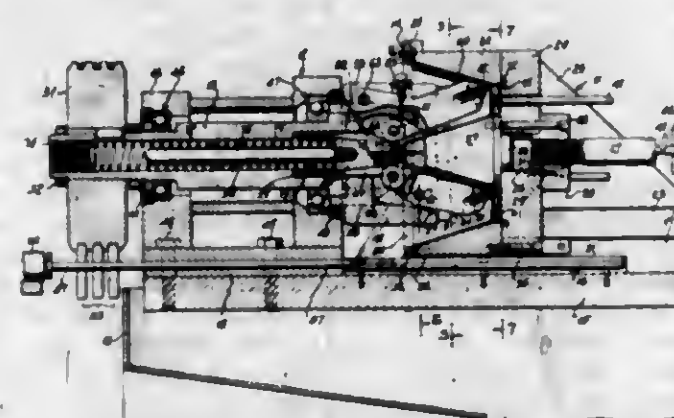
transmitted to said work holder and the same reproduced on the work by the needle, and means for exerting resistance to the movements of the pantograph in correlation to the movements of the needle to provide uniform pantograph movements and including electromagnetic means carried by the cabinet and cooperating with said electromagnetic means, a switch controlling the energization and deenergization of said electromagnetic means, and operative connections between said switch and said shaft of the sewing machine head to effect energization of the electromagnetic means in correlation to the stitching movements of the needle.

2,624,303

MACHINE FOR METALWORKING

Edwin I. Ghormley, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application July 6, 1948, Serial No. 37,163
9 Claims. (Cl. 113-52)



1. A machine for shaping metal baking pans characterized by a frusto-conical central wall and an oppositely inclined outer wall, comprising oppositely disposed die and head members relatively movable in longitudinal and rotative directions, said die member presenting walls corresponding to the walls of the pan, means for holding a metal blank against the face of said die member between said member and said head member, a plurality of first presser arms pivotally mounted on said head and extending into cooperative relation with the central wall of said die member, a plurality of second presser arms pivotally mounted on said head and extending into cooperative relation with the outer wall of said die member, the outer ends of said arms being constructed and arranged to contact and press upon the intermediate metal blank, and means operable concomitantly with relative movement of said die and head members toward each other to move said first presser arms pivotally to follow the slope of said central wall and to move said second presser arms pivotally to follow the slope of said outer wall.

2,624,304

METHOD OF MAKING BAKING OR LIKE PANS

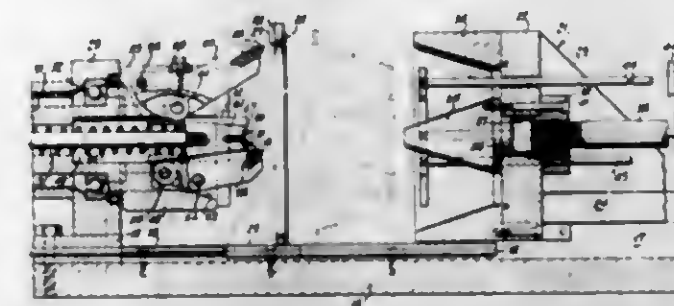
Edwin I. Ghormley, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Original application July 6, 1948, Serial No. 37,163. Divided and this application July 28, 1948, Serial No. 41,043

6 Claims. (Cl. 113-52)

6. A method of making a metal baking pan characterized by a central frustoconical wall and

an oppositely inclined outer wall, including the steps of forming a flat metal blank, applying an axial rolling and pressing pressure to one side of the metal blank adjacent the center thereof and gradually developing such pressure outward, simultaneously applying to the same side of said blank a similar pressure outward of the center of the blank and gradually developing such pressure inward, applying a counterpressure to the

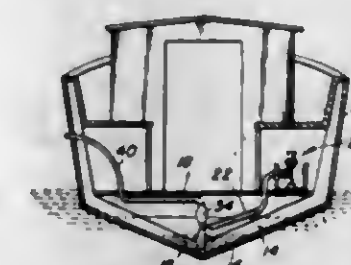


opposite side of the blank, the pressures being applied in a manner to extrude the metal acted upon, and limiting the duration of the application of such pressures to leave an annular area in the blank between and interconnecting the areas subjected to the rolling and pressing pressures, said annular area defining the bottom of the pan and having a thickness greater than the thickness of said other areas which define the walls of the pan.

2,624,305

AUTOMATIC BOAT PUMPING DEVICE

William W. Herrick and James E. Herrick, Stamford, Conn.
Application October 6, 1947, Serial No. 778,100
11 Claims. (Cl. 114-183)



1. In combination with a boat hull having a bilge, an automatic bailer comprising a pump having a horizontal, reciprocating actuating member, conduit means communicating said pump to the interior of the bilge and to the exterior of the hull during its intake and delivery strokes respectively, an operating means oscillatable in a vertical plane in response to the rocking of the hull, means connecting said operating means to said actuating member for imparting positive substantially rectilinear horizontal reciprocation in both directions to said actuating member upon oscillation of said operating means, said operating means comprising an inverted pendulum fixedly anchored at its lower end, said connecting means engaging the shaft of said pendulum.

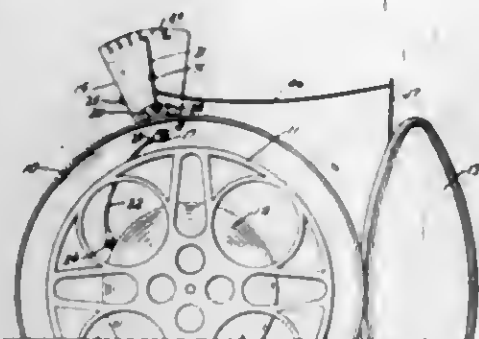
2,624,308

MOTION-PICTURE REEL END INDICATOR

Charles W. Hatke, Denver, Colo.
Application August 11, 1950, Serial No. 178,847
7 Claims. (Cl. 116-4)

1. A film reel alarm and indicator for attachment to the film roll magazine of a motion picture projector, comprising: a dial plate; a time-

indicating scale on said dial plate; a hollow stud projecting from said dial plate and arranged to pass into said magazine; means for securing said stud to said magazine; an operating shaft extending throughout the length of said hollow stud; a pointer on one extremity of said operating shaft and arranged to move along said time-indicating scale; an operating arm mounted on the other extremity of said shaft within said



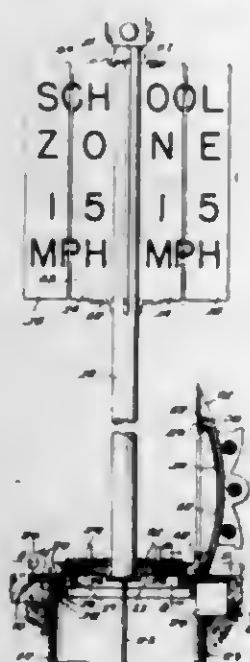
magazine and positioned to contact the film roll in said magazine to actuate said pointer; a toothed segment gear plate movably mounted on said shaft; means for causing said gear plate to move with said pointer; a toothed pinion rotatably mounted on said dial plate in mesh with said segment gear plate so as to be rotated by the latter; and audible signal means connected with and actuated by the rotation of said toothed pinion.

2,624,307

RETRACTABLE TRAFFIC SIGN

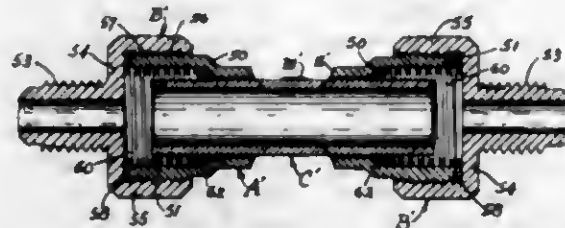
Howard E. Caffrey, Tucson, Ariz.

Application October 26, 1949, Serial No. 123,682
2 Claims. (Cl. 116-63)



1. In a disappearing traffic sign and signal, the combination which comprises a tubular well extended downwardly and positioned below the surface of the ground, a post having signs thereon and mounted on a base vertically slidable in the well and normally positioned within the well, means closing the well with the post and signs therein, manually actuated dogs carried by the base of the post for securing the post in an elevated position in the upper end of the well, and manually actuated screw means for raising and lowering the post in the well.

2,624,308
LIQUID FLOW INDICATOR
Albert Wittlin, Chicago, Ill.
Application August 21, 1948, Serial No. 45,533
6 Claims. (Cl. 116-117)



1. For use in the pipeline of a closed circulatory fluid system to show the rate of flow and the condition of the fluid, a liquid indicator designed to be located in said pipeline and having a straight liquid passage through which all the liquid of the system passes and which is devoid of turns, constrictions and obstructions offering resistance to the free flow of liquid through the indicator, said liquid indicator comprising a windowed tubular housing having a pair of outwardly slanted shoulders each in connection with an outset end portion defining an enlarged chamber interiorly thereof, a transparent cylinder coaxially positioned within the tubular housing in spaced relation thereto and having portions exposed exteriorly of the housing at the windows thereof and extending at opposite ends into the enlarged chambers but short of the outer ends thereof and forming passages around the ends of the transparent cylinder within the enlarged chambers for the passage of fluid under pressure, a pair of resilient gaskets surrounding the cylinder one adjacent each slanted shoulder, a pair of coiled springs one within each of the two chambers surrounding the cylinder and each spring in engagement at its inner end with one of the resilient gaskets, and a pair of heads interposed in the fluid system in screw-threaded connection with the tubular housing one at each end thereof and each in engagement with the outer end of one coiled spring to provide an abutment therefor whereby to place the spring under compression for exerting an inwardly directed axial pressure against the gasket to displace the same laterally against the cylinder and partially into the space between the cylinder and the housing to provide a floating mounting for the cylinder, the liquid passing through the indicator being free to pass around the cylinder ends to enter both chambers to exert pressure on the two gaskets to augment the pressure of the springs thereon.

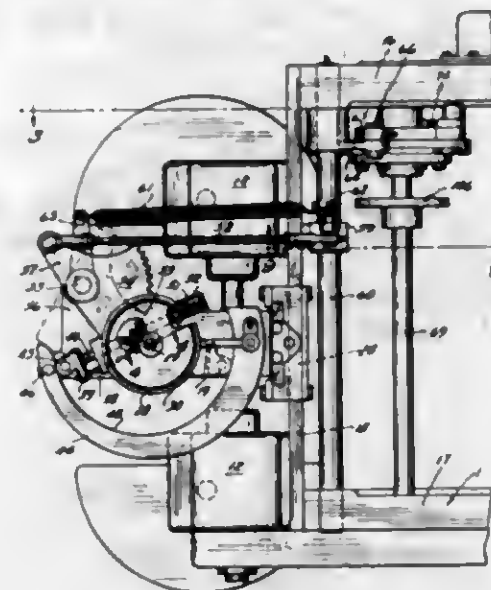
2,624,309

PASTING MECHANISM FOR BAG CLOSING AND SEALING MACHINES

Harold V. Kindseth, Minneapolis, Minn., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application November 13, 1950, Serial No. 195,447
12 Claims. (Cl. 118-8)

1. In a bag closing and sealing machine, means for supporting a filled bag, a paste applicator, said applicator comprising a reservoir, a pump, a pump plunger slidable in said pump, and a nozzle receiving paste under pressure from said pump and adapted to deliver the paste in a thin stream to the wall of said bag, means mounting said pump and nozzle for oscillatory movements whereby the paste is directed over a narrow elongated area of the bag wall, power driven mechanism for imparting oscillatory movements to said pump and nozzle, a stationary cam on said

mounting means, and a cooperating cam follower associated with said pump plunger for common movements therewith, oscillatory movements of



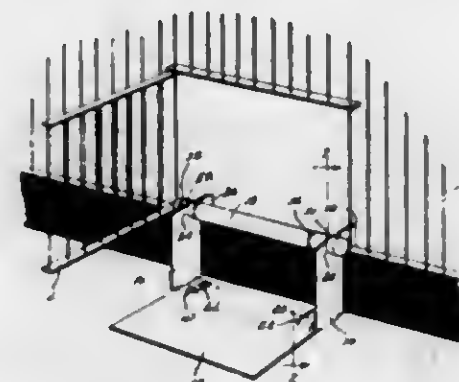
said pump and nozzle causing pumping movements to be imparted to said plunger by said cam.

2,624,310

BIRD CAGE ACCESSORY

Harry E. Smithson, Detroit, Mich.

Application April 11, 1950, Serial No. 155,143
2 Claims. (Cl. 119-17)



1. An attachment for a bird cage comprising, a floor, vertical supports detachably received in said floor, each at the opposite sides thereof, hooks on the rear edge of said supports, the upper edge of said supports having a notch, and a perch having spaced peripheral grooves to be received in the notches of said support.

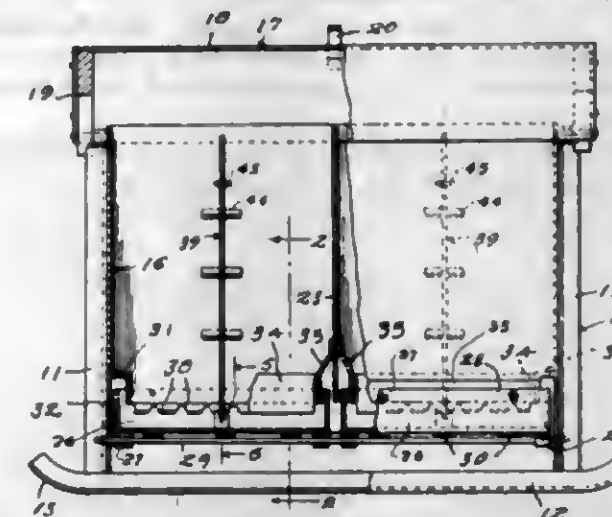
2,624,311

POULTRY FEEDER

Albert Amstutz, La Rue, Ohio

Application July 31, 1951, Serial No. 239,420
4 Claims. (Cl. 119-53.5)

1. A poultry feeder comprising a frame, a magazine carried by said frame, said magazine being open at the lower end thereof and having downwardly convergent side walls, a feed pan disposed beneath the open lower end of said magazine and having sides extending above the surrounding said magazine lower end, horizontal pan supporting pivot means centrally supported below said open lower end, a pair of agitating members disposed one on each side of said pivot means, the pivot means carrying the lower end of each member to said pan, said members extending upward-



means engaging said members and carried by said magazine.

2,624,312

MAGAZINE PENCIL

Samuel B. Harris, St. Petersburg, Fla.

Application January 16, 1950, Serial No. 138,814
1 Claim. (Cl. 120-14.3)



A magazine lead pencil having a hollow barrel formed with a writing tip and an open butt end, a lead magazine formed with radial lead channels in the barrel, an elongated slot formed longitudinally in the wall of the barrel from the said butt end, a member slidably mounted in the barrel formed with an opening therethrough the axis thereof being positioned parallel with respect to the axis of the barrel bore and extending substantially parallel to the axis of the slot, a shaft journaled in the said opening to rotate in the said member, said shaft at one end being non-axially centered with respect to the axis of the barrel bore, friction bearing means mounted on the said slidable member on each side of the opening preventing longitudinal movement of the shaft with respect to the said member so they move together along the barrel slot axis, a cam end on the slidable member inside the barrel, a lead gripping clutch non-axially mounted on the non-axially positioned end of the shaft, a quickly detachable joint coupling head on the opposite end of said shaft, a cap rotatably mounted on the rim of said butt end adapted to couple with the said clutch shaft coupling head, a star wheel carried inside the cap, a socket formed at the axis of the star wheel into which said coupling head couples and is adapted to snap when the said member is moved upward in the slot toward the cap, and a spring latch normally urged toward the star wheel to lock and unlock the cap against rotation with respect to the barrel, said slidable member with said cam end being movable to and from a position overlying and contacting the spring latch alternatively to cam the spring latch from the star wheel or to permit engagement between said latch and said wheel, thereby permitting rotation of the cap and the non-axially positioned end of the shaft with the non-axially centered lead gripping clutch for selective circular positioning of the said non-axially centered clutch in line with a radial lead channel in the lead magazine.

2,624,313

MECHANICAL PENCIL AND COLLET THEREFOR

Walter E. Jacobsen and Walter H. Jacobsen, Southampton, Pa., assignors to Prismatic, Inc., Southampton, Pa., a corporation of Pennsylvania

Application December 29, 1950, Serial No. 203,522
12 Claims. (Cl. 120—22)



1. In a mechanical pencil, a carrier, movable in and out, and a spiral spring collet mounted on the forward end of the carrier having throughout its length a free height at least twice the solid height, and having extension of the spring beyond the carrier to grasp a lead.

2,624,314

RETRACTABLE PEN

Walter B. Spatz, Sun Valley, Calif., assignor to Frawley Corporation, Los Angeles, Calif., a corporation of California

Application August 4, 1950, Serial No. 177,627
7 Claims. (Cl. 120—42.03)



1. In a writing implement; a case, a writing element having an inner end and an outer end, said element being longitudinally slidable in said case between extended and retracted positions, retracting means urging said element to said retracted position, a latch spring fixed in said case and having a latch end adapted to overlie and engage the inner end of said writing element to hold said element in its extended position, said latch end being movable in a substantially radial plane and in a direction transverse to said plane and being biased to seek a position in said plane overlying the inner end of said element, movable releasing means in said case arranged to engage said latch end and move the same outwardly in said plane clear of the inner end of said element to permit said retracting means to retract said element, a cam surface on said element adjacent said inner end, said latch end engaging said cam surface when said element is retracted and being guided thereby to a position alongside said ele-

ment but transversely displaced from said plane, movable projecting means in said case engageable with said element to move the same to its extended position whereupon said latch end is permitted to move transversely toward said plane to again overlie the inner end of said writing element substantially in said plane.

2,624,315

FOUNTAIN PEN

Karl Weissner, Cresskill, and David Kahn, Englewood, N. J., assignors to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey

Application September 6, 1949, Serial No. 114,082
22 Claims. (Cl. 120—42.13)



4. A writing instrument spacer and spring section for use in a writing instrument having a barrel member and a writing cartridge, said spacer section comprising opposed body members disposed from a center apex line at a dihedral angle, one with respect to the other, said spacer section being provided with resilient holding means extending downwardly from and at an angle to the lower portion of opposing body members, said holding means being adapted to engage the cartridge and hold the same against the inner wall of the barrel when the cartridge is in a retracted non-writing position, and when the cartridge is moved to writing position to exert pressure against the cartridge to assist in preventing upward displacement of the cartridge by writing pressure.

8. A writing instrument locking bar adapted to be assembled with the writing cartridge of a writing instrument and to form with said cartridge a unit for insertion into the barrel of a writing instrument, said locking bar having a lower shank portion and an upper portion, each of said portions being provided with a front wall and side walls, a laterally extending projection on said lower shank portion adapted to be finger operated, a second laterally extending projection on said upper portion, said second projection being provided with a front wall having a cam surface substantially uniformly inclined from the bottom portion of the front wall to the top portion thereof, said locking bar upper portion extending upwardly beyond said second lateral projection and being provided with gripping means facilitating the insertion of the unit and the withdrawal thereof from the barrel member, the width of the side walls of the locking bar above

said second lateral projection being less than the width of the side walls of the locking bar at the said second lateral projection.

2,624,316

CRAYON SHARPENER

Elias Blanco and Zachary Melnikoff, Los Angeles, Calif.

Application June 1, 1950, Serial No. 165,465
8 Claims. (Cl. 120—93)



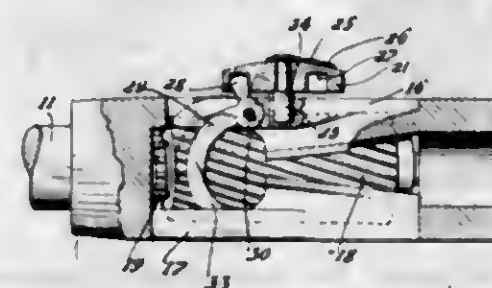
1. A sharpener comprising a shell member having an internal cylindrical portion, an internal sharpening element slidable in said shell, said element having one end with a conical opening, the conical opening having a side opening therein, a blade holder in the other end of said sharpener element, and a flexible blade having one end portion attached to and extending from said holder and having the other end portion extending over the edge of said side opening of said conical opening and lying in a plane through the axis of said sharpener.

2,624,317

PENCIL SHARPENER

Murry Tall, New Rochelle, N. Y.

Application September 7, 1949, Serial No. 114,310
20 Claims. (Cl. 120—96)



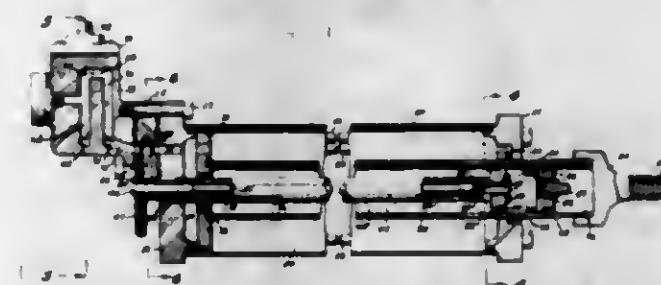
1. In a pencil sharpener, the combination with a pair of rotary cutters disposed with their axes at an acute angle to each other, of an adjustable stop for the point of a pencil being sharpened therein, said stop being positionable along the central axis between the cutters and movable transversely to such axis as its distance from the converging ends of the cutters, and in the direction of the diverging ends thereof, increases, said stop being of increasing thickness transversely to the increase of the clearance between the cutters as the stop is adjusted to positions at increasing distances from the converging ends of the cutters,

2,624,318

PNEUMATIC SERVOMOTOR

Robert B. Walder, Burbank, Calif., assignor, by mesne assignments, to Rheem Manufacturing Company, Richmond, Calif., a corporation of California

Application June 24, 1946, Serial No. 679,027
5 Claims. (Cl. 121—45)



1. A servomotor comprising a housing defining a cylindrical chamber with end walls, a piston disposed within said chamber and adapted for reciprocal movement therein, a second cylindrical housing and being formed with a passageway cured to said piston concentric therewith and adapted to reciprocate with said piston, said second cylindrical housing extending through one end wall of the first-named housing, a second piston positioned within said second cylindrical housing containing damping fluid and being communicating from one side to the other, said second piston being held motionless by a stationary connecting rod extending through the first-named piston and connected to the other end wall of the first-named housing, a movable wall disposed with at least one side communicating with said second cylindrical housing on the side of said second piston opposite said connecting rod and adapted to compensate for volumetric differentials, said second cylindrical housing having at its outer end a removable cap for providing access to the interior thereof, and a means on said cap to which a tool or fixture may be secured.

2,624,319

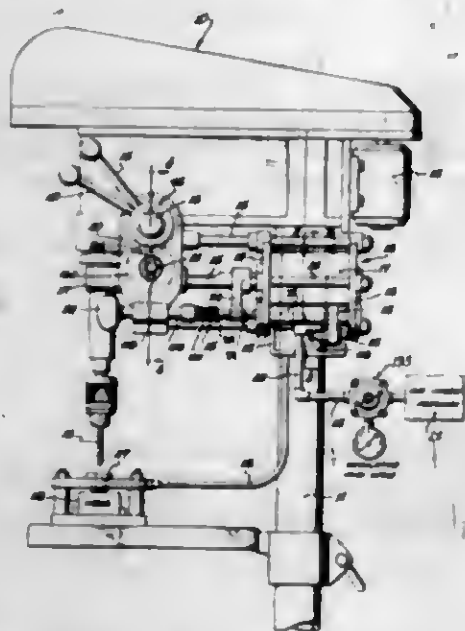
POWER FEED APPARATUS

Don Heyer, Los Angeles, Calif.

Application July 31, 1946, Serial No. 687,401
5 Claims. (Cl. 121—45)

1. Fluid actuated apparatus for a machine having a movable member, comprising: a power cylinder having a port near each end thereof; a piston movable in said cylinder; a shaft attached to said piston, extending outside said cylinder, and operatively arranged to actuate said movable member; a valve cylinder having an outlet port near each end thereof as well as an exhaust port, and an inlet port, each said outlet port being connected respectively to a corresponding port of said power cylinder, said inlet port being disposed intermediate said outlet ports, and being adapted for connection with a source of fluid under pressure; a valve piston operable in said valve cylinder to control passage of fluid from said inlet port to said outlet ports respectively, and between said outlet ports and said exhaust ports respectively; a valve shaft attached to said valve piston, and extending outside said valve cylinder to a region near said machine for operation by the shaft

attached to said piston; a valve sleeve slidable in said valve cylinder to control application of fluid from said inlet port to said piston for



effecting operation of said piston in said valve cylinder; and means effective to slide said sleeve in said valve cylinder.

2,624,320

PRESSURE FLUID MOTOR WITH MOVEMENT LIMIT VALVE THEREFOR

Norman C. Williams, Portland, Oreg., assignor to Power Brake Equipment Co., Portland, Oreg., a company

Application December 10, 1949, Serial No. 132,251
9 Claims. (Cl. 121-46)



1. A limit valve for limiting the lift of a fluid pressure expansible two part chamber lifting device comprising, a fixed part, a movable part, a valve body, said valve body connected to said movable part, an inner fluid pressure chamber in said movable part, air pressure supply means for said expansible chamber, a pressure supply port, a tubular portion depending from said valve body provided with a bore, the inner end of which is in communication with said fluid pressure chamber, a movable rod valve mounted within said bore and sensitive to pressure therein, an abutting support for the outer end of said valve against the fixed part and a vent in the median portion of the bore that will be uncovered by the rod valve when the valve body has been lifted a predetermined amount.

2,624,321

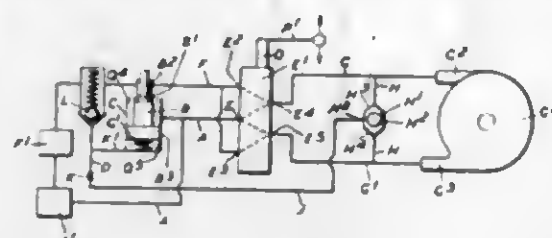
CONTROL SYSTEM FOR REVERSIBLE HYDRAULIC MOTORS

Francis Benjamin Levettus, Allesley, Coventry, England, assignor to The Keelavite Company Limited, Allesley, Coventry, England, a company of Great Britain

Application June 28, 1951, Serial No. 234,067
In Great Britain April 24, 1950
7 Claims. (Cl. 121-46.5)

1. A control system for a reversible hydraulic motor having inlet and outlet ports the func-

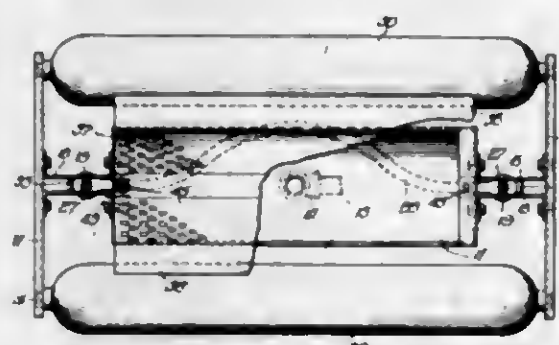
tions of which are reversed to reverse the motor, comprising a pressure supply passage arranged to be connected to a source of hydraulic pressure, a reversing valve controlling the flow of liquid to the motor from the pressure supply passage and from the motor to a relief passage or reservoir and arranged so that in a neutral position it connects each of the ports of the motor, to a relief passage while when moved from such neutral position in one direction or the other, it progressively disconnects one or other of the ports of the motor from its relief passage and connects that port to the pressure supply passage, a pressure-responsive relief valve in the pressure supply



2,624,322

BOILER SKIMMER

Arthur A. Gleason, Chicago, Ill.
Application March 16, 1951, Serial No. 215,975
4 Claims. (Cl. 122-389)



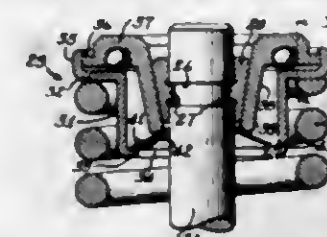
1. In a skimmer for removing suspended and dissolved solids from fluids in boilers and the like, an elongated trough, a conduit leading from the lower portion of the trough, spaced connecting members extending from each end of the trough, cross frame members connected to the ends of the connecting members, said cross frame members being longer than the width of the trough, elongated float members extending parallel with and spaced from the edges of the trough and connected at each end to the cross frame members, and a screen located above the trough, said screen being generally V-shaped in cross section with the center of the V extending along adjacent the center line of the top of the trough and its side portions located above and spaced from the trough.

2,624,323

VALVE ROTATING ASSEMBLY

Marion F. Thorne, South Euclid, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application July 22, 1950, Serial No. 175,351
16 Claims. (Cl. 123-90)



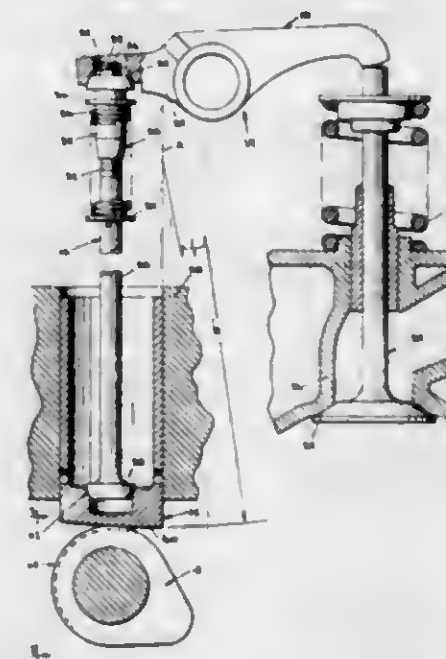
2. A valve rotating device comprising a collar having a first radially outwardly extending flange portion at one end thereof to seat a valve spring and a second radially inwardly extending flange portion at the other end thereof, a retainer cap constructed to be locked to the end of a valve stem and having a flange portion at one end thereof received by said first flange portion of said collar, a resilient member between the second flange portion of said collar and said cap to transmit normal spring loading from said collar through said resilient member, through said cap and to the valve stem, and a plurality of shiftable members between said flange portions of said collar and said cap constructed to transmit increased loads to said cap and to rotatively drive said cap relative to said collar whenever said resilient member is deflected under an increased load.

2,624,324

VALVE GEAR LENGTH COMPENSATION

Robert C. Russell, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application September 25, 1951, Serial No. 248,135
13 Claims. (Cl. 123-90)



1. A valve operating mechanism comprising threadingly engaged screw and nut members, a spring normally biasing the members apart, a rotatable cam including a ramp portion and a base circle portion, said base circle portion presenting a peripheral flange of narrower width than the remaining contact engaging surface of the cam offset to one side of a plane passing through the median of the remaining contact

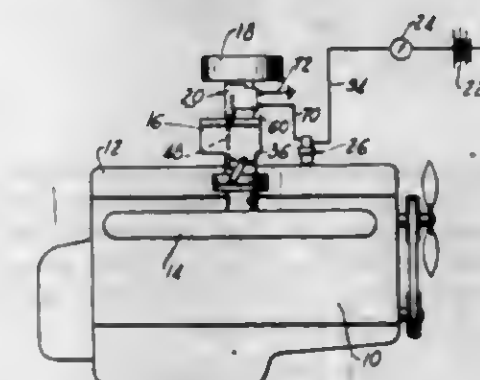
engaging surface of the cam, and reciprocable and rotatable means, reciprocable along an axis substantially at right angle to the axis of rotation of the cam, frictionally connected to one of the threadingly engaged screw and nut members having a cam contacting surface engageable with the surface of the cam with the axis of the means offset to one side of the flange of the cam, said cam contacting surface on the means being angularly offset a small amount to a plane normal to the axis of the means and curved in the direction of the angularity, said angularity being equal to or greater than the angular variation from true right angular relation between the axes of the means and cam.

2,624,325

CARBURETOR CONTROL MECHANISM

Guy C. Fricke and David J. Schaffer, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 1, 1950, Serial No. 171,626
9 Claims. (Cl. 123-119)



1. A control for an engine carburetor having a choke valve and a shaft for said valve, comprising a lever on said shaft, a solenoid for urging said valve toward closed position, a member actuated by said solenoid, a yieldable means connecting said member to said lever, a vacuum responsive means connected to said lever for urging said valve in the opening direction, a circuit for said solenoid, and a means responsive to some engine temperature for controlling the current through said circuit.

2,624,326

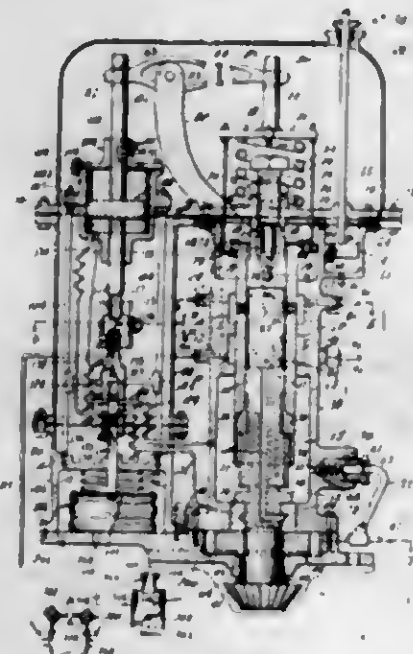
INJECTION SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Harlan N. Flier, Pittsburgh, Pa.

Application November 5, 1947, Serial No. 784,137
7 Claims. (Cl. 123-139)

1. In an internal combustion engine having a plurality of work cylinders, a crank shaft and an air intake manifold provided with air metering means, a fuel injection system comprising pump means receiving fuel from a supply line and delivering it under pressure in quantities at all times substantially in excess of those necessary to be injected into the work cylinders, drive means for positively motivating said pump by said crank shaft, fuel metering means rotatable with said pump means receiving fuel from said pump and regulating the amount delivered to the work cylinders, by-pass means between the pump and the fuel metering means removing a portion of the fuel delivered by the pump, piston means receiving the fuel from the by-pass means and actuated thereby, connections between said piston means and said fuel metering means so con-

structed and arranged that when an increased quantity of fuel enters the by-pass means the fuel metering means permits a greater quantity of fuel to enter the work cylinders, valve means in the by-pass means regulating the amount of fuel passing through the by-pass means, control

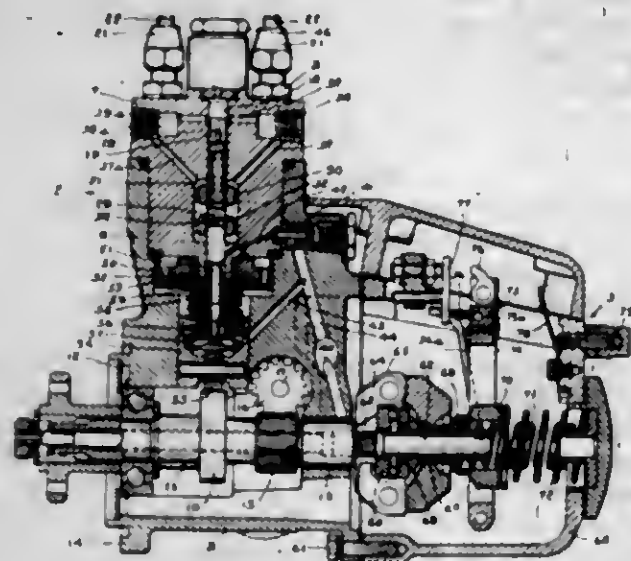


means regulating the position of the valve means, said control means being responsive to the amount of air passing through the air metering means and manually operable ratio varying means regulating the amount of fuel relative to that of air supplied to the work cylinders.

2,624,327

FUEL INJECTION APPARATUS

Hans Hogeman, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application March 30, 1950, Serial No. 152,967
12 Claims. (Cl. 123-140)

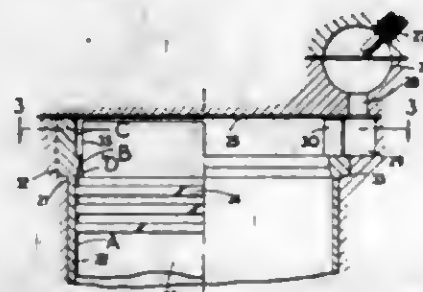


1. In a device of the character described, a bore, a plunger in said bore, a spill groove in said plunger, a quantity control member surrounding said plunger, a separate injection timing member surrounding said plunger and means whereby said quantity control member and said timing member may be independently adjusted or simultaneously adjusted to adjust the injection timing of the pump.

2,624,328

INTERNAL-COMBUSTION ENGINE

Edward G. Grinham and Henry G. Webster, Coventry, England, assignors to The Standard Motor Company Limited, Coventry, England
Application August 3, 1950, Serial No. 177,428
In Great Britain October 21, 1949
5 Claims. (Cl. 123-193)

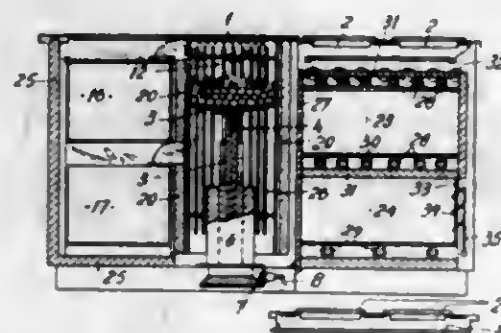


1. In an internal combustion engine, a cylinder having a bore formed with a constricted area intermediate its ends and disposed adjacent the upper end thereof and a piston working in the bore and having its upper end formed of a reduced diameter from the rest of the piston, said upper end being adapted to pass with clearance through the constricted area.

2,624,329

KITCHEN RANGE

Edouard Ernst, Zurich, Switzerland
Application July 17, 1946, Serial No. 684,327
In Switzerland April 15, 1943
2 Claims. (Cl. 126-34)

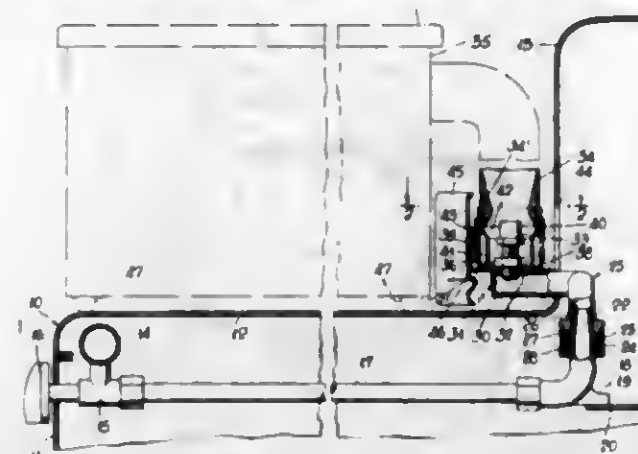


1. A kitchen range comprising in combination, a cooking surface; a fire grate located beneath said cooking surface, said fire grate having a first side adjacent to said cooking surface and a second side distant from said cooking surface and said fire grate having a plurality of projections located at the outer periphery thereof; means for moving said fire grate toward and away from said cooking surface; a hot water receptacle mounted about said fire grate and spaced therefrom, said receptacle extending from said cooking surface toward said fire grate and extending a substantial distance beyond said second side of said fire grate; a plurality of bars mounted between said grate and receptacle in substantially parallel relation with respect to said receptacle and spaced therefrom, said bars being spaced from each other so as to provide spaces therebetween and said bars also extending from said cooking surface toward said grate and extending a substantial distance beyond said second side of said grate, the said projections of said fire grate extending into said spaces between said bars, whereby said projections, by movement of said grate, remove any material located between said bars so as to prevent the accumulation of such material, and whereby said bars prevent the material being burned on said fire grate from contacting said receptacle.

2,624,330

GAS SUPPLY FOR AUXILIARY APPLIANCES

Walter Kennedy, Cliffside Park, N. J.
Application November 5, 1948, Serial No. 58,569
9 Claims. (Cl. 126-39)

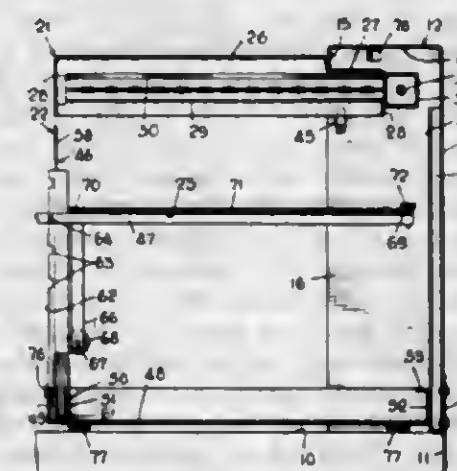


1. In gas ranges having a raised hood-like structure extending above the upper surface of the range at the rear thereof, said hood-like structure having a front wall with an opening therein, means comprising a horizontally swinging arm mounted in the range and normally contained within said hood structure and adapted to extend through the opening therein for providing a gas supply for an auxiliary appliance, said means including a valve controlled gas supply tube coupled with the conventional gas supply means of the range, said arm including a gas discharge nozzle, a bracket carried by said arm, a door on said bracket for closing the opening in said hood when the arm is in inoperative position, and said arm having a cup encircling said nozzle for the reception of a gas supply pipe of an auxiliary appliance.

2,624,331

BROILER FOR STOVES AND RANGES

Walter Kennedy, Cliffside Park, N. J.
Application March 29, 1949, Serial No. 84,068
8 Claims. (Cl. 126-41)



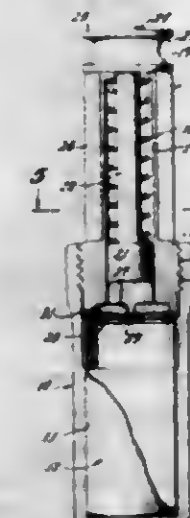
3. A broiler unit for apparatus of the character described, a hood-like frame comprising back, top and side walls, the top and side walls being of the same width, the front of said frame having a rectangular opening, means directly pivoting the broiler unit within the top portion of the frame to swing from a collapsed vertical position within boundaries of the top and side walls into a usable horizontal position outwardly of the frame above and in spaced relation to the top wall of an apparatus in connection with which the unit is mounted, means controlling operation of said broiler unit, means on the side walls of the frame for supporting said unit in

horizontal position, and rectangular means detachable with the frame forming a complete closure for the rectangular opening of the frame when said unit is collapsed in vertical position within said frame.

2,624,332

HEATING DEVICE

Delmer T. Lang, Palos Verdes Estates, Calif.
Application June 1, 1951, Serial No. 229,339
3 Claims. (Cl. 126-263)



1. A device of the type described, comprising: a receptacle presenting a chamber open at one end for receiving and holding an autogenous heating cartridge having a percussion primer for igniting a combustible charge held thereby, the wall of said chamber being formed with threads adjacent the open end thereof; a handle element having external threads adjacent one end thereof for engagement with the internal threads of said receptacle for coaxially mounting said handle element to said receptacle; a pin slidably carried by said handle element; resilient means for normally holding said pin in an extended position; an actuator knob; means connecting said knob to said pin, said knob adapted for hand engagement to retract said pin within said handle element whereby when said knob is released said resilient means quickly returns said pin to its normal position to exert a percussive force on said primer to thereby ignite said combustible charge, said handle element, after removal of a spent cartridge, being telescopically mountable within said receptacle and held therein by engagement of the external threads thereof with the internal threads of said receptacle.

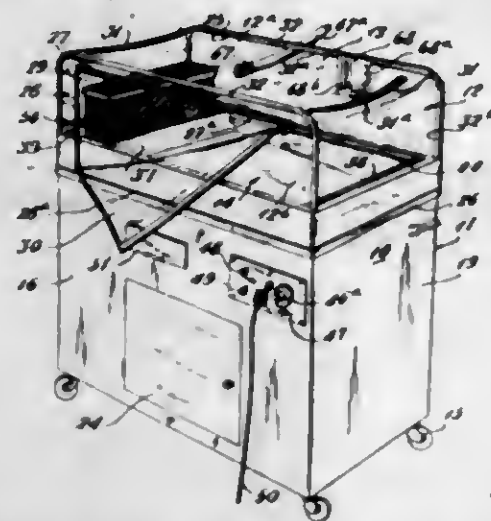
2,624,333

INFANT INCUBATOR

Edward C. Dixon, Rocky River, and William E. Chilton, Cleveland, Ohio, assignors to Continental Hospital Service, Inc., Lakewood, Ohio, a corporation of Ohio
Application October 25, 1950, Serial No. 192,016
8 Claims. (Cl. 128-1)

1. In an infant incubator, a housing having walls including upright side walls defining an open-top incubation chamber, upwardly arched frame means mounted on said side walls and extending above said incubation chamber, a canopy comprising transparent flexible sheet material and having top and side walls and a bottom opening, said canopy being telescoped over said frame means and removably supported thereby in distended relation over said incubation chamber and having its lower edge portions extending down-

wardly in overlapping relation to the side walls of said housing, and bed means in said incubation chamber for supporting an infant therein at



an elevation such that the infant will be visible through the side walls of said canopy from at least three lateral directions.

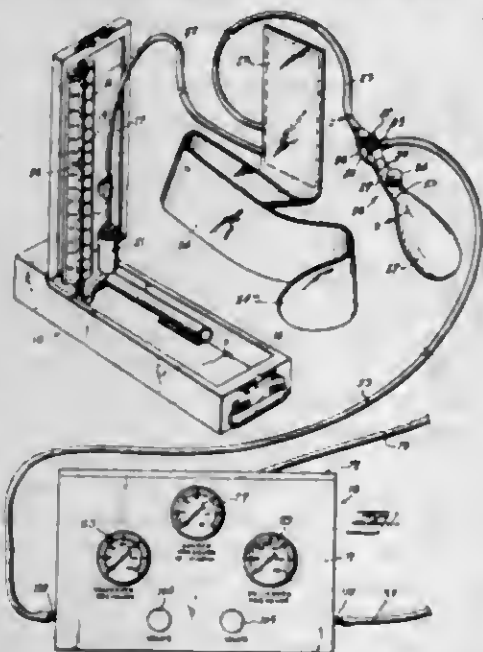
2,624,334

BLOOD PRESSURE TAKING DEVICE

Charles Epstein, New York, N. Y.

Application September 11, 1951, Serial No. 246,035

10 Claims. (Cl. 128-2.05)



1. A device for taking blood pressures comprising a manometer having a measuring tube connected by a flexible tube to a pressure bag of an armlet for engagement about a patient's arm, a flexible inlet tube extending from said pressure bag, a valve unit mounted on the free end of said inlet tube, a manually compressible bulb mounted on said valve unit, a hose connecting said valve unit to a source of air under pressure, and a control unit for controlling the flow of air from said source of air under pressure to said pressure bag through said valve unit said compressible bulb and said air pressure source being connected to said pressure bag to alternately supply fluid thereto.

2,624,335

VIBRATORY MASSAGE DEVICE

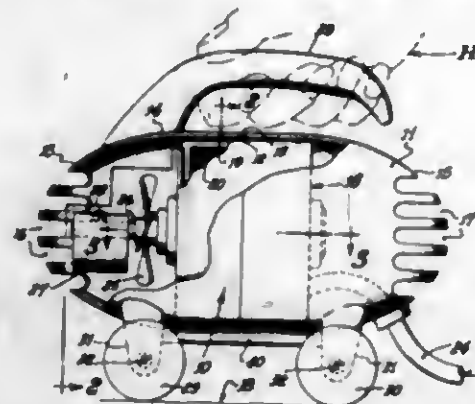
Casper J. Miller, Los Angeles, Calif.

Application October 13, 1951, Serial No. 251,189

4 Claims. (Cl. 128-36)

4. In a massage device: an elongate housing; a plurality of spaced brackets depending from

said housing; a plurality of plant, elastic rollers rotatably carried by said brackets, said rollers being rotatable about axes generally parallel to one another; means rotatable within said housing for vibrating said housing, brackets and



rollers; and means on and spaced below said housing for receiving a strap extending transversely of the longitudinal axis of said housing for moving said housing and rollers along a person's body.

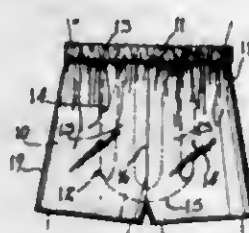
2,624,336

SUSPENSORY SUPPORT FOR MEN'S GARMENTS

Harry L. Hansley, Miami, Fla.

Application December 9, 1949, Serial No. 132,158

2 Claims. (Cl. 128-159)



1. A suspensory support mounted within a man's garment having a front portion including a fly opening, a back portion, a crotch area between the portions and a waistband, comprising a one-piece fabric member having an intermediate portion positioned within the crotch area, a pair of rear extension arms extended from the rear of said intermediate support portion and upward along the inner face of the back portion and secured at their top ends to the waistband, and a pair of outwardly flared front extension arms continuing from the front of said intermediate support portion, said front extension arms being drawn inward and projected substantially vertically within the inner face of the front portion on opposite sides of the fly opening to raise the outer sides of said intermediate support portion forming a pocket thereof, said front extension arms having their top ends secured to the waistband and their inner edges secured to the inner face of the front portion on opposite sides of the fly opening.

2,624,337

EQUIPMENT FOR TREATMENT OF RESPIRATORY AILMENTS

Samuel Y. Gibbon, Jenkintown, Pa., assignor to Air-Shields, Inc., Hatboro, Pa., a corporation of Delaware

Application May 15, 1950, Serial No. 162,111

10 Claims. (Cl. 128-186)

1. Apparatus for treatment of respiratory ailments including a rigid wall structure, equipment supported thereon including an upright duct hav-

ing a passage through the upper portion of the wall structure, an enclosed recirculation connection having an opening through said wall into

folded sheet forming the receptacle, and means securing the opposite end of the belt to the opposite end of the folded sheet forming the re-



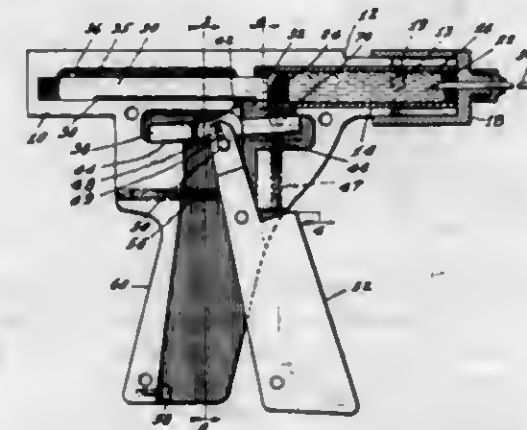
2,624,338

DISPENSING GUN

Frank C. Moore, Louisville, Ky., and William Earl Mattox, Indianapolis, Ind.

Application October 31, 1950, Serial No. 193,194

10 Claims. (Cl. 128-218)



1. A dispensing gun comprising a cartridge-receiving barrel, a plunger adapted to be advanced in a cartridge received in said barrel, intermittently operable trigger-actuated mechanism to impose dispensing force on said plunger to advance it in said cartridge, plunger-holding means having limited lost-motion retraction movement, said retraction movement being opposed by less force than that imposed on the plunger by said trigger-actuated mechanism.

2,624,339

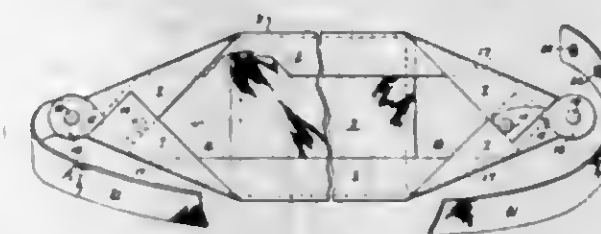
SURGICAL APPLIANCE

Litta C. Booth, Santa Maria, Calif.

Application January 8, 1951, Serial No. 204,959

5 Claims. (Cl. 128-283)

2. A surgical appliance constituting a receptacle for a pad of absorbent material and comprising a sheet of moisture resistant material folded to form the receptacle, fastener elements fixed adjacent edges of the sheet and lying in interengaging alignment in the folded condition of the sheet forming said receptacle, a belt, means securing one end of the belt to one end of the



ceptacle including a stiff anchor plate of solid and non-absorbent material detachably engaging the receptacle in one of its folded ends.

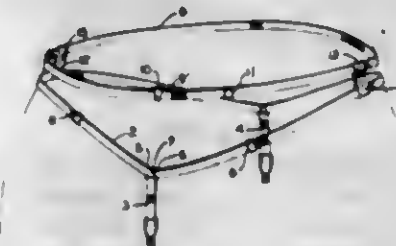
2,624,340

SANITARY BELT

Rose M. Seals, Newport, Ky.

Application January 24, 1952, Serial No. 268,029

8 Claims. (Cl. 128-291)



1. A sanitary belt comprising an elastic band having two opposite ends connecting together, each end being adjustable to vary the girth of said band, a supplementary elastic band having its opposite ends connected together, one end, at least, being adjustable to vary the girth of said band, and a plurality of connectors disposed about the bands in circumferentially spaced relation with opposite end portions slidably connected with said bands to permit free relative movement of the bands in respect to each other and the connectors.

2,624,341

CATHETER

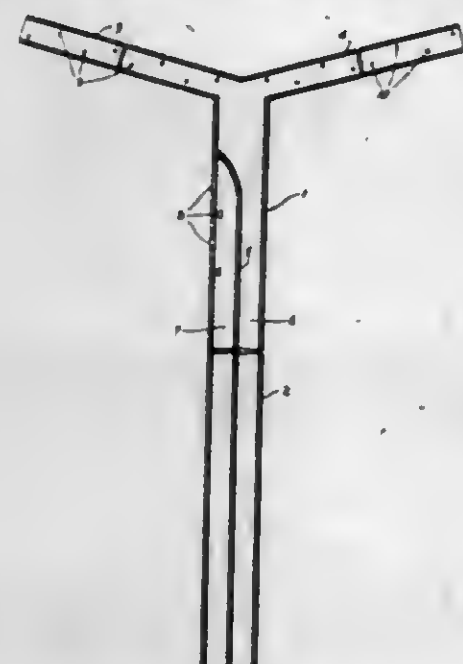
Frederick Joseph Wallace, New York, N. Y., assignor to American Cystoscope Makers, Inc., New York, N. Y., a corporation of New York

Application July 18, 1950, Serial No. 174,413

4 Claims. (Cl. 128-350)

1. In a catheter of the character described, first, second and third flexible tubular members, a partition having its major portion disposed longitudinally along the interior of the first member and dividing the same into a through passage and a blind passage that terminates rearwardly of the forward end of the first member, the first member having a plurality of openings in its wall establishing direct communication between the exterior thereof and the blind passage, said second and third members being connected

to the forward end of the first member and communicating with the through passage, said second

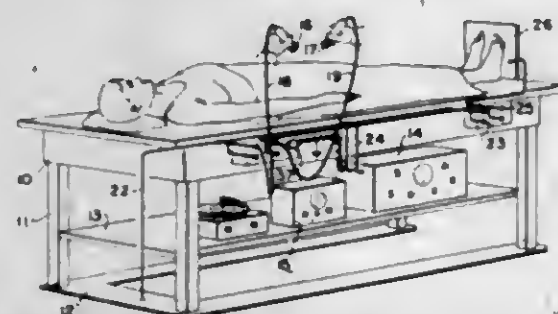


and third members extending beyond opposite sides of the first member.

2,624,342

ELECTROTHERAPEUTIC DEVICE

Joseph P. Di Perna, Fort Worth, Tex.
Application January 18, 1950, Serial No. 139,283
3 Claims. (Cl. 128-422)



1. In an electro-therapeutic device, the combination of a radio frequency amplifier including an intermediate frequency transformer, a demodulator connected with the secondary winding of said transformer, an audio amplifier connected with the plate circuit of said demodulator, a frequency control circuit connected with said plate circuit of said demodulator and with the plate circuit of said audio amplifier, an audio output transformer included in said plate circuit of said audio amplifier, and applicator electrodes respectively connected with the ends of the secondary winding of the last said transformer.

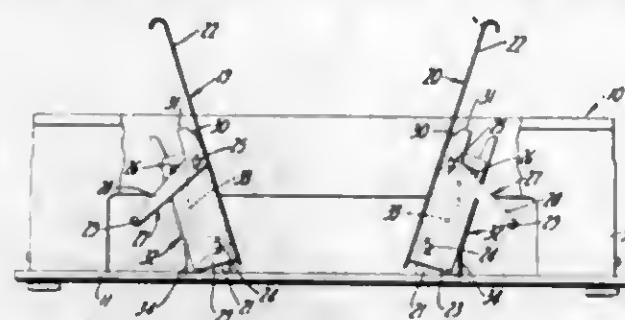
2,624,343

LEDGER TRAY

Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation.
Continuation of application Serial No. 698,888, September 23, 1946. This application February 25, 1950, Serial No. 146,351
2 Claims. (Cl. 129-28)

1. In a ledger tray, a base, a member slidable on said base, a bracket carried by said member, a plate pivotally mounted on said bracket for pivotal movement about an axis adjacent said member, a bodily stationary pivot pin supported by the bracket at a point above, spaced from and parallel to the pivotal axis of the plate, said plate having a rearwardly extending flange arcuately

slotted to receive said bodily stationary pivot pin and serving to limit forward movement of the plate, and a lever pivotally mounted intermediate its ends on the pivot pin and having a handle

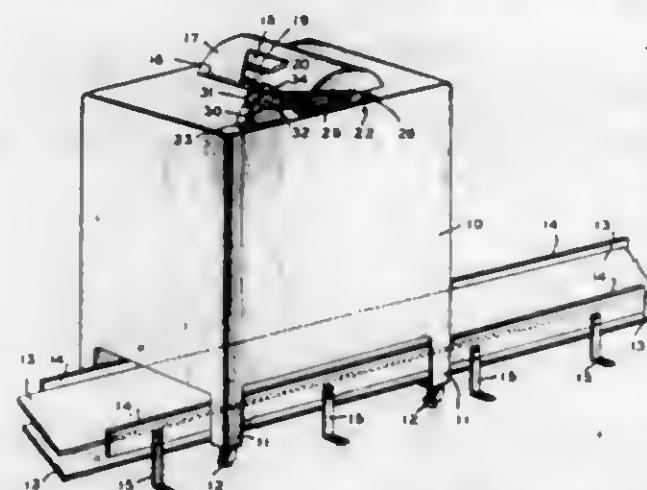


formed at one end thereof and a cam formed at its opposite end engageable with said plate to control the angular relation thereof with respect to said bracket and member.

2,624,344

TOBACCO STEMMER

Stanley Hathaway, Greenville, N. C.
Application March 8, 1948, Serial No. 13,600
1 Claim. (Cl. 131-130)



A device for stripping the leaf portions of tobacco from the stems, comprising a platform having a substantially flat surface with a substantially rectangular opening therein, a reel rotatably mounted in said opening, a housing extending upwardly from the platform around the upper portion of said reel, said reel having fingers projecting therefrom with the ends thereof slightly spaced from the edges of said substantially rectangular opening and the inner wall surface of said housing, said housing having a substantially triangular-shaped opening, one of the apices thereof being at the level of the platform and the opposite side from said apex being substantially parallel to the platform, the width of said side being of a dimension substantially corresponding to the width of a hand of tobacco whereby said hand of tobacco may be held above the platform with a portion of said hand substantially within the boundaries of the opening so that the rotating fingers will engage the leaves, strip them from the stem, and dispose them within the housing.

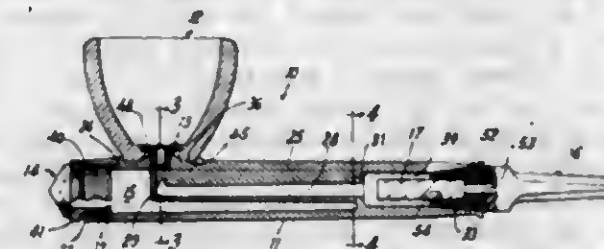
2,624,345

SMOKING PIPE

Jacob R. Rosenthal, New York, N. Y.
Application November 13, 1948, Serial No. 59,800
2 Claims. (Cl. 131-194)

1. A smoking pipe comprising a hollow stem, said stem having an internal transverse partition

dividing the hollow portion into a pocket and a chamber, said chamber being open at its front end, a closure member detachably attached thereto and said pocket being open at its rear end, a mouthpiece removably mounted in the rear end of the pocket, said stem having a longitudinal web depending from its upper wall dividing the

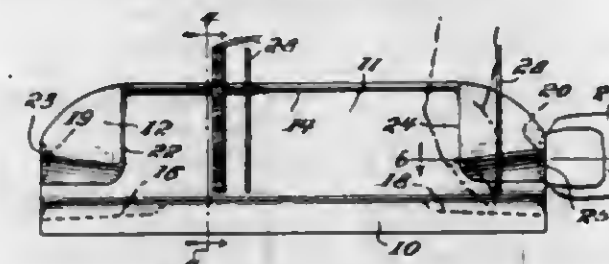


chamber into two spaced channels, said web having a longitudinal bore communicating with the pocket and a transverse bore to the exterior surface of the stem, said stem having a bowl thereon, and a hollow screw connecting the bowl and stem and forming a passage from the bowl to the transverse bore.

2,624,346

BOBBY PIN HOLDER

Peterson A. Epps, Jr., Richmond, Va.
Application November 8, 1950, Serial No. 194,655
3 Claims. (Cl. 132-1)



1. A bobby pin holder comprising a base having a vertically disposed web with wedge shaped portions on the side surfaces of the ends of the web and with a bead on the upper edge of the web to retain the pins thereon and said wedge shaped portions being extended upwardly and outwardly of the plane of the web.

2,624,347

METHOD OF WAVING HAIR

Rose E. Melaro, Oakmont, Pa.
No Drawing. Original application November 9, 1945, Serial No. 627,630. Divided and this application July 1, 1947, Serial No. 758,495
1 Claim. (Cl. 132-7)

The method of applying an oil permanent wave to human hair which consists in the successive steps of wetting a strand of hair with a permanent wave solution, saturating pads with oil, placing the oil saturated pads on the wetted strand of hair to retain and directly apply the oil to the hair, winding the strand of hair together with the oil saturated pads about a mandrel, oxidizing the permanent wave solution in the wound strand of hair, the hair absorbing the oil to nourish and revitalize the same, and again applying oil to the wound strand after the oxidizing step.

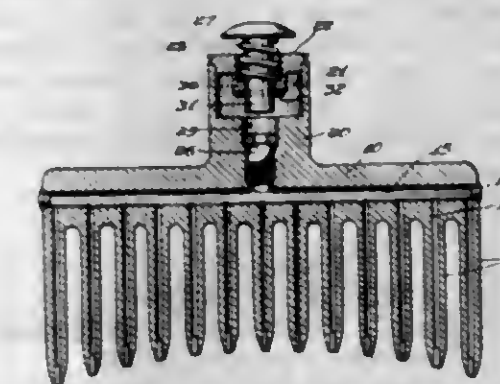
2,624,348

FOUNTAIN COMB

Charles I. Matson, Chicago, Ill.
Application November 14, 1949, Serial No. 127,004
3 Claims. (Cl. 132-13)

1. A fountain comb having a head with a longitudinal bore, teeth with ducts leading from said

bore to the tips of the teeth, a reservoir for a fluid carried by said head and having communication with said bore, and control means to feed said fluid from the reservoir into said bore by manual operation, said reservoir comprising a receptacle open at its outer end, a closure cap for said receptacle and formed with a sunken portion having a bore into the receptacle, and said control means including a plunger disposed slidably in the bore of the closure cap and formed with a finger button at its outer end, a compression spring coiled around the plunger between said sunken portion and button to influence the plunger in an outward direction, and a stop carried by the inner end portion of the plunger to check said influence.

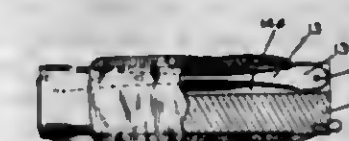


3. A fountain comb having a head with a chamber designed to contain a fluid subject to pressure, teeth with ducts leading from said chamber to the tips of the teeth, and inserts in said ducts of a consistency normally checking leakage of the fluid from said teeth but penetratable by the fluid to feed it through said tips when the fluid is under pressure, said inserts being spongy plugs coated around their sides with a hard material to facilitate driving them into said ducts.

2,624,349

PERMANENT WAVING ROD

Elmer Swenson, Moorhead, Minn.
Application August 19, 1948, Serial No. 45,169
5 Claims. (Cl. 132-42)



1. A curling device for human hair comprising a thin rod circular in cross section and straight throughout its length and about which the outer end portion of a lock of hair is adapted to be coiled and form a tight curl, and a second rod circular in cross section and of a great deal greater diameter than the first rod, the second rod being also straight throughout its length and formed with a recess in one side portion extending longitudinally thereof and open along its outer side, the said recess being of a depth less than a radius of the large rod and of a width adapting the first rod and hair wound thereabout to be fitted into the recess and the remainder of the said lock of hair wrapped about the second rod and the enclosed first rod and form a large curl, and an elastic binder strand fixed to one end of one rod and constituting means for securing hair curled about the said rods.

2,624,350

HAIR CURLER

Lucille King, Bartow, Fla.

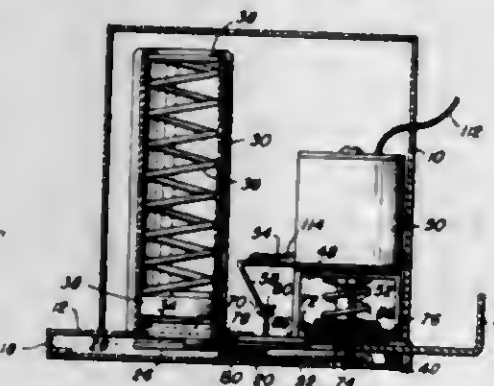
Application January 9, 1952, Serial No. 265,566
4 Claims. (Cl. 132-41)

1. A hair curler comprising a relatively flat base plate, a core extending upwardly from one side of the base plate and on which hair is adapted to be wound, means providing rotatable connection between the core and the base plate, a clamping arm pivoted to the plate, said core having means cooperating with the clamping arm whereby said core will be held against rotation, said clamping arm and said base plate having cooperating means for releasably latching the clamping arm to said base plate.

2,624,351

COIN DISPENSER

Justin H. Smith, Claremont, and Robert S. Barrett, Walpole, N. H.

Application September 13, 1948, Serial No. 48,946
6 Claims. (Cl. 133-5)

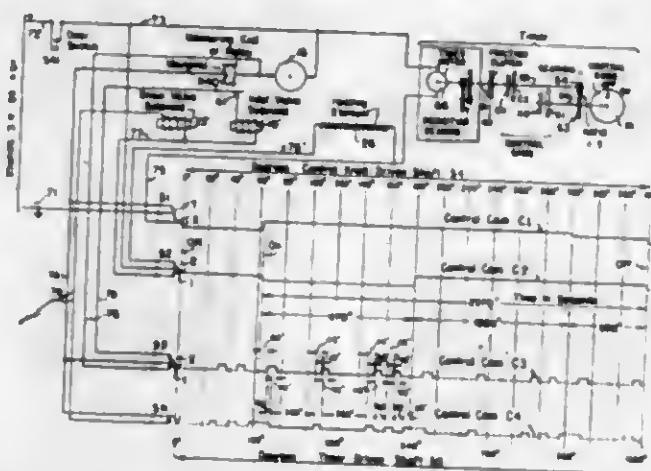
1. A coin dispenser comprising a housing having a forward wall, a slidable closure carried by said forward wall, coin containers mounted in said housing and having forward open ends fixed to said forward wall, said forward wall having a plurality of openings in registry with the open ends of said containers, a plurality of slidable members carried by said forward wall and located between said closure and said forward wall for ejecting coins from said containers, a solenoid having an operating core, means normally urging said operating core outwardly of said solenoid and through said forward wall, means carried by said closure lockably receiving said core, means carried by each of said members engageable with said core for limiting sliding movement of said members in either direction, a switch controlling said solenoid, and means carried by said members for actuating said switch to retract said core when said solenoid is energized.

2,624,352

CONTROL CIRCUITS FOR DISHWASHING APPARATUSDouglas F. Illian, Oak Park, Ill., assignor to Hot-point Inc., a corporation of New York
Application May 7, 1949, Serial No. 91,906
5 Claims. (Cl. 134-57)

3. In dishwashing apparatus including a vat, an inlet valve for controlling the admission of washing fluid into said vat, said inlet valve be-

ing normally biased into its closed position, a first solenoid for operating said inlet valve into its open position, a drain valve for controlling the draining of washing fluid from said vat, said drain valve being normally biased into its open position, a second solenoid for operating said drain valve into its closed position, an electric drive motor for circulating washing fluid in said vat, and an electric heater for drying dishes in said vat; a circuit control network comprising a source of current supply, a rotatable circuit controller having an off position and an on position and a plurality of control positions and rotatable continuously from its off position into its on position and then through its control positions back into its off position, a manually rotatable member for rotating said circuit controller from its off position into its on position, means including an electric timer motor for rotating said circuit controller at a predetermined rate from its on position through its control positions back into its off position, a timer switch responsive to rotation of said circuit controller into its on position for connecting said timer motor to said



source to initiate operation thereof and responsive to rotation of said circuit controller into its off position for disconnecting said timer motor from said source to arrest operation thereof, a double-throw switch having first and second contacts, a plurality of pairs of switching contacts, means responsive to rotation of said circuit controller through its various control positions for selectively operating said double-throw switch and for selectively opening and closing said pairs of switching contacts, a first control circuit for selectively operating said first solenoid and including said source and said first contacts of said double-throw switch and a first of said pairs of switching contacts, a second control circuit for selectively operating said second solenoid and including said source and said first contacts of said double-throw switch and a second of said pairs of switching contacts, a third control circuit for selectively operating said drive motor and including said source and said timer switch, and a fourth control circuit for selectively energizing said heater and including said source and said timer switch and said second contacts of said double-throw switch.

2,624,353

APPARATUS FOR SALVAGING BEEHIVE FRAMES AND BEESWAX

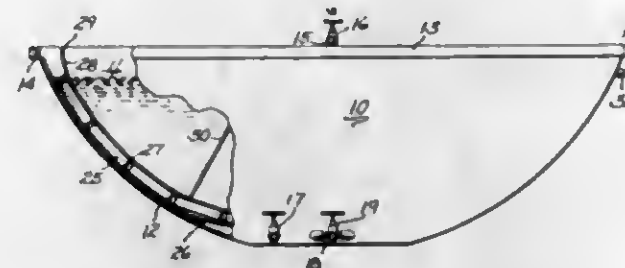
John M. Thom, Haines, Oreg.

Application March 4, 1949, Serial No. 79,635
3 Claims. (Cl. 134-94)

1. Apparatus for salvaging beehive frames in such manner as to salvage beeswax therefrom,

comprising a tank in which a body of water may be maintained in heated condition, first guiding means extending downwardly and then upwardly along a curved path from one edge portion of the tank to an opposed edge portion, second guiding means horizontally spaced from and parallel to said first guiding means, said guiding

plurality of hose connections emanating from said manifold for attachment to coolers to be cleaned.



means being adapted to guide a series of beehive frames therebetween, an overflow outlet adjacent the ends of said guiding means at one side of the tank, and a baffle near said outlet extending upwardly from adjacent said guiding means to a level above said outlet, said baffle separating a portion of the tank adjacent said outlet from the remainder thereof.

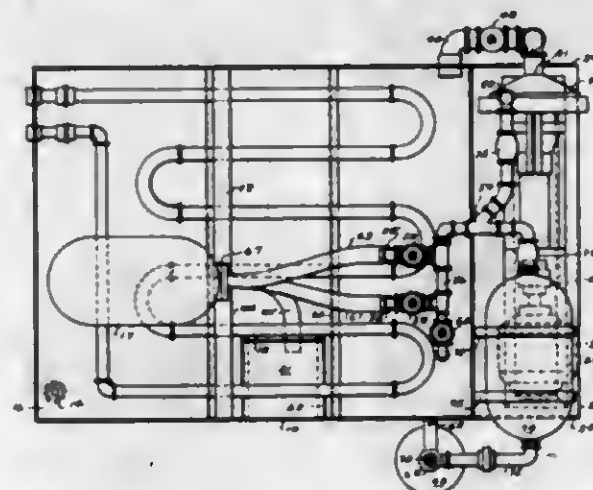
2,624,354

MACHINE FOR CLEANING OIL COOLER RADIATORS, ETC.

Joseph R. Okon, Lockport, Ill.

Application October 29, 1948, Serial No. 57,281
5 Claims. (Cl. 134-101)

(Granted under Title 35, U. S. Code (1952), sec. 266)

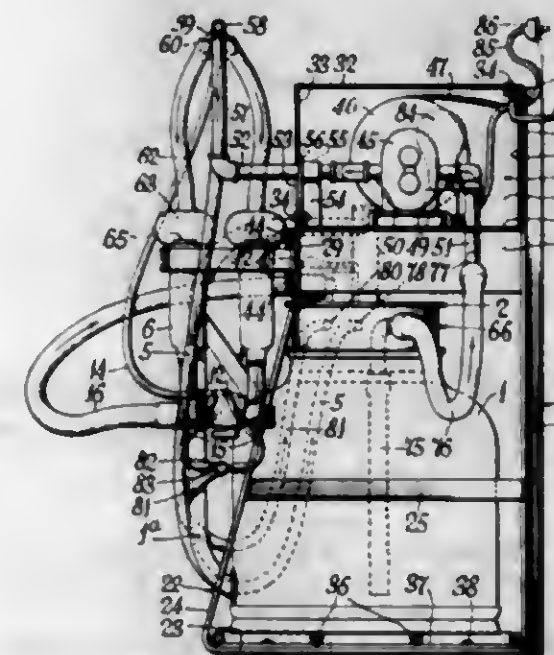


1. Apparatus for cleaning oil coolers and the like, which comprises, in combination, a main tank for a cleaning fluid, a pump having its suction side connected to said main tank, a source of compressed air, a compressed air reservoir having its inlet connected to said source of compressed air, a surge tank, a pop-off valve having its inlet connected to said reservoir and its discharge side connected to said surge tank, a Y fitting, a passageway connecting the discharge side of the pump to one branch of the Y fitting, a passageway connecting the discharge side of the surge tank to another branch of the Y fitting, a manifold, a passageway connecting the third branch of the Y fitting to said manifold, and a

2,624,355

MILKING MACHINE CLEANER OF THE CLEANING LIQUID CIRCULATING TYPE

Clyde J. Buchinger, Perry Center, N. Y.

Application May 7, 1948, Serial No. 25,543
13 Claims. (Cl. 134-168)

6. A cleaner for milking machines which utilizes the pail of the milking machine and sundry tubular parts of the milking machine in the flow circuit of the cleaning liquid, the pail as thus utilized providing a reservoir for the cleaning liquid and which comprises, in combination, a continuously driven pump, piping extending from the reservoir near its bottom and connected to the low pressure side of the pump whereby cleaning liquid is drawn from the reservoir and forced through the pump, a supply manifold connected to the high pressure side of the pump, an adapter removably mounted upon the upper end of the pail and having a cleaning liquid receiving chamber in communication with the pail, means for connecting the tubular parts of the milking machine to the supply manifold, and means for connecting the tubular parts of the milking machine to the chamber of the adapter whereby the cleaning liquid flows under pressure from the supply manifold through the tubular parts, cleaning them as it flows, into the chamber of the adapter and thence into the upper end of the reservoir in which it replenishes the body of cleaning liquid maintained in the reservoir.

2,624,356

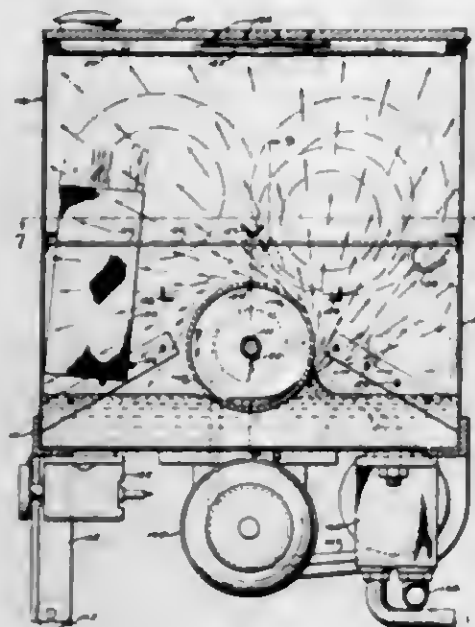
SMOOTH IMPELLER DISHWASHER

Hugh M. Rumbaugh, Bath, Ohio

Application January 9, 1950, Serial No. 137,509
9 Claims. (Cl. 134-194)

1. A dishwashing unit comprising a chest, rack means in said chest, a substantially horizontal smooth cylinder extending transversely across said chest, journal means for supporting said cylinder, means to maintain a maximum water level in said chest below said rack means and the axis of said journal means and to maintain said cylinder sufficiently submerged in said

water to produce a scouring throw of water, and power means to drive said cylinder at a rate of



speed to throw a longitudinally continuous spray of water against ware supported in said racks.

2,624,357

UMBRELLA FABRIC CLASP

Joseph John Cutrone and Marco P. Ferrante,
Brooklyn, N. Y.

Application June 1, 1950, Serial No. 165,478
2 Claims. (Cl. 135-36)



2. A clasp for connecting a fabric to the ribs of an umbrella comprising a tubular inner end portion and an outer ornamental portion connected by a plate-like intermediate body portion, the tubular inner end portion being adapted to receive the rib, said body portion having portions projecting from the opposite sides of the tubular portions, said projecting portions having side edges extending diagonally from their intersection with the ends of tubular portions, the ends of said projecting portions being bent to form upstanding clamping wings, said wings being bendable downwardly to a clamping position in which they extend toward each other and have their ends overlapping.

2,624,358

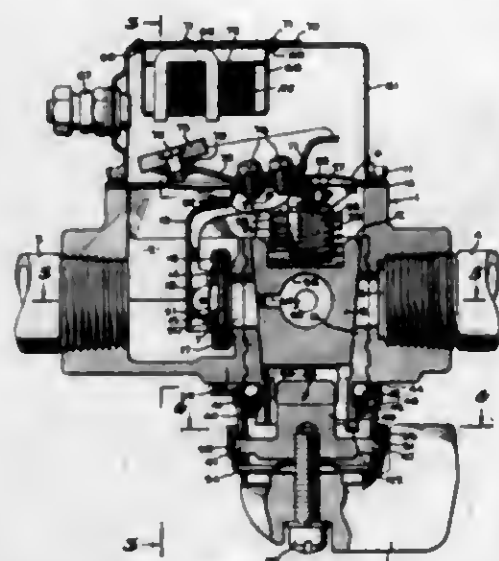
SAFETY CONTROL FUEL VALVE

William A. Ray, North Hollywood, Calif., assignor to General Controls Co., a corporation of California

Application December 14, 1948, Serial No. 65,113
3 Claims. (Cl. 137-66)

1. In a safety valve structure: a valve body providing a plug valve seat; a plug in said seat; said body having inlet and outlet ports opening in said seat; a flexible diaphragm forming a chamber in the body in connection with the inlet portion; said body providing a safety valve seat in the chamber; a pivoted safety closure in the chamber and attached to the diaphragm, said

diaphragm being movable upon movement of the closure; an electromagnet supported exterior of the diaphragm; an armature cooperating with the electromagnet; said electromagnet being normally incapable of attracting and holding the armature until the armature is moved from its unattracted position into a juxtaposition with the electromagnet and to an attracted position; an



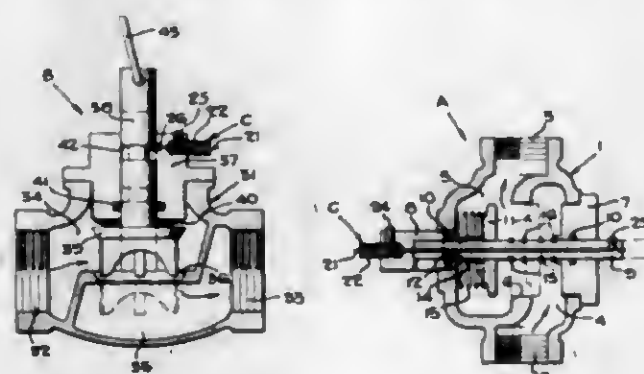
arm for supporting the armature and attached to the diaphragm and the safety valve closure; said arm when the safety valve closure is opened, serving to move the armature to said attracted position; and means biasing the safety valve closure to closed position; to return the safety valve closure to closed position independently of the position of the main plug valve.

2,624,359

FUEL SAFETY SHUTOFF

William O. Wolford, Los Angeles, Calif., assignor to Kelite Products, Inc., Los Angeles, Calif., a corporation of California

Application April 5, 1949, Serial No. 85,585
3 Claims. (Cl. 137-94)

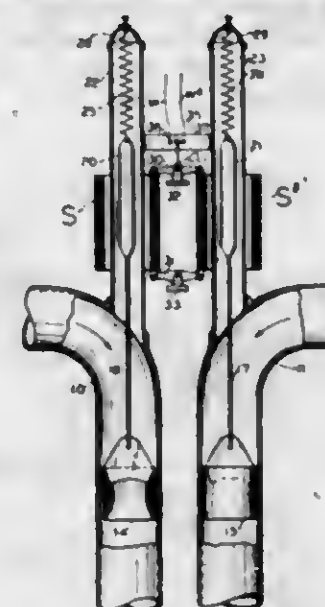


2. A fuel safety shut-off apparatus, involving: a supply valve including a valve body having a flow passage therethrough, a slidable stem penetrating said flow passage, a valve element movable along said stem in response to flow through said passage, yieldable means connecting said valve element and stem to apply a force tending to effect corresponding movement of said stem; a cable including a slidably mounted element connected with said stem; and a fuel valve having valve means for controlling flow therethrough and having a means urging said valve means toward a closed position, said slidably mounted element latching said fuel valve means in an open position under predetermined conditions of flow in said supply valve.

2,624,360

PROPORTIONATE FLOW CONTROL BY BALANCED MAGNETIC FORCE

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application June 6, 1950, Serial No. 166,513
5 Claims. (Cl. 137-100)



1. Apparatus for maintaining proportionate flow of liquids in two associated pipes which comprises a deflector mounted in each pipe and mounted for movements in the direction of flow, and proportionate to the rate of flow of the associated liquid, a spring to move each deflector in the opposite direction, an iron bar connected to move with each deflector, a solenoid surrounding each iron bar, each deflector, bar and spring being within a space filled with the liquid to be controlled and each solenoid being outside of said space, a single pivoted supporting structure for said two solenoids and which is displaceable by relative movement of said solenoids, said supporting structure being movable clockwise by the displacement of one solenoid on increased flow of the associated liquid and being movable anti-clockwise by the corresponding displacement of the other solenoid on increased flow of the other liquid and said displacements neutralizing each other when the flows of the two liquids are in the predetermined ratio, and means to vary the relative flow of said liquids in accordance with the displacement of said supporting structure.

2,624,361

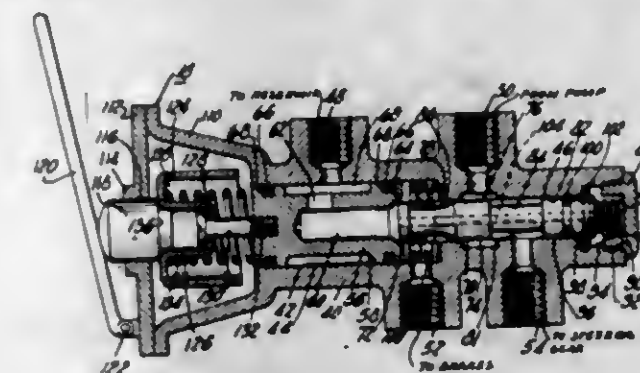
VALVE FOR CONTROLLING FLUID TO A PLURALITY OF DEVICES

Jesse B. Brown, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application March 30, 1946, Serial No. 658,370
10 Claims. (Cl. 137-102)

10. A valve for controlling the flow of fluid comprising a body, a bore in the body, first, second, third, and fourth ports in the body, each of said ports communicating with the bore, and means in the bore for controlling communication between the ports, a mechanism biasing said means to a first position in the bore where communication is established between the first port and the second port and cut off between the first port and the third port, said means being movable to a second position in the bore where communication between the first port and the second port is restricted and communication between

said first port and the third port is established, said means including a manually positionable device for moving said means to its second position, said device normally cutting off communi-



cation between said third port and the fourth port and responsive to a variable pressure developed in said third port for moving the device in a direction to establish communication between the third and fourth ports.

2,624,362

FLOW VALVE FOR FLUID LIFT PUMPS

Walter L. Church, Houston, Tex.

Application March 12, 1949, Serial No. 81,143
4 Claims. (Cl. 137-155)



1. A flow valve assembly comprising, a tubular valve casing having a side inlet port, a movable valve seat carrier on the casing and sealed therewith and having an opening therethrough providing a valve seat and through which outside fluid may be admitted to said port and an inwardly opening recess surrounding said seat, a valve loosely mounted on the carrier and guidingly engageable with the carrier within said recess, abutment means on the casing engageable by the valve to limit inward movement of the valve to cause the seat to sealingly engage the valve to close the valve seat opening and exclude said fluid upon inward movement of the carrier, and means normally holding the carrier in its outer position to maintain the seat open.

2,624,363

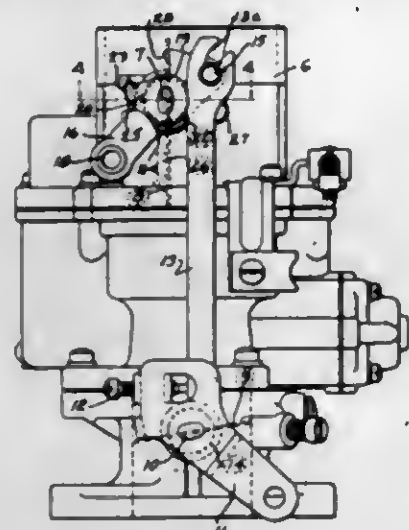
CHOKE VALVE CONTROL

Henry A. Boller, Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application May 1, 1947, Serial No. 745,273
3 Claims. (Cl. 137-481)

1. In a carburetor having an air inlet an unbalanced butterfly choke valve mounted on a shaft in said inlet, stop structure on the wall of said inlet limiting the opening and closing movements of said valve, a lever journaled about said shaft, a radial shoulder on said shaft adjacent said lever, a spring connecting said shaft and lever and normally holding said shaft shoulder against said lever so as to resist opening of said valve relative to said lever, and a stop limiting the valve closing movement of said lever to a position to just close said valve, said lever having a part disposed to forcefully strike said shaft shoulder in case of sticking of said valve to

initiate the closing movement thereof, said striking part of said lever being arranged with respect to said shaft shoulder and said stop to permit un-

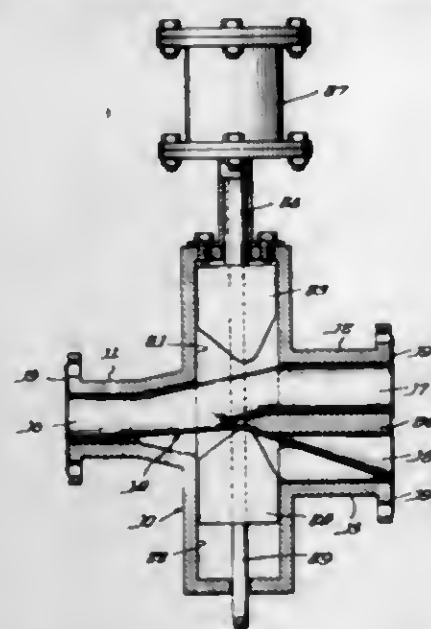


obstructed movement of said shaft and said choke valve to a substantially fully opened position regardless of the position of said lever.

2,624,364

DIVERTER VALVE

Gustav C. Detlefsen, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 17, 1950, Serial No. 196,283
5 Claims. (Cl. 137-609)



1. A valve comprising a valve body having an inlet and a plurality of outlets, a flexible liner having branches disposed within said valve body defining the junction between said body inlet and each of said outlets, reciprocally movable means mounted within said valve body for transversely flexing said liner selectively thereby to interrupt flow through said outlet at the junction between the said inlet and outlets in a plurality of planes.

2,624,365

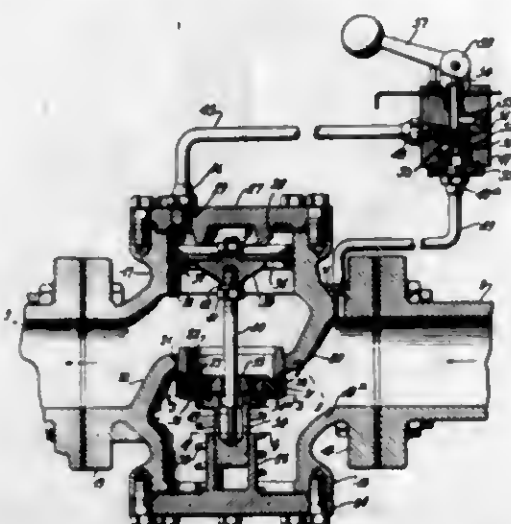
PILOT CONTROLLED VALVE FOR FIRE EXTINGUISHING SYSTEMS

James C. Hesson, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application November 18, 1948, Serial No. 60,777
2 Claims. (Cl. 137-668)

1. A pressure fluid operated valve, comprising a casing having an inlet and an outlet separated

by a partition, said partition having an opening therethrough surrounded by a seating surface on the inlet side of the opening, a disc mounted in the inlet portion of said casing for movement to engage said seating surface and having a cylindrical recess centrally entering the engaging side thereof, resilient means urging said disc into engagement with said seating surface, a stem for said disc having an enlarged head of angular cross-section positioned in and of less axial length than the cylindrical recess, the dissimilar cross-section of the recess and the stem head providing for venting of the recess, a retaining ring detachably connected to the valve disc for en-

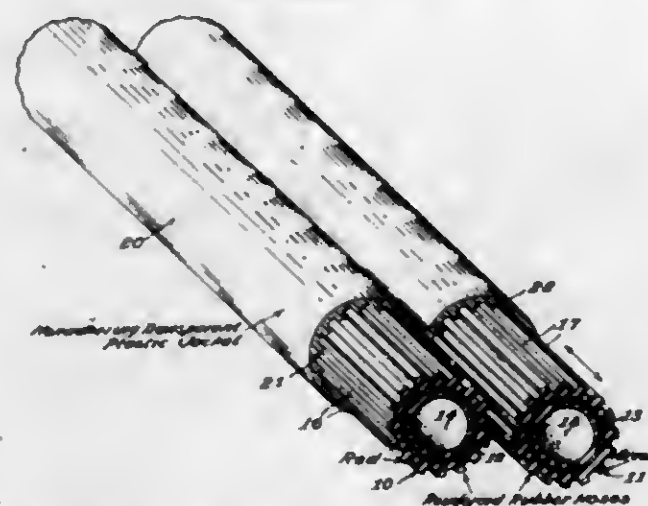


gagement by the valve stem head to prevent withdrawal of the head from the recess while permitting the disc to move axially relative to the stem and away from said seating surface in response to an excess pressure on the outlet side of said disc, pressure fluid operated means connected to said stem and positioned in the outlet portion of said casing for movement to disengage said disc from said seating surface, means for limiting the extent of movement of the pressure fluid operated means away from said seating surface, and means for axially adjusting the effective length of the stem to vary the distance the disc may move away from said seating surface in response to said excess outlet pressure.

2,624,366

PLURAL HOSE

William J. Pugh, Piedmont, Calif.
Application July 22, 1952, Serial No. 300,153
5 Claims. (Cl. 138-87)



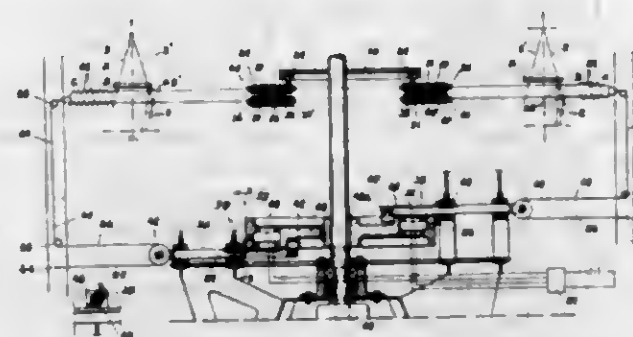
1. A plural hose construction comprising a plurality of juxtaposed parallel fluid conducting elastic rubber hoses, a relatively thin inelastic jacket enclosing said hoses, the inner wall of said

jacket firmly engaging the outer walls of said hoses and being slidable relative thereto for relative creeping movement between the jacket of the hoses under the action of variable fluid pressures in the hoses.

2,624,367

LOOM FOR CIRCULAR WEAVING

Jean Dunod, Paris, France
Application December 21, 1950, Serial No. 201,964
In France May 3, 1947
6 Claims. (Cl. 139-16)

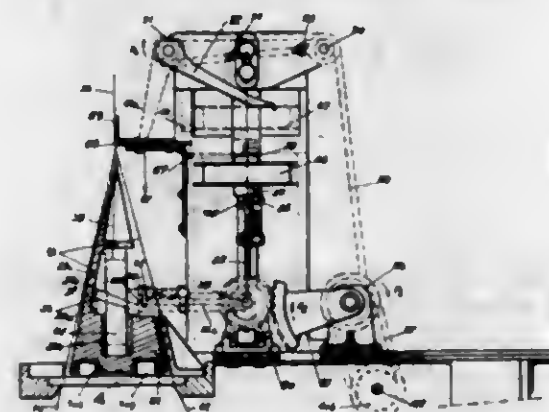


1. In a circular weaving loom for weaving textile or metal threads means for normally controlling the opening of the shed formed by the warp threads and for drawing all of the warp threads towards the centre of the loom in order to uncover the shuttle, which include a number of heddles equal to that of the warp threads, means located inside the loom and adapted to produce at will a reciprocating movement of said heddles, springs operatively connecting said means to the inner ends of the corresponding heddles, further springs secured to the outer ends of the heddles, and means for adjustably securing the outer ends of last mentioned springs in accordance with the desired opening and closing of the shed, the last mentioned springs being stronger than the first mentioned springs.

2,624,368

WEFT REPLENISHING APPARATUS FOR CIRCULAR LOOMS

Jean Dunod, Paris, France
Application December 21, 1950, Serial No. 201,965
In France January 31, 1948
6 Claims. (Cl. 139-16)



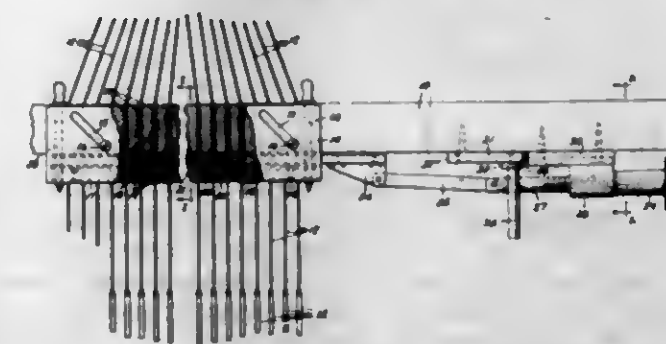
1. An apparatus for automatically re-loading a shuttle in a circular weaving loom which comprises means for retracting all the warp threads clear from the shuttle and means for re-establishing the normal shedding position of the warp threads, said apparatus including a container for the full weft spools, means for transferring a full weft spool from this container into the

path of the shuttle, means for retaining the end of the weft thread to a fixed part of the container, means on the shuttle for picking up, as it passes, the full spool, means for damping the impact of the empty spool against the full weft spool and for imparting a starting impulse to the full weft spool, means for removing said empty spool from the path of the shuttle, and means for cutting off the weft thread upon return of the warp threads into the normal shedding position.

2,624,369

JACQUARD LOOM HARNESS

Thomas J. Seel, Philadelphia, Pa.
Application July 30, 1951, Serial No. 239,317
10 Claims. (Cl. 139-86)

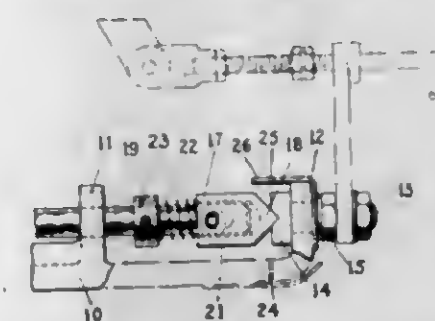


2. In Jacquard loom harness including a plurality of heddles, and harness cords at the lower ends of which the said heddles are carried, a comber-board having a plurality of holes through which the harness cords pass, a plate member disposed adjacent the comber-board having a plurality of holes through which the harness cords also pass, which holes register with the holes of the comber-board during the normal operation of the loom, means for shifting said plate member thereby to offset and thus bind the harness cords adjacent the comber-board and thereby prevent twisting of said harness cords.

2,624,370

THREAD CLAMP

Maurice R. Flamand, Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application March 8, 1951, Serial No. 214,557
6 Claims. (Cl. 139-127)

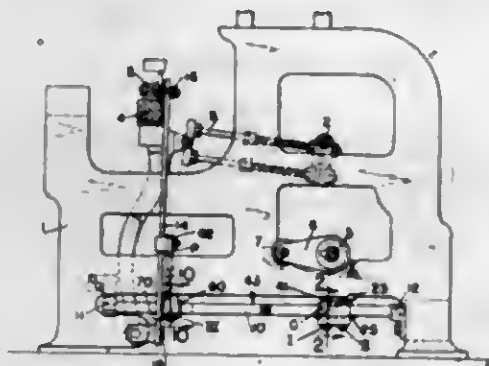


1. A thread clamp for textile machines having in combination a relatively fixed and a relatively movable clamping member, supporting means for these members, that support for the relatively movable member being movable to and from the said relatively fixed member to effect clamping and releasing of a thread, and the support for at least one of the members being universally attached to its member to provide a limited amount of alignment between the elements thereby to assure more effective clamping engagement.

2,624,371

LOOM PICKING MECHANISM

William A. Blanchard, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 28, 1951, Serial No. 213,136
11 Claims. (Cl. 139-147)

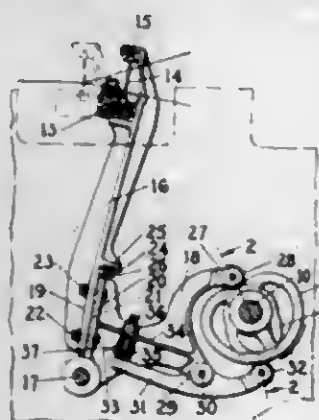


1. In loom picking mechanism for a loom having a picking arm, a horizontal rockable picking shaft circular in cross section, a picking cam member having a primary bore receiving the picking shaft and having a secondary bore transverse of the primary bore communicating with the latter, an upwardly facing cam on said member to be depressed by the picking arm and located at one side of the axis of the shaft, clamp means including two aligned clamping elements in the secondary bore of the cam member having wedge surfaces held against the shaft on the side thereof opposite to said cam to prevent endwise movement of the cam member relative to the shaft, and a key connecting the shaft and member intermediate the cam and clamp means.

2,624,372

LAY MOTION FOR LOOMS

Walter J. Budzyna, East Douglas, Mass., and Maurice R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass., a corporation of Massachusetts
Application June 29, 1950, Serial No. 171,207
In Brazil April 18, 1949
9 Claims. (Cl. 139-190)

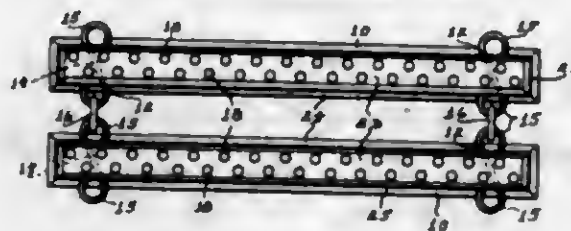


1. In a lay motion for a loom, a rock shaft, a cam follower arm on said rock shaft, lay swords movable with said arm as it is rocked on said rock shaft, a lay carried by said swords, a cam shaft, a pair of cams on said cam shaft and followers on said cam follower arm, one of which is engageable with one of said cams for moving the lay to beat the filling into the shed and the other of which is engageable with the other follower to return the lay to a filling laying position.

2,624,373

DOBBY CHAIN

Warren B. Harris, Millbury, Mass.
Application November 3, 1949, Serial No. 125,289
4 Claims. (Cl. 139-334)

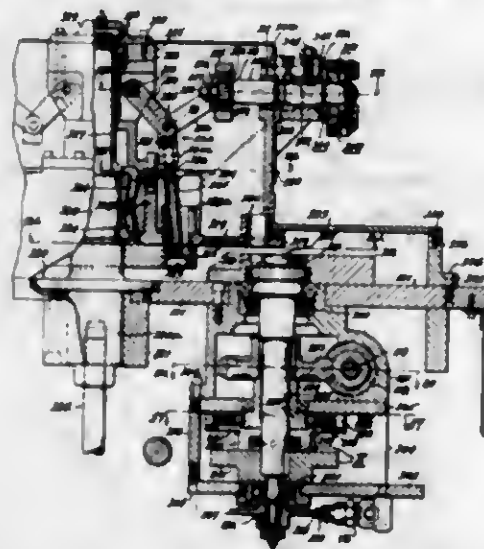


1. A dobby chain comprising a set of laminated cross bars having a set of transverse cylindrical peg holes extending throughout the length and close to the ends of each bar, a set of slightly tapered, threaded dobby pegs removably insertable in the holes, each of said holes being of such shape that the dobby peg may initially form a thread therein, and links connecting the bars, each bar being made of outer layers of wood having the grain running lengthwise and which constitutes at least four fifths of the bar thickness, an intermediate thin layer of strengthening and deformable material therebetween, and a cement which secures the intermediate layer to and between the wood layers, the transverse holes extending through the three layers and the intermediate layer being capable of having a thread formed therein by a dobby peg and serving to resist lateral splitting of the bar by the insertion of the tapered peg.

2,624,374

MACHINE FOR MAKING ELECTRICAL COILS

James S. Burge, Anderson, Hilton J. McKee, Middletown, and Richard Marcus Goodwin, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 11, 1947, Serial No. 733,758
20 Claims. (Cl. 140-92.2)



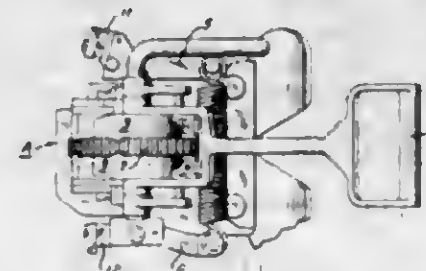
19. A coil winding machine comprising a winder shaft, a winder form attached thereto, a rotary dial, a plurality of forms rotatably supported thereby and located successively at the winding station in alignment with the winder form, each dial form axially advanceable toward the winder form to combine therewith to provide a complete coil form and axially retractable to permit movement of the dial, each of the dial forms and the winder form having coupling surfaces which engage when the dial form is advanced and each of the dial forms and the dial having coupling surfaces which engage to prevent rotation of the dial form when retracted, means for advancing and retracting the dial form at the winder sta-

tion, means for rotating the coupled forms, means for indexing the dial to move the coils successively from the winder station to an ejecting station, coil gripping members carried by each dial form advanceable to grasp the coil before the dial form is retracted from the winder form and retractable to release the coil to permit ejection of the coil from the dial form when it is located at the ejecting station, a coil ejector adjacent to which the dial moves the coil carrying dial forms successively, means at the winding station for advancing the coil gripping members, means at the ejecting station for retracting the coil gripping members, means for operating the ejector and mechanism for effecting, in recurrent sequence with respect to any one coil, operation of the dial form advancing means to cause a dial form at the winder station to be coupled with a winder form, operation of the form rotating means to wind the coil, operation of the means for advancing the coil gripping members to grasp the wound coil, operation of the dial form retracting means to separate the wound coil from the winder form, operation of the dial indexing means to locate, at the ejecting station, the dial form carrying the wound coil, operation of the means for retracting the coil gripping members carried by the dial form at the ejecting station to release the coil and operation of the coil ejector operating means, wherein the dial provides bearing brackets which respectively support rotatable shafts which respectively support the dial forms and are attached thereto, the bearings being so disposed that the shafts are successively located in axial alignment with the winder form, as the dial is indexed, each bracket providing the fixed coupling surfaces, which are adapted to be engaged by the coupling surfaces provided by each dial form, and in which means are provided for preventing rotation of the dial form during the interim movement between disconnection of one coupling and connection of the other coupling, said means comprising a pin supported by the bracket and a longitudinal groove provided by the dial form shaft for receiving the pin during the interim movement and an annular groove provided by the shaft for receiving the pin when the dial form is connected with the winder form.

2,624,375

WIRE TYING MACHINE

Kurt Eric Schulze, San Francisco, Calif., assignor to Ernest Roe, doing business as Coast Wire Company, San Francisco, Calif.
Application November 29, 1948, Serial No. 62,544
2 Claims. (Cl. 140-93)



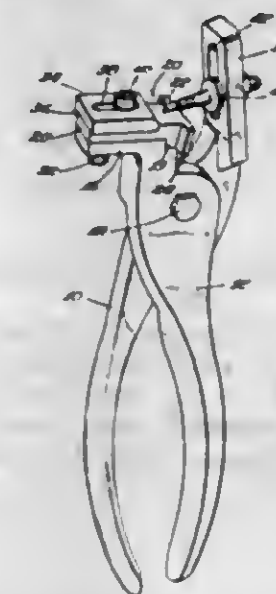
1. In a wire tying machine for tying the ends of wire encircling an object said machine having a wire twisting gear, a first wire gripper for gripping one end of said wire, a first wire cutter located between said first gripper and one end of said wire twisting gear, a first means located adjacent said first wire cutter for maintaining the end portion of the wire which leads to the first gripper in substantially vertical align-

ment with that part of the wire encircling the object to be tied with said end portion above same encircling portion, a second wire gripper for gripping the other end of said wire, a second wire cutter located between said second wire gripper and the opposite end of said wire twisting gear, and second means for maintaining the other end portion of the wire which leads to the second gripper in substantially vertical alignment with that part of the wire encircling the object to be tied with said end portion below said encircling portion, the improvement in means to rotate said gear and to operate said wire cutters in timed relationship, including means, firstly, for rotating the wire twisting gear a plurality of turns, means, secondly, for operating said first wire cutter, means, thirdly, for rotating said wire twisting gear an additional 180 degrees and means, fourthly, for operating said second wire cutter whereby the wire is twisted, the ends are cut and the cut ends of said wire are disposed beneath the twisted portion of the wire.

2,624,376

LOOP FORMING TOOL FOR HELICAL SPRINGS

Joseph Leigh Smith, Glen Ellyn, Ill.
Application January 10, 1947, Serial No. 721,339
9 Claims. (Cl. 140-103)



1. A center loop-forming tool comprising an anvil having a cleaver edge adapted to engage the crevice between adjoining loops of a helical spring, a punch holder movable toward said cleaver edge, a punch having an outwardly directed groove therein adapted to seat the wire of a loop of a helical spring at a point diametrically opposite to the point engaged by the cleaver edge rotatably mounted in the punch holder and on an axis substantially parallel to the movement of the punch, an anvil stop for the helical spring positioned adjacent the anvil and spaced from the cleaver edge, and means for moving the punch along a path past the cleaver edge toward the anvil stop.

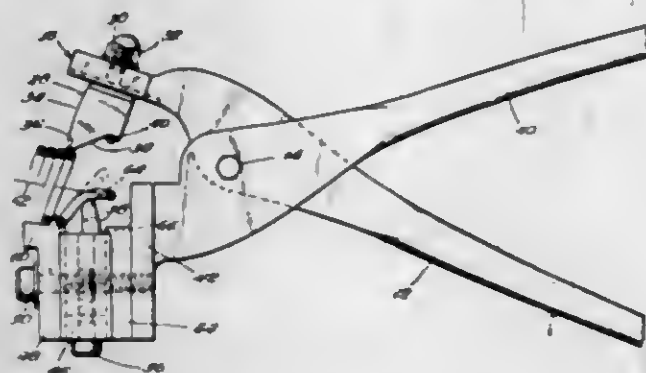
2,624,377

HOOK FORMING TOOL FOR HELICAL SPRINGS

Joseph Leigh Smith, Glen Ellyn, Ill.
Application November 6, 1947, Serial No. 784,436
1 Claim. (Cl. 140-103)

A bench tool for forming a hook on a helical spring comprising a frame having an upper jaw and a lower jaw spaced from each other, a clamp on the frame for fastening the frame to a fixed

support, a helical spring support mounted on the lower jaw and movable in a plane normal to the movement of the jaws, means for fixing the spring support in a selected position, a wedge on the spring support for engaging the outside valley between two loops of a spring, a slide mounted on the lower jaw adjacent one end of the spring support and movable toward the upper jaw, means for fixing said slide in selected position, a ledge on the top of said slide transverse to the line of movement of the spring

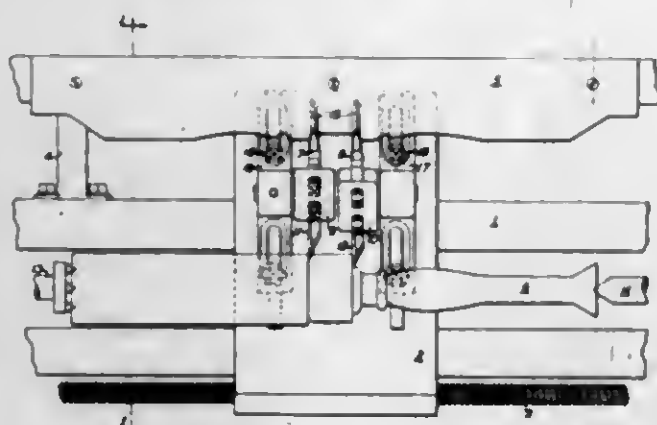


support, an upwardly directed slot through said ledge, a ram mounted on the upper jaw and movable toward the lower jaw, a plate suspended from the ram edgewise and parallel to and in alignment with the slot in the ledge, a loop cleaving edge mounted on the lower end of the plate above the spring support, and a camming surface extending along the lower edge of the plate over the ledge, said plate and camming surface having a thickness less than the width of the slot.

2,624,378

PATTERN-CONTROLLED REPRODUCING LATHE

Angel Di Rosa, Carmelo Di Rosa, and Alfredo Eduardo Hayes, Buenos Aires, Argentina
Application June 25, 1948, Serial No. 35,128
In Argentina September 4, 1947
3 Claims. (Cl. 142-7)

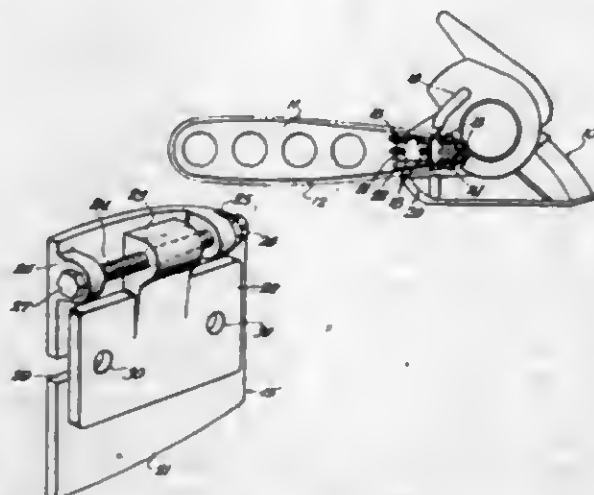


1. A lathe for producing turned articles comprising a frame, a plurality of arms secured at one of their ends to the frame, a template mounted on the other ends of the arms and having a contour corresponding to the article to be produced, a carriage movably mounted on the frame, a tool carrier provided with a follower which contacts the contour of the template, slide means adjustably mounted on the carriage to move with the latter and having means to pivotally receive the tool carrier and its follower, and means to slidably move the carriage on the frame parallel with the template during the turning of the article by the tool as controlled by the follower and template.

2,624,379

SAW BAR ADJUSTMENT DEVICE

Floyd D. Arneson, Klamath, Calif.
Application August 13, 1951, Serial No. 241,575
3 Claims. (Cl. 143-32)



1. An adjustment device for use in effecting relative adjustment between a saw bar and the frame of the motor unit of a chain saw apparatus, the motor frame including a plurality of stud bolts projecting outwardly therefrom, one end of the saw bar being provided with an elongated slot extending in the direction longitudinally of the bar for cooperatively receiving said stud bolts, said saw bar being adapted to be secured in place by said stud bolts in any one of a plurality of positions in the direction longitudinally of the saw bar within the limits of said elongated slot, said device comprising a base plate having a pair of parallel plane surfaces, said base plate being adapted to be mounted with one surface thereof abutting one side surface of the saw bar, said base plate being provided with elongated slots adapted to be aligned with said saw bar slot and adapted to receive cooperatively therethrough said stud bolts, short studs projecting outwardly from said one side surface of said base plate, said one side surface of said saw bar having recesses adapted for cooperative engagement by said short studs, said device including a second plate mounted upon the other surface of said base plate, said second plate including spaced-apart openings for cooperatively and relatively snugly receiving said stud bolts, an elongated screw-threaded adjustment means rotatably mounted upon said other surface of said base plate in a direction with its axis parallel with said elongated slots in said base plate, means restraining said screw means against movement in the direction longitudinally thereof, said second plate including a portion cooperatively threaded and mounted upon said screw means whereby upon rotation of said screw-thread adjustment means adjustment of said base plate relative to said second plate and frame may be effected in the direction longitudinally of said slots of said base plate.

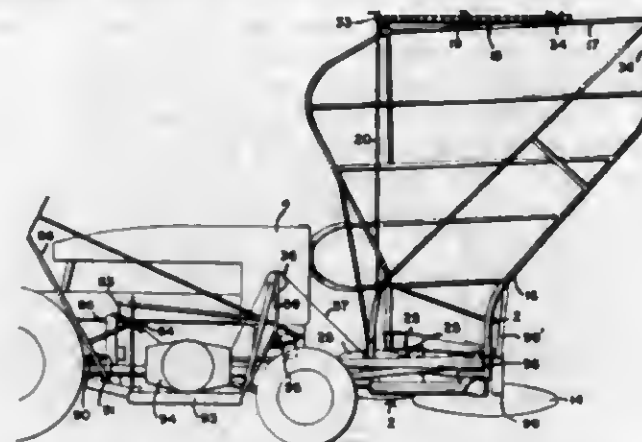
2,624,380

BRUSH SAW

Lester N. Haynes, Livingston, Tex.
Application August 11, 1947, Serial No. 768,048
6 Claims. (Cl. 143-43)

5. A brush saw adapted to be carried on a portable carrier comprising a carriage, a substantially vertical brush engaging frame extending upwardly from said carriage adjacent said saws to guide the brush sidewardly of said carriage, saws rotatably mounted in overlapping relationship on said carriage with the forward

cutting edges of said saws progressively positioned rearwardly from the front of said carriage toward the side and rear thereof, and resilient means acting in the direction of the

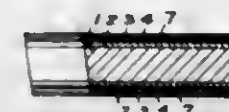


thrust on said saws to balance said saws in fore and aft position and to cushion the impact of said saws with the brush, said resilient means mounted rearwardly of the cutting plane of said saws.

2,624,381

LAMINATED METAL CIRCULAR AND BAND SAWS

Gordon von der Werth, San Francisco, Calif.
Application April 28, 1950, Serial No. 159,000
5 Claims. (Cl. 143-133)

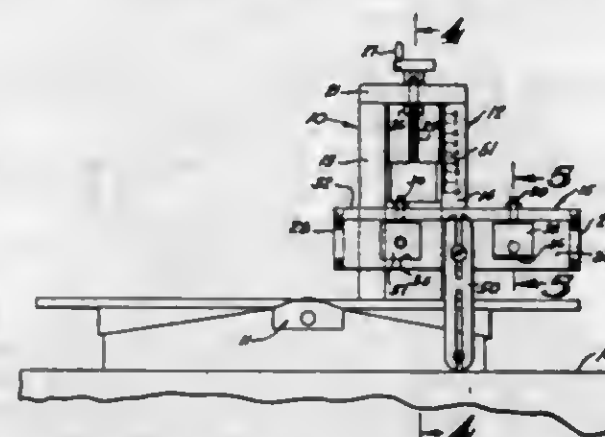


1. A saw comprising a central body of steel having cutting teeth along the edge thereof, laminae of copper and a metal of relatively lower heat conductivity than said copper extending to the cutting edges of said teeth inseparably secured to each of the opposite sides of said body with a lamina of copper nearest said body on each of said sides.

2,624,382

AUXILIARY PLANER

Henry T. Moore, Greenfield, Mass.
Application December 16, 1948, Serial No. 65,610
5 Claims. (Cl. 144-116)

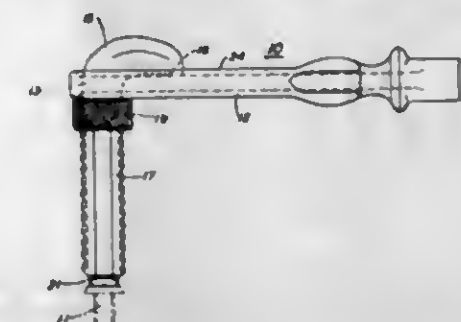


5. A manually fed wood planer in combination with a cabinet maker's buzz planer, the manually fed wood planer comprising a tool block and at least one feeder roller, means for rotatably mounting the tool block and the feeder roller above the buzz planer, the tool block being adapted to coact with the buzz planer and the

feeder roller being adapted to coact with the tool block and the buzz planer, means for vertically adjusting the tool block and the feeder roller relative to the buzz planer, and means for applying rotary motion to the tool block and the feeder roller to coact with the rotary motion of the buzz planer.

2,624,383

SCREW DRIVER WITH APERTURED HANDLE
James C. Francesconi, Brooklyn, N. Y., and Jesse P. Hubbell, Fanwood, N. J.; said Hubbell assignor to said Francesconi
Application October 12, 1949, Serial No. 120,944
4 Claims. (Cl. 145-50)

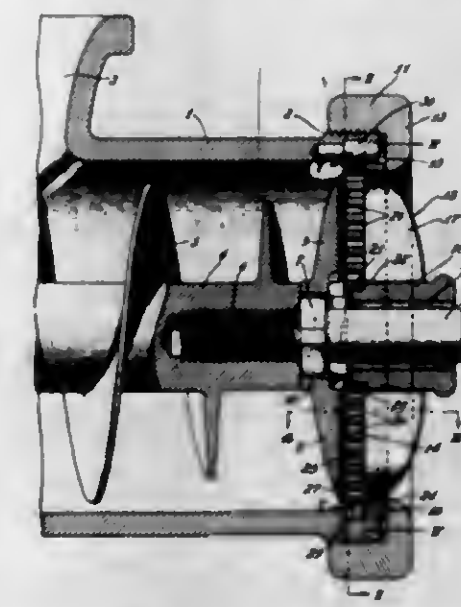


1. A right-angle screw driver comprising a threaded member having a screw driver bit at one end and a right-angle extension at the other end thereof, a handle having an aperture at one end through which said threaded member protrudes, and a knurled nut having internal threads to engage those on said threaded member and screwed tightly against one surface of said handle to force said extension tightly against a surface of said handle opposite said one surface.

2,624,384

RETAINING SPIDER AND PLATE FOR MATERIAL GRINDING MACHINES

Michael F. Ward, Chicago, Ill., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application May 24, 1949, Serial No. 94,976
6 Claims. (Cl. 146-189)



1. A plate and spider assembly for a material grinding machine, including a relatively thin disk of uniform thickness having numerous apertures therethrough and a relatively large central opening internally threaded, a spider comprising a rim, spokes, and a hub bushing, said bushing having a threaded inner end to receive thereon

said disk from either side, the rim of the spider having an enlarged bore to receive the disk when the same is attached to said bushing.

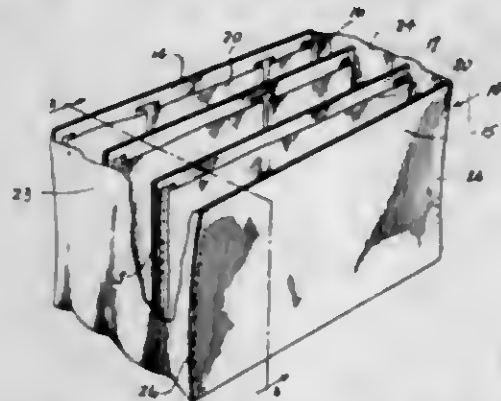
2,624,385

INTERCHANGEABLE PURSE INSERT

Veta D. Hogan, Seattle, Wash.

Application February 7, 1950, Serial No. 142,736

3 Claims. (Cl. 150-30)



1. A container of the character described comprising opposite end walls and intermediate partition walls, flexible opposite side walls joining the end walls and permitting extending and collapsing of the container, said intermediate partition walls comprising a continuous strip attached to and extending between the lower edges of the end walls; said strip being independent of the side walls and being formed into a succession of alternately relatively narrow and relatively wide pleats; the folds of the relatively wide pleats constituting the intermediate partition walls and said relatively narrow pleats constituting bottom sections and permitting the container to be extended or collapsed.

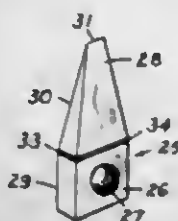
2,624,386

DRIVEN NUT

John R. Russell, Dayton, Ohio

Application March 12, 1947, Serial No. 734,163

1 Claim. (Cl. 151-41.73)



A fastening device adapted for use with a machine screw to form a detachable joint between a wooden member and another member, comprising a generally square and flat body of substantially greater width than thickness to form a nut having a tapped bore therethrough for receiving said screw, an elongated extension formed integrally with said nut and extending therefrom in substantially the plane of said nut, the sides of said extension converging with a relatively gradual taper from said nut to form a chisel point at the outer end thereof lying generally parallel with said plane of said nut for penetrating the wall of said wooden member, the edge of said nut opposite said extension being substantially flat to facilitate driving said extension into said wall, said extension being substantially longer than the width of said nut and having said gradually tapered sides over substantially the entire length thereof to spread said wall properly for driving said nut into said

wall and also to resist withdrawal from said wall following partial driving thereinto for supporting said nut in projecting relation with said wall in position to receive said screw, said device having a groove therein along the integral connection between said nut and said extension rendering said connection readily frangible to a blow to facilitate breaking off of said extension in an installation of said device wherein said extension is driven completely through said wall leaving said nut embedded therein, and said groove being of substantially less depth than the thickness of said nut to provide sufficient thickness of material in said connection to withstand the pulling force caused by tightening of said screw in an installation of said device wherein said extension is driven partially into said wall and supports said nut outwardly of said wall.

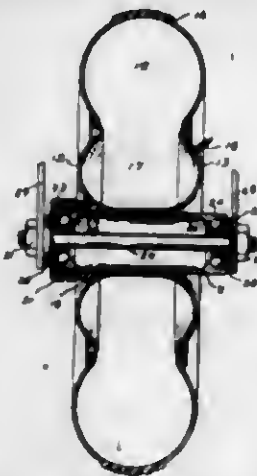
2,624,387

AIR CHAMBER WHEEL

Alvin J. Musselman, Santa Barbara, Calif.; County National Bank and Trust Company of Santa Barbara, a national banking association, and Morris M. Musselman executors of said Alvin J. Musselman, deceased

Application April 24, 1950, Serial No. 157,833

8 Claims. (Cl. 152-10)



1. An air chamber wheel for pneumatic tires comprising a hub, and a pair of sheet metal flared funnels oppositely disposed on the hub and secured thereto with apical portions adjacent and each flared portion terminating in an outer rim, whereby a tire may be disposed on the two rims to enclose the region between the two funnels to form an air chamber.

2,624,388

TRACTION CHAIN FASTENING DEVICE FOR DUAL VEHICLE WHEELS

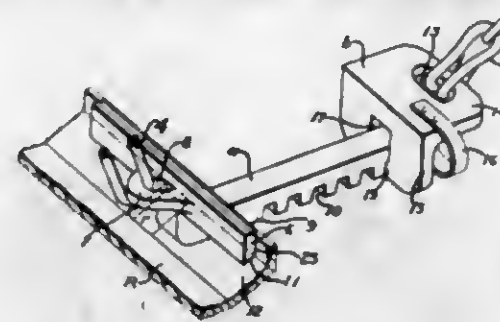
John F. Kane, Fall River, Mass., assignor to Kane Chain Company, Incorporated, Fall River, Mass., a corporation of Massachusetts

Application March 17, 1948, Serial No. 15,448

4 Claims. (Cl. 152-220)

1. In combination with a traction chain assembly for a dual vehicle wheel of the spoke type, having an aligning ring between the wheel rims with openings therein, a locking member comprising an elongated indented tongue having opposite rectilinear sides engageable with the side walls of one of said openings upon insertion therein, having an element engaging the inner face of the aligning ring flange and connected to said chain assembly, a receiving member, comprising an angular element with attached spring fastened to said chain assembly and having an aperture for receiving said tongue

and means for adjustably engaging said tongue with said receiving member and for retaining said



members in engagement when the assembly is in adjusted position.

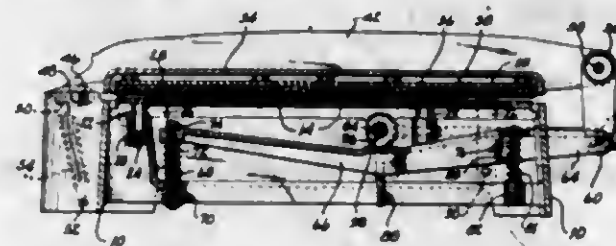
2,624,389

MAKE-READY PREPARING PRESS

George W. Bungay, New York, N. Y., assignor to Oxy-Dry Sprayer Corporation, New York, N. Y., a corporation of New York

Application June 19, 1950, Serial No. 168,993

6 Claims. (Cl. 154-1)



1. A make-ready preparing press including in combination a pair of flat platens, at least one of which is heated and one of which is provided with a resilient surface, means for hingedly connecting the platen along one edge of each, the hinge connection including a spring mounted pintle allowing relative spacing of the platens, latch means adjacent the edge of each platen opposite the hinge, said latch means including resilient means urging the platens together, and lever means for energizing and releasing said resilient means whereby the hinged platen may be resiliently urged at opposite edges towards the other platen.

2,624,390

METHOD AND APPARATUS FOR MAKING PILE FABRICS

Francis P. Groat, Bloomsburg, Pa., assignor to The Magee Carpet Company, Bloomsburg, Pa., a corporation of Pennsylvania

Application January 30, 1950, Serial No. 141,292

22 Claims. (Cl. 154-1.1)



1. A process for producing a pile fabric comprising coating a backing material with adhesive, progressively depressing portions of pile yarns over loop forming wires and embedding the depressed portions in the coating of the backing material and cutting the portions of the pile yarns stretched over the loop forming wires while retaining the depressed portions of the yarns embedded in the coating.

19. Apparatus for the production of pile fabrics comprising a grid having a series of spaced loop forming members for supporting a series of

pile yarns, means for supporting an adhesive backing beneath said grid, means for progressively depressing portions of the pile yarns between the loop forming members into adhering contact with the adhesive backing and stretching the intermediate portions of the pile yarns in spanning relation to the loop forming members beneath the same, and means for cutting the intermediate portions of the pile yarns.

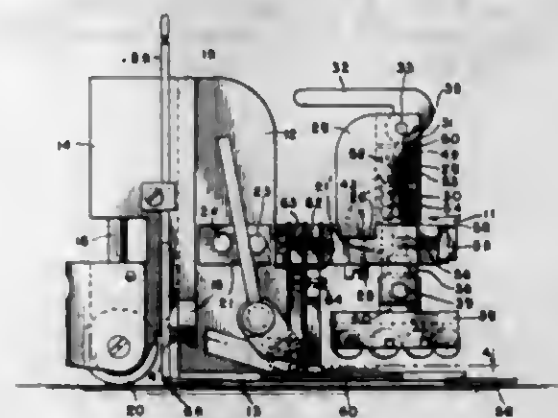
2,624,391

WELDING HEAD

Samuel H. Lampert, Southbridge, Mass., assignor to Golding Bros. Company, Inc., New York, N. Y., a corporation

Application September 25, 1951, Serial No. 248,247

3 Claims. (Cl. 154-42)



1. The combination in a welding head for a machine for seaming plastic material, of an attachment comprising a housing secured upon an H-shaped block of said welding head, a roller block standard reciprocally movable within said housing and projecting downwardly through said housing, a roller block pivotally attached to the lower end of said roller block standard, the roller block standard having an upper and lower bore and a channel connecting the two said bores, a plunger slidable engaging through said bores and channel, the said plunger having a head upon one end engageable against the top portion of the said lower bore, a threaded upper portion and a square shank upon its uppermost end, a square shaped plate upon the said square shaped shank, a plate having an orifice, coinciding with the said upper bore, secured to the upper end of the roller block standard and over-lapping same, a spring engaging around the said roller block standard and disposed between the said overlapping orificed plate and said H-shaped block of the heater head and adapted to urge the said roller block standard upwardly when same is mounted upon the welding head, a helical spring within the said upper bore engageable around the said plunger and a thumb nut threaded upon the said plunger and rotatable thereon, the said helical spring being disposed between the said thumb nut and the floor of the said upper bore.

2,624,392

SCHOOL DESK

William James Borgen, Waukegan, Ill.

Application December 23, 1949, Serial No. 134,721

3 Claims. (Cl. 155-3)

1. In a school desk having a seat, a book box disposed above said seat, and supporting means for said box, said box being formed of front and rear walls, opposite end walls, a bottom wall, said rear wall including a rearwardly offset portion

forming an article receiving channel between the upper and lower edges thereof said offset portion

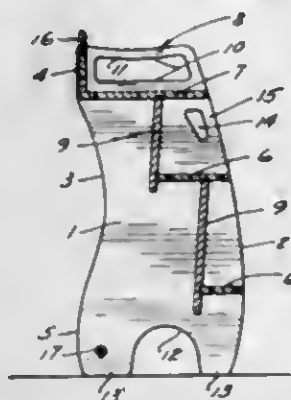


having an elongated cut-out to form an entrance to the box.

2,624,393

ROCKER CONVERTIBLE TO NONROCKING CHAIR

George Andrus, Minneapolis, Minn.
Application July 20, 1951, Serial No. 237,738
3 Claims. (Cl. 155-73)



1. A multi-purpose article of furniture comprising a pair of elongated generally parallel side members matching longitudinal side edges of which are convex throughout their length to provide rocker elements, the opposite longitudinal edges of said side members being concave and providing a non-rocking supporting base, a plurality of longitudinally spaced tread elements extending laterally inwardly from said convex sides and terminating in spaced relation to the opposite side edges, a seat-forming element extending transversely across said side elements adjacent to and in spaced relation to one end thereof, riser elements connecting said tread elements and said seat element, the ends of said side members adjacent said seat element being formed with hand rails and the opposite ends of said side members formed with supporting legs.

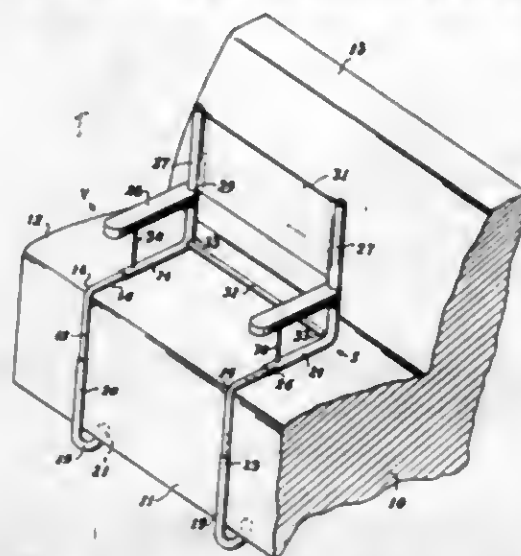
2,624,394

CHILD'S VEHICLE SEAT

Jeanne De Milto, Philadelphia, Pa.
Application September 14, 1951, Serial No. 246,594
6 Claims. (Cl. 155-133)

6. In a child's vehicle seat, a pair of side assemblies, a crosspiece connected to and extending between said side assemblies, each of said side assemblies including an L-shaped member adapted to fit over the upper front edge of a vehicle seat cushion and having a vertical leg and a horizontal leg, a pair of anchoring members having a hook at one end, a telescopic joint between the other end of each anchoring member and one of said vertical legs, means for maintaining said anchoring members in an adjusted position relative to said L-shaped members, a pair of bottom pieces, a telescopic joint between one end of each bottom piece and one of said horizontal legs, means for maintaining said bottom pieces in an adjusted position relative to said L-shaped mem-

bers, a vertical support upstanding from the other end of each bottom piece and integrally joined thereto, a fabric back carried by and extending

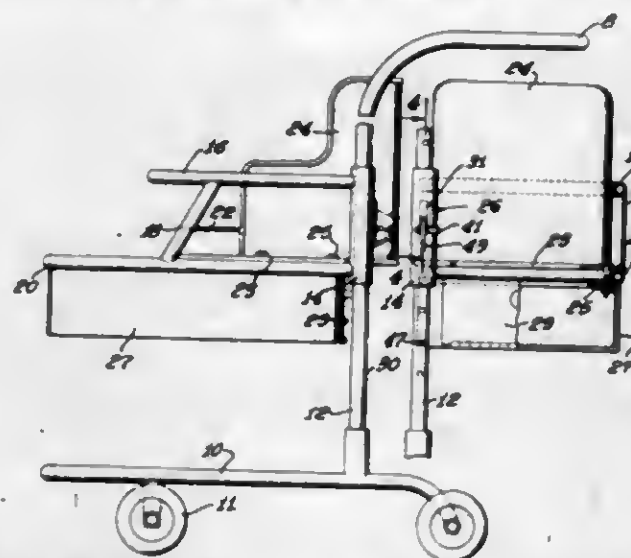


between said vertical supports, a side arm support extending forwardly from each vertical support and connected thereto, and a brace for each side arm support extending upwardly from each bottom piece.

2,624,395

BABY SEAT

Clarence B. Johnson, Long Beach, Calif.
Application September 13, 1947, Serial No. 773,893
8 Claims. (Cl. 155-38)



5. A device of the class described comprising a wheel-carrying base frame; posts extending vertically therefrom and terminating in a handle; two series of holes disposed lineally respectively in said posts in vertical direction, sleeves slidably carried by said posts; latches carried on said sleeves; pins carried by said latches and adapted to be received into said holes; an upper curved guard member carried by said sleeves; a lower curved guard member carried by said sleeves; connecting members positioned between said guard members and attached thereto; and a seat supported by said sleeves.

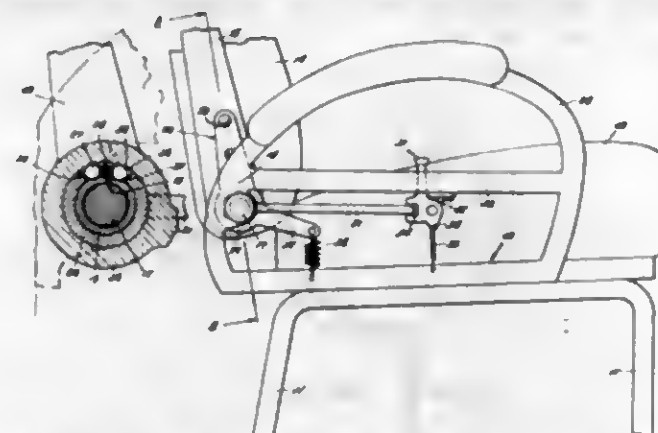
2,624,396

CHAIR HAVING AN ANGULARLY ADJUSTABLE BACK REST

Louis Spraragen, Bridgeport, Conn., assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application June 14, 1946, Serial No. 676,747
15 Claims. (Cl. 155-160)

1. An adjustable chair having a frame; a rest pivotally mounted thereon and movable relatively

thereto; wedging means located at the pivot for the rest for automatically locking the rest on the frame against movement in any and all adjusted positions of the rest; and a pivoted member mov-

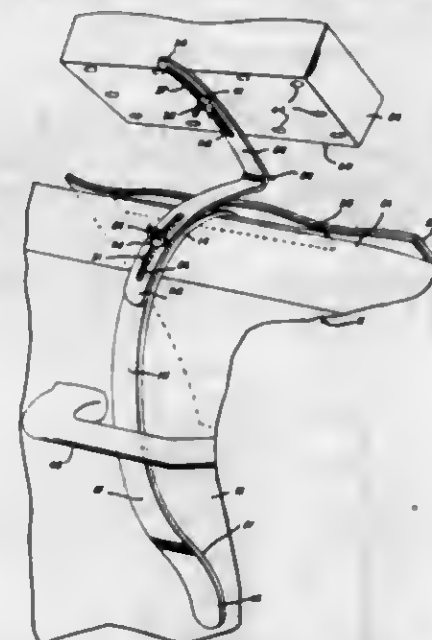


able through an arc in opposite directions independently of the rest for releasing the wedging means and freeing the rest for independent movement in either direction.

2,624,397

COMBINED HEADREST AND BACK REST

Arthur P. St. Aubin, Yakima, Wash.
Application January 10, 1951, Serial No. 205,308
6 Claims. (Cl. 155-174)



2. An improved headrest comprising a mounting member for positioning on the back of a seat, a supporting member on said mounting member and having a substantially straight portion and a curved portion, said portions having a slot therein, a headrest slidably mounted on said straight and curved portions of said supporting member, a threaded element on said headrest and extending through said slot, and a clamping element threadably received by said element for holding said headrest in its adjusted position.

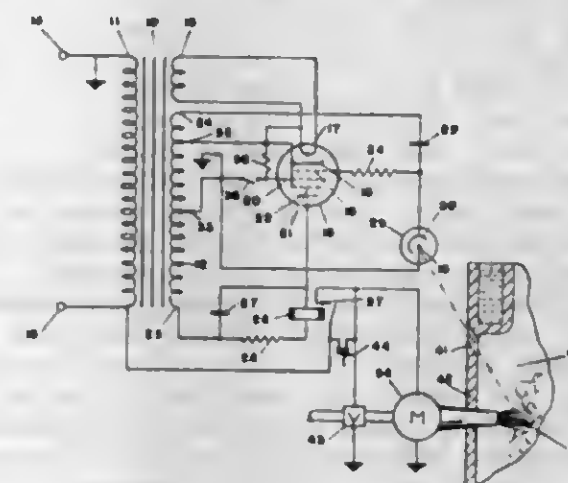
2,624,398

PHOTOCELL CONTROLLED SAFETY SYSTEM FOR FUEL BURNERS

E. Craig Thomson, Boston, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 22, 1947, Serial No. 770,088
2 Claims. (Cl. 158-28)

1. Fire safety apparatus partially enclosed within a housing having a removable cover, comprising a photocell for supervising a fire within a combustion chamber, said photocell being enclosed within said housing, means for controlling

the flow of fuel into said combustion chamber, a tube including first and second control space paths and a main space path, said photocell being connected to said first control space path whereby the input potential to said space path is responsive to fire within said chamber, a power source for supplying the energizing currents for said tube and photocell, said fuel controlling means being connected to and responsive to the flow of current in said main space path, an im-

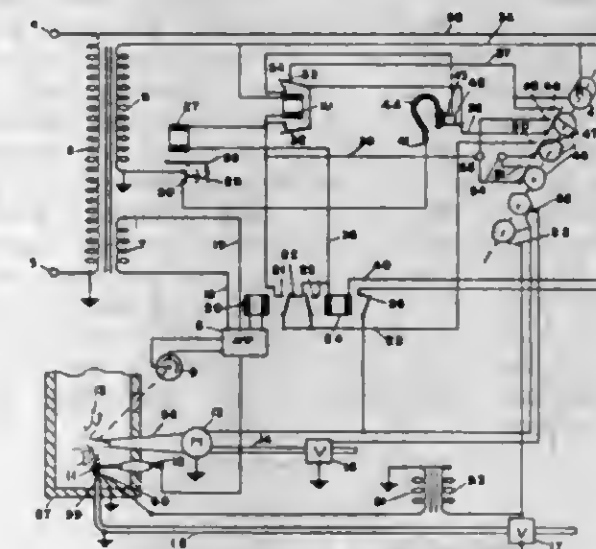


pedance element directly shunting said second control space path, and a switch connected so as to interrupt only the power supply circuit for said second control space path, said switch being arranged for mechanical coupling to the cover of said housing whereby removal of said cover with respect to said housing opens said switch, thereby influencing the current flow in the main space path of said tube and preventing the flow of fuel into said combustion chamber whenever said photocell is exposed to light sources from without said combustion chamber due to removal of said cover.

2,624,399

PROGRAM CIRCUIT FOR AUTOMATIC FURNACES

E. Craig Thomson, Boston, and Herbert James Webb, Sharon, Mass., assignors to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application November 29, 1947, Serial No. 788,836
2 Claims. (Cl. 158-28)



1. In programming apparatus for a furnace including main and pilot burners whose fuel flow is controlled by main and pilot fuel valves, means for igniting said pilot burner, a main burner blower motor, and a flame failure safe-

guard device; the improvement which comprises a cam assembly and at least six switches actuated thereby; a timer motor for rotating said cam assembly whereby said switches are sequentially closed; a thermostat switch; an auxiliary relay; a master power relay; a latching relay; an output relay actuated by said flame failure device in response to the detection of flame by said device; means including normally closed contacts of said latching relay, said thermostat switch, and normally closed contacts of said auxiliary relay for initially energizing said timer motor in response to a heat demand; means for initially preventing the operation of said latching relay after said timer motor has been energized; means including said normally closed contacts of said latching relay, said thermostat switch, and said first cam-actuated switch for subsequently energizing said timer motor; means including said normally closed contacts of said latching relay, said thermostat switch, and the second of said cam-actuated switches for subsequently energizing said auxiliary relay; means including normally open contacts of said auxiliary relay for shunting said second cam-actuated switch whereby said auxiliary relay is operated independently of said second cam-actuated switch; means including said normally closed contacts of said latching relay, said thermostat switch, said second, third and fourth cam-actuated switches, and normally closed contacts of said output relay for operating said power relay at the same time said auxiliary relay is operated; means including normally open contacts of said power relay for shunting said normally closed contacts of said output relay whereby said power relay is operated independently of said output relay; means including second normally open contacts of said master power relay and said sixth cam-actuated switch for operating said means for igniting said pilot burner and for opening said pilot fuel valve at the same time said master power relay is energized; means including said second normally open contacts of said master power relay for operating said main burner blower motor at the same time said pilot burner fuel valve is opened; means including normally open contacts of said output relay for shunting said third and fourth cam-actuated switches in response to the detection of said pilot flame by said flame failure safeguard device whereby an alternate energizing path for said master power relay is created dependent upon the operation of said output relay; said cam assembly including means for opening said fourth cam-actuated switch whereby continued energization of said power relay is dependent upon the continued operation of said output relay; means including said fifth cam-actuated switch and said second normally open contacts of said power relay for opening said main burner fuel valve simultaneously with the opening of said fourth cam-actuated switch; and means including the normally open contacts of said output relay for removing a shunt across said latching relay in response to a flame failure whereby the normally closed contacts of said latching relay open the energizing circuits for the programming components in response to a flame failure.

2,624,400

RESERVE FUEL TANK

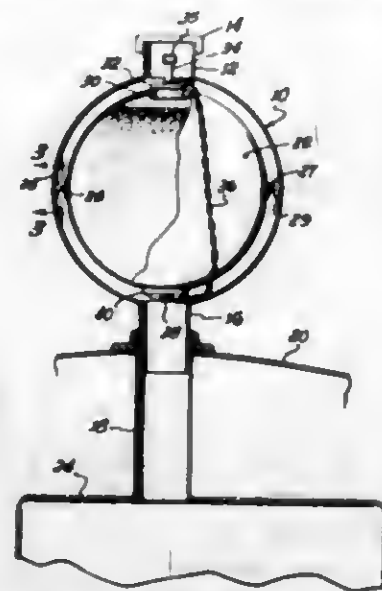
Joseph Franklin, Los Angeles, Calif.

Application September 26, 1949, Serial No. 117,776

5 Claims. (Cl. 158-46.5)

1. A reserve fuel tank, including: a housing having a bottom outlet and a top inlet; a tank

mounted in the housing for rotation about a substantially horizontal fixed axis, and provided with an inlet opening; a weight on the tank tending to maintain the tank with its inlet opening in registry with the top inlet; means for rotating



the tank into discharging position; and a member on the tank engaging the housing to limit oscillation of the tank on its axis and accessible through the top inlet for movement to a position which permits rotation of the tank to a discharging position by said means.

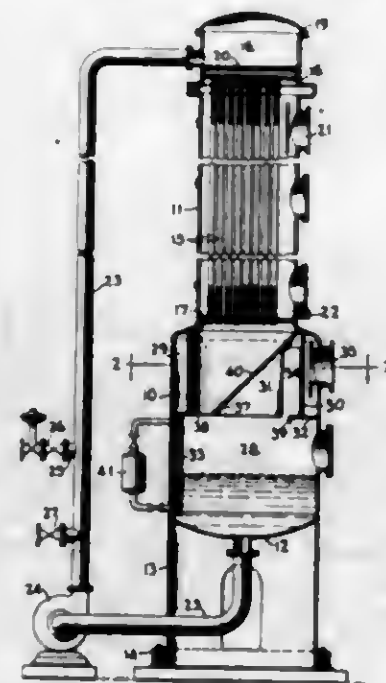
2,624,401

FALLING FILM EVAPORATOR WITH SUBJACENT SEPARATING CHAMBER

Earl A. Schilt, Buffalo, N. Y., assignor to Zaremba Company, Buffalo, N. Y., a corporation of New York

Application February 16, 1949, Serial No. 76,718

1 Claim. (Cl. 159-13)



In an evaporator of the character described, a vapor body adapted for communication at its upper portion with a chamber for a mixture of liquor and vapor and with its lower portion constituting a liquor-receiving chamber, a centrifugal separating chamber disposed circumferentially about the upper portion of said vapor body and having a vertical vapor inlet for the passage of vapor thereto and a vapor outlet, an inclined baffle wall disposed across the upper portion of the vapor body in overhanging relation to and with its underside facing said vapor inlet and with its lower end terminating substantially at

the lower elevation of the vapor inlet and laterally short of the adjoining side of said vapor body to provide a discharge for the liquor and vapor, and a lip-like baffle provided at the opposite side of the vapor body adjacent the lower end of the separating chamber to prevent the liquor being splashed into the same through said vapor inlet.

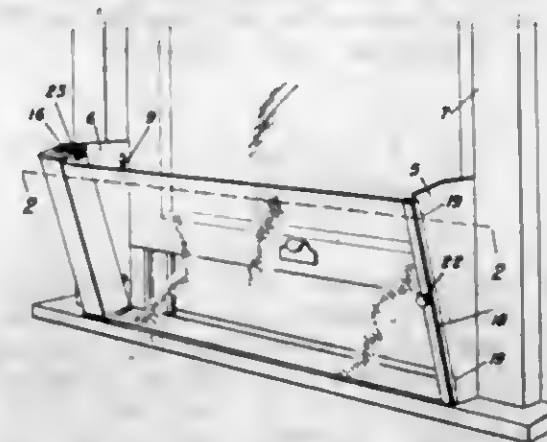
2,624,402

WINDOW VENTILATOR

Walter Lukasavicz, San Francisco, Calif.

Application February 15, 1952, Serial No. 271,720

1 Claim. (Cl. 160-23)



A window ventilator comprising a pair of tapered spaced end plates, a housing secured to one of said plates, a spring roller rotatably secured in said housing and having spring tension means extending through said housing, a flexible web secured at one end of said roller, a holding strip secured to the opposite end of said web, and adapted to engage the other of said plates whereby the lower edge of said web will engage the sill of a window to form therewith, together with said end plates, a draft deflector when said screen is extended between said plates.

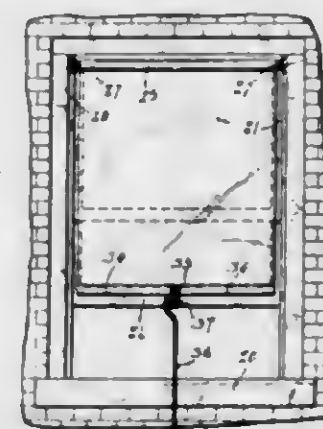
2,624,403

WINDOW PROTECTOR

Gustave Zelenko, Long Island City, N. Y.

Application May 24, 1951, Serial No. 227,975

1 Claim. (Cl. 160-100)



A window protector comprising an elongated sheet of flexible material for attachment at one end to a spring roller mounted between the sides of a window frame at the outer sides of the sashes thereof to be wound on the roller, a cord extending from the other end of said sheet of material for unwinding said sheet of material to extend it downward across the sashes thereby covering the outer sides thereof, means for anchoring said cord to hold said sheet of flexible material in position across the outer sides of the sashes, and means for reinforcing the vertical side edges of said sheet of flexible material in the lowered position

thereof, said reinforcing means comprising strips of material extended along the outer face of the sheet of flexible material along the vertical side edges thereof, vertically spaced loops mounted along the vertical side edges of said sheet of material through which said strips of material are slidably passed, means securing the top ends of said strips of material to the one end of said sheet of flexible material, said strips of material being longer than said sheet of flexible material having their bottom ends extend beyond the other end of the sheet of flexible material and being passed about the bottom edge of the lower of the sashes and being anchored to the window frame.

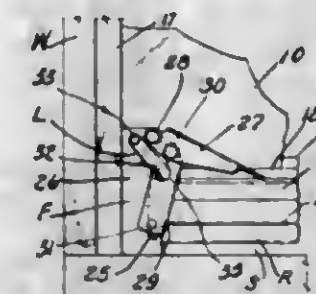
2,624,404

FLEXIBLE STORM WINDOW SECURING MEANS

Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y.

Application October 21, 1950, Serial No. 191,439

2 Claims. (Cl. 160-328)



1. A holddown bracket of the class described comprising a main frame adapted to be secured to a support, a locking lever hingedly secured to the upper end of said frame, a link pivotally connected to said lever at a point spaced from said hinge connection, a vertically disposed guide track in said frame and a pin in the lower end of the link for travel in said track and formed with a projecting head on the end thereof, an auxiliary lever on the frame adjacent the locking lever, a socket formed in the link at a point intermediate its length for engagement by said auxiliary lever to lock the lever and link in predetermined partly raised position.

2,624,405

TWO-WAY ADJUSTABLE SCREEN

Omer E. Lynch, Jonesboro, Ark., assignor of fifty per cent to Dan S. Keller, Otwell, Ark.

Application November 2, 1950, Serial No. 193,667

1 Claim. (Cl. 160-353)



A two-way adjustable screen comprising an inner screen frame with screen material extending

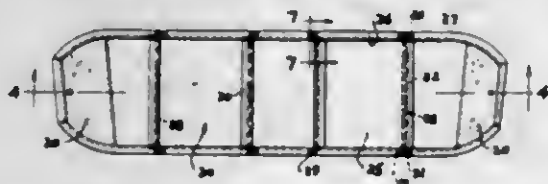
thereover and an outer frame comprising, overlapping and nested corner sections respectively adjustably connected with one another and receiving the inner screen frame, said sections being adjustable relative to the screen frame, clamping means securing the sections in their adjusted positions, said outer screen frame being of rectangular cross-section, clamp plates retaining the screen material in operative position and bolt means for removably securing said clamp plates to said outer frame, in order to permit of easy removal of the screen from the frame.

2,624,406

VEHICLE WINDSHIELD COVER

Joseph C. Szychowski and Adam Szychowski,
Detroit, Mich.

Application December 9, 1949, Serial No. 132,128
1 Claim. (Cl. 166-368)



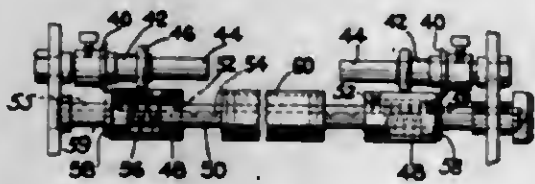
In combination with a vehicle windshield having upright outer side frames, a windshield cover consisting of a flexible fabric element adapted for positioning upon the outside of said windshield, tabs at opposite ends of said element folded around said frames and immovably secured with respect thereto, a plurality of upright parallel longitudinally spaced throughout the length of said element reinforcing wires secured to said element upon its inner window engaging surface, the ends of said wires being bent at right angles adjacent the top and bottom longitudinal edges of said element, bearing against said inner surface of said element and in a plane parallel thereto, fabric strips folded over said wires with their free edges respectively secured to each other and to said inner surface of said element, the bent portions of said wires extending from said strips, and a U-shaped binding secured around the entire periphery of said element and tabs with the opposite ends of said strips, as well as the outturned portions of said wires being immovably secured within said binding.

2,624,407

WALLPAPER TRIMMING MACHINE

Archibald Chalmers, Southbridge, Mass., assignor
to Hyde Manufacturing Company, Southbridge,
Mass., a corporation of Massachusetts

Application November 14, 1949, Serial No. 126,935
3 Claims. (Cl. 164-61)



1. A paper trimming device comprising a frame, a pair of axially spaced rods in the frame, a cross shaft below the two rods, a central, elongated paper supporting roll on the shaft, a short roll at each end of the elongated roll, the short rolls being of substantially the same diameter as the central elongated roll and axially adjustable on the shaft to and from the ends of the central elongated roll, means to yieldingly latch the short rolls in selected positions on the shaft, a

disc cutter associated with each of the short rolls, said cutters being mounted respectively at the ends of the short rolls opposite the ends thereof that face the central elongated rolls, a cylinder on each rod, one cylinder for each short roll, a resilient wheel on each cylinder for engagement with the respective short rolls, a disc cutter on each cylinder, the cylinder cutters and roll cutters being overlapping at the peripheries thereof and in flat engagement for trimming a paper web.

2,624,408

SHEET TRIMMER

Elmer L. Stein, Milwaukee, Wis.

Application November 25, 1947, Serial No. 787,993
4 Claims. (Cl. 164-79)



1. The combination with a cutting board having a working edge, of a shear knife comprising a blade strip extending longitudinally of said edge and having a free cutting margin spaced slightly outwardly of said edge, said strip being resiliently flexible whereby said margin is yieldable toward the said edge, the edge of the board being in such proximity to the blade strip as to constitute a fixed backing limiting yielding movement of the strip and engaged by the free margin of the strip at the extreme of its yielding movement in each cutting operation.

2,624,409

CUTTING APPARATUS FOR WELL CONDUITS

Frank E. O'Neill, Los Angeles, Calif., assignor to
Edith L. O'Neill, Los Angeles, Calif.

Application October 26, 1946, Serial No. 705,885
4 Claims. (Cl. 166-1)



1. An apparatus for severing a well conduit, comprising a tubular member and a rotary cutting member rotatably supported by said tubular member, said cutting member having at least one transversely disposed radial jet nozzle and at least one transversely disposed jet nozzle disposed at an angle to the axis of rotation of the cutting member and being directed generally in a circumferential direction, and means for delivering fluids from said tubular member to said rotary cutting member for delivery from said jets

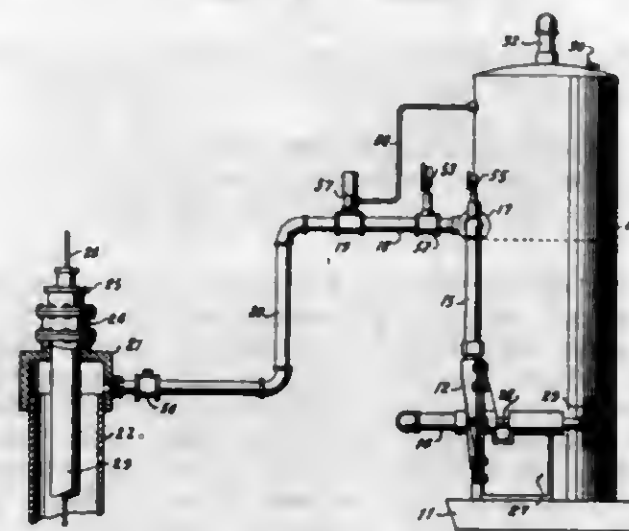
whereby delivery of such fluid from said radial jets will impinge upon a well conduit to abrasively cut the same while fluid ejected from said angularly disposed jet will rotate the cutting member.

2,624,410

APPARATUS FOR SECONDARY RECOVERY IN OIL WELLS

Jeddy D. Nixon, New Braunfels, Tex.

Application July 25, 1947, Serial No. 763,648
7 Claims. (Cl. 166-2)



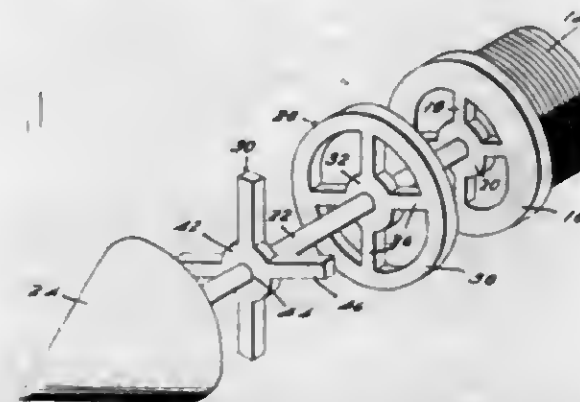
1. A secondary well recovery unit including a tank having a body of liquid therein, a liquid circulating conductor having its ends connected to and communicating with the lower and medial portions of the tank above and below the liquid level in said tank, a pump connected in said conductor, and an injector connected in the upper portion of the conductor between the pump and the tank and having an inlet well connection.

2,624,411

WELL STRAINER

William H. Ellis, Lovelaceville, Ky.

Application August 7, 1950, Serial No. 178,057
2 Claims. (Cl. 166-5)



1. A strainer comprising a stack of filter plates and spacers between the filter plates; each filter plate comprising a hub having an axial opening extending therethrough, arms radiating from said hub and a rim carried by the arms in concentric spaced relation to the hub; each spacer comprising a hub and arms radiating from said hub for engaging the rim of an adjacent filter plate; an elongate tie rod extending through the axial openings of said hubs, a conical pilot carried by and having the tie rod secured in and extending longitudinally from the center of the

668 O. G.—11

2,624,412

HYDRAULIC BOOSTER OPERATED WELL PACKER

Thomas M. Ragan, Downey, Calif., assignor to
Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application February 25, 1949, Serial No. 78,353
16 Claims. (Cl. 166-12)



1. In well apparatus: a body adapted to be lowered in a well conduit on a tubular string; normally retracted means on said body; means for expanding said normally retracted means against the well conduit, comprising hydraulically operable means engageable with said normally retracted means, a fluid motor responsive to the pressure of fluid in said tubular string, a fluid pump operable by said fluid motor for developing a fluid pressure adapted to act on said hydraulically operable means, the fluid pressure area in said motor over which said fluid pressure in said tubular string is capable of acting being substantially greater than the fluid pressure creating area of the pump.

2,624,413

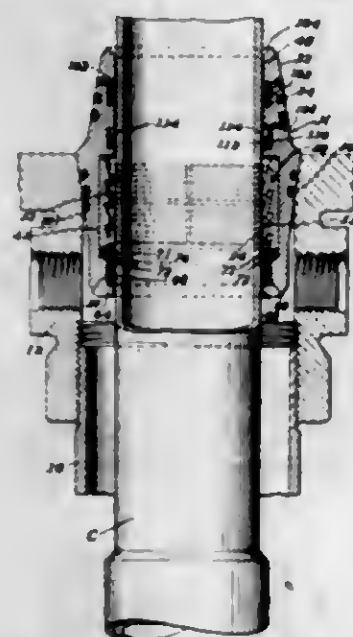
OIL WELL HANGER

Robert A. Mueller and Robert L. Crain, Houston, Tex., assignors to Gray Tool Company, Houston, Tex., a corporation of Texas

Application June 28, 1946, Serial No. 680,334
5 Claims. (Cl. 166-14)

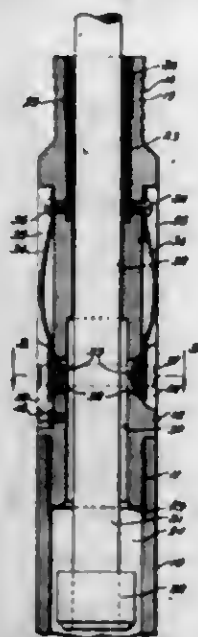
1. A tubular hanger having a vertical bore therethrough to receive an end of an oil well pipe to be supported from the hanger, said hanger having an enlarged counter-bore and a slip cage therein comprising a cylindrical sleeve having in any vertical plane therethrough a series of inwardly presented vertically aligned, downwardly and inwardly inclined slip guiding areas formed on its interior wall, a plurality of slip segments comprising semi-cylindrical members having inner walls formed with pipe engaging teeth and having outer walls comprising in any vertical plane therethrough a plurality of co-

operating outwardly presented vertically aligned downwardly and inwardly inclined guiding areas,



2,624,414
WELL BAILER

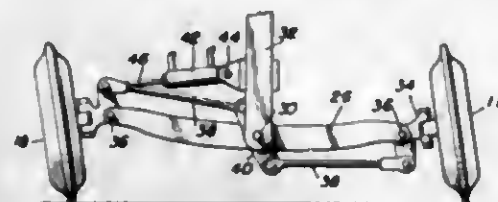
Warren B. Harrell, Long Beach, and Alvin H. Trester, Huntington Beach, Calif., assignors to Harrell Sales Co., Huntington Beach, Calif., a co-partnership composed of Warren B. Harrell and Doris D. Trester
Application March 13, 1948, Serial No. 14,688
3 Claims. (Cl. 166-19)



1. A well bailer comprising a vertically extending barrel to be lowered into a well and having a bottom inlet, a check valve permitting upward flow through said inlet but preventing reverse fluid flow downwardly therethrough, a plunger extending downwardly through an opening in said upper end of the barrel and vertically reciprocable in said opening and into and out of the barrel to vary the effective volume thereof, the surfaces of said plunger extending into said barrel being imperforate to prevent passage of fluid through said plunger, means forming a seal preventing substantial fluid flow through said barrel opening about the plunger, said barrel having an outlet at a location spaced above said inlet and spaced from said upper plunger passing opening, said plunger being spaced a substan-

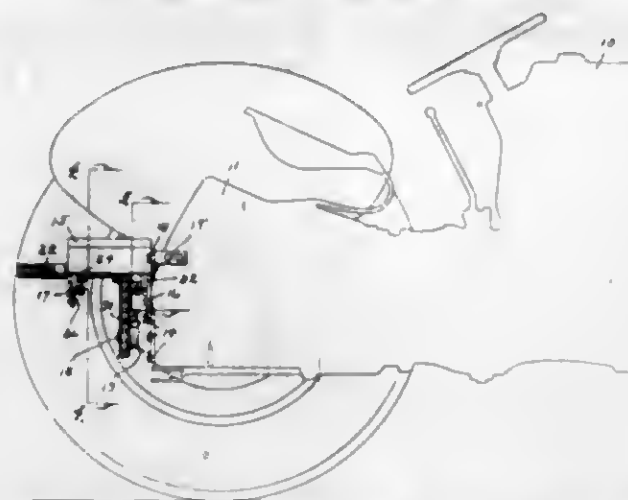
tial distance from the inner wall of the barrel so that on its down stroke fluid is displaced upwardly in the barrel about the plunger and through said outlet, and check valve means permitting fluid flow from the barrel through said outlet but preventing reverse fluid flow into the barrel through said outlet.

2,624,415
EARTH MOVING APPARATUS
Emanuel M. Moore, Pine Bluff, Ark.
Application June 7, 1949, Serial No. 97,556
1 Claim. (Cl. 180-1)



In an earth moving apparatus, the combination of an elongated chassis having front and rear ends and including a pair of front wheels, motor driven means on said chassis for propelling the same and means for tilting said front wheels about substantially horizontal axes, said means including an axle for said front wheels, knuckles connecting said front wheels to said axle, a pair of connecting rods pivotally connected to said knuckles and to a bellcrank, said bellcrank being pivotally mounted on said axle, and means connected to one of said knuckles for tilting the wheel mounted thereon and for tilting the other of said front wheels through said connecting rods and bellcrank connection.

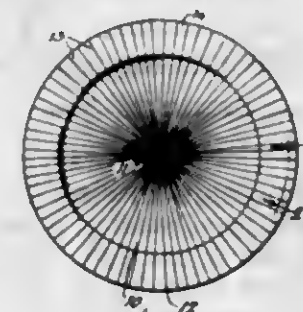
2,624,418
AUXILIARY POWER TAKE-OFF FOR TRACTORS
Alfred E. Larsen, Audubon, Iowa
Application September 21, 1949, Serial No. 116,885
3 Claims. (Cl. 180-53)



1. In an auxiliary elevated power take-off for use with a tractor having a power take-off shaft, a U-shaped bracket having two free legs; holes in each of said legs, the axes of each of said holes extending laterally of, and at right angles to, the length of said legs, a bearing supporting frame rigidly secured to said U-shaped bracket and having opposing ends and a top secured to said ends, two shelves each rigidly secured to a corresponding inside surface of each of said ends; each of said shelves being vertically spaced from said top of said bearing supporting frame, a pair of bearings each bearing vertically and adjustably secured above a corresponding one of said

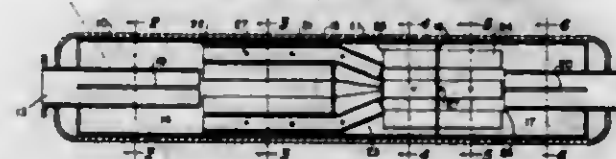
shelves, shims resting on each of said shelves and supporting the bottom of each of said bearings, a shaft journaled in said bearings, a first sprocket secured to said last named shaft, a chain engaging said first sprocket, a second sprocket secured to said power take-off shaft of the tractor and engaging said chain, and screws extending through holes in the legs of said bracket and engaging the tractor and adapted to secure the bracket to the tractor; said U-shaped bracket secured to said tractor at a point above the power take-off shaft of said tractor.

2,624,417
ACOUSTIC DIAPHRAGM WITH FLEXIBLE RIM PORTION AND RIGID BODY PORTION
Joseph B. Brennan, Cleveland, Ohio
Application February 20, 1947, Serial No. 729,848
2 Claims. (Cl. 181-32)



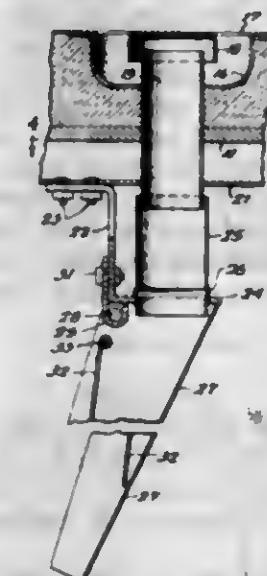
1. An acoustic diaphragm having a concave body portion and a peripheral, mounting rim portion extending laterally of the body portion, said body and rim portions formed by a plurality of separate flexible elongated fibrous strands extending generally radially across the rim and body portions and circumferentially spaced from each other, and a relatively thin sheet of felted fibrous material inclosing and bonded to the strands in the rim and body portions and bridging the spaces between them, the flexible strands reinforcing the body portion and imparting flexibility to the rim portion.

2,624,418
MUFFLER WITH PLURAL PASSAGES
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application August 1, 1951, Serial No. 239,674
2 Claims. (Cl. 181-46)



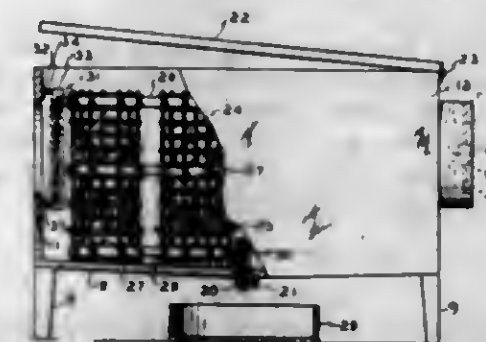
2. A silencer having a substantially cylindrical shell, a pair of transverse partitions dividing the interior of the shell into three chambers, a pair of conduits coaxial with the shell and entering each end chamber respectively with an open end at a point intermediate its length, two series of circumferentially spaced tubes located adjacent the peripheries of said end chambers and staggered circumferentially with respect to each other, the tubes in each series terminating at substantially the midpoint of the middle chamber with open ends, the tubes of one series being bent inwardly at one end to open into the middle chamber closer to the axis of the cylindrical shell than the tubes in the other series.

2,624,419
DRAIN SPOUT FOR REFRIGERATOR CARS
John S. Lundvall, Park Ridge, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1949, Serial No. 114,590
5 Claims. (Cl. 182-8)



1. A drain spout for a refrigerator car having a drain pipe extending through the bottom of the car comprising a bracket adapted to be connected to the bottom of the car, a drain pipe extension carried by the bracket in register with the drain pipe, a spout in the form of an open channel extending downward at an acute angle to the vertical from the bracket with its upper end underlying the lower end of the drain pipe extension, and a wind guard plate pivoted in the channel adjacent its upper end and extending lengthwise of the channel.

2,624,420
APPARATUS FOR CONTROLLING HUMIDITY
Augustus G. Elegar, Arlington, Va.
Application February 13, 1950, Serial No. 143,872
1 Claim. (Cl. 183-4.0)



Apparatus for controlling and affecting the humidity of air comprising a casing having a bottom, side walls and a top, means for holding a body of liquid in the lower part of the casing and establishing a maximum liquid level therein, an air entrance opening in one side wall, an air vent in an opposed side wall, the air entrance opening and the air vent being above the maximum liquid level, a plurality of elongated spaced foraminous containers adapted to contain humidity affecting material, the longitudinal axes of the foraminous containers being parallel and vertical, each foraminous container extending substantially above the air entrance opening and air vent and extending downwardly toward the bottom of the casing to a point substantially below the air entrance opening and the air vent, the foraminous containers being spaced from one

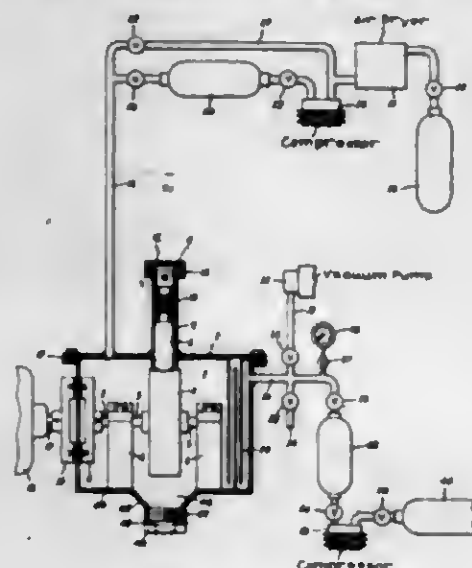
another and arranged in rows extending transversely to the path of air flowing between the air entrance opening and the air vent with containers in adjacent rows staggered so that air flowing between the air entrance opening and the air vent will impinge on the humidity affecting material in a plurality of foraminous containers, a fan for circulating air through the casing from the air entrance opening to the air vent, each foraminous container having an open end for filling the container with humidity affecting material and a humidity affecting material supporting member extending across the foraminous container in the lower portion thereof, but above the maximum liquid level, and means unattached to the casing interbracing and rigidly interconnecting the foraminous containers so as to combine the individual containers into an invertible unit.

2,624,421

MACHINE AND METHOD FOR PURIFYING THE INERT GASES

Robert H. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application August 12, 1948, Serial No. 43,855
24 Claims. (Cl. 183-4.3)



1. A method for removing from the inert gases impurities contained therein, consisting of gases other than the inert gases, comprising the step of subjecting the gas mixture to activated adsorption by chemically active, selectively adsorptive, ultra-fine graphite particles.

2,624,422

LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES AND FILTER STRUCTURE FOR USE THEREIN

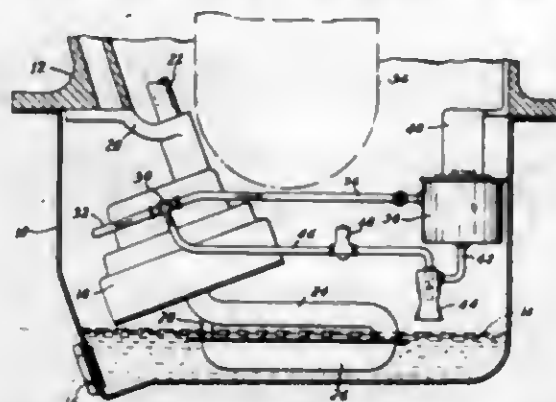
Cecil Patrick Molyneux, Southampton, N. Y., assignor to Filtora, Incorporated, Long Island City, N. Y., a corporation of New York
Continuation of application Serial No. 777,965, October 4, 1947. This application October 24, 1952, Serial No. 316,722

12 Claims. (Cl. 184-6)

1. In a lubricating system for internal combustion engines, including a crank case for retaining a body of lubricating oil, a pump for drawing oil from the body of oil in the crank case and for supplying oil to the parts of the engine to be lubricated, and a filter for purifying the lubricating oil in the system, the improvement which comprises means for passing a portion of the oil from the pump through the parts of the engine to be lubricated, means for passing another portion of

the oil from the pump to the filter, an outlet conduit for the filter for conducting oil from the filter to the crank case, an ejector associated with said conduit for applying a suction to the outlet of the filter, and an oil line leading from the outlet of the pump having a pressure relief valve therein for maintaining a predetermined pressure on the oil from the pump, said oil line being connected into the ejector beyond the valve and arranged to supply oil under pressure to operate the ejector thereby increasing the flow of oil through the filter over that which would normally be possible.

12. A filter unit for attachment to the block of

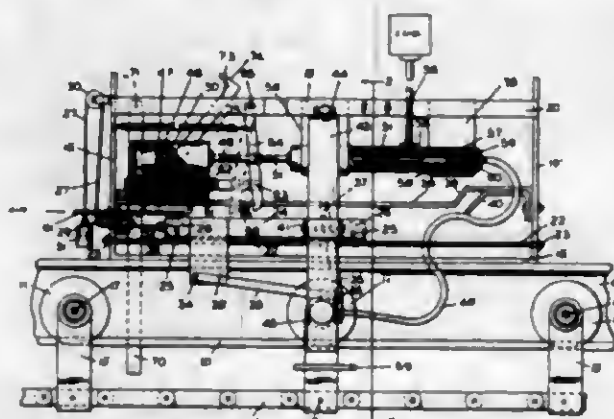


an internal combustion engine for filtering the engine oil comprising a casing, a mounting flange on which the casing is carried, said flange having an attachment face adapted to fit the surface of the engine block to which the filter unit is to be attached, a recess in said attachment face, a first passageway for conducting oil from the engine into said casing, said first passageway having an inlet opening through said attachment face outside said recess, and a second passageway for conducting filtered oil from said casing back to the engine, said second passageway terminating at its discharge end in a projection extending into said recess in spaced relation to its side walls.

2,624,423

LUBRICATING DEVICE

Marlin C. Moore, Elm Grove, Wis.
Application February 26, 1951, Serial No. 212,758
4 Claims. (Cl. 184-15)



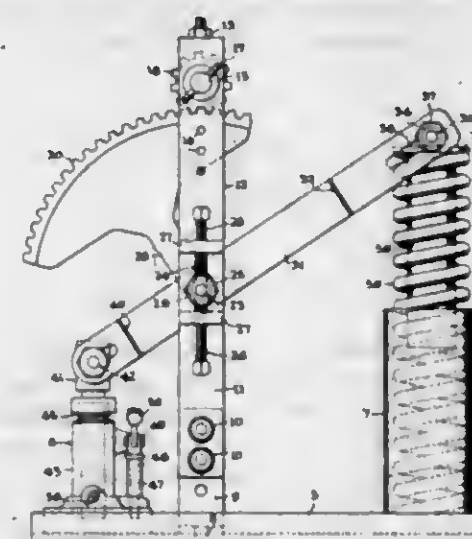
1. A lubricating device for lubricating the bearings which support the rollers attached to a conveyor, said device comprising in combination, a frame, a carriage, said carriage movably mounted on said frame to allow its longitudinal travel within said frame, a pair of guide members of irregular contour mounted on said frame, a pair of vertical members hingedly attached near their central portion to said carriage, the top of said vertical members contacting said guide members, the lower portion of said vertical members provided with lubricating nozzles, a lubrication metering device mounted on said frame, a source

of pressure leading to and actuating said metering device, a source of lubricant leading under pressure to and entering said metering device, tubular members extending from said metering device to said lubricating nozzles, the bearings of said conveyor being equipped with receiving fittings for the lubricant, engaging means on said carriage for contact with said conveyor for moving said carriage, means for disengaging said carriage from said conveyor at a pre-determined position, and means for retiring said carriage to its original position, the longitudinal movement of said carriage pivotally actuating said vertical members for engagement and disengagement of said lubricating nozzles with said lubricating fittings.

2,624,424

ENGINE STARTER

Edward Albert Killewer, Sr., Longview, Tex.
Application February 3, 1949, Serial No. 74,367
9 Claims. (Cl. 185-40)



1. In an engine starter, a starter shaft, means for effecting a temporary couple between the starter shaft and the shaft of an engine to be started, compression spring means, manually operable jack means for storing energy in the compression spring means, a single manually operable means for releasing the stored energy in the spring means and for controlling the rate of release of said stored energy, and means connecting the spring means with the driver shaft for imparting rotation thereto and therethrough to the engine shaft as said stored energy is released.

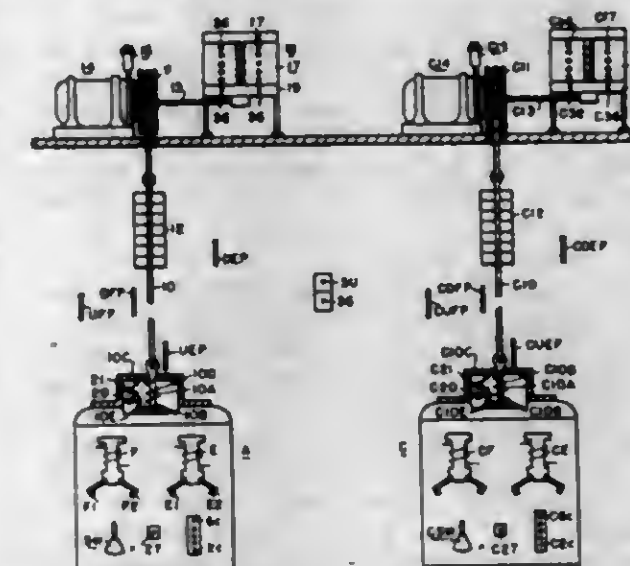
2,624,425

ELECTRICAL ELEVATOR SYSTEM HAVING SELECTIVE CONTROL OF RESPONSE TO CALLS

William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 7, 1950, Serial No. 166,620
30 Claims. (Cl. 187-29)

24. In an elevator system for a structure having a plurality of landings, an elevator car, driving means for moving the elevator car to serve the landings, call registering means for registering calls from each of the landings, a plurality of groups of stopping elements, each of the landings having a separate stopping element in each of the groups, connections responsive at least in part to operation of a call registering means for any of the landings for placing the stopping elements for the associated landing in stopping condition, control means cooperating selectively with the groups of stopping elements for initiating a

stopping operation of the elevator car at the landings for which the registering means have been operated, and selecting means controlled by traffic conditions for determining which of the groups of stopping elements is selected to cooperate with the control means for initiating stopping operations of the elevator car, the stopping elements in each of the groups being arranged in a row corresponding in sequence to the landings represented thereby, said control means including a traveler for each of said rows

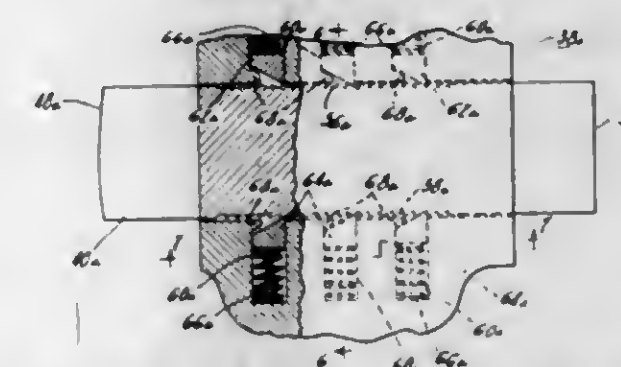


of stopping elements, and means for moving each of said travelers relative to the associated row of stopping elements in accordance with movement of the elevator car relative to the landings corresponding to the stopping elements, each of said stopping elements if in stopping condition and if selected by the selecting means being effective when reached by its associated traveler for initiating a stopping operation of the elevator car at the corresponding landing, the selecting means being controlled by the load on the elevator car.

2,624,426

AUTOMATIC ADJUSTING DEVICE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 22, 1947, Serial No. 736,484
3 Claims. (Cl. 188-79.5)



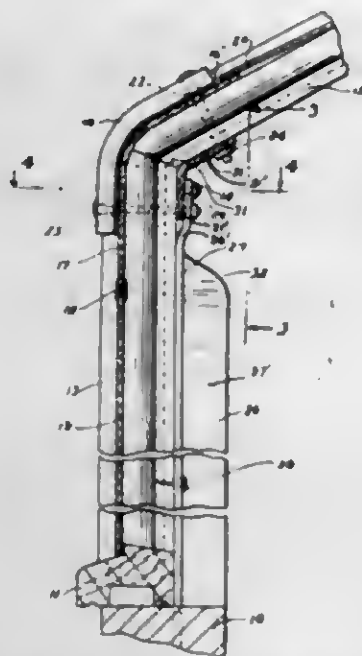
1. For use in a brake having a rotatable brake drum, a non-rotatable supporting member, and a brake shoe carried by the supporting member and adapted to at times frictionally engage the drum, said brake shoe having a friction material lining which is adjacent the drum and which is gradually worn down as a result of successive frictional engagements with the drum; an automatic adjusting device for maintaining a substantially constant clearance between drum and lining in released position comprising a unitary housing member secured to the shoe and having a radially extending opening therethrough, said

housing member having six separately located laterally extending slots therein, three of which are located at each side of the radially extending opening, a plunger member extending through said opening and through the shoe and shoe lining to bring its outer end substantially flush with the face of the lining, the other end of the plunger member being arranged to engage the supporting member and thereby determine the released position of the shoe, said plunger member having ratchet-toothed surfaces formed on opposite sides thereof, the teeth of one surface being slightly offset radially with respect to the teeth of the other surface, six U-shaped pawl members, each of which is carried in one of the slots in the housing member, said pawl members being arranged to cooperate with the ratchet-toothed surfaces of the plunger member to permit the shoe to move radially outwardly with respect to the plunger member but prevent the shoe from moving radially inwardly with respect to the plunger member, corresponding points on the radially spaced pawls being spaced apart a distance which differs slightly from a multiple of the pitch of a single tooth, each of the said six pawls thus being arranged to drop successively into the next teeth on the ratchet-toothed surfaces as the relative movement of shoe and plunger member takes place, and six springs, each located in one of the slots in the housing member and bearing against a recessed portion of said pawl to urge the respective pawl into engagement with one of the ratchet-toothed surfaces of the plunger member, the inner edges of the slots in the housing member being partially closed to positively retain the pawls in assembly.

2,624,427

GREENHOUSE STRUCTURE

Saul Jacobs, Forest Hills, N. Y.

Application December 31, 1949, Serial No. 136,353
1 Claim. (Cl. 189-4)

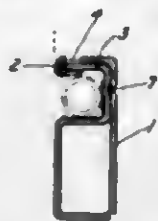
A greenhouse structure comprising a substantially horizontally extending rafter and a vertically extending frame-member, said rafter and frame-member having intersecting ends at an obtuse angle, an obtusely-angled flanged eave member closely fitting within the corner formed by said intersecting ends and having one flange thereof extending longitudinally of said rafter and engaging the underside thereof and the other flange of said eave member engaging a side of said frame-member, glass panes including

curved panes and closing the intersecting ends of said rafter and frame member supported by and positioned on opposite side portions of said rafter and frame-member, an outer curved plate having inwardly directed oppositely disposed flanges having free edges engaging the curved panes externally, a vertically extending T-post having a flange and an integral web, said flange being positioned in engagement with the frame member, an upper portion of said web being cut away to present an unobstructed bent portion of said flange offset embracing the obtuse eave member, and spaced bolts connecting the outer flanged plate and the obtuse inner eave member and the flanged offset holding said curved panes, flanged plate, and eave member in weatherproof assembly on the rafter and frame member.

2,624,428

METAL WINDOW SCREEN FRAME

Samuel L. Mason and Frank L. Mason, Birmingham, Ala.

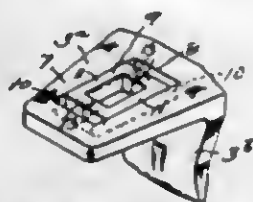
Application June 25, 1951, Serial No. 233,376
3 Claims. (Cl. 189-34)

1. A metal member for a window screen frame, said metal member consisting of a piece of flat thin metal formed with a hollow space in the entire length of the form and with a groove adjacent one wall of said hollow space, one edge of the said piece being bent over upon itself to thus form a U-shaped channel, the opposite edge of the piece being inserted in the channel, a plurality of indentations in the U-shaped edge extending into the edge portion within the U-shaped channel, each of said indentations having both of its ends cut clear of the metal piece.

2,624,429

METAL CONNECTION FOR BUILDING FRAMES

Van Rensselaer P. Saxe, Baltimore, Md.

Application May 25, 1950, Serial No. 164,157
4 Claims. (Cl. 189-36)

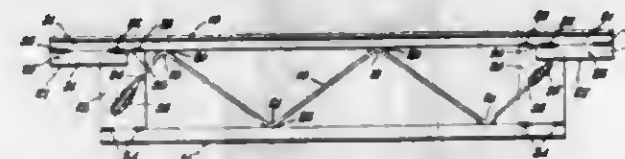
1. A bracket connection between a bracket and a structural element, said connection comprising an arm carried by the bracket and engaging the structural element, said bracket arm having an opening entirely therethrough, opposite sides of the opening in the bracket arm being straight and substantially parallel, insert members disposed in the opening of the bracket arm, said insert members being U-shaped and in opposed position with arms extending towards each other, interengaging means between the arms of the U-shaped members and slidable interengaging means between the transverse portions of the U-shaped members and opposite sides of the opening through the bracket arm, said U-shaped

members being welded to the structural element thereby forming means whereby the structural element and bracket may move in relation to each other.

2,624,430

FABRICATED JOIST

Robert C. Macomber, Canton, Ohio, assignor to Macomber Incorporated, Canton, Ohio, a corporation of Ohio

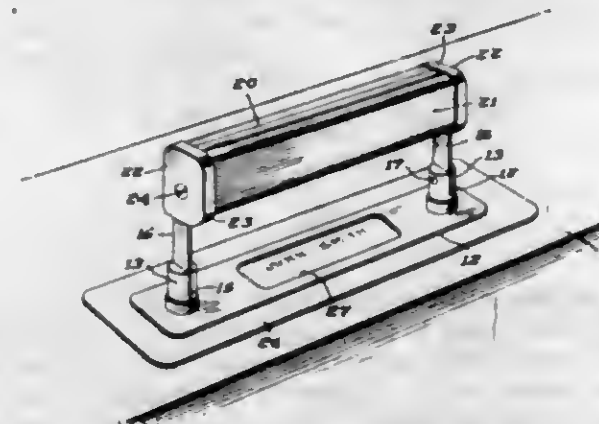
Application June 18, 1949, Serial No. 99,976
2 Claims. (Cl. 189-37)

2. A fabricated joist comprising spaced, parallel upper and lower chords, the ends of the upper chord extending beyond the ends of the lower chord, a reversely bent web bar connected to both chords, a bearing end comprising an inverted channel shape bearing plate having oppositely disposed horizontal bearing flanges at its lower edge, and a flat, elongated, vertical plate having a portion of its upper end located within said inverted channel shape bearing plate and welded to one inner side wall thereof, the remainder of the upper end of said vertical plate, beyond the end of the channel shape bearing plate, comprising an upward extension flush with the top of the bearing plate, the top of the bearing plate and top edge of said upward extension of the vertical plate being welded to the underside of an end portion of the upper chord, the lower end of the vertical plate being welded to the adjacent end of the lower chord at one side thereof, the adjacent end of the web bar being welded to one side of the vertical plate.

2,624,431

LUGGAGE HANDLE

Abraham Caro, Dorchester, Mass.

Application July 9, 1948, Serial No. 37,785
5 Claims. (Cl. 190-58)

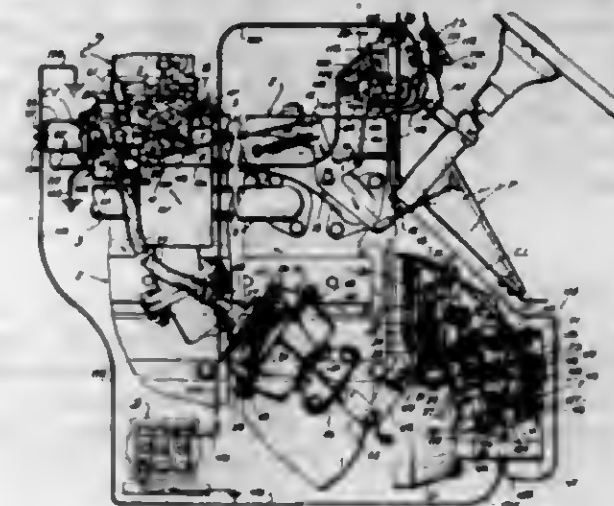
1. A handle structure comprising a handle element having channels in its ends, a pair of arms for attaching said handle element to an object, the outer end portions of said arms being of substantially the same widths as said channels and being disposed in the latter, respectively, cap members separate from said arms and covering the outer end portions of the latter and the ends, respectively, of said handle element, marginal common means fastening said cap members and the same widths as the outer end portions of said arms and through which the latter extend, and

flanges on said cap members embracing the end flanges having therein recesses of substantially portions, respectively, of said handle element, said said arms against the ends of said handle element.

2,624,432

AUTOMOTIVE FRICTION CLUTCH

Glenn T. Randol, St. Louis, Mo.

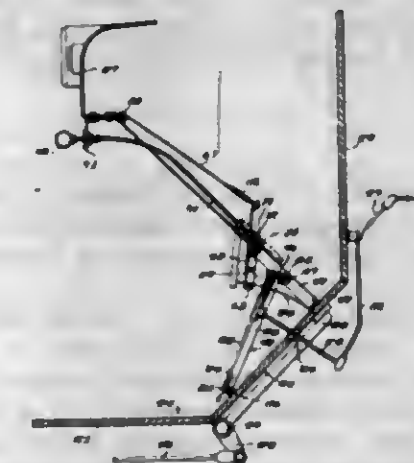
Application July 18, 1948, Serial No. 684,465
45 Claims. (Cl. 192-077)

1. In control mechanism for a clutch having a plurality of frictionally engageable elements for transmitting torque from an internal-combustion engine drivingly connected thereto and controlled by an accelerator; means including a fluid pressure-operated motor controlled by valve means, connected to a source of fluid pressure different from atmospheric pressure for disengaging the clutch; means for controlling the re-engagement of the clutch comprising valve means having a valve element; means responsive directly to torque transmitted by said clutch elements during initial engagement thereof for placing said valve element in an operating condition to cause said motor to perform its said controlling functions, said last named means comprising a solenoid for operating said valve element, an electrical circuit for said solenoid including a switch closed when the torque transmitted by said clutch exceeds a predetermined value.

2,624,433

ACCELERATOR CONTROL FOR AUTOMOBILES

Joseph R. Godbout, Washington, D. C.

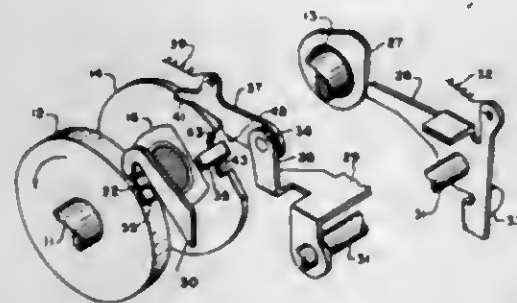
Application November 7, 1950, Serial No. 194,515
6 Claims. (Cl. 192-3)

1. In a vehicle, the combination with a floor board, an accelerator pedal having its lower end

pivotaly connected to said floor board, a brake pedal having an arm projecting through said floor board, and a dashboard, a mechanism for holding the accelerator pedal in a predetermined position, said mechanism comprising an L-shaped support member secured to said floor board, a hollow sleeve secured to said support member, a rod slidably arranged in said sleeve, a first coil spring circumposed on said rod, a bracket arranged contiguous to said accelerator pedal and having one end pivotaly connected to said floor board, and its other end pivotaly connected to said rod, a plate pivotaly connected to said sleeve and having an opening for the projection therethrough of said rod, a second coil spring circumposed on said rod for normally urging said plate into locking relation with respect to said rod, and means for disengaging said plate from locking engagement with said rod upon actuation of said brake pedal.

2,624,434 CLUTCH

Jerome L. De Boo, Chicago, and Carl W. Swan, Skokie, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 10, 1949, Serial No. 132,294
10 Claims. (Cl. 192-22)



10. In a clutch, drive means, driven means including engaging means for coupling the driven means to the drive means, an actuator for moving the engaging means into and out of engagement with the drive means, a cam connected to and moved by said driven means, stop means for engaging and holding the actuator to permit the disengagement of said drive and driven means, a latch adapted to engage said driven means, a follower device connected to the latch, resilient means connected to said follower for urging said follower into engagement with the cam, said cam acting to move the follower device against the effect of the resilient means prior to the engagement of the stop means with the actuator, said cam further acting to allow the extended resilient means to move the follower device subsequent to the engagement of the stop means with the actuator whereby the latch engages and moves the driven means, and means for limiting the extent of movement of the driven means by the latch.

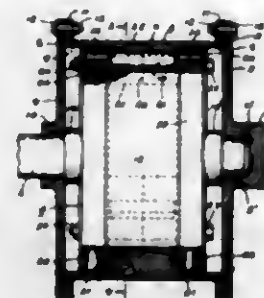
2,624,435

HYSTERETIC OVERRUNNING CLUTCH

Hugh M. Stephenson, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 10, 1950, Serial No. 137,778
1 Claim. (Cl. 192-45)

A hysteretic free-wheeling clutch comprising first and second relatively rotatable clutch members, said first member being provided with a plurality of wedge slots, a plurality of locking elements formed of magnetic material and confined in said slots, a pair of cooperating magnetic ac-

tuating elements, one of said elements being formed of a high coercive force material and the other of said elements including magnetic field-producing means therein, said locking elements being movable with one of said magnetic elements and the other of said magnetic elements being movable with said second clutch member, said locking elements being adapted to being actuated by cooperative hysteretic action of said magnetic elements in response to relative motion therebetween in one directional sense to effect locking

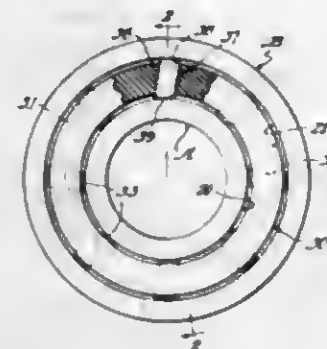


engagement with said clutch members and said locking elements being adapted to being actuated by cooperative hysteretic action of said magnetic elements in response to relative motion therebetween in the opposite directional sense to permit free-wheeling of said clutch members, and magnetic means cooperative with said locking elements to maintain said elements out of contact with said second clutch member in the position of said locking elements corresponding to the free-wheeling condition of said clutch.

2,624,436

SPRAG TYPE CLUTCH

David E. Gamble, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 2, 1947, Serial No. 719,727
12 Claims. (Cl. 192-45.1)

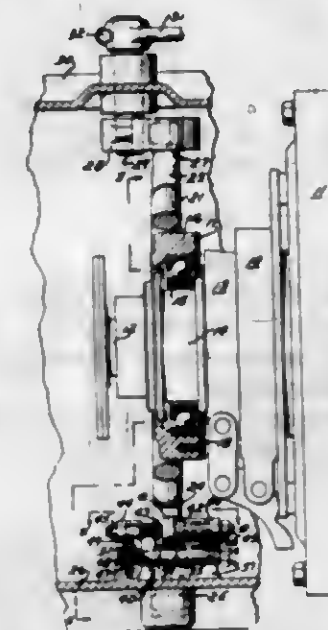


1. A sprag clutch assembly comprising a driving member and a driven member in concentric spaced relationship, a one-way driving connection between said members comprising an annular carrier member formed of suitable resilient material having elastic characteristics similar to rubber and having a plurality of apertures extending transversely therethrough, and a plurality of sprags having generally rectangular leading and trailing faces and adapted to be received respectively in said recesses and to be operatively carried by said carrier when in assembled relationship with the sides of the apertures enclosing the sprags, said sprag carrier exerting elastic pressure against said leading and trailing faces of the sprags when assembled in operative position between said driving and driven members.

2,624,437

AUTOMATIC CENTERING MEANS FOR BEARINGS

John R. Gardner, Pekin, Ill., assignor to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application July 19, 1948, Serial No. 39,551
1 Claim. (Cl. 192-98)



In a shifting device which includes a rotatable shifting collar, a bearing loosely associated with said collar, and a lever pivoted at one end and supporting said bearing whereby swinging of the lever about its pivoted end will shift the collar, resilient members associated with the lever to retain it in a position for holding the bearing out of contact with the collar after shifting thereof, a slidable support for said resilient members, and a clamping device including resilient means normally preventing sliding of said support but permitting it to slide to an adjusted position under influence of the lever to compensate for adjustment of the position of the collar.

2,624,438

SLUG REJECTOR SCAVENGER

John L. Anderson, St. Louis, Mo., assignor to National Rejectors, Inc., St. Louis, Mo., a corporation of Missouri
Application June 29, 1949, Serial No. 102,097
1 Claim. (Cl. 194-101)



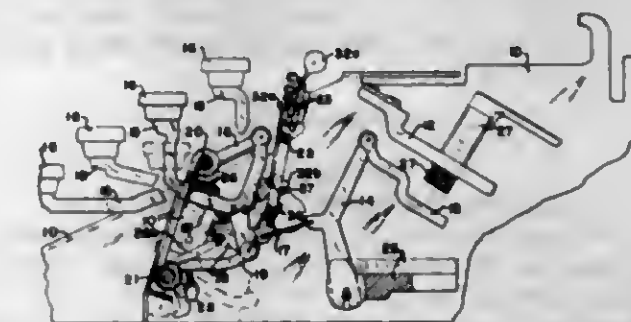
In a coin separator a frame, a gate member vertically pivoted to said frame including means for normally urging said gate in parallel relation with said frame forming a coin testing passageway therebetween, a runway member pivotally secured to said frame and adapted for movement at substantially right angles and opposite to the movement of said gate, said runway member having an integral sloping track normally positioned in said passageway, means for urging said runway member in normal position, a permanent magnet secured in said frame with its pole pieces positioned above said runway and substantially flush

with the inside surface of said frame, a wiper blade pivotally secured at one end to said frame and normally positioned in said passageway to one side of said pole pieces and adapted for movement over said pole pieces and substantially at right angles to the movement of said gate and said runway member, a scavenger lever pivotally secured at one end to said frame and having articulated means connecting said gate said runway member and said wiper blade whereby the movement of said scavenger lever will rotate said gate, said runway member and said wiper blade about their respective pivots to move said gate away from said frame and withdraw said runway member from said passageway and move said wiper blade across the face of said pole pieces to dislodge and reject by gravity a coin and/or debris in said passageway.

2,624,439

KEY TOUCH REGULATING MECHANISM FOR TYPEWRITING MACHINES

Aaron C. Zeamer, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application May 20, 1950, Serial No. 163,156
11 Claims. (Cl. 197-33)



1. A typewriting machine having, in combination, a part-controlling key mounted for manual and return strokes, a touch regulating toggle for said key which is resiliently elongative while straightened, a key drivable anchorage and a stationary anchorage for said toggle relatively movable at the key strokes to impart unfolding and folding movements to said toggle in response respectively to manual and return strokes of said key, and means for relatively adjusting said anchorages to support said toggle for unfolding thereof into a fully straightened condition at different selected points in the manual key strokes and for variable resilient elongation of the toggle to yieldingly resist completion of such strokes.

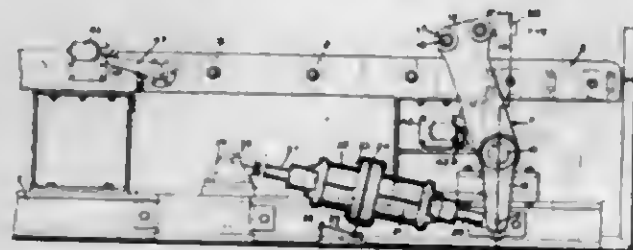
2,624,440

DEVICE FOR CONTROLLING MOVEMENT OF A MEMBER ON A CONVEYER

Clarence L. Hornberger, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 9, 1951, Serial No. 230,731
8 Claims. (Cl. 198-19)

8. In a device for controlling the movement of a member along a path of travel to arrest the forward motion thereof and bring the member to a predetermined "at-rest" position in said path of travel, a control arm pivoted for movement from a member-receiving position to an "at-rest" position, means on the control arm engageable with the member to be controlled and lying in said path of travel with said arm in member-receiving position, an air cylinder having a pis-

ton movable therein connected to said control arm, said piston lying in extended position to hold said arm in mold-receiving position, means for maintaining a predetermined back pressure against said piston to restrict free movement thereof from said extended position to a retracted position to cushion movement of said control arm upon engagement by said member to be controlled, means controlled by movement of said arm from mold-receiving position effected by said member moving along said path of travel for ap-

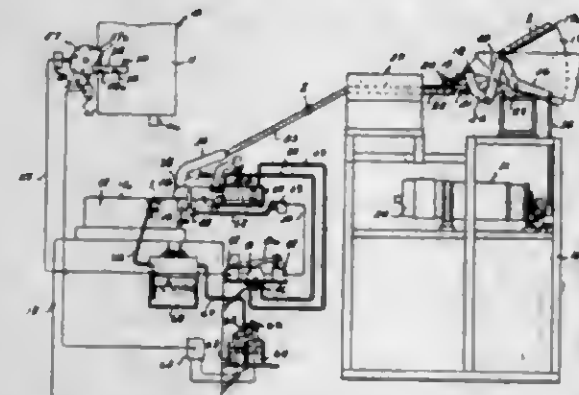


plying fluid pressure against said piston to overcome said back pressure and move said piston to a predetermined retracted position to bring said member to an "at-rest" position, and means controlled by movement of said member from said "at-rest" position out of the control of said control arm for discontinuing the application of said overcoming pressure to hold said piston in retracted position, said back pressure moving said piston to extended position to pivot said arm to mold-receiving position.

2,624,441

RECIPROCATING FEED DEVICE

John Joseph Gapsur, Euclid, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 27, 1946, Serial No. 712,555
3 Claims. (Cl. 198-24)

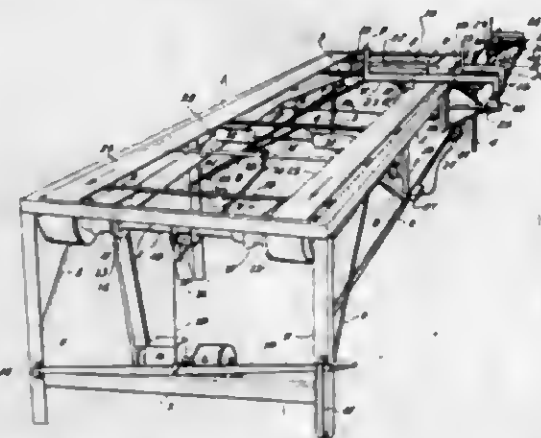


1. A device for successively feeding slugs at desired intervals and in identical positions from a source of slugs in hodge podge relation which comprises a bin having a slot in the bottom thereof, a vane in said slot pivotally mounted at the front end of said bin for swinging from a retracted position in the bottom of the bin to a raised inclined position, said vane having a top edge with a trough therein sized for receiving from said bin slugs in longitudinal end to end relation only and adapted to discharge back to the bin any slugs raised thereby above the level of slugs in the bin which are not in said longitudinal end to end relation, a stationary inclined chute at the forward lower end of the vane to receive slugs from said trough, a transversely extending inclined ramp receiving slugs from said chute in side by side relation, a stop at the lower end of said ram in laterally spaced relation from said chute, a plunger movable against that slug in said inclined ramp which is bottomed on said stop to push the slug forwardly from the ramp,

a pusher plate pivoted coaxially with said vane and reciprocating therewith for engaging said plunger, a bell crank pivoted on the bin, a link joining one arm of the bell crank with the pusher plate, a rod connected to the other arm of the bell crank, a gear reduction unit having an input shaft and an output shaft, a crank on said output shaft connected to said rod for reciprocating said rod, and an electric motor coupled to said input shaft for driving said unit, whereby reciprocation of said rod by said crank will rock the bell crank to reciprocate the vane and pusher plate for respectively feeding slugs in end to end relation to said chute and for advancing slugs forwardly out of the lower end of the ramp.

2,624,442

LAY-UP TABLE FOR ASSEMBLING LAMINAE
Gustav A. Seidel, Mellen, Wis., assignor to Splicedwood Corporation, Mellen, Wis., a corporation of Wisconsin
Application November 10, 1948, Serial No. 59,402
7 Claims. (Cl. 198-29)



1. Apparatus for the assembly of veneer upon a caul board, such apparatus comprising a conveyor table having conveyor means operable thereover in combination with a sub-frame mounted at the sides of the table, conveyor driving means including a starting control plunger carried by said sub-frame, the top of said control plunger being disposed in the path of caul board movement upon said conveyor and reciprocable from such path upon the depression of the plunger to initiate conveyor movement, and a veneer locating member operatively mounted for movement to and from the path of veneer assembled on the caul board, said member having a motion transmitting connection with said plunger whereby the movement of said member from the path of such veneer will occur concurrently with the movement of said plunger from the path of the caul board and concurrently with the initiation of conveyor movement by said plunger.

2,624,443

WEIGHING AND FEED DEVICE HAVING VOLUME AND DRIBBLE FEED

James P. Volter, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a cooperative association of California
Application February 2, 1948, Serial No. 5,823
1 Claim. (Cl. 198-39)

In a feed device, a first drum-like conveyor and a second drum-like conveyor coaxial therewith and closely alongside the former, the axial width of said first conveyor being substantially greater than the axial width of said second conveyor, said first conveyor having radially outwardly opening pockets therein for respectively receiving

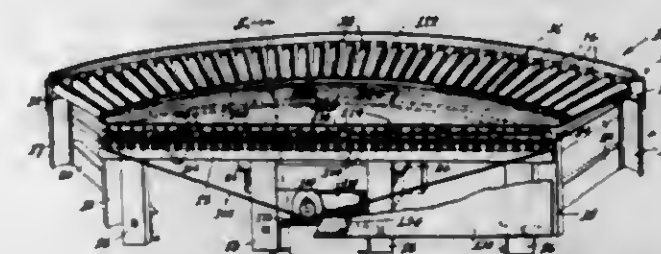
a predetermined weight of uniform discrete bodies when each pocket is directed upwardly and said second conveyor having a peripheral surface the uppermost side of which is adapted to carry a single layer of said bodies only, means for restricting said latter surface to so carrying said single layer for downward discharge of bodies therefrom by gravity upon rotation of said second conveyor, power means for rotating said conveyors, a balanced hopper below said conveyors positioned for receiving said bodies from each of said conveyors, means supporting said hopper for downward movement upon a predetermined weight being in said hopper, means actuated by said downward movement for rotating said first conveyor a fraction only of a revolution for each

prising, an intermediate power driven roller rotatably mounted and adapted to be rotated in the direction in which the adjacent conveyor units are moving, at least one idler roller positioned on either side of the intermediate power driven roller, link means adapted rotatably to support the idler rollers in substantially parallel relation to said intermediate power driven roller, means for removably seating said idler rollers, slightly below the plane of travel of articles in the conveyor system, in the gaps between the conveyor units.

2,624,445

UNITARY POWER-DRIVEN ROLLER CONVEYER

Clifford G. Wallman, La Grange, Ill., assignor to The Petersen Oven Company, Franklin Park, Ill., a corporation of Illinois
Application November 19, 1949, Serial No. 128,413
7 Claims. (Cl. 198-127)

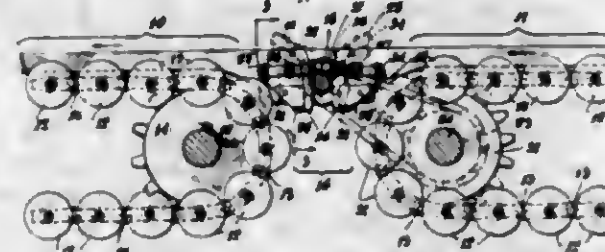


7. In conveyor mechanism of the character disclosed, a supporting frame, a plurality of rollers rotatably mounted on said frame, said rollers being disposed in positions adjacent the horizontal for supporting articles on their peripheral surfaces, said rollers being disposed in side-by-side relation in an arcuate path; the axes of rotation of adjacent rollers being thereby divergent with respect to each other, a plurality of driving sprockets rotatably mounted on said frame, said driving sprockets being individual to said rollers respectively, said driving sprockets being disposed with their axes of rotation parallel and in a horizontal straight line extending transversely of their axes, flexible drive transmitting means interconnecting said driving sprockets and the respective rollers, single chain means in engagement with all of said sprockets on the upper peripheral surfaces thereof, a horizontal guide member overlying said sprockets and in engagement with said chain means, said guide member being operative for retaining said chain means in engagement with said sprockets, said chain means being adapted for connection with power means for rotating said sprockets.

2,624,444

APPARATUS FOR FREE PIVOTING TRANSFER ROLLERS

Ferdinand Casabona, Brooklyn, N. Y., assignor to The Jampol Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 25, 1950, Serial No. 146,317
10 Claims. (Cl. 198-105)



1. A roller conveyor bridge for use in conveying articles over gaps in a conveying system, com-

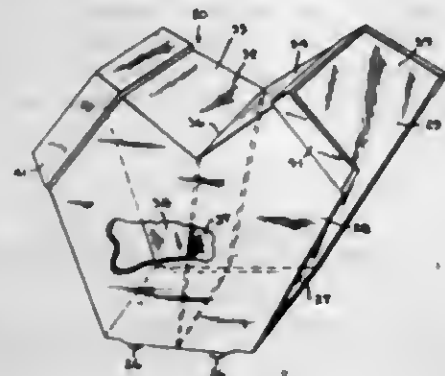
2,624,446

CONVEYER BELT PROVIDED WITH ELEVATOR SCOOPS

Metheus Antonius Hovers, Tilburg, Netherlands
Application December 23, 1950, Serial No. 202,548
In the Netherlands September 8, 1949
3 Claims. (Cl. 198-152)

1. In a conveyor system having an endless oppositely movable chain composed of interengaged links and scoop members connected to some of said links for transportation thereby, in combination, each scoop member comprising a housing structure including opposite sidewall portions disposed parallel of the direction of chain movement, a bottom portion connected to said chain and interconnected to said sidewall portions, a top portion interconnected to said sidewall portions and including two oppositely in-

clined parts intersecting about midway between said sidewall portions at a lowermost edge, and a solid partition portion extending about midway of said sidewall portions and transversely of said direction of movement and interconnecting said lowermost edge of said top portion and



said sidewall portions and the central region of said bottom portion, said partition dividing the interior of said scoop into two opposite chambers open on opposite sides, whereby said scoop may perform loading with either chamber, the inclined top part of a chamber operating as a ball.

2,624,447

MATERIAL FEEDER FOR DEHYDRATORS

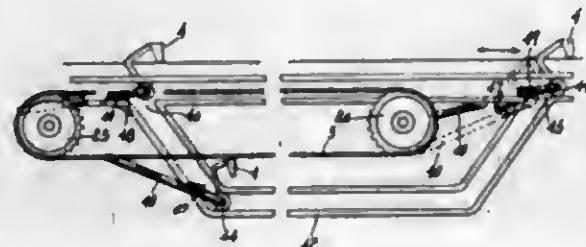
Elmer C. Small, Neodesha, Kans., assignor, by mesne assignments, to Archer-Daniels Midland Company, a corporation of Delaware
Application June 5, 1950, Serial No. 166,196
2 Claims. (Cl. 198-161)



2. In apparatus for feeding hay to a dehydrator, said apparatus having an elongated, inclined chute provided with an outlet opening, an endless conveyor in said chute for moving hay upwardly therealong, and means at the uppermost end of said conveyor for receiving the hay and directing the same laterally with respect to the direction of travel of the conveyor and into said outlet opening, leveling structure for preventing clogging of the hay in said means, said structure comprising a first drum carried by the chute intermediate the ends of the latter above the conveyor for rotation on a horizontal axis transversely of the direction of travel of the hay along the chute; and a second drum rotatably mounted on the chute above said conveyor adjacent said means for feeding hay to the latter, said drums each having laterally extending, hay-engaging fingers thereon, the drums being rotatable in opposite directions on parallel axes, said first drum being rotatable on an axis opposite to the direction of travel of the conveyor, the fingers of said first drum being inclined with respect to the radius of the first drum away from the direction of rotation of the latter, the fingers of the second drum being inclined with respect to the radius of the second drum in the direction of rotation of the latter.

2,624,448
CONVEYER MECHANISM FOR BOX WRAPPING MACHINES

Clarence J. Peterson, Watsonville, Calif.
Application November 19, 1946, Serial No. 710,865
7 Claims. (Cl. 198-170)

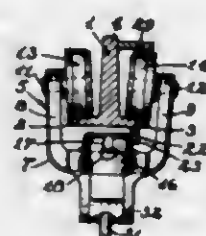


1. A box wrapping machine comprising a horizontal table and a transversely extending table, a plurality of spaced rams, chains on which said rams are mounted, the upper reach of said chains being positioned adjacent to and below the first named table, guide rails adjacent the chains, said chains extending into the guide rails and guided thereby, a cam track including an upper horizontal race and a return race, said track having openings therein at the point of entrance of the return race into the horizontal race the upper race extending beyond the openings, arms of substantial length extending from the rams to the chains, said arms being pivotally attached to the chains, a supporting arm on the rams, and means engageable by said supporting arm whereby the rams are supported over said openings during movement of the rams in the horizontal race said track supporting the first named arms at the ram end thereof.

2,624,449

TROLLEY CONVEYER

Edward Newton Williams, Rutherford, N. J.
Application September 18, 1950, Serial No. 185,365
3 Claims. (Cl. 198-177)



1. In an overhead conveyer, a track having a pair of supporting flanges and a vertical web therebetween, a plurality of trolleys each comprising an integral frame, a pair of rollers journaled thereon adapted to bear on the flanges of the rail, and a third roller journaled on the frame on a substantially vertical axis; said rail having a portion curved in a horizontal plane, and said curved portion being provided with a vertical guide flange positioned to engage the third roller of the trolleys and thereby prevent tilting of the trolleys as they traverse said curved portion; and flexible links connecting said trolleys in the form of sections of flexible cable having headed ferrules fixed on each end, said trolley frames being provided with slots slidably receiving the cables and communicating with cylindrical openings fitting said ferrules, and abutment surfaces adjacent said openings engageable by the heads of the ferrules to anchor the links in the frames.

2,624,450

DISPERSED GETTER ELEMENT AND METHOD OF MANUFACTURE THEREOF

Leslie Frederic Britten, Oxhey, Watford, Ronald Osmond Jenkins, Wembley, and John Moss, North Wembley, England, assignors to The General Electric Company Limited, London, England
Application March 22, 1950, Serial No. 151,166
In Great Britain March 24, 1949
18 Claims. (Cl. 206-0.4)

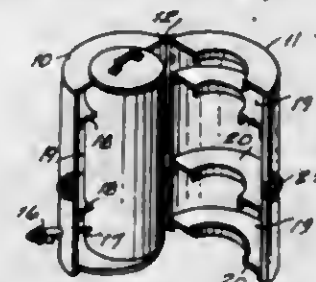


1. A dispersed getter element comprising a core of an alkaline earth metal, an inner sheath surrounding the core, said inner sheath being of a metal which is stable in air and has a lower melting point than the alkaline earth metal, and an outer sheath having an aperture therein and surrounding the inner sheath, said outer sheath being of a metal which is stable in air and has a higher melting point than the alkaline earth metal.

2,624,451

PORTABLE FOOD AND BEVERAGE CONTAINER

Albert L. Ewing, Stephenville, Tex., assignor to R. C. Wood, Graham, Tex.
Application August 10, 1949, Serial No. 109,453
2 Claims. (Cl. 206-4)



2. In a cabinet for carrying and preserving foods and beverages, in combination with a cylindrical reservoir, a housing concentrically embracing said reservoir and comprising a pair of semi-cylindrical hingedly connected sections, a plurality of semi-annular shelves arranged in spaced superposed relationship in each section, the said shelves in one section providing a rigid connection therefor with said reservoir whereby, when said housing sections are closed, a plurality of superposed annular compartments are defined within said housing about said reservoir.

2,624,452

RAZOR BLADE DISPENSING PACKAGE

Meyer J. Shnitler, Brookline, Mass., assignor to The Gillette Company, a corporation of Delaware
Application March 11, 1948, Serial No. 14,361
13 Claims. (Cl. 206-16)



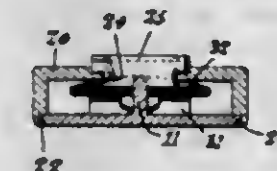
1. A razor blade pack comprising a sheath member formed at one side with a blade dispensing aperture, a series of razor blades supported

in the sheath, adjacent blades lying directly in contact with one another in longitudinally overlapping relation, a carrier strip engaged at spaced points along its length with the blades in a position to advance progressively the whole series of blades along the sheath into register with the blade dispensing aperture, and means in the sheath member for arresting successive blades when they are brought to the blade dispensing aperture by movement of the carrier strip.

2,624,453

BLADE DISPENSING MAGAZINE WITH FEED SLIDE

Joseph Muros, Newtonville, Mass., assignor to The Gillette Company, a corporation of Delaware
Application April 9, 1948, Serial No. 20,079
1 Claim. (Cl. 206-16)

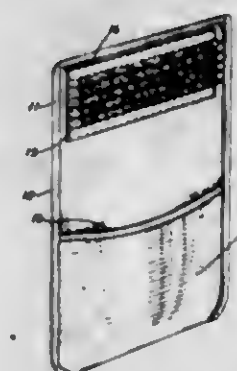


A blade dispensing magazine comprising a rectangular shell having blade exit slots at both ends, and spaced blade-locating studs within the shell, the shell including a cover having a central longitudinal aperture therein with inwardly projecting flanges at its lower longitudinal edges, and a feed slide grooved at its side edges to engage said flanges, and having a body portion movable in the aperture of the cover partially below the upper face of the cover, the side edges of the feed slide being beveled so that they may be forced between the flanges of the cover in interlocking the feed slide therewith.

2,624,454

TOBACCO PACKAGE

Irving Korenman, Forest Hills, N. Y.
Application March 24, 1950, Serial No. 151,559
4 Claims. (Cl. 206-38)



1. A tobacco pouch comprising an essentially rectangular, flexible first sheet of transparent, heat-sealable plastic material having a length from top edge to bottom edge which is greater than its width from side edge to side edge, said sheet having an open pocket for tobacco formed across the width of the bottom of said sheet, the open edge of said pocket facing the top edge of said sheet, said sheet having a plurality of sleeves adjacent its top, defined by a second flexible sheet of transparent, heat-sealable plastic material positioned in face-to-face relationship with said first sheet and heat-sealed to said first sheet along a plurality of lines parallel to one another and to the top edge of said first sheet, said sleeves having pipe cleaners therein, whereby a decorative array of said pipe cleaners is formed which is visible through said transparent sheets.

2,624,455

WINDOW DISPLAY RECEPTACLE WITH FOLDING EASEL

Harold L. Myers, Morristown, N. J.
Application May 27, 1947, Serial No. 750,693
4 Claims. (Cl. 206—45.27)



1. A device for displaying merchandise comprising a front panel with a display opening, side flaps on said front panel, a rear panel spaced behind said front panel to provide a container for merchandise therebetween, side flaps on said rear panel and forming the sides of said container, said front panel carrying a flap at its lower edge, and the last-mentioned flap being bent back against the lower portion of the front panel, and a further flap carried by said last-mentioned flap and bent rearwardly from said last-mentioned flap to form the bottom of said container, and an additional flap carried by said further flap and lying in front of said rear panel, a central slit being provided at the fold line between said further flap and said additional flap, a tab on said rear panel extending thru said slit, and a series of foldably-connected panels including a panel extending downwardly and rearwardly from the upper end of said rear panel to form an easel back portion and a panel extending forwardly therefrom to form a base portion, an end panel of said series carrying tabs extending between said rear panel and said additional flap at either side of said tab carried by said rear panel.

2,624,456

TISSUE DISPENSING PACKET

Albert W. Taylor, Toronto, Ontario, Canada, assignor to A. W. Taylor Industries Limited, Toronto, Ontario, Canada
Application September 8, 1950, Serial No. 183,704
3 Claims. (Cl. 206—57)



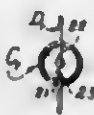
1. A dispensing tissue packet comprising a container for the reception of tissues having a front and rear wall connected by side walls tapering towards the bottom conforming the container to a wedge shape wider at the top than at the bottom, said front wall having a dispensing opening therein adjacent the bottom, and a pack of tissues to be dispensed over-folded adjacent one edge and received in said wedge-shaped container with the over-fold tissue bulk adjacent the top

of said container where its section is greatest and pressing against said front wall to hold said tissues against displacement and to locate the innermost tissue at the fold as the outermost tissue at said dispensing opening, said tissues being folded to present an edge portion of the outermost tissue at the dispensing opening at a point intermediate the height of said container and displayed through said dispensing opening whereby said outermost tissue is adapted to be gripped and pulled intermediate its length for dispensing through said opening.

2,624,457

BEAD CHAIN TYPE ARTICLE OR KEY HOLDER AND DISPLAY MEANS THEREFOR

Theodore M. Jablon, New York, N. Y.
Application January 26, 1949, Serial No. 72,947
3 Claims. (Cl. 206—79)



2. In combination a double loop key-holder comprising two lengths of bead chain, a two-socketed intermediate coupling shell having a main lateral opening and an auxiliary lateral opening opposite the main opening and interconnecting the inner end beads of said lengths of bead chain, a pair of two-socketed outer coupling shells having said intermediate shell disposed end-to-end between them, each said outer shell having a lateral main opening and a lateral auxiliary opening opposite the main opening, each said length forming a loop closed by its outer shell, the loop-forming portion of said length extending through said shell by way of said auxiliary opening in such a manner that an intermediate bead near the inner end bead lodges in the inner end socket of the shell, while the outer end bead of said length lodges in the outer socket of the shell; and a card provided with a substantially dumb-bell-shaped cutout having an intermediate constricted portion defined by a pair of tongue portions of the card, said intermediate shell being held in said cutout and longitudinally bisected by the plane of the card, with the end portions of said shell each lodging in a respective end portion of the cutout, and the tongue portions extending into the main opening and the auxiliary opening respectively so that said constricted portion is disposed within the hollow of the coupling shell.

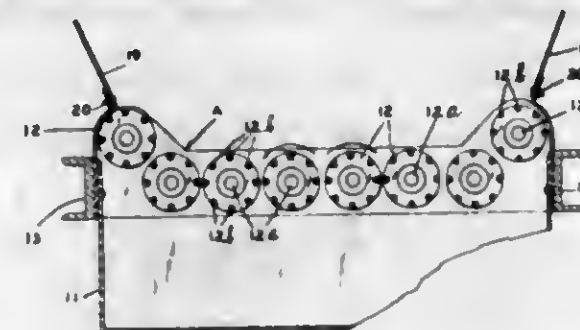
2,624,458

CLEANER FOR SUGAR BEETS AND THE LIKE

Erwin F. Molnau, Chaska, Minn.
Application September 15, 1949, Serial No. 115,786
1 Claim. (Cl. 209—107)

Cleaning apparatus for removing dirt and other material from the outside of sugar beets and the like, said apparatus having in combination a supporting structure, an inclined cleaning bed mounted on said structure and adapted to receive articles to be cleaned at the upper end thereof and to discharge the cleaned articles at the lower end thereof, said cleaning bed comprising a plurality of parallel cleaning rollers spaced apart the same distance at the top as at the bottom and each roller including a plurality of spaced parallel rod-like members mounted around the periphery thereof, driving mecha-

nism connected with each roller for rotating the rollers on one side of the longitudinal center line of the bed in one direction and the rollers on the other side of said bed in the other direction to divide said bed into two sets of rollers, the direction of rotation of said sets being such that the

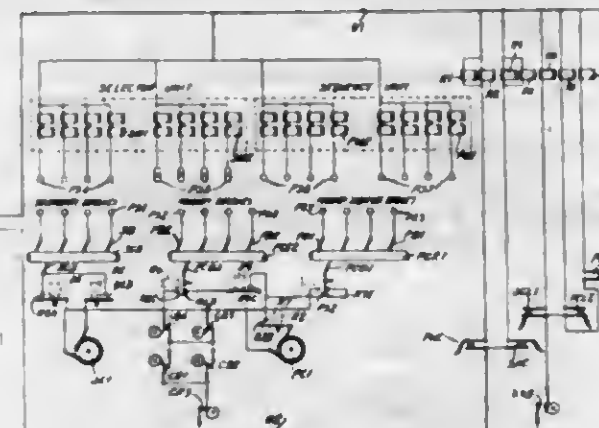


upper portions of the rollers travel away from said center line to carry the articles outwardly toward the side edges of the bed, all of said rollers being of equal outside diameter and the extreme side rollers revolving on axes disposed above the axes of the other rollers, the axes of the remaining rollers all lying in the same inclined plane.

2,624,459

RECORD CONTROLLED MACHINE

Orville B. Shafer, Owego, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 25, 1949, Serial No. 101,367
13 Claims. (Cl. 209—110)

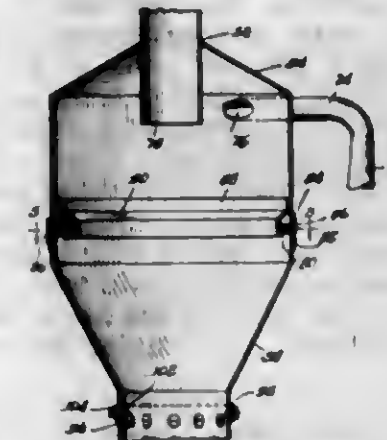


1. In a record distributing machine, means to feed a file of records having a plurality of separate data fields each field having data designations, said file being preceded by a finder record having a plurality of fields corresponding in significance to the fields of the file records and having designations of data to be compared with the data in the file records; means to sense said designations, data comparing means controlled by the sensing means and having means to split the comparing means into a plurality of separate comparing sections, each section corresponding to one of the fields of the file records, each section having means for storing the data in one of the fields of the finder record and for receiving data in the corresponding field of the file record for comparing a field in the finder record with said corresponding field of each file record; means made operative by said sections for integrating the number of fields in a file record which agree with fields of the finder record, and means controlled by the integrating means for segregating file records having predetermined numbers of fields identical from the remainder of the file.

2,624,460

GAS SEPARATOR FOR GRINDING MILLS

Gustave A. Parten, Minneapolis, Minn., assignor to Schutz-O'Neill Co., Minneapolis, Minn., a corporation of Minnesota
Application April 3, 1946, Serial No. 659,367
2 Claims. (Cl. 209—144)



1. A gas separator adapted for use with a grinding mill, and comprising an upper cylindrical separator casing, a lower inverted frusto-conical separator casing terminating in a depending outlet conduit for non-separated coarser solids, a tangential supply opening adjacent the top of the upper cylindrical separator casing for tangentially directing entering ground solids, an exhaust opening through the top of said upper cylindrical separator casing for exhausting the separated finer solids, a continuing series of openings disposed peripherally through the bottom portion of said upper separator casing for admitting a ring of air adjacent the bottom of the upper separator casing for mixing with the material gravitating out of the bottom of the upper separator casing, and into the lower conical separator casing, baffle means secured around the inner surface of the upper separator casing and including wall means offset slightly inwardly to closely overlie the openings in spaced substantially parallel relation to the adjacent surface of the upper separator casing whereby to minimize obstruction within the upper separator casing while preventing escape of solid particles through the said openings, an apertured control ring mounted exteriorly of said upper separator casing around the peripheral series of openings therethrough for controlling the size of the air passages through said openings whereby to control the average size of particles to be separated, a series of openings disposed peripherally through the depending outlet conduit below the reduced end of said lower separator casing admitting additional air to reduce any tendency for air with finer solids to pass through said outlet conduit, and a control ring mounted on said outlet conduit and shiftable relative to the peripheral openings therethrough for controlling the amount of air admitted through the said openings.

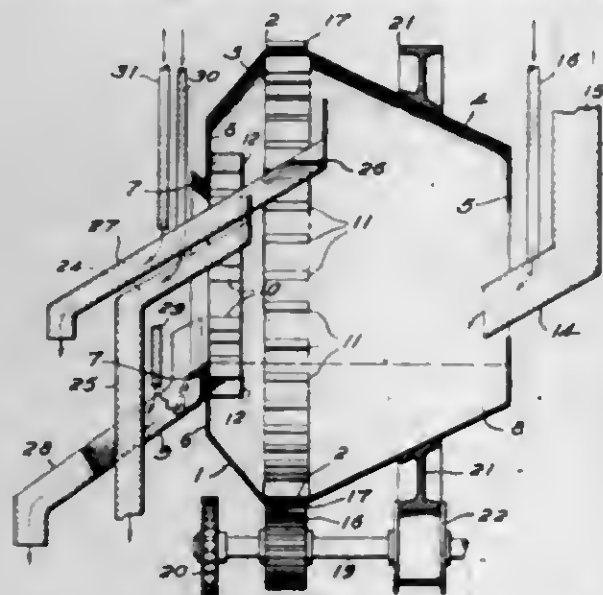
2,624,461

FLOAT REMOVAL DEVICE FOR ROTATABLE TYPE HEAVY-MEDIA SEPARATORS

Stuart A. Falconer, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 13, 1949, Serial No. 110,066
5 Claims. (Cl. 209—173)

1. A heavy-media separatory apparatus comprising in combination a cylindrical separatory vessel mounted for rotation about a substantially horizontal axis, an annular end plate secured to

said vessel at the feed end thereof, means for introducing particles to be separated into said vessel from the feed end thereof, means for introducing separatory fluid into said vessel, a second annular end plate secured to said vessel at the discharge end thereof, the central opening in said second-mentioned annular plate being of appreciably larger diameter than the opening in said first-mentioned plate, the said second-mentioned annular plate being so constructed and arranged that a relatively shallow weir is provided over which a fine float fraction overflows, a plurality of float lifter blades arranged in spaced relation and extending substantially horizontally outwardly from the inner peripheral edge of said second-mentioned annular plate so as to remove from the zone of said weir a coarse float fraction too large in size to overflow said weir, at least the bottom portions of said blades being composed of foraminous material, an annular baffle at the in-



ner ends of said blades, the central opening in said baffle being larger than the opening in said second-mentioned annular plate a plurality of sink lifter blades arranged in spaced relation and extending substantially horizontally outwardly from the inner periphery of said vessel, a first discharge launder positioned adjacent to the discharge end of said vessel to receive said fine float fraction, a second discharge launder extending interiorly of said vessel from the discharge end thereof to receive said coarse float fraction deposited thereon by said first-mentioned set of lifter blades, a third discharge launder extending interiorly of said vessel from the discharge end thereof to receive a sink fraction deposited thereon by said second-mentioned set of lifter blades, and means to rotate said vessel whereby said sink and coarse float fractions are carried forwardly by said sets of lifter blades so as to be deposited on said launders.

2,624,462

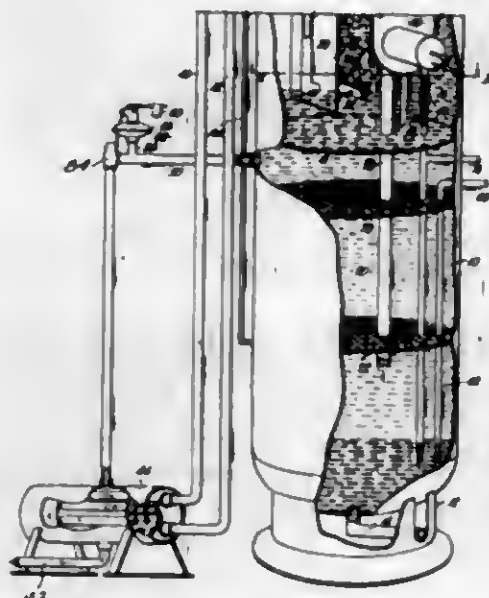
APPARATUS FOR SIPHONING WATER FROM OIL TREATING STRUCTURE

Elmer R. Williams, Springfield, Mo.

Application February 10, 1950, Serial No. 143,478
4 Claims. (Cl. 210-51)

1. Siphoning apparatus for separating oil and water comprising an upright tank having a horizontal partition, presenting an upper and a lower compartment, an inlet for oil and water to be separated communicating with the upper compartment, and an oil outlet communicating with the lower compartment; a vertical tube in the tank, extending through said partition and dis-

posed to receive oil from the upper compartment for gravitation into the lower compartment; a first vertical pipe in the upper compartment having a lowermost, open end; a second vertical pipe extending through said partition and connected with the first vertical pipe at the uppermost end of the second pipe for draining water from the upper compartment to the lower compartment;

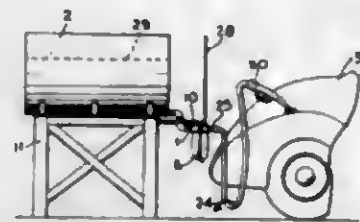


a third vertical pipe in the lower compartment having a lowermost open end and extending through the tank at the uppermost end of the third pipe to a point of discharge exteriorly of the tank; a valve in said third vertical pipe; and pressure responsive means in said second vertical pipe and coupled with said valve for controlling the latter to maintain a predetermined level of water in the compartments.

2,624,463

LIQUID-SEPARATING DEVICE

Ernest F. Freese, Akron, Ohio

Application June 10, 1949, Serial No. 98,203
4 Claims. (Cl. 210-57)

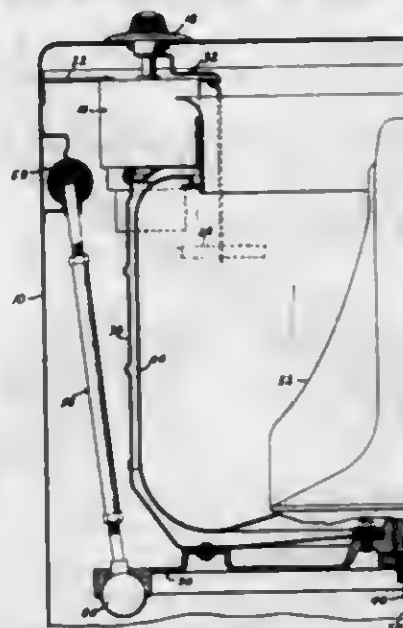
1. A device for separating liquids, comprising a closed container having inlet and outlet passageways at the top thereof for passage of liquid into and out of the container, a hollow member opening from said inlet passageway and extending to a substantial depth within the container, said member having discharge means including at least one discharge opening adjacent its lower end, and deflector means positioned on said hollow member in cooperation with said discharge means for deflecting the flow of incoming liquid upwardly within the container without substantial turbulence of liquid contained therein, whereby relatively heavier contaminates in the incoming liquid flow toward the relatively quiet region of the container below said deflector and lighter decontaminated liquid flows toward the upper portion of the container toward said outlet passageway, a downward extension from said hollow member providing a liquid-retaining well below the level of said discharge means, said well being of substantial depth below the level of said

discharge means to provide a liquid cushion for retarding reverse flow of liquid passing down said hollow member.

2,624,464

SAFETY SWITCH CUTOFF FOR AUTOMATIC LAUNDRY MACHINES

Harold E. Morrison, St. Joseph, Mich., assignor to Whirlpool Corporation, a corporation of New York

Application November 8, 1947, Serial No. 784,918
2 Claims. (Cl. 210-63)

2. In a safety cut-out adapted to cut out power from a drive member for a gyratory body, upon excessive gyratory movement thereof, a support frame, a non-rotatable base member flexibly suspended therefrom and having the gyratory body rotatably journaled thereon and also having an arm mounted thereon, a depressible switch mounted on said frame adjacent the top thereof and including a top plate having a vertically movable plunger movable therein and having an operating knob on the upper end thereof accessible from the top of said frame, a bell crank member journaled on said top plate for movement about a horizontal axis and having one lever arm extending in a substantially horizontal plane along said top plate and encircling said plunger in position to engage said knob, and another arm depending from said top plate in a generally vertical direction for engagement with said arm on said flexibly mounted base member upon excessive vibrating movement thereof, and moved by said arm to pivot said bell crank in a direction to engage the bottom of said knob and raise said knob and plunger to open said switch upon excessive vibration of said base member effected by excessive gyratory movement of said gyratory body.

2,624,465

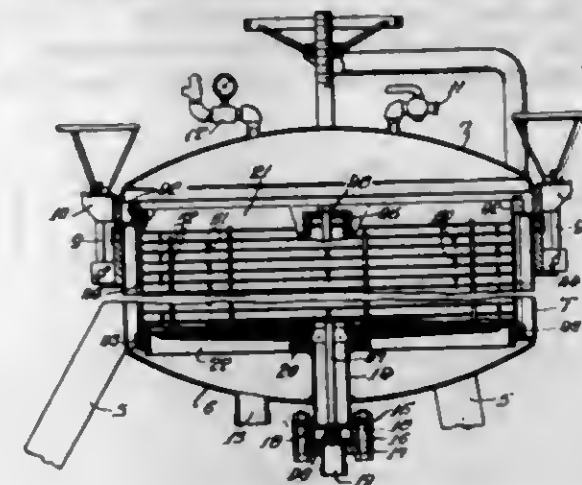
HORIZONTAL PLATE FILTER

Aloysius C. Kracklauer, Mundelein, Ill.

Application May 6, 1950, Serial No. 160,443
7 Claims. (Cl. 210-185)

1. In combination with a cylindrical tank having an inlet and a sectional tubular column extending upwardly through the tank bottom and axially therewithin and provided at its base with an outlet therefrom, an assembly of superposed filter units each having a central aperture with whose adjacent marginal portions the column sections are interengaged, means interconnecting the assembly of filter units into a unitary structure capable of removal from and replacement

in the tank, and a guide fixed to the outer margin of each filter unit and extending vertically above and below the filter unit slidably to contact the

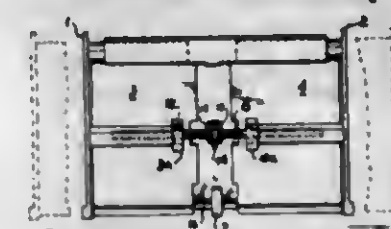


outer margins of adjacent filter units to guide filter units into place in assembling the same and for maintaining the entire assembly of filter units in vertical alignment.

2,624,466

BOOKHOLDER

Charles A. Ramsay, Detroit, Mich.

Application June 30, 1949, Serial No. 102,229
2 Claims. (Cl. 211-43)

1. A book holder comprising a rearwardly inclined base member, a back member secured at right angles thereto, longitudinally spaced back extension members slidably mounted upon the back surface of said back member in parallel relation thereto, longitudinally spaced base extension members joined to said back extension members at right angles and slidably mounted upon the under surface of said base member in parallel relation thereto, upright end members secured to the outer end edges of said extension members at right angles thereto, a lug on each back extension member adjacent the inner edge thereof, each lug having a threaded aperture, a rod extending longitudinally of the rear faces of the back extension members with its ends oppositely threaded and extending through said apertures, means secured centrally on said rod by which the same may be rotated in two directions to effect longitudinal inward and outward movements of said extension members alternately, and means on said back member engageable with said rod rotating means preventing longitudinal movement thereof.

2,624,467

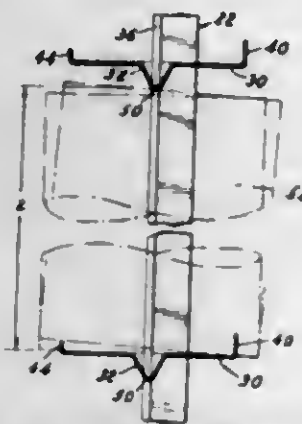
RECEPTACLE RACK

Joseph Moreland Hinman, Plumer, Pa.

Application August 4, 1949, Serial No. 108,545
3 Claims. (Cl. 211-71)

1. A display and storage rack for regularly shaped containers, said rack of the type intended to retain said containers until intentionally removed regardless of the position of the rack which comprises a plurality of shelves arranged horizontally and one above the other

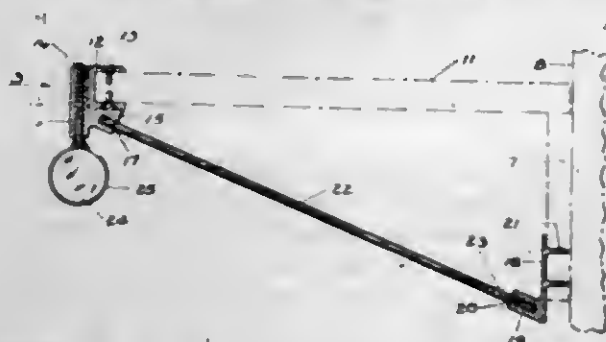
for supporting a plurality of containers, each of said shelves having a V-shaped trough formed longitudinally thereof between the sides and extending downwardly, retaining means at the front and the back of the shelves to prevent transverse dislocation of the containers, said shelves being spaced such that the containers will



be prevented from accidental dislodgment by the downwardly extending troughs of the upper shelves, said spacing being such that a lifting of the forward bottom edge of a container will cause tilting a sufficient distance to permit the container to clear the front retaining means on the supporting shelf.

2,624,468

CLOTHES POLE SUPPORTING BRACKET
Walter P. McCauley, San Francisco, Calif.
Application March 27, 1950, Serial No. 152,165
1 Claim. (Cl. 211-123)



A device for supporting a clothes pole in a clothes closet adjacent to the clothes shelf of the closet, comprising a channel shaped bracket adapted to be mounted on the front end portion of the shelf and removably secured thereto, an upwardly extending angular bracket spaced beneath the clothes shelf and adapted to be removably secured to the rear wall of the clothes closet, a rod extending at an angle between the two brackets and adjustably supported in apertures therein, the said channel shaped bracket having a threaded vertical aperture therein, a clamp for supporting the clothes pole and being equipped with a threaded rod for engagement with the threaded vertical aperture in said channel shaped bracket.

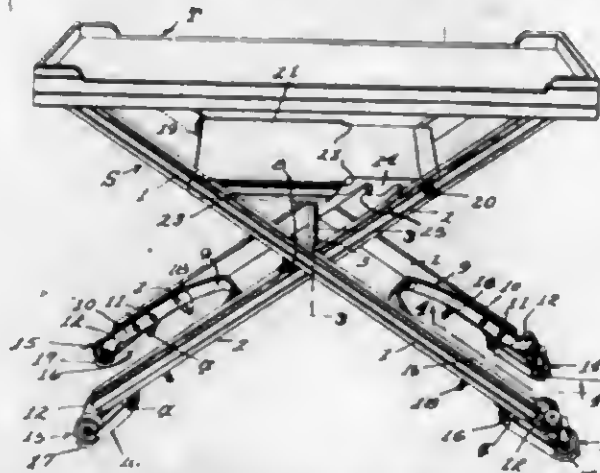
2,624,469

FOLDABLE VERTICALLY ADJUSTABLE TABLE

Clarence J. Cadwell, Carpenteria, and Frank M. Adamson, Los Angeles, Calif., assignors to The Cadwell Corporation, Beverly Hills, Calif., a corporation of California
Application December 17, 1948, Serial No. 65,898
1 Claim. (Cl. 211-147)

A collapsible table, comprising a flat rectangular top having end and side flanges depending

from the edges thereof, said end flanges projecting above the upper surface of said top and having relatively short side portions extending inwardly from the ends of the same, bar abutments extending transversely of the under side of said top parallel to said end flanges, pairs of legs positioned beneath the opposite sides of said top and having their upper ends selectively abutted against the inner sides of said end flanges and said bar abutments, pivot means connecting the legs of each pair in crossed relation at the approximate centers thereof, transverse bars extending between and connecting the complementary legs of each pair above said pivot



means, transverse U-shaped arms extending between and connecting the coupled legs of each pair below said pivot means, a spreader element, pivotally engaged at one end with one of the transverse bars immediately above said pivot means, and other flanges depending from the opposite side edges of said spreader element and having sets of aligned notches formed in the lower edges thereof at and inward from the opposite end of the spreader element for selective engagement with the complementary of said transverse bars, whereby to vary the angular relation of the legs of each pair and the height of the table.

2,624,470

PALLET HANDLING APPARATUS
Herbert F. Geist, Lakewood, Ohio
Application February 10, 1949, Serial No. 75,519
4 Claims. (Cl. 212-135)



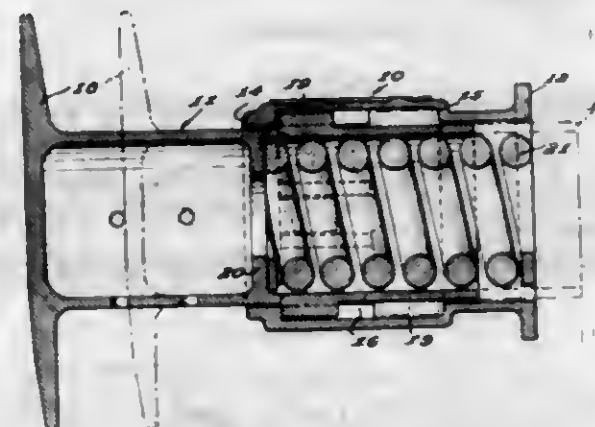
2. A pallet handling apparatus comprising, a suspended support member having a vertical trackway; a carriage mounted to the trackway for vertical movement therealong; power means for raising and lowering the carriage along the

trackway; a pallet fork extending laterally from said carriage; a second pallet fork mounted below the first mentioned fork; power means mounted to said carriage for raising and lowering said second fork relative to the other fork, said second fork being pivotally mounted to said power means whereby the load supporting ends of the fork may be tilted downwardly from horizontal; and latching means for releasably locking said second fork in a horizontal position.

2,624,471

CAR BUFFER

Einar O. Lunde, Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y., a corporation of Delaware
Application December 13, 1946, Serial No. 716,130
3 Claims. (Cl. 213-221)



1. A car buffer comprising a housing having an inner cylindrical wall and a circumferential flange projecting inwardly of such wall at one end of the housing, a plurality of spaced pairs of elongated lugs projecting inwardly from said wall to the inner periphery of said flange and defining channels therebetween, circumferentially spaced recesses in said flange extending to the bottom thereof and disposed between the pairs of lugs, a movable cylindrical member having circumferentially spaced lugs receivable through said recesses into the spaces between the pairs of lugs, said housing having a shoulder spaced from the adjacent ends of said pairs of lugs a distance greater than the length of the second named lugs, whereby the latter may be moved beyond the pairs of lugs and upon rotation of the movable member be aligned with said channels for movement thereinto upon axial movement of the movable member, said housing being completely open at its opposite end for movement of a portion of said cylindrical member beyond such end in the assembly of the housing and member, said cylindrical member having an internal web adjacent the lugs thereon, and a car engaging cushioning element disposed in said cylindrical member and having one end thereof in bearing engagement with said web.

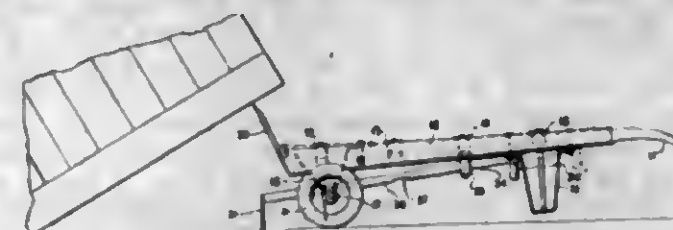
2,624,472

HAND TRUCK

Albert I. Cody, Philadelphia, Pa., and William E. Brandley, Laurel Springs, N. J.
Application May 18, 1950, Serial No. 162,702
3 Claims. (Cl. 214-1)

1. In a hand truck of the type comprising a frame provided with wheels on each side near one end thereof, handles at the other end thereof, and a nose portion projecting outwardly from the frame at the wheel end thereof, means mounted on the under side of the frame for main-

taining the truck with the nose portion thereof in an elevated position; said means comprising a longitudinally slidable member, leg members integral with and carried at the forward end of said slidable member, a handle portion at the rear

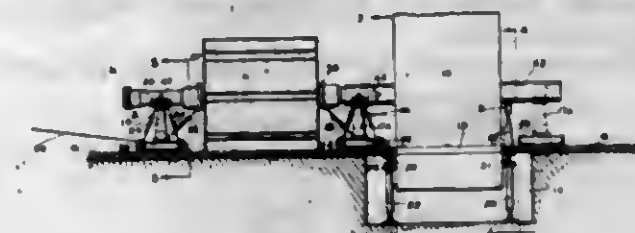


end of said slidable member, and means for normally holding said slidable member and the legs carried thereby in the retracted position, the leg members being rigidly positioned beneath the nose portion of the truck when the slidable member is moved forward.

2,624,473

ROTOR CARRIER

Arthur A. Corder, Vancouver, Wash.
Application July 17, 1946, Serial No. 684,393
7 Claims. (Cl. 214-1)

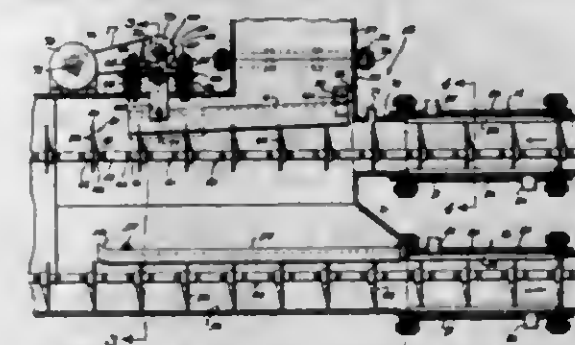


2. In an apparatus for use in assembling and in removing a rotor unit with respect to the stator unit of relatively heavy rotating electrical machines, the combination comprising a pair of track units to be positioned one on each of the opposite sides of the stator unit in parallel alignment with and beneath the axis of said rotor unit, a wheeled carriage on each of said track units, each of said carriages including a relatively low base frame and a pair of jacks mounted thereupon on each of the opposite sides thereof, a yoke member connected between the upper ends of said jacks extending transversely of said rotor, said yoke members being adapted for supporting the opposite ends of said rotor unit, means for tying said yoke members to the opposite ends of said carriages when in the rotor supporting condition.

2,624,474

GRANULATED MATERIAL FEEDING APPARATUS

Henry W. Hapman, Detroit, Mich., assignor of forty per cent to Hannah Jane Hapman, Detroit, Mich.
Application August 15, 1949, Serial No. 110,315
1 Claim. (Cl. 214-17)



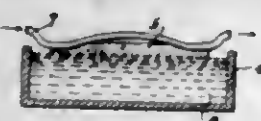
A granulated material feeding apparatus comprising a material receiving casing, a material

discharge casing, a conduit system including vertically-spaced upper and lower conduits interconnecting said casings, an endless flight conveyor mounted in said conduit system and traversing said casings with its forward course disposed near the bottom of said receiving casing and its return course disposed thereabove, said receiving casing having an inlet in the upper portion thereof and having a horizontally-elongated chamber extending away from said inlet to a location remote therefrom whereby to effect fall of material from said inlet into a mass in said receiving casing having an unconfined side inclined at its natural angle of repose, an elongated material deflector overhanging a portion of said return course for preventing direct fall of material thereon, and vibrating mechanism operatively connected to said deflector and arranged to oscillate said deflector into and out of engagement with said flight conveyor.

2,624,475

METHOD AND APPARATUS FOR FEEDING GLASS FURNACES

Georges Leon Henry and Edgard Brichard, Jumet, Belgium, assignors to Union des Verreries Mechaniques Belges S. A., Charleroi, Belgium, a Belgian company
Application August 4, 1949, Serial No. 108,554
In Belgium August 20, 1948
14 Claims. (Cl. 214-35)

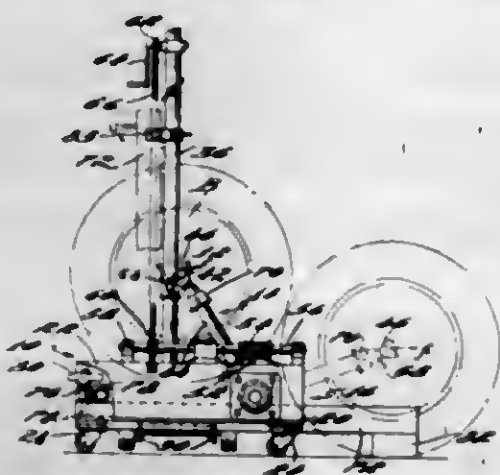


5. A method of feeding batch in granular form into a glass furnace, comprising feeding the batch onto the surface of the molten glass as a floating sheet interrupted in the center, impelling the two parts of said sheet side by side towards said furnace, and applying a retarding action to the outer marginal portions only of said sheet.

2,624,476

LIFTING DOLLY

Vincent R. Schmidt, Fairhaven, Mass., assignor to Schmidt Mfg. Co., New Bedford, Mass., a corporation of Massachusetts
Application June 9, 1950, Serial No. 167,164
17 Claims. (Cl. 214-77)



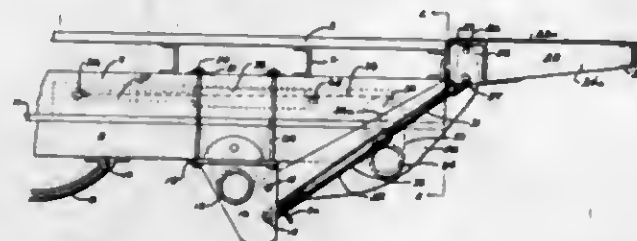
1. A warp-beam dolly comprising a base, wheels supporting the base near its corners for movement along the floor, spaced arms, means pivotally supporting the arms at one end on the base for angular movement in a perpendicular plane through an obtuse angle to effect movement of the extremities of the arms in an arc

from a pick-up position close to the floor outboard of the base to an elevated position above the base, means for effecting movement of the arms to lift a beam from the floor to an elevated position above the floor, said arms being extendable and retractable, means for effecting extension and retraction of the arms independently of the means for elevating the arms, a stabilizing member, means for fastening the stabilizing member to the base with an end of it extending outboard to at least the distance of the fully extended arms when the latter are in their horizontal positions, a pair of auxiliary wheels, means for supporting the auxiliary wheels intermediate the corner supporting wheel for movement from a retracted position above the plane of the corner supporting wheel to an operative position extended beyond the plane of the corner supporting wheel and eccentric means for effecting movement of the wheels from inoperative to operative position.

2,624,477

POWER-OPERATED ELEVATOR AND TAIL GATE

Kirwan Y. Messick, Arlington, Va., assignor of one-fourth to Frank G. Campbell, Arlington County, Va.
Application June 20, 1949, Serial No. 100,245
7 Claims. (Cl. 214-77)



1. In a device of the character described the combination with a rigid transverse support of a pair of brackets at the opposite ends of said support, means for clamping said support and brackets to a truck chassis, a pair of upper and lower pivots carried by each of said brackets, a pair of lifting arms having their inner ends mounted upon the upper one of the pivots of each bracket, a pair of telescopic supporting and tipping arms having their inner ends mounted upon the other and lower pivots of the said brackets, a combined lifting platform and tail gate to which the outer ends of the lifting arms and the supporting arms are pivotally connected at spaced points, and hydraulic power means included in the length of and forming part of the supporting arms for extending the effective length of said arms, to swing said platform from horizontal toward vertical tail gate forming position, said arms in their unextended position being substantially equal in length to the supporting arms, a rigid torque tube extending between and rigidly uniting the lifting arms at a point materially spaced from the inner and toward the outer ends of the lifting arms and means for imparting a lifting force to said torque tube.

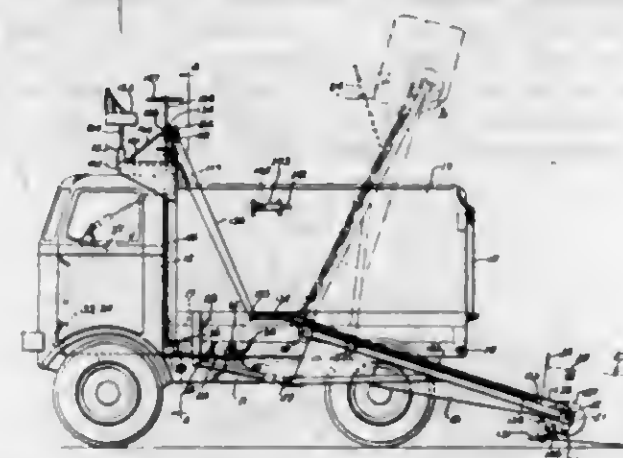
2,624,478

SELF-LOADING VEHICLE AND CONTROLS THEREFOR

Hyman C. Kaplan, Chicago, Ill., assignor, by mesne assignments, to Efficient Equipment, Inc., Chicago, Ill., a corporation of Illinois
Application February 9, 1950, Serial No. 143,319
8 Claims. (Cl. 214-78)

1. A power-operated vehicle comprising a chassis and an operator's cab on said chassis, a

body on said chassis spaced rearwardly of the cab, a pair of arms pivotally secured to said body extending beyond the rear end thereof, a lift carried on the extending ends of said arms, power means to move the arms about their pivots so as to position the lift in material receiving and material discharging positions, control

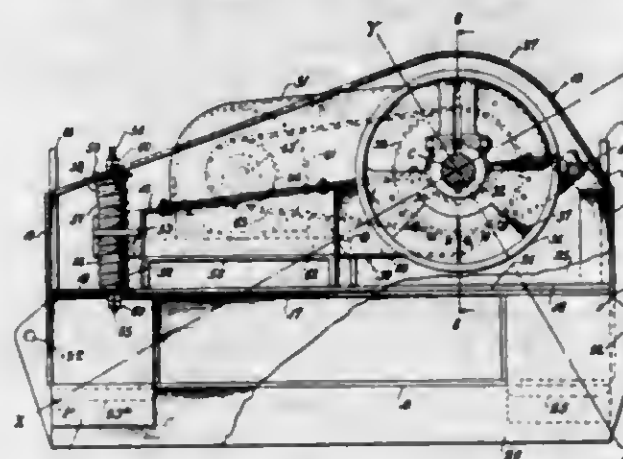


means for said arm moving power means arranged above the roof of the cab, vehicle control means located above the cab roof, all of said control means extending through the space between the cab and body, and a seat supported on a platform above the plane of the cab roof forwardly of the controls.

2,624,479

VIBRATOR FOR DISCHARGING HOPPER BOTTOM CONTAINERS

Albert Muschoot, Park Ridge, Ill., and Charles M. Young, Jr., Philadelphia, Pa., assignors to Link-Belt Company, a corporation of Illinois
Application March 15, 1949, Serial No. 81,467
9 Claims. (Cl. 214-83.3)



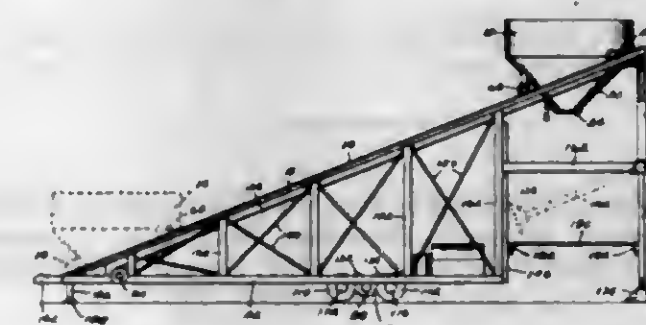
1. A vibrator for discharging hopper bottom discharge containers, comprising a bridge, means on the bottom of said bridge at each end portion thereof for supporting the bridge on the tops of the sides of the container to be discharged, said bridge being adapted to pivot about the extremities of the supporting means at one side of the bridge for delivering impact blows through the supporting means at the other side of the bridge, an unbalanced shaft rotatably mounted longitudinally of said bridge at the side which delivers said impact blows, said shaft having its axis passing through the center of percussion relative to the pivotal extremities of said supporting means, a motor support pivotally connected at one of its end portions to the impact delivering side of said bridge, resilient means connecting the other end portion of said motor support to the pivotal side of said bridge for limited movement relative to the latter, a motor mounted on

the resiliently connected end portion of said motor support, and means drivingly connecting said motor and said shaft for rotating said shaft to cause the unbalanced condition of the shaft to effect said pivotal movement of the bridge for delivering said impact blows, the line of force of said impact blows passing substantially through the impact delivering portion of said supporting means and the axis of said shaft.

2,624,480

PORTABLE ELEVATOR FOR CONCRETE MIXERS

Elmer Bartling, Arlington, Nebr.
Application December 23, 1950, Serial No. 202,469
3 Claims. (Cl. 214-100)



1. In a portable elevator for aggregate for concrete mixers, the combination which comprises an elongated horizontally disposed inclined elevator structure including spaced horizontally positioned parallel lower beams, upwardly inclined parallel upper beams positioned above the lower beams and extended upwardly from the ends of the lower beams at the low end of the structure, said upwardly inclined beams extended beyond the ends of the lower beams at the high end of the structure, spaced vertically disposed struts supporting the upwardly inclined beams from the lower beams, vertically disposed end struts extended downwardly from the upper ends of said upwardly inclined beams, lower sections pivotally mounted on the lower ends of said end struts for supporting the high end of the structure from a surface upon which the elevator may be positioned, supporting means for retaining said pivotally mounted lower sections in upright positions, trucks having wheels thereon positioned substantially midway of the length of the structure and mounted on said lower beams, adjustable supporting means depending from the lower end of the structure, and a dumping bucket mounted to travel on said upwardly inclined beams.

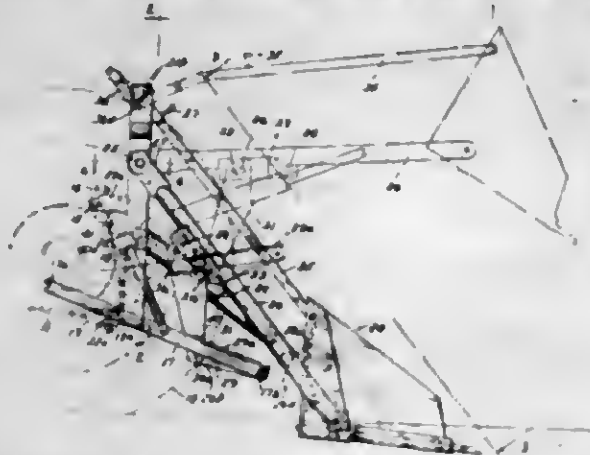
2,624,481

REAR-END LOADER FOR TRACTORS

Clarence B. Richey, Royal Oak, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application September 8, 1949, Serial No. 114,646
4 Claims. (Cl. 214-140)

1. A tractor mounted loader comprising a boom arm pivotally mounted on the tractor for vertical swinging movement, a power-lifted arm on the tractor, a connecting link between said arms, whereby said boom arm is lifted by said power arm, said connecting link having a pivotal connection to one of said arms, the other of said arms having a pair of spaced abutments thereon, and said connecting link having a pair of spaced surfaces thereon, one of said surfaces being engageable with one of said abutments during the initial raising movement of said arms and the

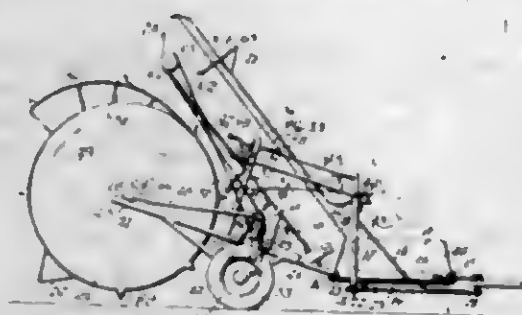
other of said surfaces engaging the other of said abutments throughout the rest of the raising movement of said arms, thereby shifting the ef-



fective leverage arm of the lifting force applied to said boom arm as said power-lifted arm is raised.

2,624,482

CHAFF AND STRAW RECEIVER AND COCKER
Andrew L. Donogh, Brandon, Manitoba, Canada
Application February 27, 1951, Serial No. 212,856
3 Claims. (Cl. 214-353)



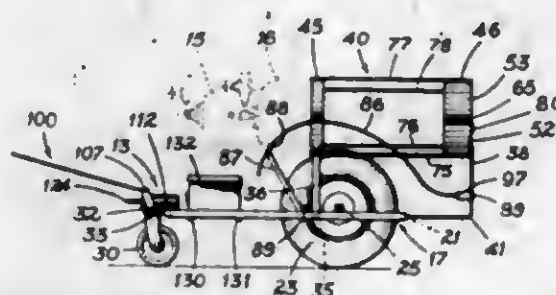
1. In a chaff and straw receiver and cocker, including front and rear supporting structure, a hinged conveyor unit, and an open-sided drum mounted upon said supporting structure, a truck on which said rear supporting structure is mounted to teeter, means for unloading said drum when full, and means for arresting the movement of said conveyor during the unloading cycle, said last mentioned means including a pivoted supporting standard for the drive of said conveyor, a belt pulley mounted for rotation on the upper end of said standard, a belt extending around said pulley, upwardly and rearwardly and around a further pulley on said conveyor, a rotatable crank secured upon one end of the shaft supporting said drum and a crank-arm extending between one end of said crank and the upper end of said supporting standard adapted to pivot the latter rearwardly during the unloading cycle of said drum thereby slackening the belt around said pulleys on said standard and said conveyor.

2,624,483

CARRIER FOR WELDING OUTFITS
Edward E. Ketzal, Dayton, Ohio
Application February 16, 1950, Serial No. 144,545
6 Claims. (Cl. 214-380)

6. A retaining unit for a welding outfit adapted for holding said outfit in position during operation and for transporting it as a highway vehicle, comprising a frame, a holder for removably receiving a plurality of cylinders containing gas for welding spaced above said frame, said holder including a forward cylinder-receiving section and a rearward cylinder-receiving section spaced

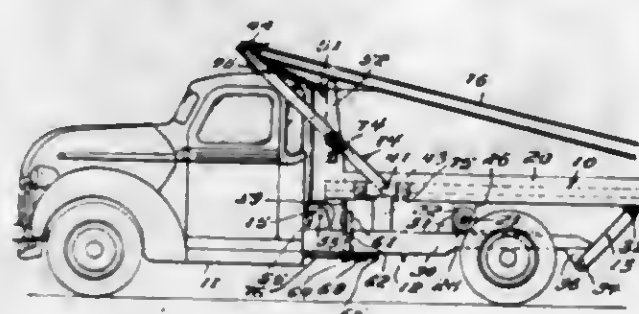
from said forward section, means for attaching said front section to said frame, means for attaching said rear section to said frame, said latter means including resilient portions substantially in the plane of said frame and flat portions substantially at right angles to said first portions cooperating with said rear section of said holder to provide a relatively thin flat base lying flat on a supporting surface for releasably receiving the bottom end of said cylinders when said bottom end is in contact with said surface during loading and unloading of said cylinders into said unit, said base supporting said unit on said surface in



upright operative position for a welding operation, a pair of vehicle wheels at either side of said frame and a single wheel at the forward end of said frame for maintaining said retaining unit in substantially horizontal position when said unit has been rocked to such position for manual movement from place to place, and connecting means at the forward end of the frame for connecting said retaining unit to an automotive vehicle for transport as a highway vehicle with the forward end of said frame above the horizontal and said forward wheel maintained out of contact with the ground.

2,624,484

LOADING DUMP TRUCK BODY
James E. Dalton, Crewe, Va.
Application June 15, 1950, Serial No. 168,366
6 Claims. (Cl. 214-504)



1. In a loading and dumping truck, the combination which comprises a chassis mounted on wheels, tracks having stops on the forward ends mounted on the chassis, a truck body positioned above the chassis, wheels journaled on the under side of the truck body and positioned to travel on the said tracks, links pivotally connected to the end portion of the chassis and also to the said truck body at a point spaced rearwardly from the rear end of the chassis for hingedly connecting the truck body to the chassis, an upwardly extended U-shaped frame pivotally mounted on the forward end of the truck body, a winch mounted in the chassis, a cable extended from the winch over a pulley in the upper end of the U-shaped frame and back to the frame, a pulley block having a hook extended therefrom carried by the cable, and means retaining the said truck body on the chassis,

2,624,485
NURSER

Frank E. Boston, Ravenna, Ohio, assignor to The Pyramid Rubber Company, Ravenna, Ohio, a corporation of Ohio
Application July 5, 1949, Serial No. 103,089
1 Claim. (Cl. 215-11)



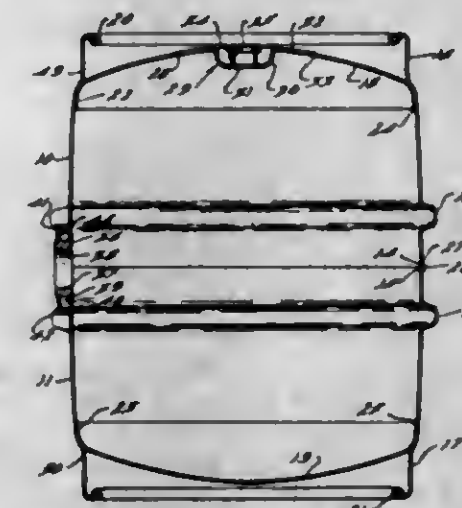
A nurser comprising a liquid container made of a thin tube of uniform thickness throughout and made of flexible material of relatively inextensible as distinguished from rubberlike quality having a uniform peripheral length at transverse sections thereof and closed at one end and open at the other, an annular member having a helical thread formed on its outer periphery at the top end thereof, said container passing through said member with the open end of the tube folded back over the top and threaded exterior of said member, said member being untapered on its external surface from the bottom of the screw threaded part thereof all the way to the top of the member, said peripheral length of transverse sections of said container when unstressed being greater than the inner circumference of the top end of said member and substantially the same as the outer circumference of the threaded part of said member, a nipple having a flange resting upon the open end of the tube where it passes over the top of said member; and a cap comprising a disc having a central opening and depending skirt spaced outwardly from said opening, said skirt having an internal helical thread of slightly greater diameter than correlative parts of the thread on said member to provide a slight clearance therebetween sufficient to accommodate said tube, said cap being screwed onto said member over said tube and the flange of said nipple clamping the flange between the tube and the cap in sealing engagement, the thread of said cap meshing with that of said member through said tube to secure and seal said tube to said member.

2,624,486

STEEL BARREL
Edward F. Lee, Detroit, Mich., assignor, by means assignments, to Serrick Corporation, a corporation of Ohio
Application May 7, 1948, Serial No. 25,767
3 Claims. (Cl. 220-5)

1. A steel barrel comprising lower and upper cylindrical shells, each shell being open at both its top and bottom ends, an annular head member having a peripheral skirt portion engaging the inner wall of said upper shell for closing the top end thereof, means comprising an internal weld joining said head member to the internal

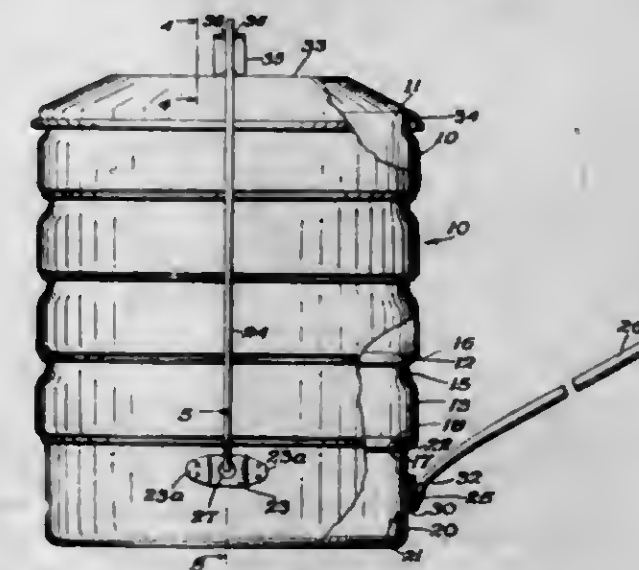
wall of said upper shell, a second annular head member having a peripheral skirt portion facing the skirt portion of said first head member and engaging the inner wall of said lower shell for closing the bottom end thereof, means comprising a second internal weld joining said second head member to the internal wall of said lower shell, an endless radial outwardly extending flange carried by the top end of said lower shell, the bottom end of said upper shell abutting the top end of said lower shell and nested within said



flange whereby both of said shells are maintained in alignment, means comprising a weld between said flange and the outer wall of said upper shell whereby said shells are permanently joined together at their abutting ends, a runner carried by each shell adjacent their abutting ends and defining two internal circumferential channels, and a drain outlet for said barrel intermediate said runners, each of said runners being pinched together adjacent said outlet to eliminate said channels in the vicinity of said outlet to thereby expedite complete draining of the barrel.

2,624,487

PAN STACKS
Clifford W. Fry, Wooster, Ohio, assignor to The Buckeye Aluminum Company, Wooster, Ohio, a corporation of Ohio
Application January 25, 1950, Serial No. 140,497
5 Claims. (Cl. 220-8)



4. A pan comprising an intermediate cylindrical wall portion, a constricted upper wall portion, a bead at the top of said upper wall portion, a lip at the bottom of said intermediate wall portion and in alignment therewith, a base having a diameter less than that of the intermediate

wall portion, and an exteriorly concave portion between said lip and said base in vertical alignment with said bead, said base portion being below the level of said lip.

2,624,488

COVER FOR HIGH-PRESSURE VESSELS
Levi T. Pritchard, Tulsa, Okla., assignor to Dry Ice Converter Corporation, a corporation of Delaware
Application November 7, 1947, Serial No. 784,575
1 Claim. (Cl. 220-46)



A pressure vessel seal for a closure extending into the open end of a pressure vessel, said closure having a seat cooperating with a seat within the vessel, a circumferential gasket channel carried by the inner end of the closure in advance of the seat thereon, said channel being rectangular in transverse cross section, an annular gasket round in cross section within said channel the outer side of which is in the path of the seat within the vessel when the closure is moved towards closed position whereby said gasket will roll over the seat and be contracted as said closure is seated, said channel being wider than the width of the gasket whereby a rolling action of the gasket is obtained when the gasket is forced over the receptacle seat and to the inside of the receptacle seat.

2,624,489

CONTAINER OPENER
Frank A. Wishart, Oakland, Calif.
Application January 18, 1950, Serial No. 139,159
1 Claim. (Cl. 220-52)

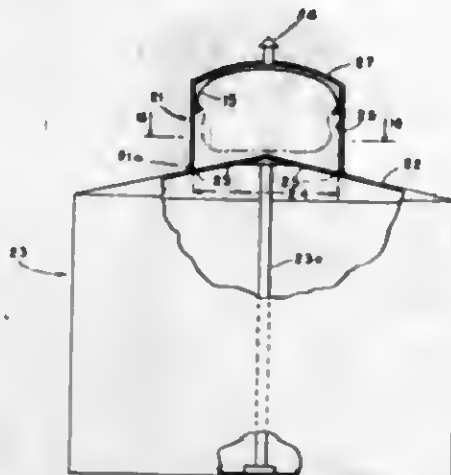


A container opening tool comprising an elongated slotted shank U-shaped in transverse section for its entire length, a hand grip handle portion at one end of the shank, said shank being tapered the entire length of the U-shaped portion in the direction from the handle portion towards its opposite free end so that said free end portion is the smaller portion of the shank in such transverse section, said shank being pointed at its free end, and said slot extending through said point, whereby a portion of a container body engaged in the slot may be slid from the slot at said pointed free end.

2,624,490

OIL TANK

Alexander F. Fino and Fred L. Plummer, Warren, Pa., assignors to Hammond Iron Works, Warren, Pa., a corporation of Pennsylvania
Application March 18, 1950, Serial No. 150,438
1 Claim. (Cl. 220-85)



A liquid storage tank for volatile liquids comprising a closed cylindrical wall and a closed bottom attached thereto, a round top attached to the upper part of the wall, a plurality of openings in the top adjacent the center thereof, a cylindrical wall extension affixed to the top adjacent the center thereof and surrounding the openings, the extension being of considerably less diameter than the wall of the tank, an annular ledge affixed to the interior of the extension intermediate the height thereof and extending inwardly therefrom in a horizontal direction, a flexible diaphragm of circular formation completely housed within the extension at all times and shaped into the form of a bucket with a bottom adapted due to fluctuation in fluid pressure thereon to freely rise and fall past the inner edge of the ledge while unrestricted against folding pressure that foldingly reduces the effective diameter of that bottom as it passes the ledge, the diaphragm having a free edge, a circular ring clamping the free edge of the diaphragm against the ledge, that part of the diaphragm adjacent the clamped portion overlying the ring when the center portion has fallen past the ring and ledge, the openings in the top of the tank providing fluid communication between the tank and that part of the extension that is beneath the diaphragm irrespective of the position of its bottom.

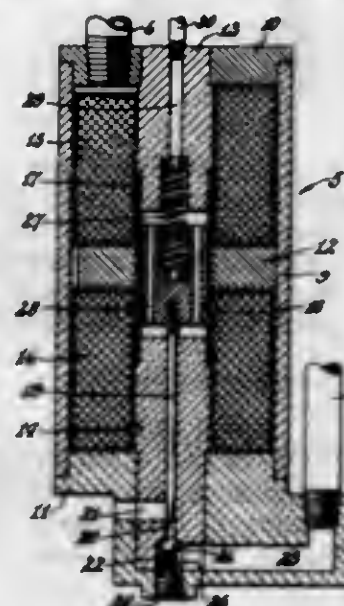
2,624,491

SUBMERGED SOLENOID OPERATED PUMP
Phillip H. Bills, Longmeadow, Joseph A. Logan, Hadley, and Theodore J. Mesh, Easthampton, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application May 4, 1950, Serial No. 159,904
2 Claims. (Cl. 222-146)

1. In a lubricant serving apparatus, a casing comprising a tube and upper and lower heads closing the ends of the tube, upper and lower cores in the tube coaxial therewith and fixed one to each head, said cores extending toward one another but terminating with their adjacent ends in axially-spaced relation, upper and lower solenoids respectively mounted on the upper and lower cores and each longer than its core, an annular ring between the adjacent ends of the two solenoids and engaging the inner wall of the tube, there being a chamber between the adjacent ends of the two cores and within the inner

peripheries of the ring and solenoids, an armature reciprocable in said chamber having passages connecting opposite ends; said tube, heads, cores, ring and armature being of magnetic material; the upper core having a passage there-through extending from end to end thereof, a rigid member secured to the casing and extending upwardly a substantial distance above the upper head, said casing adapted to be thrust by said member into and through lubricant in a container and positioned with its axis substantially vertical and its lower head near the bottom

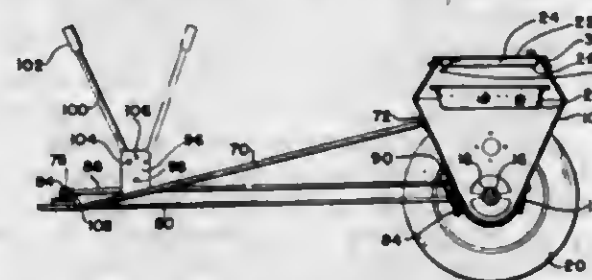
operatively connecting the rear end of said rod to said side plate so that rocking movement of said rod about its pivots will adjustably slide said side plate longitudinally of the hopper, a lever upstanding from the forward end of said rod, a U-shaped bracket embracing said rod and pivotally receiving the lower end of said lever, a clamping screw traversing said bracket and lever for clamping the lever rigidly to said bracket, and said bracket having a plurality of other apertures therein for receiving said clamping screw to provide for a plurality of adjusted positions of said lever relative to said rod.



of the container, a vent pipe connected to the upper end of the upper core and with the passage therein and extending upwardly far enough to reach the top of the container, a foot on the lower head having therein a cylinder coaxial with the armature and inlet and outlet passages at the upper and lower ends of the cylinder, and a valve in said outlet passage, said inlet passage being valveless and adapted to communicate directly with the container at a location closely adjacent said lower head, whereby to receive lubricant warmed by heat radiated from said solenoids and flowing downwardly along the periphery of said casing.

2,624,492

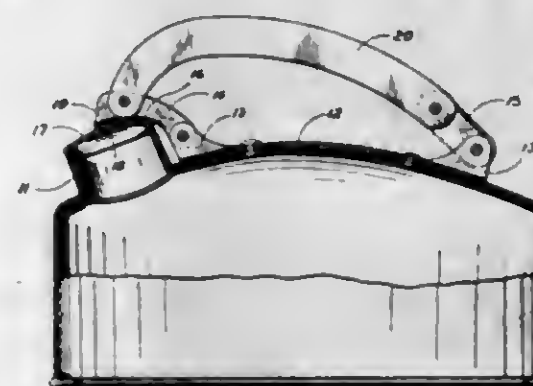
AGRICULTURAL MATERIAL SPREADER
Robert E. Seltzer, Bellevue, Ohio, assignor to The American Baler Company, Bellevue, Ohio, a corporation of Ohio
Application November 1, 1949, Serial No. 124,749
6 Claims. (Cl. 222-177)



1. In a spreader for granulated agricultural material; a hopper having discharge openings in the bottom, a slide plate resiliently mounted on the bottom of the hopper shiftable for varying the effective size of said openings, a hitch frame connected to one side of the hopper, constituting the front side thereof, and extending forwardly from the said front side, a rod extending parallel to the hitch frame, pivoted at the forward end to the forward end of the hitch frame and at the rear end to the front side of the hopper, means

2,624,493

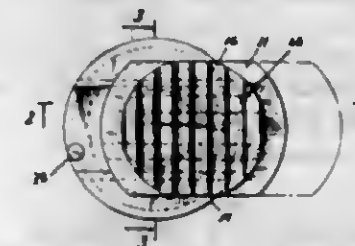
WHISTLING TEAKETTLE AND HANDLE
Kirk E. Porter, Wooster, Ohio, assignor to The Buckeye Aluminum Company, Wooster, Ohio, a corporation of Ohio
Application March 21, 1947, Serial No. 736,135
1 Claim. (Cl. 222-469)



A tea kettle comprising a closed vessel with a pouring spout at one side, a closure for the spout, a first link pivoted at one end to the top of the vessel adjacent the spout and connected at the other end to the closure, a second link substantially parallel to the first link pivoted to the other side of the vessel in alignment with the spout and the first link, a rigid handle for lifting the kettle pivoted at each end to the free ends of the links respectively for movement toward and away from the vessel and the spout, said links being inclined toward the spout when said closure is in the spout covering position, the closure being biased against the spout by the weight of the handle and the toggle effect of the inclined links.

2,624,494

CLOSURE MEMBER FOR CONTAINERS
Murray Gerin, Brooklyn, N. Y.
Application April 1, 1950, Serial No. 153,341
1 Claim. (Cl. 222-561)



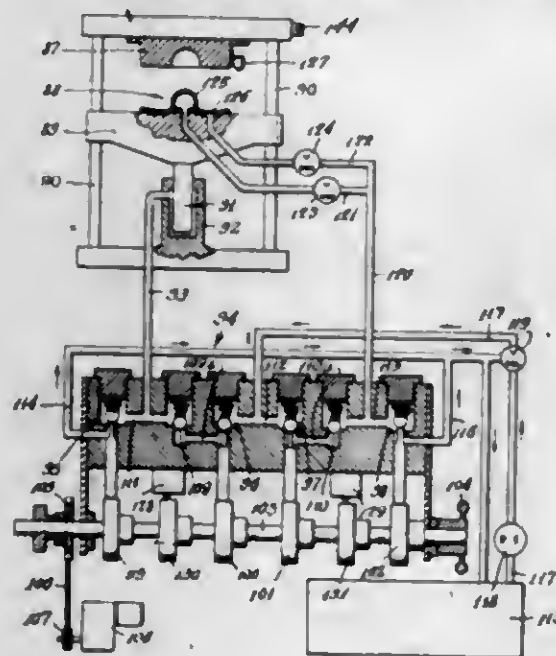
A closure member for containers including a base member, a port in said base member and a pair of stop pins extending upwardly from said base member, a pair of side members astride said port having the faces thereof inclined toward one another remote said port, and a valve mem-

ber having reversely positioned guide channels extending parallel to said side members along a substantial portion of the valve member each of said guide channels including an open end and a closed end, said closed ends being oppositely disposed, so that when the valve member is moved in one direction, one of said stop pins is stopped by the closed end of one of said channels, and the other of said stop pins upon movement in the opposite direction, is stopped by the closed end of the other of said channels.

2,624,495

HAT PRESSING APPARATUS

Irving H. Vickers, Fairfield, and George M. Rickus, Norwalk, Conn., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application September 8, 1949, Serial No. 114,594
17 Claims. (Cl. 223-13)



15. A hat press comprising a mould; a pressing head including a member movable in response to fluid pressure, cooperable with said mould; power-operated means for bringing together and separating said head and mould; power-operated means providing fluid under pressure for moving said member, said means being operable to relieve said fluid pressure; and automatic control means for operating both said power-operated means in a cycle, said automatic control means including a control device actuated incident to the closing of the head and mould in pressing relation, valve means connected to each of said power-operated means, and operating means for said valves actuated in a predetermined sequence whereby the pressing head and mould are held together during consecutive predetermined intervals in the pressing cycle and fluid under pressure is applied to said member, to move the same toward the mould and whereby the head and mould are held apart in the intervening time and the fluid pressure is relieved from said member.

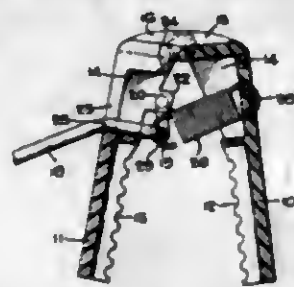
2,624,496

GARMENT HANGER

Dwayne Kenneth Williams, Anaheim, Calif., assignor to Williams Manufacturing Co., Inc., Anaheim, Calif., a corporation of California
Application February 12, 1951, Serial No. 210,522
2 Claims. (Cl. 223-96)

1. A garment hanger comprising a pair of opposed jaws, means hingedly connecting the jaws

together for clamping movement upon a garment to be suspended therefrom, a crank pivotally mounted upon one jaw, a suspending hook rigidly secured to the throw of the crank and swingable through a slot in the mentioned jaw between two extreme positions, and tension springs connecting

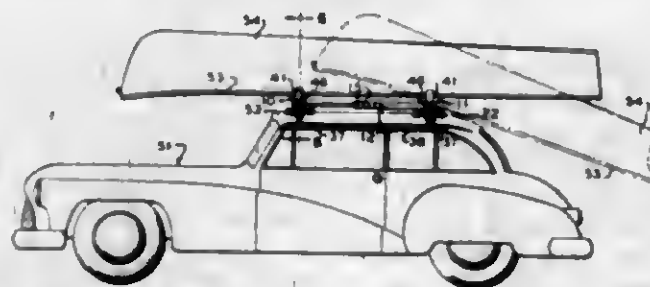


the throw of the crank to the other jaw adapted to be placed under tension so as to yieldably urge the jaws into clamping position when the suspending hook is swung into suspending position and to release the jaws for separation when the suspending hook is swung to its other extreme position.

2,624,497

CAR TOP BOAT CARRIER

Edgar W. Newman, Evansville, Ind.
Application February 2, 1951, Serial No. 209,125
12 Claims. (Cl. 224-42.1)



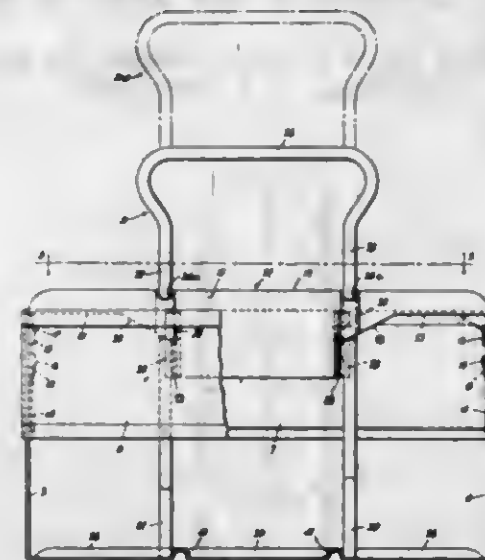
1. A car top boat carrier comprising transversely extending front and rear supporting bars connected by adjustable longitudinally extending tie rods, said supporting bars comprising inverted channels, spaced car top engaging and supporting means for each supporting bar, each supporting means comprising a stud secured to said bar, a supporting plate, a ball and socket joint connecting said plate and said stud, a plurality of suction cups fixed to said plate and adjustable flexible means connected to said plate and including means to engage a part of the car, whereby the relative position of said suction cups may be adjusted to conform to the configuration of the car top and said supporting bars firmly secured thereto by said cups and said flexible means, longitudinally disposed rollers mounted on said bars and projecting above the upper surface thereof, said rollers extending substantially the entire length of said bars, opposed clamping jaws slidably mounted on said bars, each jaw comprising a clamping portion projecting above said bar and including an outwardly and upwardly inclined lower surface merging into an inwardly and upwardly extending upper surface to provide a substantially V-shaped face, the lower end of said lower surface being below the top surface of said rollers and the upper end of said lower surface being above the top surface of said rollers, a resilient lining on said jaw face and an actuating portion disposed in the channel of said bar and having a threaded aperture, the threads in one jaw being right hand and in the opposed jaw left hand, a clamping rod disposed in the channel of said bar and having right and left hand threads engaging the threads in said jaws

whereby the bow of a boat may be placed on the rear roller and the stern of the boat moved upwardly and forwardly to dispose said boat in proper position on both front and rear rollers and upon rotation of said clamping rods to move said jaws toward each other said lower surfaces will engage the gunwales of said boat to lift the same from said rollers, continued movement of said jaws serving to firmly clamp said boat in carrying position.

2,624,498

BOTTLE CARRIER

Joseph A. Lamprecht, Cranford, N. J.
Application February 7, 1950, Serial No. 142,823
2 Claims. (Cl. 224-48)

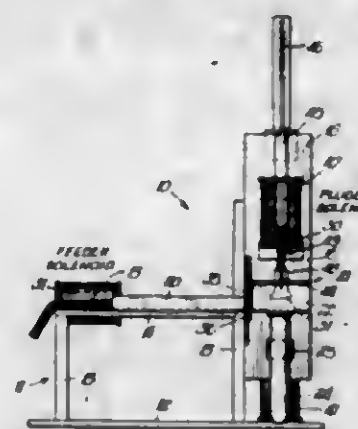


1. In a sheet metal bottle carrier, the combination with bottom, side and end walls, of a separator, each of said side and end walls being formed with inwardly displaced straps for anchoring the separator, and the separator including a central body portion and partition-forming side arms disposed at opposite sides of the body portion and integral therewith, each of said arms including a downwardly directed tongue interfitted with one of the side wall straps, and the ends of the body portion being directed downward and interfitted with the end wall straps.

2,624,499

APPARATUS FOR PLUGGING TEST TUBES AND THE LIKE

William Gold, Madison, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application October 22, 1949, Serial No. 122,957
15 Claims. (Cl. 226-2)



1. A plugging machine for test tubes or the like comprising, in combination, a stationary feeder trough having an aperture in the bottom through

which a strip of plugging material can be fed into a test tube positioned generally normal to said trough and in register with said aperture, a feeding tongue movable endwise in said trough for feeding the strip into the same and across said aperture, means for plugging the strip intermediate its ends through said aperture into the test tube, and means for sequentially operating said feeding tongue and plugging means.

2,624,500

MANUFACTURE OF FREE-FLOWING CRYSTALLINE SOLIDS

Homer D. Merrill and Conrad J. Gaiser, Berkeley, Calif., assignors to The Reaction Products Company, a corporation of California
No Drawing. Application May 11, 1950,
Serial No. 161,490
2 Claims. (Cl. 226-19)

1. The method of packaging finely divided copper sulfate penta-hydrate to maintain it in such finely divided form and free-flowing comprising applying from about two to about five per cent by weight of free water uniformly to the surface of finely divided copper sulfate penta-hydrate and placing the thus wet material in a waterproof and vapor-proof container.

2,624,501

CONTAINER HAVING WAX PRODUCT COATING

Seymour W. Ferris, Mount Holly, N. J., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application November 25, 1950,
Serial No. 197,635
9 Claims. (Cl. 229-3.1)

1. A hydrocarbon paraffin wax derived from petroleum having a melting point of from 125° F. to 132° F., a tensile strength at 40° F. of from 275 p. s. i. to 325 p. s. i., the tensile strength at 40° F. being at least 25 p. s. i. higher than the tensile strength at 70° F.

8. A container for packaging milk formed from a fibrous sheet material and provided with an adherent moisture and liquid resistant coating, said coating being formed from a hydrocarbon paraffin wax derived from petroleum, said wax having a melting point of from 125° F. to 132° F., a tensile strength at 70° F. of about 250 p. s. i., a tensile strength at 40° F. of about 280 p. s. i., an oil content of less than 1%, and being completely distillable within the temperature range of from 400° F. to 650° F. at 10 mm. of mercury pressure.

2,624,502

MERCHANDISE PACKAGE

Glen L. Evans, Caldwell, Idaho, assignor to Glen L. Evans, Inc., Caldwell, Idaho, a corporation of Idaho
Application February 7, 1948, Serial No. 6,919
2 Claims. (Cl. 229-71)



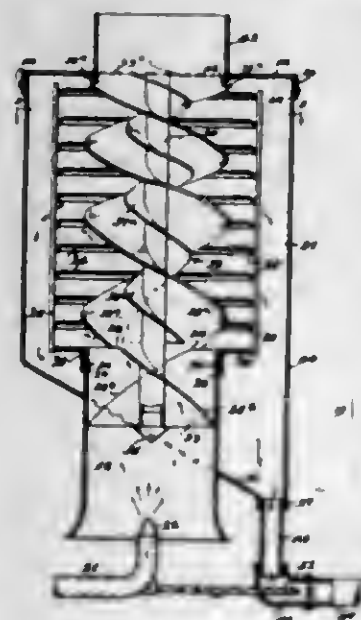
1. An elongated container consisting of a single piece of resilient transparent plastic material

comprising a back panel, a retaining flap forming a closure panel extending across the side of the container to substantially the side edges thereof, a pair of side wings extending substantially the length of the container and leaving a space between the side edges of said wings substantially one-third of the width of the container, an integral front panel extending from the opposite end of the container from said retaining flap, said front panel also extending the length of the container so as to overlap the side wings and overlap and engage under the retaining flap when in operative position, said retaining flap overlying one end of each side wing, a staple medially positioned in said retaining flap and fixedly securing the same to the back panel and clamping one end portion of each of the side wings against the back panel, said side wings being joined to the back panel by a single crease between the back panel and the side wings the unclamped end portions of the side wings flaring outwardly from the back panel and resiliently contacting the underside of the integral front panel when said front panel is in operative position.

2,624,503

SPARK ARRESTER FOR STEAM LOCOMOTIVES

Charles A. Kutcher, Sheridan, Wyo.
Application January 12, 1951, Serial No. 205,764
9 Claims. (Cl. 230-97)



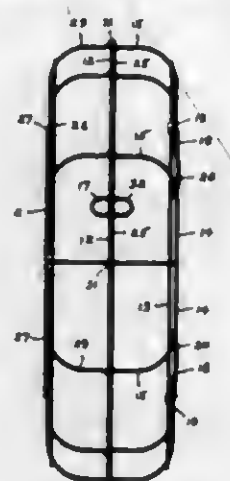
1. A spark arrester comprising an upright casing having an open top and an inclined bottom, said casing having a restricted outlet at the lower end of said inclined bottom, an inlet conduit extending through and secured intermediate of its ends in said inclined bottom and supported thereby axially of the casing, a steam discharge nozzle opening upwardly into the lower inlet end of said conduit for creating an updraft through the conduit and casing, a deflector unit having an annular base portion disposed around and detachably secured to the upper end of said conduit and supported thereby within the casing and axially thereof, said deflector unit including a plurality of rods fixed to and rising from said annular base and a plurality of annular deflector plates connected to and supported by said rods in vertically spaced relationship to one another, a helicoid baffle including a double flight vane extending through said deflector unit and demountably supported therein on the upper end of said conduit, an annular closure detachably mounted on the open upper end of said casing

and having a central opening disposed in alignment with said helicoid baffle, and a stack having a lower end secured in said central opening to receive the exhaust gases from said casing, said helicoid baffle functioning to deflect burning particles carried by the exhaust gases centrifugally outwardly through the spaces between the annular deflector plates to be returned by gravity downwardly through the outer part of said casing down the inclined casing bottom to said restricted outlet.

2,624,504

MEANS FOR INTERCONNECTING FAN GUARD FRAME SECTIONS

John H. Viewegh, Indianapolis, Ind.; Alice N. Viewegh executrix of said John H. Viewegh, deceased.
Application April 20, 1950, Serial No. 157,116
8 Claims. (Cl. 230-275)

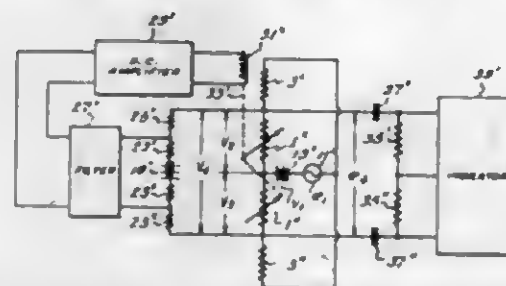


8. Means for detachably securing together two frame sections comprising in combination a resilient ring on one frame section having an elastic preformed set therein for a normal diameter; a local deformation in the ring to permit expansion and contraction to provide a variable diameter of the ring; a ring on the second frame for presentation toward the first said ring and having a normal diameter substantially equal to that of the normal diameter of the first ring; and a plurality of abutments carried by said one frame section around said second ring and spaced therefrom laterally and inwardly from the said first ring to form a frame recess between the ring and the frame of a width substantially equal to the diameter of the said second ring; whereby the first ring may be sprung through the second ring to expand and rest in said recess.

2,624,505

COMPUTER

Willis G. Wing, Roslyn Heights, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application May 2, 1950, Serial No. 159,560
13 Claims. (Cl. 235-61)



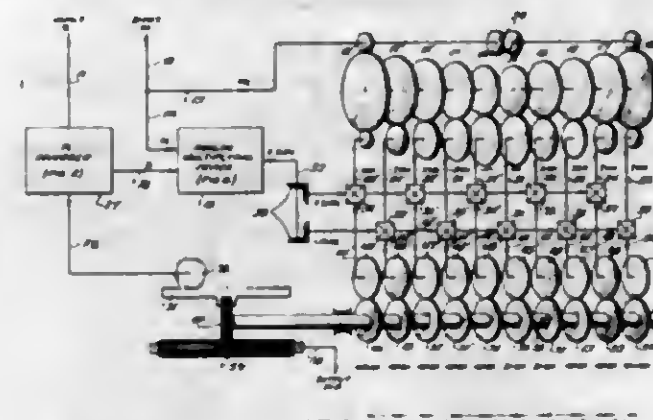
1. In combination, an adjustable voltage divider, means for connecting a first and a second

source of potential in series and across said voltage divider, means for comparing the signal produced at the output of said divider by said first source of potential with a reference signal to produce a control signal, and means responsive to said control signal for adjusting said voltage divider.

2,624,506

MULTIPLYING MECHANISM

Edward Dawson, New York, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application November 29, 1950, Serial No. 198,198
10 Claims. (Cl. 235-61)



1. In a multiplying mechanism comprising a first input member adapted to be actuated in accordance with a first factor, a second input member adapted to be actuated in accordance with a second factor, modifying means coupled with said first input member for producing an output proportional to a function of said first factor, the output thereof successively increasing and decreasing between predetermined limits, a multiplying device having one input connected to receive the output of said modifying means and the other input connected to said second input member, a plurality of multiplying means connected to the second input member for providing a plurality of outputs each proportional to a discrete multiple of the factor represented thereby, means for algebraically combining the output of said multiplying device with alternate outputs of said plurality of multiplying means in a sense corresponding to the sense of the output of said multiplying device, and means for algebraically combining the output of said multiplying device with the remainder of the outputs of said plurality of multiplying means in a sense opposite to the sense of the output of said multiplying device.

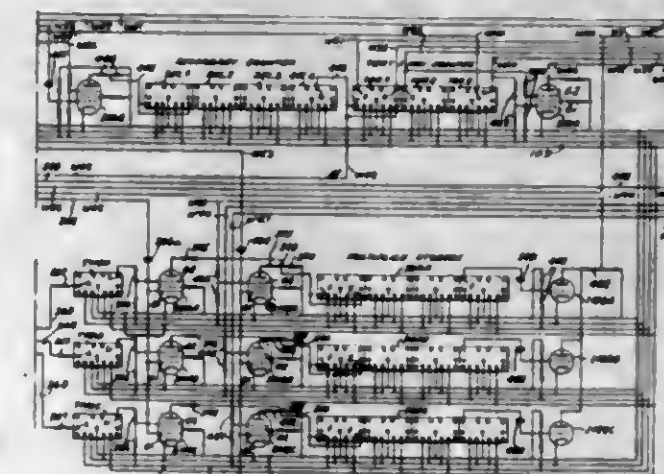
2,624,507

ELECTRONIC CALCULATING MACHINE

Byron E. Phelps, Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 27, 1945, Serial No. 618,881
42 Claims. (Cl. 235-61)

31. In a multiplying device, a multi-ordered product storage device, carry means for said device, a multiplicand storage device and a multiplier storage device each device comprising an electronic counter; means for setting said multiplicand and multiplier storage devices to represent multiplicand and multiplier factors, respectively; impulse metering means adapted to cooperate with said multiplicand and multiplier storage devices to meter impulses to said product storage device, stepping means cooperating with said multiplier storage device for controlling said metering means to control the metering of impulses in each step in accordance with a

different digit stored in said multiplier storage device and said multiplicand storage device cooperating with said multiplier storage device

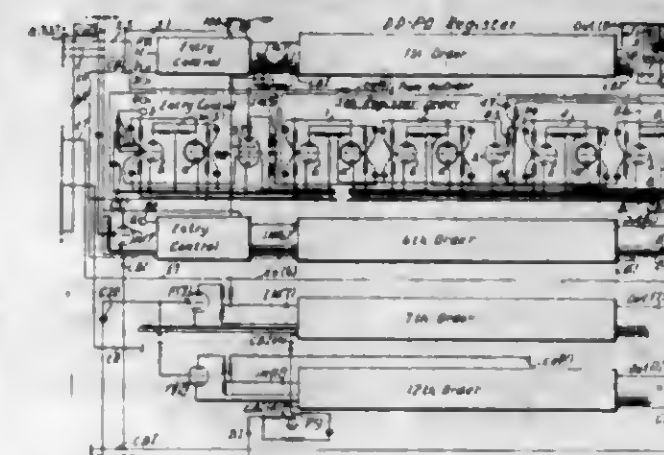


whereby the pulses metered in each step are indicative of the product of all the multiplicand digits times one only of said multiplier digits.

2,624,508

ELECTRONIC DIVIDING AND MULTIPLYING APPARATUS

Arthur H. Dickinson, Greenwich, Conn., and Byron E. Phelps, Wappinger Falls, and Carl A. Bergfors, Yonkers, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,914
47 Claims. (Cl. 235-61)



13. In cyclically operating apparatus to perform a multiplying or dividing computation upon a pair of terms, a result forming accumulator having in each order a counter circuit provided with a plurality of electronic discharge tubes operated by pulses for receiving value entries, circuits for applying pulses to selected groups of the counter circuits to produce entries therein of a term of either computation, column shift means acting through said pulse applying circuits for selecting successive groups of counter circuits in successive column shift positions, and means conditioned during a multiplying computation for suppressing operation of the pulse applying circuits in the last column shift position.

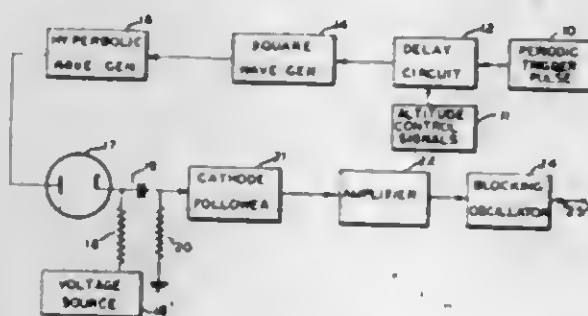
2,624,509

ELECTRICAL CIRCUIT FOR THE SOLUTION OF RIGHT TRIANGLES

Britton Chance, Cambridge, and Robert C. Keiner, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 22, 1945, Serial No. 584,232
3 Claims. (Cl. 235-61.5)

1. In an electrical circuit for the solution of right triangles, a source of trigger pulses, a source

of control pulses characterized by the fact that the output control pulses therefrom are proportional to the altitude of the triangle, a delay circuit connected to said first and second-named sources, a square-wave generator having its input side connected to the output side of said delay circuit, the output trigger pulses from said delay circuit being effective as synchronizing pulses with respect to said square-wave generator, a hyperbolic-wave generator connected to said square-wave generator and driven by the square-wave output from the latter to generate a series of hyperbolic waves in which the initial point of

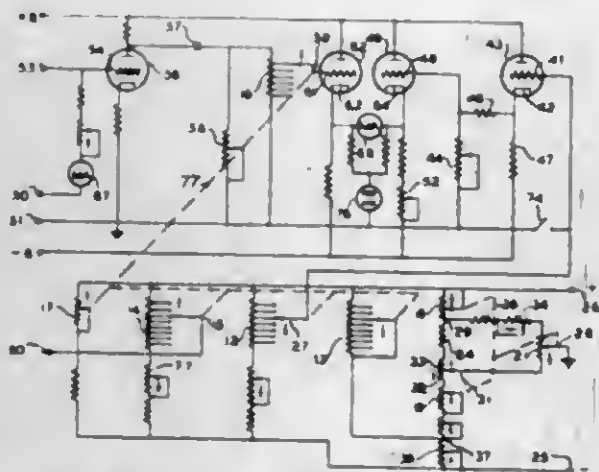


each wave is substantially coincident with a delayed pulse from said delay circuit, an electron tube having a plate and a cathode, the output side of said hyperbolic-wave generator being connected to said plate, a source of positive voltage proportional to the base of said triangle and connected to said cathode, a peaker circuit connected to said tube and consisting of a condenser and a resistor, a cathode follower connected to said peaker circuit, an amplifier connected to the output side of said peaker circuit, and a blocking oscillator connected to said amplifier and triggered by the output pulses therefrom.

2,624,510

ELECTRONIC AIRCRAFT GUN FIRE CONTROL COMPUTER

Lucien J. B. La Coste, Austin, Tex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 22, 1945, Serial No. 584,238
2 Claims. (Cl. 235-61.5)



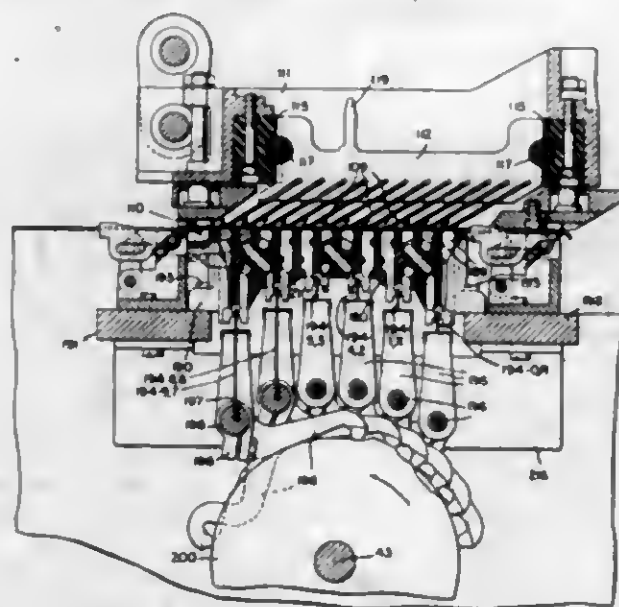
1. In an aircraft gun fire computer, an electrical circuit for establishing and coordinating a plurality of potentials representing a corresponding plurality of ballistic factors to predict the future range at which the guns should be fired, comprising means for establishing a first direct current potential representing the time rate of change of range, said means including a potentiometer-capacity network, said potentiometer being coupled to the control grid of a vacuum tube, means including a plurality of potenti-

ometers for establishing a second direct current potential representing a summation of the parameters of muzzle velocity, air speed, altitude and temperature, means including an indicating meter for differentially combining said potentials, said means for differentially combining potentials comprising a pair of vacuum tubes, one of which is said vacuum tube, each of said tubes having cathode output load resistors and having said meter connected between the two cathodes, and means comprising a unicontrol of said potentiometers for simultaneously altering all of said potentials in accordance with the fuse time of the shell to be fired.

2,624,511

RECORD PERFORATION ANALYZING MECHANISM

Clarence R. Manning, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 13, 1951, Serial No. 246,362
5 Claims. (Cl. 235-61.11)



4. An analyzing mechanism for analyzing a perforated record having rows of index points comprising a plurality of rows of contact points, one row being provided for each row of index points, a plurality of rows of analyzing brushes, each brush adapted to make electrical contact with the associated contact point through a record perforation, a plurality of reciprocable carriers, each carrying a row of contact elements adapted to make alternating contact with two rows of contact points associated with two rows of analyzing brushes which analyze non-adjacent index points, and a series of sequentially effective cams constructed and arranged to rock said carriers in such manner that each carrier causes its contact elements to make contact with its related two rows of contact points and in alternation with the contact by the contact elements of the next operated carrier with two other rows of contact points.

2,624,512

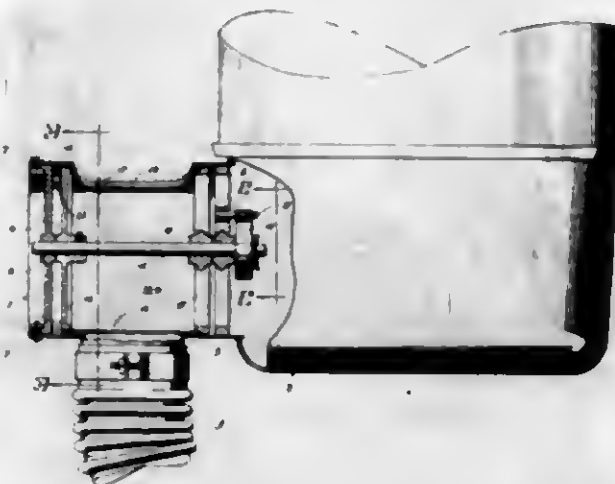
THERMOSTATIC REGULATING DEVICE

August W. Rickenbach, Williamsport, Pa., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application November 1, 1950, Serial No. 193,403
5 Claims. (Cl. 236-12)

1. A thermostatic control device for use in supplying temperature-regulated carburetor air to

an internal combustion engine regardless of climatic conditions, said device comprising a stationary cylindrical body, a cap member closing one end of said body, a spider disposed within the opposite end of said body, said body being formed to define a pair of ports in its side wall, one of said ports being in communication with a cold air supply, the other of said ports being in communication with a hot air supply, a drum rotatably and concentrically disposed within said cylindrical body, said drum being formed to define a pair of ports for registry with said first

one side thereof adjacent an end of the pivotal axis of the gate and including an arm disposed to swing toward and from the gates and to engage the gate in radially spaced relation from the pivotal axis of the gate to open the same, said arm and gate projecting from their axes of swinging movement in substantially the same general direction to facilitate the arm swinging in substantially general parallelism to the gate during substantially the entire opening movement thereof, said second means including means tending to urge said arm inwardly towards the gate at all times, said third means in its entirety being a separate means from said second means.



2,624,514

GRINDING OF THERMOSETTING AMINO-PLASTIC GRANULAR MOLDING COMPOSITIONS

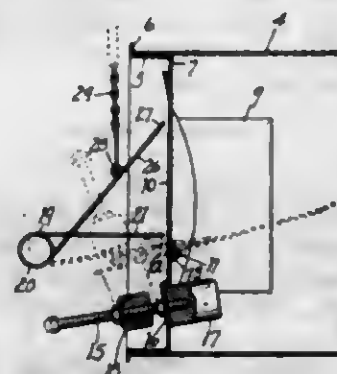
Vladimir J. Wilhousky, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 30, 1949, Serial No. 119,016
6 Claims. (Cl. 241-3)

1. A process which comprises heating a finely ground thermosetting aminoplast molding powder while maintaining it in a loose, uncompacted condition to a temperature of about 45-80° C., feeding the heated powder directly into a briquetting machine and forming briquettes under a pressure of 5,000-25,000 pounds per square inch, said briquettes being of such a size that they have a ratio of area to volume of less than 10:1, immediately granulating the resulting briquettes while hot to form a granular material, the particles of which are small enough to pass through a 10-mesh screen and the major portion of which will not pass through an 80-mesh screen.

2,624,513

DRAFT CONTROL

Edward A. Field, Mendota, Ill.
Application December 17, 1949, Serial No. 133,575
10 Claims. (Cl. 236-45)

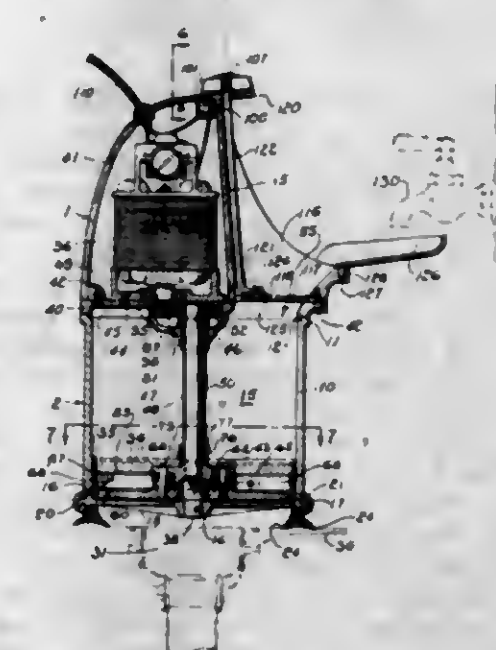


8. In a draft control, a housing defining a gate opening, a pivoted gate disposed in said opening, a first means connected to said gate for urging the same towards a closed position for barometric draft control, a second means disposed to open said gate and hold the same open against the return action of said first means and a third means connected to said second means operable against the force of the second means to render the second means inoperative in holding the gate open to thereby permit the gate to close under the return action of said first means for barometric draft control, said second means being supportingly connected to the housing at

2,624,515

GARBAGE DISPOSAL DEVICE

Edward G. Brown and Daniel W. Miller, Lakewood, Ohio
Application April 30, 1949, Serial No. 90,746
9 Claims. (Cl. 241-38)



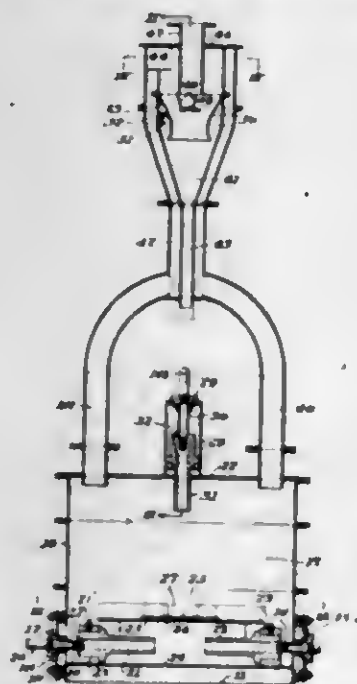
1. A garbage disposal device comprising a casing enclosing a grinding chamber and having a discharge opening at the bottom thereof, the casing having an opening at the top adjacent one side thereof, a housing surmounting the cas-

ing at the other side thereof, an electric motor enclosed by said housing, an electric switch supported within the housing and including an operating part for opening and closing the switch, the housing including a wall provided with an aperture through which said operating part projects, a cover supported for movement between open and closed positions with respect to the top opening of the casing, an obstructing element, and an instrumentality movably supported adjacent the housing and including an actuator for the aforesaid operating part of the switch and an obstructing part for cooperation with the aforesaid closure and which is so related to the actuator that it prevents said closure from being moved to open position when the actuator is in a position to maintain the switch closed through intervention of the aforesaid operating part.

2,624,516

FLUID IMPACT PULVERIZER AND SEPARATOR

Alfonse M. Andries, Columbus, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application January 4, 1949, Serial No. 69,103
6 Claims. (Cl. 241-39)



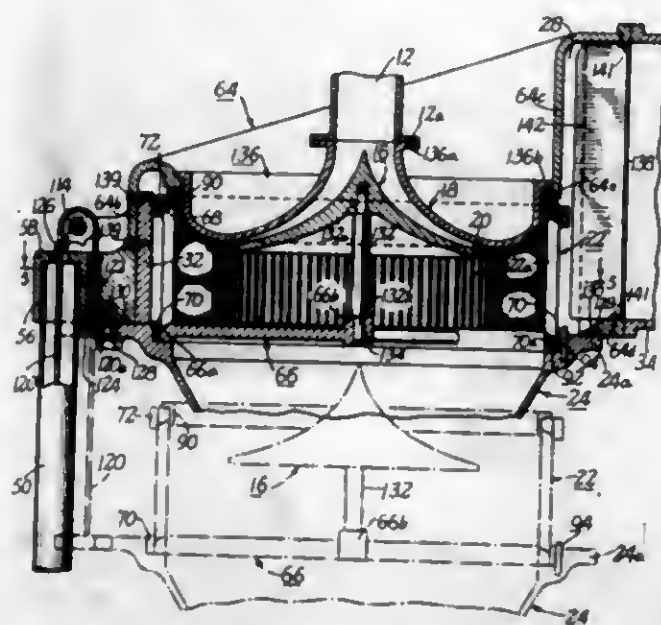
1. Apparatus for pulverizing and separating material comprising in combination, a substantially open impact pulverizing chamber, a plurality of opposed generally horizontal grinding and recirculating ejectors having a common intersection in said chamber, an ejector for feeding material into said chamber, said ejector being substantially directed toward said plurality of recirculating ejectors, a baffle interposed between said recirculating ejectors and said feeding ejector, said baffle being above said common intersection, pairs of upstanding walls on said baffle on the side away from said recirculating ejectors, said walls forming radial channels which narrow as the distance from the center of the baffle increases, an outlet end for each channel being positioned substantially adjacent one of said recirculating ejectors, at least one uptake connected to said chamber, a separator connected to said uptake to remove pulverulent material from the stream in said uptake, a downcomer to lead off rejected material from said stream, mechanical means for feeding material to said feeding ejector, said mechanical means being connected to said downcomer to receive the material

passing therethrough, whereby said recirculating ejectors are continuously supplied with fresh and recirculated material guided by said channels.

2,624,517

FLUID CURRENT COMMUNICATOR WITH CYLINDRICAL ABUTMENT IMPACT TARGET

Franklin S. Smith, North Haven, Conn.
Application March 5, 1949, Serial No. 79,860
12 Claims. (Cl. 241-40)



1. In apparatus of the type described, a vertically positioned conduit, means to create a stream of air flowing downwardly through said conduit, a stationary cone-shaped cycloid positioned beneath said conduit, a cylindrically-shaped target array having its inner wall positioned outwardly from the lower edge of said cycloid, said target array including a plurality of vertically positioned spaced targets, said stream of air carrying the product to be milled against said target array with sufficient force to disintegrate the particles of which said product is comprised, means forming a passageway externally of said target array for collecting the particles of said milled product passing through said target array, and a hopper positioned beneath said target array for collecting the particles of said milled product which do not pass through said target array.

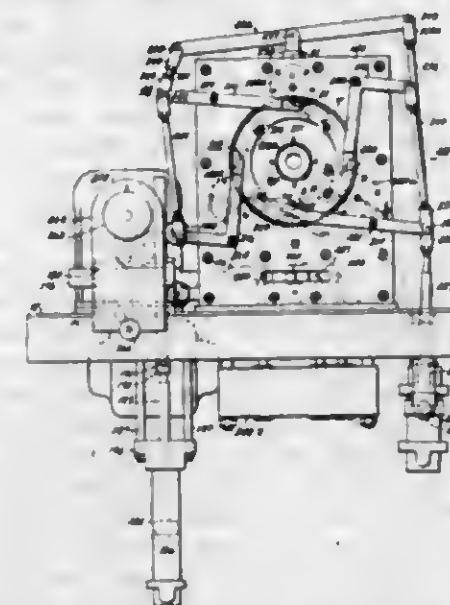
2,624,518

STATOR WINDING MACHINE

Robert O. Scofield and Herbert C. Schryver, Warren, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 5, 1946, Serial No. 701,512
15 Claims. (Cl. 242-1)

1. A stator winding machine comprising a turret within which a stator core is secured, means capable of rotating the turret in either direction and including a reciprocating member having stop-engaging lugs extending therefrom, stops for variably limiting rotation of the turret due to engagement therewith by said lugs, a shuttle movable through the stator core when mounted within the turret and operable to place a wire in a stator core slot, means for moving the shuttle, a mechanism for operating said means in timed relation whereby a wire is located around certain groups of core teeth depending on the extent of movement of the turret,

and means operated by said mechanism for causing, in predetermined sequence, the retraction

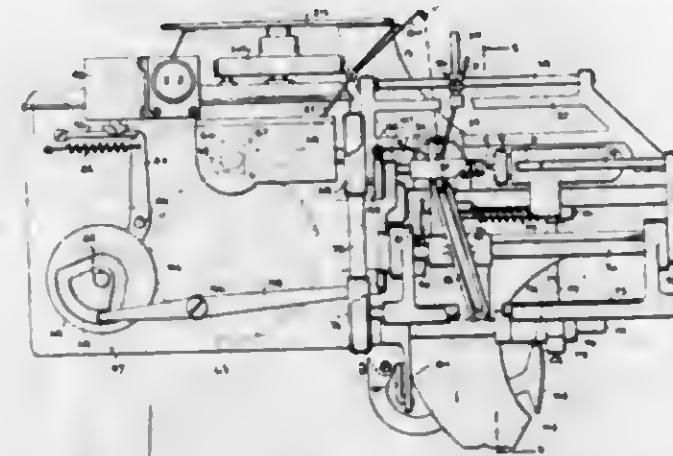


tion of the stops in pairs from the path of movement of the lugs.

2,624,519

AUTOMATIC MECHANISM FOR WINDING BOBBINS, QUILLS, AND THE LIKE

Richard A. Griefen, Conshohocken, Pa., assignor to Martin Fabrics Corporation, New York, N. Y., a corporation of New York
Application January 3, 1949, Serial No. 68,776
15 Claims. (Cl. 242-39)



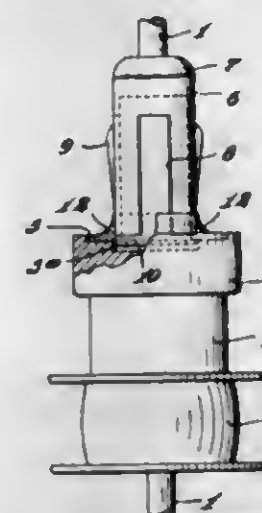
1. In an automatic machine for the continuous traverse winding of quills, bobbins and the like, and having a quill change cycle, a traverse carriage reciprocable in a direction parallel to the longitudinal axis of the quill, pivoted thread guide means carried by said carriage, a retractable driving member for said quills, a solenoid switch actuating the change cycle of the machine, a quill contact member adjustable for a predetermined wind thickness, whereby to momentarily energize said solenoid for initiating the change cycle of the machine, positioning means for disposing quills in operative position at the winding station, a thread catching mechanism synchronized with said retractable driving member, whereby to firmly secure the thread between the advancing driving member and a fresh quill, independent clamping means for fixing the thread at a point remote from said driving member, said positioning means having a cutting knife operable to sever the thread held between said clamping mechanism and said driving chuck and quill, and an auxiliary guiding member surrounding said driving member for alignment of said thread.

666 O. G.—13

2,624,520

BOBBIN CLUTCH

George Magrath, Whitinsville, Mass.
Original application January 24, 1946, Serial No. 643,112, now Patent No. 2,528,066, dated October 31, 1950. Divided and this application July 7, 1950, Serial No. 172,535
2 Claims. (Cl. 242-46.6)



1. A spindle comprising a blade, a whirl mounted on said blade, said whirl having a cylindrical head, the upper face of said head having a central circular recess, a case extending about said blade and having a head formed with a plurality of circumferentially spaced depending segments projecting into said circular recess with their end portions in spaced relation to its bottom and side walls and defining a plurality of circumferentially spaced slots, an annular member fitting within the space between the lower ends of said segments and the side wall of said annular recess, the lower part of said annular member projecting below the ends of said segments so as to define therewith clearance space below said segments, and a spring member having an annular base and a plurality of resilient clutching fingers integral with and projecting upwardly from said base, said base being disposed within said clearance space beneath the ends of said segments with its clutching fingers projecting upwardly through said slots so as to engage the bore of a bobbin seated on said whirl, said annular member contacting said segments and base so as to prevent outward radial movement of said segments when said spindle is rotating and maintain said case and spring member in interlocked relationship within said circular recess.

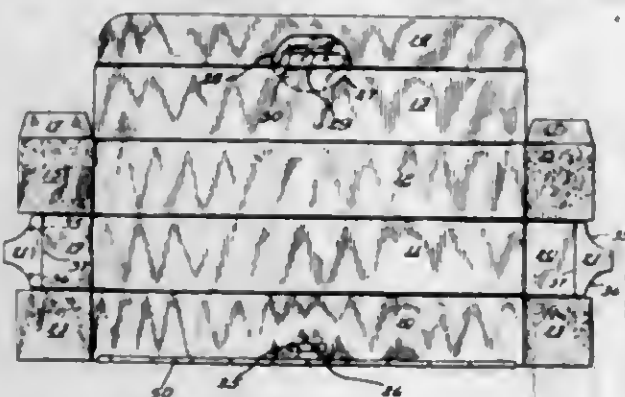
2,624,521

DISPENSING PACKAGE

Frank L. Broeren, Neenah, Wis., assignor to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application January 7, 1952, Serial No. 265,340
7 Claims. (Cl. 242-55.5)

1. A web-dispensing package comprising a container for retaining a wound roll of sheet material wound on a hollow core and dispensing lengths of sheet material therefrom, said container comprising a receptacle portion for receiving and retaining said roll of sheet material, said container being formed from a single blank suitably cut and scored to provide a front, rear, bottom and end walls, end flaps hinged at the ends of each of said walls and adapted to be adhered in overlapping relation to provide a receptacle portion for receiving a roll of sheet material, a cover portion hinged to said rear wall for closing said receptacle portion, and roll-retaining

flaps connected by a hinge line to an opposed pair of end flaps and extending interiorly of said receptacle portion, said hinge lines extending substantially parallel to the said bottom wall and intermediate the bottom wall and said cover portion, said roll-retaining flaps being substantially

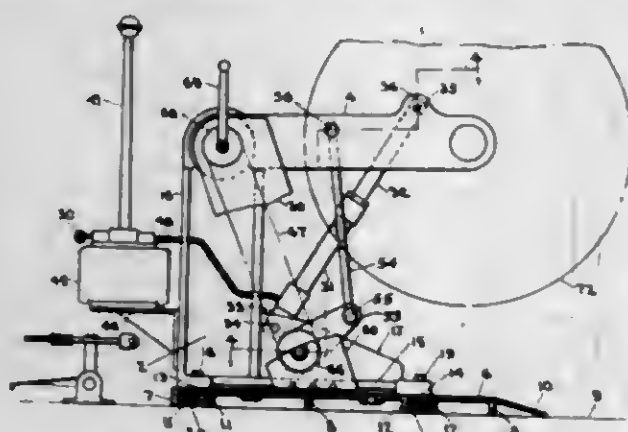


triangular-shaped and having opposed inwardly curved free edges contacting inner surfaces adjacent the ends of said hollow core to provide a bearing surface for said roll for retaining the roll in said receptacle portion while permitting rotation of the roll for dispensing lengths of sheet material from said package.

2,624,522

REEL STAND

Charles F. Van Hook, Paterson, N. J.
Application July 2, 1947, Serial No. 758,681
8 Claims. (Cl. 242-58)



1. In a mechanism of the kind described, the combination comprising a pair of spaced, upright frame elements, a lever pivoted at one end to one of said frame elements, a second lever pivoted at one end of the other frame element coaxial with the pivotal connection of said first mentioned lever, hydraulic mechanism for effecting movement of the levers about their pivotal connections to the frame elements including a pair of hydraulic rams, one of said rams linking one of said levers to its respective frame-element and the other of said rams linking the other of said levers to its frame element, a hydraulic pump for supplying fluid under pressure to the rams to lift the levers, a reservoir for supplying fluid to the pump and receiving fluid from the rams, and means for effecting synchronous movement of the levers.

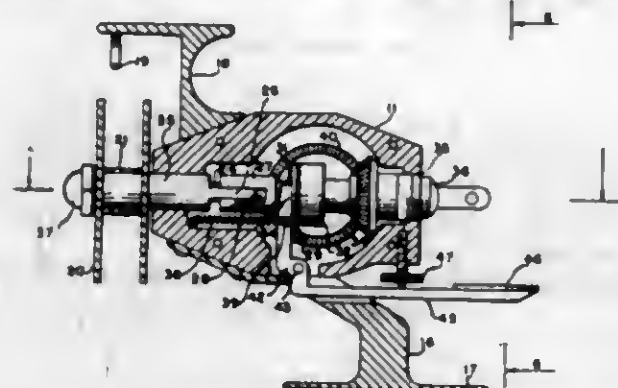
2,624,523

FISHING REEL DEVICE

Arthur W. Sawitzke, Cleveland, Ohio
Application May 23, 1949, Serial No. 94,771
3 Claims. (Cl. 242-84.5)

1. A fishing reel device adapted to control the extension and retraction of a line, said device being mountable on a rod having a handle por-

tion, said device comprising in combination a hollow casing, a mounting member for mounting said casing to said rod, a shaft extending longitudinally of, and carried by, said casing and having an end portion extended through a wall thereof, a spool mounted on said end portion of the shaft, a first sleeve member and a second sleeve member in non-rotative engagement with each other carried by said shaft, said first sleeve member being non-rotatively engaged to said spool and said second sleeve member being movable longitudinally of said shaft relative to said first sleeve member, a gear member carried by said shaft, manually operable driving means carried by said casing and engaging said gear member for revolving the same, a pair of complementary and opposed clutch members carried by said shaft, one of said clutch members being connected to said second sleeve member and the other of said clutch members being connected to said gear member, said one of said clutch members having an annular shoulder portion extending therearound, said spool, sleeve members, gear member and clutch members being axially aligned on the axis of said shaft, and said annular shoulder



der portion being disposed at an angle to the said axis, an actuating member pivotally carried by said housing, said actuating member having an engaging portion disposed at an angle to said axis and adapted to engage said shoulder portion and having an operating portion extending outwardly from said casing for the movement of said engaging portion, said engaging portion being movable in a direction longitudinally of said axis to press against said shoulder portion, pressure of said engaging portion against said shoulder portion moving said one of said clutch members into clutching engagement with the said other of said clutch members and the interengagement of said engaging portion and shoulder portion providing a frictional braking action dependent upon the degree of said pressure, the clutching engagement of said clutch members operatively connecting said spool and driving means through said sleeve members, clutch members and gear member and said braking action providing for resistance to rotation of said spool non-rotatively engaged to said sleeve members, said clutching engagement and braking action being controlled by operation of said operating portion of said actuating member.

2,624,524

FISHING REEL

Gordon F. Laing, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Original application February 4, 1946, Serial No. 645,334, now Patent No. 2,572,496, dated October 23, 1951. Divided and this application June 24, 1950, Serial No. 170,139
1 Claim. (Cl. 242-84.6)

In a fishing reel, a frame, a spool rotatably mounted in said frame, click and brake mecha-

nism associated with said spool and mounted on said frame, an end cap secured to said frame, said end cap having a semicircular recess on the outside, a knob rotatably mounted in said recess by a shaft extending through said end cap, the end of said knob being substantially flush with



the outer surface of said end cap and the periphery of said knob being substantially flush with the periphery of said end cap, and means comprising two cams mounted on said shaft inside said end cap and operated by said knob for operating said click mechanism and said brake mechanism, respectively.

2,624,525

TEXTILE BOBBIN

Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, a corporation of South Carolina
Application December 29, 1948, Serial No. 67,809
3 Claims. (Cl. 242-122)



1. A textile bobbin comprising a cylindrical barrel, a frusto-conical head secured on said barrel adjacent an end thereof, said head having a cylindrical aperture closely fitting the outer surface of said barrel, and a continuous coating of discrete fibers adhesively secured on said head and on said barrel over a circumferential portion of said barrel extending slightly beyond said head, whereby a continuous yarn supporting surface conforming to the shape of said head and barrel portion is presented by said fiber coating at the joint between said head and barrel and said fiber coating serves to condition said head for retaining yarn windings thereon against slippage and merges superficially with said barrel beyond said head.

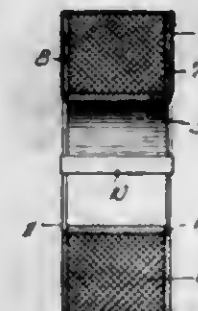
2,624,526

WIRE PACKAGE

Frank A. Green, Illip, N. Y., assignor to Chicago Steel and Wire Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1951, Serial No. 207,477
5 Claims. (Cl. 242-124)

4. In combination a permanent type reel having a removable non-compressible side flange which may be tightened toward an opposite non-

compressible side flange and a package of wire mounted on said reel and comprising a hollow core adapted to slip over the hub of said reel, two separate side flanges formed of a compressible material having center openings of slightly greater diameter than the outer diameter of said hollow core so as to allow said compressible side flanges to fit over said hollow core, coils of wire wound on said hollow core and filling the space between said compressible side flanges, and a plurality of ties looped through said hollow core

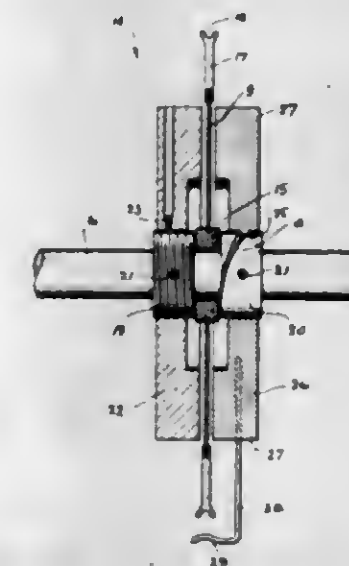


and drawn taut around said compressible side flanges and said coils of wire, the total thicknesses of said coils of wire and of said compressible side flanges being greater than the length of said hollow core so that there is a substantial longitudinal clearance between the opposite ends of said hollow core and the outer faces of said compressible side flanges, said clearance permitting said compressible side flanges to be compressed between the non-compressible side flanges of said reel by tightening said removable side flange and said compressible side flanges being so compressed.

2,624,527

THREAD TENSIONING DEVICE

Ralph S. Von Kohorn, New York, N. Y.
Application June 22, 1950, Serial No. 169,710
1 Claim. (Cl. 242-155)

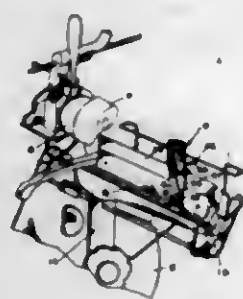


A thread tensioning mechanism comprising an axle, a disc-shaped member rotatably mounted on said axle and having an electrical conducting portion and an annular thread engaging portion, a collar disposed on said axle and having a helical groove formed therein, a permanent magnet rotatably mounted on said collar and having a detent engaging said helical groove, said magnet having its polar faces confronting a face of said disc-shaped member and an elongated arm radially extending from said magnet and terminating in a thread engaging portion.

2,624,528

THREAD GUIDE

William T. Stearn, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
Application July 27, 1949, Serial No. 107,053
5 Claims. (Cl. 242-157)

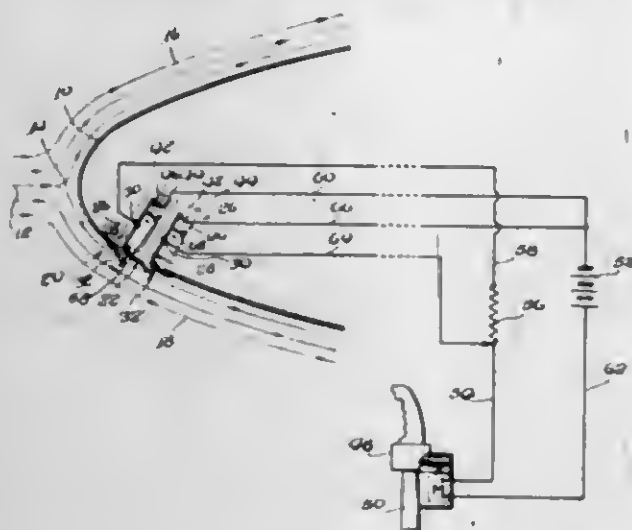


1. In a winding mechanism adapted to wind thread into package form, including a traverse frame assembly having a reciprocating bar, a guide for controlling the winding of the thread onto the package, said guide comprising a unitary bar bent upon itself to form a curved upper extremity and having an elongated slot therein between the longitudinal edges thereof, a plate attached to the extremities of said bar, a hook on said plate for holding and supporting said guide on said traverse frame assembly and a foot on said plate whereby the guide is carried by said reciprocating bar.

2,624,529

AIRPLANE INSTRUMENT

Leonard M. Greene, Scarsdale, N. Y.
Application April 28, 1951, Serial No. 223,595
20 Claims. (Cl. 244-1)

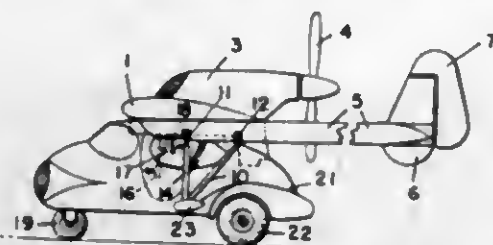


1. In combination, an airfoil having a separation point which shifts over the nose thereof as the angle of attack of the airfoil varies, a first movable vane, a second movable vane, a first switch controlled by the first vane, a second switch controlled by the second vane, said vanes being disposed for actuation by change of pressure consequent upon movement of the separation point, the first vane being disposed for such actuation on the approach of said point to stall conditions and the second vane being disposed for such actuation slightly before the first vane is actuated, whereby when the second switch is actuated and the first switch is unactuated the airfoil will be at a maximum safe angle of attack.

2,624,530

VEHICLE COMPRISING AN AUTO-AIRPLANE COMBINATION

Jozef Hendrik Hanssen, Heerlen, Netherlands
Application January 7, 1946, Serial No. 639,541
In the Netherlands September 6, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires September 6, 1960
5 Claims. (Cl. 244-2)

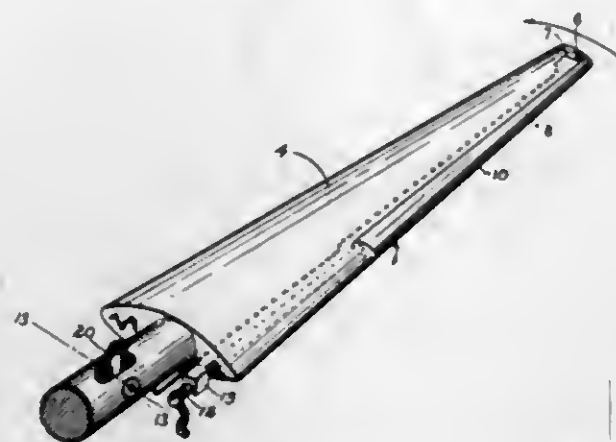


5. In a composite road and air vehicle, a wheeled main body portion, a wing and fuselage subassembly detachable therefrom, and means for supporting said sub-assembly comprising strut members movably secured to said sub-assembly, said strut members being of such length and so placed that in one position thereof they extend downwardly to a plane as low as the bottoms of the wheels of said main body portion and support the wing of said sub-assembly in straddling relation to said body portion, and in a second position thereof they extend inwardly to said main body portion in upwardly spaced relation to said plane, and means for securing said strut members to said body portion in said second position.

2,624,531

STABILIZING MECHANISM FOR ROTARY WING AIRCRAFT

Edward A. Stalker, Bay City, Mich.
Application October 18, 1946, Serial No. 704,167
3 Claims. (Cl. 244-17.13)



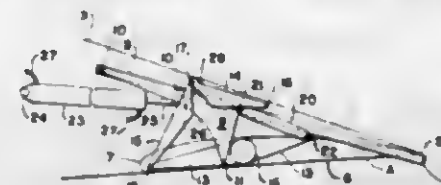
1. In combination in a direct lift aircraft, an aircraft body, a rotor hub mounted on said body and rotatable about a generally vertical axis, a pair of opposed blades mounted on said hub, means for varying the lift of each of said blades, a detector element mounted on each of said blades, said element being spaced from said axis and responsive to relative wind velocity chordwise of the respective blades, mechanism interconnecting said lift varying means and said detector elements for actuating said lift varying means in response to instantaneous differences of relative wind velocity at said elements, said mechanism including a switching device actuated by rotation of said hub and arranged to render said detector elements effective when either of said blades occupies a predetermined

orbital position with respect to said body and to render said elements ineffective for all other orbital blade positions.

2,624,532

AIRCRAFT WING FLAP

Van B. Butler, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application September 7, 1949, Serial No. 114,338
16 Claims. (Cl. 244-42)

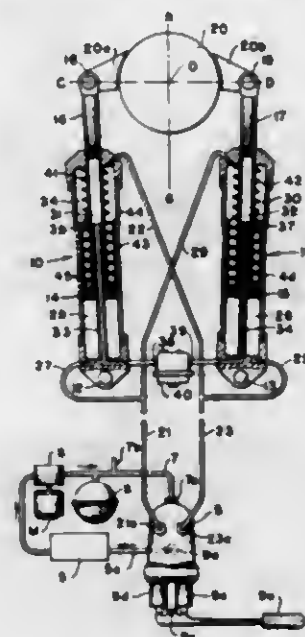


1. In a flap mounting arrangement, a relatively fixed wing, a carriage slidably mounted upon said wing, for movement in a chordwise direction, a movable trailing edge flap, means pivotally supporting said flap from said slidable carriage, means including a resilient strut element having terminal portions pivotally interconnecting said flap with said carriage arranged for raising the nose portion of said flap about said flap support pivot means and a foldable linkage having terminal portions pivotally interconnecting said wing with said flap for holding said flap nose portion down in its retracted and partially extended positions.

2,624,533

HYDRAULIC STEERING SYSTEM

Stanley F. Brader, Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation, a corporation of Maryland
Application May 5, 1950, Serial No. 160,296
12 Claims. (Cl. 244-50)

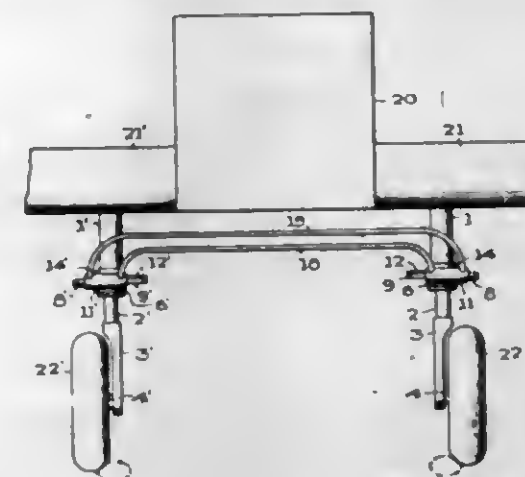


1. In a hydraulic steering system for aircraft, a ground-engaging member, a pair of hydraulic motors connected to said ground-engaging member for steering movements thereof, each said motor including a tubular piston rod a source of fluid pressure, control valve means for directing said fluid pressure to either end of each of said hydraulic motors for extension of one and retraction of the other motor, and damping means including a piston telescopic within the piston in each said hydraulic motor for damping oscillations to which said ground-engaging element may be subjected.

2,624,534

AIRPLANE CROSS-WIND UNDERCARRIAGE

John Harlin Geisse, Madison, Wis.
Application January 26, 1948, Serial No. 4,228
3 Claims. (Cl. 244-103)

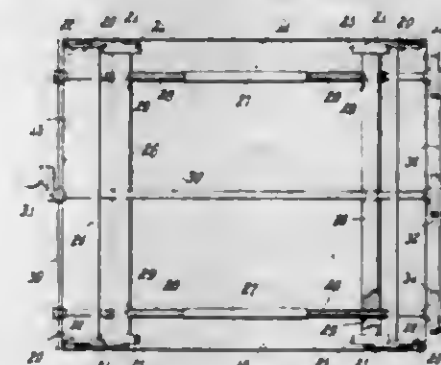


3. A cross wind undercarriage for airplanes including laterally spaced casters main wheels mounted on forwardly and downwardly inclined caster spindles spaced laterally therefrom causing one of said wheels to raise the center of gravity of the airplane when it casters clockwise and to lower the center of gravity when it casters anti-clockwise and causing the other of said wheels to lower the center of gravity when it casters clockwise and to raise it when it casters anti-clockwise, and linkage between said wheels constraining the first mentioned wheel to caster through a greater arc than does the second mentioned wheel when they caster clockwise and through a lesser arc when they caster anti-clockwise.

2,624,535

ELEVATING PLATFORM FOR TYPEWRITERS

Franz W. Bollhoefer, Hammond, Ind.
Application August 20, 1947, Serial No. 769,704
2 Claims. (Cl. 248-23)



1. An adjustable carriage comprising a rectangular base adapted to be placed upon a support, a rectangular platform superposed over said base, two pairs of X-shaped link structures each having upper and lower extensions, the link structures each connecting a corner of the platform to a related corner of the base, a pair of screw-threaded rods journaled in said base, the links of each pair having one of their lower extensions threaded on one of said rods, one upper extension of each link structure being connected to said platform with the other of said upper extensions being free to slide along said platform, and single means operable to rotate the screw-threaded rods in unison to move the extensions and thereby adjust the relative positions of the links to carry the platform toward and away from the base.

2,624,536

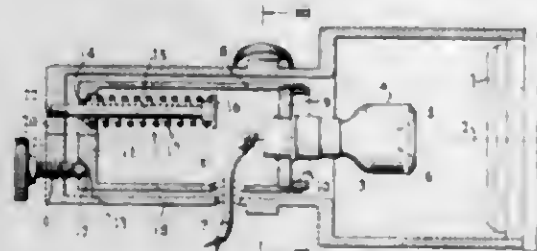
ROD HOLDER

Martin O. Herzog, Fort Hood, Tex.

Application November 7, 1950, Serial No. 194,436
3 Claims. (Cl. 248-42)

3. A fishing rod holder of the character described comprising a main body portion, a screw clamp on said main body portion adapted to secure said main body portion to a support, an inclined arm on said main body portion, a rod member threadably engaged in said arm for longitudinal adjustment along the axis of said arm, a lock nut threaded on said rod member and being lockingly engageable with the end of said arm, an upstanding transverse fork on the end of said rod member extending normal to the axis of said arm and adapted to receive the shank of a fishing rod, an upstanding transverse ring on the end of said arm opposite said rod member extending transverse to said axis and being adapted to receive the handle of a fishing rod, and a ring member integrally formed in the intermediate portion of said arm including said axis and being normal to the plane of said fork, said last named ring member being adapted to receive the depending finger grip of a fishing rod to hold said fishing rod against rotation.

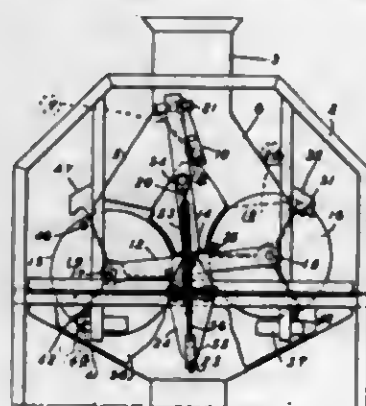
2,624,537

POSITIONING DEVICEAuguste Louis Marie Antoine Rouy,
New York, N. Y.Application January 10, 1948, Serial No. 1,576
4 Claims. (Cl. 248-180)

1. A positioning device, including, in combination, an elongated hollow body formed with one end wall also formed with a pivot point in the outer face of the end wall and also formed with an orifice through the end wall spaced from the pivot point, means for supporting an object to be adjusted at the end opposite the end wall, a threaded longitudinal adjusting screw formed with a pivot end contacting the pivot point on the elongated body, a fixed body surrounding the elongated hollow body and formed with a screw threaded orifice to receive the adjusting screw and formed with two screw threaded orifices spaced apart 90° circumferentially of the elongated body and symmetrically about a plane passed longitudinally through the axis of the elongated body and through the pivot point and said two orifices further positioned in a trans-

verse horizontal plane adjacent the object supporting end of the elongated body, threaded adjusting screws, one in each of the two spaced orifices, said screws in the spaced orifices having arcuate free ends and flats at a right angle to the axes of the screws formed on the elongated body for contact with the ends of the screws, a rod attached to the fixed body and passing through the first mentioned orifice and provided with a head, a coiled spring interposed between the said head and the inner face of the end wall of the elongated body.

2,624,538

AUTOMATIC LOT WEIGHING MACHINEJacob N. Schrock, Clyde E. Watson, and Harold Watson, Phoenix, Ariz.; said Harold Watson assignor to Fred Irion, Maricopa County, Ariz.
Application February 23, 1950, Serial No. 145,712
3 Claims. (Cl. 249-12)

1. In a lot weighing mechanism having a tiltable weighing beam structure with lot receiving wheels at each end tiltable pivoted in a frame: means for gauging amounts to be weighed, as received by said wheels, including a trough shaped beam paralleling and attached to said weighing beam having stops at each end, a ball of predetermined weight positioned in said trough and arranged to roll from end to end in said trough according to the tilt of said beam, an arm extending upward at right angles from the center of said weighing beam, a spring attached at its upper end to the upper central portion of said arm and at its lower end to a portion of said frame directly below the axis of said pivot, and screw means operative between the lower end of said spring and said frame for adjusting the tension of said spring.

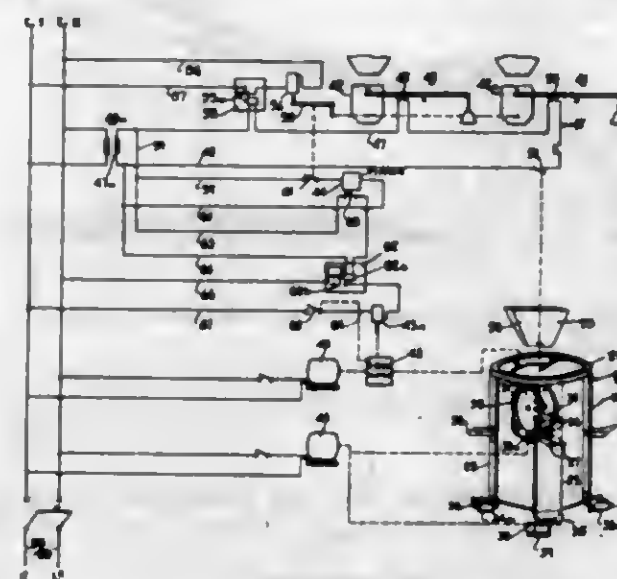
2,624,539

APPARATUS FOR FILLING VALVE BAGS AND CONTROL MEANS THEREFORCarl H. Hartman, New Rochelle, and William R. Peterson and Donald D. Griswold, Oswego, N. Y., assignors to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application March 6, 1948, Serial No. 13,364
12 Claims. (Cl. 249-18)

11. In apparatus of the class described, the combination with a valve bag packer having a discharge throat of: a member mounted for movement relative to said packer; a plurality of valve bag filling tubes mounted upon said member, each tube being shiftable successively in response to movement of said member, from a bag applying station, to a bag filling station, and thence to a bag discharge station; each tube, when in the bag filling station, being in register with the discharge throat of the packer; a scale mechanism for weighing successive charges of material for said packer; mechanism for dumping a weighed

charge of material from said scale mechanism into said packer in response to the movement of a filling tube into said bag filling station and in response to weighing movement of said mechanism; power mechanism for shifting said member

slightly less than the diameter of the lands, the said portion being joined to each land by a pair of beveled surfaces, angular movement of one of said members relative the other varying the presentation of the beveled surfaces to the ports, and means for angularly positioning the stem member relative to the sleeve member.



through a preselected interval; and a timer actuable by said scale dumping mechanism and operatively connected to said power mechanism for actuating the latter a predetermined time interval after the dumping of each charge into said packer.

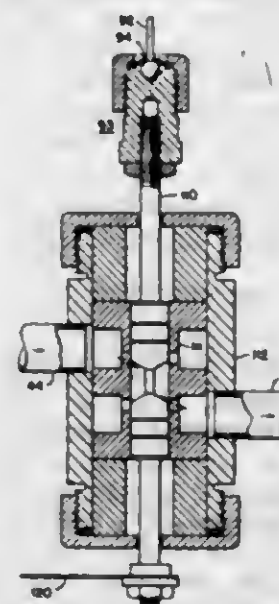
2,624,540

TOOL CONTROLLING FLUID VALVE

Clarence Johnson, Orfordville, Wis., assignor to Bailey Meter Company, a corporation of Delaware

Original application March 2, 1944, Serial No. 524,707, now Patent No. 2,475,326, dated July 5, 1949. Divided and this application September 3, 1948, Serial No. 47,615

5 Claims. (Cl. 251-4)

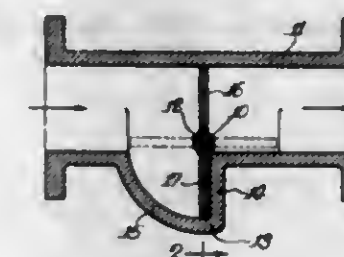


1. In a hydraulic flow control valve, the combination comprising a housing, a sleeve member mounted to said housing and provided with longitudinally spaced fluid ports, a reciprocable fluid resistance stem member axially positioned within said sleeve member, said stem member being of generally cylindrical shape having lands spaced to cooperate with said ports, the portion of the stem member between said lands being reduced to form a central relatively thin rectangular cross-section the width of which is

2,624,541

BUTTERFLY VALVE

Herbert Ziebold, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

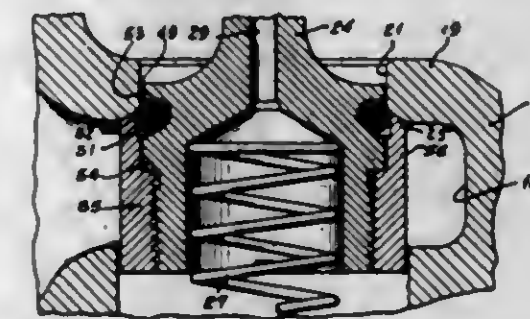
Application November 29, 1946, Serial No. 712,751
8 Claims. (Cl. 251-11)

4. A pivoted vane type valve comprising a housing having only one inlet opening thereto and one outlet opening thereto with said inlet and outlet being axially aligned, a symmetrical vane mounted within said housing, a rockable shaft journaled in said housing and having said vane mounted thereon for pivotal movement about the axis of said shaft, said vane having one portion thereof on one side of said shaft disposed for movement primarily within the path of fluid flow from said inlet to said outlet, the other portion of said vane on the other side of said shaft being positioned for movement primarily out of said flow path from said inlet to said outlet, said housing having a portion on the upstream side of the vane with a shape generally described by the periphery of said other portion of the vane in moving from fully closed to fully open position, and said shaft being positioned on the side of said path of direct flow from said inlet to said outlet adjacent said portion of the housing whereby the fluid pressure on said vane as a whole produces a torque which is substantially in balance about said shaft when said vane is positioned as specified.

2,624,542

VALVE CONSTRUCTION

Edwin I. Ghormley, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application November 5, 1948, Serial No. 58,450
4 Claims. (Cl. 251-27)

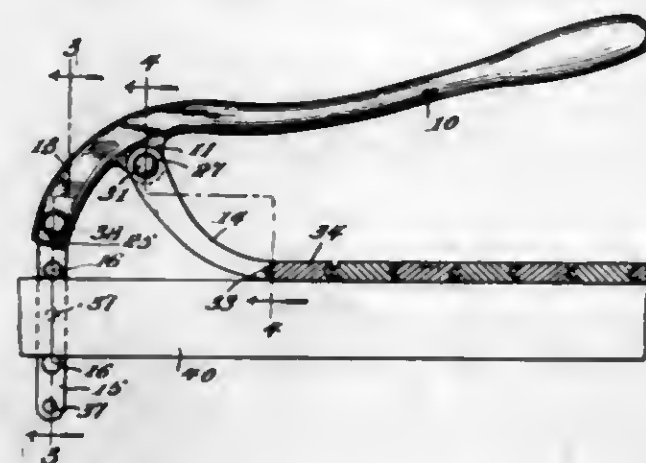
1. A valve arranged to move to a closed position upon an annular seat, including a cylindrical body concentrically disposed with respect to said

seat and of a diameter to be received in said seat, a peripheral groove in said body undercut at one end thereof to define an overhanging lip, a resilient O-ring seal in said groove and protruding therefrom to be received in said seat with a lateral contact thereof, and a sleeve mounted on said body to overlie a portion of said groove and to abut said seat, said sleeve and the overhanging lip of said groove acting to confine said seal in said groove against the effects of fluid pressure.

2,624,543 LIFTING DEVICE

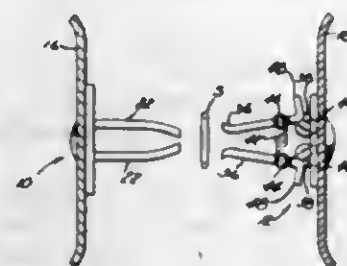
Alexis Eugene Jackson, Norwalk, Conn., assignor, by mesne assignments, to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware

Application January 26, 1950, Serial No. 140,739
13 Claims. (Cl. 254—8)



pivotaly mounted on the lug extended from the inner surface of the said arcuate end of the handle.

2,624,545
STAPLE REMOVER
William G. Pankonin, Chicago, Ill.
Application September 2, 1949, Serial No. 113,849
10 Claims. (Cl. 254—28)



1. A staple remover having cooperable jaws for removing staples upon relative movement of said jaws toward each other, one of said jaws having spaced teeth provided with upwardly sloping camming surfaces and mounted on resilient arms connected by a bridge and the other of said jaws having a narrow inner end insertible between said spaced teeth and sides sloping outwardly from said narrow inner end.

2,624,546
LIFT MECHANISM
Fred C. Haumerson, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application March 27, 1947, Serial No. 737,609
16 Claims. (Cl. 254—144)

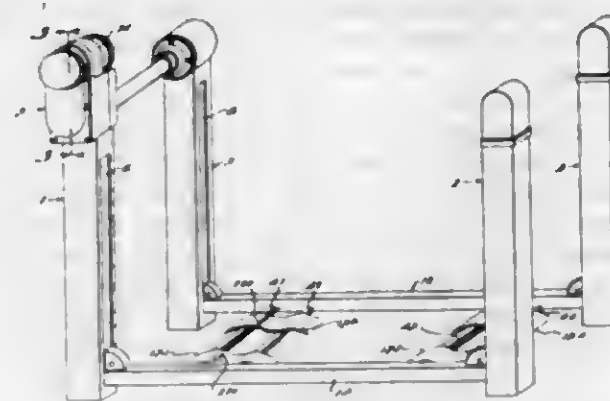
1. In a lift of the character described, cable lifting means including a generally U-shaped cable-sling portion, said sling portion including two upright legs and a substantially horizontal transverse bight portion integral with said legs, a lifting frame slung in the bight portion, means for shortening and lengthening the sling portion to raise and lower the bight portion and the frame carried thereby, including winch means for taking up and paying out the cable constituting one of the legs of the sling, and stabilizing means including a portion drivable with said winch and at a fixed speed ratio with respect thereto and having a reversible drive connection with said winch means whereby the winch means is also

2,624,544
COMBINATION CARPENTER'S TOOL
Early L. Graham, Henderson, Tex.
Application May 19, 1950, Serial No. 163,063
1 Claim. (Cl. 254—15)

In a combination tool, the combination which comprises an elongated handle having an arcuate end with a longitudinally disposed slot extended through the tip of the arcuate end and with a lug extended from the inner surface of the arcuate end and spaced from the tip thereof, a bar having openings therethrough pivotally mounted in the slot in the tip of the arcuate end of the handle and extended therefrom, spaced knurled cylindrical elements having threaded studs on the ends thereof positioned in the openings of the bar, lock nuts on the threads of the knurled

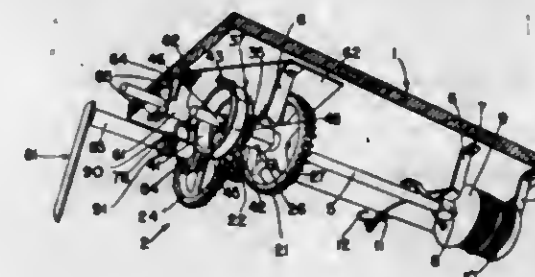
cylindrical elements for securing the elements on the bar, and an arcuate gripping jaw having a transversely positioned slot in the end thereof

drivable by the stabilizing means, said stabilizing means being connected to an end portion of said let means for the tube adjacent the normally uppermost end thereof, said head surrounding



frame to maintain the same in a desired position with respect to the cable and prevent unwanted tilting of said frame.

2,624,547
WINCH FOR TRAILERS
Claude W. Walz, Rock Island, and James H. Clark, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 30, 1945, Serial No. 607,856
7 Claims. (Cl. 254—187)

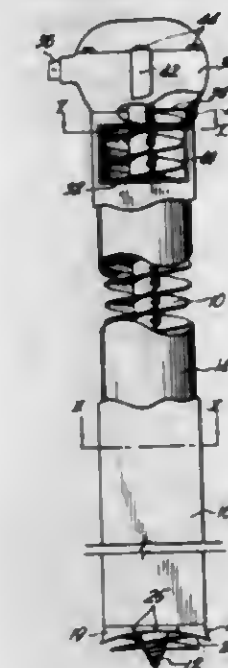


1. A winch construction comprising a reel shaft having a reel thereon a pinion rotatably mounted on said reel shaft, a ratchet wheel fixed to said pinion, a brake drum fixed to said pinion, a pawl for controlling movement of said ratchet, a brake for controlling movement of said brake drum, gearing for driving said reel shaft from said pinion, crank-receiving means carried by said pinion, a common member for controlling said pawl and brake, crank-receiving means on said member, and a detachable crank adapted to be connected with either of said crank-receiving means for optionally rotating said pinion to drive said reel shaft and reel thereon to operate said cable or operating said brake and ratchet means for controlling the lowering of the load connected with said reel.

2,624,548
EXCAVATOR HAVING MEANS FOR FORMING POLYGONAL HOLES
Harry G. Cochrane, Ottawa, and Sam W. Kirby, Larned, Kans.
Application September 5, 1950, Serial No. 183,254
3 Claims. (Cl. 255—21)

1. An excavator comprising an elongated shell, said shell being polygonal in cross section, interiorly and exteriorly; a polygonal cutter head in the shell at the normally lowermost end thereof, said head having an outwardly curved cutting plate adjacent the normally lowermost end of each wall of the shell respectively; a cylindrical, open bottom tube in said shell and substantially coextensive in length therewith; an auger rotatably mounted in the tube; and out-

666 O. G.—14



the tube and joining the tube and the shell whereby to close the lowermost end of the shell.

2,624,549
METHOD AND MEANS OF ROTARY DRILLING
Oakie G. Wallace, Oklahoma City, Okla.
Application March 24, 1947, Serial No. 738,834
3 Claims. (Cl. 255—28)

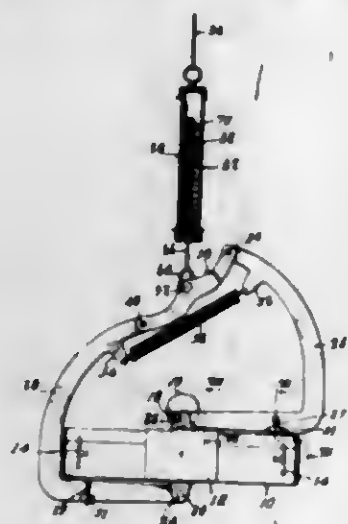


1. In an apparatus for controlling the weight carried on a drill bit during the drilling of an oil well and comprising telescoping members interposed in the drill string and related for longitudinal movement therebetween, said members including a cylinder having a plurality of male spline members thereon, a flange member disposed on the cylinder and adapted to be connected with the lower drill string, an unsplined portion on the cylinder between the male splines and the flange of smaller diameter than the splined portion, a tubular housing adapted to telescope over the cylinder, a drive collar connected with the housing, a tool joint for connecting the housing with the upper drill string, and female splines on the drive collar adapted to cooperate with the male splines in one position of the telescoping members to cause rotation of both the upper and lower drill strings.

2,624,550

TURN-OVER HANGER FOR TONGS

Chester A. Lundeen, Los Angeles, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application December 30, 1947, Serial No. 794,743
16 Claims. (Cl. 255-35)



1. A turn-over tong hanger comprising: a horizontally pivoted supporting rocker element adapted to be suspended in a well derrick; means for pivotally suspending said rocker intermediate its ends; and tong supporting arms pivotally suspended from said rocker element on either side of said means, one of said arms having a pivot element for connection to the upper face of a tong and the other arm having a pivot element for connection to the lower face of said tong, said arms being adapted to continuously support said tong and to reverse their relative positions with respect to said tong upon rocking movement of said rocker, pivotal movement of said arms and longitudinal rotation of said tong.

2,624,551

UNDERREAMING ATTACHMENT FOR TRACTORS

Ewell M. Garner, Dallas, Tex.
Application August 14, 1950, Serial No. 179,324
5 Claims. (Cl. 255-76)



5. In a tool for underreaming earth holes, a barrel shaped to enter the hole and having oppositely disposed side slots; a shaft for rotating said barrel; a sleeve slidably disposed on said shaft; reamers arranged to work through said

side slots; oppositely disposed angle members, one being affixed in said barrel parallel with one side of each of said side slots and defining mountings for said reamers against which the latter bear in operation of said tool; a mechanical linkage connecting said reamers and said sleeve for moving said reamers through said side slots upon vertical movement of said sleeve along said shaft; a second sleeve disposed about said shaft above said first mentioned sleeve; means connecting said sleeves for simultaneous vertical movement, said means allowing rotation of said first mentioned sleeve about a vertical axis while said second sleeve is stationary; and means for imparting vertical movement to said second sleeve.

2,624,552

HEAT EXCHANGER

Ernest A. Rose, New Orleans, La., assignor to E. A. Rose, Inc., New Orleans, La., a corporation of Louisiana
Application April 27, 1950, Serial No. 158,484
9 Claims. (Cl. 257-80)



1. Heat exchange apparatus comprising, a stationary receptacle, a hollow rotary drum journaled in said receptacle, means for continuously rotating said drum, fluid conduit means delivering a heat transfer fluid to the interior of said drum, means maintaining a preselected fluid level in said drum, and a plurality of hollow fluid circulating elements radially disposed on said drum for rotation therewith, said elements having feed duct means opening therein remotely from said drum for progressively admitting fluid thereto from said drum to fill said elements during the descending quarter cycle of rotation below said fluid level, said feed duct means including partition means in said elements retaining the fluid in said elements during the ascending half cycle of rotation of said elements, and said feed duct means discharging the fluid from said element during the descending quarter cycle of rotation of the leading edge thereof into alignment with the fluid level in said drum.

2,624,553

HEATING SYSTEM FOR TANKS

Rea W. Thompson, Gary, Ind., and Arthur H. Graham, Sharon, Pa., assignors to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application January 21, 1948, Serial No. 3,434
6 Claims. (Cl. 257-198)

1. A heating system for a tank having a horizontally disposed cylindrical shell comprising: a hot plate disposed in the bottom of the tank and extending from end to end thereof, said hot plate having a channel centered on the longitudinal median line of the tank and sloping from high points at the ends of the tank to a low point at the center thereof, a labyrinth between said hot plate and the bottom of the shell on each side of the longitudinal median line of the shell, heating coils extending from end to end of the shell and

disposed in juxtaposition to the sides of said shell and above said hot plate, inlet connections at the upper ends of said coils, connections between the lower ends of said coils and said labyrinths, and outlet connections leading from

from the cut-out edge portions and adapted to lie against the side portions of a tube on moving the plate sections together, a connecting strap pivotally connected at its opposite ends to the plate sections at corresponding adjacent ends thereof

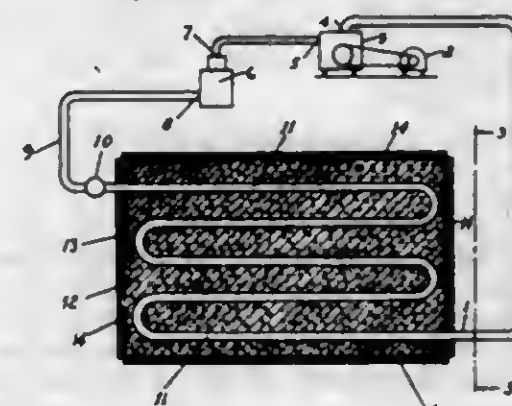


said labyrinths out of the tank to permit a heating medium to pass through said coils and labyrinths thereby to heat said hot plate and the contents of the tank to facilitate draining the contents from the tank.

2,624,554

EVAPORATOR STRUCTURE

Willard L. Morrison, Lake Forest, Ill.
Application April 6, 1949, Serial No. 85,887
1 Claim. (Cl. 257-255)



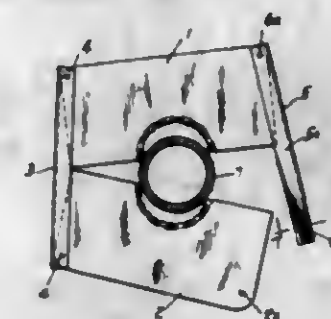
In combination, an evaporator coil, a concrete block cast thereabout and in which the coil is embedded, a metallic foil coating entirely enclosing the block except where the ends of the coil protrude therefrom, the edges of the foil being joined together to make an air tight cover for the block, the air pressure within the block beneath the foil being less than the ambient pressure, the coating being of such thickness and strength that the differential air pressure forces the foil to snugly engage, adhere to and conform minutely with the surface contour of the block.

2,624,555

CLAMP-ON RADIATION FIN

Casey Di Vincenzo, East Cleveland, Ohio
Application March 17, 1950, Serial No. 150,175
2 Claims. (Cl. 257-262.16)

1. A fin unit for tube radiation purposes, comprising normally connected complementary plate sections of relatively large area disposed in the same plane to form a plate-like fin body and having adjacent cut-out edge portions to fit against opposite portions of a tube to which the unit may be applied, said sections being formed with lateral conduction projections offstanding

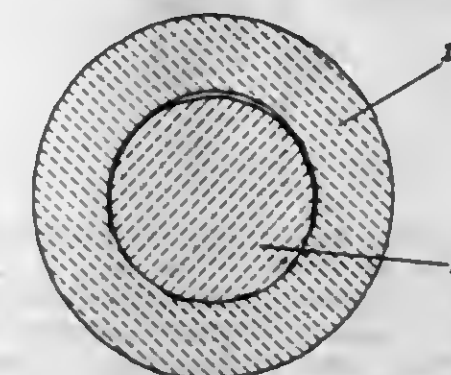


to normally connect the sections together, and locking means to lock together the opposite corresponding ends of the said sections comprising a connecting strap pivotally attached to one of the sections and having interlocking connection with the other of the sections.

2,624,556

HEAT EXCHANGE PEBBLE

Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 2, 1950, Serial No. 198,921
8 Claims. (Cl. 257-263)



1. A heat exchange pebble consisting of an outer shell which is approximately spherical and is hollow, and an approximate sphere within said shell, each of the outer shell and the sphere within being made of refractory ceramic material the melting point of which is at least 1500° C., there being a clearance between the outer shell and the sphere within which on the average on the radius is between .002 inch and .020 inch.

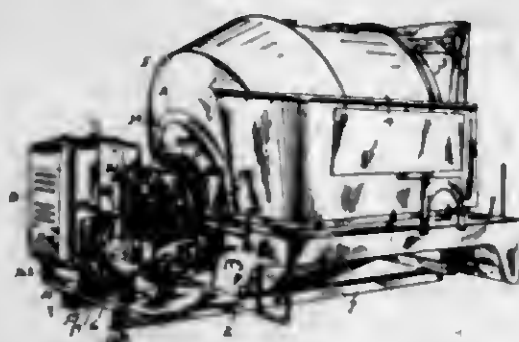
2,624,557

POWER DRIVE ARRANGEMENT FOR CONCRETE MIXERS

Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application October 17, 1951, Serial No. 251,761
14 Claims. (Cl. 259-168)

1. In a support and drive arrangement for the mixing drum of a concrete mixer, a frame, a power driven primary transmission mounted on said frame, and a mixing drum supporting and driving secondary transmission mounted on said frame adjacent to said primary transmission in angular relation with respect thereto, said secondary transmission including a housing having spaced supporting leg members extended in front

of said primary transmission, and said primary transmission being positioned in front of said



housing between the supporting leg members thereof.

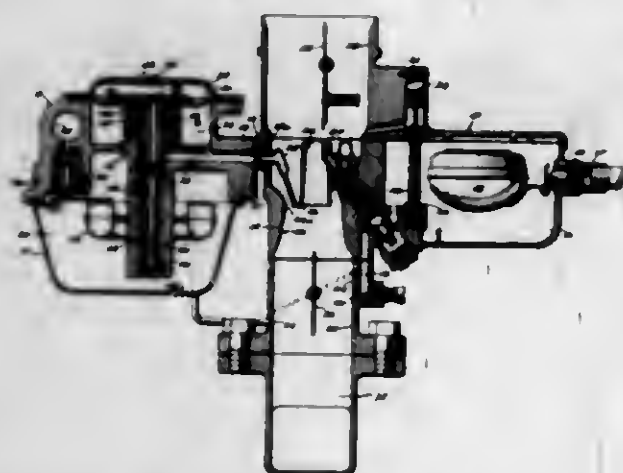
2,624,558

SUPPLEMENTARY FUEL FEED DEVICE

David E. Anderson, Shaker Heights, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application October 27, 1948, Serial No. 56,791

1 Claim. (Cl. 261-18)



In a carburetor including a hollow throttle body adapted to be secured at one end to an intake manifold of an internal combustion engine, a butterfly throttle valve disposed in said throttle body, a main Venturi block having one end thereof secured to the other end of said throttle body and having a flow passage therethrough, said main Venturi block having a main Venturi portion projecting inwardly in said passage and extending from a point intermediate said one end and the other end thereof to a point adjacent said one end thereof, said main Venturi portion having an intermediate restricted throat, an auxiliary Venturi block supported within said main Venturi block and having a terminal outlet and adjacent said throat portion, and a main fuel jet projecting into said auxiliary Venturi block, said main Venturi block having a transverse opening between said other end thereof and said intermediate point and an outer flat-faced mounting pad around said opening, a generally L-shaped supplementary fuel nozzle having one leg journaled in said opening with the terminal end of the other leg disposed intermediate said terminal outlet end of said auxiliary venturi and said throat portion, a supplementary fuel feed device mounted on said pad and having a fuel chamber and a flow passage communicating with said chamber and said transverse opening, valve means in said passage, a diaphragm controlling said valve means, and a conduit extending from said throttle body intermediate said one end and said butterfly valve to said supplementary fuel feed device for subjecting said diaphragm to intake manifold pressure.

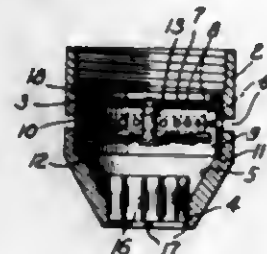
2,624,559

AERATING NOZZLE

Robert W. Hyde, Cincinnati, Ohio, assignor to The Schaible Company, Cincinnati, Ohio, a corporation of Ohio

Application June 13, 1951, Serial No. 231,410

5 Claims. (Cl. 261-25)



1. An aerating nozzle for faucets, shower heads and the like comprising a body having a cylindrical bore in the upper portion thereof, a cylindrical bore in the lower end portion of smaller diameter than the upper portion and an inverted frusto-conic surface connecting said bores, the upper cylindrical bore portion having air intake openings in the wall thereof, a perforated disk within and extending across the upper cylindrical bore at a location above said intake openings, the joint between the periphery of said disk and the bore wall being sealed against leakage, a shaft secured to the center of said disk and extending downwardly therefrom, and a bladed impeller rotatably mounted on said shaft, the impeller being located below and adjacent the bottom of said intake openings, said impeller being driven by jets of water issuing from the perforations in the disk, thereby drawing air through said intake openings into said nozzle body, the air mixing with the water flowing through the nozzle.

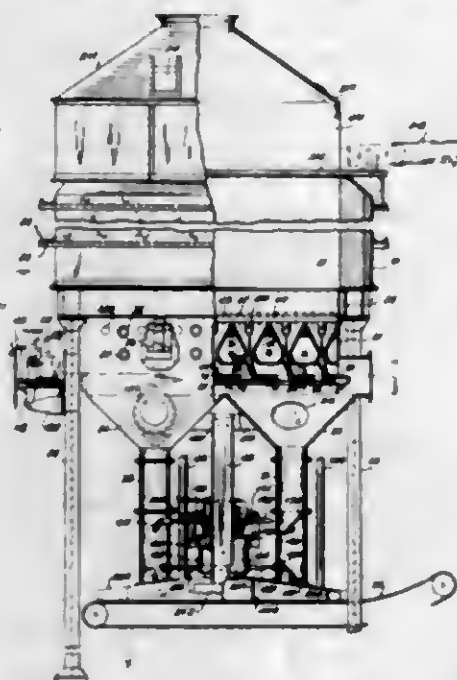
2,624,560

SHAFT FURNACE

John J. Craig, University Heights, Joseph E. Dunasky, Cleveland, Milton F. Morgan, Shaker Heights, and Adolph Louis Foell, Cleveland Heights, Ohio, assignors to Arthur G. McKee & Company, Cleveland, Ohio, a corporation of Delaware

Application January 18, 1949, Serial No. 71,512

11 Claims. (Cl. 263-29)



1. A grate construction for a shaft furnace comprising a plurality of spaced substantially parallel grate bars extending transversely of the

shaft of said furnace adjacent the bottom thereof, means connected with each of said grate bars and slidably extending through corresponding openings in the shell of said furnace, sealing means surrounding a portion of said means adjacent the shell of the furnace to prevent the escape of gas thereabout, the said sealing means being so constructed and arranged as to allow at least limited longitudinal movement of the said means extending therethrough, and means for applying longitudinally directed forces to the said extending means to vibrate the latter and the attached grate bars.

2,624,561

HEAT-TREATING FURNACE

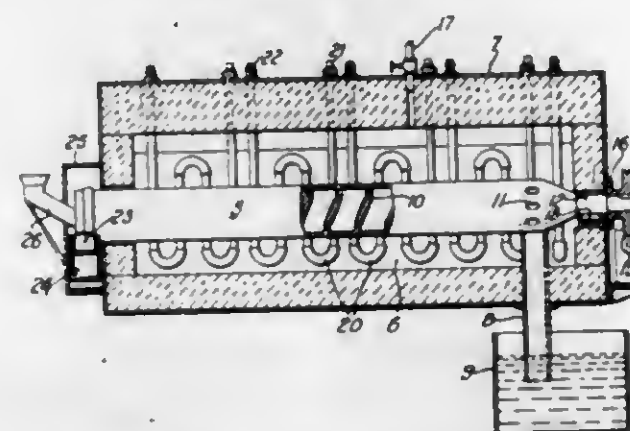
Henry M. Heyn, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio

Continuation of application Serial No. 644,460,

January 31, 1946. This application September

20, 1949, Serial No. 116,776

2 Claims. (Cl. 263-34)



1. In a furnace for heat treating relatively small size articles in a controlled atmosphere, in combination, wall means including front and rear end walls defining a substantially gas tight heating chamber for said articles and wherein a plenum of said atmosphere can be maintained, internally heated radiant tubes in said chamber for producing heat therein, a horizontally disposed rotary tube wherein said articles are supported and advanced during heat treatment and having its discharge end within said chamber adjacent the said rear end wall of the latter, the said front end wall of said chamber having an aperture through which the charging end of said rotary tube projects out of said chamber, wall means projecting from the exterior side of said front end wall to define about the projecting end of said rotary tube a housing which is in communication with said chamber through said aperture so that gas in said chamber is free to enter said housing, means for conducting said articles to the charge end of said rotary tube comprising a tubular member wherethrough said articles may be moved, said tubular member extending into said housing with its discharge end in sufficiently close proximity to the charge end of said rotary tube for the articles to be received by the latter, and said tubular member constituting a passage through which a stream of gas in said housing may pass to the outside atmosphere.

2,624,562

LIME BURNING APPARATUS AND METHOD

Theron C. Tayler, Detroit, Mich.

Application January 31, 1949, Serial No. 73,684

5 Claims. (Cl. 263-53)

3. A method of flame propagation adapted to produce combustion over a relatively long portion

of a kiln, which comprises propelling an inner fluid jet into a kiln in a direction substantially parallel with the walls thereof at a high velocity, said inner fluid jet being enveloped with an outer fluid jet having a velocity substantially less than that of said inner fluid jet, said inner fluid jet



consisting of a mixture of a combustible fluid, hot inert gases and air in an amount insufficient for complete combustion, said outer jet consisting of a mixture of inert gases and air in an amount sufficient to cause said inner jet to burn progressively along said kiln as the relative velocities of the inner and outer jets intermix the said jets.

2,624,563

WEIGHING APPARATUS

James Last, Letchworth, England

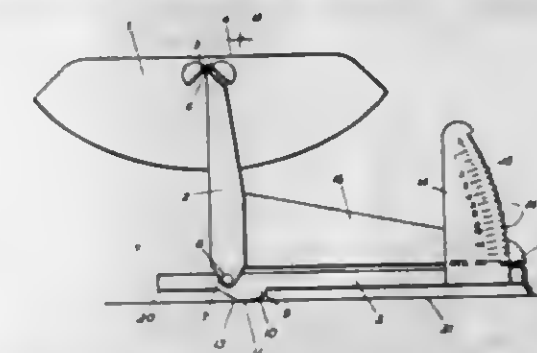
Application June 7, 1947, Serial No. 753,263

In Great Britain November 1, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires November 1, 1964

6 Claims. (Cl. 265-27)



1. Weighing apparatus comprising a scale pan, a counterpoise member, a fulcrum supporting the counterpoise member for pivotal movement about a horizontal axis, means supporting the pan on said member wholly above and at one side of the fulcrum, the counterpoise member including a counterbalancing mass connected thereto and continuously carried thereby at the other side of the fulcrum and operative together with the counterpoise member to support the pan in stable equilibrium on said fulcrum during pivotal movement of the member from its position of maximum stable equilibrium to a position of unstable equilibrium, means for causing an abrupt and continued further pivotal movement of the member in the same direction from said position of unstable equilibrium when the load in the pan equals a predetermined load, and means for relatively adjusting the mass and counterpoise member to vary the predetermined load.

2,624,564

BALANCE

Hugh Carmichael, Deep River, Ontario, Canada, assignor to The Ministry of Supply

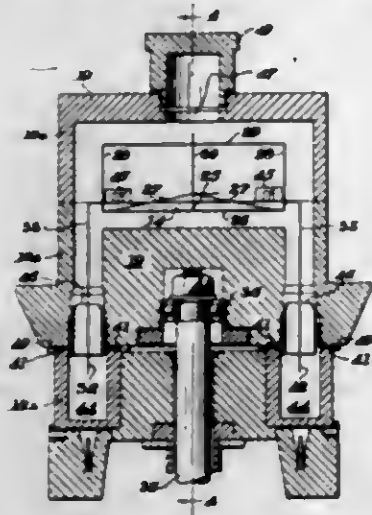
Application June 22, 1950, Serial No. 169,677

In Canada March 17, 1950

4 Claims. (Cl. 265-54)

1. A balance comprising a balance beam having two spaced apart load support arms extending downward from the beam; a casing of good heat conductivity closely and completely enclosing the

beam and the load support arms; said casing including a substantially continuous filling of heat conducting metallic material between the load



support arms, whereby heat is conducted directly from the vicinity of one load support arm to the vicinity of the other and of the beam.

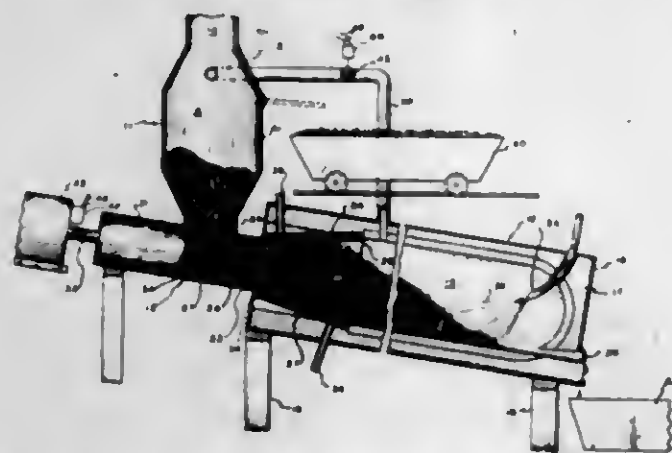
2,624,565

SCRAP MELTING

Walter W. Kompart, Steubenville, Ohio, assignor to National Steel Corporation, a corporation of Delaware

Application June 24, 1949, Serial No. 101,227

4 Claims. (Cl. 266-33)



3. In apparatus for melting pieces of ferrous metal scrap, a melting furnace defining a melting chamber, means for charging scrap into the melting chamber including an elongated feed passage having a piston mounted therein, said feed passage including an inlet portion of the same uniform size as the piston extending forwardly from the piston, the inlet portion having an inlet opening in the side, and an outlet portion extending from the inlet portion to an outlet communicating with the melting chamber, said outlet portion having sides diverging outwardly toward the outlet, burner means for heating the scrap metal in the furnace chamber, hopper means defining a receiving chamber for the scrap, a passage between said inlet opening and said receiving chamber for feeding scrap through the inlet opening into the inlet portion of the feed passage, power actuated means for moving the piston forwardly in the feed passage through a feed stroke of predetermined length to push scrap in the inlet portion into the outlet portion, the feed stroke being at least as long as the inlet passage portion whereby all scrap in the inlet portion is pushed out into the outlet portion on each feed stroke, and said piston being at least as long as said stroke whereby the piston maintains the inlet opening closed when in the

forward position, an outlet flue communicating with the receiving chamber, a bypass conduit communicating with the melting chamber and the flue, a normally closed valve in the conduit, and control means for opening the valve upon forward movement of the piston.

2,624,566

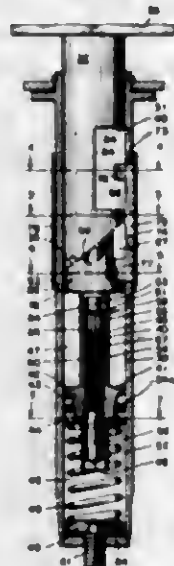
ADJUSTABLE COUNTERSEAT

Carl F. Caramelli, Los Angeles, Calif., assignor to

Peter G. Caramelli, Los Angeles, Calif.

Application March 25, 1949, Serial No. 83,310

6 Claims. (Cl. 267-1)



1. A hydraulic control unit comprising a cylinder adapted to be supported in upright position, said cylinder being closed at its lower end and open at its upper end, a piston mechanism in said cylinder including an enlarged guide body at its upper end adapted for sliding movement in the cylinder, a piston body spaced below the guide body, and an intermediate connecting section of smaller diameter, said piston mechanism dividing said cylinder into an upper fluid chamber above the piston body and a lower fluid chamber below the piston body, valve controlled passage means for permitting limited flow of fluid through said piston from said lower chamber to said upper chamber and for permitting gradual downward movement of the piston mechanism in said cylinder, said piston body having means to bypass fluid upon upward movement thereof, spring means between the cylinder and said piston mechanism for yieldably holding up said piston mechanism, a mounting pin extending into the upper end of said cylinder for sliding and rotative movement therein, said pin bearing upon the guide body portion of said piston mechanism, and interengaging means on said cylinder and said piston mechanism preventing relative rotation thereof.

2,624,567

FRICTION SHOCK ABSORBING MECHANISM FOR RAILWAY CARS

Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application August 5, 1950, Serial No. 177,800

2 Claims. (Cl. 267-9)

1. In a friction shock absorbing mechanism, the combination with a tubular casing open at one end; of a plurality of liners within said open end of the casing arranged symmetrically about the central longitudinal axis of said casing, each of said liners having a pair of friction surfaces

on the inner side thereof, said friction surfaces being at opposite sides of the longitudinal central portion of said liner and diverging outwardly with respect to each other; means for securing said liners to the casing wall, comprising a projecting pin on each of said liners engaged in an opening provided in the side wall of the casing; an intumed retaining lug at the outer end of each liner, said lug being aligned with said longitudinal central portion of said liner; friction shoes telescoped within said casing in sliding engagement with said liners, each shoe having a pair of friction surfaces on the outer side thereof, said friction surfaces being at opposite sides

of a road wheel, a torsion spring extending longitudinally of said vehicle for resiliently suspending said road wheel, means fixedly connecting one end of said torsion spring to said supporting member, a lever arm upon the opposite end of said torsion spring, a friction member being mounted upon said transverse frame member and restrained against vertical movement with respect thereto but movable bodily a substantial distance in a direction transversely of said vehicle, and means carried by said frame member restraining angular movement of said lever arm.

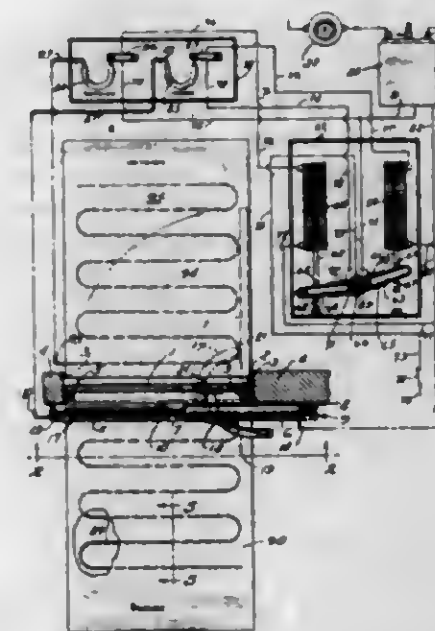
2,624,569

DOOR OPENING AND CLOSING MECHANISM

Reuben E. Peterson, Fergus Falls, Minn.

Application March 24, 1950, Serial No. 151,716

7 Claims. (Cl. 268-34)



of the longitudinal central portion of said shoe, one of said friction surfaces of said shoe being engaged with one of the friction surfaces of one of said liners, and the other of said friction surfaces of said shoe being engaged with the adjacent friction surface of the liner which is adjacent to the said one of said liners; a wedge engaging said shoes; readily outwardly projecting retaining lugs on said wedge extending between adjacent shoes and engaged in back of the lugs of said liners; and spring means within the casing reacting between said casing and shoes for yieldingly opposing inward movement of said shoes.

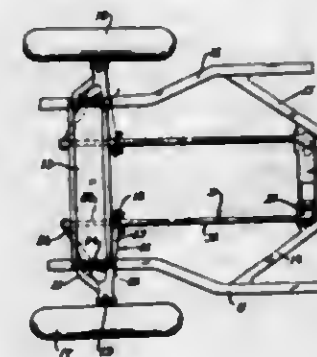
2,624,568

TORSION SPRING SUSPENSION

John A. Kany, Berkley, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application March 14, 1946, Serial No. 654,421

7 Claims. (Cl. 267-57)



1. In a vehicle having a transversely extending frame member and a supporting member car-

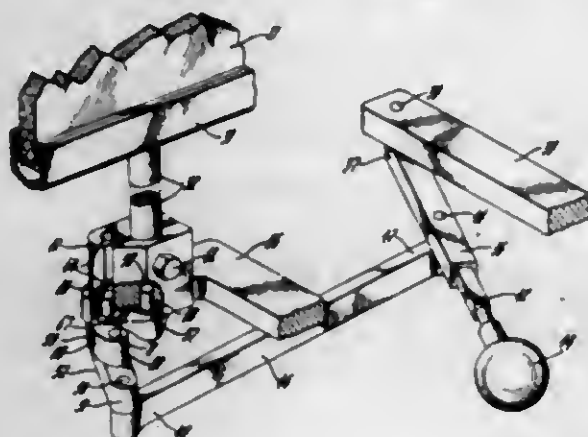
rying a road wheel, a torsion spring extending longitudinally of said vehicle for resiliently suspending said road wheel, means fixedly connecting one end of said torsion spring to said supporting member, a lever arm upon the opposite end of said torsion spring, a friction member being mounted upon said transverse frame member and restrained against vertical movement with respect thereto but movable bodily a substantial distance in a direction transversely of said vehicle, and means carried by said frame member restraining angular movement of said lever arm.

1. Means defining a one-way traffic passage, a normally closed door for said passage, a normally inoperative reversible motor for opening and closing the door, control mechanism for said motor, said mechanism comprising a first normally open control circuit to closing of which said motor is responsive to open the door, a second normally open control circuit to closing of which the motor is responsive to close the door, a normally open control switch in each of said control circuits, operating means for each of said switches, the operating means for the control switch of the first circuit being responsive to the presence of traffic in a zone adjacent one side of the door to close its switch, the operating means for the said control switch of the second control circuit being responsive to the presence of traffic in a zone adjacent the other side of the door to close its switch, two-position switch means comprising two pairs of contacts each of which are open in one position of the switch and closed in another position of the switch, an electro-magnetic switch actuator for said two-position switch means, said actuator comprising a pair of windings responsive to energization of one of which the said actuator moves the two-position switch to one of its two positions and responsive to energization the other of which said actuator moves said switch to the other of its two positions, each said control circuit further comprising a different one of said windings and the pair of contacts of said switch means which are closed responsive to energization of the said winding in circuit therewith.

2,624,570

WINDOW REGULATOR

William L. Dennis, Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 7, 1950, Serial No. 166,627
3 Claims. (Cl. 268-118)



1. A ventilating window mounted in a wall of a vehicle for swinging movement about a vertical axis relative thereto, regulating means concealed within inner and outer panels of said wall for opening and closing said window, said regulating means comprising a toggle-joint mechanism and means for operating the same, said operating means including a member extending through a horizontal slot in said inner wall panel and being movable back and forth therein, along said wall from within said vehicle and a connector between said member and said mechanism, said toggle-joint mechanism including a lever having one end pivotally mounted upon a part of said wall and having its other end movable about the pivotal mounting by movement of said operating member, said toggle-joint mechanism also including a link having one end pivotally mounted upon said lever intermediate the ends thereof and movable therewith and relative thereto, the other end of said link being pivotally attached to a window swinging element, and the pivot point of said other end of said link being movable, when the window is swung by said operating member into closed position, between and into straight line alignment with the pivot point of the mounting of said lever and the pivot point of the mounting of said link upon said lever for locking said window against movement from exteriorly of the vehicle.

2,624,571

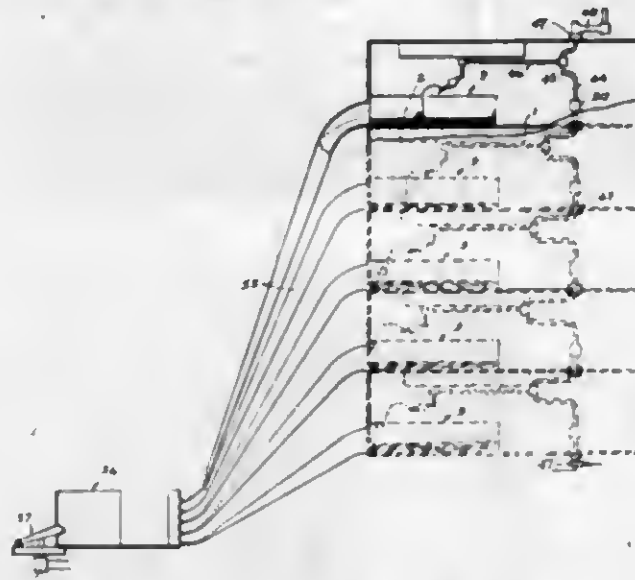
COLLATOR SHEET EJECTING MEANS

Howard B. Dixon and Frank Almada,
San Francisco, Calif.

Application May 10, 1948, Serial No. 26,006
5 Claims. (Cl. 270-58)

1. A collator comprising a plurality of superposed shelves open at one of their corresponding ends, each shelf being adapted to support a stack of sheets thereon, an ejector over each shelf supported for reciprocation in a direction toward and away from said open end of each shelf, each of said ejectors being gravity actuated for downward movement into engagement with the uppermost sheet of each stack during each ejection stroke toward said open end, a mechanism including guide means for automatically elevating each ejector from each stack at the end of each ejection stroke and for holding each ejector elevated during the return stroke between each ejection stroke, means for releasing each ejector for downward movement by gravity into engage-

ment with the uppermost sheet in each stack at the end of each said return stroke, each ejector including a bowed spring arm having a friction finger of relatively soft friction material at one end for engaging each sheet, and the opposite end being pivoted for downward swinging of said finger by gravity, said spring arm extending

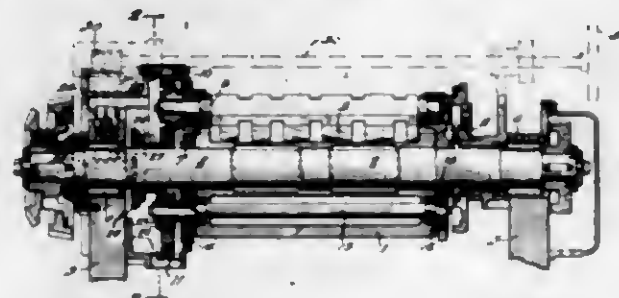


generally upwardly from said finger and bowed in direction of movement of the same during the ejection stroke, a horizontally reciprocable carriage for each spring arm to which said opposite end of each arm is pivoted and means for reciprocating each of said carriages in said direction toward and away from said open ends of said shelves.

2,624,572

FOLDING CYLINDER BLADE ADJUSTING MECHANISM

Charles A. Harless, Riverside, Conn., assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application November 19, 1948, Serial No. 61,009
13 Claims. (Cl. 270-77)



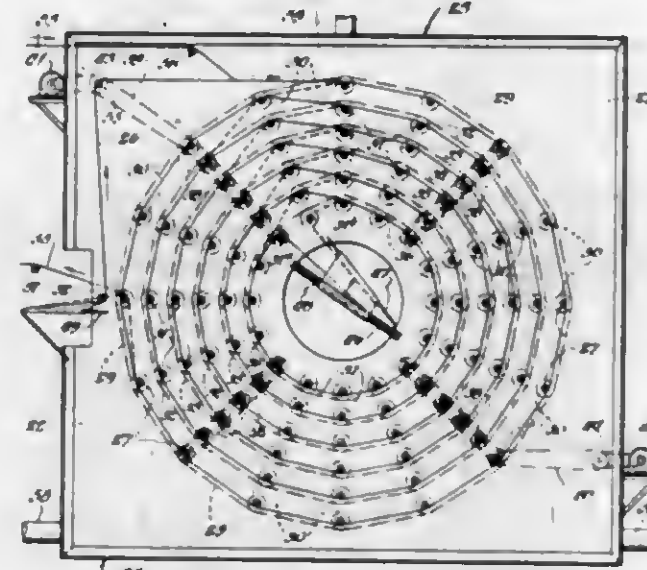
1. In a folding cylinder of the type comprising a cylinder body, a drive shaft therefor, a relatively rotatable bearing plate at each end of the cylinder body and mounted for rotation about its axis, folding blades mounted on second shafts journaled in the bearing plates and planetary pinions carried by the second shafts for rotating the same, and in combination, a pair of third shafts journaled in the cylinder body, extending longitudinally thereof and disposed symmetrically about its axis, means carried by each third shaft and engaging the bearing plates at each end thereof for moving the same angularly about the cylinder axis with relation to the cylinder body, a yoke surrounding and mounted for sliding movement longitudinally of the drive shaft, a cam connection between the yoke and each of the pair of third shafts for turning the latter as the yoke is moved, and said cam connections comprising a pair of cooperating cam elements, one carried by and rigid with the yoke and the other

carried by and rigid with the said third shaft, a non-rotating operating member for moving the yoke, and an anti-friction bearing connecting the last said member with the yoke for moving the yoke while permitting rotation thereof.

2,624,573

WEB HANDLING MECHANISM

Ernest Granville Rice, Chicago, Ill.
Application June 29, 1949, Serial No. 102,095
4 Claims. (Cl. 271-2.18)

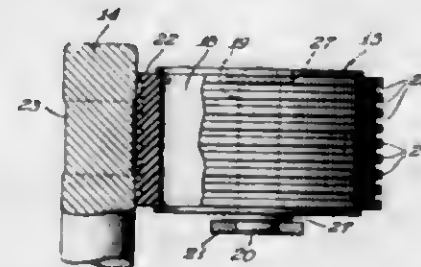


1. In a device of the type described, the combination of a framework, a plurality of shafts rotatably mounted in transverse position on said framework, an endless belt, a plurality of rollers fixedly mounted on said shafts with the shafts and rollers so positioned as to support a portion of the belt in helical form comprising a series of loops, a plurality of other rollers fixedly mounted on said shafts in spaced relationship to said first-named rollers for supporting another portion of said belt in helical form comprising a second series of loops alongside of said first-named portion, means including angle-bars for leading the belt sidewise from one of said sets of rollers to the other set, means including angle-bars for leading the belt sidewise from said other set of rollers to said one set, and means for driving all of said shafts at the same surface speed of rotation.

2,624,574

CONSTANT SPEED DRIVE FOR MAGNETIC RECORD MEMBERS

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application August 13, 1948, Serial No. 44,058
11 Claims. (Cl. 271-2.3)



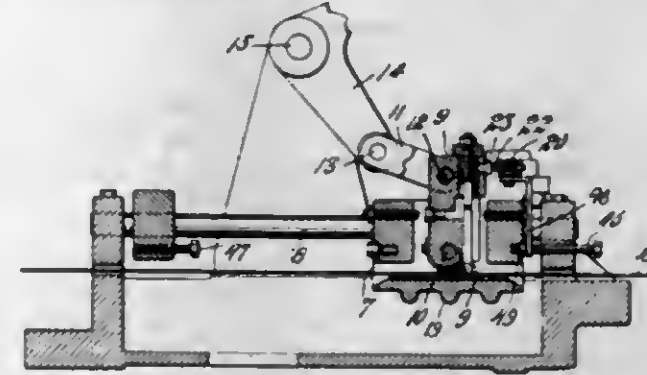
1. In magnetic recording apparatus including means to impart velocity to an elongated record tape, a tape drive mechanism comprising a drive roll and a pinch roll, said drive roll having a flat groove about its circumference wide enough

to allow the width of said tape to fit therein and having a depth substantially equal to the thickness of said tape, a pinch roll assembly arm on which said pinch roll is mounted, said assembly arm being mounted in a pivotal position to allow movement of said pinch roll into pressure and friction engagement with said tape and portions of said drive roll on at least one side of said groove.

2,624,575

SLIDE FEED

Frederick Koch, Sparta, N. J., assignor to C. Todd, Rutherford, N. J., as trustee
Application August 2, 1951, Serial No. 239,880
10 Claims. (Cl. 271-2.5)

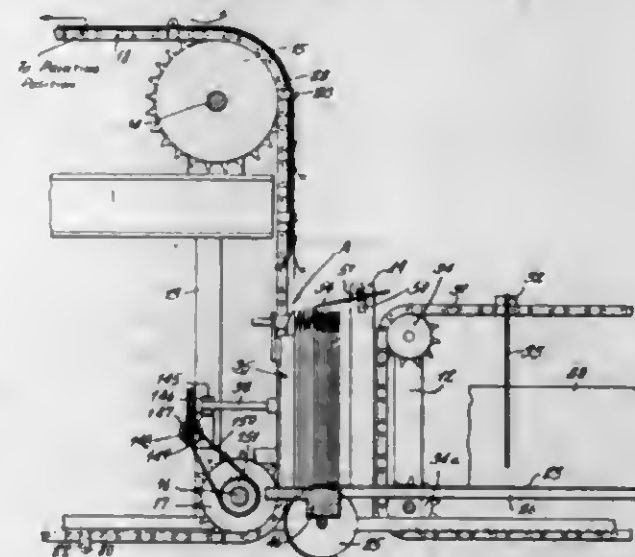


1. Feed control for slide feeds comprising in combination with a reciprocating slide block, a stock gripping lever pivoted on said block to grip the stock to be fed and arranged to impart the reciprocating movement to the block, means for oscillating said lever to reciprocate said block and to rock said lever into and out of gripping engagement with the stock to be fed, a trip bar mounted to slide transversely on said reciprocating slide block and shiftable into and out of position to limit rocking movement of the stock gripping lever to a point where the lever will not grip the stock, magnets at opposite sides of the path of movement of the slide block and armatures operable by said magnets to shift said trip bar in opposite directions.

2,624,576

FEED MECHANISM FOR FLEXIBLE SHEETS SUCH AS ENVELOPES

Jacob R. Lauffer, Valley Stream, N. Y., assignor to Miller-Lauffer Printing Equipment Corp., New York, N. Y., a corporation of New York
Application February 9, 1949, Serial No. 75,338
15 Claims. (Cl. 271-12)



1. In a machine for feeding flexible sheets, the combination of a stack feeder, an onward feeder

for advancing one by one sheets taken from the stack, the paths of travel of said feeders intersecting at substantially right angles, a plate positioned immediately adjacent the path of travel of the onward feeder and across the path of travel of the stack feeder, suction openings located in the plate surface to draw the leading sheet in the stack toward the plate and to conform said sheet to a predetermined shape at the moment it is to be engaged by the onward feeder, vents open to atmosphere in communication with said suction openings, and a bleed valve alternately opening and closing said vents, said valve being driven in synchronism with the onward feeder and arranged to open said vents and thus to reduce said suction when said sheet is to be engaged by the onward feeder.

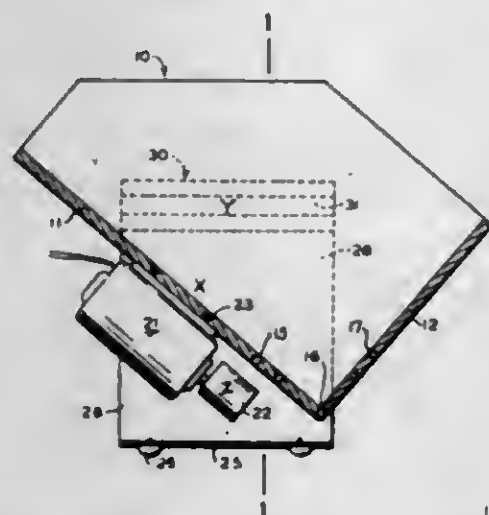
2,624,577

PAPER JOGGING MACHINE

William R. Peugnet, Wichita, Kans.

Application September 7, 1950, Serial No. 183,588

4 Claims. (Cl. 271-39)



1. A paper jogger comprising: a hanger having two spaced parallel upright side plates; an elongated rigid substantially horizontal shelf rigidly secured along the inner surface of each side plate and projecting inwardly toward each other in substantially a parallel relation; a paper cradle positioned between the hanger side plates in spaced relation thereto, and having a downwardly sloping bottom wall, and an upwardly sloping end wall normal to the bottom wall, and spaced upright side walls; a mass of resilient material secured on the upper surface of each shelf; brackets secured to the outside of each cradle side wall, said brackets having substantially horizontal flanges projecting outwardly therefrom at levels well above the center of gravity of the cradle, said flanges being embedded in said resilient material; and a power operated vibrator mounted exteriorly on said cradle.

2,624,578

EXHIBITION AND STAGE DEVICE

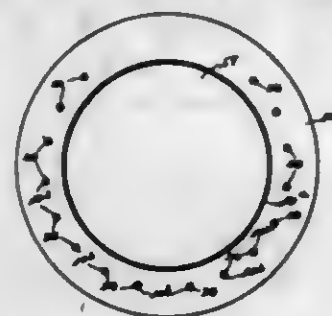
William J. Lancaster, Orlando, Fla.

Application December 20, 1949, Serial No. 134,065

4 Claims. (Cl. 272-21)

2. An exhibition device comprising a substantially circular exhibit table, an exhibition space above the table, a second table having a substantially circular opening, means for rotatively mounting the first table in the circular opening, jet openings in the surface of one of the tables in a row extending along the edge of the other

table and between the exhibition space and the audience jets in the openings a container for fog,



gas, smoke or vapor and connections between the container and jets.

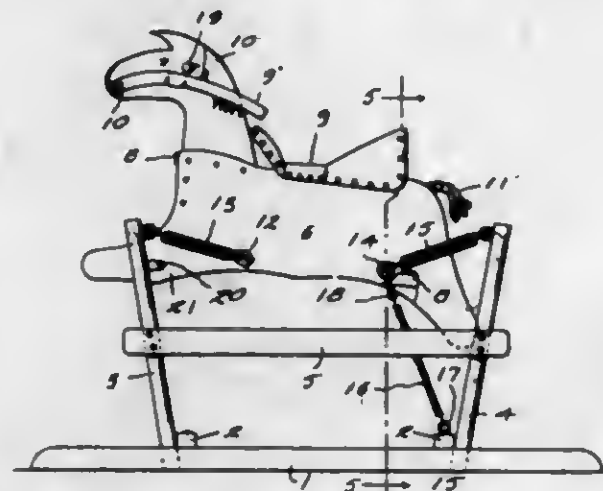
2,624,579

TOY SUSPENSION HOBBYHORSE

Jack Savella and Nora Savella, Cheboygan, Mich.

Application September 8, 1950, Serial No. 183,841

1 Claim. (Cl. 272-52)



A toy suspension hobbyhorse comprising a pair of corresponding laterally spaced runners, cross bars connecting said runners together, upright supporting posts carried by the front and rear ends of said runners, a body having the general configuration of a horse, said body made in two corresponding laterally spaced sections, intermediate spacing blocks between said body sections, horizontal dowel pins extending transversely through the front and rear ends of the toy horse body, suspension springs connected at opposite ends to said dowel pins and the upper ends of the front and rear supporting posts, respectively, other horizontal dowel pins extending through the heads and legs of the laterally spaced body forming sections and serving as a handle and foot rest, and a coil expansion spring connected at one end to the rear cross bar and at its opposite end to the corresponding spacing block, said coil expansion spring co-operating with said suspension springs in controlling the movement of the toy horse within certain prescribed limits.

2,624,580

BASEBALL BASE

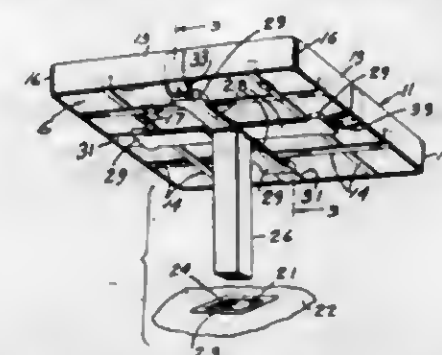
John P. Corbett, Los Angeles, Calif.

Application June 12, 1951, Serial No. 231,130

6 Claims. (Cl. 273-25)

1. A baseball base comprising a body of cushioning material, a fabric cover fitted thereto and removably receivable thereupon and comprising a top, side walls extending downwards from the edges thereof, said side walls being interconnected at their ends to define the corners of said cover, releasable means for securing said cover

in position upon said body, and means for anchoring said base comprising a post adapted to be set in the ground in predetermined position and means for securing said base to the upper end of said post comprising an arm rigid with said post and extending radially from the upper end



thereof toward each side of said base, means on the upper surface of each of said arms adjacent the outer end thereof defining an eye, and crossed straps encircling said body portion of said base and extending along the upper surfaces of said arms and through said eyes.

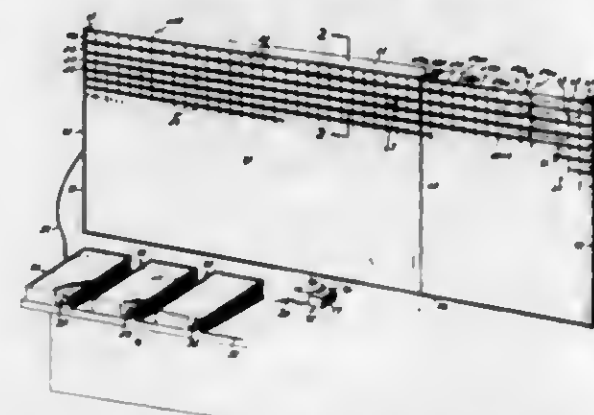
2,624,581

PIN BALL-CONTROLLED RACING GAME

Douglas R. Wiser, Thomas Clinton Bartlam, and Bryan R. Burke, Los Angeles, Calif.

Application October 30, 1948, Serial No. 57,432

16 Claims. (Cl. 273-86)



1. A racing game comprising game progress recording means having race courses each including a start and a finish position and a plurality of playing units for individual players, electrical circuits and switches interconnecting said playing units and said recording means, progress indicia associated with said courses intermittently actuated by said electrical circuits and switches in response to play upon said playing units, time-controlled barrier means limiting the rate of progress of said progress indicia along said courses, a tape position on said courses between said start and finish positions, and fast finish means actuatable by selected ones of said switches for accelerating corresponding progress indicia after said indicia have passed said tape position.

2,624,582

INTERLOCKING CARD TRAY AND CARD HOLDER

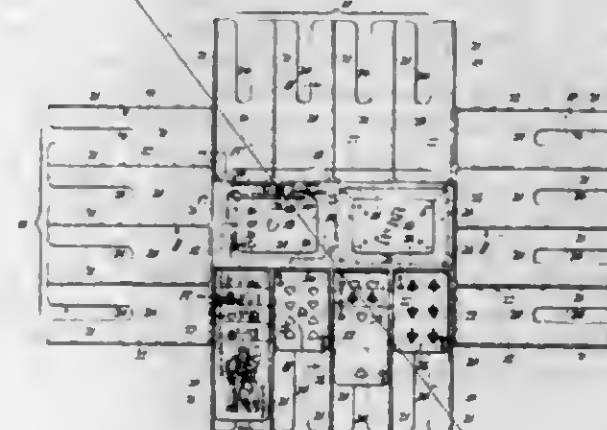
Ruth F. Molinar, Mexico City, Mexico

Application October 22, 1949, Serial No. 122,935

7 Claims. (Cl. 273-148)

1. In combination, a receptacle including a dish-shaped well for receiving a stacked pile of cards, and a runner surrounding the well and spaced from the sides and ends thereof, said

runner comprising side and end sections, each side section having a bottom edge with corner bottom edge portions disposed at a common level, an intermediate bottom edge portion above said common level, and upwardly inclined edges connecting said corner bottom edge portions to said intermediate bottom edge portion, a card tray, an interlocking unit disposed at the edge of said



tray, said interlocking unit having a web shaped for reception of the runner, a section of said web being shaped to correspond to the shape of the intermediate portions of the runner and constructed to interlock with said upwardly inclined edges, whereby the tray and the receptacle are adapted to be interfitted and interlocked to form a composite structure.

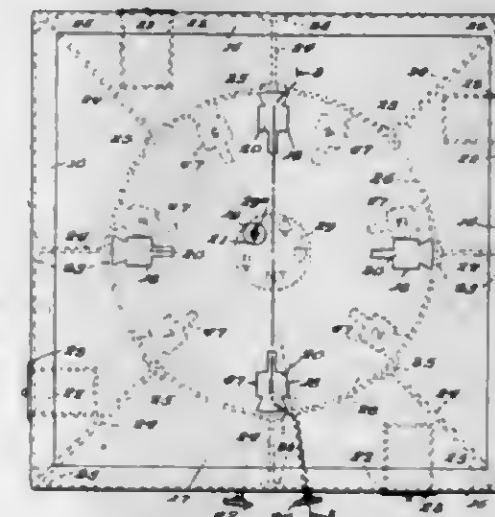
2,624,583

GAME INDICATING CARD TABLE TOP

Henry L. Schroeder, Chicago, Ill.; George H. Arnold, executor of said Henry L. Schroeder, deceased, assignor to Jack Jarvis and Maurine Schmliser

Application October 24, 1949, Serial No. 123,286

1 Claim. (Cl. 273-148)



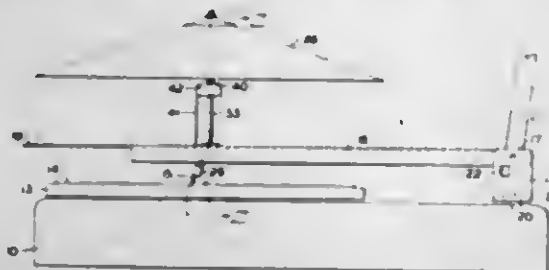
In a card table top of the character described, a substantially rectangular casing, four large and one small window opening in the upper surface of said casing, an annular ring centered in and secured to the casing and having an inwardly directed annular flange projecting therefrom, an indicating disc journaled for rotation in said annular ring and resting on said flange, a second and smaller indicating disc journaled for rotation in a circular recess in the upper face of said first indicating disc, a separate drive shaft for rotating each of the concentric indicating discs, gear means for placing the inner ends of said

shafts in driving relation with said discs, the outer ends of said drive shafts extending through the side walls of the casing, and operating knobs on the outer ends of said shafts exterior of the casing for registry of selective portions of each of said indicating discs with said window openings, said smaller indicating disc having printed in spaced relation thereon symbols for the five possible trump suits of a contract bridge hand and said larger indicating disc having tables printed in spaced relation thereon indicating the seven possible bids in a contract bridge hand, each bid having associated therewith the total point scores for each suit corresponding to such bid and its basic point score figures from which total point scores resulting from overtricks or undertricks may be computed, said tables being so spaced on the larger indicating disc that when one of the tables is selectively positioned under one of the four window openings all other tables are hidden from view through any of the other three window openings.

2,624,584

PHONOGRAPH

Ronald J. Rockwell, Cincinnati, Ohio
Application August 17, 1949, Serial No. 110,793
7 Claims. (Cl. 274-16)



1. A sound reproducing device for phonographs comprising a cabinet, a pick-up arm having one end thereof pivotally attached to said cabinet, a stylus receiving member, means for supporting said member on said arm for pivotal movement about an axis lying approximately parallel to the major axis of said arm, a sound generating cone located with its periphery disposed in a plane parallel to the plane of the record, and a vertically disposed rod having one end attached to said stylus receiving member, and the other end attached to said cone for supporting said cone in position and for transmitting motion from said stylus receiving member to said cone, said supporting means including a knife edge form of pivot and a spring clip disposed edgewise to the stylus receiving member for holding said member in place on the arm, said spring clip being apertured to receive said rod.

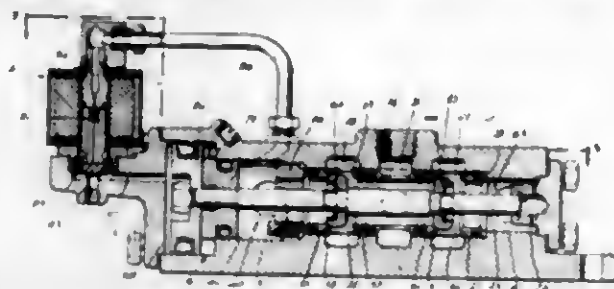
2,624,585

FOUR-WAY VALVE

Alan W. Churchill, Caldwell, and Roscoe C. Van Camp, Madison, N. J., assignors to Automatic Switch Co., Orange, N. J., a corporation of New York
Application February 19, 1951, Serial No. 211,728
4 Claims. (Cl. 277-12)

1. In a four-way valve, a valve body provided with two sets of opposed poppet-valve seats arranged in tandem, a valve element for each set of seats and constructed to define oppositely facing poppet valves, a common valve stem mounted in the valve body for axial reciprocation, and means for mounting the valve elements on the valve stem to allow for a limited relative movement of said valve elements toward and away from each

other independent of valve stem movements, said relative movability of the valve elements allowing independent seating of the valves during a single stroke of the valve stem, said valve stem being

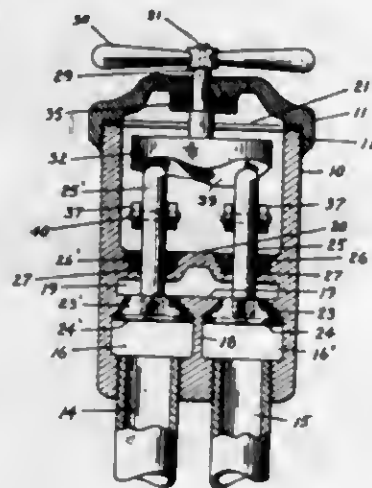


provided with abutments limiting the movement of the valve elements toward each other, the distance center-to-center between the valve elements in their closest relation being less than that between said two sets of valve seats.

2,624,586

MIXING FAUCET

Frederick A. Onasch, Milwaukee, Wis.
Application October 18, 1944, Serial No. 559,210
2 Claims. (Cl. 277-20)

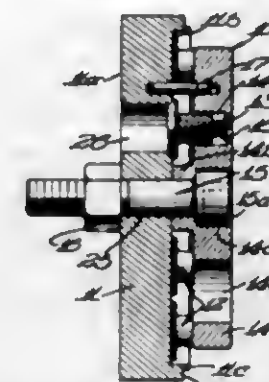


1. A mixing valve of the character described comprising a housing provided with a pair of supply chambers, a mixing chamber and an operating chamber, said housing further provided with a pair of supply tubes entering said supply chambers, a passage leading from each of said supply chambers to said mixing chamber, an annular cam provided with a face providing high and low contact surfaces, said cam disposed within said operating chamber, a vertical stem supporting said cam and extending outward through the top of said housing, an outlet through the side wall of said housing from said mixing chamber, a pair of valves having upwardly extending stems vertically disposed, each of said valves disposed within said supply chamber for controlling the flow of liquid through one of said passages, said valve stems leading upward through said mixing chamber into said operating chamber, a pair of pivotally mounted link members within said operating chamber, said link members each being provided with a vertical member on one end and hingedly attached to one of said valve stems at this other end, the upper end of the vertical member on each of said links and the upper end of each of said valve stems arranged for constant frictional contact with said surfaces of the face on said cam, thereby causing said valves to operate when the vertical stem on said cam is revolved.

2,624,587

VALVE ASSEMBLY

Edwin D. Watson, South Gate, and James D. Creek, Lynwood, Calif., assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 30, 1949, Serial No. 113,066
3 Claims. (Cl. 277-60)



1. A valve assembly of enhanced flow capacity which comprises a block having a plurality of unimpeded holes therethrough, one face of said block having a beveled mouth around each hole defining a valve seat for each hole, said valve seat having a concave fragmental spherical contour, a valve for each seat having a head with an annular seating face of convex fragmental spherical contour and a hollow tubular stem projecting from the head, a retainer having blind wells therein loosely guiding the valve stems, a coil spring in each valve stem, a Belleville washer spring bottomed in each well and receiving the end of the coil spring projecting from the valve stem, each Belleville washer having a diameter larger than the coil spring so as to be engaged by the end of the valve stem when the valve is opened, and a central draw bolt assembly uniting the block and retainer for simultaneously loading all of the valve springs whereupon said valves will be urged into sealing engagement with the valve seats and said valve seats will accommodate misalignment of the valve without permitting leakage.

2,624,588

RETRACTABLE RUNNER AND WHEELED TYPE OF GAME CARRIER

Charles W. Jones, Pomona, Calif.
Application January 24, 1949, Serial No. 72,491
4 Claims. (Cl. 280-9)

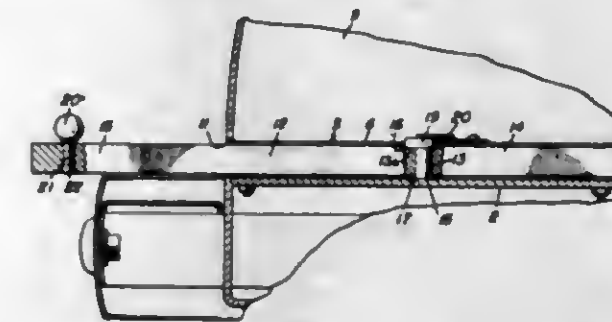


1. A disjointable light weight game carrying cart comprising a plurality of elongated sections detachably secured in two end to end series to form a pair of rigid frame members, a load supporting member detachably secured to said frame members and extending transversely therebetween to maintain said frame members in laterally spaced relation, a single wheel detachably secured to said frame members and in depending relation thereto for movably supporting the cart, and a single runner detachably carried by said frame members and pivotable between a lowered active position beneath said wheel and a raised position above said wheel.

2,624,589

CONCEALABLE TRAILER HITCH

Charles A. Strand, Duluth, Minn.
Application December 11, 1950, Serial No. 200,243
1 Claim. (Cl. 280-33.44)

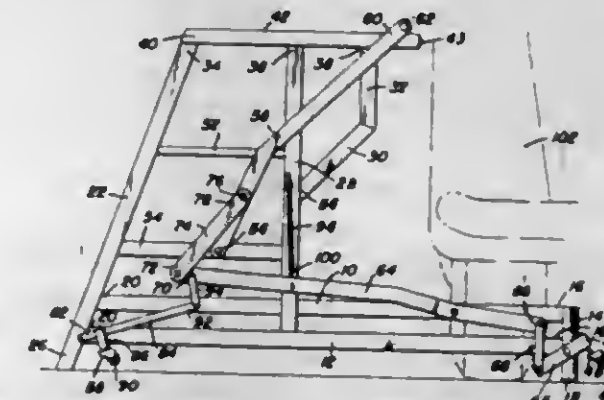


A trailer hitch comprising in combination, a vehicle trunk having an opening, an elongated housing open at each end, means securing the housing in the trunk with one end of the housing aligned with the opening in the trunk, a bar having a hitch member at one end and reversibly received in either end of the housing to selectively position the hitch member either outwardly or inwardly of the trunk, and a headed locking pin passing through both the housing and the bar to lock the bar in either position in the housing, said housing including an upper wall having an opening in which the head of the pin is received and said bar having a counter-sink in registry with the opening in said upper wall and also receiving the head of the pin so that shearing stress will be applied to the head of the pin.

2,624,590

PORTABLE WORKSTAND

William J. Tilton, South Milwaukee, Wis.
Application November 7, 1947, Serial No. 784,702
4 Claims. (Cl. 280-44)

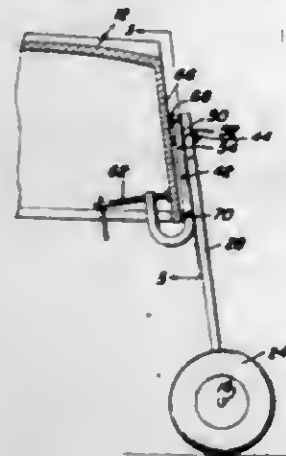


1. A portable work stand comprising an elongated frame having supporting legs, a pair of vertically swingable links pivoted on one end of said frame, a further pair of vertically swingable links pivoted on the other end of said frame, a wheel mounted on each link of said pairs of links, a pair of elongated vertically rockable operating bars pivotally mounted on the sides of said frame, said bars having forward and rear end portions, pitmans connecting the forward end portions of said bars to said first mentioned pair of links, further pitmans connecting the rear end portions of said bars to said further pair of links, resilient means terminally attached to said bars and to the frame and yieldingly urging the rear ends of the bars raised, and manually operated means mounted on said frame above the rear ends of the bars and connected to the rear ends of the bars for pivoting the bars to urge the wheels below the lower ends of said legs.

2,624,591

WHEELED DEVICE FOR TRANSPORTING BOATS

John Paul Choplin, North Wilkesboro, N. C.
Application December 5, 1949, Serial No. 131,126
2 Claims. (Cl. 280-61)



1. A boat dolly which is adapted to be secured to the transom of a boat comprising a clamp portion with means for releasably securing the clamp portion to the transom of the boat, said clamp portion including a plurality of juxtaposed and connected members having arcuate surfaces, a second portion secured to said clamp portion and including a plurality of members having arcuate surfaces thereon interfitted between the first mentioned arcuate surfaces, and wheels carried by said second portion, said clamp portion having transverse recesses therein, a pivot bolt connecting said clamp portion and said second portion, said second portion seating in said recesses when rotated a predetermined degree about said pivot bolt, said clamp portion having a plurality of U-shaped curved parts being in a plane parallel to that of the wheels, said means for releasably securing the clamp portion to the transom of the boat including a screw passing through the free extremity of each leg of each of the U-shaped parts remote from the leg of the U-shaped part adjacent the second portion and said screw being adapted to engage the inside surface of the transom of the boat.

2,624,592

VEHICLE WHEEL SUSPENSION SYSTEM

Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 21, 1947, Serial No. 736,262
24 Claims. (Cl. 280-96.2)



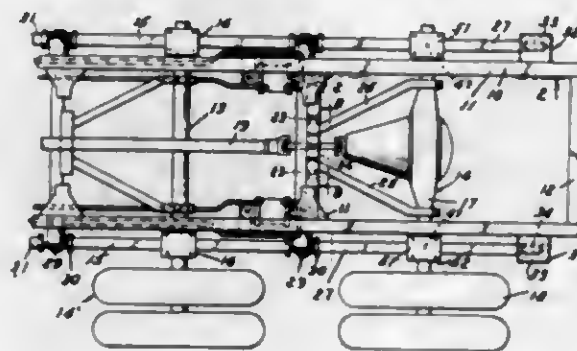
1. Means to suspend a load supporting body on a pair of road wheels including a pair of wheel mounts, transverse arms of greater length than one half the wheel tread, rigidly joined at their outer ends to the wheel mounts and pivotally joined at their inner ends to the body beyond its longitudinal center line, said arms crossing one another in the region of said center line and being oppositely offset in said region, a

pair of longitudinal distance rods pivotally joined at opposite ends to the body and the wheel mounts, vertically disposed telescopic struts, each having its upper portion joined to the body and its lower portion joined to a wheel mount on a longitudinal pivotal axis and spring means interposed between the body and said lower strut portions.

2,624,593

PIVOTED MOUNTING FOR VEHICLE SUSPENSION SPRINGS

Ancil C. Stover, Van Wert, Ohio, assignor to William W. Eisenhauer, William P. Ellwood, Ida J. Eisenhauer, and Leigh E. Eisenhauer, copartners, doing business as The Eisenhauer Manufacturing Company, Van Wert, Ohio
Application October 3, 1949, Serial No. 119,224
12 Claims. (Cl. 280-104.5)

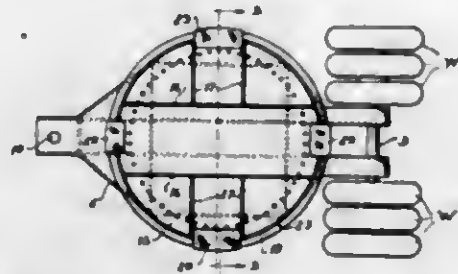


1. In a vehicle having a frame, means supporting the frame including an axle extending in a direction transverse to the frame, leaf springs extending substantially normal to the axle at opposite sides of the frame means supporting opposite ends of the springs on the frame for lateral shifting movement relative to the frame, means other than said springs for connecting the axle to the frame and permitting turning movement of the axle about an up and down axis located between the springs, and means respectively securing the springs intermediate the ends thereof to adjacent portions of the axle including mounting assemblies attached to the axle and respectively pivoted to the springs permitting pivotal movement of the springs relative to the axle about axes extending substantially parallel to the axis of turning movement of the axle.

2,624,594

PNEUMATIC SUSPENSION FOR VEHICLES

Rene Goulland, New York, N. Y.
Application June 22, 1946, Serial No. 678,605
14 Claims. (Cl. 280-124)

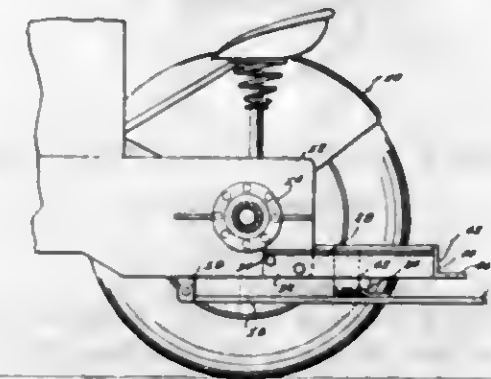


1. A vehicle comprising a body, a wheeled axle beneath said body, and a horizontally disposed weight carrying pneumatic cushion interposed between the axle and the body forwardly of the wheels and of greater width in a direction transversely of the vehicle than the distance between the wheels of said axle.

2,624,595

COMBINED HITCH AND PLATFORM UNIT FOR TRACTORS

Robert B. Horn and John K. Bauer, Winchester, Ind.
Application October 13, 1950, Serial No. 190,024
2 Claims. (Cl. 280-164)

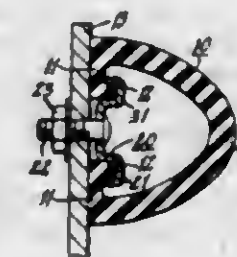


1. A removable platform for attachment to a differential housing of a tractor comprising a pair of angle irons arranged in spaced relation adapted to be positioned transversely and rearwardly of said housing at a level to correspond to a normal step from a ground surface with one end of each angle iron adjacent said housing, each of said irons including a vertical flange and horizontal flange projecting from the top of said vertical flange, detachable fastening elements extending through the portions of the vertical flanges adjacent said one end of said irons and engaging said housing for removably affixing said one end of said irons to said housing, a horizontally disposed plate bridging the horizontal flanges of said irons and secured to said flanges, said plate extending inwardly from the other end of said angle irons and terminating at a point adjacent to the affixed end portions of said angle irons and forming a platform, and another angle iron arranged transversely of said pair of angle irons adjacent the other ends of the latter, said another angle iron including a vertical flange and a horizontal flange projecting from the bottom of said vertical flange being positioned so that the vertical flange of said another angle iron abuts against the other ends of said pair of angle irons with the horizontal flange below and spaced from said platform, the vertical flange of said another angle iron being secured to the other ends of said pair of angle irons.

2,624,596

CRASH PANEL FOR VEHICLES

Paul E. Clingman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 2, 1951, Serial No. 229,575
2 Claims. (Cl. 280-150)



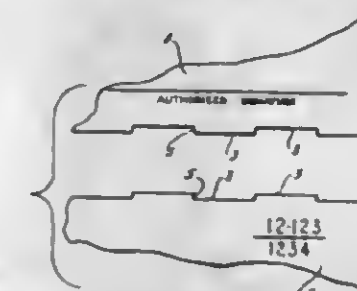
1. A crash panel adapted to be mounted in a vehicle body in position to protect an occupant in event of a crash, comprising a resilient hollow strip having a cross-section approximating a C-section of elastomer material, the base portion of said C-section having two opposed laterally ex-

tending flanges, the adjacent edges of said flanges having inwardly extending enlargements thereon, a metal plate located within the hollow of said C-section strip and having its opposed marginal portions shaped to snugly overlie and partially surround said enlargements to prevent spreading apart of said flanges, and threaded bolts projecting from said plate outwardly thru the opening in said C-section strip for fixing said metal plate to a base support and clamping said flange enlargements in fixed position against said base support.

2,624,597

RECORD CARD

John M. Winans, Johnson City, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 23, 1949, Serial No. 129,087
1 Claim. (Cl. 281-5)



A card including a partition line for separating one portion of the card from another portion, comprising a first series of spaced incisions extending across the card along a straight line, and a second series of similar incisions extending along a line spaced from and parallel to said first named line, with each incision in one line being equal in length and lying adjacent to a space between the incisions in the other line, interconnecting strips, comprising a length of card equal to the perpendicular distance between parallel incisions, and ragged edges extending perpendicularly inward from true straight edges which remain on each portion of the card when interconnected portions of a card are detached from one another, whereby each portion of the card presents a smooth edge to facilitate handling in an accounting machine.

2,624,598

OIL FILLING NOZZLE AND COUPLING

Vincent J. Quinlan, Irondequoit, N. Y.
Application January 24, 1948, Serial No. 4,142
1 Claim. (Cl. 285-183)



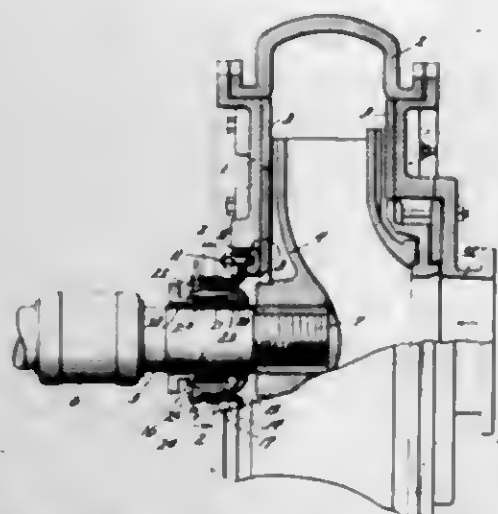
In combination, a nozzle-piece for the delivery gun of the filling hose of an oil delivery truck, and a coupling adapted to be secured to the fill pipe of an oil storage tank, said nozzle piece being a rigid metal part having a smooth bore extending therethrough and having a smooth conical

external surface which tapers toward the mouth of said nozzle piece, and said coupling being a rigid metal part having a bore extending therethrough, a portion of which is smooth and conical and complementary to the conical external surface of said nozzle piece to form a seat therefor, the conical surface of said nozzle piece tapering to a diameter which is less than the smallest diameter of the conical portion of the bore of the coupling, whereby said nozzle piece, when seated in said bore, projects inwardly beyond the inner end of the conical portion of said bore.

2,624,599

ARRANGEMENT FOR FLEXIBLE STUFFING BOXES

Charles A. Eaton, Atlantic City, N. J.
Application August 10, 1950, Serial No. 178,685
1 Claim. (Cl. 286—9)



In a flexible stuffing box arrangement for centrifugal dredging pumps, a casing having a central aperture to receive an impeller shaft, a laminated water-proof flexible sleeve bent outwardly to form a restricted opening; a ring bolted to the casing and clamping the outer periphery of the sleeve about the impeller shaft opening in said casing; a stuffing box, including an outer casing; an adjustable ring for clamping the free edges of the laminated sleeve about the casing of the stuffing box, the said outer casing of the stuffing box provided with orifices to receive water from without the casing under greater pressure than the pressure in the casing; a slotted ring within the casing and registering with said apertures; a packing fitted within the casing, an adjustable nut for holding the packing in position; and the water pressure through the stuffing box forcing any sand from within the slotted ring back into the casing.

2,624,600

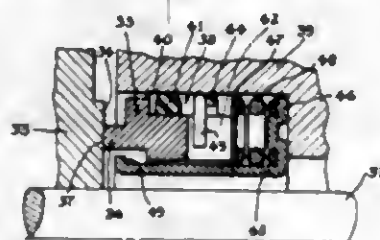
DRIVE FOR SEALING WASHERS

Charles F. Voytech, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application November 19, 1947, Serial No. 786,843
6 Claims. (Cl. 286—11.14)

1. A fluid seal for relatively rotatable elements having a sealing washer, means for effecting a fluid-tight seal between the washer and one of the relatively rotatable elements, means for urging the washer toward the other of the elements, and means for preventing relative rotation between the washer and said one element, said last-mentioned means comprising a torque-responsive coupling having three parts, two of which are

mutually exclusively connected to the washer with a positive drive and the third part friction-



ally engaging the said one relatively rotatable element.

2,624,601

PACKING GLAND

Application February 13, 1946, Serial No. 647,302
Arthur W. Else, Milwaukee, Wis.
4 Claims. (Cl. 286—38)



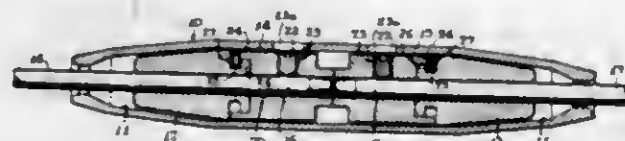
1. In a device for sealing the joint between relatively movable machine parts, a box having a movable machine part extending therethrough and having an aperture through a wall thereof, and an interiorly conical surfaced follower rotatable in the box for axial movement therein, the follower having a plurality of apertures through the side thereof severally movable into and out of registry with the box aperture upon rotation of the follower in the box, registry of the box aperture with a follower aperture providing a passage for admission of the fluent packing into the follower, the follower inner surface exerting both radial and axial pressure on the packing upon movement of the follower for non-registry of the apertures and axially into the box.

2,624,602

SWIVEL FOR POSITIVE INITIAL GRIPS

Henry Peter Dupre, Astoria, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York

Application July 8, 1946, Serial No. 681,863
4 Claims. (Cl. 287—115)



1. A connector for joining a wire thereto comprising a housing, having an internal taper at one end, a main set of gripping jaws in the housing and having tapered surfaces for compressing the jaws when forced into the tapered end of the housing; and a positive initial gripping element for securing to the end of the wire when inserted therein and rotatable with respect to the main set of gripping jaws and capable of slidable movement in the housing, said positive initial gripping element when attached to the end of the wire adapted to be moved by the movement of the wire only, against the adjacent surface of the main set of gripping jaws, causing the main set of gripping jaws to be moved in the housing and forced against the tapered portion of the housing, compressing the jaws onto the wire.

2,624,603

WELL PACKER RUBBER

Cecil H. Sweet, Hobbs, N. Mex., assignor to Sweet Oil Well Equipment, Incorporated, a corporation of New Mexico

Application September 13, 1949, Serial No. 115,351
11 Claims. (Cl. 288—2)



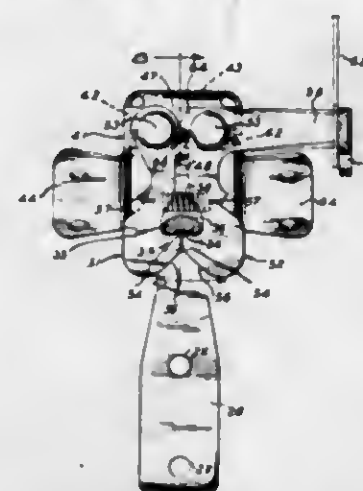
1. A well packer comprising an elongated cylindrical member of resilient material having a major bore section therethrough; and a relatively shorter internally restricted section forming a minor bore therein, said restricted section graduating from the major diameter and back again thereto and being located nearer one end of the packer than the other end.

2,624,604

VEHICLE DOOR LOCK

Ralph H. Wise, Wayne, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application July 20, 1950, Serial No. 174,955
2 Claims. (Cl. 292—30)



1. In a latch mechanism for a motor vehicle door having separated inner and outer panels and a jamb face at its free edge provided with an opening therein, a supporting bracket having laterally spaced mounting flanges secured to the jamb face of the door on opposite sides of said opening and integral side walls extending at right angles to said mounting flanges through said opening into the interior of said door, the side walls of said bracket extending at right angles to the inner and outer panels of said door, a top wall integrally joining said side walls and extending into a downwardly bent rearward wall closing the rearward portion of said supporting bracket.

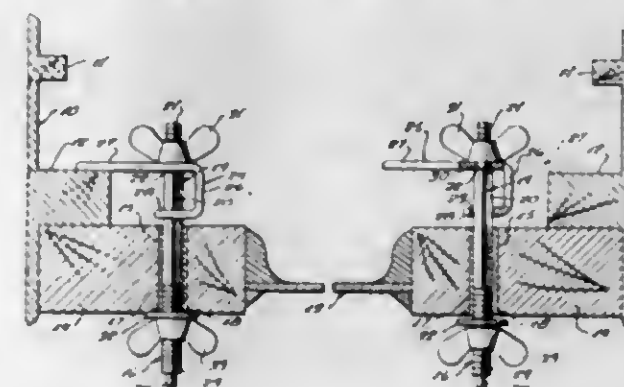
bracket, a pair of latch arms pivotally mounted upon said rearward wall within said door for pivotal movement about laterally spaced axes, said latch arms being normally positioned adjacent each other and projecting through the opening in the jamb face of the door, the projecting portions of said latch arms having opposed retaining portions, the rearward wall of said bracket having an outwardly bent tab centrally of its width projecting between said latch arms and forming a stop therefor, spring means interconnecting said latch arms and yieldably holding said latch arms against said tab, an actuating lever integrally formed on one of said latch arms and projecting laterally from said supporting bracket within said door for manual actuation, and interengaging lugs on said latch arms closely adjacent the pivotal mountings for said latch arms to provide simultaneous operation of said latch arms.

2,624,605

FASTENER FOR STORM SASH AND THE LIKE

William G. Ratte, Lawrence, Mass.

Application March 21, 1950, Serial No. 150,877
1 Claim. (Cl. 292—212)



In a clamping device, a bolt having a squared intermediate portion, a screw threaded outer end, a screw threaded inner end, a lateral shoulder between said intermediate portion and said inner end, a first nut threaded on said outer end, a clamping bracket comprising a J-shaped form comprising a standard portion extending crosswise of the bolt, said standard having a free end and another end, a lateral foot portion on said other end terminating in a lateral extension paralleling said standard portion and spaced from the outer side of said standard portion, said standard portion being formed intermediate its ends with an opening freely passing said inner end of the bolt with the standard portion bearing against said shoulder, said lateral extension being formed with a squared opening non-rotatably receiving the squared intermediate portion of the bolt, and a second nut threaded on the said inner end of the bolt and bearing against the inner side of the standard portion of the clamping bracket.

2,624,606

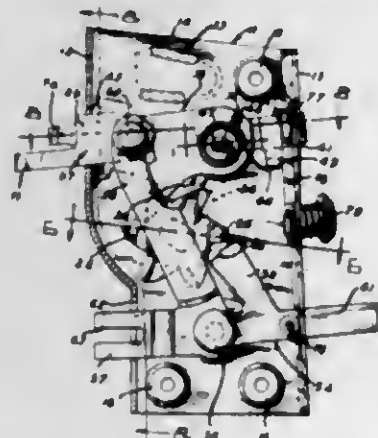
DOOR LOCK

Thomas C. Dingman and John W. Jamieson, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application May 11, 1951, Serial No. 225,894
4 Claims. (Cl. 292—280)

1. In a latch mechanism for a motor vehicle door, a support mounted upon said door adjacent an edge thereof and having a side flange extending at a right angle to said support ad-

adjacent the outer side of said door, a toothed rotor rotatably mounted upon said support at one side thereof, a toothed ratchet on the opposite side of said support from said rotor and mounted for rotation with said rotor as a unit, said rotor and said ratchet having the same number of teeth, a pawl mounted upon said support on the same side as said ratchet and adapted to engage one of the teeth of said ratchet to hold said ratchet and rotor against rotation in one direction, the flange of said support being provided with an L-shaped slot having a relatively shallow portion at one side and a relatively deep portion at the opposite side of the slot, said pawl having an extension extending through the relatively deep portion of said slot with the width of the pawl extension and the depth of the relatively deep portion of the slot being such as to permit sufficient movement of the pawl to withdraw the latter from engagement with the teeth of the ratchet, a control lever pivotally mounted upon said support on the same side of said ratchet, said control lever having an arm extending therefrom and terminating adjacent said pawl,



a locking lever pivotally connected to the extremity of said arm and extending through the relatively shallow portion of the slot in the side flange of the support, said locking lever having a relatively wide portion adjacent its pivotal connection with said arm and a relatively narrow portion at its outer end with said relatively wide portion corresponding generally to the depth of the shallow portion of the slot and with its relatively narrow portion considerably smaller than the depth of the slot, said control lever being swingable from a locked position in which the wide portion of the locking lever is in alignment with the slot to an unlocked position in which the narrow portion of the locking lever is in alignment with said slot, and a manually operable release lever pivotally mounted upon the side flange of said support adjacent the slot formed therein and engageable with the adjacent edges of said pawl and said locking lever and effective when operated to swing said pawl out of engagement with the teeth of said ratchet only when said locking lever is in its unlocked position with the narrow portion thereof in alignment with said slot.

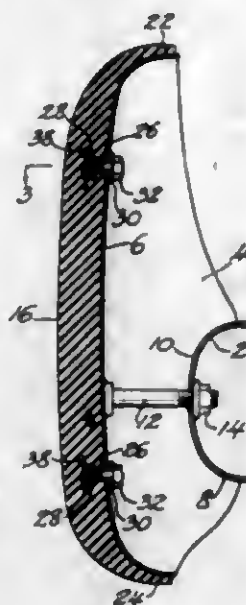
2,624,607

RESILIENT COVER MEMBER FOR BUMPER GUARDS

James H. Weigand, Trenton, N. J.
Application August 17, 1950, Serial No. 179,903
4 Claims. (Cl. 293-65)

4. A bumper guard for an automobile comprising a member attachable to a bumper and having a vertically extending elongated and rounded outer surface, a cover member formed of resilient

plastic material extending over substantially all of the surface of the guard which projects beyond the bumper, said cover being generally crescent shaped in cross section with the inner yielding surface thereof in intimate contact with said elongated and rounded surface, an arcuate anchoring means embedded in the plastic and ex-

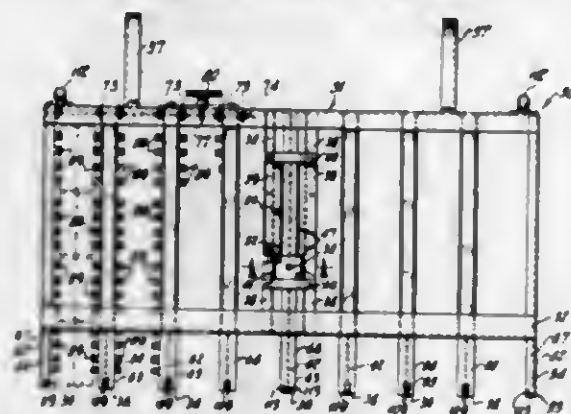


tending generally parallel to the rounded surface of said guard, nuts secured to the inner surface of the anchoring means, bolts extending through said guard and engaging said nuts, and means between the heads of said bolts and the guard presenting a rounded face engaging the inner surface of said guard and a flat surface engaged by the head of said bolt.

2,624,608

FORK FOR HANDLING BRICKS AND OTHER UNITS

Julian F. Rowe, Stewart Manor, N. Y.
Application February 25, 1949, Serial No. 78,303
7 Claims. (Cl. 294-63)



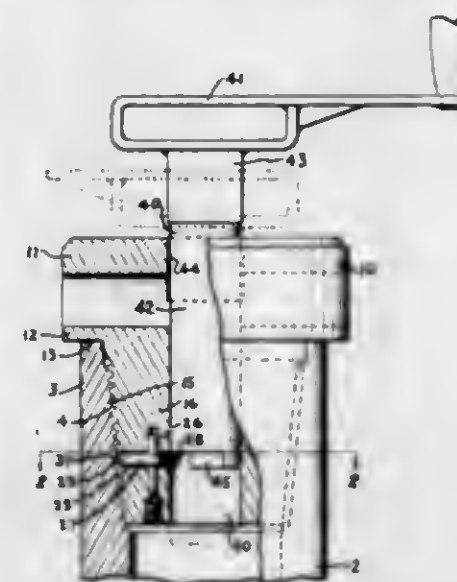
1. A lifting fork for handling stacks of brick units and other rectangular elements comprising, in combination; a frame having a plurality of horizontally - extending, transversely - spaced tines; a pair of said adjacent tines defining therebetween a longitudinally-extending, units-receiving space; a pair of opposed, longitudinally-extending, transversely-spaced units-gripping means mounted in the space on opposite sides thereof with one supported on one of said pair of tines and the other on the other of said pair of tines; each of said means comprising a rotatable shaft having its axis arranged substantially parallel to said tines, a bank of a plurality of disconnected downwardly-depending dogs arranged along said shaft each having an outwardly-extending engaging nose, yieldable dog-mounting means mounted on and extending laterally and downwardly from one side of said

shaft to be rotated thereby, said yieldable dog-mounting means securing said dogs to and floatingly mounting them on said shaft along one side thereof and below it so that the noses of each bank of dogs are opposed to the noses of the other bank of dogs below their carrying shafts, each bank of dogs being rotatable with its carrying shaft out into the space to be swung upwardly toward the opposed bank of dogs for yielding engagement by the opposed banks of dogs of opposite sides of units disposed in the space when said pair of shafts are rotated in opposite directions; and operating means to rotate said shafts simultaneously in opposite directions at least through radial angles between downward dog-retracted positions and upper lateral engaging positions.

2,624,609

LOCKING LIFT PLUG

Lynn W. Storm, Houston, Tex., assignor to Houston Oil Field Material Company, Inc., Houston, Tex., a corporation of Delaware
Application August 4, 1947, Serial No. 765,828
12 Claims. (Cl. 294-86)



1. A locking lift plug for flush joint drill pipe having a threaded internal box end comprising a body, a threaded pin thereon to engage the threaded box, a latch eccentrically disposed in said pin to grip the box thread to lock said body to the pipe, and means to release said latch when the plug is to be removed, including means to unthread said plug.

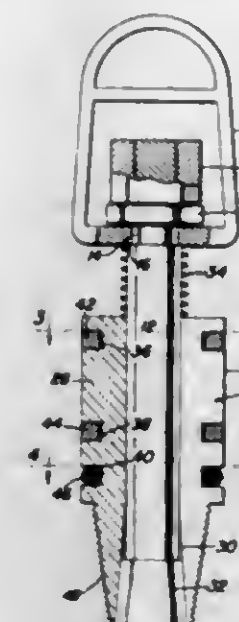
2,624,610

EXPANSIBLE ELEVATOR PLUG

Clauast R. Murphy, Amarillo, Tex., assignor of one-half to Lee Murphy, Plainview, Tex.
Application February 23, 1950, Serial No. 145,647
1 Claim. (Cl. 294-96)

An elevator plug comprising an upright stem having a diametrically reduced and screw-threaded shank at its upper end, a frusto-conical cam member provided at the lower end of said stem, a suspension yoke rotatably mounted on said shank, a thrust bearing provided on the shank within said yoke, a keeper nut on the shank above said bearing, a substantially tubular expansible and contractible body provided with an axial bore having said stem slidable therein, said bore including a frusto-conical lower end portion operatively engaged by said cam member, a yieldable element positioned on said stem between the upper end of said body and said yoke, said body being provided in its lateral sur-

face with upper and lower annular grooves, an annular spring positioned in the lower groove for contracting the body, and a rigid keeper ring positioned in the upper groove for limiting the

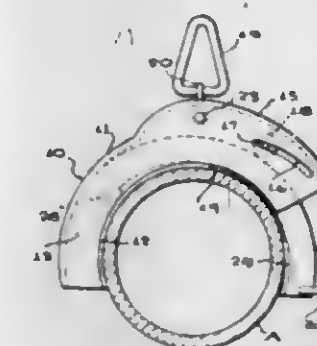


expansion of the body, the inside diameter of said ring being greater than the diameter of the body in the plane of the upper groove when the body is in its contracted position.

2,624,611

GRAPPLING UNIT

Charles W. Knapp, Oxford, Kans.
Application June 27, 1952, Serial No. 296,019
5 Claims. (Cl. 294-103)



1. A grappling unit comprising a first half crescent shaped open ended housing including a top wall and a bottom wall extending inwardly from one of the open ends and terminating at a point spaced from the other of the open ends and forming a shoulder, a second half crescent shaped open ended housing including a top wall and a bottom wall positioned interlockingly within and connected to said first housing for limited longitudinal sliding movement and forming with said first housing a grapple, one of the open ends of said second housing being within and adjacent to said one open end of said first housing and the other of the open ends being exteriorly of said other open end of said first housing, an abutment strip projecting from the exterior surface portion of the bottom wall of said second housing adjacent said other open end of the latter housing and engageable with said shoulder for limiting the movement of said second housing relative to said first housing, and a pull loop exteriorly of the top wall of said first housing and pivotally connected to the last named housing intermediate its open ends.

2,624,612

SHAFT PULLER

James H. Albright, Seattle, Wash.
Application August 19, 1947, Serial No. 769,448
1 Claim. (Cl. 294-103)



A shaft puller comprising an elongated, puller tube of relatively small diameter, open to its full length and formed at its inner end with a short, gradually curved lateral bend, a cylindrically curved jaw plate fixed upon the inner end portion of said tube across the said lateral bend thereof and with one side edge even with the end of the tube; said plate providing a cylindrically curved seat, that faces away from the tube and is parallel thereto, and adapted to receive thereagainst one side of a shaft that is parallel to the puller tube, a cable slidably contained within the tube and having its inner end portion extended from the inner open end of the tube, then transversely across the plate seat and secured at its end to the plate at the under side, thus providing a shaft gripping loop, and means at the outer end of the puller tube attached to the cable for applying tension thereto to tighten the loop against a shaft that may be received against the seat beneath the cable loop.

2,624,613

AUTOMOBILE SEAT LOCK

Lyle E. Parmely, Columbus, Ohio
Application February 19, 1949, Serial No. 77,353
9 Claims. (Cl. 296-65)



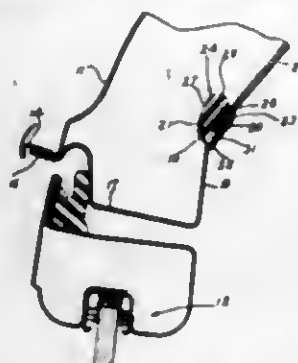
1. In a vehicle having a door and a seat adjacent thereto, the base of the seat being adjustable fore and aft, and the back of the seat being foldable forwardly on the base to provide access to and from a compartment aft of the seat, the combination with said vehicle comprising: a latch effective between the base and the back for holding the back against forward folding movement upon the base, a first resilient element for urging the latch into the operative position thereof, a member mounted on the base for inward and outward movement with respect to the vehicle interior, said member having a play connection with the latch for effecting movement of the latter from its operative position upon outward movement of the member and said play connection permitting rearward unfolding movement of the back when the member has been moved inwardly, a second resilient element for moving said member outwardly against the resistance of the first resilient element to effect release of the latch when the door is opened, and the door hav-

ing a strip engageable with the member for moving the latter inwardly when the door is closed to provide for movement of the latch into its operative position, and said strip being elongated to so engage the member in any position of fore and aft adjustment of the base.

2,624,614

VEHICLE BODY CONSTRUCTION

Clarence F. Kramer, Birmingham, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 5, 1951, Serial No. 235,218
4 Claims. (Cl. 296-137)

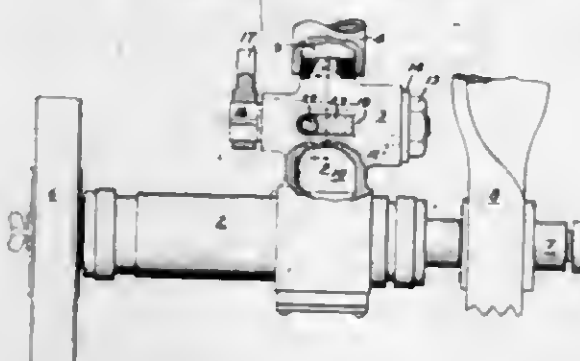


3. In combination with a motor vehicle body construction having an inner body panel comprising an upwardly extending exposed portion continuing into a short outwardly extending intermediate portion and terminating in an upwardly and inwardly extending marginal flange and an interior semi-rigid trim panel forming the interior ceiling of said motor vehicle body and having its edge portion arranged in inwardly spaced overlapping relationship to said marginal flange and generally in alignment with the exposed portion of said body panel, an elongated retainer strip of resilient material of generally S-shape, said strip having an intermediate portion integrally joined to parallel but oppositely extending upper and lower flanges by return bent interconnecting portions, the intermediate portion of said strip being positioned between the marginal flange of said body panel and the edge portion of said trim panel with the upper flange of the strip embracing the marginal flange of the body panel and the lower flange of the strip embracing the edge portion of the trim panel.

2,624,615

SPRAY APPARATUS

Milton S. Robertson, Campbell, Calif.
Application June 30, 1950, Serial No. 171,385
1 Claim. (Cl. 299-30)



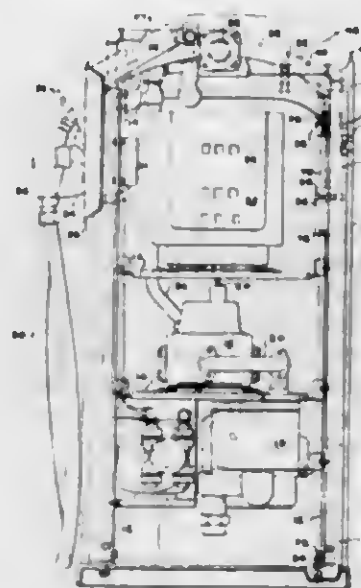
A spray apparatus comprising a rotary spray head, a body on which the spray head is journaled and having a passage through the body through which spray liquid flows to the spray head, a valve housing in said body and enclosing a feed

passage opening into said body passage, an aperture in the valve housing and opening into the feed passage, an air scoop on the valve housing around the aperture, and a valve in the valve housing to control simultaneously the flow of spray liquid through the feed passage and the flow of air from the scoop through said aperture to the feed passage.

2,624,616

HOSE SUPPORT FOR DISPENSING PUMPS

H. Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application January 8, 1948, Serial No. 1,135
1 Claim. (Cl. 299-77)



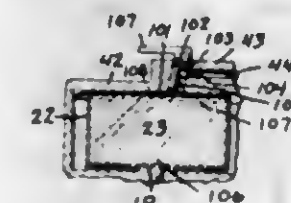
In a dispensing pump, a housing enclosing a dispensing apparatus therein, a dispensing hose having its nozzle end external of said housing and its other end connected to said dispensing apparatus internally of said housing, free running roller means in said housing spaced across the top at one side for guiding said hose as it moves in and out of the housing, a dependable loop in said hose hanging inside the side wall of said housing opposite the side from which the hose extends, a block counterweight fixedly secured to said hose on the side of the loop leading to said roller means, a guide bar extending vertically in said housing and on which said counterweight is slidably mounted for guiding said counterweight vertically while preventing rotation thereof, and a plurality of roller means in said housing spaced vertically one from the other and in alignment with the side of said depending loop leading to the first-mentioned roller means and engaged by the hose as friction free guide means for said loop during vertical movement thereof in said housing, there being a vertical frame member in the housing extending along the other side of said loop whereby the loop is constrained against swinging in said housing.

2,624,617

LATHER MIXING MACHINE

Rudolph C. Mulfinger, Sioux City, Iowa, assignor to Andis Clipper Company, Racine, Wis., a corporation of Wisconsin
Application December 7, 1946, Serial No. 714,759
3 Claims. (Cl. 299-83)

1. For use with a revoluble mounting for a cake of soap and a cake of soap supported there-



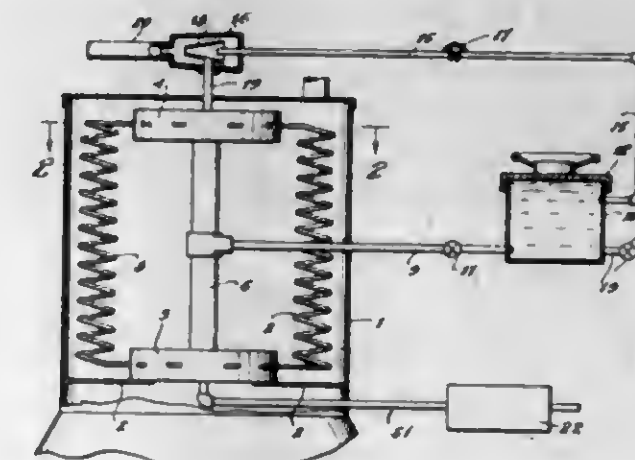
by for the purpose described, a nozzle and connections for liquid supply thereto for the projection of a jet of liquid to the soap, said nozzle be-

ing positioned and directed to project a stream of liquid toward the center of the cake of soap but at an angle to the axis of its rotation.

2,624,618

STEAM CLEANING APPARATUS

William H. Gelles, New York, N. Y., and Jacob Preston Miller, Glen Rock, N. J., assignors to Autocraft Mfg. Corp., New York, N. Y., a corporation of New York
Application February 24, 1949, Serial No. 78,144
7 Claims. (Cl. 299-84)



1. In an apparatus for cleaning surfaces, a water source, a steam generating unit, means for feeding water under pressure to the bottom of said steam generating unit, a tank receiving cleaning fluid, an ejector unit, connecting means between the outlet of the steam generating unit and inlet of the said ejector unit for feeding steam into the ejector unit, said outlet of the said steam generating unit being disposed at its top, connecting means between a hot water outlet from the steam generating unit and inlet of said fluid tank for feeding hot water from said steam generating unit to said tank, said inlet of said fluid tank being disposed at its bottom, and connecting means from the outlet of said tank to a second inlet of said ejector unit for feeding fluid solution from said tank to said ejector unit to be atomized and mixed with steam in the latter unit, said outlet of said fluid tank being disposed at its top.

2,624,619

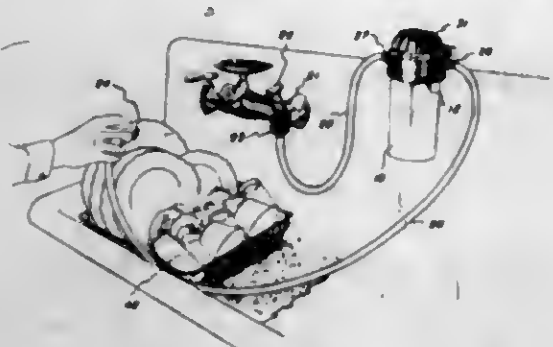
CLEANSING DEVICE

Myles W. Fletcher and Fred E. Fletcher, Atlanta, Ga.

Application September 6, 1950, Serial No. 183,392
8 Claims. (Cl. 299-84)

1. In a device of the character described in combination, a detergent container and a proportioning valve, said valve including a base member, a horizontally extending channel formed therein, a vertically extending channel bisecting

said horizontal channel, and communicating with the detergent container, a valve stem mounted in the second channel, U cup packing forming a water-tight seal between the stem and channel, a retaining ring and a gasket for holding the stem in operative position in the channel, a pair of oppositely disposed vertical slots in the sides of said stem, a central aperture in the stem communicating with said horizontal channel, and means for bringing said slots into progressively



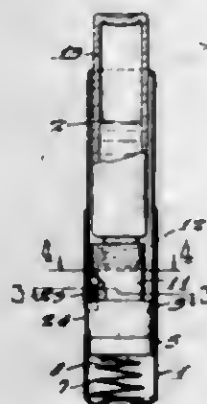
increasing or decreasing registration with a stream of fluid in the horizontal channel, and a proportional amount of said fluid directed into and out of said detergent container through said channel; hose means for introducing fluid into said horizontal channel, hose means for receiving fluid being directed from said channel and detergent container, a spray nozzle on one end of said second hose, and means for mounting the valve and detergent container on the wall of a room.

2,624,620

WITHDRAWN

2,624,621
ATOMIZER

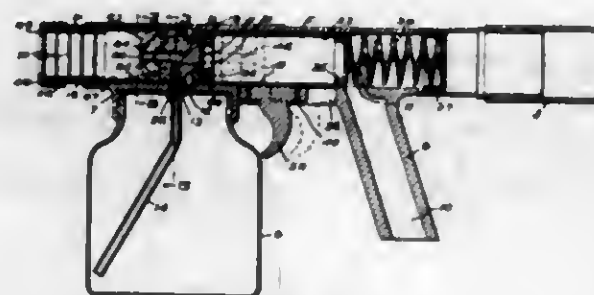
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application June 28, 1951, Serial No. 234,043
4 Claims. (Cl. 299—88)



1. In an atomizer of the type described, a casing with a side opening for spray discharge, a piston in the casing, a longitudinal groove in the side of the piston, a liquid outlet nozzle projecting from the piston upwardly into the groove and longitudinally in register with the side opening in the casing, a flange extending into the groove from the wall of the casing preventing relative turning of the piston and casing, nozzle sealing material supported by said flange, and a spring beneath the piston thrusting the piston upwardly, thereby yieldingly holding the liquid nozzle against the sealing material.

2,624,622
GUN FOR DELIVERING A DETERGENT IN
FOAM FORM

Paul C. Holte, Canton, Mass., assignor to Pullman Sales Corporation, Roxbury, Mass., a corporation of Massachusetts
Application February 4, 1950, Serial No. 142,433
6 Claims. (Cl. 299—89)



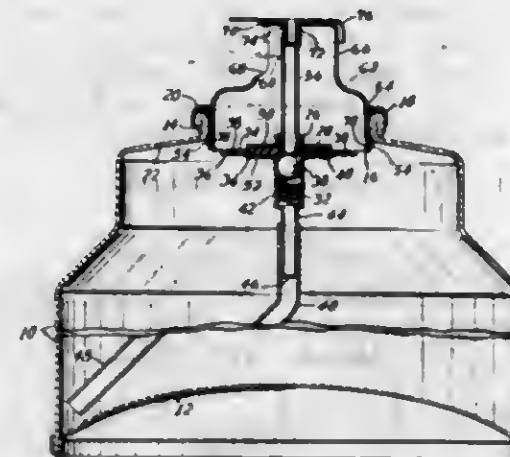
1. A gun to deliver a detergent in foam form, said gun comprising a barrel, the rear end of which is to be connected to an air source, screen means in the muzzle of said barrel, a butt adjacent the rear end of said barrel having a relief passage in communication with its interior, a mount adjacent the muzzle of said barrel to detachably support a detergent source and having a port to effect communication therebetween and the interior of the barrel, atomizing means in said barrel forwardly of said port having a port extending from front to rear thereof and including a tube extending through said mount to enter said detergent source when attached thereto and an axial seat extending rearwardly of said ports, a sleeve in the rear part of said barrel dimensioned to slidably fit therein and including an annular valve member engageable with said seat, a spring housed in said barrel rear part urging said sleeve forwardly into a first position in which said valve member engages said seat to block the flow of air through the sleeve into said ports and to space said valve member to leave said ports in communication with each other, said sleeve being of such length that in said first position said relief port is unblocked, and a trigger connected to said sleeve and slidably supported by said gun for such movement that said sleeve may be moved rearwardly into a second position blocking said relief port.

2,624,623
AEROSOL DISPENSER AND VALVE
CONSTRUCTION

G. Rudolph Saacke, Brooklyn, N. Y., assignor, by mesne assignments, to Theodore Heilig, Long Beach, N. Y.
Application November 9, 1948, Serial No. 59,107
3 Claims. (Cl. 299—95)

1. In a dispensing apparatus including a sheet metal container, a thin sheet metal cover for the container having an opening therethrough centrally of the cover, a valve structure combined with the thin metal cover and including a thin sheet metal casing means secured to the lower portion of the cover concentric to said opening, a spring and ball closure mounted in said casing below said cover for controlling the flow of fluid from the container, said sheet metal casing means including a lower tubular portion adapted to have a dip tube connected thereto, an orifice in the lower end of said tubular portion, and a cylindrical portion concentrically arranged with respect to and above said lower tubular portion and in which said spring and ball are mounted, a sealing gasket having a centrally arranged

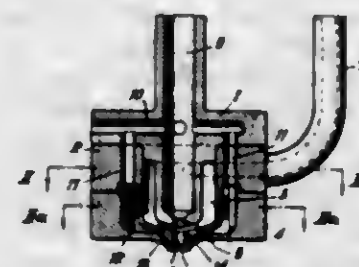
opening therethrough mounted beneath the cover inside said casing with its opening axially aligned with respect to the opening in the cover, a tubular plunger for actuating said ball having one end portion arranged in the opening in the cover and the gasket, the side wall of the tubular plunger being in sealing engagement with respect



to the wall of the opening in the gasket, said end of the tubular plunger having a passageway extending thereto for the flow of fluid material from the container when the ball is actuated by depressing the plunger, and a spray orifice connected into the opposite end portion of the plunger.

2,624,624
SPRAYER NOZZLE

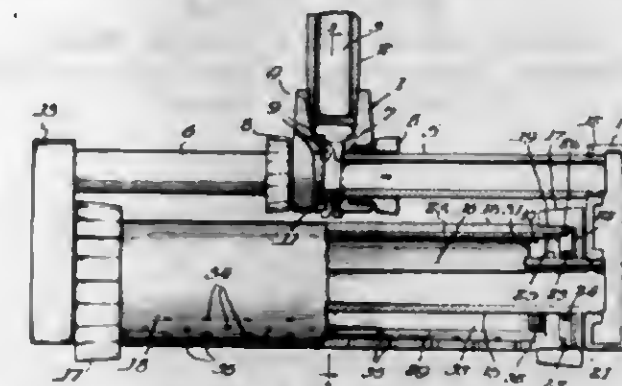
Emil Kirschbaum, Grotzingen, near Karlsruhe, Germany, assignor to Industrie Werke Karlsruhe Aktiengesellschaft, Karlsruhe, Germany
Application November 21, 1949, Serial No. 128,511
In Germany November 26, 1948
7 Claims. (Cl. 299—115)



1. In a sprayer nozzle for use in connection with spray dryers, a first body part provided with conduit means ending in a first nozzle opening for receiving and conveying a spraying medium through said nozzle opening, a second body part associated with said first body part and confining therewith channel means adjacent a portion of said conduit means near said first nozzle opening, said channel means ending in a second nozzle opening arranged in substantially axial alignment with said first nozzle opening and axially spaced therefrom, said second body part also being provided with inlet means communicating with said channel means for receiving the liquid to be dried so the said liquid can be supplied to the space between the said nozzle openings, and a third body part associated with said second body part and confining therewith a cooling chamber having means adapted to convey a cooling medium thereto, said cooling chamber including conduit means ending in a third nozzle opening at the outer edge of said second nozzle opening, said second and third nozzle openings being co-planar.

2,624,625
SHOWER HEAD

John P. Magos, Wilmette, Carl U. Larson, Berwyn, and Axel B. Nelson, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 11, 1949, Serial No. 70,254
3 Claims. (Cl. 299—144)



1. In a shower head comprising a rotatable substantially cylindrical member having longitudinally extending rows of selectively positioned apertures, a substantially T-formed fitting spaced apart from the cylindrical member and having an inlet and a plurality of diverging outlets therefrom, the latter including portions of tubular form rotatably mounted in the ends of the T-formed fitting, an inner longitudinally slotted tubular member cooperating with an inner peripheral surface of the said cylindrical member, a hollow multiported fitting mounted at each end of the said tubular portions in communication with the said tubular outlets, the latter hollow fitting having common bearing means to permit rotation of the said cylindrical member relative to the inner slotted tubular member whereby the rows of apertures of the cylindrical member are selectively in communication with the longitudinal slot of the inner slotted tubular member upon predetermined rotation of the cylindrical member.

2,624,626
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application August 7, 1948, Serial No. 43,062
11 Claims. (Cl. 301—37)

1. In a cover structure for a wheel including a flanged tire rim and body parts, a circular cover having an upturned outer peripheral edge and four cushioning and centering elements extending axially rearwardly from the edge and comprising arcuate hollow segments each having a

yieldable tip for cam-like engagement with a rim flange to center and resiliently support the cover on a wheel, said cover having central means projecting rearwardly for snap-on cover retaining engagement with wheel-carried cover retaining means.

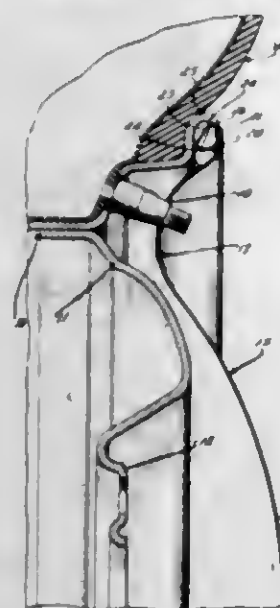
2,624,627

WHEEL COVER

George Albert Lyon, Detroit, Mich.

Application September 14, 1948, Serial No. 49,237

5 Claims. (Cl. 301-37)



1. As an article of manufacture, a wheel trim for an outer side of a wheel comprising a circular member having an underturned outer peripheral edge terminating in four equidistantly spaced retaining fingers at the corners of a blank from which the trim is made, each of said fingers forming with said edge a U-shaped configuration in a radial direction with a free leg rearwardly, and which leg has a free extremity extending generally radially and axially outwardly for gripping engagement with an outer marginal flange of the wheel tire rim, each of said fingers comprising a rounded teat-like portion with the gripping portion at the peak of the same.

2,624,628

WHEEL COVER

George Albert Lyon, Detroit, Mich.

Application September 14, 1948, Serial No. 49,240

4 Claims. (Cl. 301-37)



1. In a vehicle wheel structure including body and tire rim portions and with the tire rim

portion having an intermediate generally axially extending flange, the cover including a portion thereof for overlying the tire rim and having an underturned marginal flange extending generally radially inwardly and axially inwardly, the axially inner portion of the flange having a uniform series of scallop-like projections, said projections being turned generally radially outwardly and providing retaining fingers retainingly engageable with the axial intermediate flange of the tire rim for retaining the cover on the wheel, each of said scallop-like portions of the cover flange having a stiffening bead therein to improve the resiliency thereof.

2,624,629

WHEEL COVER

George Albert Lyon, Detroit, Mich.

Application December 23, 1948, Serial No. 66,930

13 Claims. (Cl. 301-37)



1. In a wheel structure including a tire rim and a supporting body part having a central dished bolt-on flange with retaining bolts for attaching the same to a part of a vehicle axle, a cover for the other side of the wheel including an annular portion for substantially covering the tire rim and the wheel body and having a central bolt-on flange nested within and attached to the bolt-on flange of the wheel body, said cover member having a plurality of hub cap retaining elements thereon, and a hub cap supported in snap-on, pry-off relation on said cover member by said retaining elements, said cover member having an annular rib projecting from the surface thereof in radially spaced adjacency to the edge of the hub cap and protruding sufficiently from the surface of the radially outer portion of the cover member for the application of a pry-off tool for removal of the hub cap and fulcrumed on the rib in applying pry-off force to the hub cap.

2,624,630

WHEEL COVER

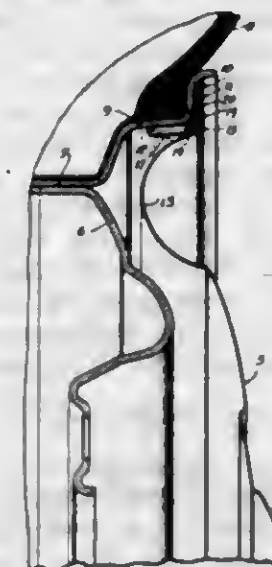
George Albert Lyon, Detroit, Mich.

Application January 26, 1949, Serial No. 72,979

12 Claims. (Cl. 301-37)

1. In a wheel structure including a tire rim of the multi-flange type and a wheel body, a cover for the outer side of the wheel including a marginal retaining flange structure comprising a plurality of retaining fingers at predetermined intervals about the periphery of the cover for engagement with a part of the tire rim and thereby retaining the cover on the wheel, said retaining fingers being spaced apart, and limit tabs pro-

jecting from the marginal flange intermediate said fingers for engaging against the tire rim to



limit the axially inward disposition of the cover on the wheel.

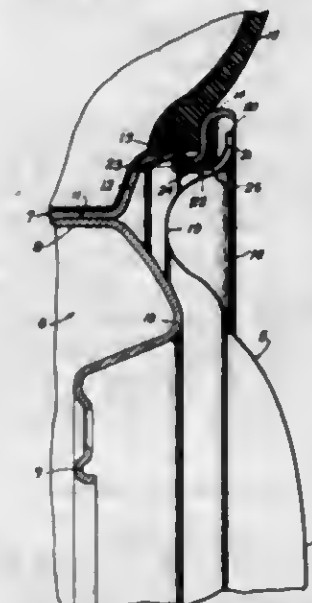
2,624,631

WHEEL COVER

George Albert Lyon, Detroit, Mich.

Application January 26, 1949, Serial No. 72,980

12 Claims. (Cl. 301-37)



1. In a wheel structure including a multi-flange tire rim and a load-sustaining body part, a wheel cover for substantially concealing the outer side of the wheel and including a marginal underturned flange having a series of inwardly projecting retaining extensions, each of which has an outwardly curled retaining bead engageable behind an annular radially inwardly protruding retaining rib on the tire rim, and a series of inwardly projecting shorter extensions on said flange engaging axially outwardly of the tire rim rib to maintain the retaining extensions in tensioned engagement with the inner side of the rib and to hold the cover in spaced relation to the outer side of the wheel.

2,624,632

WHEEL COVER

George Albert Lyon, Detroit, Mich.

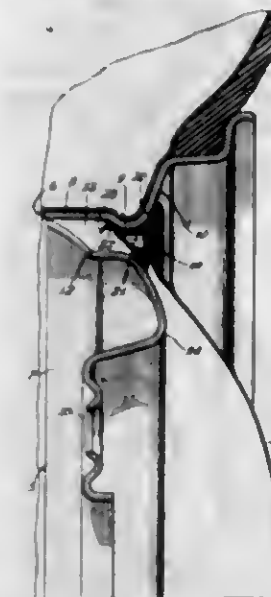
Application February 15, 1949, Serial No. 76,478

6 Claims. (Cl. 301-37)

1. In a wheel structure including a wheel body and a tire rim, wherein the wheel body has open-

666 O. G.-15

ings at the juncture with the tire rim and the tire rim has cover retaining radially inwardly protruding means at the wheel openings, a cover member comprising a one-piece sheet material disk having at the margin thereof a plurality of underturned and generally axially inwardly ex-



tending retaining spring fingers, said spring fingers being engageable in snap-on pry-off relation with said protruding retaining means and extending into the wheel openings, the margin of the cover axially outwardly from said fingers bearing against the side flange of the tire rim.

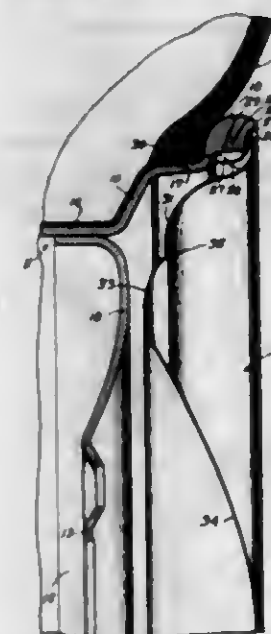
2,624,633

WHEEL STRUCTURE

George Albert Lyon, Detroit, Mich.

Application February 15, 1949, Serial No. 76,480

6 Claims. (Cl. 301-37)

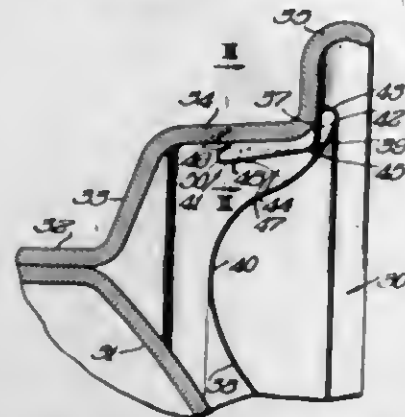


1. A wheel structure including a wheel body of stamped sheet metal and a tire rim formed as a rolled section having base, side and intermediate flanges of substantially uniform cross-section substantially approximating the gauge of the sheet metal of the wheel body and a substantially thickened outer terminal flange in one piece therewith and having greatly increased unit mass to afford balancing inertia mass at the periphery of the wheel, said terminal flange having an axially outwardly protruding terminal rib and an inset radially inner axially outwardly facing shoulder receptive of the margin of a wheel cover as well as a continuous annular shoulder at the

base thereof adjacent to and extending to a substantial extent axially outwardly from juncture with the remainder of the tire rim for co-operation with retaining means on the wheel cover.

2,624,634
WHEEL COVER

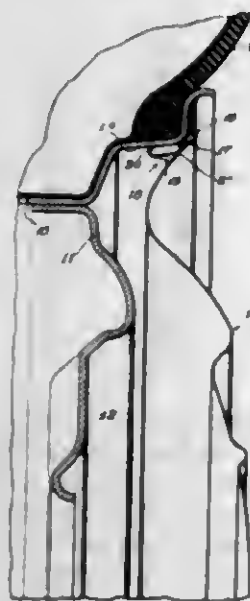
George Albert Lyon, Detroit, Mich.
Application April 27, 1951, Serial No. 223,416
8 Claims. (Cl. 301-37)



1. A circular wheel cover having a peripheral turned margin provided with a generally axially rearwardly extending continuous circular flange, said axial flange having arcuate spaced cut away sections alternating with rearwardly extending cover retaining portions all connected together in said continuous flange, each of said portions terminating in a turned radially extending stiff edge of relatively narrow width in a radial direction, each of said axial flange portions being resiliently yieldable in a radial direction upon its stiff edge engaging the wheel and when thus stressed applying resilient pressure to hold the edge in resilient gripping engagement with the wheel.

2,624,635
WHEEL COVER

George Albert Lyon, Jr., Detroit, Mich.
Application September 20, 1951, Serial No. 247,476
1 Claim. (Cl. 301-37)

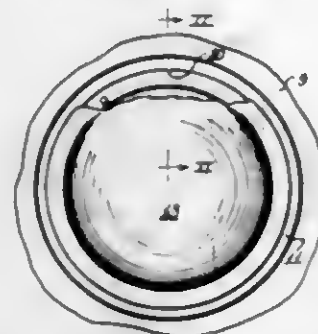


In a cover structure for a wheel including a multi-flanged tire rim supported on a body member, a circular cover for disposition on the outer side of the wheel over the junction of the rim and body member and including an outer concave-convex margin having therebehind a plurality of circumferentially spaced resilient axially

rearwardly projecting retaining fingers for engagement with a flange of the rim, said fingers comprising a part of a flange at the back side of said margin of the cover and each including an axially projecting portion terminating in an edge portion inclined radially outwardly over the axial finger portion for retaining wedged engagement with the rim flange, said finger edges upon engagement with the rim flange tightly wedging an intermediate portion of each finger between its edge and said cover flange against the back convex surface of the cover margin so as to be backed up thereby, the remaining portions of the finger on both sides of said intermediate portion being spaced from the cover.

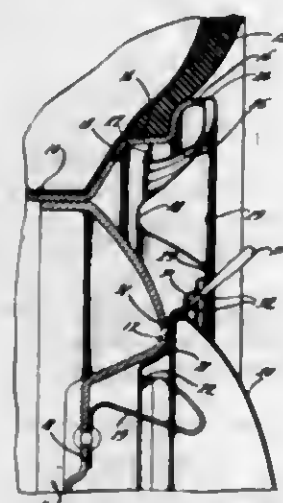
2,624,636
WHEEL STRUCTURE

George Albert Lyon, Detroit, Mich.
Application December 20, 1951, Serial No. 262,585
4 Claims. (Cl. 301-37)



1. In a vehicle wheel including a generally axially extending annular part, a circular wheel cover for the outer side of the wheel including retaining fingers having generally radially extending terminal portions grippingly engageable with said generally axially extending part of the wheel for retaining the cover against axial displacement, and the axially extending part of the wheel provided with a generally axially extending rib, one of said fingers generally wrappingly engaging said rib.

2,624,637
WHEEL TRIM ASSEMBLY
George Albert Lyon, Detroit, Mich.
Application September 30, 1947, Serial No. 776,975
10 Claims. (Cl. 301-37)

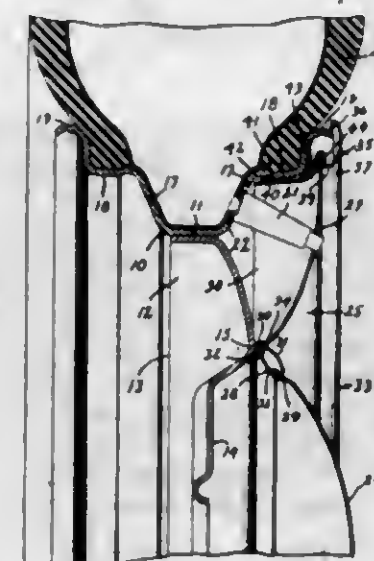


1. A wheel trim member adapted to be applied to the outer side of a wheel including a body portion and a multi-flanged tire rim, the trim member including means for self-attachment to the tire rim in concealing relation to the tire rim and

a portion engageable with the wheel body and arranged to be clamped to the wheel body by a hub cap applied thereto, the trim member having a pry-off shoulder for fulcruming a pry-off tool thereagainst in dislodging the hub cap, the pry-off shoulder occupying but a limited annular area of the body portion adjacent to the portion to be clamped by the hub cap and having a face directed generally toward the position occupied by the hub cap and comprising a series of corrugations.

2,624,638
WHEEL COVER

George Albert Lyon, Detroit, Mich.
Original application November 1, 1943, Serial No. 508,468, now Patent No. 2,443,626, dated June 22, 1948. Divided and this application November 20, 1947, Serial No. 787,105
12 Claims. (Cl. 301-37)

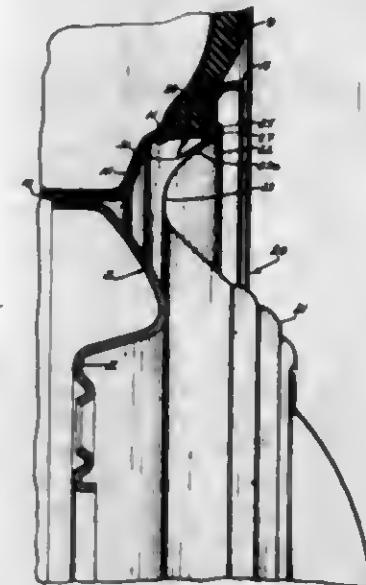


1. For disposition over the outer side of a wheel structure having a tire rim and a central load bearing portion, a resiliently flexible circular cover having a margin adapted to be disposed adjacent to the edge portion of the tire rim, said margin having a generally axially inwardly extending part retainingly engageable with the tire rim, and including on said part a radially extending portion, and an annular reinforcing ornamental and concealing bead member having an underturned margin interlockingly engaging with said radial portion and extending generally radially in concealing relation to said radial portion.

2,624,639
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application December 12, 1947, Serial No. 791,305
7 Claims. (Cl. 301-37)

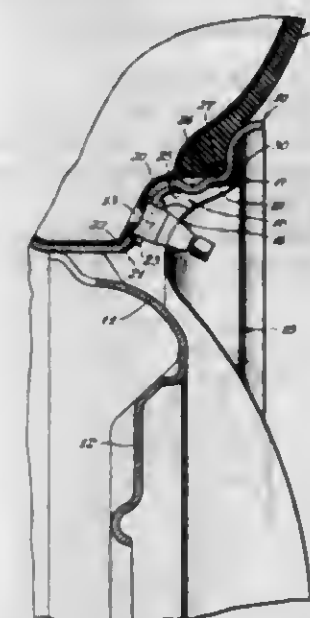
1. As an article of manufacture, a circular sheet metal wheel cover having a dishd radially outer portion terminating in an under-turned peripheral edge and retaining means for detachably fastening the cover to the wheel, comprising a circular ring behind the dishd cover portion with an outer peripheral edge interlocked to the cover by said cover underturned edge and bearing on and being backed up by the dishd portion adjacent said interlocked edges, said ring being inclined axially and radially inwardly from said backing and having as continuation of its inner peripheral margin a plurality of circumferentially spaced resiliently flexible retaining finger extensions, said finger extensions terminating in an angular extremity inclined generally radially out-

wardly divergently relative to the finger extensions for resiliently tensioned retaining gripping engagement at their tips with a wheel flange, said angular fingers being resiliently deflectable relative to said backing to bring the finger extension



portions of the ring into engagement with the back of the dishd portion adjacent to juncture of the extensions with the ring to back-up the resilient gripping engagement of the wheel flange by the fingers.

2,624,640
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application August 7, 1948, Serial No. 43,061
6 Claims. (Cl. 301-37)

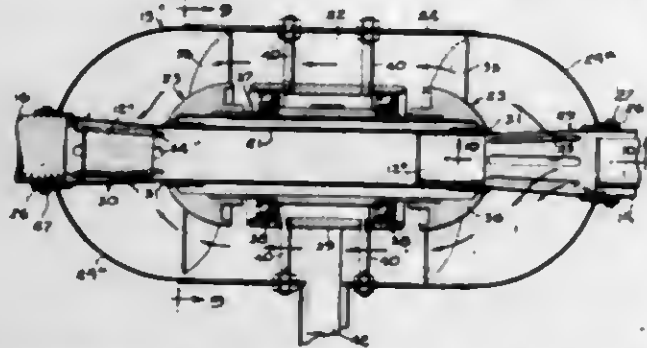


1. In a cover structure for a wheel including body and flanged tire rim parts with radially inwardly projecting spaced cover retaining bumps on an axial flange of the rim part, a cover comprising a circular member having an underturned outer peripheral edge with spaced rearwardly projecting retaining elements extending axially and radially inwardly from said edge, said elements each including a generally axial portion defining a socket for receiving a bump as the element is resiliently cammed rearwardly over the bump in the pushing of the cover onto the wheel, one of said elements also having an aperture through which a wheel valve stem can project.

2,624,641

CAN DISPATCHING APPARATUS

Clarence J. Smith, Rockford, Ill.

Application September 29, 1949, Serial No. 118,591
12 Claims. (Cl. 302-2)

1. Apparatus for transferring cans having, in combination, an elongated stationary tube of an internal diameter slightly larger than the cans to be transferred, inlet and outlet pipes of larger internal diameter than said cans with their adjacent ends axially aligned with and spaced outwardly from opposite ends of the tube, tubular couplings each connecting one end of said tube to the adjacent pipe apertured for the free flow of air laterally into or out of the tube, a casing surrounding said tube and contracted at its ends around the outermost ends of said couplings whereby to provide a passage extending along the exterior of said tube from one end of said casing to the other, a tubular shaft surrounding said tube, means mounted within said casing and rotatably supporting said shaft, an impeller fast on said shaft and mounted in said passage to rotate about the axis of said tube and induce a flow of air longitudinally through said passage, a rotary power actuator disposed externally of said casing, and a belt driven by said actuator and driving said shaft.

2,624,642

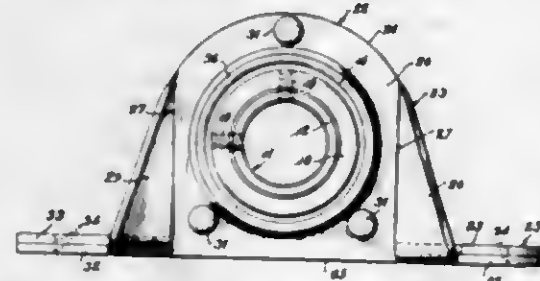
JOURNAL BOX LID

Emil H. Blattner, Buffalo, N. Y., assignor to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland

Application May 24, 1950, Serial No. 163,893
5 Claims. (Cl. 308-47)

1. In a journal box lid of a type having a pivotal connection to a hinge lug provided with vertically and horizontally arranged faces and a spring within said lid and having coil portions joined by an upwardly directed loop, the improvement comprising a slipper pivotally mounted on said loop and having a plurality of angularly arranged surfaces spaced a predetermined distance from said loop, one of said surfaces being arranged to contact said faces to retain said lid in

open or closed position and turn about said lug on said loop during movement of said lid between said positions, and another of said surfaces being presentable for contact with said faces on wear of said one surface by rotation of said slipper about said loop.

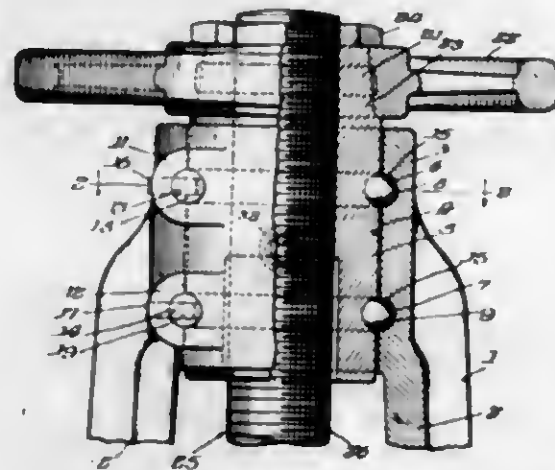
2,624,643
BEARINGRalph E. Baumheckel, Connersville, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application November 15, 1951, Serial No. 256,472
10 Claims. (Cl. 308-194)

1. A pillow block bearing, comprising a housing formed of a pair of rigidly connected, one-piece pressed steel members, one of said members having a flat body portion, a pair of mounting pads, and a pair of bracing webs extending diagonally outwardly from the opposite edges of the flat body portion to the mounting pads, the other of said members having a flat body portion in face contact with the body portion of the first mentioned member, said flat body portions having peripherally flanged, aligned openings collectively forming an annular bearing seat, and a bearing unit mounted in said seat.

2,624,644

VALVE ACTUATING MECHANISM

Corwin W. Bryant, Downers Grove, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application July 31, 1947, Serial No. 765,118
1 Claim. (Cl. 308-198)

In valve actuating means, the combination comprising a stationary member including a yoke hub, a rotatable member mounted in fixed axial relation within said yoke hub, means for retaining said rotatable member against longitudinal movement, the said latter means comprising inner and outer complementary annular recesses respectively in said rotatable member and in said yoke hub, anti-friction means inserted substantially tangentially within said recesses for rotational movement within said recesses when the said rotatable member is moved, non-rotatable plug means predeterminedly fixed for retaining said

anti-friction means, the said plug means having a plain cylindrical surface and an inner arcuately curved end wall portion coinciding with and forming a continuation of the outer one of the annular recesses of the yoke hub and being detachably secured to the said yoke hub.

2,624,645

FRACTURED OUTER RACE FOR ANTI-FRICTION BEARINGS

Byron T. Virtue, Litchfield, Conn., assignor to The Torrington Company, Torrington, Conn., a corporation of Maine

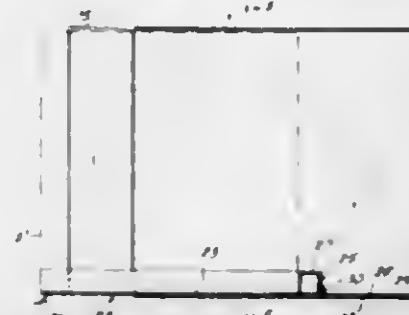
Application May 3, 1951, Serial No. 224,403
2 Claims. (Cl. 308-216)

1. A bearing race consisting of semi-cylindrical sections having mating surfaces formed by fracturing the bearing longitudinally thereof in a substantially diametrical plane, said sections having a circumferential groove with inwardly tapering side walls, and a split ring dimensioned so as to engage said tapered side walls of the grooves at opposed lines of contact for maintaining said sections in axial alignment and in mating contact.

2,624,646

PHONOGRAPH RECORD HOUSING

Louis Sukoff, Jamaica, N. Y., assignor to Imperial Paper Box Corporation, Brooklyn, N. Y., a corporation of New York

Application July 28, 1949, Serial No. 107,322
1 Claim. (Cl. 312-12)

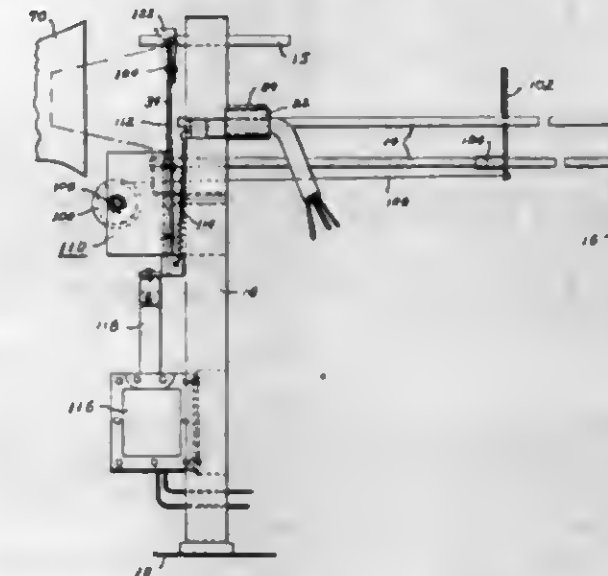
A phonograph record housing having a front opening and arranged to receive a plurality of records encased in individual envelopes and comprising a generally rectangular upright structure of substantially the same height as said envelopes and formed with top and bottom walls, opposed side walls, a back wall and a front wall hinged along one vertical edge thereof to the front edge of one side wall, an inner wall section carried by said front wall and having side flanges which engage the marginal edges of the opening, a shelf which is wholly receivable in the housing and which is arranged for sliding movement on the lower wall thereof, such shelf having a lower wall, and end wall and shallow side walls and provided with a hollow, transverse reinforcing wall adjacent its rearward end wall which is square in transverse section and which also limits inward movement of the envelopes relative to the shelf, and means limiting outward movement of the shelf in the housing comprising a flexible strap secured at one end to the shelf end wall and at

the other end to the housing adjacent the rear wall, such strap being substantially one-third the length of the housing.

2,624,647

CUP DISPENSER

David E. Lawson, Cleveland, Ohio, assignor to Hupp Corporation, Cleveland, Ohio, a corporation of Virginia

Application December 17, 1948, Serial No. 65,787
1 Claim. (Cl. 312-44)

In a cup dispensing device, a frame, a plurality of horizontally disposed rods carried by said frame for supporting a succession of horizontally arranged cups to be dispensed, means for urging said cups toward dispensing position, said last named means comprising a first member arranged to slide on said rods and a spring loaded reel mechanism carried by said frame for biasing said first member against the last one of the cups in said succession, first means slidably mounted on said frame for vertical movement relative to said frame for restraining the leading one of said cups from being dispensed, second restraining means attached to said first restraining means and having a portion arranged in spaced relationship to said first restraining means and movable into position to restrain the next succeeding cup as said first restraining means moves out of cup restraining position, said second restraining means comprising a vertically movable wedge operable between portions of the two leading cups so as to forcefully separate the leading cup from the next succeeding cup so as to dispense the same, an electric solenoid having a vertically moving armature connected to said first restraining means whereby energization of said solenoid causes the leading one of said cups to be given a quick shove horizontally, and a cup delivery chute positioned adjacent the restraining means, said chute having its inlet end horizontally disposed adjacent one end of said succession of cups so that its inlet receives the cup projected by the wedge, said chute having its other end vertically disposed for delivering cups at a point remote from said succession of cups in an upright position.

2,624,648

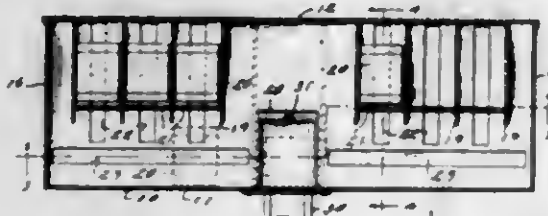
PACKAGE DISPENSER

Henry Purl Compton, Abilene, Tex.

Application December 29, 1950, Serial No. 203,404
2 Claims. (Cl. 312-67)

1. A package dispensing machine comprising an upright housing, an inner bottom in said housing above the lower end thereof, a plurality of

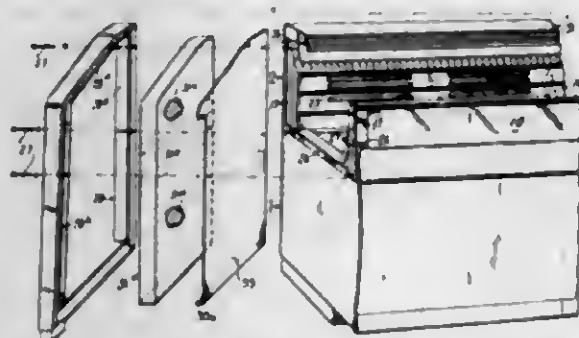
upright partitions between said inner bottom and the top of said housing, said inner bottom having a forwardly extending slot between each pair of partitions and also having an elongated longitudinal slot disposed at right angles to said first named slots, and a delivery receptacle slidably carried by said housing at one end of said longi-



tudinal slot and disposed below the plane of said inner bottom wall, said housing having an opening in the front wall thereof whereby a hand may be extended below said inner bottom wall and a finger inserted in one of said slots for moving a package over said bottom wall, to a position above said delivery receptacle.

2,624,649

SECTIONAL REFRIGERATED DISPLAY CASE
David J. Grelling, Kendallville, Ind., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind., a corporation of Indiana
Application April 13, 1950, Serial No. 155,735
3 Claims. (Cl. 312-107)



1. A refrigerated display case having an upper display compartment open at least at one end of the case, and an end member for attaching to the open end of the case to close the open end of said compartment, said member comprising a frame of a shape corresponding to the end shape of the case, a panel plate closing the outer side of said frame, an insulation batt disposed within the frame and against the inner side of said panel and comprising upper, lower and intermediate sections of insulation material with the intermediate member of hard board-like material and positioned to extend across the lower marginal edge wall portion of the display compartment open end, a closure plate attached to the frame at its inner side and retaining said batt in position therein, means for releasably attaching the end member to the case end in closing relation to the display compartment end, and means for insulatingly sealing said closure plate at its exposed side relative to the end member against the case end marginally of the open compartment end and having a portion opposed to said intermediate batt section.

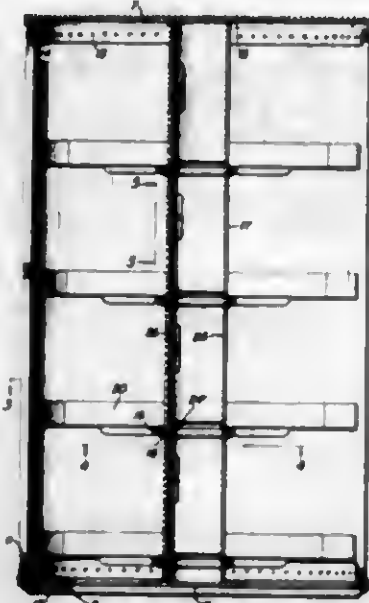
2,624,650

FILE CABINET

Marta Pérez de Perales, San Antonio, Tex.
Application February 27, 1950, Serial No. 146,600
1 Claim. (Cl. 312-305)

A rotary file cabinet comprising a stationary shell, a door, means slidably mounting the door

in the shell, a vertical hollow post having a side opening, means mounting said post centrally in said shell in fixed position, a horizontal partition in the post forming a compartment therein accessible through said opening, an annular shelf surrounding said post at substantially the level of the bottom of the compartment, means ro-

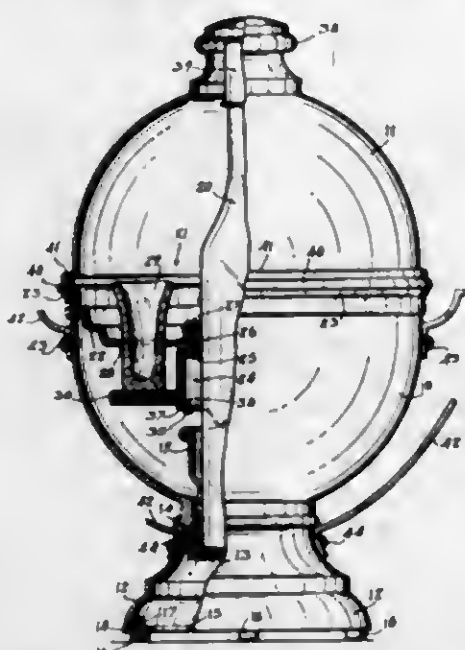


tatably supporting said shelf on said post for rotation by a hand inserted through said door, and radial partitions on said shelf dividing the same into article-receiving compartments rotatable selectively by rotation of said shelf into position opposite said opening for transfer of articles from the selected compartment into the first-named compartment.

2,624,651

REVOLVING TRAY FOR WHISKEY BOTTLES AND GLASSES

Joseph Di Bari, Brooklyn, N. Y.
Application June 29, 1949, Serial No. 102,063
3 Claims. (Cl. 312-351)



2. A holder for glasses and a bottle comprising a base, a bottom receptacle mounted on said base and having a recessed portion extended into said base for receiving the bottom of a bottle to position the same concentrically of said receptacle, a tray for engagement about the bottle and having its outer periphery resting on the upper edge of said bottom receptacle and extending slightly beyond the outer circumference of the upper edge of said bottom receptacle, and

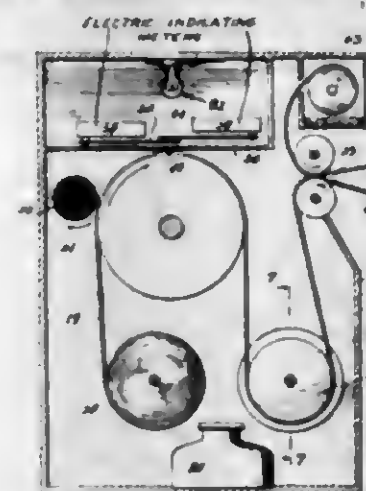
a top cover for engagement over the top of the bottle and having a plurality of concentric shoulders, the first and outer most of said shoulders being arranged to engage the outer periphery of said tray and the other of said shoulders being arranged to engage the upper edge of said bottom receptacle when said tray is removed from said bottom receptacle.

2,624,652

GRAPHIC RECORDING

Chester F. Carlson, New York, N. Y.
Application October 11, 1944, Serial No. 558,252
5 Claims. (Cl. 346-74)

5. The method of graphic recording which comprises applying an electrostatic image on a layer of sheet material and developing said electrostatic image which comprises forming a channel of said sheet, with the surface carrying said image concave, and tumbling a powder mass in-



the inclination to the horizontal of various portions of said surface.

CHEMICAL

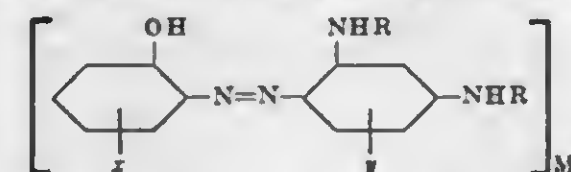
2,624,653

METALLIZED ORTHO-HYDROXY, ORTHO-AMINO MONOAZO DYESTUFFS AND THEIR USE IN DYEING NYLON

Heinrich H. Besthorn, Easton, Pa., and Jack F. Morgan, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 3, 1947,
Serial No. 789,558

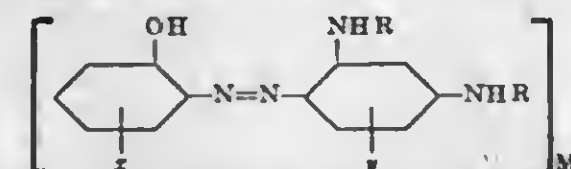
4 Claims. (Cl. 8-42)

1. A metallized ortho-hydroxy, ortho-amino monoazo dyestuff of the general formula:



wherein R is a member selected from the group consisting of hydrogen and the carboxyalkyl radicals, carboxymethyl, 2-carboxyethyl and 3-carboxypropyl, R being only once the carboxyalkyl radical, x is a member selected from the group consisting of hydrogen and the lower alkyl, lower alkoxy, halogen and nitro radicals, y is a member selected from the group consisting of hydrogen and the alkyl and alkoxy radicals, and Me is a metal in complex combination with the azo bridge and selected from the group consisting of copper, cobalt and nickel.

4. A method for dyeing nylon which comprises applying thereto in a slightly acid bath a metallized ortho-hydroxy, ortho-amino monoazo dyestuff of the general formula:



wherein R is a member selected from the group consisting of hydrogen and the carboxyalkyl radicals, carboxymethyl, 2-carboxyethyl and 3-carboxypropyl, R being only once the carboxyalkyl radical, x is a member selected from the group consisting of hydrogen and the lower alkyl, lower alkoxy, halogen and nitro radicals, y is a member selected from the group consisting of hydrogen and the alkyl and alkoxy radicals, and

Me is a metal in complex combination with the azo bridge and selected from the group consisting of copper, cobalt and nickel.

2,624,654

METHOD OF MAKING PURIFIED BRINE

Alfred Hirsch, Painesville, Ohio, assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 3, 1949,
Serial No. 97,095

6 Claims. (Cl. 23-42)

1. The method of making a substantially saturated sodium chloride brine from solid sodium chloride contaminated with impurities including sulfate, calcium, and magnesium salts, which brine contains reduced amounts of said impurities, which includes the steps of contacting a body of such contaminated solid salt with a solution of calcium hydroxide in water, dissolving said salt therein until sodium chloride saturation is obtained, removing the salt-containing solution from contact with said solid salt and impurities, introducing a calcium precipitating agent into said solution to precipitate a calcium salt from said solution, and separating said calcium salt from said solution.

2,624,655

STABLE AQUEOUS HYDROGEN PEROXIDE AND METHOD OF PREPARING SAME

Frank P. Greenspan, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.

No Drawing. Application October 13, 1949,
Serial No. 121,220

12 Claims. (Cl. 23-207.5)

1. A stable aqueous hydrogen peroxide solution containing a pyridine carboxylic acid in stabilizing amounts 5 to 1000 parts per million.

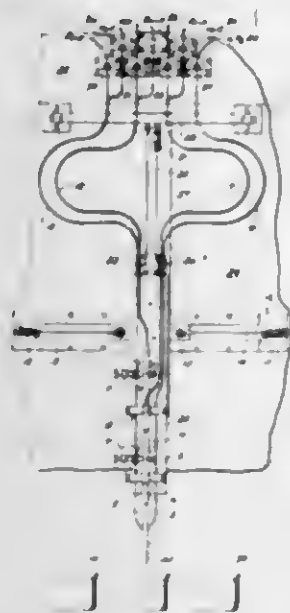
2,624,656

REMOTE CONTROL PIPETTING UNIT

Harry C. Andrews, Denver, Colo., and John F. Gifford, Richland, Wash., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 28, 1946, Serial No. 657,633
1 Claim. (Cl. 23-259)

A remotely controllable pipette assembly comprising a vertically and horizontally movable car-

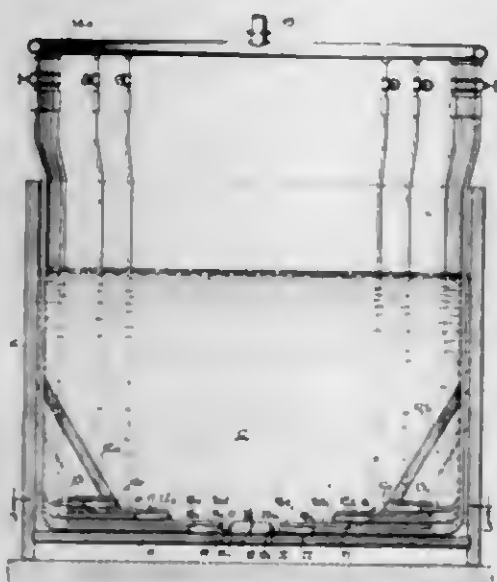
riage having a pipette adjustably mounted thereon, cable and pulley means arranged for vertically moving said carriage controllable from a remote point, cable and pulley means for horizontally moving said carriage also controllable from a



remote point, a long flexible conduit connecting the pipette with stationary pressure controlling means to control the pressure within the pipette and to thereby control the flow of liquids to and from said pipette, and flexible conduit means for supplying liquids to said pipette.

2,624,657

SUBMERGED BLAST REACTION TANK
Philip Kenneth Anderson, Rahway, N. J., assignor to The American Metal Company, Ltd., New York, N. Y., a corporation of New York
Application March 12, 1947, Serial No. 734,014
3 Claims. (Cl. 23-271)

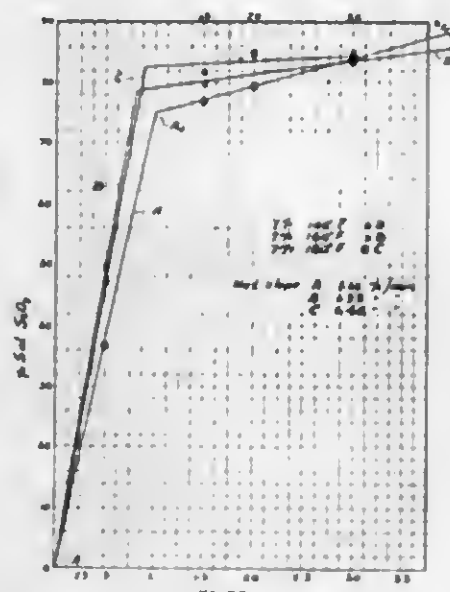


1. In a reaction tank for containing a liquor, a bottom comprising two sets of steps, each step having a face and a substantially horizontal tread, said sets of steps being disposed to face one another and extending to the tank perimeter, a plurality of substantially horizontal nozzles associated with the face of each step and constructed and arranged for directing a gaseous substance in a sweeping action across substantially the entire area of the tread of such step and toward the opposite set of steps, said nozzles being substantially uniformly positioned along the length of such face, means for supplying such gaseous substance under pressure to such nozzles, the latter being directly connected to

such supply means, the regions surrounding said nozzles within said tank being free of partitions and obstructions thereby to permit solids to fall free of interruption onto such steps, the aggregate of the horizontal internal dimensions of the orifices of said nozzles positioned in each tread being not less than about 50% of the total length of the step face.

2,624,658

METHOD FOR FORMING SILICA FIBERS
Leon Parker, Glendale, and Bonnie Jean Zack, Compton, Calif., assignors to The H. I. Thompson Company, Los Angeles, Calif., a corporation of California
Application August 8, 1949, Serial No. 109,206
15 Claims. (Cl. 41-42)



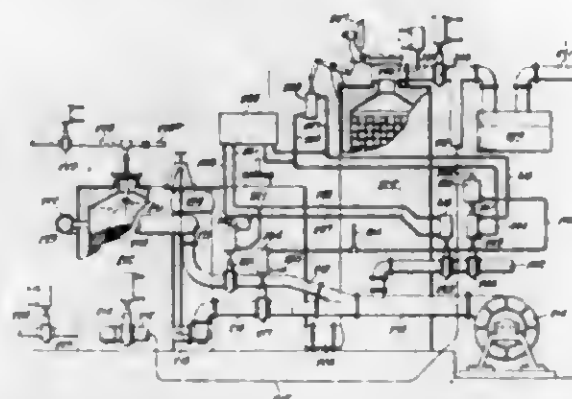
1. A process for leaching glass fibers, which comprises leaching glass fibers with an acid solution at a leaching temperature to remove the non-siliceous metal oxides from the glass fibers and to convert vitreous silica into sodium carbonate soluble silica, continuing the leaching until the content of sodium carbonate soluble silica in the leached fibers, when calculated on a volatile free basis, is in excess of 30% and less than 89%, interrupting the leaching of said fibers, and washing said leached fibers.

2,624,659

COMPENSATING BLAST CONTROL DEVICE
John S. Haug, Chestnut Hill, Pa., and Charles A. Mengers, Oaklyn, N. J., assignors to United Engineers & Constructors Inc., Philadelphia, Pa., a corporation of Delaware
Application April 11, 1946, Serial No. 661,316
18 Claims. (Cl. 48-83)

9. In cyclically operated water gas apparatus having a generator adapted to contain an ignited bed of solid fuel and having air supply means for blasting the fuel bed with primary air and for burning the resulting producer gas with secondary air together with a stack valve operated by a pressure cylinder for controlling the venting of blast gases to the atmosphere, said air supply means including a secondary air conduit provided with a valve operated by a pressure cylinder for admitting and shutting off the flow of secondary air therethrough and a primary air conduit provided with valve means for admitting, regulating and shutting off the flow of primary air therethrough, and in which apparatus the rate of flow of primary air and resulting producer gas through the fuel bed tends to vary

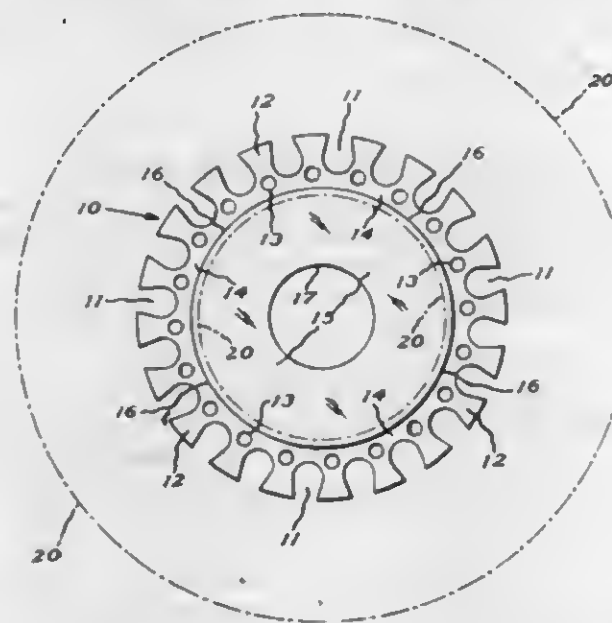
with the opening and closing of the secondary air and stack valves; the improvement which comprises power transmission mechanism operatively connected on the one hand through an additional pressure cylinder to the pressure cylinder of said secondary air valve and through another additional pressure cylinder to the pressure cylinder of said stack valve and on the



other hand to said primary air regulating valve means to effect regulating movements of said primary air regulating valve means in a flow-restrictive direction upon the closing of said secondary air valve or upon the opening of said stack valve and in a flow-releasing direction upon the opening of said secondary air valve or upon the closing of said stack valve.

2,624,660

GRINDING WHEEL
Ernest Douglas Teague, Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 7, 1950, Serial No. 183,552
In Great Britain September 29, 1949
4 Claims. (Cl. 51-298)



1. A coping wheel comprising a steel center, an annular abrasive portion of abrasive grain bonded with thermo-irreversible phenol-formaldehyde resin on the periphery of said steel center, and a layer of shellac between said abrasive portion and said steel center on both sides of said steel center, said layer being at least one thirty-second of an inch thick and said annular abrasive portion outside of the layer of shellac on both sides having a thickness at least as great as that of the layer of shellac within it.

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2,624,661

ZIRCONIUM OXIDE POLISHING MATERIAL
John B. Miller, Lewiston, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1949, Serial No. 131,041
1 Claim. (Cl. 51-309)

The process of deriving a finely divided zirconium oxide polishing agent from crude zirconium oxide containing as an impurity inflammable zirconium compound which consists in calcining said product under oxidizing conditions at a temperature of approximately 1300° C. until the product is rendered non-inflammable, thereafter dry milling said product to a particle size of less than about 44 microns and thereafter continuing size reduction by wet milling to less than 5 microns.

2,624,662

HERBICIDAL COMPOSITIONS
Floyd B. Erickson and Arthur H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 24, 1951, Serial No. 252,983
11 Claims. (Cl. 71-2.3)

1. A herbicidal composition comprising an oil-in-water emulsion of a fluorine-substituted diphenyl sulfone, said sulfone being present in said emulsion in a quantity which is toxic to plant life.

2,624,663

COMPOSITION FOR TREATING PLANTS
Anthony Thomas Centanni, Philadelphia, Pa.
Application August 28, 1947, Serial No. 771,033
2 Claims. (Cl. 71-2.4)



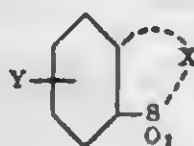
1. A composition of the character described for treating plants, comprising five parts methenamine, ten parts sodium phosphate, one part ammonium chloride, and one-fourth part iron oxide, said composition having a pH of seven plus.

2,624,664

HERBICIDES
David T. Mowry and Arthur H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 25, 1950, Serial No. 146,392
8 Claims. (Cl. 71-2.5)

1. A method for the destruction of plants which comprises applying to said plants a toxic quantity of a herbicidal composition comprising

a carrier and, as the active ingredient, a compound having the formula



in which Y is a member of the group consisting of hydrogen and the nitro group and X represents a bivalent radical necessary to complete a five-membered ring and selected from the class consisting of



wherein R is a member of the group consisting of hydrogen, chlorine and bromine.

2,624,665

HERBICIDAL COMPOSITION

Arthur H. Schlesinger, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 24, 1951,

Serial No. 252,982

4 Claims. (Cl. 71-2.5)

1. A herbicidal composition comprising an oil-in-water emulsion of dibenzothiophene-5-monoxide.

2,624,666

HERBICIDAL COMPOSITION

Milton Kosmin and Arthur H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 24, 1951,

Serial No. 252,981

4 Claims. (Cl. 71-2.7)

1. A herbicidal composition comprising an oil-in-water emulsion of bis(trichloromethyl) sulfone.

2,624,667

CARTRIDGE FOR BELOW-SURFACE TREATMENT OF MOLTEN METALS

Sam Tour, New York, N. Y., assignor to

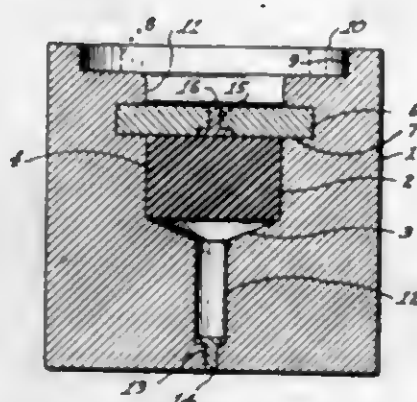
Julius S. W. Bates, Phoenix, Ariz.

Application June 29, 1950, Serial No. 171,066

6 Claims. (Cl. 75-93)

1. A cartridge for the treatment of a molten metal with a relatively small amount of an additive metal selected from the group consisting of the alkali and alkaline earth metals, consisting of a metal container defining and completely enveloping a cavity, a charge of said additive metal within said cavity, the weight of the container and charge exceeding the weight of a corresponding volume in liquid state of the metal of which the container is composed, the wall of said container defining an aperture extending between said cavity and the outside of said container, and at least one plug of fusible material of relatively small size in comparison with the size of said metal container blocking said aperture, the size of said plug being so limited that its fusion and removal will not reduce the weight of the cartridge below the weight of a corresponding

volume in liquid state of the metal of which the container is composed said plug having a melting point above that of said additive metal and



below that of the metal of which said container is composed and below the boiling point of said additive metal.

2,624,668

FERRITIC CHROMIUM STEELS

William Oakley Binder, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application January 19, 1951,

Serial No. 206,905

2 Claims. (Cl. 75-124)

1. Ferritic chromium steel containing 20% to 30% chromium; up to 0.035% carbon; up to 0.08% nitrogen, the sum of carbon and nitrogen being in excess of 0.06%; 0.25% to 3% manganese; up to 1% silicon; 0.25% to 1.5% aluminum; 0.5% to 3.5% nickel; up to 3% copper, the sum of nickel and copper not exceeding 4%; up to 3% molybdenum; the remainder iron and incidental impurities, such steel having, in the annealed condition, an average Izod impact strength of at least 25 foot pounds at room temperature.

2,624,669

FERRITIC CHROMIUM STEELS

Walter Crafts, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application January 19, 1951,

Serial No. 206,909

2 Claims. (Cl. 75-124)

1. Ferritic chromium steel containing 20% to 30% chromium; 0.25% to 1.5% aluminum; up to 0.03% carbon; up to 0.08% nitrogen, the sum of carbon and nitrogen being in excess of 0.06%; up to 2% manganese; up to 1% silicon; up to 3% molybdenum; the remainder iron and incidental impurities, such steel having, in the annealed condition, an average Izod impact strength of at least 15 foot pounds at room temperature.

2,624,670

CHROMIUM STEELS

William O. Binder and Roger A. Perkins, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application August 15, 1952,

Serial No. 304,638

2 Claims. (Cl. 75-125)

1. Steel consisting of 20% to 23% chromium; 1% to 3% nickel; 2.5% to 4.5% manganese; the

sum of nickel and manganese being less than 6%; 0.2% to 1.0% copper; 0.2% to 0.8% molybdenum; up to 1% silicon; 0.02% to 0.05% carbon; 0.02% to 0.20% nitrogen; the sum of the carbon and nitrogen contents being greater than 0.05%; the remainder iron and incidental impurities; said steel having, in the annealed condition, an average Izod impact strength of at least 50 foot-pounds at room temperature.

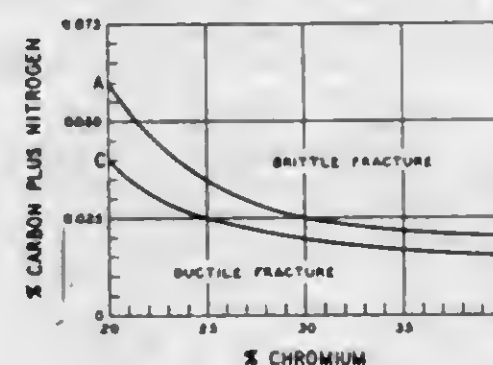
2,624,671

FERRITIC CHROMIUM STEELS

William O. Binder, Niagara Falls, N. Y., and Russell Franks, Pittsburgh, Pa., assignors to Union Carbide and Carbon Corporation, a corporation of New York

Application January 19, 1951, Serial No. 206,906

6 Claims. (Cl. 75-126)



1. A ferritic chromium steel containing 20% to 40% chromium, up to 3% nickel, up to 3% cobalt, up to 2% copper, up to 3% molybdenum, up to 3% tungsten, the remainder, except for incidental impurities, being iron, carbon and nitrogen, the sum of the carbon and nitrogen contents for a selected chromium content being no greater than the value determined by the intersection of the plot of the selected chromium content with the curve AB of the drawing, said steel having in the annealed condition an Izod impact strength of at least 18 foot pounds at room temperature.

2,624,672

PHOTOSENSITIVE PRINTING PLATE HAVING A LIGHT-SENSITIVE COATING CONSISTING OF A COLLOID, A PHOSPHATE, AND A CHROMIUM COMPOUND

Frederick H. Frost, Portland, and Frederic E. Brinnick, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application March 1, 1948,

Serial No. 12,475

7 Claims. (Cl. 95-7)

1. A photo-sensitive plate comprising a base having a planographic printing surface and a coating thereon consisting of the dried residue of an aqueous mixture consisting essentially of a light sensitive colloid comprising a protein, a water-soluble chromium compound of the group consisting of chromates and dichromates and a water-soluble phosphate a dilute aqueous solution of which has a pH value above the isoelectric point of the protein, the ratio of chromium compound to protein being within the range from 1 part of chromium compound to from 1 to 3 parts of protein and the ratio of phosphate to protein being within the range of from 15 to 50 parts of phosphate to 100 parts of protein.

2,624,673

PHOTOSENSITIVE PRINTING PLATE HAVING A LIGHT-SENSITIVE COATING CONSISTING OF A NONPROTEIN COLLOID, A PHOSPHATE, AND A CHROMIUM COMPOUND

Frederick H. Frost, Portland, and Frederic E. Brinnick, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application March 1, 1948,

Serial No. 12,476

4 Claims. (Cl. 95-7)

1. A photo-sensitive plate comprising a base having a planographic printing surface and a surface coating thereon consisting of the dried residue of an aqueous composition consisting essentially of water, a non-protein hydrophilic organic film-forming hydrocolloid of the group consisting of methyl cellulose, hydroxyethyl cellulose, sodium carboxymethyl cellulose, polyvinyl alcohol, polyvinyl pyrrolidone, sodium acrylate, gum arabic, gum ghatti and mesquite gum which is capable of being tanned by actinic radiation in the presence of ammonium dichromate, a hexavalent chromium compound of the group consisting of water-soluble chromates and dichromates, a water-soluble ionizable phosphate and from 0% to 50% by weight based on the weight of the hydrocolloid of an organic, normally liquid, non-volatile water-repellent substance of the group consisting of natural and modified animal and vegetable oils and mineral oils, the pH value of the composition being above 3.0 and the pH value of the dried coating being not greater than 9, the weight ratio of chromium compound to hydrocolloid being within the range from 1:4 to 2:1 and the phosphate being within the range from 10% to 35% of the weight of the hydrocolloid.

2,624,674

PHOTOGRAPHIC EMULSION SENSITIZED WITH GOLD COMPOUNDS AND SULFUR SENSITIZERS

Ralph G. Tarkington and Wesley G. Lowe, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 29, 1946,

Serial No. 680,514

14 Claims. (Cl. 95-7)

1. A photographic silver halide emulsion in which the carrier for the silver halide is a colloidal material selected from the group consisting of polyvinyl alcohol, hydrolyzed polyvinyl acetate containing an acetate group content equivalent to from 59 to 71 percent by weight of polyvinyl acetate, polyvinyl acetaldehyde acetals containing polyvinyl acetaldehyde acetal groups equivalent to at least 50 percent by weight of polyvinyl acetaldehyde acetal and polyvinyl alcohol hydroxyl groups equivalent to at least 15 percent by weight of polyvinyl alcohol, polyvinyl propionaldehyde acetals containing polyvinyl alcohol hydroxyl groups equivalent to from 45 to 60 percent by weight of polyvinyl alcohol, polyvinyl butyraldehyde acetals containing polyvinyl alcohol hydroxyl groups equivalent to from 60 to 80 percent by weight of polyvinyl alcohol and hydrolyzed cellulose carboxylic esters in which the acyl groups contain from 2 to 3 carbon atoms, said cellulose esters containing from 19 to 33 percent by weight of said acyl groups, sensitized with a soluble gold compound and a sulfur sensitizer, the concentration of the gold compound in the emulsion being equal to from about 0.0005 to about 0.025 per cent by mols of the silver halide

present in the emulsion, and the concentration of the sulfur sensitizer being equal to about 0.006 to about 2.5 percent by mols. of the silver halide present in the emulsion.

2,624,675

PROCESS FOR IMPROVING THE COLOR OF FERMENTED MALT BEVERAGES AND PRODUCTS OBTAINED THEREBY

James S. Wallerstein, New York, Mary Hale, Brooklyn, Ralph T. Alba, Springfield Gardens, and Hilton B. Levy, Levittown, N. Y., assignors to The Overly Biochemical Research Foundation Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 1, 1951, Serial No. 229,518

9 Claims. (Cl. 99—52)

1. In a process for the manufacture of a malted beverage of reduced color intensity, the step which comprises adding a small proportion of dihydroxyphenylalanine decarboxylase to the wort prepared from the malted grain.

2,624,676

PROCESS FOR MAKING GLACÉ OR CANDIED FRUIT

Elias R. Mako, Cleveland, Ohio
No Drawing. Application January 17, 1951, Serial No. 206,525

6 Claims. (Cl. 99—102)

1. Process of making glacé cherries, which comprises placing bleached cherries in contact with an aqueous solution containing a red dye and about 1 to about 2.2% by weight of iron-free aluminum sulfate, based on the weight of the cherries, for a period of 3 to 7 days, removing the cherries from the solution, then replacing the juice of the cherries with sugar syrup in a series of steps, the first step of which comprises placing the cherries at room temperature in contact with a syrup having a sugar concentration of about 25° Bé. for a period of one day, removing the syrup, and repeating such step a plurality of times using a more concentrated syrup each time until a syrup having a sugar concentration of 41° Bé. is employed, then raising the temperature of the cherries and syrup in contact therewith to 160–170° F., replacing the latter syrup with a 43° Bé. syrup and allowing the cherries and syrup to stand at 160–170° F., and repeating the last step using a more concentrated syrup until the cherries settle therein and the concentration of the surrounding syrup, measured at 160–170° F., falls to 40° Bé., removing the cherries from the hot syrup, washing and then glazing the same.

2,624,677

ICE CREAM CONTAINING MODIFIED GELOSE COMPOUND

Victor Charles Emilie Le Gloahec, Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Original application January 8, 1946, Serial No. 639,915. Divided and this application June 1, 1950, Serial No. 173,475

2 Claims. (Cl. 99—136)

1. An ice cream mix containing the product of reaction between a substance selected from the group consisting of alginates and caseinates of the alkaline earth and heavy metals and gelose modified by the removal of the calcium cation of

gelose and substitution in the gelose residue of a cation selected from the group consisting of sodium, potassium, ammonium and hydrogen.

2,624,678

HONEY PROCESS

Frank E. Hageman, Chico, Calif.
No Drawing. Application May 12, 1950, Serial No. 161,737

6 Claims. (Cl. 99—146)

1. The process of crisping honey that comprises the steps of; adding vinegar to the honey fermenting the honey and then heating said fermented honey to about 250° F. to 300° F., and thereafter permitting the honey to cool.

2,624,679

ADHESIVE FROM WHEY AND A METHOD OF MAKING IT

Gottfried L. Tschabold and Delbert L. Mueller, Minerva, Ohio

No Drawing. Application April 26, 1951, Serial No. 223,140

7 Claims. (Cl. 106—139)

1. The method of making an adhesive from the whey derived from cheese making, which includes neutralizing the whey, condensing the whey to about one-fifth its weight, heating the condensed whey to about 90° F., adding powdered dextrine and borax in the proportions of about 64 parts by weight of condensed whey to 30 parts dextrine and 2 parts borax, heating the mixture to about 194° F. for 30 minutes, then cooling to 160° F. and adding about 4 parts of a 50% solution of caustic soda.

2,624,680

PLASTIC PLASTICIZED WITH ALKYL ALKOXY HYDROXY STEARATES

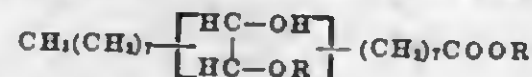
Daniel Swern, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application June 27, 1950, Serial No. 170,674

8 Claims. (Cl. 106—182)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A plastic selected from the group consisting of cellulose esters, a vinyl chloride-vinyl acetate copolymer, and mixtures thereof, plasticized with a plasticizer corresponding to the formula



wherein R is an alkyl group containing from 1 to 4 carbon atoms.

2,624,681

ENVELOPE SEAM GUM AND A METHOD OF PREPARING IT

Julius Rapp, Forest Hills, N. Y., assignor to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 21, 1949, Serial No. 117,061

12 Claims. (Cl. 106—210)

1. A dry blend consisting of about 48.75 parts by weight of a modified starch which has a water-solubles content of from about 3 to 5% and gives a 25 to 27 gram dispersion in 100 cc. of water having a 50 cc. standard pipette viscosity in the range of 35 to 40 seconds when heated to 85° C., about 16.25 parts by weight of urea, about

2,624,684

METHOD AND COMPOSITION FOR COATING ALUMINUM WITH TIN

Samuel Heiman, Philadelphia, Pa., assignor to Philadelphia Rust-Proof Co., Philadelphia, Pa., a firm of Pennsylvania

No Drawing. Application December 3, 1951, Serial No. 259,725

9 Claims. (Cl. 117—130)

1. The method of coating aluminum articles with an adherent, smooth deposit of tin which comprises cleaning the aluminum article to remove substantially all of the surface oxide film and immersing the cleaned aluminum article in an aqueous bath consisting essentially of water, an organic addition agent consisting essentially of a water-soluble glue and a hydroxy aromatic compound, a water-soluble tin salt and a water-soluble fluoride, the concentration of tin salt in said bath being in the range of 0.05 N to 7.25 N and the concentration of fluoride being in the range of 0.1 N to 14 N.

2,624,682

FELT BASE FLOOR COVERING AND METHOD OF MAKING THE SAME

James E. Hazeltine, Jr., Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 24, 1951, Serial No. 207,576

6 Claims. (Cl. 117—15)



1. A method of making a floor or wall covering comprising seal coating a sheet of saturated felt material with a composition containing a tackifier of the group consisting of styrene-butadiene copolymers, acrylonitrile-butadiene copolymers, isobutylene-isoprene copolymers, and polychloroprene, and a reinforcing agent of the group consisting of polyvinyl chloride, copolymers of polyvinyl chloride and polyvinyl acetate, copolymers of polyvinyl chloride and polyvinylidene chloride, styrene-butadiene copolymers, and polystyrene, block printing onto the resulting seal coat a plurality of color areas of a decorative composition containing a dispersion of vinyl resin having a viscosity index of at least 1.67 when not more than 5% volatile material is present therein, whereby said color areas will flow out on said seal coat to produce a sharply-defined pattern, and heating the resulting coated product until the vinyl resin contained in the coating material is fused, said viscosity index being the slope of the curve which is obtained when the deflections shown on a variable speed standard model Brookfield synchro-electric viscosimeter are plotted as abscissae against the revolutions per minute required to produce the deflections as ordinates, the deflections being measured at spindle speeds of 2, 4, 10, and 20 revolutions per minute, while the dispersion is at a temperature of 25° C.

2,624,683

FLEXIBLE FLOOR COVERING

Irving I. Bezman, Pittsburgh, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 24, 1951, Serial No. 207,586

5 Claims. (Cl. 117—76)



1. A flexible, hard-surface floor covering comprising a saturated felt backing, a first coating obtained by depositing from an aqueous dispersion containing polyvinyl chloride, and a fused top coat deposited from an aqueous dispersion containing about 50% to about 65% polyvinyl chloride and about 35% to 50% of butadiene-acrylonitrile rubber.

2,624,685

TREATING BIRDS AND FEATHERS

Artemy A. Horvath, Princeton, N. J.

No Drawing. Application June 11, 1948, Serial No. 32,542

8 Claims. (Cl. 117—142)

1. In treating feathers of fowls to restore or improve their water-repellent qualities, the step comprising applying sterol to at least a portion of such feathers and permitting said sterol gradually to spread throughout the feather structure, thereby coating and improving the water-repellent qualities of said feathers.

2,624,686

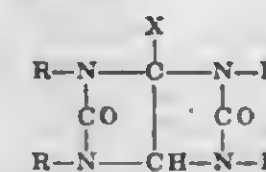
HIGH WET-STRENGTH PAPER AND PROCESS OF MAKING

Jonas Kamlet, Easton, Conn., assignor to Mathieson Chemical Corporation, Baltimore, Md., a corporation of Virginia

No Drawing. Application November 4, 1948, Serial No. 58,371

7 Claims. (Cl. 117—155)

5. A process of increasing the wet-strength of paper which comprises treating the paper with an aqueous solution consisting essentially of water and a member of the group of monomers of the general formula:



wherein X is a member of the group consisting of hydrogen and methyl and R is a formylhydroxymethyl radical, so that the proportion thereof is from 0.5% to 10.0% of the weight of the paper (on a bone-dry basis), and polymerizing said monomer in the paper.

2,624,687

PROCESS OF HEAT-TREATING ALLOY STEEL

Orin W. McMullan, Belleville, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application January 3, 1949, Serial No. 69,049. Divided and this application September 27, 1949, Serial No. 118,199

3 Claims. (Cl. 148—21.55)

1. A process of heat-treating an alloy steel essentially consisting of approximately 3.00%

nickel, approximately 1.50% chromium, approximately 5.00% molybdenum, approximately 0.15% carbon, approximately 0.50% manganese, approximately 0.30% silicon, the remainder substantially all iron, said heat-treating process comprising carburizing the steel within the temperature range of 1650° to 1800° F., air or liquid quenching the steel after carburizing, alternately and repeatedly heating the steel to a temperature within the temperature range of 600° to 1200° F. and cooling the steel to approximately room temperature between successive heatings to convert the austenite to martensite a portion at a time whereby to prevent excessive hardness, stress and size changes during each such heating and cooling step, so that the surface of the steel possesses, at high operating temperatures, high hardness and resistance to wear such as required by parts in contact under rolling or sliding movement.

2,624,688

SUBZERO TREATMENT OF CHROMIUM ALLOY STEEL

Ernest J. Svenson, Rockford, Ill., assignor to Odin Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 27, 1945,

Serial No. 625,010

2 Claims. (Cl. 148—21.55)

1. The method of treating a work piece of chromium alloy steel including substantially 1% carbon and 1% manganese, which method includes the steps of preheating the work piece to approximately 1250° F. to 1300° F., subjecting the work piece to a hardening temperature by rapidly heating the same to approximately 1575° F. to 1600° F., quenching the work piece in oil having a temperature in the range of 100° F. to 110° F., cooling to room temperature, tempering the work piece at approximately 200° F. for a period of at least three hours to give a Rockwell "C" scale hardness of substantially 67, allowing the work piece to stand after tempering for aging the same, subjecting the work piece to a deep freezing operation in the range of -100° F. to -150° F. for a period of at least three hours or more, to further increase its hardness and resistance to wear, and then allowing the work piece to warm up to room temperature.

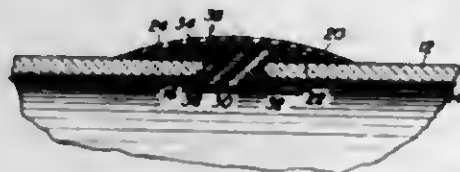
2,624,689

METHOD AND COMPOSITION FOR REPAIRING FIRE HOSES

Wilhelm F. Peters, Frankfurt-on-the-Main-Niederrursel, and Josef Riesinger, Frankfurt-on-the-Main, Germany, assignors to Valox J. Dehonne, New York, N. Y.

Application December 7, 1950, Serial No. 199,624

3 Claims. (Cl. 154—104)



1. A process of repairing a hose having an outer textile layer and an inner rubber layer and adapted to convey fluid under pressure comprising applying a reinforced rubber patch to the outer layer at the injured area and vulcanizing the patch on the hose by heat and pressure, said patch being laminated and including two outer layers of rubber separated by an intermediate layer of textile material, the outermost rubber

layer of the patch comprising 45.0–55.0 lbs. rubbery sheets from the group consisting of smoked natural rubber and a copolymer of butadiene and styrene, 2.0–2.4 lbs. spindle oil, 0.8–1.1 lbs. phenyl naphthylamine, 0.8–1.1 lbs. colophony, 0.7–0.9 lb. stearic acid, 1.4–1.8 lbs. sulphur, 4.5–5.3 lbs. zinc oxide, 14.2–15.2 lbs. chalk, 14.2–15.2 lbs. heavy spar, 0.1–0.2 lb. lampblack, 0.65–0.80 lb. 2-mercaptopbenzothiazole, 0.025–0.100 lb. tetramethylthiuram disulphide, and 7.0–7.8 lbs. of a mixture by weight of 30% zinc sulphide, 60% barium sulfate, and 10% zinc oxide.

2,624,690

ADHESIVE COMPOSITIONS COMPRISING POLYMERIZED METHYL METHACRYLATE, AN ESTER OF SALICYLIC ACID AND AN ORGANIC SOLVENT

Sidney Arthur Leader, Hythe, Kent, England, assignor to Portland Plastics Limited, London, England, a British company

No Drawing. Application February 4, 1947, Serial No. 726,439. In Great Britain February 19, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires February 19, 1963

7 Claims. (Cl. 167—58)

1. A liquid or pasty composition adapted, when applied to the skin or a wound surface and upon evaporation of the solvent constituent thereof, to form a stable, flexible, adhesive, waterproof, germicidal film, said composition consisting essentially of polymerized methyl methacrylate and an ester of salicylic acid selected from the group consisting of methyl salicylate and phenyl salicylate dissolved in a volatile organic solvent selected from the group consisting of acetone, methyl ethyl ketone, chloroform, methylene chloride and ethyl chloride, said ester of salicylic acid being present in a proportion of from 30 to 120 parts by weight per 100 parts by weight of the polymerized methacrylate.

2,624,691

FIBRINOLYSIN DERIVED FROM BLOOD AND METHODS OF OBTAINING THE SAME

Eugene C. Loomis, Grosse Pointe Park, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application April 22, 1946,

Serial No. 663,952

5 Claims. (Cl. 195—62)

1. Method for obtaining profibrinolysin which comprises treating serum of the class mammalian blood serum and mammalian blood serum containing thromboplastin and fibrinogen but no prothrombin, with a protein precipitating water soluble sulfate salt, at temperatures above freezing for said serum and below that causing protein denaturation, at a maximum concentration of said salt for precipitating protein above that corresponding to about 20 percent of saturation with ammonium sulfate and below that corresponding to about 35 percent of saturation with ammonium sulfate not causing substantial precipitation of profibrinolysin contained therein, removing the solution containing profibrinolysin from precipitated proteins, increasing the concentration of said water soluble sulfate salt in the solution containing profibrinolysin to a degree optimal for precipitation of profibrinolysin with minimum precipitation of impurities and within the above limits of corresponding ammonium sulfate saturation, and separating the precipitated profibrinolysin from the solution.

5. Fibrinolysin derived from mammalian blood, said fibrinolysin having a potency of 5 to 30

units per milligram of nitrogen; being soluble in water and saline, free from prothrombin, thrombin, thromboplastin, fibrinogen and fibrin; incapable of clotting fibrinogen; incapable of converting prothrombin to thrombin; not inhibited by prothrombin; capable of destroying prothrombin, fibrinogen and fibrin; and said fibrinolysin in aqueous solution remaining in solution without clot formation when treated with any one product of the class consisting of thrombin, fibrinogen, and a combination of fibrinogen and thromboplastin.

2,624,692

METHOD OF MAINTAINING MICROORGANISMS IN A VIABLE STATE

William L. Owen, Baton Rouge, La.

No Drawing. Application September 6, 1949,

Serial No. 114,279

12 Claims. (Cl. 195—98)

1. The method of maintaining yeast of the species *Saccharomyces cerevisiae* in a viable state comprising suspending the yeast in an aqueous solution of lastose substantially incapable of being fermented by said yeast, said solution being a dilute solution unsaturated with respect to its sugar content.

2,624,693

WAX PRODUCT AND PROCESS OF PREPARING SAME

Seymour W. Ferris, Mount Holly, N. J., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application November 25, 1950,

Serial No. 197,634

5 Claims. (Cl. 196—17)

1. A microcrystalline petroleum wax which melts within the range of from 105° F. to 120° F., has a flexibility of over 100 cycles at -10° F. as measured by flexing a strip thereof 1/2 inch wide and 1/4 inch thick 90° in one direction, back to the original position, and then 90° in the other direction, a cycle being a 90° bend and return to the original position, and has an oil content of from 2% to 4.5%.

3. Process for the preparation of a microcrystalline petroleum wax which melts within the range of from 105° F. to 120° F. and possesses the property of extreme flexibility which comprises distilling slack wax under vacuum to remove components boiling below 550° F. at 10 mm. Hg, dissolving the residuum in a solvent at an elevated temperature, cooling said solution to a temperature of from 58° F. to 62° F. whereby a portion of the dissolved wax is precipitated, separating precipitated wax, cooling the remaining solution to a temperature of from 36° F. to 43° F. whereby an additional portion of the dissolved wax is precipitated, separating the precipitated wax, washing the last named separated wax with solvent, and removing solvent from the separated wax.

2,624,694

REMOVAL OF HYDROGEN SULFIDE

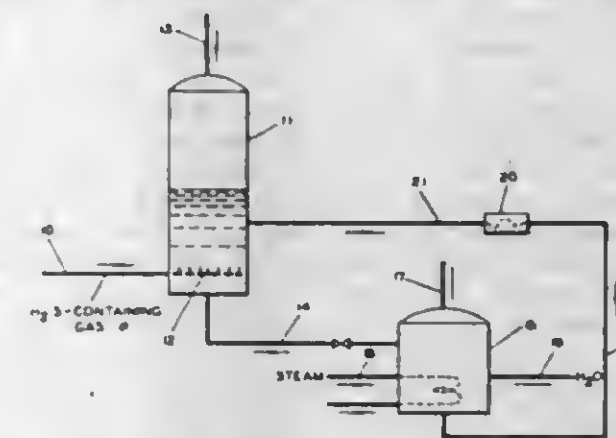
Howard R. Sailors, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 27, 1946, Serial No. 672,537

3 Claims. (Cl. 196—28)

1. A continuous process for removing hydrogen sulfide from a hydrocarbon fluid which comprises, continuously contacting said fluid with a pool of an absorbent medium consisting of a substantially

saturated solution of cadmium sulfate in aqueous sulfuric acid containing from 25 to 75 weight per cent sulfuric acid at a temperature of from 0 to 150° F., continuously separating a resulting solution admixed with resulting cadmium sulfide from resulting treated hydrocarbon fluid, continuously regenerating said resulting solution and said ad-



mixed resulting cadmium sulfide in a step which consists of separately heating said resulting solution admixed with resulting cadmium sulfide to a temperature of from 200 to 300° F., thereby evolving and expelling hydrogen sulfide, continuously recycling a resulting solution containing resulting regenerated cadmium sulfate dissolved therein to said contacting step.

2,624,695

TRANSFER OF GRANULAR MATERIALS

Edwin H. Ivey, Jr., Glenolden, and John W. Delaplaine, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application July 28, 1950, Serial No. 176,420

2 Claims. (Cl. 196—52)



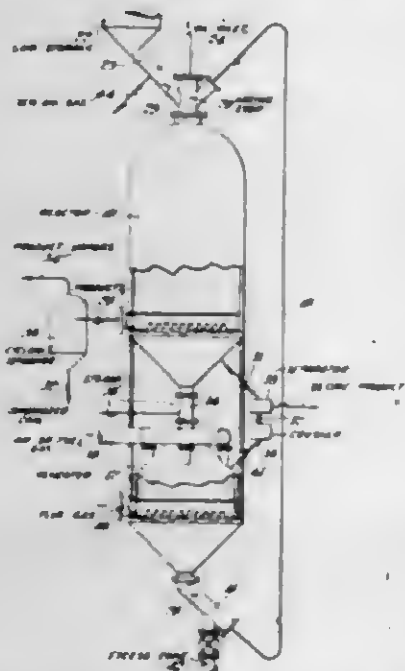
1. In the conversion of hydrocarbons with a solid granular contact mass of substantially uniform particle size of at least 14 mesh, the method of circulating said contact mass through a system including a hydrocarbon conversion zone, which comprises passing said contact mass continuously by unimpeded gravitational flow as a laterally confined uninterrupted compact column to a transfer zone to maintain a bed of such contact mass in said transfer zone at substantially constant top level, admitting lifting gas within said bed at a controlled rate and under pressure sufficient to effect lifting of contact mass from below the top level of said bed into a later-

ally confined passage having its inlet below said top level and having its discharge outlet at a considerable height above said bed, maintaining a constant supply of said contact mass externally of said transfer zone and in flow communication therewith through said column and maintaining said column at a size sufficient to assure continuous flow of contact mass to said transfer zone at a potential rate at least equal to the rate at which contact mass is removed from said transfer zone by said lifting gas, whereby the rate of circulation of the contact mass is always controlled by the rate of admission of said lifting gas into said bed; maintaining an inlet space below said laterally confined passage and in vertical alignment therewith of sufficient height to permit unimpeded movement of said contact mass into said space and into the path of said lifting gas in sufficient quantity to provide an average concentration of such contact mass in the gas stream during upward movement through said laterally confined passage of at least 1 to 2 pounds per cubic foot, said lifting gas being admitted to said bed at a rate at least sufficient to accelerate said contact mass within said confined passage to a linear velocity of 20 feet per second whereby such contact mass moves through said confined passage in essentially straight line flow free from slugging, refluxing, and substantial turbulence; and discharging the mixture of contact mass and lifting gas from said confined passage into an expanded disengaging zone, thereby effecting reduction in the velocity of the contact mass to an extent causing settling of the mass from the gas, and separately withdrawing the separated gas from said disengaging zone.

2,624,696

CONTINUOUS CARBONIZATION OF COAL AND OIL MIXTURES

August H. Schutte, Hastings-on-Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application October 8, 1949, Serial No. 120,389
1 Claim. (Cl. 202-9)



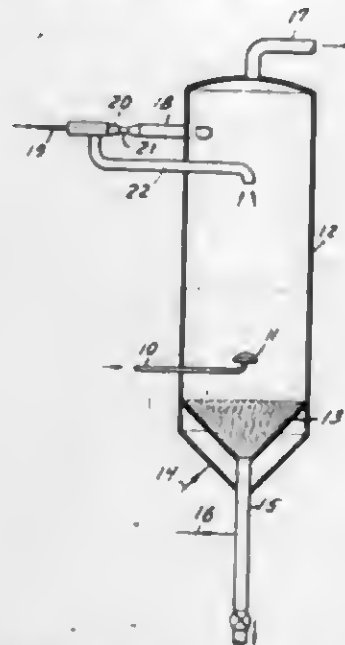
The method of low temperature carbonization of volatile coal in the presence of a particle form heated contact mass of granular coke, which comprises preheating the particles of said mass, independently and simultaneously introducing the coal as particles, said contact coke particles and a liquid oil into a common part of a free-falling zone with intermixing flow turbulence, dur-

ing which intermixing the coal is rapidly heated to and passed through its plastic state, thereafter continuously moving the thus intermixed mass in its preheated condition downwardly through a reaction zone as an unagitated gravity packed column, mutually adjusting the inlet temperature of said contact particles to the reaction zone, and the rate of introduction of coal and liquid oil to maintain a reaction temperature of between about 1000° F. and about 1400° F. in said reaction zone below the free-falling zone of intermixing, retaining the coke contact particles with the admixed coal and oil in said column of said reaction zone and without other addition of heat for a time sufficient to complete conversion of the coal and oil to vapors and non-agglomerating particles of dry coke, withdrawing the coke contact particles from the reaction zone by a controlled gravity flow without agitation or application of mechanical force, removing the said vapors and dry coke particles from the lower part of said column prior to the withdrawal of the coke contact particles from the reaction zone, sealing the removal of the coke contact particles from the reaction zone against loss of vapors therefrom, passing said coke contact particles through a reheating zone, subjecting said coke contact particles to reheating in the presence of products of combustion, and reintroducing said reheated coke contact particles to the reaction zone, thereby maintaining a substantially uniform column level therein.

2,624,697

COKING IN A FLUIDIZED STATE

Easten R. Clouse, Highland, Ind., and Rudolph C. Woerner, Homewood, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application May 9, 1950, Serial No. 160,934
2 Claims. (Cl. 202-23)



1. In the coking of hydrocarbon oils by contacting a coking charge stock at a coking temperature with a body of coke particles maintained in a fluidized state in a coking vessel from which large coke particles are selectively withdrawn by elutriation and from which reaction vapors are withdrawn overhead, the improvement which comprises suppressing entrainment of coke fines in the overhead vapors by tangentially injecting steam into the upper portion of the coking vessel whereby a whirling motion is imposed upon the stream of vapors rising from the body of coke particles in the coking vessel prior to withdrawal overhead of the vapor stream.

2,624,698

METHOD OF PRODUCING A PURIFIED COKE

John H. Hickey, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware
No Drawing. Application September 8, 1947, Serial No. 772,882
9 Claims. (Cl. 202-25)

1. A process for manufacturing a purified coke suitable for carbon electrode manufacture which comprises crushing to fine particles a bituminous coal containing silicon impurities and which becomes plastic upon heating to high temperatures, separating mineral impurities therefrom by physical methods, heating the comminuted particles with a volatile fluoride at a temperature above 100° C. and in any event above the vaporization point of said fluoride but below the temperature at which the coal becomes plastic thereby reacting the fluoride with the silicon impurities remaining in the particles and removing the resulting silicon fluorides by volatilization at a temperature below that at which the coal becomes plastic and finally coking the purified particles thereby coalescing them.

2,624,699

PURIFICATION OF CRUDE ACETONE

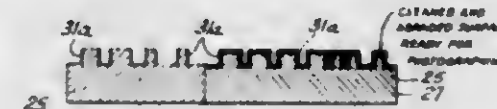
George G. Joris, Madison, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 28, 1951, Serial No. 248,891
12 Claims. (Cl. 202-57)

1. The process for the purification of crude acetone containing aldehydic impurities which comprises treating said crude acetone with a purifying agent in the form of a substance of the group consisting of activated carbon, graphite, diatomaceous earth, asbestos, pumice, coke, magnesite and sulfonated phenol-formaldehyde anion exchange resins, impregnated with an alkali metal hydroxide and separating the so-treated acetone from its impurities.

2,624,700

PREPARATION OF PRINTING SURFACES FOR PHOTOGRAPHING

George L. Morrison, Evanston, Ill.
Application April 10, 1948, Serial No. 20,214
4 Claims. (Cl. 204-17)

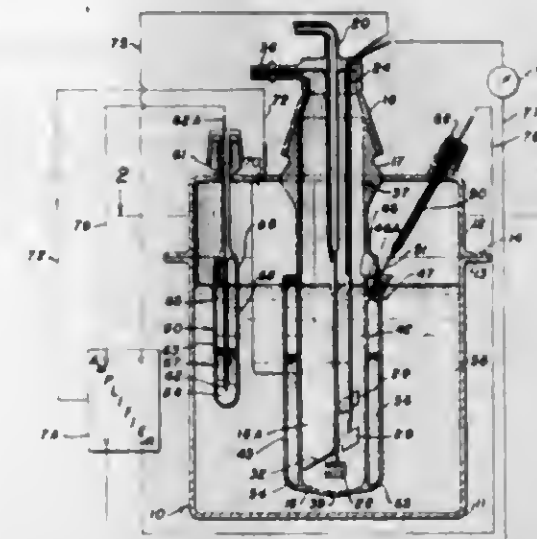


1. The method of preparing for photographing a printing form containing printing surfaces of type metal and printing surfaces of at least one metal other than type metal, which comprises the steps of electroplating onto the printing surfaces which are of a metal other than type metal, a very thin coating of a metal which when clean and polished has light reflecting properties approximately equal to clean, polished type metal, applying a light-absorbing coating to the entire surface of the printing form, removing said coating from the relief surfaces, while leaving the coating intact on the other surfaces of the form, and abrading said relief printing surfaces to produce thereon a clean, diffusively reflecting finish of sufficient fineness that the individual lines in the surface are not visible to the naked eye.

2,624,701

ELECTROLYTIC TITRATION CELL

Robert R. Austin, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application April 19, 1948, Serial No. 21,815
21 Claims. (Cl. 204-195)



1. Titrating apparatus comprising an electrolytic cell including an outer cell and an inner cell in which quantitative reaction between a titrating agent and a fluid constituent to be measured takes place in the presence of an electrolyte, means including a sintered glass bubbler for introducing the fluid containing the constituent into the electrolyte in the inner cell and for withdrawing the fluid from the inner cell, baffle means in the inner cell to cause fluid passage therethrough to circulate the electrolyte therein, an inner generating electrode and an inner sensor electrode in the inner cell, a passageway between the inner and outer cell for circulation of electrolyte therebetween, an outer generator electrode, an outer sensor electrode each disposed in the electrolyte outside the inner cell, and means for supplying a current to the generating electrodes responsive to variations in the potential of the sensor electrodes.

2,624,702

SEPARATION OF NICKEL FROM COBALT CONTAINING SOLUTIONS

Marcel De Merre, Hoboken-lex-Anvers, Belgium, assignor to Societe Generale Metallurgique de Hoboken, Hoboken-lex-Anvers, Belgium
No Drawing. Application June 8, 1950, Serial No. 166,987. In Great Britain June 16, 1949
5 Claims. (Cl. 204-124)

1. In a process for the separation of nickel from aqueous solutions of acid reaction containing cobalt and nickel in the form of soluble salts whose anions do not produce harmful secondary reactions, the steps which comprise heating the said solution to above 50° C., electrolyzing the heated solution with a mercury cathode while controlling the cathodic current density to deposit nickel with very little cobalt on the mercury cathode to form an amalgam, and separating the amalgam from the solution containing the major part of the cobalt.

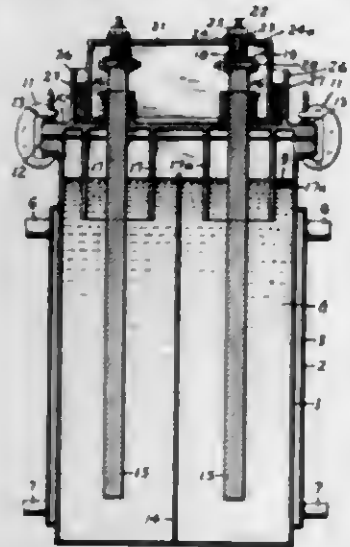
ERRATUM

For Class 204-213 see:
Patent No. 2,624,728

2,624,703

ELECTROLYTIC FLUORINE CELL

Ralph S. Park, Swarthmore, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application April 28, 1950, Serial No. 158,634
10 Claims. (Cl. 204-247)

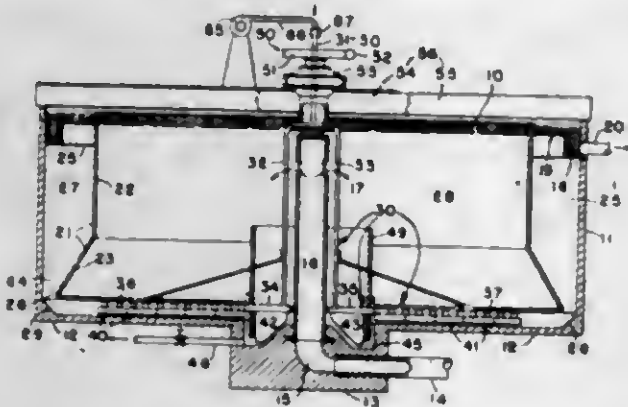


1. In an electrolytic cell, an improved cell top and electrode assembly comprising a cell top, a carbon electrode extending through an opening in the cell top, a vertical extension projecting upwardly from the top, around the periphery of the opening and forming a wall spaced closely to the face of the electrode, a metallic electrode connector fixed to the top of said electrode and projecting upwardly through a gas-tight cap surrounding said extension and resting on the cell top, an extension projecting upwardly from the top, forming a wall around the cap, and an inert plastic mass between the latter wall and the cap sealing the joint between the cap and the top.

2,624,704

SEWAGE TREATMENT

Anthony J. Fischer, Manhasset, and Wayne A. Kivell, Bronxville, N. Y., assignors to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application June 20, 1950, Serial No. 169,142
10 Claims. (Cl. 210-8)



1. Apparatus for the treating of polluted turbid liquids which includes a tank for holding a body of such liquid and having a bottom providing a sediment-receiving sump in the central portion thereof and a surrounding sediment-receiving floor section; a marginal wall symmetrical in plan rising from said bottom; a clarified effluent overflow means at the upper portion of said marginal wall determining the normal surface level of the body of liquid undergoing treatment within the tank; a clarified liquid outflow means leading from said overflow means to a region outside of said tank; a sediment-discharge means leading from said sump to a region outside of the tank; a feed inflow conduit having a feed discharge section symmetrically located with respect to said marginal wall and disposed for submergedly and laterally discharging incoming feed liquid into the upper portion of the body of liquid undergoing treatment within the tank; an open-top and open-bottom shell symmetrical in plan and substantially concentric with respect to said feed discharge section and providing an initial receiving section for rapidly settling solids gravitating from the lateral discharge of incoming feed liquid because of said shell being of internal diameter substantially greater than that of the exterior dimension of the feed discharge section, the upper edge of which shell terminates at elevation substantially lower than that of the feed discharge section but at elevation substantially higher than that of the aforementioned sediment-receiving floor section, which said shell is supported and positioned with respect to said tank in a manner whereby said sediment-receiving sump has extent below the lower portion of the shell and whereby there is left and provided a restricted sediment transfer area leading from the surrounding sediment-receiving floor section of the tank bottom past the lower portion of said shell into said sediment-receiving sump; a baffle member providing a continuous partial partition symmetrical in plan, supported in spaced relationship and arranged with respect thereto so that the upper edge of the baffle member reaches to an elevation higher than the liquid surface level while the lower end of the baffle member reaches to a low elevation within the tank but terminates spacedly above the floor of the bottom of the tank, which said baffle divides the interior of the tank into an aeration compartment within the baffle member and a clarification compartment outside of said baffle member and within the marginal wall of the tank, which said aeration compartment is of large volumetric capacity as compared with that of said clarification compartment, there being left a passage area between the lower end portion of the baffle member and the lower interior portion of the tank whereby there is provided an outwardly located upflow transfer area for the passage of aerated liquid from the aeration compartment into the clarification compartment and whereby the same transfer area provides for the downward and inward movement of settling fine solids from the clarification compartment to and upon the aforementioned sediment-receiving floor section; air diffuser members disposed within the lower portion of the aeration compartment for distributively delivering air released therefrom throughout the lower region of said aeration compartment at elevation spacedly above said sediment-receiving floor section; means for supplying air under pressure to said air diffuser members; a bearing support member stationarily positioned with respect to the tank; a main support bearing mounted on said support member; a turnable bearing mounted on said main support bearing and located at elevation higher than that of said liquid surface level; motivated speed-reducing and power-transmission mechanism for imparting turning movement to said turnable bearing member about a vertically-extending axis substantially concentric with respect to said feed discharge section; and depending means deriving carrying support from said turnable bearing member and in turn carrying and supporting therefrom outwardly-extending rake-carrying arms equipped with sediment-engaging raking blades extending downwardly therefrom and provided for progressively impelling settled solids from diverse portions of the aforementioned sediment-receiving floor section to and into the aforesaid restricted sediment-transfer area leading from said sediment-receiving floor section past the low edge portion of the shell for ultimate reception within the sediment-receiving sump.

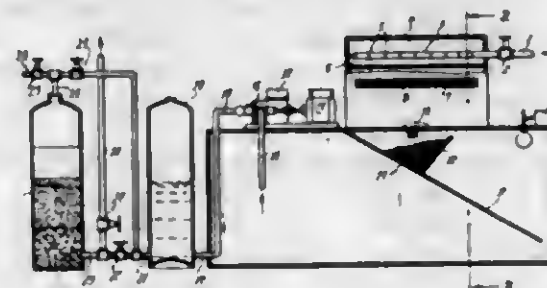
outflow means leading from said overflow means to a region outside of said tank; a sediment-discharge means leading from said sump to a region outside of the tank; a feed inflow conduit having a feed discharge section symmetrically located with respect to said marginal wall and disposed for submergedly and laterally discharging incoming feed liquid into the upper portion of the body of liquid undergoing treatment within the tank; an open-top and open-bottom shell symmetrical in plan and substantially concentric with respect to said feed discharge section and providing an initial receiving section for rapidly settling solids gravitating from the lateral discharge of incoming feed liquid because of said shell being of internal diameter substantially greater than that of the exterior dimension of the feed discharge section, the upper edge of which shell terminates at elevation substantially lower than that of the feed discharge section but at elevation substantially higher than that of the aforementioned sediment-receiving floor section, which said shell is supported and positioned with respect to said tank in a manner whereby said sediment-receiving sump has extent below the lower portion of the shell and whereby there is left and provided a restricted sediment transfer area leading from the surrounding sediment-receiving floor section of the tank bottom past the lower portion of said shell into said sediment-receiving sump; a baffle member providing a continuous partial partition symmetrical in plan, supported in spaced relationship and arranged with respect thereto so that the upper edge of the baffle member reaches to an elevation higher than the liquid surface level while the lower end of the baffle member reaches to a low elevation within the tank but terminates spacedly above the floor of the bottom of the tank, which said baffle divides the interior of the tank into an aeration compartment within the baffle member and a clarification compartment outside of said baffle member and within the marginal wall of the tank, which said aeration compartment is of large volumetric capacity as compared with that of said clarification compartment, there being left a passage area between the lower end portion of the baffle member and the lower interior portion of the tank whereby there is provided an outwardly located upflow transfer area for the passage of aerated liquid from the aeration compartment into the clarification compartment and whereby the same transfer area provides for the downward and inward movement of settling fine solids from the clarification compartment to and upon the aforementioned sediment-receiving floor section; air diffuser members disposed within the lower portion of the aeration compartment for distributively delivering air released therefrom throughout the lower region of said aeration compartment at elevation spacedly above said sediment-receiving floor section; means for supplying air under pressure to said air diffuser members; a bearing support member stationarily positioned with respect to the tank; a main support bearing mounted on said support member; a turnable bearing mounted on said main support bearing and located at elevation higher than that of said liquid surface level; motivated speed-reducing and power-transmission mechanism for imparting turning movement to said turnable bearing member about a vertically-extending axis substantially concentric with respect to said feed discharge section; and depending means deriving carrying support from said turnable bearing member and in turn carrying and supporting therefrom outwardly-extending rake-carrying arms equipped with sediment-engaging raking blades extending downwardly therefrom and provided for progressively impelling settled solids from diverse portions of the aforementioned sediment-receiving floor section to and into the aforesaid restricted sediment-transfer area leading from said sediment-receiving floor section past the low edge portion of the shell for ultimate reception within the sediment-receiving sump.

porting therefrom outwardly-extending rake-carrying arms equipped with sediment-engaging raking blades extending downwardly therefrom and provided for progressively impelling settled solids from diverse portions of the aforementioned sediment-receiving floor section to and into the aforesaid restricted sediment-transfer area leading from said sediment-receiving floor section past the low edge portion of the shell for ultimate reception within the sediment-receiving sump.

2,624,705

WATER PURIFIER

Henry G. Gentry, Dyersburg, Tenn.
Application July 3, 1950, Serial No. 171,899
2 Claims. (Cl. 210-16)



1. In a water clarifier of the character described, an elongated, horizontally extending sediment tank having a water inlet in the upper part thereof, a sloping baffle in said tank mounted with its upper portion positioned to receive the incoming water from said inlet and its lower end adjacent one end of said tank, a receptacle for water-treating material formed on the upper portion of said baffle having a foraminous wall adapted to permit flow of water from said receptacle downward along said baffle, and an outlet duct in the upper portion of said tank adjacent the other end thereof, whereby the flow through said tank is guided in a circuit in which the water entering at said inlet passes through said receptacle and the material therein, then flows downward along said baffle to one end of said tank, then along said tank to permit sedimentation, and finally is withdrawn from the other end of said tank at said outlet.

2,624,706

NONCORROSIVE FIRE EXTINGUISHING COMPOSITION

William J. Maxcy, Easton, Pa., and Herbert L. Sanders, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 23, 1948, Serial No. 56,264
2 Claims. (Cl. 252-2)

2. A corrosion resistant fire extinguishing solution consisting essentially of water having dissolved therein from 1 to 10 parts of sodium nitrite per 10 parts of an alkylated phenol-ethylene oxide wetting agent.

2,624,707

LUBRICATING COMPOSITION

George G. Pritzker, Sausalito, and David E. Adelson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 7, 1949, Serial No. 97,699
15 Claims. (Cl. 252-46.6)

1. An oleaginous base having incorporated therein an amount sufficient to stabilize against

deterioration and impart extreme pressure properties to said base, a metal-free reaction product obtained by reacting at reflux temperature a phosphorus sulfide with a heterocyclic ring compound selected from the group consisting of thiophene, benzothiazole, and alpha, alpha-dipyridyl compounds in the mole ratio of 1:5 to 2:1, respectively.

2,624,708

INHIBITED POLYOXYALKYLENE GLYCOL FLUIDS

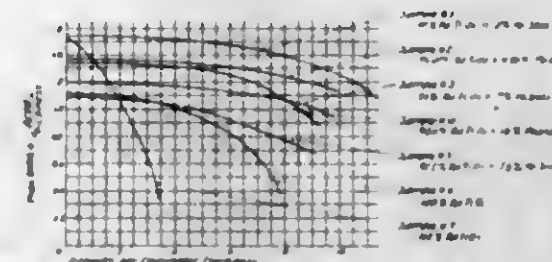
Theodore W. Langer, Buffalo, and Blake F. Mago, North Tonawanda, N. Y., assignors, by means assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 23, 1950, Serial No. 170,058
5 Claims. (Cl. 252-47.5)

1. A fluid composition consisting essentially of a monohydroxy oxyethylene-oxy 1,2-propylene butyl monoether composition containing equal parts of the respective oxyalkylene groups, and containing an inhibitor composition adapted to repress corrosion in aqueous solutions of the fluid, said inhibitor consisting essentially of a mixture of about 0.5% to 5.0% by weight of dilaoleic acid, about 0.5% to 5.0% by weight of triisopropanolamine, and about 0.05 to 0.5% by weight of mercaptobenzothiazole.

2,624,709

CERAMIC BODIES

William W. Coffeen, Union, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
Application December 15, 1951, Serial No. 261,890
5 Claims. (Cl. 252-62.9)



1. A range of ceramic compositions substantially comprising by weight a combination of 99½% to 35% of barium titanate and ½% to 65% of lead stannate.

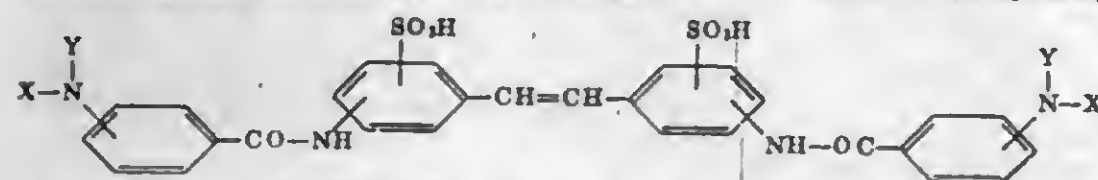
2,624,710

COMPOSITION FOR LAUNDERING TEXTILES AND FOR IMPARTING A WHITENING EFFECT THEREON

Richard Thomas, Bromborough, England, assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application April 10, 1946, Serial No. 661,070. In Great Britain April 12, 1945
6 Claims. (Cl. 252-117)

2. A composition suitable for laundering textiles and for imparting a whitening effect thereto comprising a detergent suitable for laundering textiles and from about 0.001% to 1% by weight

of an aminoaroylamino stilbene sulfonic acid which has the following general formula:



where X is a radical selected from the group consisting of aroyl and acyl radicals and Y is a radical selected from the group consisting of hydrogen, alkyl radicals of not over four carbon atoms, phenyl, methylphenyl and dimethylphenyl radicals.

adding to the granules water in an amount sufficient to completely envelop the same, vaporizing

liquor from said granules while maintaining them enveloped in water until at least a major portion of the liquor has been evaporated to render the granules hard and non-coalescent and of higher fusion point, and calcining the granules until an infusible activatable char is obtained.

2,624,711

METHOD FOR PRODUCING INERT GASES

Hilding V. Williamson, Chicago, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application November 18, 1948, Serial No. 60,755

8 Claims. (Cl. 252-372)

1. The method of producing a mixture of inert gases which comprises the steps of forming a burning bed of coke, delivering a high velocity air stream to the space above said coke bed, entraining in said air stream from six to ten volumes of the hot gaseous products of combustion from said space for each volume of air in said stream, delivering the air and entrained gases to the bottom of said coke bed, passing the air and entrained gases upwardly through said coke bed to cause combustion of the coke whereby the oxygen and the air reacts with the coke to form carbon dioxide with traces of carbon monoxide, controlling the temperature of the gaseous products of combustion entrained in said air stream to maintain the temperature of said air and entrained gases at a level at which the carbon monoxide in the gaseous products of combustion will react with the oxygen in the air to form carbon dioxide, and withdrawing the gaseous products of combustion which are not entrained in said air stream.

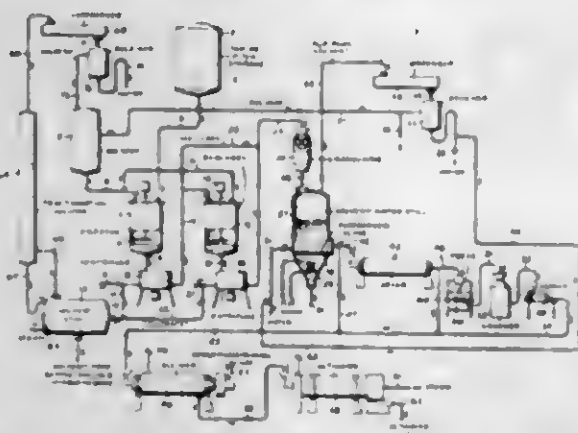
2,624,712

METHOD OF PROCESSING CARBONACEOUS MATERIALS FOR SUBSEQUENT ACTIVATION TREATMENT

Joseph W. Donegan, New Brunswick, N. J., assignor to Allied-Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application February 9, 1951, Serial No. 210,211

13 Claims. (Cl. 252-421)



13. In the production of granular carbonaceous solid activatable to activated carbon from a soft, easily fusible pulverulent and coalescible mass of benzol-insoluble activatable carbonaceous solid and occluded liquor the steps of compressing the solid containing occluded liquor into granules, said heteropolymer being polymerized from a

IRON FLUORIDE-MANGANESE FLUORIDE AROMATIZING CATALYST

Forrest R. Hurley, Jamestown, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 24, 1949, Serial No. 117,739

8 Claims. (Cl. 252-441)

1. A catalytic composition comprising an admixture of iron fluoride and manganese fluoride obtained by reacting an iron compound and a manganese compound with oxygen and a volumetric excess of hydrogen fluoride.

2,624,714

POLYMERIZABLE POLYESTER COMPOSITIONS

Maurice H. Bigelow, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application January 6, 1950, Serial No. 137,273

10 Claims. (Cl. 260-9)

5. A molding compound comprising, as a binder, a polymerizable linear unsaturated polycarboxylic acid-polyhydric alcohol polyester wherein at least 95 per cent of the polyhydric alcohol residues are derived from a dihydric alcohol and at least 95 per cent of the polycarboxylic acid residues are derived from a dicarboxylic acid, and a filler that comprises mineral fibers, kaolin and graphite in an amount that is 0.1 to 10 per cent of the weight of the molding compound, for improving the abrasion resistance attainable upon polymerization of the compound, the weight ratio of (a) kaolin plus graphite to (b) mineral fibers ranging from 1:100 to 6:1.

2,624,715

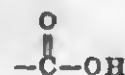
ADHESIVE

Myron F. Wildish, Terre Haute, Ind., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 24, 1950, Serial No. 191,922

19 Claims. (Cl. 260-17.4)

1. An adhesive composition comprising an adhesive base from the group consisting of cross-linked synthetic heteropolymers containing a substantial number of reactive radicals from the group consisting of



and

mixture consisting of (A) monomers of polymerizable monovinyl compounds, wherein the monovinyl group contains the sole polymerizable unsaturated group of the molecule, and the monomer is free from other reactive groups, (B) 4 to 6 carbon atom monoethylenic unsaturated dicarboxylic acids, selected from the group consisting of maleic acid, fumaric acid, citraconic acid, mesaconic acid and itaconic acid, anhydrides, and partial alkyl esters thereof, and (C) a cross-linking agent, wherein the cross-linking agent consists of from about 0.02 to about 1.0 per cent by weight of divinyl benzene, reacted with the sum of about 0.8 to about 2.25 mols of a solubilizer from the group consisting of alkali metal hydroxides, ammonium hydroxide and monoamines of greater dissociation constant than 10^{-9} , all per mol of heteropolymer unit, wherein the heteropolymer unit contains substantially equimolar amounts of the monomers (A) and (B), and from about 25 to about 70 per cent, based on the formulation solids content, of a water-soluble carbohydrate from the group consisting of invert sugar, glucose, levulose, dextrin, sucrose, boiled starch, and starch.

2,624,716

STABILIZED PLASTICIZED POLYVINYL COMPOSITIONS

Malcolm Kent Smith, Elizabeth, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application July 8, 1950, Serial No. 172,783

9 Claims. (Cl. 260-22)

1. A composition of matter comprising (1) a polymerization product selected from the group consisting of polyvinyl chloride, a vinyl chloride-vinyl acetate copolymer containing from 85% to 92% by weight of vinyl chloride, and a vinyl chloride-vinylidene chloride copolymer containing from about 95% to about 99% by weight of vinyl chloride, (2) a linear polyester formed by the interaction of a dicarboxylic acid with a compound selected from the group consisting of glycols and aliphatic acid mono-esters of trihydric alcohols, said polyester having a molecular weight of from about 1700 to about 8000 and being characterized by having a branched carbon-chain structure, and (3) an alkaline earth ricinoleate.

2,624,717

PRODUCTION OF OILS HAVING DRYING PROPERTIES

Edward M. Geiser, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 27, 1949, Serial No. 112,829

9 Claims. (Cl. 260-23.5)

1. A process for the copolymerization of an unsaturated fatty acid glyceride ester and a mixture of conjunct polymers consisting essentially of polyolefinic, cyclic hydrocarbons having molecular weights of from about 250 to about 450 and containing from about 2 to about 4 double bonds per molecule, of which about 70% are conjugated, said process comprising thermally cobodying said ester and polymer mixture at a temperature of from about 150° to about 450° C., adding a copolymerization catalyst to the thermally cobodied product, and subjecting the latter to catalytic copolymerization at a temperature of from about 0° to about 300° C.

2,624,718

VINYL RESIN DISPERSIONS

Irving I. Bezman, Pittsburgh, and Daniel D. Browning, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application July 24, 1951, Serial No. 238,397

3 Claims. (Cl. 260-29.6)

2. A method of making a coating composition of low viscosity and high solids content comprising suspending a vinyl resin of the group consisting of polymers of vinyl chloride and copolymers of vinyl chloride containing at least 45% vinyl chloride in a liquid organic suspending medium, including a plasticizer and diluent, and adding to the resulting suspension 0.1% to 0.5% by weight thereof of water, thereby reducing the viscosity of said composition.

2,624,719

HEAT STABILIZED MOLDING COMPOSITIONS OF VINYL AROMATIC POLYMERS AND METHOD OF MAKING THE SAME

Arthur F. Roche, Freeland, and Raymond M. Price, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application March 31, 1950, Serial No. 153,302

13 Claims. (Cl. 260-45.95)

1. A molding composition comprising essentially a thermoplastic monovinyl aromatic polymer of a monovinyl aromatic compound having the vinyl radical directly attached to a carbon atom of a benzene nucleus together with from 0.04 to 3 per cent by weight of an acyclic organic compound selected from the group consisting of aliphatic secondary alcohols and ether-alcohols composed of C, H, and O atoms, which compound has a molecular weight of less than 300 and contains an hydroxyl group attached to a secondary carbon atom in the molecule.

2,624,720

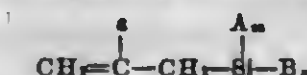
SILICON-CONTAINING ALKYD RESINS

David B. Hatcher and Raymond H. Bunnell, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application February 23, 1949, Serial No. 77,996

10 Claims. (Cl. 260-45.4)

1. A modified polyhydric alcohol-polycarboxylic acid resin, wherein some of the alcoholic hydroxy radicals of the polyhydric alcohol are replaced by groups each of which consists of an oxygen atom forming a linkage between the polyhydric alcohol residue and a silicon atom in an organosilicon radical comprising, as units linked through polymerized olefinic double bonds, (a) a unit of the class consisting of maleic anhydride and neutral esters of butenedioic acids in which each of the alcohol radicals is of the class consisting of 1-chloro-2-propyl, 2-chloro-ethyl, benzyl, tetrahydrofurfuryl, cyclohexyl, phenyl, cresyl, and primary and secondary alkyl radicals having from one to eight carbon atoms, and (b) a unit having the general formula



wherein a is of the class consisting of hydrogen and methyl; each of the subscripts m and n is a number from zero to 1; B is of the class consisting of benzyl, primary and secondary alkyl radicals having from one to twelve carbon atoms, monovalent aromatic hydrocarbon radicals hav-

ing a single nucleus to which the free valence is attached, having from six to twenty-one carbon atoms, and having not more than three side chains consisting of alkyl radicals of not more than five carbon atoms, and monovalent cycloaliphatic hydrocarbon radicals having a single nucleus containing from five to six carbon atoms one of which is connected to the free valence and to a hydrogen atom, another of which, adjacent the first, is connected to two hydrogen atoms, and the rest of which are each connected to at least one hydrogen atom, having from five to sixteen carbon atoms, and having not more than two side chains consisting of alkyl radicals of not more than five carbon atoms; and A is of the class consisting of monovalent aromatic hydrocarbon radicals having the free valence attached to a nucleus, having ten nuclear carbon atoms, having a total of ten to twenty-five carbon atoms, and having not more than three side chains consisting of alkyl radicals of not more than five carbon atoms, and radicals of the same class as B; and the remaining valences of the silicon atom are connected to oxygen linkages.

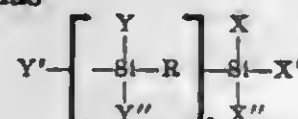
2,624,721

CURABLE ORGANO-SILICON COMPOSITIONS
David B. Hatcher and Raymond H. Bunnell, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

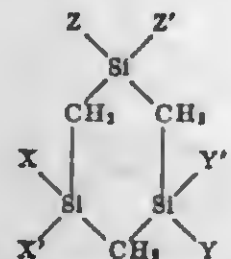
No Drawing. Application September 22, 1948,
Serial No. 50,664

18 Claims. (Cl. 260-46.5)

12. A composition comprising products of the hydrolysis of (1) a substance whose molecule consists of a silicon atom to which are attached four monovalent radicals from one to three of which are ethyl and from one to three of which are hydrolyzable radicals; and (2) a substance of the group consisting of those having one of the general formulas



and



wherein n is an integer from 1 to 2, R is a divalent hydrocarbon radical in which any substituent is a single chloro group, and each of the radicals X , X' , X'' , Y , Y' , Y'' , Z and Z' is a hydrolyzable radical; in a molar ratio from 99:1 to 55:45.

2,624,722

MODIFIED AND UNMODIFIED ACRYLONITRILE COPOLYMER COMPOSITIONS AND METHOD OF PREPARING THE SAME

Edward L. Kropa, Old Greenwich, and Arthur S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 15, 1949,
Serial No. 76,656

8 Claims. (Cl. 260-85.5)

1. A composition of matter comprising the product of polymerization of a mixture of comonomers consisting of (1) acrylonitrile and (2) an unsaturated alcohol of the class consisting of allyl alcohol and methallyl alcohol in propor-

tions such that the polymerization product contains from 15 to 30 per cent by weight of the said unsaturated alcohol, the remainder being acrylonitrile.

2,624,723

LACTONE DERIVATIVES AND METHOD OF MAKING

William J. McGraw, Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 3, 1947,

Serial No. 732,133

14 Claims. (Cl. 260-88.3)

1. As a new chemical compound, a member of the group consisting of the gamma and delta lactones devoid of ring substituents other than hydrocarbon substituents except in alpha position and containing, as the sole alpha substituent, the group $=CHR$, wherein R represents a member of the group consisting of hydrogen and lower alkyl radicals.

2,624,724

POLYMERIZATION OF VINYL CHLORIDE IN AN AQUEOUS EMULSION

Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 26, 1948,

Serial No. 11,360

5 Claims. (Cl. 260-92.6)

1. A process which consists of polymerizing vinyl chloride in an aqueous emulsion at a pH of 5-8 in the presence of a water-soluble per compound catalyst and an alkali metal sulfonate dispersing agent and recovering the polymer by evaporating the water from the resulting emulsion, the weight ratio of water to vinyl chloride being not lower than 30:70, the amount of dispersing agent varying between 0.01 and 0.5 part per 100 parts of monomer, the amount of catalyst on a weight basis being such as to introduce for every 100 parts of monomer not over the amount of available oxygen contained in 0.06 part of potassium persulfate and not over 0.01 nor less than 0.00001 part of available oxygen for every 100 parts of water.

2,624,725

NONELECTROSTATIC SYNTHETIC RESIN MATERIAL

Johan A. Bjorksten, Madison, and John B. Eisen, Waterloo, Wis., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 4, 1950,

Serial No. 136,841

7 Claims. (Cl. 260-93.5)

1. A composition of matter consisting essentially of: a thermoplastic synthetic resin, an aliphatic mono amine with at least 6 carbon atoms in at least one of the radicals attached to the nitrogen atom, and a compound selected from the group consisting of phosphoric, sulfuric and sulfamic acids.

2,624,726

COPOLYMERIZATION OF DIOLEFINS AND AROMATICS

George E. Serniuk, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 2, 1949,

Serial No. 130,847

18 Claims. (Cl. 260-94.2)

1. A process of preparing a synthetic resin which comprises mixing a major proportion of a

benzene hydrocarbon free from olefinic unsaturation with a minor proportion of a conjugated diolefin of 4 to 6 carbon atoms, cooling the mixture to a temperature between 0°C . and -40°C ., at that temperature gradually adding to the mixture a solution of aluminum chloride dissolved in a low freezing, inert, non-complex forming solvent in a concentration between about 2 and 3.5 g./100 cc., also adding to the reaction mixture additional diolefin incrementally during the course of the reaction until the ratio of total diolefin to aromatic hydrocarbon reaches a value between 50/50 and 75/25, and separating the resulting hard resin from the reaction mixture.

2,624,727

RECOVERY OF SEAWEED MUCILAGE

Victor Charles Emile Le Gloahec, Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application December 9, 1947,

Serial No. 790,726

25 Claims. (Cl. 260-209)

2. In a process for the recovery of mucilaginous material from seaweed containing mucilaginous material found in plants of the Gigartinales family, the step comprising soaking the seaweed in successive aqueous baths of at least about 10% concentration having a pH between about 6.5 and about 10.5 of a water soluble salt containing a cation selected from the group consisting of sodium, potassium, calcium, magnesium and ammonium to effect cation exchange with the mucilaginous material contained in the seaweed prior to separation of said mucilaginous material from the insoluble material in the seaweed.

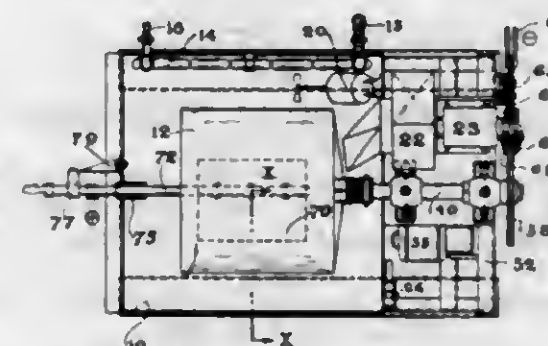
2,624,728

ELECTROPLATING BARREL

George Dubpernell, Watertown, Conn., and Stephen M. Martin, Glen Ridge, N. J., assignors to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware

Application July 14, 1949, Serial No. 104,757

1 Claim. (Cl. 204-213)



In an electroplating barrel for barrel plating articles with chromium or with other metals difficult to electroplate comprising a tank for holding a plating bath, a rotatable open-ended article-supporting metallic cylinder supported on the tank for partial immersion in the bath, a horizontal conducting shaft electrically and structurally connected at one end of the cylinder by means of which the cylinder is rotated, means for electrically connecting the shaft to the cylinder, an anode supported in the cylinder, means for rotating said cylinder shaft and the cylinder connected thereto, and means for connecting said cylinder and the anode in an electric circuit through the plating bath, the improvement in which said cylinder is imperforate, said cylinder having a conducting inner cylindrical surface and

having electrical insulation covering the outer cylindrical surface thereof to avoid diversion of current between the anode and articles supported in said cylinder, said electrical connecting means between the cylinder and its supporting shaft comprising a split tapered threaded hub attached to the cylinder for receiving the shaft, and a nut for said threaded hub acting to force the split end of the hub into binding engagement and firm electrical contact with the shaft, said hub and nut also permitting the cylinder to be detached from the shaft, said means for rotating the cylinder and cylinder shaft comprising a conducting pulley on the cylinder shaft and a non-conducting driven belt for driving said pulley, and said means for connecting the cylinder and anode in an electrical circuit including contact brushes in contact with said conducting pulley.

2,624,729

HETEROCYCLIC COMPOUNDS CONTAINING SULFUR AND NITROGEN IN THE RING

Sidney Melamed, Philadelphia, and Willard J. Croxall, Bryn Athyn, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 1, 1950,

Serial No. 198,724

6 Claims. (Cl. 260-243)

1. As new chemical substances, compounds of the formula



wherein A is an alkylene chain of two to three carbon atoms, X is a sulfur linkage selected from the class consisting of $-S-$, $-SO-$, and $-SO_2-$ groups wherein x is an integer having a value of one to two, and the designated alkyl groups contain not over 18 carbon atoms each.

2,624,730

6-HALOARYL-3-PYRIDAZONES

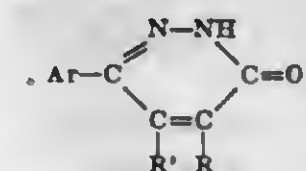
Edgar Alfred Steck, Albany, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 16, 1950,

Serial No. 179,879

14 Claims. (Cl. 260-250)

1. A 6-aryl-3-pyridazone having the formula



wherein Ar is a phenyl radical substituted by 1 to 2 halogen atoms, and R and R' are each a member of the group consisting of hydrogen and lower-alkyl radicals.

11. The process for preparing 6-(3,4-dichlorophenyl)-3-pyridazone, which comprises condensing beta-(3,4-dichlorobenzoyl)propionic acid with hydrazine under alkaline conditions and dehydrogenating the resulting 6-(3,4-dichlorophenyl)-4,5-dihydro-3-pyridazone with bromine.

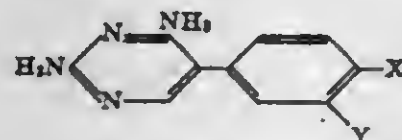
2,624,731

5-PHENYLPYRIMIDINE DERIVATIVES

George H. Hitchings, Tuckahoe, and Peter B. Russell, Crestwood, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York.
No Drawing. Application February 15, 1950,
Serial No. 144,394

6 Claims. (Cl. 260-256.4)

1. As a new compound a 2,4-diaminopyrimidine having the following formula:



wherein X is selected from the group consisting of hydrogen, halogen, nitro, amino and acylamido, and Y is selected from the group consisting of hydrogen, chlorine and bromine.

2,624,732

PREPARATION OF 5-BENZYL-2,4-DIAMINOPYRIMIDINES

George H. Hitchings, Tuckahoe, and Elvira A. Falco, New Rochelle, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York
No Drawing. Application May 10, 1950,
Serial No. 161,256

2 Claims. (Cl. 260-256.4)

2. The method of preparing a 5-benzyl-2,4-diaminopyrimidine, which consists in the preparation of an α -formylhydrocinnamic ester, condensation of the latter with guanidine, chlorinating and then heating the product in an alcoholic solution of ammonia to form the 5-benzyl-2,4-diaminopyrimidine.

2,624,733

WITHDRAWN

2,624,734

BIPIPERIDINE DERIVATIVES

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application April 29, 1950,

Serial No. 159,138

5 Claims. (Cl. 260-293)

1. Symmetrical 1,1'-dimethyl-1,1'-bis-R-4,4'-bipiperidinium salts, wherein R is a radical selected from the group consisting of benzyl, p-methoxybenzyl, p-chlorobenzyl, p-nitrobenzyl and 3,4-dimethylbenzyl.

2,624,735

4,4'-POLYMETHYLENE-BIPIPERIDINIUM DERIVATIVES

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application February 1, 1951,

Serial No. 208,981

7 Claims. (Cl. 260-293)

1. 4,4'-polymethylenebis(1,1-di-lower alkyl-piperidinium salts), wherein the polymethylene chain contains at least four methylene groups.

2,624,736

2,2'-POLYMETHYLENE-BIPIPERIDINE COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application December 20, 1951,

Serial No. 262,681

6 Claims. (Cl. 260-293)

1. 2,2'-polymethylenebis(1-lower alkyl-1-nitrobenzyl-piperidinium salts) wherein the polymethylene chain contains from 5 to 8 methylene groups.

2,624,737

PIPERIDINIUM COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application June 19, 1951,

Serial No. 232,464

3 Claims. (Cl. 260-293)

1. 4,4'-polymethylenebis(1-lower alkyl-1-phenethyl-piperidinium salts) in which the polymethylene group contains from 2 to 3 carbon atoms.

2,624,738

PIPERIDINIUM COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application December 20, 1951,

Serial No. 262,682

10 Claims. (Cl. 260-293)

1. 4,4'-polymethylenebis(1-lower alkyl-1-phenylalkylpiperidinium salts), wherein the polymethylene chain contains from 2 to 8 methylene groups, and the alkyl portion of the phenylalkyl does not exceed three carbon atoms, and the phenyl portion of the phenylalkyl has attached thereto a negative radical selected from the group consisting of nitro, cyano, carbamyl, lower alkanoyl, lower carbalkoxy, and lower alkylsulfonfyl.

2,624,739

ALPHA,ALPHA DIARYL PIPERIDINO METHANOLS

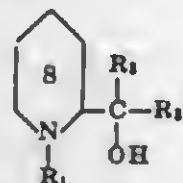
Harold W. Werner, Sharonville, and Charles H. Tilford, Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware

No Drawing. Application November 23, 1949,

Serial No. 129,182

3 Claims. (Cl. 260-294.7)

1. The compounds of the generic formula



in which S signifies that the nitrogen-containing ring is saturated, R₁ is a substituent selected from the group consisting of the hydrogen atom and methyl and ethyl radicals, R₂ is a substituent selected from the group consisting of the phenyl, tolyl and methoxyphenyl radicals, and R₃ is a substituent selected from the group consisting of the phenyl and tolyl radicals.

2,624,740

PROCESS OF PREPARING α -ACETOPYRIDINES

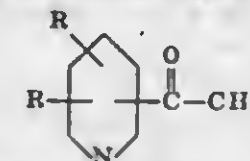
Stanley H. Hesse, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 1, 1951,

Serial No. 229,519

6 Claims. (Cl. 260-297)

1. The process of preparing α -acetopyridines characterized by the following formula:



wherein R represents a member selected from the class consisting of hydrogen and lower alkyl, which comprises reacting α -vinylpyridine with a lower alcohol and a halogen selected from the class consisting of bromine and chlorine at a temperature below 20° C. to yield (α -lower alkoxy- β -halo)-2-ethylpyridine, dehydrohalogenating the (α -lower alkoxy- β -halo)-2-ethylpyridine by heating in the presence of alcoholic alkali, by separating the α -alkoxy-2-ethylpyridine, and hydrolyzing it in water to α -acetopyridine.

2,624,741

CHLORMETHYLATED ARYLPHTHALIMIDES

David I. Randall, Easton, Pa., and Edgar E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 11, 1950,

Serial No. 143,819

13 Claims. (Cl. 260-326)

1. As a new compound, an N-aryl phthalimide having at least one monochlormethyl substituent on said aryl, and in each remaining position of all the rings a group selected from the class consisting of hydrogen, alkyl, alkoxy, amino, nitro and halo groups.

2,624,742

ALKYL THIOPHENE SULFONATE DETERGENTS

Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 23, 1947,

Serial No. 770,333

3 Claims. (Cl. 260-329)

1. A thiophene sulfonate having attached to the thiophene nucleus an alkyl group containing from 9 to 18 carbon atoms.

2,624,743

N-ALPHA-THENYL ANILINES

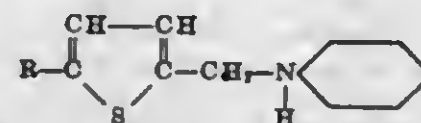
Lucas P. Kyrides, Zeeland, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 20, 1947,

Serial No. 793,056

12 Claims. (Cl. 260-329)

1. An N-alpha-thenyl aniline having the formula:



in which R represents a radical selected from the group consisting of hydrogen, methyl, chlorine, and bromine radicals and the acid salts thereof.

2,624,744

PRODUCTION OF MALEIC ANHYDRIDE

Joseph R. Darby, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 10, 1949,

Serial No. 126,694

13 Claims. (Cl. 260-342)

1. In the process of transferring a gaseous mixture comprising gaseous maleic anhydride and oxygen at an elevated temperature through an apparatus having an iron as a basic component, the step which comprises passing said mixture while at an elevated temperature above 300° C. in contact with a surface of the apparatus which has been exposed to an atmosphere comprising ammonia at an elevated temperature of at least 300° C.

2,624,745

PROCESS FOR THE MANUFACTURE OF ESTERS OF THIOPHOSPHORIC ACID

Gerhard Schrader, Opladen-Bruchhausen, Germany, assignor to Farbenfabriken Bayer, Leverkusen, Germany

No Drawing. Application March 26, 1949, Serial No. 83,781. In Switzerland April 7, 1948

7 Claims. (Cl. 260-346)

3. In a process of manufacturing aromatic esters of dialkyl thiophosphoric acid of high insecticidal value from dialkyl thiophosphoryl chlorides and compounds from the group consisting of negatively substituted phenols and hydroxy-coumarins in the presence of an acid binding agent, the components being dissolved or suspended in an inert solvent, the improvement which consists in reacting the components in the presence of metallic copper.

2,624,746

NUCLEAR MONOHALOGENATED 1-HYDROXY-4- β -FLUOROALKYLAMINO-ANTHRAQUINONE COMPOUNDS AND PROCESS FOR THEIR PREPARATION

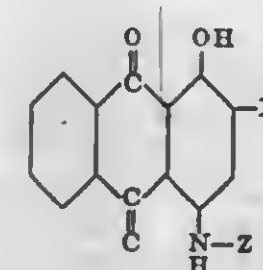
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 27, 1950,

Serial No. 140,952

4 Claims. (Cl. 260-380)

2. The process of preparing an anthraquinone compound having the general formula:



wherein X represents a halogen atom having an atomic weight between 35 and 80 and Z represents a member selected from the group consisting of the 2,2-difluoroethyl group, the 2,2-difluoro-n-propyl group, the 2,2-difluoro-n-butyl group, the 2,2-difluoroisopropyl group, the 2,2,2-trifluoroethyl group and the 2,2,2-trifluoroiso-

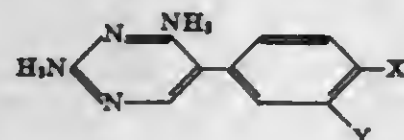
2,624,731

5-PHENYLPYRIMIDINE DERIVATIVES

George H. Hitchings, Tuckahoe, and Peter B. Russell, Crestwood, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York
No Drawing. Application February 15, 1950,
Serial No. 144,394.

6 Claims. (Cl. 260—256.4)

1. As a new compound a 2,4-diaminopyrimidine having the following formula:



wherein X is selected from the group consisting of hydrogen, halogen, nitro, amino and acyl-amido, and Y is selected from the group consisting of hydrogen, chlorine and bromine.

2,624,732

PREPARATION OF 5-BENZYL-2,4-DIAMINO-PYRIMIDINES

George H. Hitchings, Tuckahoe, and Elvira A. Falco, New Rochelle, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York
No Drawing. Application May 10, 1950,
Serial No. 161,256

2 Claims. (Cl. 260—256.4)

2. The method of preparing a 5-benzyl-2,4-diaminopyrimidine, which consists in the preparation of an α -formylhydrocinnamic ester, condensation of the latter with guanidine, chlorinating and then heating the product in an alcoholic solution of ammonia to form the 5-benzyl-2,4-diaminopyrimidine.

2,624,733

WITHDRAWN

2,624,734

BIPIPERIDINE DERIVATIVES

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application April 29, 1950,
Serial No. 159,136

5 Claims. (Cl. 260—293)

1. Symmetrical 1,1'-dimethyl-1,1'-bis-R-4,4'-bipiperidinium salts, wherein R is a radical selected from the group consisting of benzyl, p-methoxybenzyl, p-chlorobenzyl, p-nitrobenzyl and 3,4-dimethylbenzyl.

2,624,735

4,4'-POLYMETHYLENE-BIPIPERIDINIUM DERIVATIVES

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 1, 1951,
Serial No. 208,961

7 Claims. (Cl. 260—293)

1. 4,4'-polymethylenebis(1,1-di-lower alkyl-piperidinium salts), wherein the polymethylene chain contains at least four methylene groups.

2,624,736

2,2'-POLYMETHYLENE-BIPIPERIDINE COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 20, 1951,
Serial No. 262,681

6 Claims. (Cl. 260—293)

1. 2,2'-polymethylenebis(1-lower alkyl-1-nitrobenzyl-piperidinium salts) wherein the polymethylene chain contains from 5 to 8 methylene groups.

2,624,737

PIPERIDINIUM COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application June 19, 1951,
Serial No. 232,464

3 Claims. (Cl. 260—293)

1. 4,4'-polymethylenebis(1-lower alkyl-1-phenethyl-piperidinium salts) in which the polymethylene group contains from 2 to 3 carbon atoms.

2,624,738

PIPERIDINIUM COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application December 20, 1951,
Serial No. 262,682

10 Claims. (Cl. 260—293)

1. 4,4'-polymethylenebis(1-lower alkyl-1-phenylalkylpiperidinium salts), wherein the polymethylene chain contains from 2 to 8 methylene groups, and the alkyl portion of the phenylalkyl does not exceed three carbon atoms, and the phenyl portion of the phenylalkyl has attached thereto a negative radical selected from the group consisting of nitro, cyano, carbamyl, lower alkanoyl, lower carbalkoxy, and lower alkylsulfonyl.

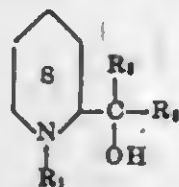
2,624,739

ALPHA,ALPHA-DIARYL PIPERIDINO METHANOLS

Harold W. Werner, Sharonville, and Charles H. Tilford, Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application November 23, 1949,
Serial No. 129,182

3 Claims. (Cl. 260—294.7)

1. The compounds of the generic formula



in which S signifies that the nitrogen-containing ring is saturated, R₁ is a substituent selected from the group consisting of the hydrogen atom and methyl and ethyl radicals, R₂ is a substituent selected from the group consisting of the phenyl, tolyl and methoxyphenyl radicals, and R₃ is a substituent selected from the group consisting of the phenyl and tolyl radicals.

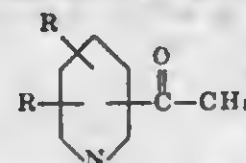
2,624,740

PROCESS OF PREPARING α -ACETOPYRIDINES

Stanley H. Hesse, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 1, 1951,
Serial No. 229,519

6 Claims. (Cl. 260—297)

1. The process of preparing α -acetopyridines characterized by the following formula:



wherein R represents a member selected from the class consisting of hydrogen and lower alkyl, which comprises reacting α -vinylpyridine with a lower alcohol and a halogen selected from the class consisting of bromine and chlorine at a temperature below 20° C. to yield (α -lower alkoxy- β -halo)-2-ethylpyridine, dehydrohalogenating the (α -lower alkoxy- β -halo)-2-ethylpyridine by heating in the presence of alcoholic alkali, by separating the α -alkoxy-2-ethylpyridine, and hydrolyzing it in water to α -acetopyridine.

2,624,741

CHLORMETHYLATED ARYLPHTHALIMIDES

David I. Randall, Easton, Pa., and Edgar E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 11, 1950,
Serial No. 143,819

13 Claims. (Cl. 260—326)

1. As a new compound, an N-aryl phthalimide having at least one monochlormethyl substituent on said aryl, and in each remaining position of all the rings a group selected from the class consisting of hydrogen, alkyl, alkoxy, amino, nitro and halo groups.

2,624,742

ALKYL THIOPHENE SULFONATE DETERGENTS

Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 23, 1947,
Serial No. 770,333

3 Claims. (Cl. 260—329)

1. A thiophene sulfonate having attached to the thiophene nucleus an alkyl group containing from 9 to 16 carbon atoms.

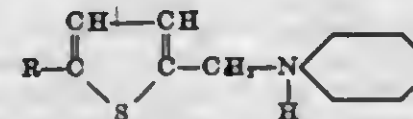
2,624,743

N-ALPHA-THENYL ANILINES

Lucas P. Kyrles, Zeeland, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 20, 1947,
Serial No. 793,056

12 Claims. (Cl. 260—329)

1. An N-alpha-thenyl aniline having the formula:



in which R represents a radical selected from the group consisting of hydrogen, methyl, chlorine, and bromine radicals and the acid salts thereof.

2,624,744

PRODUCTION OF MALEIC ANHYDRIDE

Joseph R. Darby, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 10, 1949,
Serial No. 126,694

13 Claims. (Cl. 260—342)

1. In the process of transferring a gaseous mixture comprising gaseous maleic anhydride and oxygen at an elevated temperature through an apparatus having an iron as a basic component, the step which comprises passing said mixture while at an elevated temperature above 300° C. in contact with a surface of the apparatus which has been exposed to an atmosphere comprising ammonia at an elevated temperature of at least 300° C.

2,624,745

PROCESS FOR THE MANUFACTURE OF ESTERS OF THIOPHOSPHORIC ACID

Gerhard Schrader, Opladen-Bruchhausen, Germany, assignor to Farbenfabriken Bayer, Leverkusen, Germany
No Drawing. Application March 26, 1949, Serial No. 83,781. In Switzerland April 7, 1948

7 Claims. (Cl. 260—346)

3. In a process of manufacturing aromatic esters of dialkyl thiophosphoric acid of high insecticidal value from dialkyl thiophosphoryl chlorides and compounds from the group consisting of negatively substituted phenols and hydroxy-coumarins in the presence of an acid binding agent, the components being dissolved or suspended in an inert solvent, the improvement which consists in reacting the components in the presence of metallic copper.

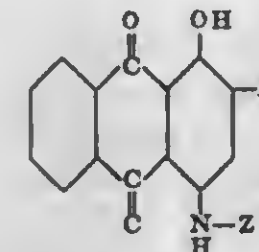
2,624,746

NUCLEAR MONOHALOGENATED 1-HYDROXY-4- β -FLUOROALKYLAMINO-ANTHRAQUINONE COMPOUNDS AND PROCESS FOR THEIR PREPARATION

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 27, 1950,
Serial No. 140,952

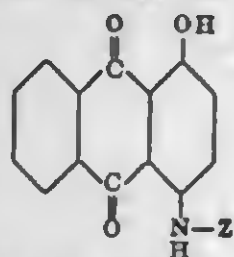
4 Claims. (Cl. 260—380)

2. The process of preparing an anthraquinone compound having the general formula:



wherein X represents a halogen atom having an atomic weight between 35 and 80 and Z represents a member selected from the group consisting of the 2,2-difluoroethyl group, the 2,2-difluoro-n-propyl group, the 2,2-difluoro-n-butyl group, the 2,2-difluoroisopropyl group, the 2,2,2-trifluoroethyl group and the 2,2,2-trifluoroiso-

propyl group which comprises reacting an anthraquinone compound having the general formula:



wherein Z has the meaning previously assigned to it with a halogen having an atomic weight between 35 and 80 in the presence of an alkali metal acetate, wherein the alkali metal has an atomic weight between 22 and 40.

2,624,747

MANUFACTURE OF QUINONE

Lee G. Davy, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 12, 1950, Serial No. 200,448
10 Claims. (Cl. 260-396)

1. The process which comprises condensing quinone-laden water vapor by direct contact with a quinone-water slurry, conveying the resulting quinone-water slurry to a slurry tank containing a body of quinone-water slurry, withdrawing quinone-water slurry from said slurry tank and recovering quinone therefrom and wherein said process is carried out while maintaining the quinone-water slurry at a temperature not exceeding 80° F.

2,624,748

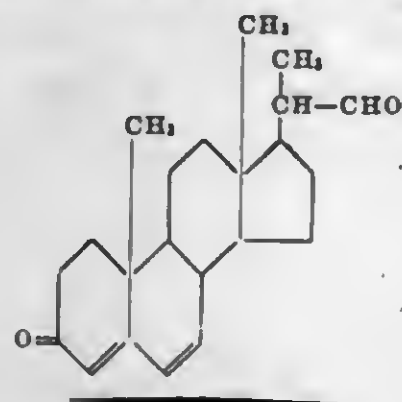
BISNORCHOLA-4,6-DIEN-3-ONE-22-AL

Robert H. Levin and A Vern McIntosh, Jr., Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application September 9, 1950,
Serial No. 184,113

1 Claim. (Cl. 260-397.3)

The compound bisnorchola-4,6-dien-3-one-22-al, represented by the formula:



2,624,749

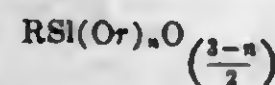
STABLE LIQUID ORGANOSILOXANES

Raymond H. Bunnell, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application April 11, 1950,
Serial No. 155,345

14 Claims. (Cl. 260-448.8)

1. A stable liquid organosiloxane having the empirical formula



wherein n is a number from one-third to one; R is a monovalent organic radical having no

olefinic unsaturation in which the free valence is connected to an acyclic carbon atom to which at least one hydrogen atom is attached, and in which any atom other than carbon and hydrogen is a halogen having an atomic weight less than 80 that is attached to a carbon atom other than one connected to said acyclic carbon atom; and r is a monovalent organic radical having no olefinic unsaturation in which the free valence is connected to an aliphatic carbon atom to which at least one hydrogen atom is attached, and in which any atom other than carbon and hydrogen is a halogen having an atomic weight less than 80.

2,624,750

PROCESS OF PRODUCING PHOSPHATE ESTER

Alphonse Pechukas, Akron, Ohio, assignor, by means assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application January 23, 1948,
Serial No. 4,069

4 Claims. (Cl. 260-461)

1. A method of producing a phosphate ester by reaction of phosphorus oxychloride with an hydroxy compound which contains an hydroxy group esterifiable with acids, which comprises heating a body of a liquid which is a non-solvent for HCl but a solvent for the ester, the phosphorus oxychloride, and the hydroxy compound to cause substantial distillation thereof, adding during the distillation portions of the hydroxy compound and the phosphorus oxychloride in substantially stoichiometric proportions required to produce the ester, and adding sufficient non-solvent to the mixture to ensure substantially continuous distillation thereof during the reaction of the oxychloride with the hydroxy compound while maintaining the rate of vaporization of the solvent sufficiently high to establish a partial pressure due to solvent vapor not less than 75 per cent of atmospheric pressure.

2,624,751

TRICHLOROETHYLIDENE CYANOACETIC ACID ALKYL ESTER AND PROCESS

David T. Mowry and Arthur H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 23, 1951,
Serial No. 217,318

3 Claims. (Cl. 260-465.4)

3. Allyl 2,2,2-trichloroethylidenecyanoacetate.

2,624,752

ESTERS OF TERTIARY ALKYL-SUBSTITUTED AROMATIC ACIDS

Rupert C. Morris, Berkeley, John L. Van Winkle, San Lorenzo, and De Loos E. Winkler, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 12, 1949,
Serial No. 115,318

10 Claims. (Cl. 260-476)

8. An ester of a para-tertiary alkyl-substituted benzoic acid and a polyhydric alcohol containing at least two esterifiable hydroxyl groups, wherein the said para-tertiary alkyl-substituted benzoic acid is the only acid used to esterify the said polyhydric alcohol.

2,624,753

5-N-BUTOXY-1-HEXYL ADIPATE AND METHOD FOR MAKING THE SAME

William S. Emerson and Raymond L. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 30, 1948,
Serial No. 36,263

2 Claims. (Cl. 260-485)

1. 5-n-butoxy-1-hexyl adipate.

2,624,754

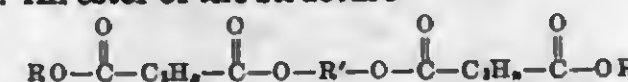
DIALKYL ESTERS OF GLYCOL POLYCARBOXYLIC ACID ESTERS

Edward S. Blake, Lexington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Original application June 11, 1947,
Serial No. 754,057. Divided and this application February 4, 1950, Serial No. 142,540

3 Claims. (Cl. 260-485)

1. An ester of the structure



where R is an unsaturated alkyl radical containing 18-22 carbon atoms, where x is an even number less than 5, and where R' is a divalent aliphatic chain selected from the group consisting of $-\text{C}_2\text{H}_4$ and $-\text{C}_2\text{H}_4\text{OC}_2\text{H}_4-$.

2,624,755

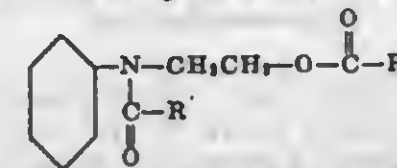
AROMATIC ESTER AMIDES

Earl W. Gluesenkamp, Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 27, 1948,
Serial No. 11,850

1 Claim. (Cl. 260-490)

A compound having the structural formula:



wherein R is the alpha-ethyl-n-pentyl radical.

2,624,756

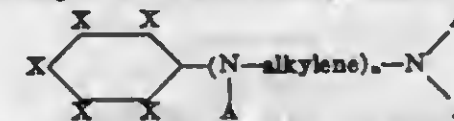
METAL ION CHELATING COMPOUNDS CONSISTING OF MONO PHENYL POLY ALKYLENE POLYAMINO POLYCARBOXYLIC ACIDS AND SALTS

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application November 1, 1950,
Serial No. 193,541

6 Claims. (Cl. 260-518)

1. A compound conforming to the formula:



wherein alkylene is one of the group consisting

of CH_2CH_2 ; $\text{CH}_2\text{CH}_2\text{CH}_2$; and $\text{CH}(\text{CH}_3)\text{CH}_2$; n is a member of the group consisting of 1 to 5; A is one of the group consisting of CH_2COOH and $\text{CH}_2\text{CH}_2\text{COOH}$; and X is one of the group consisting of hydrogen, hydroxyl, halogen, alkyl and alkoxy with from one to three of the X groups being halogen.

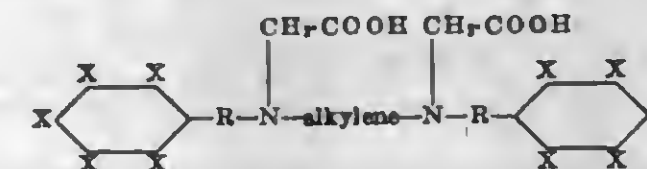
2,624,757

SUBSTITUTED ARALKYL ALKYLENE DIAMINO DI ACETIC ACIDS AND SALTS

Frederick C. Bersworth, Verona, N. J.
No Drawing. Application November 1, 1950,
Serial No. 193,543

6 Claims. (Cl. 260-518)

1. A compound conforming to the following formula:



wherein R is an alkylene group containing from 1 to 5 carbon atoms, alkylene is one of the group consisting of CH_2CH_2 , $\text{CH}_2\text{CH}_2\text{CH}_2$ and $\text{CH}(\text{CH}_3)\text{CH}_2$; and X is a member of the group consisting of hydrogen, hydroxyl, alkyl, alkoxy, and halogen, with from one to three of the X groups being halogen.

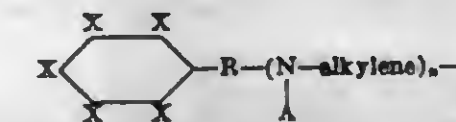
2,624,758

SUBSTITUTED MONO ARALKYL ALKYLENE POLYAMINO POLYACETIC ACIDS

Frederick C. Bersworth, Verona, N. J.
No Drawing. Application November 1, 1950,
Serial No. 193,544

3 Claims. (Cl. 260-518)

1. The compound conforming to the formula:



wherein X is one of the group consisting of hydrogen, alkyl, alkoxy, hydroxyl and halogen with at least one X group but not more than three X groups being halogen; R consists of a di-valent alkylene group of from 1 to 5 carbon atoms; alkylene is one of the group consisting of CH_2CH_2 ; $\text{CH}_2\text{CH}_2\text{CH}_2$; and $\text{CH}(\text{CH}_3)\text{CH}_2$; n is a numeral selected from the group consisting of 1 to 5; and A is one of the group consisting of CH_2COOH ; $\text{CH}_2\text{CH}_2\text{COOH}$ and the alkali metal, ammonium and amine salts thereof.

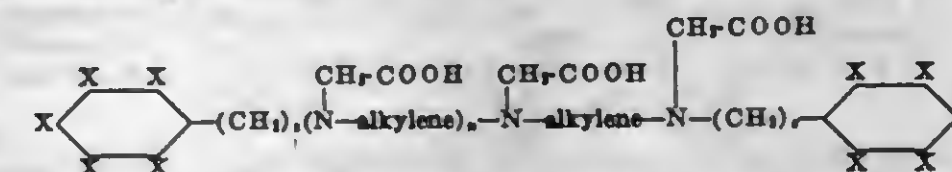
2,624,759

SUBSTITUTED POLY ARALKYL ALKYLENE POLY AMINO POLY ACETIC ACIDS AND SALTS

Frederick C. Bersworth, Verona, N. J.
No Drawing. Application November 1, 1950,
Serial No. 193,545

5 Claims. (Cl. 260-518)

1. The compound conforming to the structural formula:



wherein z is a numeral of the group consisting of 1 to 5; alkylene is one of the group consisting of CH_2CH_2 , $\text{CH}_2\text{CH}_2\text{CH}_2$ and $\text{CH}(\text{CH}_3)\text{CH}_2$; X is one of the group consisting of hydrogen, alkyl, alkoxy, hydroxyl and halogen with one to three X being halogen, and n is a numeral selected from the group consisting of 1 to 4.

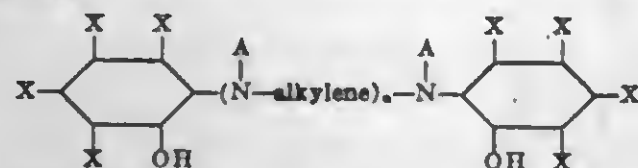
2,624,760

HYDROXY-AROMATIC ALKYLENE DI-IMINO DI-ACETIC ACIDS AND SALTS

Frederick C. Bersworth, Verona, N. J.
No Drawing. Application November 1, 1950,
Serial No. 193,342

6 Claims. (Cl. 260-519).

1. The compound conforming to the following formula:



wherein alkylene is one of the group consisting of CH_2CH_2 , $\text{CH}_2\text{CH}_2\text{CH}_2$ and $\text{CH}(\text{CH}_3)\text{CH}_2$; A is one of the group consisting of CH_2COOH and $\text{CH}_2\text{CH}_2\text{CCOH}$; n is a positive integer selected from the group consisting of 1 to 5; and X is a member of the group consisting of H, halogen, lower alkyl and alkoxyl.

2,624,761

DICARBAMYLGUANIDINE SALTS

Donald W. Kaiser, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 13, 1949,

Serial No. 104,590.

6 Claims. (Cl. 260-553)

1. A member of the group consisting of dicarbamylguanidine, cyclohexyldicarbamylguanidine, and the addition salts thereof with oxygenated acids having an ionization constant of at least 10^{-3} .

2,624,762

HYDROXY ALIPHATIC DERIVATIVES OF SYMMETRICAL DI-AROMATIC THIOUREAS

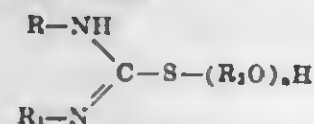
Paul M. Downey, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 4, 1949,

Serial No. 91,414

14 Claims. (Cl. 260-564)

1. As a new composition of matter a compound of the structure



where R and R₁ are alkyl substituted monocyclic aryl radicals, where R₂ is an alkylene group and where n is an integer greater than one.

2,624,763

BIS-QUATERNARY AMMONIUM COMPOUNDS

Moses Wolf Goldberg, Upper Montclair, and Lester Mischa Jampolsky, Clifton, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application June 19, 1951,

Serial No. 232,463

3 Claims. (Cl. 260-567.6)

1. Bis-quaternary ammonium compounds represented by the following formula



wherein R and R₁ represent lower alkyl radicals; X represents a halogen; and r represents an integer from 2 to 3.

2,624,764

PREPARATION OF KETO ALDEHYDES

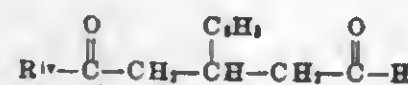
William S. Emerson and Raymond L. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 27, 1949,

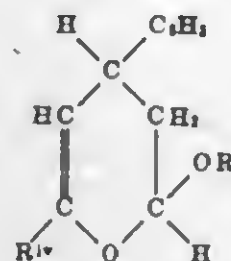
Serial No. 135,304

3 Claims. (Cl. 260-590)

1. The method of preparing ketone-aldehydes having the structure:



which comprises subjecting to hydrolysis in an aqueous acid medium a 2-alkoxy-4-phenyl-3,4-dihydro-1,2-pyran having the structure:



wherein R is an alkyl radical having up to 4 carbon atoms, and R¹ is a monovalent saturated hydrocarbon radical free from non-benzenoid unsaturation, the radicals other than aryl being saturated having up to 8 carbon atoms, and separating the resulting ketone-aldehyde.

2,624,765

PROCESS FOR PREPARING PROPARGYL ALDEHYDE DIMETHYL ACETAL

Frederick Fahnoe, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 4, 1949,

Serial No. 97,313

3 Claims. (Cl. 260-615)

1. A process for preparing propargyl aldehyde dimethyl acetal which comprises treating butyne-diol synthesis product boiling below 97° C. and containing propargyl alcohol, water, and propargyl aldehyde with acidified methanol and fractionally distilling to remove the product boiling in the range 80-95° C.

2,624,766

TRIDECENYL ALCOHOLS

John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 15, 1949,

Serial No. 121,645

5 Claims. (Cl. 260-615)

1. Trisobutenyl carbinol.

2. The process which comprises reacting ethyl-

ene oxide with trisobutenyl carbinol at a temperature of about 125° C. and in the presence of a basic catalyst.

ELECTRICAL

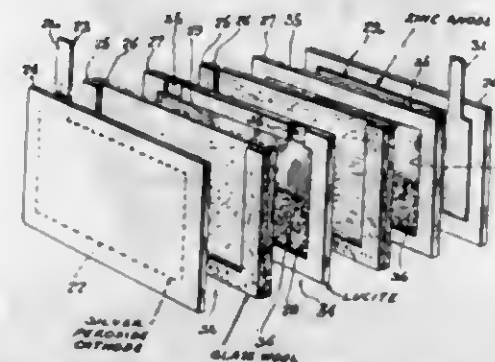
2,624,767

PRIMARY BATTERY

Joseph Donald Moulton, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application November 22, 1946, Serial No. 711,672

7 Claims. (Cl. 136-113)



5. A primary cell comprising a pair of spaced anode and cathode plates, a sheet of a wick-type material spaced from and positioned between said plates, and a dry electrolyte material in the space between said sheet and one of said plates.

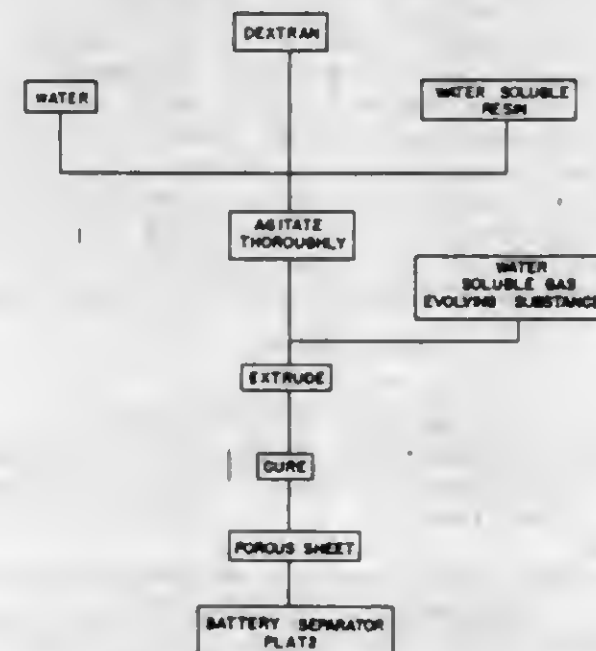
2,624,768

DEXTRAN BATTERY SEPARATOR PLATE

Harry A. Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application July 23, 1951, Serial No. 238,147

17 Claims. (Cl. 136-146)



1. A liquid permeable battery separator plate consisting of a thin acid resistant porous sheet composed of dextran and a polymerized resin.

2,624,769

AMMETER WITH SWINGING PERMANENT MAGNET

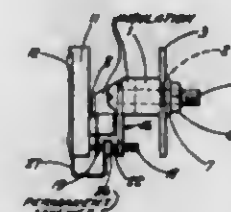
John E. Diehl, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania

Application April 23, 1948, Serial No. 22,810

5 Claims. (Cl. 171-95)

1. An ammeter comprising a current-carrying member having a steel central portion with a centrally located threaded hole through it, a

screw threaded in said hole and having a bearing surface at its inner end, a bearing element spaced from said surface and having an opening through it in line with the screw, a pivot pin having one end rotatably and slidably mounted in said opening and having its opposite end rotatably supported by said bearing surface, a permanent bar magnet rigidly mounted on the pin and normally held in alignment with said central



portion of said member by its magnetic attraction therefor, and a pointer operatively connected to the pin and adapted to be swung thereby when current flowing through said member swings the magnet, adjustment of the screw serving to vary the distance between the magnet and said central portion of said member to control the restoring force exerted on the magnet, whereby to calibrate the ammeter.

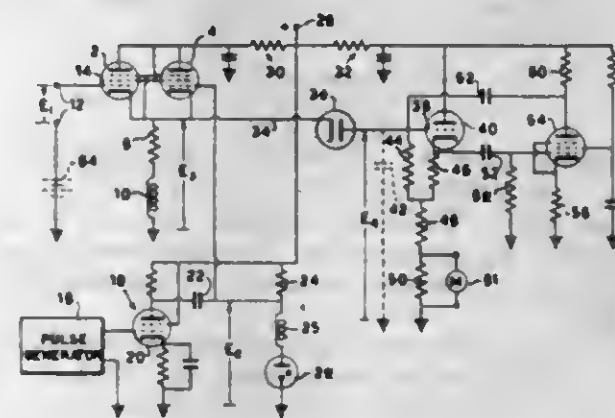
2,624,770

VACUUM TUBE VOLTMETER

Edward W. Yetter, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application February 11, 1949, Serial No. 75,851

13 Claims. (Cl. 171-95)

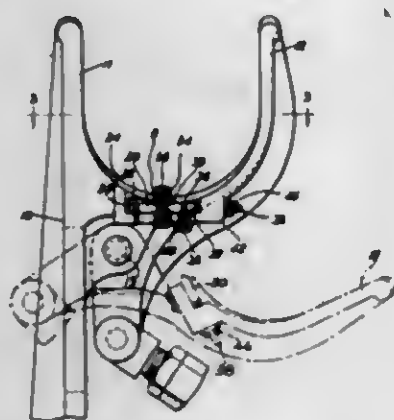


7. In combination, a thermionic vacuum tube electrode assembly including cathode, anode and grid elements, means providing an impedance between said cathode and a terminal, connections through which a periodic potential may be applied between the grid of said assembly and said terminal, means normally providing a current flow through said impedance sufficient to effect cut-off of said assembly, means providing pulses which are of short duration relative to the period of said periodic potential for periodically, and in synchronism with said periodic potential, interrupting said current flow provided by the last mentioned means to render said assembly conductive under control of said periodic potential, and means for measuring the peak cathode potential of said assembly resulting at the times of said pulses.

2,624,771

COLLAPSIBLE COILING HEAD FOR ELECTRICALLY CONTACTING INSULATED CABLE

Estyle D. Hanson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 30, 1948, Serial No. 24,313
1 Claim. (Cl. 173-324)

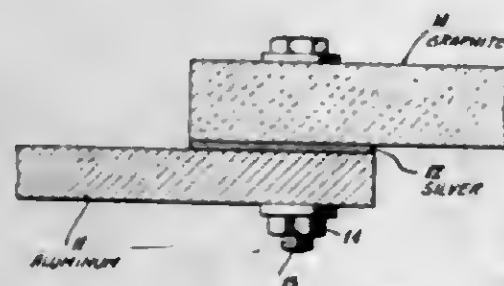


A collapsible head for coiling and electrically contacting an insulated conductor, which comprises a rotatable shaft, a plurality of arms radially mounted on and secured to the shaft, each of said arms having a drum portion serving as a winding surface for receiving convolutions of a coiled conductor, a plurality of convolution retaining segments pivotally mounted one for each upon the arms, said segments being pivotally movable in planes radially intersecting the axis of the shaft between a collapsed position towards the shaft and a noncollapsed position in which they extend radially outward therefrom, a knife blade secured to the drum portion of one of the arms, and a second knife blade secured to one of the pivoted segments and positioned to face the first-mentioned blade, whereby the pivotal movement of the segments towards their noncollapsed position will cause the blades to engage a portion of the conductor and penetrate the insulation thereon to contact the conductor.

2,624,772

ELECTRICAL CONTACT BETWEEN ALUMINUM AND GRAPHITE

Norman W. F. Phillips, Arvida, Quebec, Canada, assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada, a corporation of Canada
Application August 24, 1948, Serial No. 45,848
In Canada September 15, 1947
8 Claims. (Cl. 173-324)

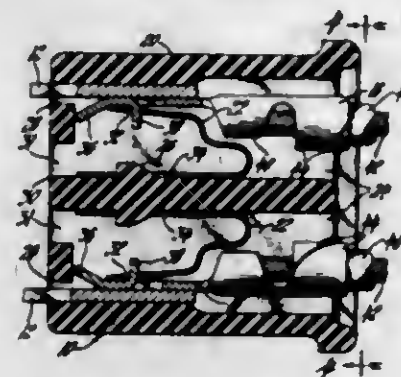


1. An electrically connected structure comprising a graphite element, a massive aluminum element, a low resistance film of a stable metal other than aluminum disposed between said elements, and clamping means forcing said elements together, to hold the film in electrical contact with both, under pressure.

2,624,773

SOCKET CONNECTOR HAVING REMOVABLE TERMINALS

William T. Mears, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 9, 1948, Serial No. 31,959
8 Claims. (Cl. 173-328)



1. An electrical connector comprising a body of electrically insulating material having a passage therethrough, a stop formed on said body adjacent one end and extending into said passage, a shoulder formed on said body and extending inwardly therefrom into said passage, a terminal member positioned in said passage, said terminal member having a flat contact engaging portion in normal engagement with the wall of said passage, said flat contact engaging portion having an end portion angularly inclined thereto and extending into engagement with said stop, a lug formed intermediate said flat portion and extending transversely thereto into said passage, a plurality of longitudinally spaced conductor clenching ears provided at the other end of the flat contact engaging portion and a generally U-shaped resilient member positioned in said passage to yieldingly urge said flat portion into engagement with the wall of said passage and permit insertion of an electrical terminal between said terminal member and the wall of said passage, said resilient member having an aperture adjacent one end thereof in receiving engagement with said shoulder to lock said resilient member in said passage and an aperture adjacent its other end and in receiving engagement with said lug to lock said terminal member in said passage.

2,624,774

PLUGBOARD CONTACTOR

James M. Cunningham, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 67,962
6 Claims. (Cl. 173-328)



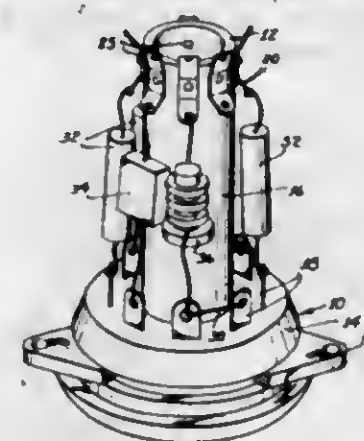
1. An integral plug connector for insertion in an opening in a plugboard comprising an elongated contactor, a latch carried thereby, and mounted for movement toward or away from the longitudinal axis of the contactor, an actuating element for the latch connected to the contactor and relatively movable with respect thereto in the direction of said axis, said element being telescopically arranged with respect to said contactor, said latch being normally biased away from the axis in a latching position, whereby move-

ment of its actuating element in one direction with respect to the contactor causes the latch to move toward the axis into unlatching position.

2,624,775

MOUNTING DEVICE FOR VACUUM TUBE CIRCUIT ELEMENTS

Albert F. Hughes, Des Moines, Wash., assignor, by mesne assignments, to Ray R. Scoville, Glendale, Calif.
Application December 3, 1947, Serial No. 789,507
9 Claims. (Cl. 173-328)



1. A mounting means for circuit components associated with elements of an electronic tube having a plurality of parallel prongs, said mounting means including an electronic tube holder comprising an insulating block, a plurality of metallic socket elements mounted within said block for receiving said prongs and for mounting said tube on one side of said block, said elements having a corresponding plurality of terminals carried by the insulating block and constituting a first set of terminals, a second set of terminals located beyond said other side, and a rigid structure coupled to said block for maintaining the first and second sets of terminals in predetermined fixed relationship to each other, said structure including insulating means for insulating the terminals of the first set from those of the second set and those of the second set from each other, a plurality of said terminals of the second set each including a portion extending beyond the end of said structure in a direction away from the electronic tube holder, the terminals of the first and second sets being accessible to permit the soldering of leads of circuit components between terminals of the two sets while the terminals are being held in said predetermined fixed relationship by said rigid structure.

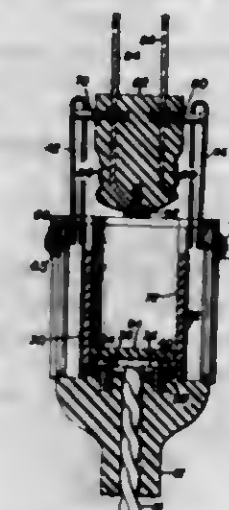
2,624,776

REVERSIBLE ELECTRICAL CONNECTOR

Garfield C. Price, Gary, Ind.
Application November 19, 1951, Serial No. 256,987
6 Claims. (Cl. 173-381)

1. A dual purpose electrical connector comprising a substantially cylindrical body of insulating material, there being an axial passage through said body, said passage being enlarged at one end providing a shoulder intermediate the ends of said passage, oppositely disposed longitudinal channels in the sides of said enlarged bore, a slot connecting each of said channels to the outside of said body, substantially rectangular guide members in each of said channels, each guide member having a longitudinal slot communicating with the corresponding slot in said body, an inwardly extending terminal on said guide member, said terminals overlying

said shoulder, a U-shaped connector slidably mounted in each of said guide members, a plug member, a pair of conductors embedded in said plug, a trunnion mounted in each of said U-

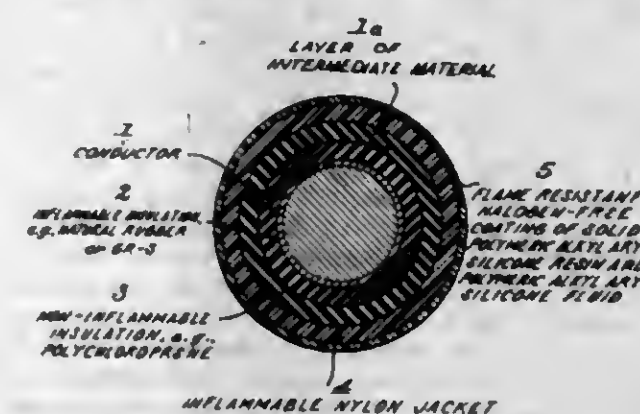


shaped connectors, said trunnions extending into said plug, the respective trunnions being connected to separate conductors, said conductors extending in spaced parallel relation from one end of said plug.

2,624,777

INSULATED ELECTRICAL CONDUCTOR

John F. S. Abbott, West Barrington, and Charles J. Tappero, Bristol, R. I., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 1, 1950, Serial No. 185,492
2 Claims. (Cl. 174-120)



1. An insulated electrical conductor comprising a metallic electrical conductor, an insulating layer of inflammable rubber surrounding said conductor, an insulating layer of polychloroprene surrounding said layer, the conductor with said two insulating layers being flame-resistant in the Underwriters' Laboratories flame test in which the horizontally supported conductor is ignited with a flame for 30 seconds and the length burned before the flame goes out is determined, a burned length of not over 2" in either direction from the mid-point of flame application being considered as passing the test, a continuous jacket of inflammable nylon surrounding said last-named layer, said nylon consisting of a synthetic linear polyamide, said nylon jacket being meltable, and rendering the conductor non-flame-resistant in said flame test, and an outer, thin, continuous, flexible, dry, non-tacky, non-sticky coating of a homogeneous mixture of an unhalogenated solid polymeric alkyl aryl silicone resin and an unhalogenated non-volatile polymeric alkyl aryl silicone fluid, said coating rendering the nylon-jacketed conductor flame-resistant in said flame test, said coating being tenaciously adhered to the outer

surface of said nylon jacket, being moisture-resistant, having good electrical and physical properties, and not significantly increasing the frictional resistance of the conductor to external surfaces, said coating imparting the property that when the insulated conductor is exposed to flame said coating decomposes and deposits a thin film of silica over the surface of said nylon jacket, said silica film upon removal of the igniting flame acting to quench the burning nylon.

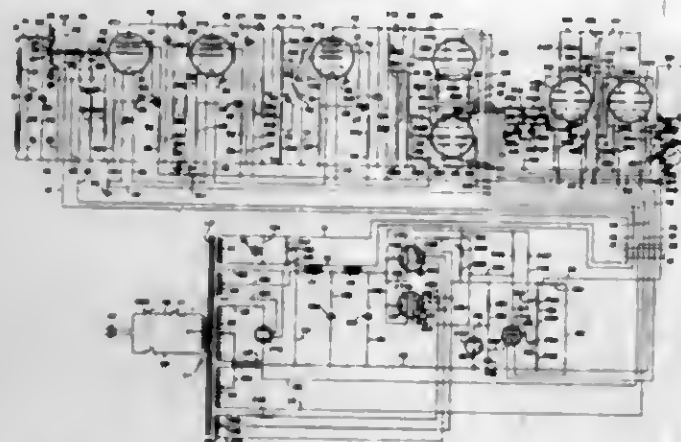
2,624,778

ELECTRONIC FLUXMETER AND ALTERNATING CURRENT AMPLIFIER

Gilbert J. Perlow and Ernest R. Haberland,
Washington, D. C.

Application October 25, 1945, Serial No. 624,620
16 Claims. (Cl. 175-182)

(Granted under Title 35, U. S. Code (1952),
sec. 266)



1. In an apparatus for detecting submerged metallic masses including means adapted to be towed within the water by a vessel for generating low frequency signals variably in accordance with the degree of distortion of a magnetic field due to the presence of metallic masses within the vicinity thereof, the combination of means for converting the low frequency signals to high frequency A. C. voltages, an A. C. amplifier for amplifying the A. C. voltages to provide an amplified signal therefrom, a lock-in stage operatively connected to said amplifier and having a pair of grid controlled sections for detecting the polarity of the amplified signal, means including a source of A. C. potential for operating the sections of the lock-in stage push-pull, means included within the A. C. amplifier for tuning the frequency of the amplifier such that the amplified signal is locked in phase with the A. C. potential applied to either of the lock-in sections selectively in accordance with the instantaneous polarity of the signal applied to the grids thereof, an R-C integrating-circuit operatively connected to the output of the lock-in stage having a time constant sufficient to exclude components in the amplified signal due to roll and changes in heading of the towing vessel detected by the generator and adapted to develop a voltage which is the integral of the detected signal components due to said metallic masses, and means responsive to said voltage for producing a record of the last named signal components.

5. In an apparatus for amplifying small and slowly varying signals the combination of a chopper having an exciter coil, a floating vibrator, and dual input contacts, said vibrator having a float time not to exceed four per cent (4%) of the period, means for energizing said exciter coil, an input filter coupled to said chopper and including a condenser shunted across the input contacts of said chopper, an A. C. vacuum tube am-

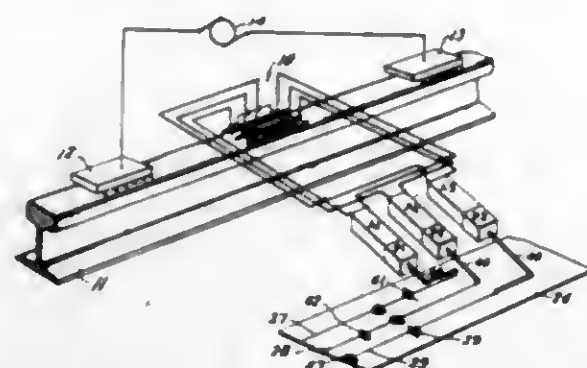
plifier, a π type capacity-resistance coupling circuit comprising a pair of shunt resistors and a series capacitor connected across the input circuit of said amplifier and the output circuit of said chopper whereby the slowly varying signals are converted into A. C. in the amplifier without substantially decreasing the input impedance of the A. C. amplifier.

2,624,779

RAIL FLAW DETECTING APPARATUS

Frank H. Keaton and David C. Bettison,
Omaha, Nebr.

Application July 14, 1948, Serial No. 38,596
3 Claims. (Cl. 175-183)



1. In rail flaw detecting apparatus, the combination of means for progressively energizing a rail to establish characteristic magnetic conditions in the vicinity of flaws, and other characteristic magnetic conditions in the vicinity of surface defects, a detector unit comprising at least three detectors for inductively locating said conditions, a plurality of amplifiers, one associated with each detector and recording means including a moving tape and a plurality of recording pens, one associated with each amplifier and detector, for making parallel line records on the tape in response to the detector unit, said detectors being spaced apart in lateral alignment and each comprising a longitudinally arranged coil and a magnetic core in close magnetic coupling with a specified longitudinal portion of the top of the rail head, and of such size and inductive strength, and so arranged that there is substantially no overlapping between adjacent longitudinal portions of the top of the rail head magnetically searched by said laterally spaced coils, the width of each detector being less than one-fourth of the width of the rail head.

2,624,780

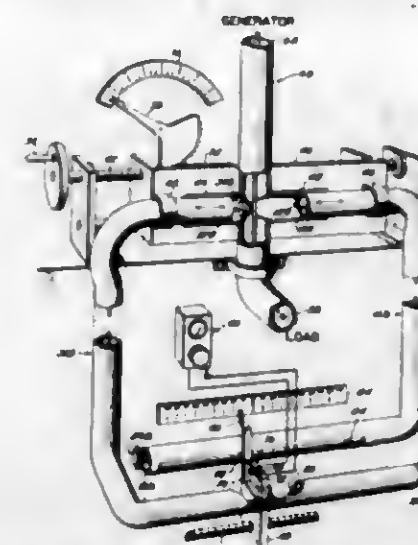
MEASURING SYSTEM

John F. Byrne, Garden City, N. Y., assignor, by
mesne assignments, to Hewlett-Packard Com-
pany, Palo Alto, Calif., a corporation of Cali-
fornia

Application December 11, 1948, Serial No. 64,871
18 Claims. (Cl. 175-183)

6. In a system for measuring impedance at high frequencies, the apparatus comprising a main transmission line having one end connectible to an alternating current source corresponding in frequency to that at which the impedance is to be measured and a second end connectible to a load circuit the impedance of which is to be measured, first and second auxiliary coaxial transmission lines magnetically and electrostatically coupled respectively to said main transmission line and each being terminated so as to eliminate substantially standing waves from these auxiliary lines, and attenuator associated

with each of said auxiliary transmission lines and adjustable to vary the magnitude of the currents flowing therein, first and second pick-up means coupled respectively to said first and second auxiliary transmission lines, means for



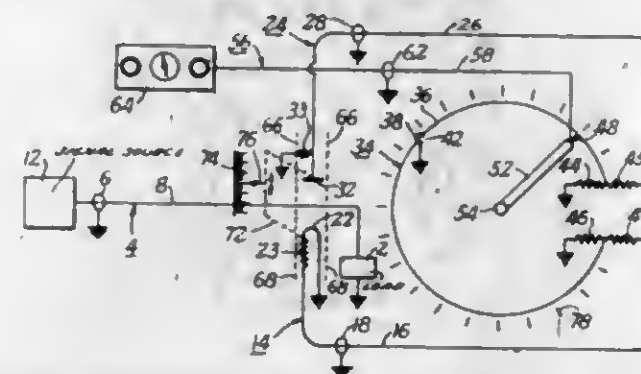
varying the distances along said auxiliary transmission lines between said main transmission line and the pick-up means associated therewith, and means for indicating when the voltages induced by said pick-up means are equal in magnitude and bear predetermined phase relationships.

2,624,781

MEASURING SYSTEM

David F. Bowman, Mineola, N. Y., assignor, by
mesne assignments, to Hewlett-Packard Com-
pany, Palo Alto, Calif., a corporation of Cali-
fornia

Application July 1, 1949, Serial No. 102,517
11 Claims. (Cl. 175-183)



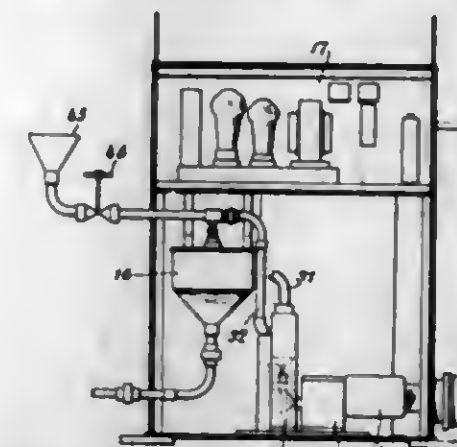
9. In a system for measuring impedance, the combination comprising a main coaxial transmission line having one end connectible to a load circuit the impedance of which is to be measured and a second end connectible to an alternating current source, an auxiliary coaxial transmission line having one end magnetically coupled to said main transmission line and the opposite end electrostatically coupled to said main transmission line for inducing in said auxiliary line first and second oppositely flowing currents, said auxiliary line having spaced resistance networks for eliminating reflected waves from the portion of said auxiliary line between said networks, said last-said portion of said auxiliary line having a longitudinal slot in the outer conductor thereof and being positioned to form a circular arc, first and second attenuators coupled to opposite ends of said auxiliary line and arranged to vary the magnitudes of said first and second currents, respectively, a pick-up probe extending into said slot and responsive to said currents and movable longitudinally along

660 O. O.—17

2,624,782

METHOD AND APPARATUS FOR THE DETECTION OF WATER

Murray H. Lowson, Abadan, Iran, assignor to
Anglo-Iranian Oil Company Limited, London,
England, a British joint-stock corporation
Application August 17, 1949, Serial No. 110,853
In Great Britain March 6, 1948
8 Claims. (Cl. 175-183)

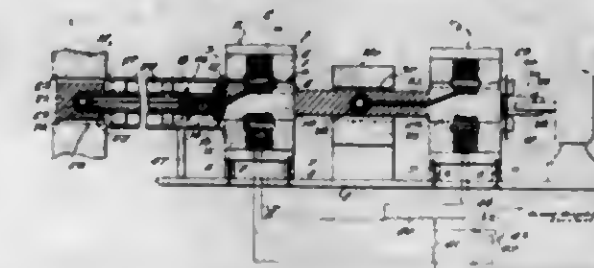


8. A method of detecting the presence of, and measuring, minute amounts of water in oil, comprising passing the oil in batches to the space between a pair of closely spaced parallel electrodes so that each batch forms a thin film of oil of not more than about one millimeter in thickness between the electrodes, applying an electric potential between the electrodes, recording the current passing through the film of oil, retaining each batch stationary between the electrodes until the current passing reaches a maximum and then sweeping out the batch of oil with another batch.

2,624,783

APPARATUS AND METHOD FOR MEASURING MAGNETIC FLUX

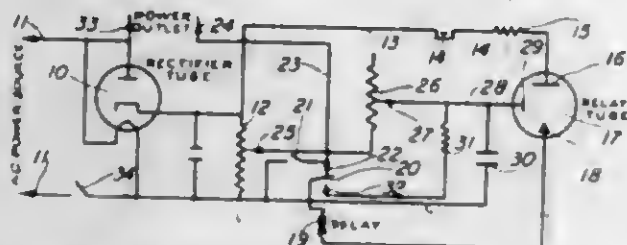
Vlacheslaw A. Nedzel, Chicago, Ill., assignor to
the United States of America as represented by
the United States Atomic Energy Commission
Application June 4, 1945, Serial No. 597,475
10 Claims. (Cl. 175-183)



1. Apparatus for measuring magnetic field strength by comparison with a standard, comprising a rotatable shaft, a search coil rigidly supported by said shaft and rotatable in a magnetic field whose strength is to be measured, means to produce a magnetic field of fixed flux density, a standard coil also rigidly supported by said shaft and rotatable in said magnetic field, a pair of transformers, each including a primary winding in series circuit relationship with one of said coils and being wound about and rigidly secured to portions of said shaft so as to be rotatable therewith, each of said trans-

formers also including a secondary winding and a stationary magnetic yoke surrounding and supporting the secondary winding, said magnetic yokes completing a transformer magnetic circuit which includes said primary windings, and a potentiometer circuit connected to said secondary windings for comparing the voltages induced therein.

2,624,784
ELECTRONICALLY CONTROLLED RELAY
Charles W. Davis, Grand Prairie, Tex.
Application May 31, 1949, Serial No. 96,301
7 Claims. (Cl. 175-320)

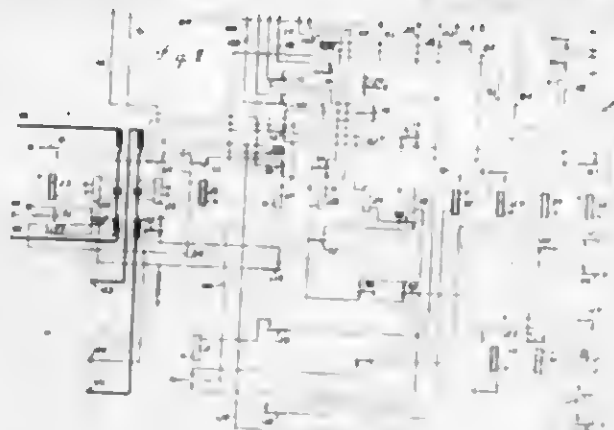


1. A timing control for electrical devices including, an electronic tube having a critical firing voltage, a cathode and an anode in the tube, a starter electrode in the tube, a first pair of conductors connected to the anode and cathode and adapted to be connected to a source of electrical energy, a relay having an armature coil and a normally-closed switch which is closed when the relay is de-energized and a normally-open switch which is open when the relay is de-energized, energization of the relay by energization of the armature coil opening the normally-closed switch and closing the normally-open switch, the relay having an armature actuated by means of the armature coil, both switches having one pole carried by the armature, the relay armature coil being connected in series with the anode and cathode, a switch connected in series with the anode and cathode for interrupting the flow of current therethrough, an accumulator having positive and negative poles connected between the starter electrode and the negative one of the pair of conductors, the starter electrode being connected to the positive pole of the accumulator and electrically connected through an electrical resistive element to the positive one of said conductors, a discharge circuit connected in parallel with the accumulator between one side of the accumulator and the normally-open switch, a power outlet having one conductor connected to the normally-closed switch, and a pair of power supply leads, one of said leads being connected to the other conductor of the power outlet, the other of said leads being connected to the poles of both switches carried by the relay armature.

2,624,785
COUNTING AND REGISTERING RELAY CIRCUIT
Paul Hemminger, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company, a corporation of Delaware
Application July 19, 1949, Serial No. 105,558
1 Claim. (Cl. 175-320)

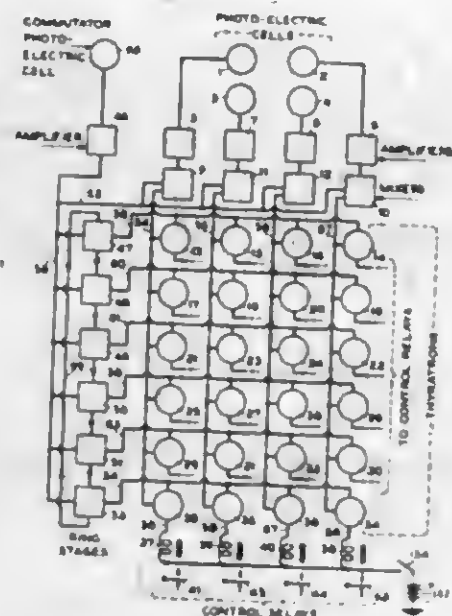
In combination, a chain of counting relays, a relay register comprising relays corresponding to said counting relays, respectively, and one additional register relay, a circuit over which impulses are transmitted to operate said counting relays, circuit means whereby each counting relay can effect the energization of the corresponding register relay, and means for causing said

additional register relay to energize responsive to the last impulse of a series of impulses which is greater by one than the number of counting re-



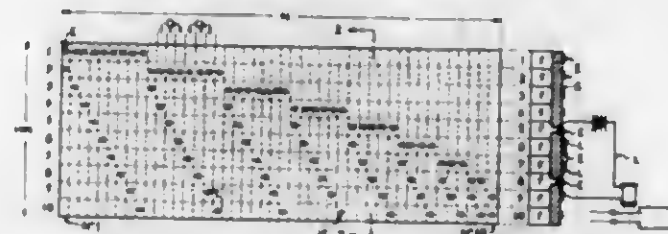
lays, said last means comprising an extension of said impulse circuit completed by the last counting relay.

2,624,786
MATRIX STORAGE SYSTEM
John T. Potter, Port Washington, N. Y.
Application November 8, 1949, Serial No. 126,090
5 Claims. (Cl. 175-321)



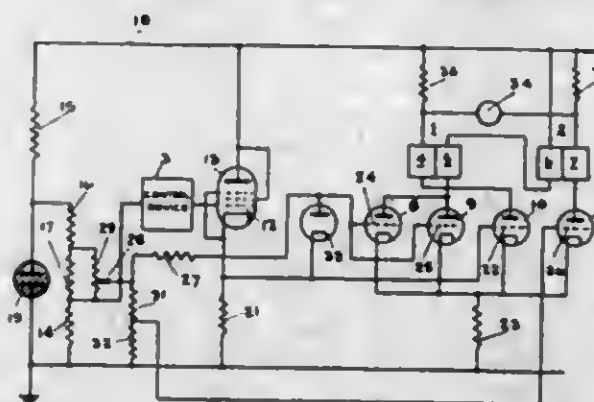
1. In a system for scanning punched cards, the combination of, a plurality of photo-electric cells for simultaneously scanning predetermined groups of holes in a punched card and providing output pulses in accordance with the occurrence of said holes, a photo-electric cell for scanning commutator holes in said cards to provide pulses in accordance with the occurrence of said commutator holes, a plurality of mixers, means for applying both of said pulses to said mixers for providing a third pulse upon the coincidence of said applied pulses, a plurality of thyratrons, a relay coupled to each of said thyratrons, a ring counter including a plurality of stages, means for coupling each stage of said ring with a predetermined group of thyratrons to prime said thyratrons in response to the "on" condition of a ring stage, means for applying pulses from said commutator scanning photo-electric cell to provide stage by stage "on" condition advance in said ring stages, and means for applying said third pulses to said thyratrons to fire the primed thyratrons and to pull up said relays in accordance with the firing of said thyratrons.

2,624,787
PHOTOELECTRIC SELECTOR OF ELECTRIC CIRCUITS
Jaime Urteaga, Santiago, Chile
Application December 31, 1949, Serial No. 136,259
3 Claims. (Cl. 175-321)



1. A selector of the character described including a source of current, a plurality of electric conductor circuits, each one with a plurality of light sensitive elements forming selector chain circuits, said light sensitive elements being disposed in a panel in longitudinal and transverse rows, said longitudinal rows having greater numbers of elements than said transverse rows, and a plurality of light sources which are of elongated form, each light source being located adjacent a longitudinal row, separate chain circuits connecting all the elements in each transverse row in series with a sensitive relay for completing the selected chain circuit, and said chain circuits being activated by a preselected combination of a plurality of light sources.

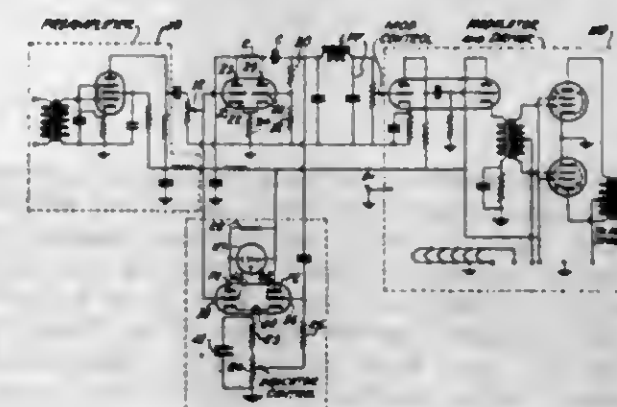
2,624,788
ELECTROMAGNETIC APPARATUS
Thomas Brown Watkins, London, England, assignor to The General Electric Company Limited, London, England
Application October 10, 1951, Serial No. 250,682
In Great Britain October 13, 1950
9 Claims. (Cl. 175-320)



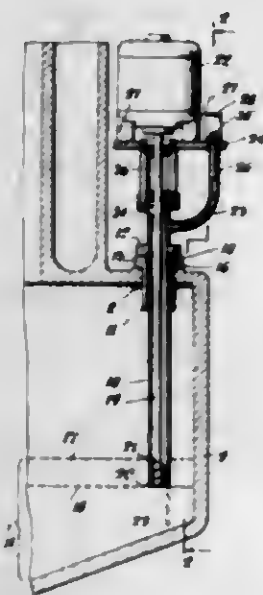
1. Electromagnetic apparatus of the kind arranged to be operated by an electric control signal comprising first and second thermionic valves each of which has a cathode, a control grid and an anode, first and second electromagnetic devices which each has two positions of operation and two operating windings, a first winding of the first electromagnetic device and a first winding of the second electromagnetic device being connected to carry the currents through the first and second valves respectively, a further valve which has a control grid, the second operating windings of the two electromagnetic devices being connected in series to carry the current through the further valve in the direction so that the currents in the two windings of each device tend to oppose one another, bias resistance having a pair of terminals connected in a common cathode circuit of the first and second valves and the further valve, control means adapted to supply a signal which

may be varied to the said grid of the first valve, a first source of voltage which is positive relative to the terminal of the bias resistance remote from the cathode, resistance connected between the first source of voltage and the said grid of the further valve, a rectifier connected between the said grid of the first valve and the said grid of the further valve so as to permit the flow of current to the grid of the first valve, a second source of voltage which is positive relative to the terminal of the bias resistance remote from the cathode, and a connection between the said grid of the second valve and the second source of voltage whereby the two electromagnetic devices may be operated by varying the voltage supplied by the control means to the said grid of the first valve.

2,624,789
PEAK CLIPPER INDICATOR
William W. H. Dean, Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application September 14, 1949, Serial No. 115,582
3 Claims. (Cl. 177-311)



in a body of liquid to the predetermined level, said tube having an upper closed end, a rotatable shaft journaled in the upper end and extending axially through said tube to the open end thereof, means mounted on the shaft adjacent the lower open end of the tube, and adapted to draw liquid into said tube when and only when the liquid is above the predetermined critical level, means for

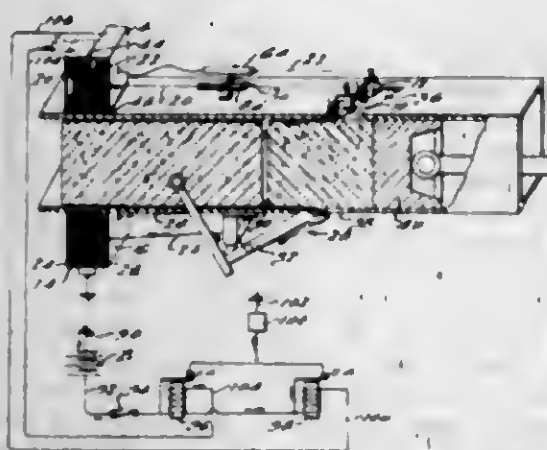


rotating said shaft to actuate the liquid drawing means, a liquid receiving area associated with the tube, and adapted to receive liquid drawn into the tube, a sensory signal, means for actuating the sensory signal disposed in the liquid receiving area and adapted to be operated by liquid received in the area, said means being operable and said signal being actuated only when liquid is received in said area.

2,624,791

ALARM CIRCUIT FOR BALERS AND THE LIKE

Cecil J. Krow, Ralston, Okla.
Application October 10, 1950, Serial No. 189,380
21 Claims. (Cl. 177-311)

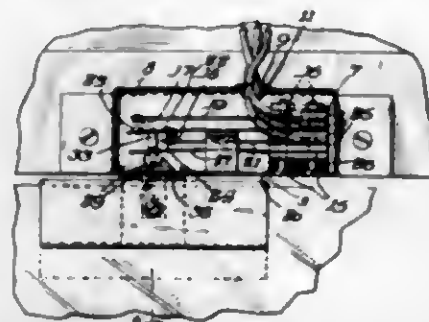


1. In a device of the character described, having a pair of spools containing wire for wrapping material, means operable to periodically secure together a portion of said wire of each said spool as a consequence of the completing of the wrapping of a first package, an electrical circuit including said portions, an alarm, means for normally maintaining said circuit energized, and means responsive to a de-energized condition of said circuit indicative of a discontinuity in one of said portions for energizing said alarm.

2,624,792

CLOSURE MEMBER OPERATED SWITCH

Arthur W. Fruh, Chicago, Ill.
Application August 18, 1949, Serial No. 111,049
9 Claims. (Cl. 177-314)



6. The combination with a closure and a housing therefor in which the closure is movable with respect thereto and an alarm system therefor comprising a magnetically operated switch assembly including a structure having a base member and an armature and another structure movable with respect to the aforesaid structure comprising a magnet operatively mounted with respect to the armature, said structures operatively mounted respectively on the aforesaid closure and housing for relative movement, said switch assembly adapted for actuating the alarm system, of actuating means for said switch assembly comprising a movable spring biased contact member operatively connected with the alarm system, the resiliency of said movable spring biased contact member urging the movable spring biased contact member toward the base member, the aforesaid armature being flat and operatively related to said movable contact member, a spring biased supporting element for the armature, said armature being pivotally connected to and longitudinally of said supporting element, the resiliency of said spring biased supporting element normally urging said armature away from said base member, means for transmitting such movement of the armature to said movable contact member for moving the latter away from said base member in opposition to the resiliency of said spring biased contact member whereby, with the magnet positioned contiguous to the armature upon the closure being closed, the movable spring biased contact member is urged toward the base member upon movement of the armature, and with the magnet moved away from the armature upon opening of the closure, the movable spring biased contact member is urged away from the base member by the action of the spring-biased armature so that the alarm system is actuated or rendered inactive, depending upon the position of the movable spring biased contact member.

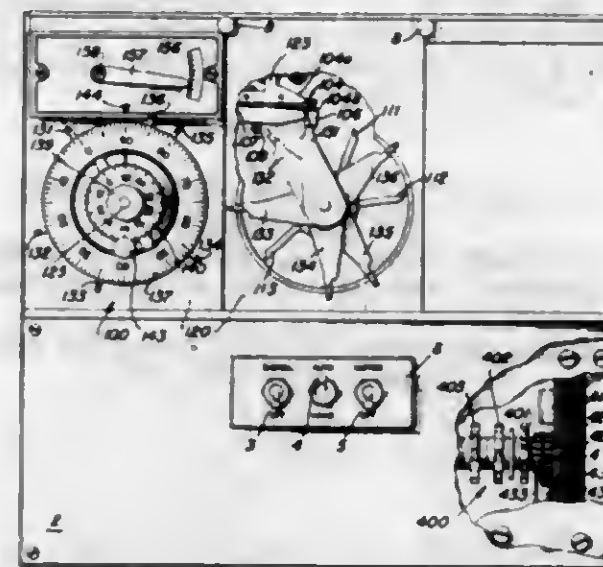
2,624,793

TRAFFIC SIGNALING SYSTEM AND APPARATUS

Frank Arthur Pearson, Moline, Ill., assignor to Eagle Signal Corporation, Moline, Ill., a corporation of Massachusetts
Application February 21, 1949, Serial No. 77,528
14 Claims. (Cl. 177-337)

1. In a traffic signal system for controlling "Stop" and "Go" signals for intersecting main and cross streets, the combination of a step switch for operating said signals in a predetermined sequence, a plurality of timers, each for operating said step switch according to a predetermined time schedule, selecting means for selecting one of said timers to operate said step switch and to

stop the other timers, locking means for preventing operation of said selecting means, and a release circuit operative when said timer reaches a



predetermined position whereby said timer is stopped in said position and the other selected timer is started from said position.

2,624,794

ELECTRIC POWER CABLE WITH CARRIER COUPLING

Francis H. Gooding, Lodi, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application July 8, 1950, Serial No. 172,766
4 Claims. (Cl. 177-352)



1. An electric power cable for the transmission of carrier currents, said cable comprising, in combination, a power cable conductor; insulation therefor; an outer sheath, enclosing the insulated conductor; metal shielding tape, wrapped about the conductor insulation intermediate the sheath and insulation, the shielding tape being broken to provide two lengths of tape isolated from each other and from the remainder of the tape; and carrier current sending and receiving equipment, attached to each of said isolated lengths or sections of tape.

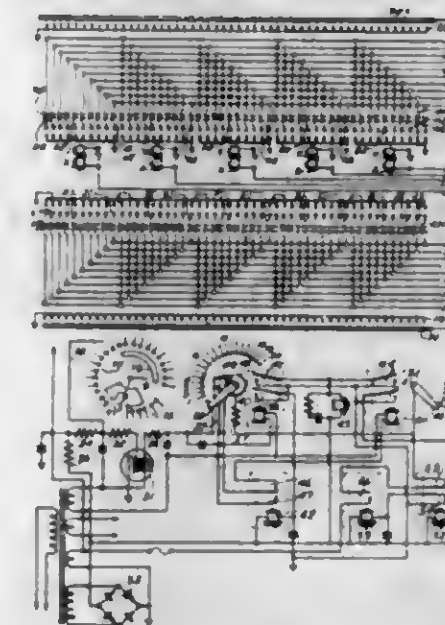
2,624,795

SELECTOR FOR AUTOMATIC PHONOGRAPHS

Albinus G. Bodoh, Glenview, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application November 15, 1949, Serial No. 127,458
11 Claims. (Cl. 177-353)

1. In a selector for automatic phonographs, in combination, a stepping switch, a plurality of circuits each of which is contacted by said switch as a result of an individual number of stepping impulses, a second stepping switch, a second plurality of circuits each of which is contacted by said second stepping switch as a result of an individual number of impulses, means for maintaining the stepping switches in stepped condition, a slow release relay arranged, when ener-

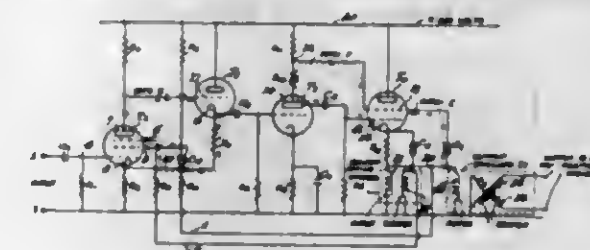
gized, to render said maintaining means operative, switch means associated with said stepping switches for supplying energy to said relay to maintain it energized during both series of impulses, means normally connected to the first stepping switch for supplying impulses thereto, electromagnetic means associated with the first stepping switch for supplying said impulses to



2,624,796

SIGNAL TRANSDUCER WITH DISTORTION COMPENSATING AMPLIFIER

Norman B. Saunders, Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application June 25, 1946, Serial No. 679,126
5 Claims. (Cl. 177-380)

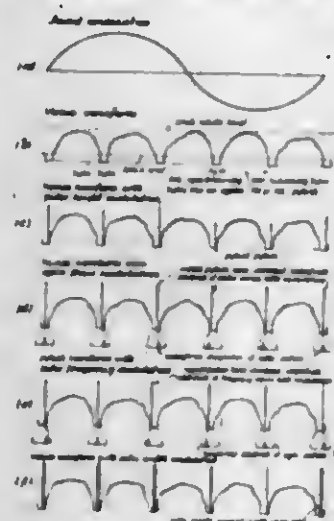


5. In an electrical system having an input circuit, an amplifier, and an output transducer connected to the output circuit of the amplifier, the combination including positive and negative feedback means for correcting the distortion arising within the amplifier, and means for compensating for the distortion generated in the transducer, said compensating means comprising a negative feedback circuit connected from the output circuit of the amplifier to the input circuit thereof and including therein means for producing distortion substantially identical with said distortions generated within said transducer comprising a device electrically equivalent to said output transducer.

2,624,797

TELEVISION SYSTEM

Dennis Illingworth Lawson and Arthur Valentine Lord, Cambridge, England, assignors to Pye Limited, Cambridge, England, a British company
Application October 12, 1946, Serial No. 703,084
In Great Britain October 12, 1945
6 Claims. (Cl. 178-5.6)

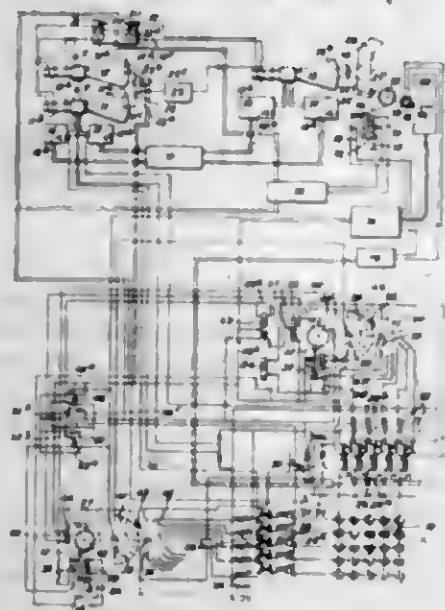


4. Transmitting apparatus comprising means for producing a train of synchronising pulses, means for deriving from said synchronising pulses a series of constant amplitude pulses having a mean repetition frequency equal to the repetition frequency of the synchronising pulses, means for width-modulating said derived pulses with an audio frequency, such that the trailing edges of the sound pulses are fixed in time and the leading edges vary with the modulation, means for mixing the modulated sound pulses in opposite phase with the synchronising pulses and in such timed relation that the sound modulated pulses are positioned within the synchronising pulses and spaced from both the leading and trailing edges thereof.

2,624,798

PHOTOCOMPOSING MACHINE

Emil W. Dinga, Bayside, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application March 23, 1948, Serial No. 16,531
17 Claims. (Cl. 178-6.7)



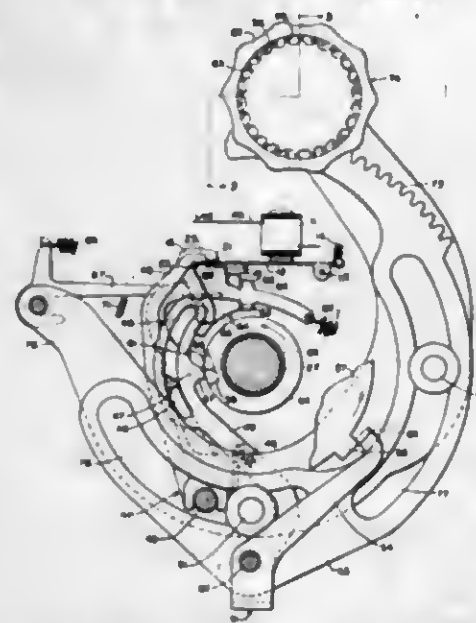
9. In or for a typographical photocomposing machine, the combination of a cathode ray tube, a screen associated with said tube having a series of type characters arranged in predetermined po-

sitions and occupying predetermined areas, means for directing an electron beam at said screen, a plurality of normally inoperative beam deflecting circuits, each associated with a different character of the screen, and a plurality of electrical switches for selectively rendering one of said beam deflecting circuits operative to scan the character associated therewith.

2,624,799

RANGE FINDER FOR TELEGRAPH SELECTORS

Carl W. Swan, Skokie, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 16, 1951, Serial No. 256,776
11 Claims. (Cl. 178-33)



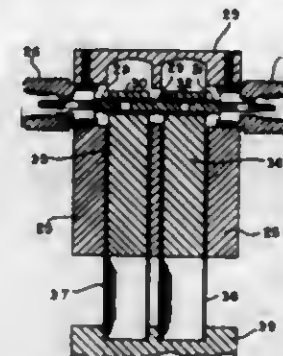
5. In a telegraph receiver, a selecting mechanism responsive to received code combinations of electrical impulses comprising a set of selectors, a frictionally driven rotatable cam member for governing said selectors, said member having a stop disc, signal responsive means having an armature, a stop member having a stop portion and a cam follower portion, a rotatable orientation plate mounted concentrically with said cam member, said stop member pivotally mounted on said plate and adapted through its stop portion to coact with said stop disc to stop said cam member in various angularly adjusted positions, a stationarily pivoted lever normally latched by said armature, spring means acting to rotate said lever when said lever is unlatched in response to a start signal, cam means operative during the rotation of said rotatable cam member to return said lever to said normal latched position against the action of said spring means, said lever and said stop member having cooperating cam and slot facilities for constraining said stop member to move with said lever through the articulation of said follower portion with said cam slot, said cam slot conformed to cooperate with said follower portion in all adjusted positions of said stop member, whereby orientation of said cam member with respect to said selectors, is effected, and a knob and detent adjusting means comprising an internal gear integral with said knob, said gear having V-shaped teeth adapted to cooperate with a lesser number of identical teeth on said detent so that the peaks of a predetermined number of pairs of teeth will mesh in interlocking meshing engagement in each adjusted position of said orientation.

2,624,800

WITHDRAWN

2,624,801

TUNABLE BAND-PASS COAXIAL FILTER
Paul I. Richards, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application January 3, 1946, Serial No. 638,898
3 Claims. (Cl. 178-44)

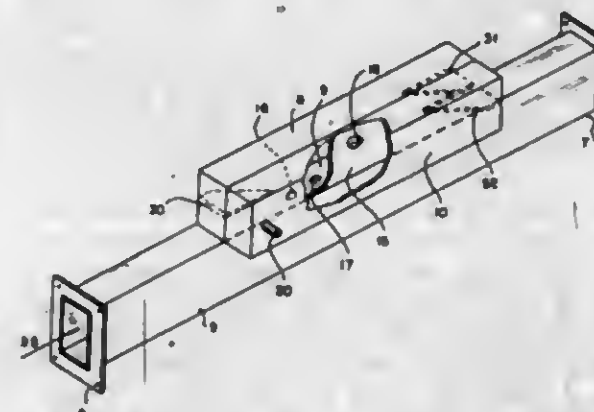


1. A band-pass coaxial filter comprising a conducting block forming an outer conductor of the coaxial filter, said block having two lengthwise bores and a communicating transverse bore, coaxial line connectors mounted on said block at opposite ends of said transverse bore, two conducting cylinders one disposed in each of said lengthwise bores to afford concentric transmission line resonators, each of said cylinders having a transverse opening axially aligned with the transverse bore in said block, two metal plugs extending respectively from the center conductors of said connectors into the openings in said conducting cylinders, a third metal plug extending between said cylinders and terminating in spaced relation to said first two plugs, first and second insulating sleeves respectively enclosing said first and third plugs and said second and third plugs, said sleeves being fitted within the openings in said cylinders and affording capacitive coupling between said two resonators and respectively between said connectors and said resonators, and tubular plungers respectively disposed within said lengthwise bores and fitted around said cylinders for adjusting the effective lengths of said resonators.

2,624,802

BROAD BAND COUPLER

James M. Wolf, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application January 7, 1946, Serial No. 639,643
3 Claims. (Cl. 178-44)



3. A microwave energy coupler for providing constant coupling over a broad operating frequency band including input microwave energy transmission means, intermediate microwave

energy transmission means joined to said input transmission means by a first common wall, output microwave energy transmission means joined to said intermediate transmission means by a second common wall, one of said common walls having coupling means therein providing an increasing coupling with increasing operating frequency, the other of said common walls having coupling means therein providing a decreasing coupling with increasing operating frequency.

2,624,803

DEVICE FOR MEASURING RADIO-FREQUENCY POWER

Robert A. Howard, Tulsa, Okla., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application January 17, 1946, Serial No. 641,830
7 Claims. (Cl. 178-44)

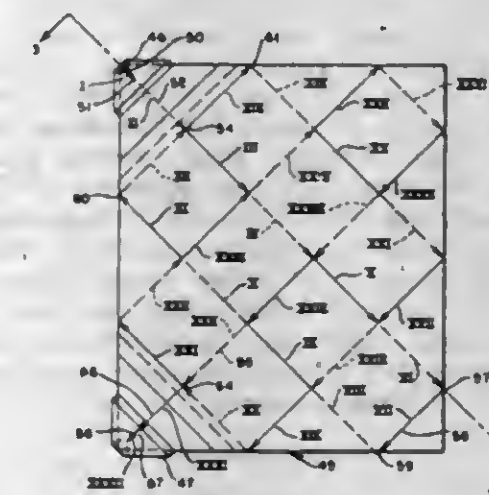


4. In a device for measuring radio frequency power, the arrangement comprising a wave guide terminated in a flared short-circuited section, and a temperature-sensitive resistive element having a susceptance that varies with the frequency of the energy supplied thereto, said element being suspended within said wave guide at a predetermined location.

2,624,804

SOLID DELAY LINE

David L. Arenberg, Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 2, 1946, Serial No. 659,110
20 Claims. (Cl. 178-44)



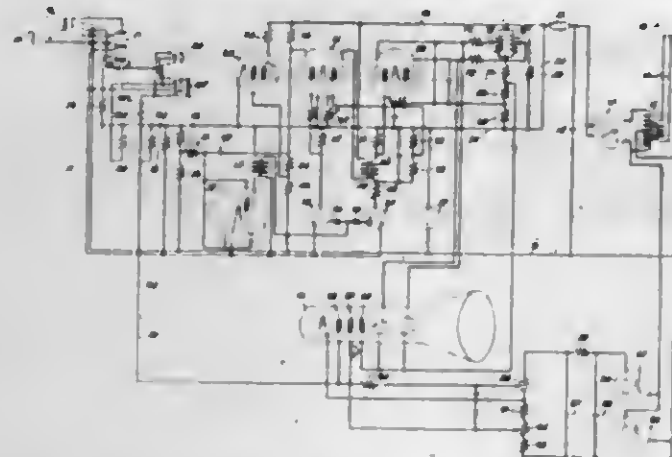
1. A delay line comprising a solid block of transmission material having a given mode conversion angle for conversion of supersonic energy from a first mode to a second mode, means mounted upon said block for inducing supersonic energy therein at said first mode of propagation, said means being so mounted that the angle of incidence of said energy with one of the boundaries of said block is substantially equal to said conversion angle thereby causing said energy to be translated into said second mode, said energy then being multiply reflected from the boundaries of said block, and means mounted upon said block for receiving said reflected and delayed energy.

2,624,805

TELEGRAPH SIGNAL DISTORTION
MEASURING APPARATUS

Wilton T. Rea, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 20, 1943, Serial No. 515,064, now Patent No. 2,480,878, dated September 6, 1949. Divided and this application August 13, 1949, Serial No. 110,076

11 Claims. (Cl. 178-69)



1. In a telegraph signal measuring system, a source of direct-current voltage having positive and negative output conductors, a first plurality of electron discharge tubes having their cathodes connected to said negative conductor, a second plurality of electron discharge tubes having their anodes connected to said positive conductor, a conductor connected to the anodes of said first plurality of tubes and to the cathodes of said second plurality of tubes and established by said tubes at a potential intermediate the potentials of said positive and negative conductors, a signal responsive relay having a biasing winding and operable in response to a signal train to cut off current through said first plurality of tubes, a plurality of other conductive paths connected between said negative and intermediate potential conductors including said biasing winding and a voltage stabilizing device adapted to fix the voltage between said negative and intermediate potential conductors, and means responsive to the cutting off of current through said first plurality of tubes for reducing the total current flow through said second plurality of tubes by substantially the amount of the reduction in current through said first plurality of tubes whereby to maintain constant the flow of current through said other conductive paths including said voltage stabilizing device so as to afford the full stabilizing capabilities of said stabilizing device to compensate for voltage variations in said voltage source.

2,624,806

CARRIER TELEPHONE SYSTEM AND SUPERVISORY SIGNALING ARRANGEMENT THEREFOR

Esmond Philip Goodwin Wright, William Frederick Gould, Thomas Frederick Stanley Hargreaves, and William John Reynolds, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application July 17, 1947, Serial No. 761,646

In Great Britain April 15, 1946

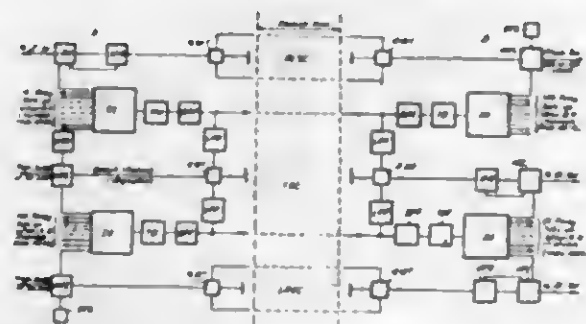
Section 1, Public Law 690, August 8, 1946

Patent expires April 15, 1966

8 Claims. (Cl. 179-15)

1. A carrier telephone system comprising a first station, a second station, a plurality of first

speech channels between said stations, a plurality of second speech channels between said stations, a signal channel included in and being common to respective speech channels of said first and second pluralities, transmitting and receiving means at each of said first and second stations being connectable to respective first and second speech channels and to said signal chan-



nels, said transmitting means being operative to simultaneously transmit signals including a speech channel identity signal over said signal channels and means connected to said receiving means at said first and second stations being operative to allocate signals to respective first and second speech channels in accordance with said speech channel identity signals.

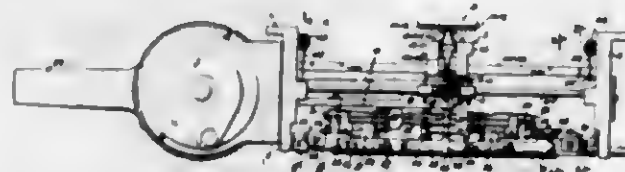
2,624,807

HOMING ARRANGEMENT FOR SELECTOR SWITCHES

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 2, 1949, Serial No. 85,186

9 Claims. (Cl. 179-27.53)



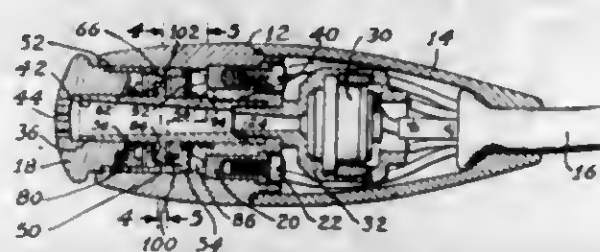
1. In a selector switch comprising a frame, a plurality of terminals supported by said frame and arranged in at least two parallel rows, a carriage mounted on said frame for reciprocating movement in a path parallel to said rows of terminals, brushes carried by said carriage and adapted to engage respectively the terminals of said rows as said carriage reciprocates, means for reciprocating said carriage, and an electrical circuit, the combination of said selector switch with means controlled by the movement of said carriage for connecting said circuit with one brush when the carriage is moving in one direction and with the other when the carriage is moving in the other direction, said last-mentioned means including spring contacts, a member movable into two positions and engaging said contacts to connect said circuit to one brush when said member is in one position and to the other brush when said member is in the other position, and means attached to said carriage for moving said member into one position at the end of the movement of the carriage in one direction and into the other position at the end of the movement of the carriage in the other direction.

2,624,808

SIGNALING SWITCH DEVICE

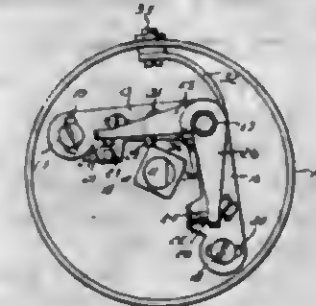
Eric E. Anderson, Needham Heights, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc., a corporation of Delaware
Continuation of application Serial No. 582,466, March 13, 1945. This application March 30, 1949, Serial No. 84,362

1 Claim. (Cl. 200-4)



An electric switch comprising in combination, a spring actuated rotary contact member, a co-operating stationary contact member, rotatably and axially movable plunger means having operating means engageable with the rotary contact member, releasable locking means for maintaining said rotary contact member in circuit opening position, said operating means actuated by the axial movement of said plunger means for releasing said locking means, and means actuated by the rotary movement of said plunger means for engaging and resetting the rotary contact member in circuit opening position.

upon said stationary shaft, means for urging said arms toward each other, means for limiting the movement of said arms toward each other to approximately a right angle, a square cam having flattened corners affixed to the revolvable shaft, a fiber finger carried by one of said arms and having its outer end in contact with the sides of said cam, a pair of fixed contact members mounted in said casing each adjacent the outer



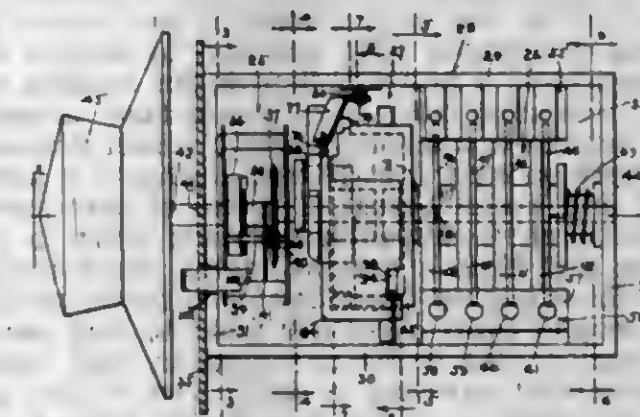
end of one of said arms, and a movable contact member carried by each of said arms and each adapted to contact one of said fixed contact members, said means for urging the arms toward each other includes a spring interconnecting one of said arms with the walls of said casing, a pin affixed to the other arm, and a second spring affixed to the first-mentioned arm and bearing against said pin at its outer end.

2,624,811

SEQUENTIAL TIMER AND THE LIKE

William C. Crimmins, Marion, Ind.
Application July 28, 1949, Serial No. 107,256

14 Claims. (Cl. 200-33)



3. A switch for selectively closing one of two circuits but preventing simultaneous closure of both, comprising a first pair of spaced conductively interconnected contacts adapted to serve as a common connection to one side of both circuits, a flexible conductive strip fixed intermediate its ends so as to present two flexible cantilever arms, each arm having its obverse face normally bearing against one of the first pair of contacts, and a second pair of contacts each adapted to serve as a connection to the other side of one of the two circuits and each adapted to be engaged by the reverse face of one of the arms when that one of the arms is flexed to break engagement between its obverse face and one of the first pair of contacts.

1. In a sequential timer the combination of a timing element including main spring drive means and a main shaft in driving connection with said main spring and means to release said main shaft for rotation in the unloading direction at substantially uniform speed, a contact control element including a movable contact movable between circuit open and circuit closed positions, and including movable means to move said contact between such positions, and an escapement connection between said timing element and said contact control element, said escapement connection including primary and secondary escapement elements and an escapement follower between said primary and secondary escapement elements, a driving connection from the timing element main shaft to said primary escapement element effective to drive said escapement element at substantially uniform speed during unloading of the timing element, a control connection between the secondary escapement element and the contact control element, power spring means urging the contact control element movable means and the secondary escapement element to move in the unloading direction, to-

2,624,810

DOUBLE POINT IGNITION DISTRIBUTOR

Oscar A. Dietzsch, Los Angeles, Calif.
Application December 20, 1951, Serial No. 262,577

2 Claims. (Cl. 200-30)

1. A device of the character described comprising a casing, a revolvable shaft extending centrally therethrough, a stationary shaft eccentrically mounted in said casing, a pair of breaker arms each pivotally mounted at one of its ends

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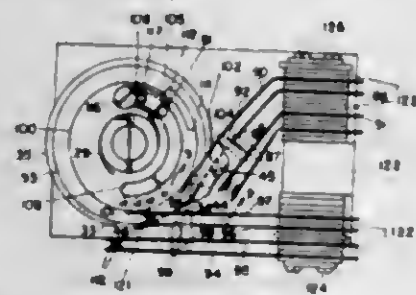
gether with interengageable means on the primary escapement element and the escapement follower to control movements of said follower according to movements of the primary escapement element, and interengageable means on the escapement follower and the secondary escapement element effective to lock the secondary escapement element at different positions corresponding to movements of said follower as controlled by the primary escapement element.

2,624,812

TIMING DEVICE

Burton E. Shaw, East Foxford, and Philip Gluffrida, Lawrence, Mass., assignors to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts

Application January 2, 1948, Serial No. 262
5 Claims. (Cl. 200—38)



1. A program switch comprising: a synchronous motor having a drive shaft flatted toward its outer end, a master cam secured to a bushing which is mounted on said motor shaft, said bushing terminating in a toothed face; a slotted disk mounted on the flatted part of said shaft and having a serrated edge adapted to engage said toothed face; a retaining spring for holding said disk in yielding contact with said face; a second cam secured to a second bushing which is mounted freely on said first-named bushing; a groove near, and a slot across, the end of said second bushing; an S-shaped leaf spring lying in said groove and slot; a handle having inner projections for engaging the ends of said spring to drive said second cam; a pointer fixed to said second bushing; a dial freely mounted on said second bushing and carrying a scale over which said pointer rides; a circumferentially slotted cam fixed to said dial; a slot in said dial coinciding with the slot in said last-named cam; a second pointer riding in said dial slot and a second scale on said dial cooperating with said second pointer; a screw extending through said second pointer and the slots in said dial and last-named cam into a tapped hole in said master cam for the purpose of securing all of said cams together; and a plurality of spring leaf contacts adapted to be operated by said cams.

2,624,813

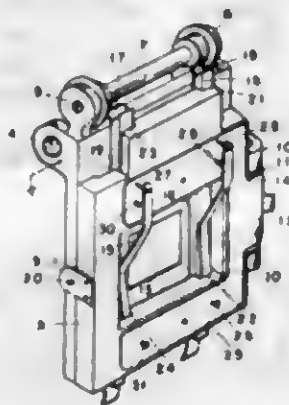
GATE SWITCH

Philip Gluffrida, Lawrence, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts

Original application November 1, 1946, Serial No. 707,107. Divided and this application September 11, 1950, Serial No. 184,149
9 Claims. (Cl. 200—52)

1. A switch for film break detection in motion picture projectors comprising: a pair of apertured frames hinged together and adapted to operate as the gate of the projector; a pair of contacts, one mounted on each of said frames,

arranged to engage between them a border of a film passing through the gate; and spring means



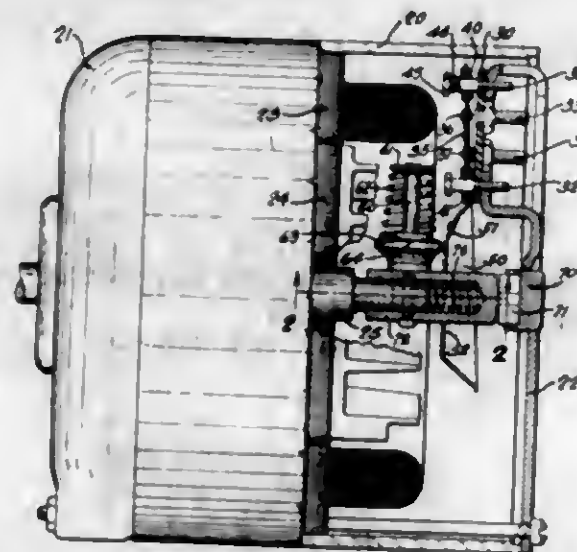
for pressing said contacts into engagement in the absence of film in the gate.

2,624,814

SWITCH LOCATOR

Ralph K. Shewmon, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 2, 1951, Serial No. 224,158
8 Claims. (Cl. 200—80)



1. In a device of the character described, a stationary housing; a rotatable shaft; a control device attached to the housing said control device having a shiftable member; of centrifugal means driven by said shaft and engaging said shiftable member, said means being operative in response to centrifugal force to actuate said shiftable member; a sleeve slidably carried by the shaft; means fixedly attaching the centrifugal actuating means to the sleeve and connecting the sleeve to the shaft for causing the sleeve to rotate with the shaft and be slidable longitudinally relatively thereto; an immovable locating spacer presenting a surface predeterminedly located relatively to the control device, said surface being engaged by one end of the sleeve; and means engaging the other end of the sleeve for holding it against the spacer.

2,624,815

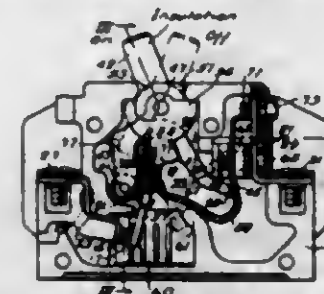
CIRCUIT BREAKER

Harlan S. Gano, Wilkinsburg, and Gerald J. Freese, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 7, 1945, Serial No. 592,446
13 Claims. (Cl. 200—88)

1. A circuit breaker comprising a fixed contact, a movable contact, an operating handle of insu-

lating material mounted on a fixed pivot, a contact actuating arm pivotally supported on said handle and moving said movable contact relative to said fixed contact to open and close the circuit, a releasable member mounted on a fixed pivot, an overcenter spring connected between said releasable member and said contact actuating arm and normally biasing said contact actuating arm to closed position, said handle being manually operable to move the contact actuating arm relative to the line of action of said overcenter spring to thereby cause said spring to operate



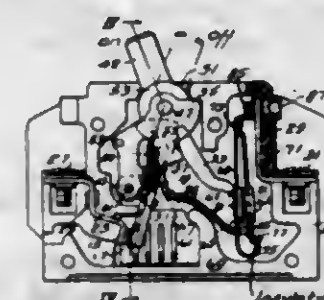
the contact actuating arm with a snap action to manually open and close the contacts, and a trip device operable in response to abnormal circuit conditions to release said releasable member to change the line of action of said overcenter spring and effect automatic opening of said contacts, and a lever having a fixed pivot point about which it is rotated by movement of said releasable member, said lever having a portion engageable with said contact actuating arm upon release of said releasable member to start said movable contact in opening direction.

2,624,816

CIRCUIT BREAKER

Melvin Bingenheimer, East McKeesport, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 9, 1945, Serial No. 592,804
11 Claims. (Cl. 200—88)



1. In a circuit breaker comprising relatively movable contacts and a releasable member biased to effect opening of said contacts, trip means operable to release said releasable member in response to overload currents comprising an electromagnet having a core member and an armature movable magnetically relative to each other, a current responsive bimetal element which flexes when heated, said core member and armature surrounding said bimetal element and both being carried by said bimetal element which forms the sole support therefor, a single latch portion connected to and movable at all times with said armature and normally engaging and restraining said releasable member against its bias, said single latch portion releasing said releasable member both upon thermal movement of the bimetal element and upon magnetic attraction of the armature to the core member, said core member and said armature both being

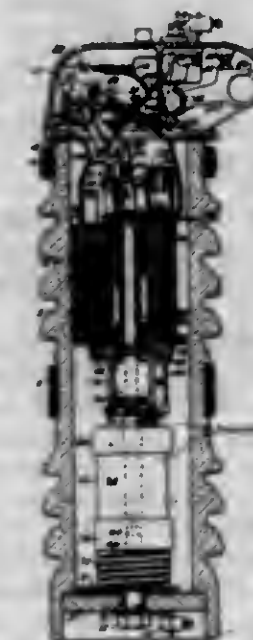
connected to be moved by flexing of the bimetal element while the said core member and armature remain in substantially fixed relation to each other to thereby cause movement of said single latch portion connected to the armature and release of said releasable member upon the occurrence of overloads of relatively low values, resilient means opposing movement of said armature toward said core member, said armature being magnetically movable toward said core member against the bias of said resilient means without substantially moving said bimetal element to thereby cause movement of said single latch portion connected to the armature and release of the releasable member upon the occurrence of heavy overloads or short circuits, and said releasable member having an end portion engageable with said single latch portion to move it and the armature against the bias of the resilient means opposing movement of the armature so as to relatch with said single latch portion without substantial movement of the bimetal element.

2,624,817

CIRCUIT INTERRUPTER

Herbert L. Rawlins, Pittsburgh, and James M. Wallace, Braddock, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 2, 1945, Serial No. 602,876
22 Claims. (Cl. 200—89)



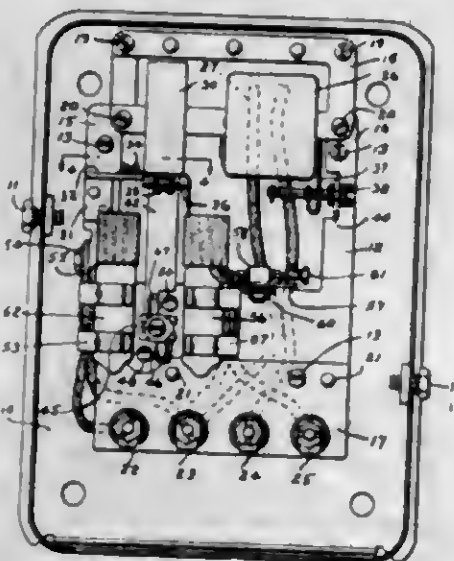
9. In an automatic reclosing circuit interrupter having separable contacts, means responsive to a predetermined circuit condition for causing separation of said contacts, means for automatically reclosing said contacts following circuit interrupting operation, fluid dashpot means for delaying separation of said contacts after the occurrence of said predetermined condition, said dashpot means having vent means associated therewith for the passage therethrough of fluid displaced by operation of said dashpot means, means preventing free flow of said displaced fluid in a reverse direction, means responsive to the amount of fluid displaced by said dashpot means through said vent means in a predetermined time which is greater than the amount of fluid displaced during a single operation for restricting said vent means so that at least one predetermined circuit interrupting operation in any series of relatively closely successive circuit interrupting operations will be delayed by said dashpot means,

and said last-mentioned means having a manually adjustable part for determining the number of circuit interrupting operations in any such series of closely successive operations which are delayed by said dashpot means.

2,624,818

VOLTAGE REGULATING RELAY

Ira E. McCabe, Chicago, Ill.

Application May 10, 1950, Serial No. 161,045
8 Claims. (Cl. 200-102)

6. In a voltage regulating relay for controlling the voltage of an electric current, the combination with an elongated metal core, of a primary coil in encircling relation with said metal core, a movable coil also in encircling relation with the metal core and positioned in associated relation with respect to the primary coil, means supporting the movable coil for limited oscillating movement as a result of voltage variations in the current traversing the primary coil, means for adjusting the position of the primary coil toward and away from the movable coil, a carrier arm fixed to and depending from said movable coil, magnetic means secured to the free end of said arm, an electric switch disposed on each side of the carrier arm and each switch providing a switch contact positioned for actuation by the magnetic means, an adjustable carriage supporting one of said electric switches whereby adjustment of the carriage varies the spaced relation between the electric switches, resilient stop elements fixed to the carrier arm, and adjustable abutment posts located on respective sides of the carrier arm and adapted for contact by the resilient stop elements to limit the oscillating movement of the carrier arm in both directions.

2,624,819

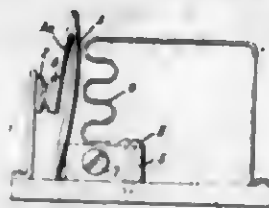
SNAP ACTION SWITCH

James A. Spina, Schenectady, and Edward O. Andersen, Ballston Spa, N. Y., assignors to General Electric Company, a corporation of New York

Application January 10, 1951, Serial No. 205,282
13 Claims. (Cl. 200-138)

7. A snap action thermostatic switch comprising a base, a fixed contact mounted upon said base, a normally flat bimetallic switch blade formed to provide a pair of side arms and a re-entrant central arm disposed in edgewise side-by-side relation and connected together at one end of said central arm, said blade having a reduced transverse section at the point of connection of each side arm thereof with the said cen-

tral arm and when unstressed lying in a normal plane with said side arms spaced apart in a region adjacent the other end of said central arm, a movable contact mounted upon said other end of said central arm and on the low expansion side of said blade, and means for mounting said blade upon said base, said mounting means holding said side arms in cambered relation at said region and about the axis of said central



arm with the high expansion metal of said blade on the concave side thereof thereby to deform said blade into a dish formation and angularly displace said central arm from said normal plane and toward the convex side of said blade, said blade when heated reversing its dish formation thereby to snap said central arm to a reverse position of angular displacement with respect to said normal plane.

2,624,820

ELECTRICAL CONTACT

Joseph Arthur Payette, North Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

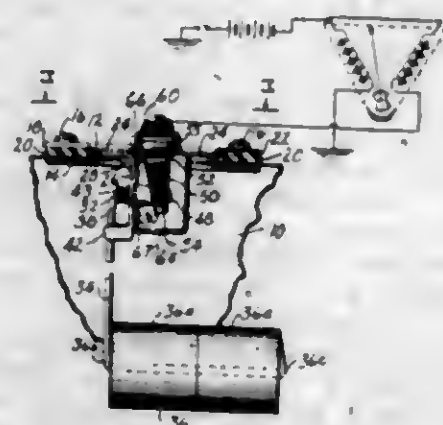
Application January 14, 1950, Serial No. 138,572
10 Claims. (Cl. 200-166)

1. An electrical contact comprising a facing layer of contact metal and a backing layer of base metal superficially secured together, said contact metal layer having a peripheral shape different from the peripheral shape of said backing metal layer.

2,624,821

TANK HEAD FITTING WITH SAFETY FACTOR

William McCandless, Toledo, Ohio

Application April 28, 1949, Serial No. 90,063
8 Claims. (Cl. 201-48)

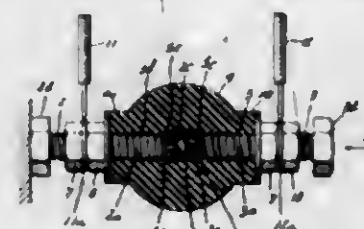
1. In a device of the class described, a mounting plate having a central depression and a depending peripheral flange to form a gasket seat, a depending bracket attached in normal relation

to the lower side of the plate on depressed portion, a conical insulating support having wound thereon a resistance coil, a bracket to mount the conical support to the floor of the depression, said bracket being distortable to allow adjustment of the conical support in transverse planes, terminal means cooperating with the bracket to attach the bracket to the floor and to make electrical contact with an end of the resistance wire whereby the terminal means is enabled to place the resistance in an extraneous electric circuit, said distortable bracket aligning one side of the conical support of the resistance wire in parallel juxtaposition with the bracket, bearing means in the bracket, an arm having a portion journaled in the bearing means, and a grounded contact means attached to the journaled portion to sweep in an arc over the resistance wire on the conical support on the side in parallel relation with the bracket.

2,624,822

RHEOSTAT

Howard I. Becker, Vischers Ferry, N. Y., assignor to General Electric Company, a corporation of New York

Application July 29, 1950, Serial No. 176,760
8 Claims. (Cl. 201-50)

1. A compression type rheostat comprising a compressible resistance material, electrode means engaging said material to conduct electric current therethrough, a force transmitting means of insulation material responsive to controlled forces thereon to vary the pressure on said resistance material, a flexible housing of rubber-like material having a hollow interior there-through to accommodate said force transmitting means, said resistance material and said electrode means, said housing having a thickened central wall section to apply a restorative force to said resistance material to maintain predictable resistance values through said resistance material corresponding to the values of said controlled forces.

2,624,823

ELECTROCONDUCTIVE ARTICLE

William O. Lytic, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

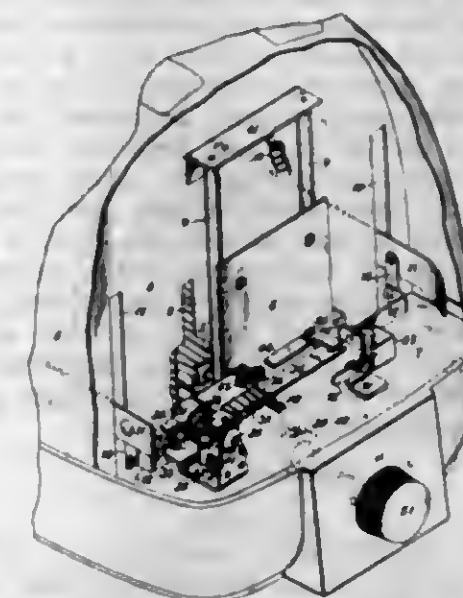
Application June 23, 1949, Serial No. 100,961
11 Claims. (Cl. 201-73)

1. An article of manufacture which comprises a refractory base having thereon a pair of laterally spaced electroconductive bus bars and a transparent electroconductive metal oxide coating, said bus bars and metal oxide coating being bonded to the refractory base by a rough intermediate layer containing pulverulent granular refractory particles.

2,624,824

TOASTING APPARATUS

George P. Daiger, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

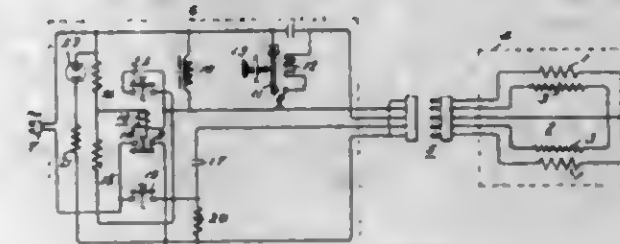
Application July 13, 1948, Serial No. 38,411
14 Claims. (Cl. 219-19)

10. In a toaster, an oven, means for heating said oven, means movable between toasting and non-toasting positions, means biasing said movable means to non-toasting position, a plurality of members forming a mechanical train for timing a toasting operation including a terminating member for holding said movable means in toasting position, a thermostatic member deformable by heat to actuate said train to operate said terminating member to release said movable means, means for heating said thermostatic member, means forming a releasable and engageable connection between two of said members of said train operative when released to allow thermal deformation of said thermostatic member without actuating said train, and means operated by said movable means when in toasting position for engaging said connection and for energizing said heating means.

2,624,825

TEMPERATURE CONTROL CIRCUIT

George C. Crowley, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application April 11, 1951, Serial No. 220,440
3 Claims. (Cl. 219-20)

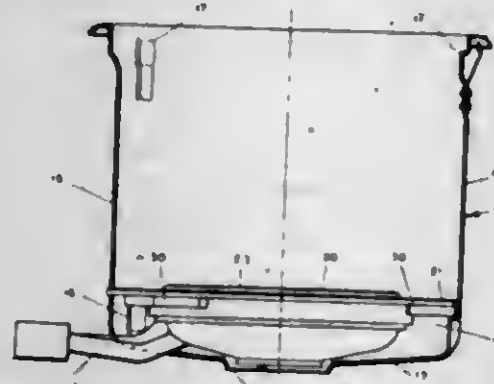
1. In a control circuit including a control element comprising a heater resistor and a signal wire having between them a layer of material which is substantially an insulator at one temperature and at a predetermined higher temperature a conductor of electricity, a pair of supply terminals, a manually operable switch biased to the open position, an impedance bridge connected in series with said switch across said terminals, two legs of said bridge collectively comprising in serial relationship a capacitor, said signal wire

and reactance means, and the other two legs collectively comprising a pair of resistors serially connected, a control relay having an operating coil and contacts biased to the open position, a current limiting resistor, a circuit connecting said contacts and said current limiting resistor in serial relationship across said switch, means connecting said operating coil across said impedance bridge to derive voltage therefrom to operate said contacts to the closed position, and a circuit connecting said contacts and said heater resistor serially across said supply terminals to enable the current paths formed between said signal wire and said heater resistor upon conducting status of said layer to complete parallel circuits about two legs of said impedance bridge to effect a reduction in the voltage on said operating coil to a value such that said contacts return to said open position and said switch during said conducting status of said layer is ineffective upon being closed to energize said operating coil to again close said contacts.

2,624,826

ELECTRIC HEATING

Harry C. Cunningham, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1951, Serial No. 206,163
4 Claims. (Cl. 219-37)



1. An electric heating device comprising a receptacle and an electric heating unit movable in said receptacle between an upper position and a lower position, said receptacle comprising means constructed and arranged to support said heating unit in said lower position and including four supporting projections on the inner face of the well, said supporting projections being circumferentially spaced to permit passage of said heating unit in tilted condition and constructed and arranged to support said heating unit in said upper position, two of said supports being located approximately on one diameter of said receptacle and the other two approximately on another diameter of said receptacle disposed at an angle of not less than approximately sixty degrees nor more than approximately eighty degrees from said one diameter.

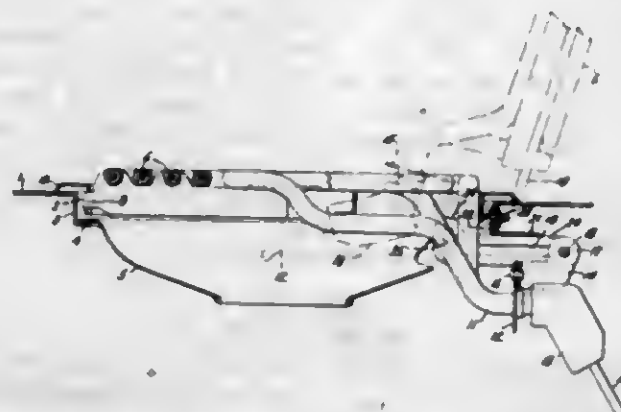
2,624,827

SURFACE UNIT TILTING MEANS

Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1951, Serial No. 254,088
3 Claims. (Cl. 219-37)

1. In an electric range, a top plate having an opening, a cooking unit positioned in the opening, means forming a part of the cooking unit which rests on the top plate for supporting the

cooking unit in said opening, and means pivotally connecting the cooking unit to the top plate comprising a hinge bracket fixed to the rear of the cooking unit, a hinge bracket fixed to the top plate at the rear edge of said opening, and means pivotally connecting said hinge brackets comprising pivot pin means on one of said brackets, the other bracket having slot means in which said pivot pin means is positioned, said slot means including a generally horizontal por-

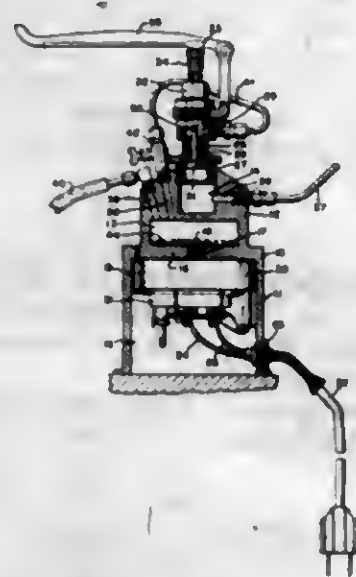


tion and a generally vertical portion at one end of said horizontal portion and said portions having lengths sufficient to permit the front end of said cooking unit to be raised from said opening and the unit slid forward and turned on said pivot pin means and so that when said pin means is located at the upper extremity of the vertical portion of said slot the cooking unit may be tilted to a position beyond the vertical with its rear edge resting on said top plate at the rear of said opening.

2,624,828

AUXILIARY STEAM GENERATOR FOR STEAM PRESSING IRONS

Collins P. McCracken, Inglewood, and Ernest L. Chrisman, South Gate, Calif.
Application July 5, 1949, Serial No. 103,122
9 Claims. (Cl. 219-38)



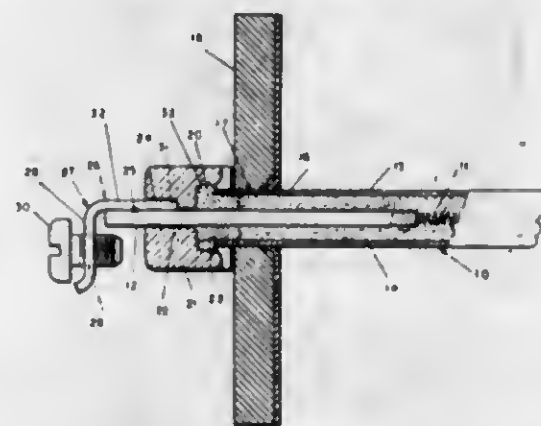
9. In an auxiliary steam generator of the character described: a hollow body having therein a steam chamber, an inlet passage for conducting water into the steam chamber and an outlet passage for steam disposed above the bottom of the steam chamber; an electric heater supported in such position that it will directly heat the bottom wall of the steam chamber to a temperature above the boiling point of water; a thermostat controlling the flow of electric current to said electric heater; and splash preventing

means in said steam chamber positioned between said bottom wall and said outlet passage, said splash preventing means comprising filamentous material arranged across the bottom wall so as to define a plurality of small openings through which steam may pass and being arranged so as to prevent splashing of water into said outlet passage when boiling of water in the steam chamber occurs.

2,624,829

ELECTRIC HEATING DEVICE

Walter J. Dzaack, Glenshaw, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1950, Serial No. 197,474
2 Claims. (Cl. 219-38)



1. A sealing closure for an electric heating device having resistor means including a terminal and sheath means generally enclosing said resistor means and provided with a tubular portion defining an opening through which said terminal extends, said closure comprising a mass of yieldable rubber-like material disposed within said opening and in sealing engagement with the adjacent inner wall surface of said tubular portion and the adjacent surface of said terminal, said material extending outwardly of said opening, and a member overlying said opening and having a recess providing a surface encompassing said tubular portion and shaping the outwardly extending rubber-like material about and against the terminal end and the adjacent outer wall surface of said tubular portion.

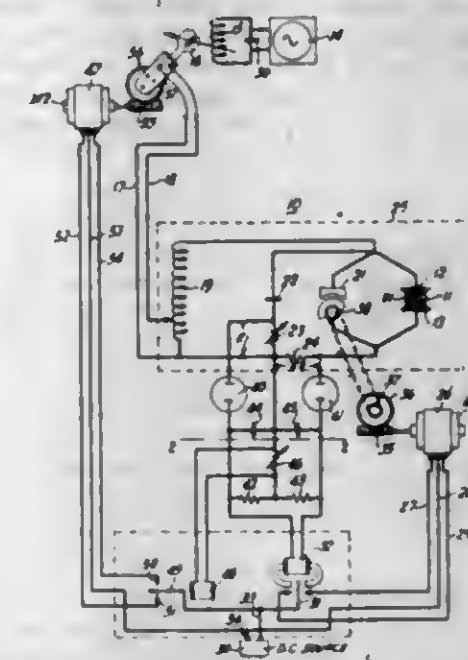
2,624,830

HIGH-FREQUENCY DIELECTRIC HEATING APPARATUS

George Muntz, Jr., Port Washington, N. Y.
Application March 30, 1948, Serial No. 18,037
3 Claims. (Cl. 219-47)

1. In high frequency dielectric heating apparatus of the type adapted to support between a pair of electrodes a dielectric substance to be heated which has the property of varying its dielectric constant as its temperature changes, a source of high frequency electrical waves for heating said substance, a resonant circuit including a variable condenser and the work condenser formed by said dielectric member and said pair of electrodes, a coupling circuit including a fixed coil and movable coil for applying waves from said source to said resonant circuit, means responsive to the change in impedance in said work condenser and including a first motor connected to vary the capacitance of said variable condenser for maintaining the resonant frequency of said resonant circuit substantially constant, and means responsive to current flowing in said resonant circuit and including a second motor con-

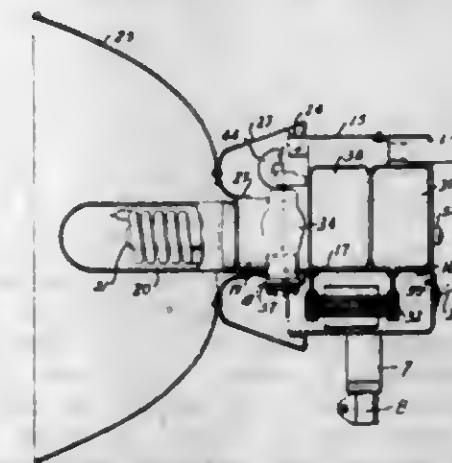
nected to vary the position of said movable coil with respect to said fixed coil for maintaining



2,624,831

UNITARY PORTABLE PHOTOGRAPHIC ILLUMINATION SOURCE

Edward R. Farber, Milwaukee, Wis.
Application June 28, 1949, Serial No. 101,862
4 Claims. (Cl. 240-1.3)



1. In a device of the character described, the combination with a shell having a side wall and one substantially closed end and one open end, a frame fixed within the shell, a lamp mounting projecting from the open end of the shell, electronic tube mountings at opposite sides of the lamp mounting and carried by said frame, a power pack including a storage condenser mounted on the frame and a transformer mounted on the frame and a flash tube disposed in said mounting and resistances and wiring all disposed within the shell as a self-contained portable unit and in operative connection with said lamp mounting for the storage of energy in said condenser and the discharge thereof to said lamp mounting.

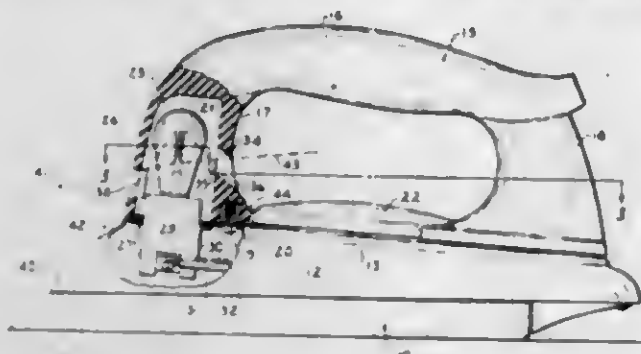
2,624,832

ILLUMINATED ELECTRIC IRON

Joseph K. Moyer, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 17, 1947, Serial No. 761,481
2 Claims. (Cl. 240-2)

1. In an electric iron, a body having a sole plate, a handle having a hand grip spaced above

said body by a downwardly extending supporting leg attached to said body, temperature control means for said sole plate arranged above said body adjacent the base of said supporting leg and beneath said hand grip, means defining a light chamber in said handle supporting leg, light means in said chamber, and means defining an



opening in the wall of said chamber in said supporting leg beneath said hand grip adjacent said control means for directing light rays onto said temperature control means to illuminate the latter below said hand grip and eliminate the shadow cast by said hand grip on said temperature control means.

2,624,833

MEANS FOR REGULATING THE POSITION OF COLD CATHODE LIGHTING SUPPORTS
William Stein, Ozone Park, N. Y.
Application April 15, 1949, Serial No. 87,615
1 Claim. (Cl. 240-11.4)

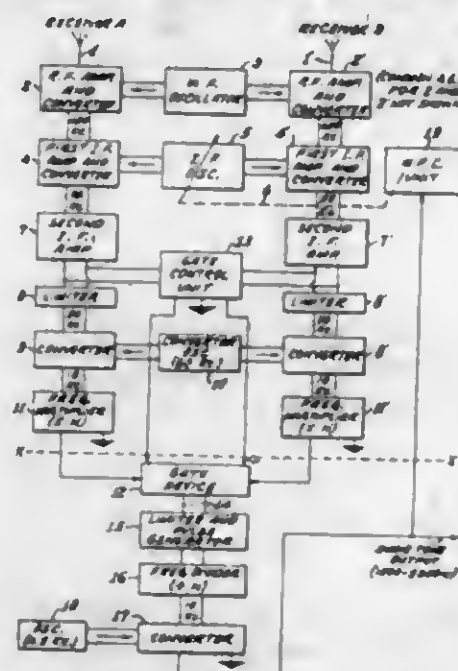


In means for regulating the position of a cold cathode lighting support, having an extensible U-shaped mounting with a bottom and parallel upstanding legs, and an inverted U-shaped cover having its bottom of the U enclosing the open top of the U of said mounting with the legs of the inverted U in parallelism with the legs of said mounting and with said legs in sliding engagement, said cover being shorter than the mounting, so as to leave the ends of said mounting exposed at its ends, the combination of an inverted U-shaped cap at the end of said mounting and over the exposed end of said mounting for closing the same and having its bottom parallel with said bottom of said mounting, and having its legs in sliding engagement with said legs of said mounting, said bottom of said end of said mounting having a vertical screw secured thereto, and said bottom of said cap provided with a longitudinal slot aligned with said screw, and providing for the passage of said screw, and providing for the clamping of the bottom of said cap to said bottom of said mounting, said screw and said slot of said cap being longitudinally at one side of a lamp socket base receiving opening in said cap, said cap having a longitudinal slot at its end at the other side of said opening, a horizontal member forming part of said mounting extending from the end of said mounting inwardly to form a platform for said end of said cap and having a bore, and a fastening screw extending through said slot of said cap and into said bore for fastening said cap end to the end of said mounting, whereby the lamp socket base open-

ing in the cap may be accurately adjusted to position relative to the mounting after the mounting has been adjusted to the approximate general length.

2,624,834

DIVERSITY FREQUENCY SHIFT RECEPTION
John B. Atwood, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1949, Serial No. 118,618
6 Claims. (Cl. 250-8)



1. A diversity system for receiving frequency shifted carrier energy of radio frequency, comprising a pair of radiant energy intercepting devices, a separate receiver coupled to each of said devices, said receivers each including converting means for converting the energy in each receiver to a frequency in the intermediate frequency range, both said converting means being of the heterodyne type and both being supplied with heterodyning energy, means coupling the intermediate frequency output of each of said converting means to a respective frequency multiplier having a multiplication factor of N, means coupling the outputs of said multipliers to a common gate device which is controllable to pass one or the other of such outputs to a common output circuit, signal strength sensing means excited by the signals in each of said receivers for producing a control potential the character of which depends upon which of the two signals is stronger, means for controlling said gate device by said control potential, whereby such device passes the stronger of the two multiplier outputs to said circuit, and means coupling a frequency divider having a division factor of N to said circuit, said last-named means including a pulse generator for converting the substantially sinusoidal outputs of said gate device and of said multipliers to pulses for application to said divider.

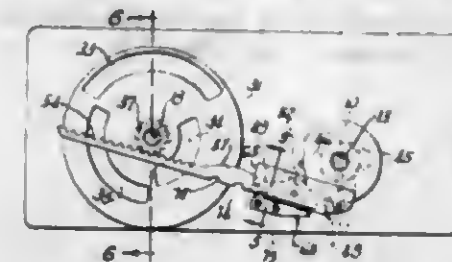
2,624,835

RADIO SELECTOR SWITCH AND DIAL MECHANISM

William Powell Lear, Santa Monica, Calif., assignor to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application September 3, 1948, Serial No. 47,624
5 Claims. (Cl. 250-16)

2. Tuning and function selecting mechanism for a radio receiver or the like having a plural-

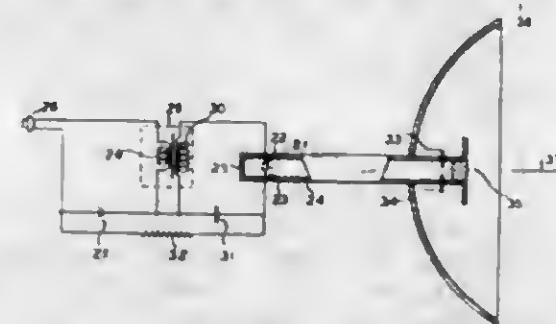
ity of circuit components, comprising a circuit tuning device, switching means for changing the arrangement of the components to enable reception by the receiver within a selected one of a plurality of frequency bands and for selecting functions within said bands, a tuning dial associated with said device and bearing a plurality



of scales, one individual to each said band, a movable shutter having a series of apertures each being adapted to expose the entire range of each of said scales singly and selectively, a function selector switch, and means interconnecting said shutter and switching means to actuate said shutter upon movement of the switching means to predetermined function positions.

2,624,836

RADIO NOISE TRANSMITTER
Robert H. Dicke, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 30, 1945, Serial No. 613,610
4 Claims. (Cl. 250-17)



4. A noise source comprising a crystal rectifier and a potential source biasing said crystal rectifier in the less conductive direction so that said crystal generates radio frequency noise signals, a coupling device, an antenna connected to said crystal by said coupling device for radiating said noise signals.

2,624,837

TUNING INDICATOR SYSTEM
Bernard D. Loughlin, Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 28, 1949, Serial No. 96,099
7 Claims. (Cl. 250-20)

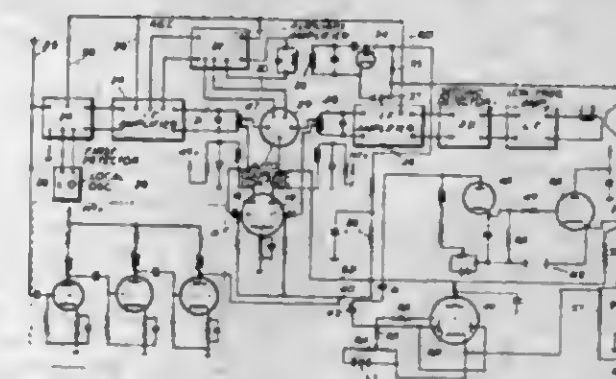


1. A tuning indicator system for a tunable frequency-modulation carrier-signal receiver comprising: carrier-signal limiting means including an electron-discharge device having a plurality of electrodes one pair thereof being coupled in a circuit proportioned to develop a predetermined relatively fixed amplitude-limiting level, and another pair of said electrodes electron-coupled to said circuit, one of said other

pair of said electrodes being so arranged as to develop in the vicinity of said one electrode a virtual cathode which in combination with said other pair of said electrodes is effective to control the transconductance of said device subsequent to limiting so that in the output circuit of said limiting means said limiting level appears to vary in value with said transconductance though said level actually remains relatively fixed; means for deriving at least at the point of said limiting means in said system a control effect varying with the average intensity of a carrier signal applied to said limiting means; and means responsive to said control effect for controlling the transconductance of said limiting means in accordance with the said carrier-signal intensity, whereby said receiver may be accurately tuned to a desired carrier signal by observation of a characteristic of the signal translated by said limiting means.

2,624,838

RADIO RECEIVER EMPLOYING BAND PASS COUPLING CIRCUIT ARRANGEMENTS
Eric Peter Rudkin, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 14, 1947, Serial No. 721,903
In Great Britain December 7, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 7, 1965
5 Claims. (Cl. 250-20)



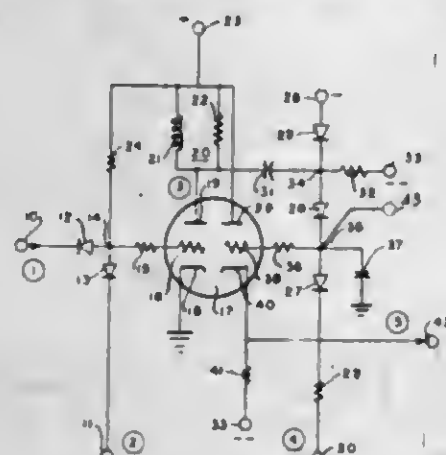
1. In a receiver for the selective reception of a band of frequencies, in combination, a first amplifying stage having an output circuit, a second amplifying stage having an input circuit, electrical coupling means coupling said output and input circuits together to provide interstage coupling between said first and second amplifier stages, said coupling means including electronic discharge means having the main current path thereof connected in series circuit with the electronic discharge means operative to vary the effective coupling impedance and thereby the pass band characteristic of said electrical coupling means, regenerative means connected to said coupling means being operative to vary the strength of a signal received from said coupling means, signal responsive means connected to said first amplifying stage being operative to produce a control electrical variable which varies with the strength of a signal passed by said amplifying stage, circuit means operative to apply said control electrical variable to said electronic discharge means to vary the coupling current flow and hence the effective impedance of the coupling and to said regenerative means to vary the amount of regeneration produced to simultaneously control the band pass characteristics of the coupling, and limiter means electrically coupled between said signal responsive means and said

regenerative means and being operative to prevent said regenerative means from producing oscillation.

2,624,839

PULSE DELAY CIRCUIT

Byron L. Havens, Closter, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 239,370
11 Claims. (Cl. 250-27)



1. A pulse delay circuit arrangement comprising the combination of: first and second input terminals; means for developing a positive-going pulse when positive pulses are applied to both said input terminals; an electron discharge device having a control electrode, a cathode and an anode; means for applying said positive-going pulse to said control electrode; a load impedance connected between said anode and a source of anode potential; means for supplying said cathode with a potential negative with respect to said anode potential; a series network comprising a plurality of rectifier elements connected at one end to a potential negative with respect to said anode potential and at the other end to a source of clamping potential; a series network comprising a pair of impedance elements connected at one end to said anode and at the other end to a potential negative with respect to said anode potential, the junction of said impedance elements being connected to the junction of a first pair of said rectifier elements; and an output terminal connected to the junction of a second pair of said rectifier elements.

2,624,840

MICROWAVE DETECTOR

William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1945, Serial No. 596,243
15 Claims. (Cl. 250-27)

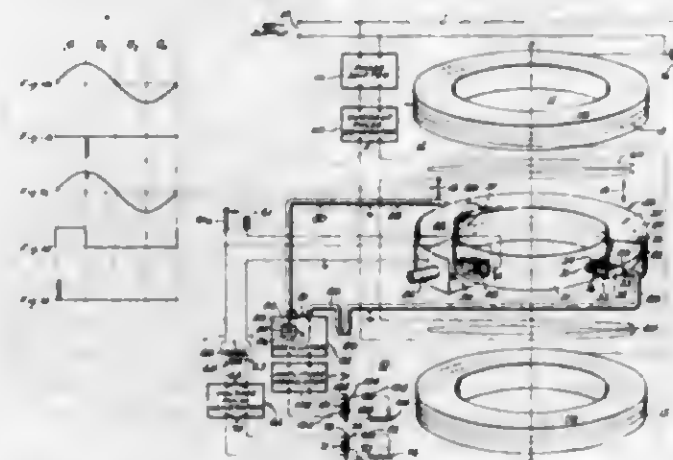


1. A microwave detector comprising a cavity resonator enclosing a microwave absorptive gas, means for introducing microwave energy to be detected into said resonator to vary the pressure of said gas therein, and an electrical translating device subjected to said gas pressure within said resonator for directly converting said pressure variations into electrical energy characteristic of said microwave energy.

2,624,841
METHOD OF AND APPARATUS FOR ACCELERATING TO HIGH ENERGY ELECTRICALLY CHARGED PARTICLES

Edwin M. McMillan, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application May 3, 1946, Serial No. 666,908
12 Claims. (Cl. 250-27)

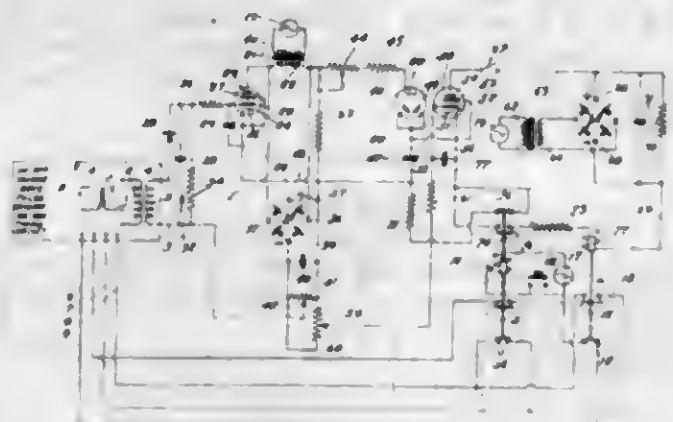


1. Apparatus for changing the energy of charged particles comprising means for establishing a magnetic field, means for projecting charged particles into said field along a path transversely thereof, means including a source of alternating electric potentials for revolving the particles in said magnetic field, and means for varying the ratio of the magnetic field strength to the frequency of said alternating electric potentials as said particles revolve whereby the resonant energy of the particles is changed.

2,624,842

ELECTRONIC COUNTING CIRCUITS

Donald P. Faulk, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 5, 1947, Serial No. 784,221
7 Claims. (Cl. 250-27)



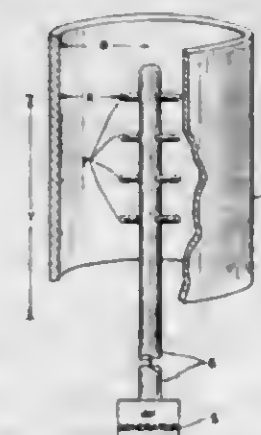
1. An impulse counting circuit including, in combination, a source of positive voltage impulses, a source of alternating current, a capacitance, a grid-controlled gaseous discharge rectifier having its anode-cathode path connected in series between said alternating current source and said capacitance, means connecting the grid of said rectifier to said impulse source, whereby said rectifier becomes conductive in response to each of said impulses to connect said capacitance to said alternating current source during substantially a half-cycle of said source of alternating current for each of said impulses to thereby

charge said capacitance with a predetermined polarity during each of said connections, means for isolating the charge on said capacitance from the potential across the discharge path of said gaseous discharge rectifier during the periods when no current is flowing in said capacitance, a grid-controlled gaseous discharge device, a source of direct voltage, a predetermined negative potential derived from said source of direct voltage and applied to said last-named grid to prevent conduction in said device, means for applying the charge voltage across said capacitance and said potential in series opposition to said last-named grid, whereby as said capacitance charges the negative potential on said last-named grid is reduced and said device conducts when the resultant potential on said last-named grid reaches a predetermined value, and a control circuit energized by conduction in said device.

2,624,843

RADIO WAVE RADIATING SYSTEM

Raymond Redheffer, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application June 7, 1945, Serial No. 598,151
3 Claims. (Cl. 250-33)



1. A wave radiating system comprising a radio wave generator; an antenna; a transmission line connecting the two; said antenna being mismatched with respect to said generator, whereby a first resultant reflected wave is obtained along said transmission line; and means, including a substantially wave-transparent dielectric housing at least partially enclosing said antenna, for providing a second resultant reflected wave along said transmission line which is substantially equal in amplitude to said first resultant wave and is substantially 180° phase displaced therefrom, whereby said second resultant wave substantially cancels said first resultant wave.

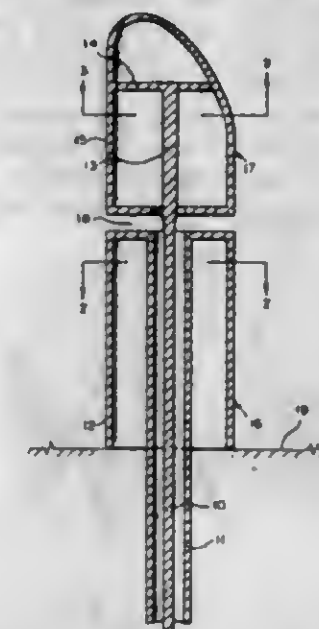
2,624,844

BROAD BAND ANTENNA

Jessie A. Nelson and Darrel I. Willhelt, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of War
Application March 4, 1946, Serial No. 651,937
10 Claims. (Cl. 250-33)

2. A broad band sleeved stub antenna comprising a coaxial transmission line having an inner conductor and an outer conductor, a grounded sleeve about and connected to one end of said outer conductor, a sheathed stub including an inner conductor and an outer conductor, said inner conductor of said sheathed stub being connected to said inner conductor of said transmission line, said sleeve and said outer con-

ductor of said sheathed stub having adjacent and parallel portions providing a capacitance that

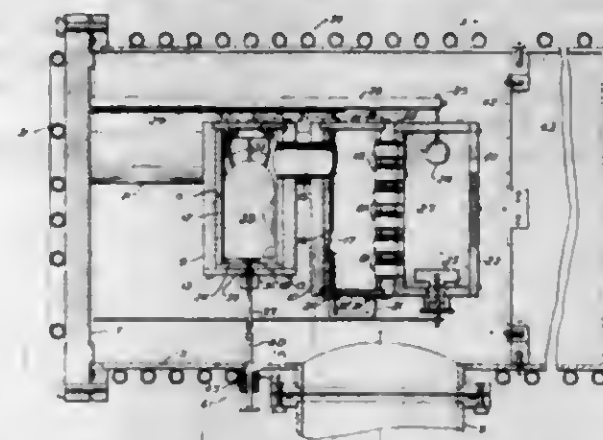


compensates for the change in impedance of said antenna with operating frequency.

2,624,845

ION SOURCE

Robert W. Thompson, Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Original application September 2, 1944, Serial No. 552,553. Divided and this application January 16, 1946, Serial No. 641,613
10 Claims. (Cl. 250-41.9)



1. In combination with an ionic mass separating device comprising a closed tank housing an ion source unit including structure providing a charge reservoir and a communicating charge ionizing chamber, a normally closed receptacle containing a charge and positioned within said charge reservoir, and means controllable from the exterior of said tank for opening said receptacle thus positioned into communication with said charge reservoir, whereby the charge in said receptacle fills said charge reservoir and enters said communicating charge ionizing chamber.

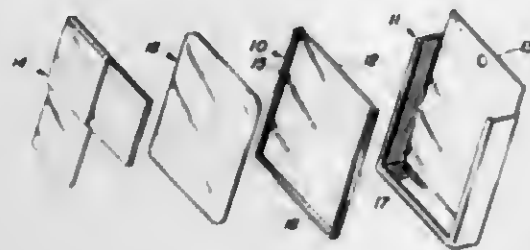
2,624,846

X-RAY FILM BADGE DOSIMETER

Eugene Tochilin, San Francisco, and Richard H. Davis, Albany, Calif.
Application October 13, 1950, Serial No. 190,028
4 Claims. (Cl. 250-83)
(Granted under Title 35, U. S. Code (1952), sec. 268)

1. A radiation meter of the class described comprising a film holder, a film contained in said

holder and echelon type filter means, including an open window region, arranged to filter the radiations reaching said film, the absorption characteristics of said filter means and the energy response characteristics of said film being so correlated that the densities of at least some one pair of the regions of said film are readable and their ratio uniquely determines the effective energy of the radiation at each point within the range of energies and dosages which it is desired to meas-

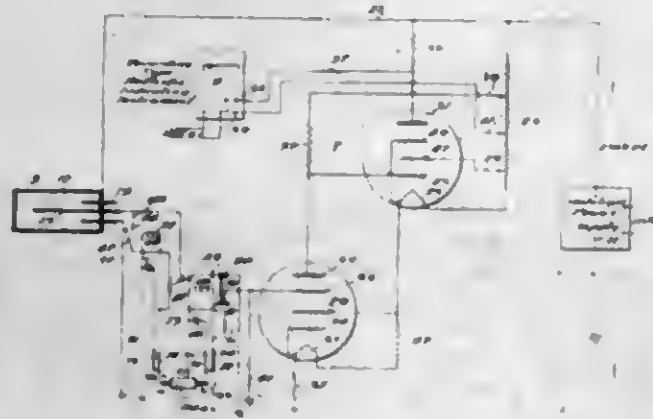


ure, said filter means including a second region comprising a sheet of aluminum having a thickness of the order of about 0.3 mm. to about 0.5 mm., a third region comprising a sheet of aluminum of said thickness and a sheet of copper having a thickness of the order of about 0.1 mm. to about 0.2 mm., and a fourth region comprising a sheet of aluminum of said thickness and a sheet of copper having a thickness of the order of about 0.6 mm. to about 2 mm.

2,624,847

BALLISTIC ELECTROMETER

William P. Jesse, Chicago, Ill., and James W. Broxon, Boulder, and William H. Hinch, Denver, Colo., assignors to the United States Atomic Energy Commission
Application September 4, 1945, Serial No. 614,403
4 Claims. (Cl. 250-83.6)

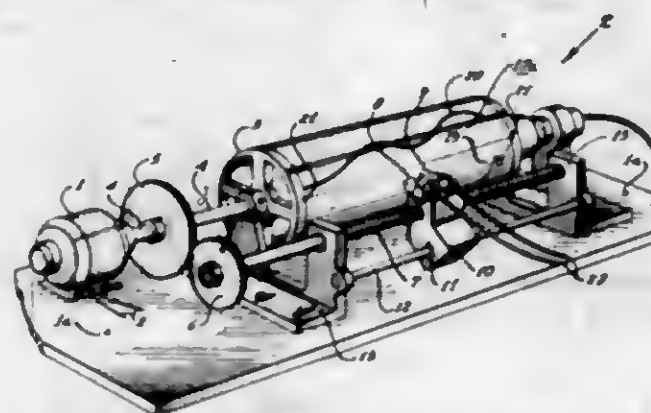


1. The method of continuously measuring and recording small ion currents with an ionization chamber circuit having, in series, an ionization chamber, a constant potential power source, and a high impedance comprising the steps of repetitively connecting the ionization chamber across the power source to charge the chamber, disconnecting the ionization chamber from the power source and electrically isolating the chamber from other electrical elements for a constant period of time, and connecting the ionization chamber, high impedance and power source in a series circuit.

2,624,848

GRAPH TRANSFORMATION DEVICE

Robert D. Hancock, Compton, and Lloyd T. Prothers, Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application November 23, 1951, Serial No. 257,918
3 Claims. (Cl. 250-208)

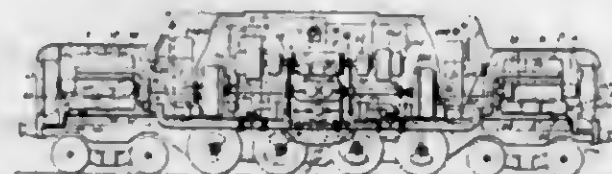


1. A function generator comprising a cylinder of light-transmitting material, said cylinder having a light-obstructing curve thereon, means for rotating said cylinder, a light source inside of said cylinder, two light-responsive pickups in fixed relation to each other and disposed adjacently and equidistant from the exterior of said cylinder, means for progressing said pickups together along said cylinder over a path parallel to the axis of said cylinder at a speed proportional to the rotational speed of said cylinder, and electronic means connected to said two pickups for converting time-spaced signals into a quantity of unit signals.

2,624,849

COMPRESSION IGNITION ENGINE POWER PLANT

John Ambrose Bennett-Powell, Tendring, England, assignor to Fell Developments Limited, London, England, a British company
Application July 25, 1949, Serial No. 106,670
In Great Britain August 17, 1948
5 Claims. (Cl. 290-4)

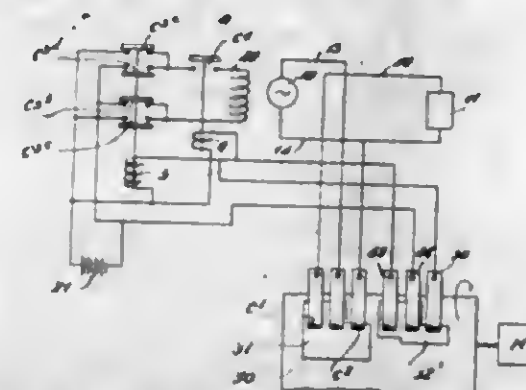


1. A compression ignition power plant comprising a main compression ignition engine, a blower for said main engine, an independent auxiliary engine to drive said blower, means for controlling said main engine and said auxiliary engine to cause said main engine to give substantially constant power output over its running speed range, cooling means for said main engine, means for producing motion of cooling fluid in relation to said cooling means, a first generator driven by said auxiliary engine, a second generator driven by said auxiliary engine and arranged to give a higher output voltage than said first generator, an automatic voltage regulator to maintain substantially constant the output voltage of said second generator, connecting means whereby said first generator supplies a battery of the general electrical system of the power plant and energizes the field of said second generator, a direct current motor supplied by said second generator and means for causing said motor to drive said means for producing motion of cooling fluid.

2,624,850

METHOD AND MEANS FOR PRODUCING ACCURATELY-TIMED HIGH-POWER ELECTRIC PULSES

John T. Vaughan, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application December 18, 1948, Serial No. 66,118
12 Claims. (Cl. 307-106)

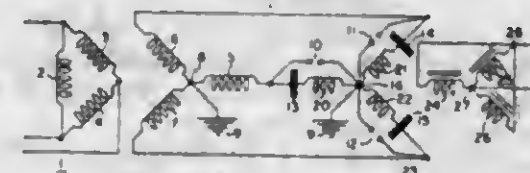


12. In an electric circuit including a power source and an electric load therefor, a first switch which, upon closing connects said load to said power source and energizes same, a second switch which, when closed, shorts said power source during the time when said first switch is closed and, thus, de-energizes said load, a third switch which, when closed, shunts said second switch when shorting current is flowing through said second switch, whereby said second switch may then be opened without danger of arcing.

2,624,851

PULSE GENERATOR

Robert A. Herring, Jr., Washington, D. C.
Application September 21, 1951, Serial No. 247,740
17 Claims. (Cl. 307-108)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. In a power generation circuit including a polyphase alternating current power source, a pulse generator for converting the alternating current supply into a source of substantially unipolar energy pulses comprising a separate electrical energy storage means for each phase of the polyphase source, a charging circuit connection for coupling each of said electrical energy storage means to a respective phase of the polyphase source thereby providing a path to sequentially charge said storage means, a common output circuit coupled to all of said storage means, and a separate low impedance discharge circuit means coupled to each of said storage means operative to sequentially discharge each of said storage means through said common output circuit.

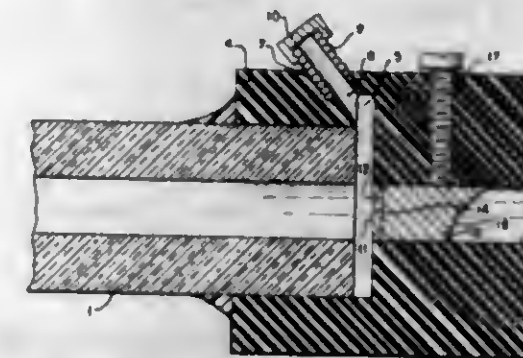
2,624,852

BACKING FOR DELAY LINE CRYSTALS

Gordon Donald Forbes, Sudbury, and Herbert Shapiro, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 4, 1946, Serial No. 651,926
5 Claims. (Cl. 310-8.2)

1. A component for a supersonic delay line, consisting of a solid backing member formed of

material having a high degree of attenuation for mechanical vibrations, said member having a planar face on one end, the opposite end being curved to produce multiple internal reflections of vibratory waves impinging on said planar face,



a piezo-electric crystal adapted to vibrate within the supersonic frequency range, conductive means for securing said crystal intimately to said planar face, and means for making electrical connections to said crystal.

2,624,853

FLEXURE-SENSITIVE ELECTROMECHANICAL TRANSDUCER DEVICE

Harry C. Page, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1948, Serial No. 67,741
11 Claims. (Cl. 310-8.5)



4. A transducer device electromechanically sensitive to flexure comprising: a body substantially free of structural discontinuities, having one substantial portion of a polycrystalline titanate dielectric material which is conditioned by the application of a unidirectional electric potential to provide a substantial transducing-response characteristic as between mechanical signal energy and electrostatic-field signal energy, and having another substantial portion of a dielectric material of different composition which upon said application of said unidirectional potential has a transducing-response characteristic as between said signal energies substantially different from said first-mentioned characteristic; means including electrodes adjacent to said body for translating currents associated with said electrostatic-field signal energy transduced in said body; and mechanical means for translating the motion associated with said flexure during transducing, said flexure being associated with mechanical reaction between said one portion having said substantial transducing-response characteristic and said other portion of said body.

2,624,854

HERMETIC VARIABLE GAP CRYSTAL HOLDER

August E. Miller, Cliffside Park, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application February 28, 1951, Serial No. 212,785
5 Claims. (Cl. 310-9.3)

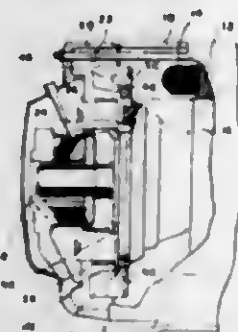


1. A hermetically sealed, adjustable air gap piezo-electric crystal holder comprising a container and a cover plate therefor, a fixed electrode within said container and a substantially cup-shaped movable electrode comprising a cylindrical housing terminating at one end in a flat base and its other end in a rim having radially disposed teeth, said base being spaced from and substantially parallel to said fixed electrode, a piezo-electric crystal positioned between said fixed and movable electrodes, and means on said cover plate for engaging the teeth on the rim of said movable electrode and effecting rotational movement thereof.

2,624,855

FAN ARRANGEMENT FOR ELECTRICAL DEVICES

John D. Gayer, Dayton, Ohio, assignor to The Brown-Brockmeyer Company, Dayton, Ohio, a corporation of Ohio
Application January 23, 1951, Serial No. 207,387
5 Claims. (Cl. 310-60)

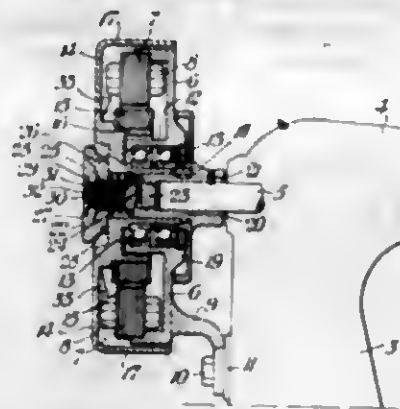


1. In combination with a wound armature for an electric motor or the like having a commutator and leads extending from the commutator to the windings of the armature, a fan ring for providing local agitation of air in the vicinity of the commutator comprising an annular member of electrical insulating material clamped about the periphery of one of the said commutator and the said leads, said fan ring comprising an inner axially extending ring part and an annular radially extending back part extending from one end of the said ring part, fan blades extending radially outwardly from said ring part and also connected to said back part, said fan ring being formed in two substantially semi-circular parts, and means at the extremities of said semi-circular parts for clamping said fan ring together in position on the said armature, said radially extending back part being provided with apertures therein positioned between the said fan blades to provide for the passage of air through the said back part for general ventilation of the motor by other fan means.

2,624,856

ELECTRIC MOTOR FOR SEWING MACHINES

Alexander Reginald Younger, London, England
Application May 3, 1950, Serial No. 159,798
In Great Britain May 3, 1949
2 Claims. (Cl. 310-74)

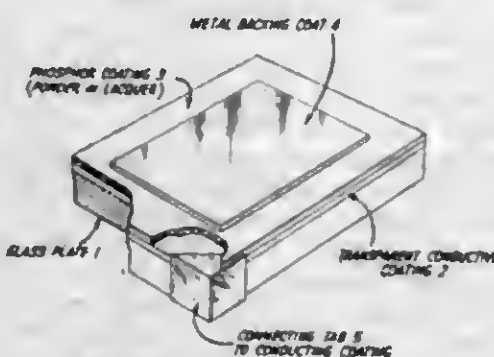


1. Driving means for sewing machines, comprising an electric motor having a stator and a rotor, the stator having a casing with a circular back plate provided at its circumference with a peripheral flange and adapted to be fixedly secured to the sewing machine framework, the rotor having an annular casing extending outwardly from one end thereof and then radially outwardly to terminate in an inwardly extending cylindrical flange surrounding the outer circumference of the stator, means for mounting said rotor on the driving shaft of the sewing machine, a sleeve portion formed on the stator casing and positioned inside the rotor, a sleeve formed on the rotor and positioned inside the stator sleeve concentric thereto, and anti-friction bearings mounted between said sleeve portions for rotatably supporting the rotor whereby its annular casing serves as the balance or fly wheel of the sewing machine.

2,624,857

ELECTROLUMINESCENT LAMP

Eric L. Mager, Peabody, Mass., assignor to Sylvania Electric Products, Inc., Salem, Mass., a corporation of Massachusetts
Application October 8, 1949, Serial No. 120,396
5 Claims. (Cl. 313-108)



1. An electroluminescent lamp comprising an electrically-conducting glass piece, a layer thereon of a field-responsive phosphor embedded in a solid dielectric material, and a backing layer of metal thereover.

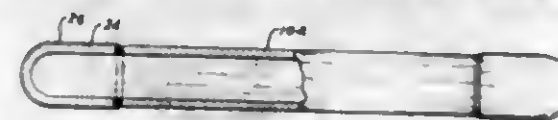
2,624,858

GASEOUS DISCHARGE LAMP

William B. Greenlee, Denver, Colo.
Application November 15, 1948, Serial No. 60,131
3 Claims. (Cl. 313-201)

1. A gaseous discharge lamp, comprising an envelope-type body of dielectric material, includ-

ing a tubular glass intermediate portion and end portions of fused titanium dioxide bonded to said intermediate portion, electrodes of electrical conductive material on an external surface of the

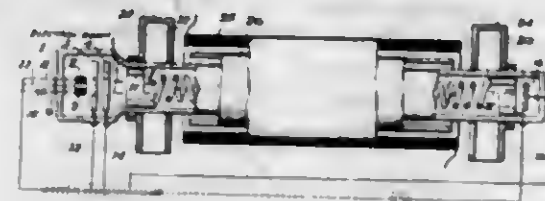


envelope at its opposite ends, an ionizable gas sealed within said envelope, and means for connecting said electrodes to an electrical current whereby the gas in said envelope will be energized to give off radiation.

2,624,859

TRAVELING WAVE AMPLIFIER TUBE

Louis D. Smullin, Watertown, Mass., and Gordon C. Dewey, Nutley, N. J., assignors to International Standard Electric Corp., New York, N. Y., a corporation of Delaware
Application July 3, 1947, Serial No. 758,848
2 Claims. (Cl. 315-3)



1. A travelling wave amplifier comprising an electron gun and a collector electrode defining an electron beam path therebetween, an envelope about said gun and said collector electrode, a wave guide including a helix of wire located about said beam path for propagating an electromagnetic wave along said beam path in the direction from said gun to said collector electrode, said electromagnetic wave being propagated along said wave guide with an axial phase velocity slightly less than the velocity of the electrons in said beam and a length of electromagnetic field attenuation material disposed and extending therealong for substantially the entire length thereof, said attenuation material comprising a cylindrical form of lossy material located coaxially about said helix of wire, said helix being located inside said envelope and said attenuation material being located outside and about said envelope.

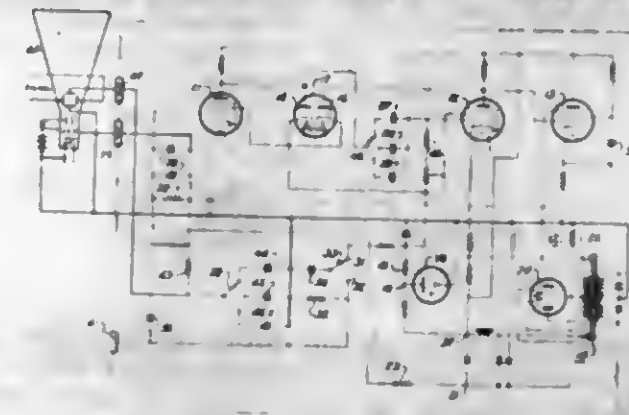
2,624,860

ARC HASH ANALYZER BY CATHODE-RAY TUBE

William R. Baker, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application April 18, 1947, Serial No. 742,293
4 Claims. (Cl. 315-22)

1. In a pulse generator, the combination comprising a first tube, voltage means connected to said first tube for normally rendering said tube nonconductive, means connected to said first tube for recurrently rendering the tube conductive, a second tube, voltage means connected to said second tube for rendering the tube normally conductive, a condenser and resistor circuit connected between said first and second tubes, the values of said condenser and resistor being such that said condenser becomes charged when said first tube conducts to change the condition of said second tube for a period equal to the time constant of said circuit, a cathode follower tube connected to said second tube, means connected

between the cathode of said cathode follower and said first tube to accelerate the conduction of said first tube whereby a rectangular voltage wave is

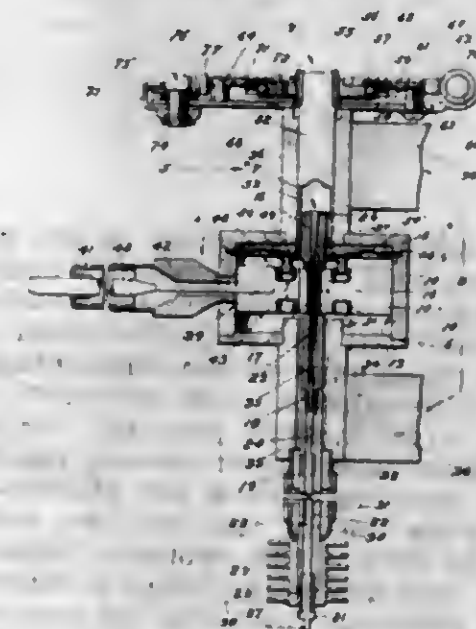


generated at said cathode follower having a duration equivalent to the discharge time of said condenser.

2,624,861

ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE

William C. Brown, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 19, 1945, Serial No. 583,624
24 Claims. (Cl. 315-40)



1. A tunable electron-discharge device comprising: an anode structure provided with anode members; each pair of adjacent anode members, together with that portion of said anode structure lying therebetween, constituting a cavity resonator; a first conductor electrically connected to one anode member of one adjacent pair thereof; a second conductor electrically connected to the remaining anode member of such adjacent pair thereof; said conductors presenting a capacitance therebetween; and means, movable intermediate said conductors, for altering said inter-conductor capacitance and connecting, in parallel therewith, an additional capacitance.

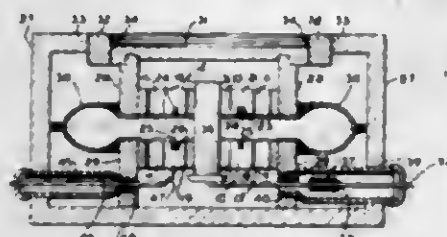
2,624,862

TUNABLE STRAPPED MAGNETRON

Edgar Everhart, Cambridge, and Rose Bogrow, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 9, 1945, Serial No. 592,796
21 Claims. (Cl. 315-40)

1. An anode structure for a tunable magnetron oscillator, comprising a pair of coaxially ad-

adjacent cylindrical conducting sections each having a centrally located longitudinal hole and a plurality of radially extending cavity resonators cut therein, and means operatively securing said

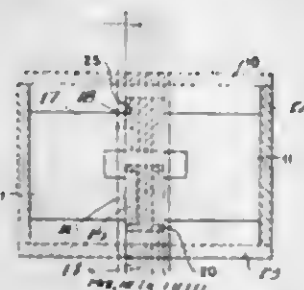


sections together at the outer peripheries thereof for permitting axial movement of one of said sections relative to the other of said sections while providing an airtight seal.

2,624,863

SELF-MODULATED MAGNETRON

Albert M. Clogston, Melrose, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 10, 1945, Serial No. 621,565
6 Claims. (Cl. 315-40)



1. An oscillation generator of the multicavity magnetron type, two cathodes for emitting electrons mounted on a common axis and in cooperative relation with the respective inner edges of a common radial vane system constituting resonant anode cavities, first cathode connected to a source of high direct current potential for generating high frequency oscillations in said resonant anode cavities, coupling means for abstracting useful energy from one of said cavities, and electron means for varying the resonant frequency of the cavities, said means including a source of direct current potential connected to second cathode, whereby an electron cloud is formed in the high frequency field between the second cathode and the inner edges of said vanes.

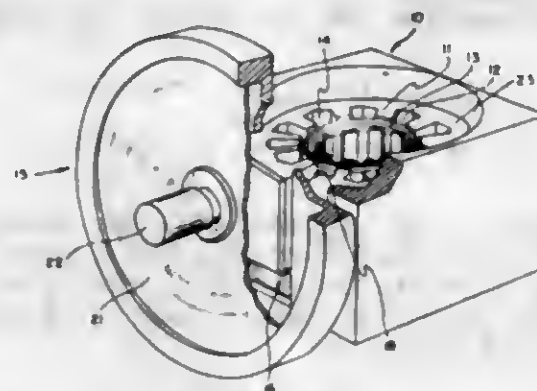
2,624,864

TUNABLE MULTICAVITY TYPE MAGNETRON TUBE

Melvin A. Herlin, Cambridge, and William V. Smith, Medford, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application December 10, 1945, Serial No. 634,069
5 Claims. (Cl. 315-40)

1. A tunable magnetron oscillator including a plural cavity magnetron having a plurality of individual oscillator cavities formed therein, a cavity resonator having substantially a cylindrical construction with a relatively small ratio of height to diameter, said resonator having an energy storage less than twice the energy storage of said magnetron, said resonator further having a substantially C-shaped resonant aperture in one end closure, said aperture coupling said cavity resonator to one of said oscillator cavities, a diaphragm constituting the other end closure of said

resonator and means mounted on the outside of said diaphragm for moving said diaphragm there-

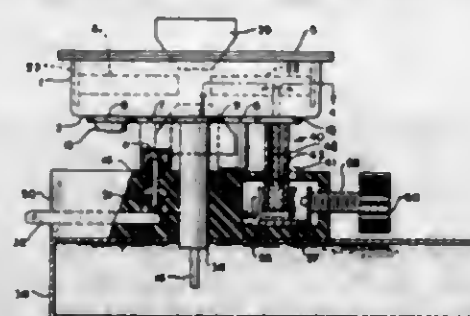


by varying the frequency of said cavity resonator-magnetron combination.

2,624,865

PLUG-IN MAGNETRON AND MOUNT THEREFOR

Nathan P. Nichols, Danvers, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 1, 1946, Serial No. 651,301
6 Claims. (Cl. 315-40)



2. A magnetron, comprising a cylindrical shell having centrally recessed ends to receive external pole pieces a ribbon-type anode symmetrically disposed within said shell and forming a plurality of cavity resonators, cathode means disposed centrally of said resonators, leads for said cathode means extending through said shell and parallel to the axis of said shell, a pickup loop disposed within said shell, an output lead extending from said loop through said shell and parallel to the axis of said shell, a connection disposed at the hose of said shell through which said shell may be evacuated, and tuning means including a flexible tube extending parallel to the axis of said shell, a probe of lesser diameter sealed within the outer end of said tube and extending therefrom into one of said cavity resonators.

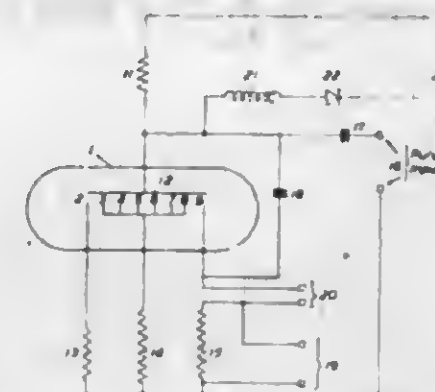
2,624,866

GASEOUS DISCHARGE DEVICE

Alec Harley Reeves, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 3, 1947, Serial No. 777,816
In Great Britain October 3, 1946
7 Claims. (Cl. 315-167)

1. A pulse responsive system comprising an electrostatically operated cold cathode gas discharge tube having three or more discharge gaps arranged adjacent each other so that firing of one gap produces ionization migration to the next gap thereby priming that next gap for sequential firing in a predetermined succession, means for applying to said gaps in common incoming pulses of a predetermined time interval

spacing, utilization means coupled to a selected of said gaps for producing a response upon the firing of said selected gap, and gap extinguishing means coupled to and responsive to the firing of the ultimate of said gaps, said extinguishing



means having a predetermined time cycle with respect to the time interval between said pulses, whereby the operating cycle of said tube may be made dependent upon the number of said gaps and said operating time cycle.

2,624,867

GAS DISCHARGE TUBE

James D. Cobine, Schenectady, N. Y., and Charles J. Gallagher, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War
Application November 27, 1945, Serial No. 631,183
4 Claims. (Cl. 315-344)



1. An apparatus for generating a noise output from a gas discharge tube having an anode and a cathode, including means for applying a magnetic field of adjustable magnitude transverse to the longitudinal axis of said tube, and means for applying operating potentials to said tube to initiate and maintain ionization of said gas between the anode and cathode of said gas discharge tube at the maximum magnitude of said magnetic field, such that the strength of said magnetic field determines the frequency distribution in the noise output from said tube.

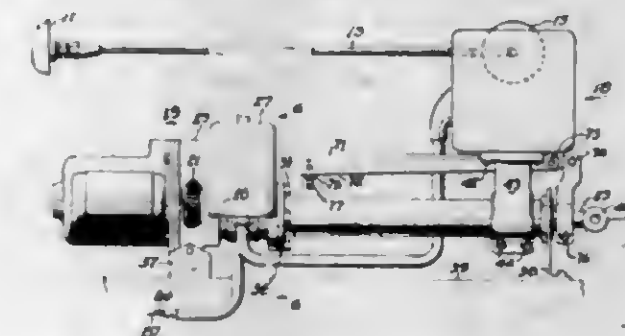
2,624,868

PRESSURE CONTROLLER

Frederick L. Runniger, Cleveland, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application January 10, 1950, Serial No. 137,694
5 Claims. (Cl. 318-32)

1. A compensated condition responsive electric circuit controller comprising a first electric switch, a second electric switch, means biasing one of said switches towards its closed position and the other of said switches towards its open position, a condition responsive means adapted to oppose said biasing means with a force varying as a function of the value of a condition and means operable when one of said switches is closed to increase the effect of said biasing means and to decrease the effect of said biasing means when the other of said switches is closed, said operable means comprising a first stationary abutment means, a second abutment means se-

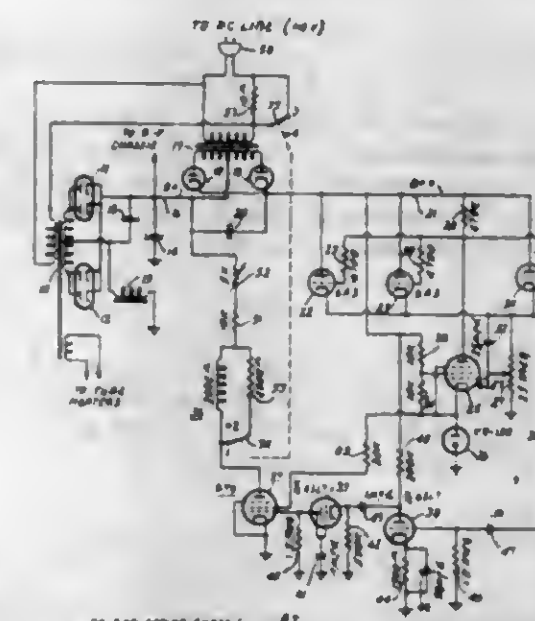
cured to one end of said biasing means, a tapered wedge adapted to engage both said abutment means whereby the longitudinal movement of said wedge in one direction will increase the bias of said biasing means and the longitudinal movement of said wedge in the other direction will



2,624,869

REGULATED POWER SUPPLY

Haines L. Knoebel, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 13, 1951, Serial No. 231,387
5 Claims. (Cl. 321-23)

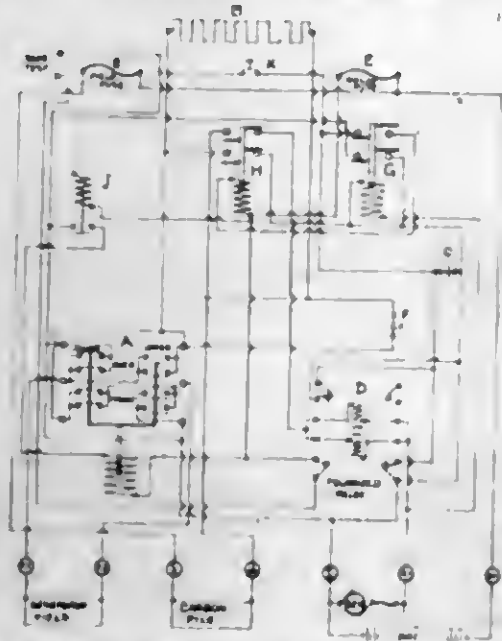


1. A power supply for deriving a regulated D.-C. voltage from an A.-C. line whose line voltage is subject to relatively wide variation, said power supply comprising: rectifier means; means for applying at least a portion of said A.-C. line voltage to said rectifier means to develop an unregulated D.-C. voltage; a regulator circuit for deriving a regulated D.-C. voltage from said unregulated D.-C. voltage; a relay operative in response to an increase in said line voltage for effecting a decrease in the unregulated voltage applied to said regulator circuit; and means responsive, when said line voltage decreases, to an increase in the ripple component of said regulated voltage for releasing said relay to increase the unregulated voltage applied to said regulator circuit, thereby to prevent said power supply from falling out of regulation.

2,624,870

AXLE GENERATOR SYSTEM

Joseph A. Kolanda, Milwaukee, and Walter P. Neuok, West Allis, Wis.
Application July 23, 1949, Serial No. 106,463
2 Claims. (Cl. 322-6)

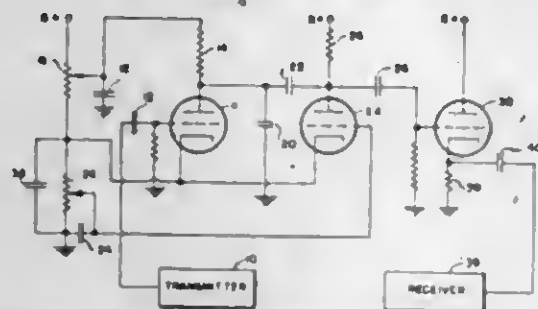


1. In an axle generator system, an axle driven generator having a shunt field, a reversing switch for the shunt field, means for determining the position of the reversing switch including a relay across the armature responsive to mild current generated when the car is started, and means responsive to the magnitude of the generator voltage for disconnecting said relay when the generator voltage exceeds a predetermined value.

2,624,871

SENSITIVITY CONTROL CIRCUIT FOR RADAR RECEIVERS

Ralph E. Meagher, Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 14, 1945, Serial No. 616,373
7 Claims. (Cl. 343-5)



1. In combination, a first means for transmitting pulses of electromagnetic energy, a second means for receiving echo pulses of electromagnetic energy from reflecting objects, and a circuit for periodically varying the sensitivity of said second means, said circuit including a storage capacitor, potentiometer means for applying an adjustable direct current voltage to charge said capacitor, a first vacuum tube connected substantially in parallel with said capacitor, means for applying a periodic trigger pulse from said first means to the control grid of said first vacuum tube so as to render it conducting and to discharge said capacitor, charge control means including a second vacuum tube for varying the rate of charge of said capacitor, potentiometer means for adjusting the direct current bias on the control grid of said second vacuum tube, and means including a cathode follower for transmitting to said second means the voltage variations occurring across said capacitor.

2,624,872

TEST INSTRUMENT FOR BLIND LANDING SYSTEMS

Robert A. Emmett, Jr., United States Navy
Application November 26, 1945, Serial No. 630,958
6 Claims. (Cl. 343-5)
(Granted under Title 35, U. S. Code (1952), sec. 266)

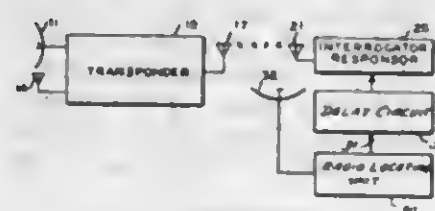


3. The combination of a first means for continuously producing a series of pulses, second and third means coupled to said first means each having variable transfer efficiencies, mixing means, switching means coupled to said second and third means for alternately rendering same operative at a first given rate to couple the input pulses to the outputs thereof, fourth and fifth means each coupled through said mixing means to said second and third means each having variable transfer efficiencies, switching means coupled to said fourth and fifth means for alternately rendering same operative at a second rate different from said first rate to couple the input pulses to the outputs thereof.

2,624,873

OBJECT LOCATING IDENTIFICATION SYSTEM

Leon Bess, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1945, Serial No. 588,994
1 Claim. (Cl. 343-6)

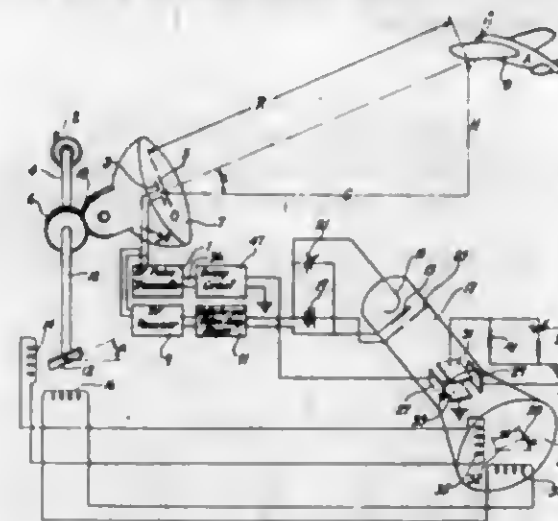


An identification system comprising, at a local station, a radio locating unit having a rotating directional antenna for transmitting a first series of exploratory pulses and receiving reflected echoes thereof, and a transmitter-receiver coupled to said radio locating unit and having an omnidirectional antenna for transmitting a second series of exploratory pulses synchronized with said first series, corresponding pulses of said first and second series being time-delayed relative to each other by a given amount, said omnidirectional antenna also receiving signals transmitted from a remote object; and at said remote object a normally inoperative transmitter, receiving means for receiving said first and second series of pulses, and means responsive to the output of said receiving means and coupled to said transmitter for rendering said transmitter operative only in response to double pulses delayed in time relative to each other by said given amount.

2,624,874

ELECTRICAL APPARATUS FOR SOLVING RIGHT TRIANGLES

Robert Harvey Rines, Brookline, Mass.
Application September 4, 1944, Serial No. 552,705
6 Claims. (Cl. 343-11)

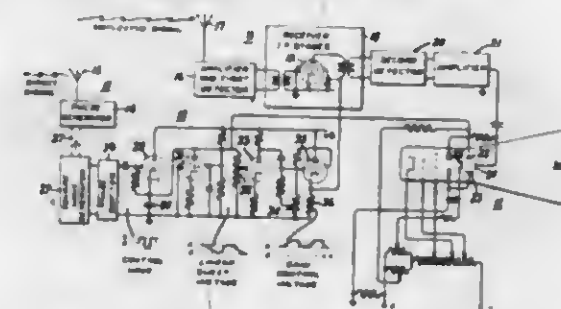


1. An electric system for finding the legs of a right triangle, given the hypotenuse and an acute angle, the said system having, in combination, a cathode-ray tube having a screen provided with a base line having an origin and a line disposed at right angles to the base line, the cathode-ray tube having means for producing an electron stream for impinging on the screen, means for causing the electron stream to impinge normally on the origin and two sets of deflecting means for respectively deflecting the electron stream in two directions at right angles to each other, means connected with the deflecting means for deflecting the electron stream to trace on the screen a hypotenuse line extending from the origin along the base line, means comprising a rotor of substantially constant magnetic field angularly adjustable to the said acute angle and a stator, and means connected to the deflecting means and controlled in accordance with the field produced in the stator by the angular movement of the rotor for positioning the hypotenuse line at an acute angle to the base line equal to the acute angle with the length of the hypotenuse line proportional to the length of the hypotenuse, the base line and the line at right angles to the base line being calibrated in units proportional to the units of the hypotenuse line.

2,624,875

PULSE ECHO SYSTEM WITH TIME SENSITIVITY CONTROL

Franklin G. Patterson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1948, Serial No. 56,537
9 Claims. (Cl. 343-13)



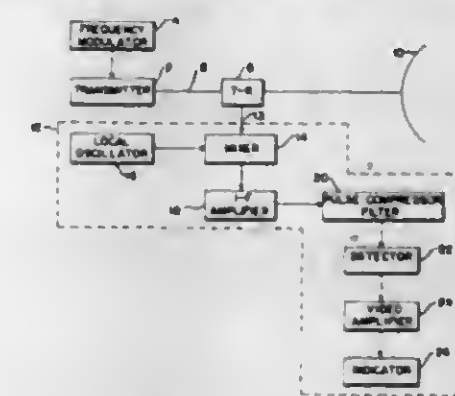
1. The combination, in a pulse echo system, means to transmit recurrent electromagnetic pulses, a square wave generator synchronous

therewith, a condenser having a discharge path, an electron discharge device connected between said generator and said condenser to produce recurrent charging of said condenser during pulses of one polarity of said square wave, said condenser discharging through said path during pulses of opposite polarity of said square wave, means to receive pulses corresponding to said transmitted pulses from remote objects during the intervals between said transmitted pulses, means to increase the sensitivity of said receiving means during the intervals between said transmitted pulses in response to variation in voltage on said condenser, and a phase shifter between said square wave generator and said electron discharge device to delay said increase in sensitivity with respect to said transmitted electromagnetic pulses.

2,624,876

OBJECT DETECTION SYSTEM

Robert H. Dicke, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 14, 1945, Serial No. 616,382
10 Claims. (Cl. 343-13)

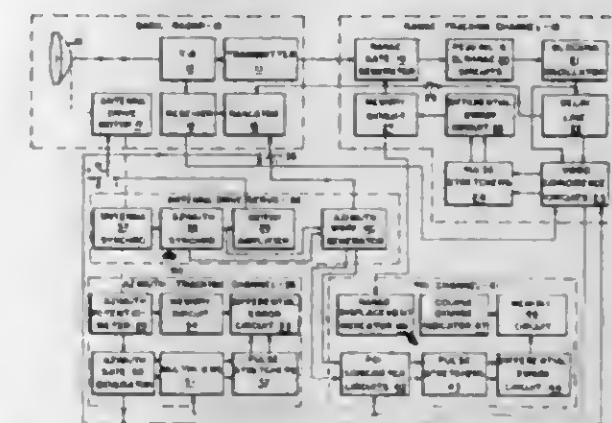


10. A method of object detection comprising the steps of transmitting pulses of radiant energy of a predetermined duration, varying the carrier frequency of said pulses in a predetermined manner, receiving only echo pulses of said duration, the carrier frequency of which varies in the same manner as the transmitted pulses, and delaying the first received carrier frequencies in said echo pulses by a greater amount than the later received echo carrier frequencies, whereby shorter duration, higher amplitude pulses are derived.

2,624,877

COURSE INDICATING SYSTEM

Britton Chance, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 26, 1946, Serial No. 657,145
7 Claims. (Cl. 343-112)



1. A pilot's direction indicator system for use in an aircraft, said system including a directive an-

tenna, means for effecting continuous azimuthal rotation of said antenna, means for determining a first direction perpendicular to the direction of travel of the aircraft relative to ground, means for producing first and second voltage pulses in response to said antenna being pointed in a direction differing by a given small amount from said first direction, means for producing a third voltage pulse in response to said antenna being

directed toward a given point fixed in relation to the aircraft, means for comparing the degrees of coincidence between said third voltage pulse and said first and second voltage pulses respectively, and means for producing a visible indication of the amount of divergence of said third pulse from a condition of equal coincidence with said first and second pulses.

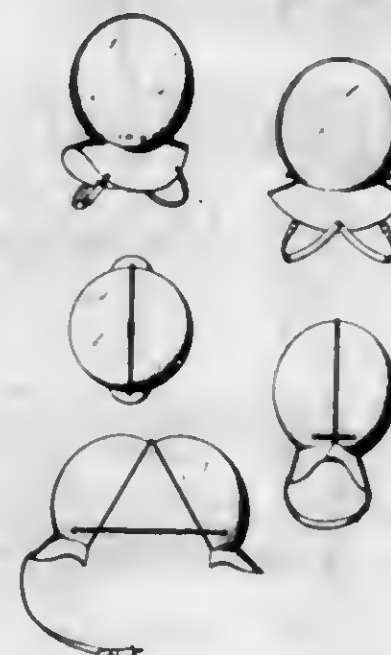
DESIGNS

JANUARY 6, 1953

168,527

HELMET OR THE LIKE

Narvelle Arant, Larkspur, Calif., assignor to Arant Plastics, Inc., San Francisco, Calif., a corporation of California
Application November 29, 1951, Serial No. 17,567
Term of patent 14 years
(Cl. D3—13)

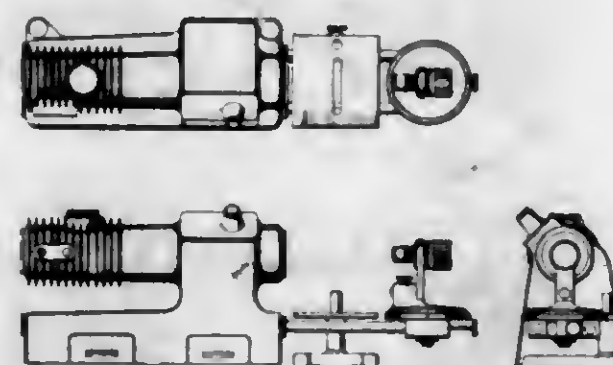


The ornamental design for a helmet or the like, as shown.

168,528

TESTING DEVICE FOR OPTICAL LENSES AND THE LIKE

Frank G. Back, New York, N. Y.
Application March 5, 1952, Serial No. 18,786
Term of patent 7 years
(Cl. D57—7)



The ornamental design for a testing device for optical lenses and the like, as shown.

168,529

TIE RACK

Melvin Reese Baker and Dewayne Kenneth Williams, Anaheim, Calif., assignors to Williams Manufacturing Co. Inc., Anaheim, Calif., a corporation of California
Application September 15, 1952, Serial No. 21,471
Term of patent 14 years
(Cl. D33—8)

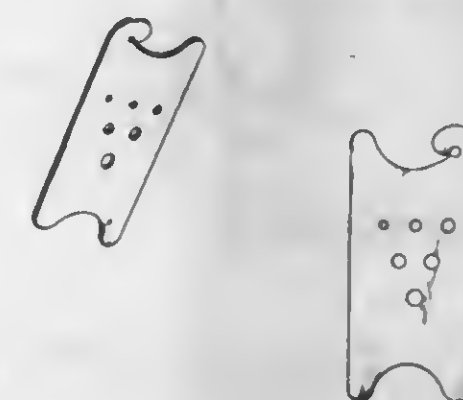


The ornamental design for a tie rack, substantially as shown.

168,530

COMBINED YARN BOBBIN AND NEEDLE SIZE GAUGE

John Scott Black, Santa Monica, Calif.
Substituted for abandoned application Serial No. 149,419, November 1, 1948. This application July 17, 1952, Serial No. 20,687
Term of patent 14 years
(Cl. D3—19)



The ornamental design for a combined yarn bobbin and needle size gauge, substantially as shown and described.

168,531

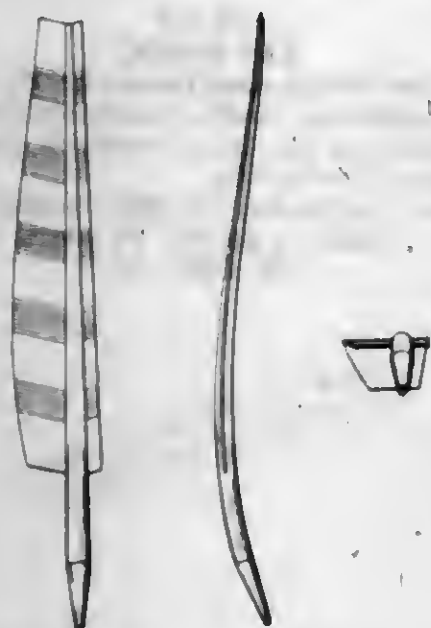
PEN OR SIMILAR ARTICLE

Donald L. Brudny, Omaha, Nebr.

Application September 12, 1952, Serial No. 21,441

Term of patent 14 years

(Cl. D74-17)



The ornamental design for a pen or similar article, as shown.

168,532

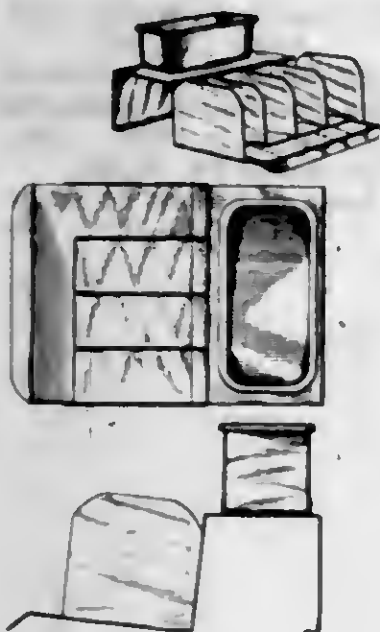
DISPLAY RACK

Elmer F. Carlson, Chicago, Ill.

Application November 1, 1952, Serial No. 22,105

Term of patent 14 years

(Cl. D80-9)



The ornamental design for a display rack, as shown.

168,533

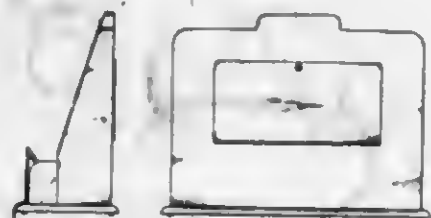
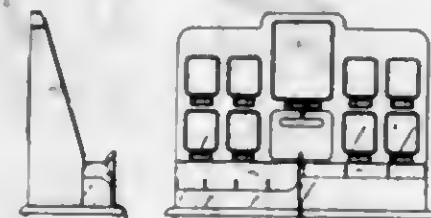
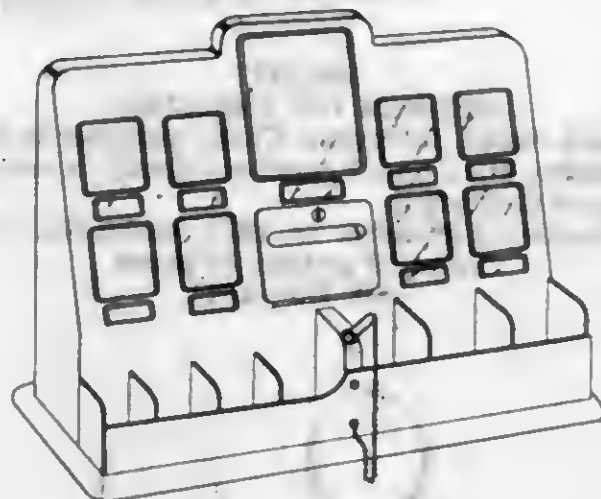
COMBINED DISPLAY CASE AND ORDER BOX

Clyde E. Chamberlain, Medford, Oreg., assignor to Gift Service, Inc., Medford, Oreg., a corporation of Oregon

Application May 17, 1952, Serial No. 19,770

Term of patent 14 years

(Cl. D80-11)



The ornamental design for a combined display case and order box, as shown.

168,534

COMBINED WEDGE AND SPUR FOR LOGGING OPERATIONS OR THE LIKE

John M. Council, Wananish, N. C.

Application March 14, 1952, Serial No. 18,910

Term of patent 3 1/2 years

(Cl. D93-4)



The ornamental design for a combined wedge and spur for logging operations or the like, as shown.

168,535

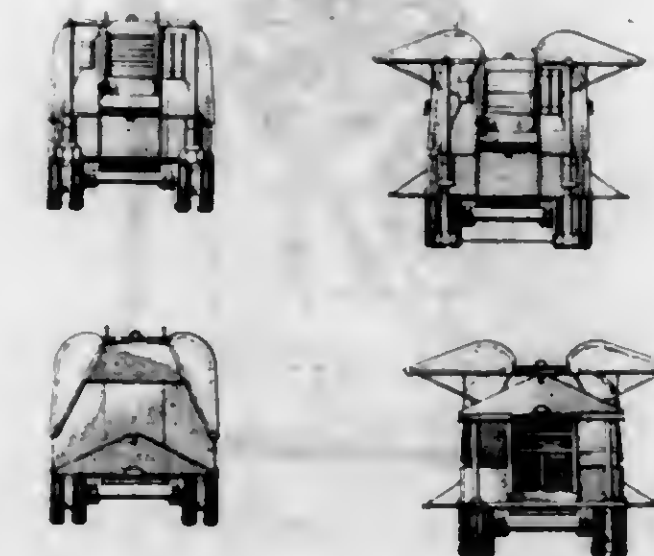
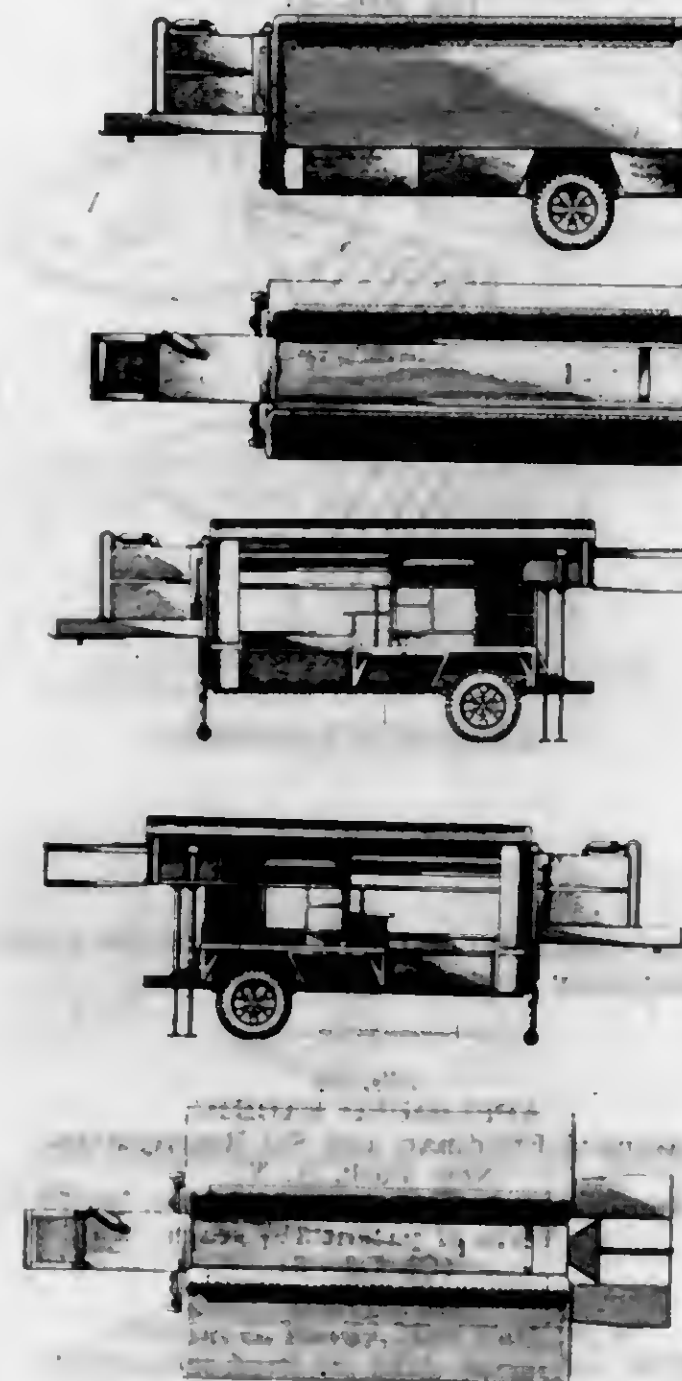
MACHINE SHOP TRAILER

Kibbey W. Couse, Newark, N. J.

Application March 7, 1952, Serial No. 18,822

Term of patent 14 years

(Cl. D14-3)



The ornamental design for a machine shop trailer, as shown.

168,536

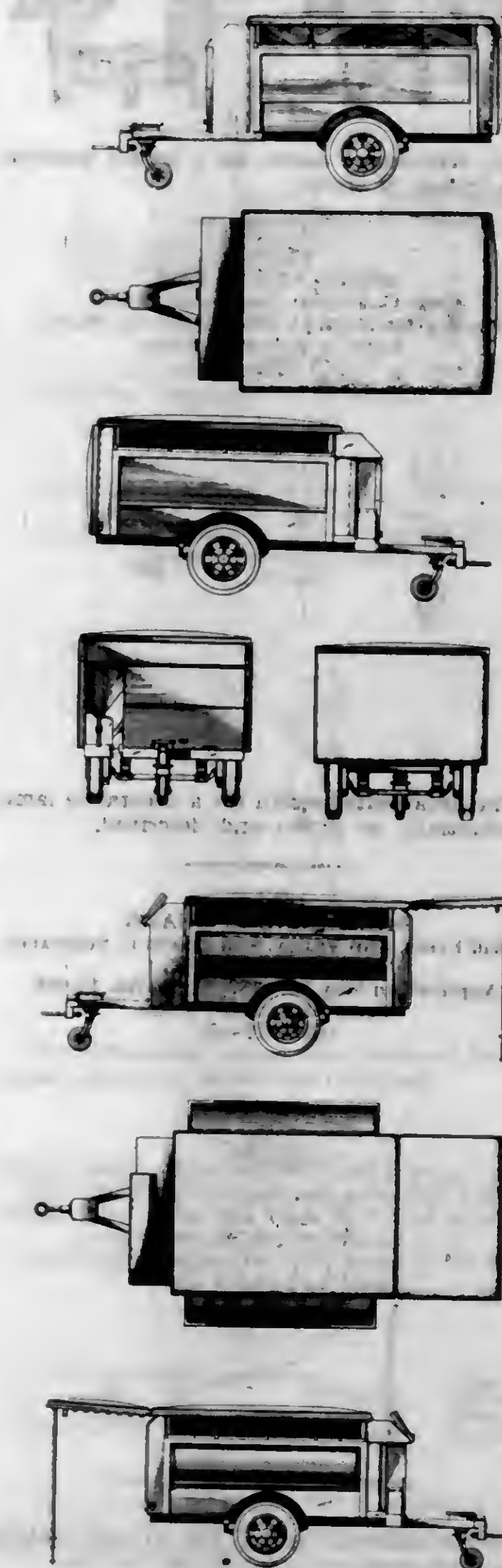
MOBILE MACHINE SHOP TRAILER

Kibbey W. Couse, Newark, N. J.

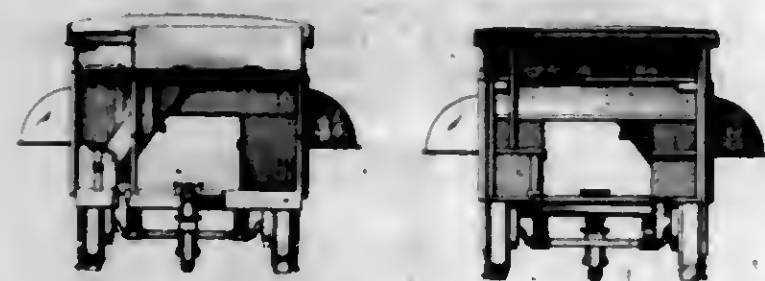
Application March 7, 1952, Serial No. 18,823

Term of patent 14 years

(Cl. D14-3)



168,536—Continued

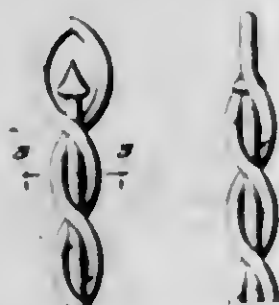


The ornamental design for a mobile machine shop trailer, as shown.

168,537

DECORATIVE LAMP

Emil C. Fasson, Inglewood, Calif.
Application June 11, 1952, Serial No. 20,127
Term of patent 14 years
(Cl. D26—8)

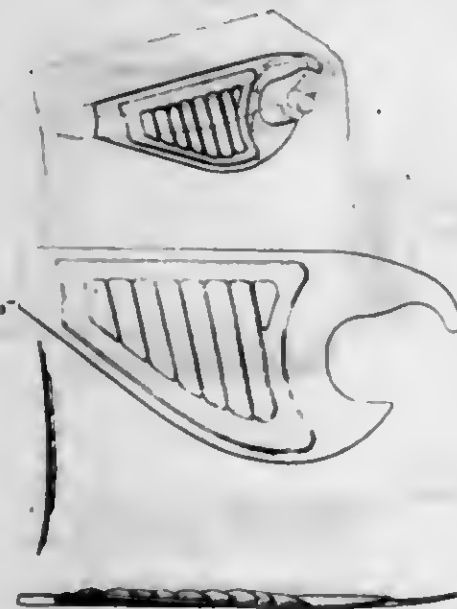


The ornamental design for a decorative lamp, substantially as shown and described.

168,538

DOOR HANDLE GUARD

David Frees, Sun Valley, and Edwin L. Schwartz,
Los Angeles, Calif.
Application May 12, 1952, Serial No. 19,688
Term of patent 7 years
(Cl. D10—3)

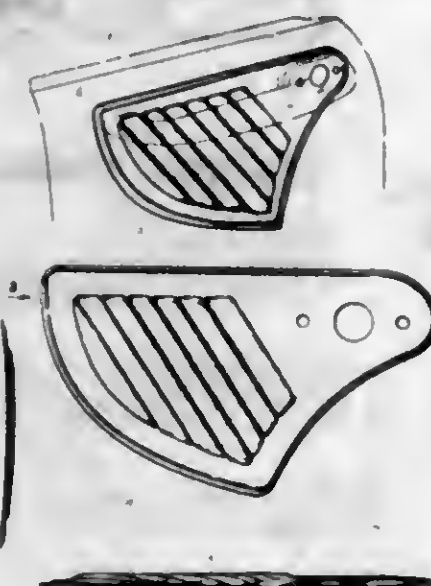


The ornamental design for a door handle guard, substantially as shown and described.

168,539

DOOR HANDLE GUARD

David Frees, Sun Valley, and Edwin L. Schwartz,
Los Angeles, Calif.
Application May 12, 1952, Serial No. 19,689
Term of patent 7 years
(Cl. D10—3)



The ornamental design for a door handle guard, substantially as shown and described.

168,540

APPLIQUED FABRIC

Bernard Friedman and Sol Rosengarten,
New York, N. Y.
Application July 18, 1952, Serial No. 20,673
Term of patent 3½ years
(Cl. D3—9)

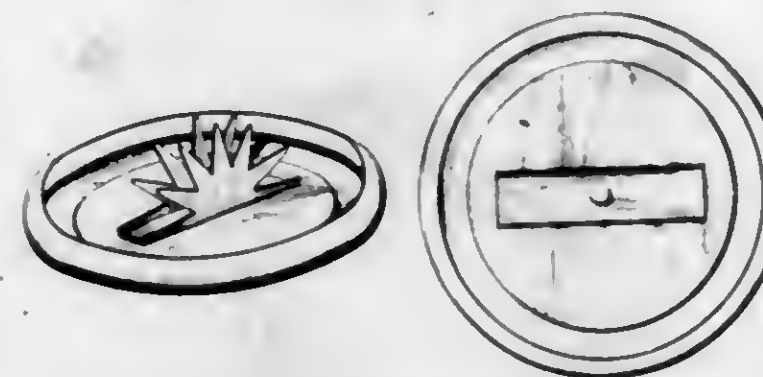


The ornamental design for an applied fabric, as shown and described.

168,541

ASH TRAY

Robert W. Giles, Sr., Mountain Home, Tenn.
Application February 2, 1950, Serial No. 7,683
Term of patent 14 years
(Cl. D85—2)

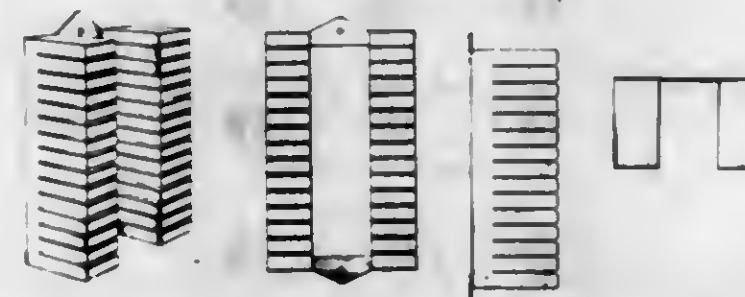


The ornamental design for an ash tray, substantially as shown and described.

168,542

TIE HOLDER

Charles W. Grzeslowski, St. Louis, Mo.
Application May 7, 1951, Serial No. 15,085
Term of patent 3½ years
(Cl. D33—3)

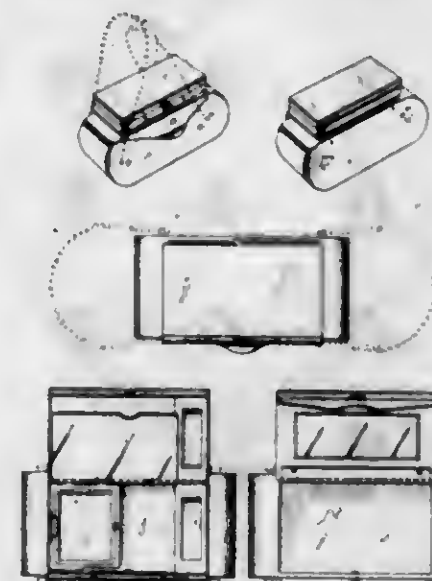


The ornamental design for a tie holder, as shown.

168,543

HANDBAG

William H. Hardy, New York, N. Y.
Application April 15, 1952, Serial No. 19,331
Term of patent 14 years
(Cl. D87—3)



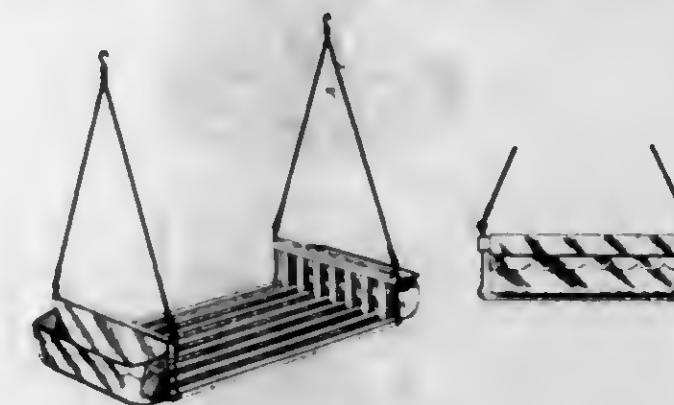
The ornamental design for a handbag, substantially as shown and described.

666 O. G.—19

168,544

HANGER FOR CLOTHESLINES

Roy L. Hiser, Fort Worth, Tex.
Application June 22, 1951, Serial No. 15,631
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a hanger for clotheslines, substantially as shown.

168,545

POCKETED BAG FOR SMALL ARTICLES

Irene C. Huch, St. Paul, Minn.
Application March 10, 1952, Serial No. 18,838
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a pocketed bag for small articles, as shown and described.

168,546

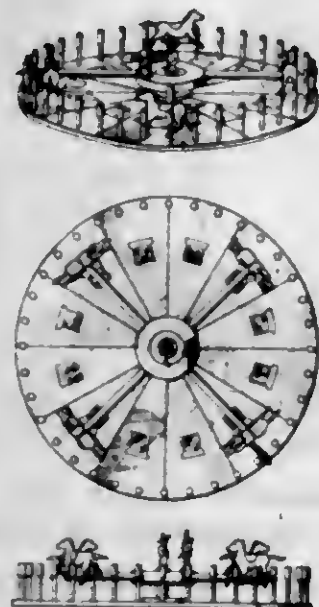
MAGNIFIER AND ILLUMINATOR FOR VIEWING PRINTED MATERIAL AND THE LIKE

Emmerich T. Igler, New York, N. Y., and Raymond
H. Wadsworth, South Orange, N. J.
Application August 14, 1952, Serial No. 21,042
Term of patent 7 years
(Cl. D57—7)



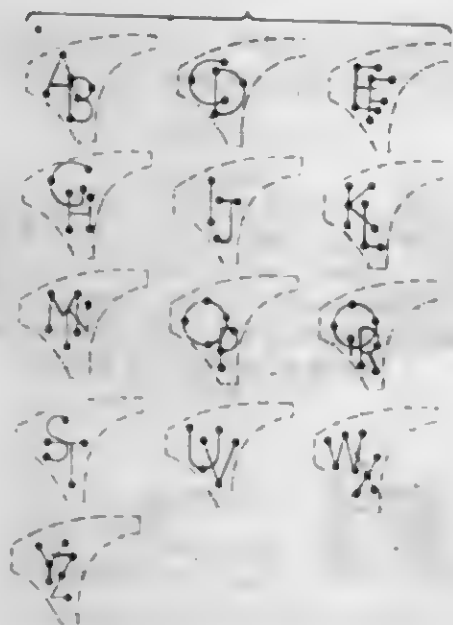
The ornamental design for a magnifier and illuminator for viewing printed material and the like, substantially as shown.

168,547
GAME APPARATUS
 Domeniek Ippolito, Glendale, Calif.
 Application August 16, 1952, Serial No. 21,067
 Term of patent 14 years
 (CL D34—5)



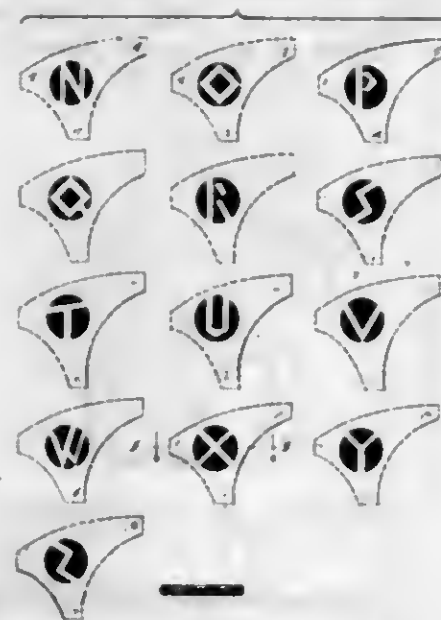
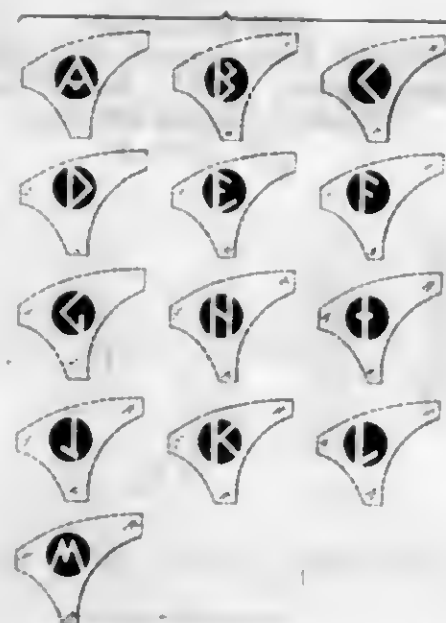
The ornamental design for a game apparatus, as shown.

168,548
MONOGRAMMED SPECTACLE FRONT
 Samu-El Ish-Shalom, New York, N. Y.
 Application May 24, 1952, Serial No. 19,874
 Term of patent 14 years
 (CL D57—1)



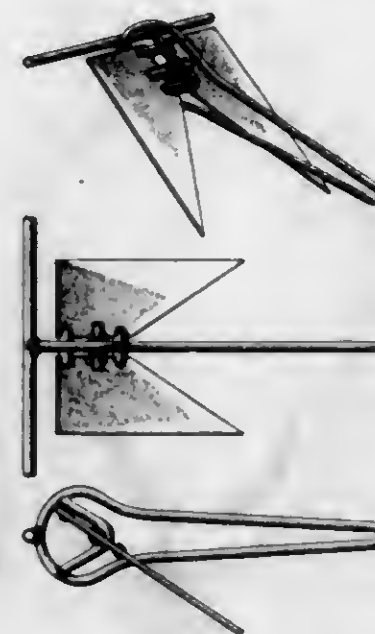
The ornamental design for a monogrammed spectacle front, as shown and described.

168,549
INITIALED SPECTACLE FRONT
 Samu-El Ish-Shalom, New York, N. Y.
 Application July 30, 1952, Serial No. 20,851
 Term of patent 14 years
 (CL D57—1)



The ornamental design for an initialed spectacle front, as shown and described.

168,550
BOAT ANCHOR
 Olaf H. Johnson, Oakland, Calif.
 Application January 30, 1952, Serial No. 18,303
 Term of patent 14 years
 (CL D71—1)



The ornamental design for a boat anchor, substantially as shown.

168,551
NECKLACE OR THE LIKE
 Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
 Application August 13, 1952, Serial No. 20,992
 Term of patent 7 years
 (CL D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,552
NECKLACE OR THE LIKE
 Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
 Application August 13, 1952, Serial No. 20,993
 Term of patent 7 years
 (CL D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,553
NECKLACE OR THE LIKE
 Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
 Application August 13, 1952, Serial No. 20,995
 Term of patent 7 years
 (CL D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,554

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 20,996

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,555

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 20,997

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown.

168,556

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 20,998

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,557

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 21,000

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,558

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 21,001

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,559

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 21,002

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,560

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 21,003

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,561

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York

Application August 13, 1952, Serial No. 21,006

Term of patent 7 years

(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown.

168,562

NECKLACE OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 13, 1952, Serial No. 21,007
Term of patent 7 years
(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,563

BROOCH OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 13, 1952, Serial No. 21,009
Term of patent 7 years
(Cl. D45-19)

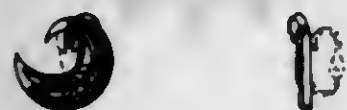


The ornamental design for a brooch or the like, substantially as shown.

168,564

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,251
Term of patent 7 years
(Cl. D45-9)

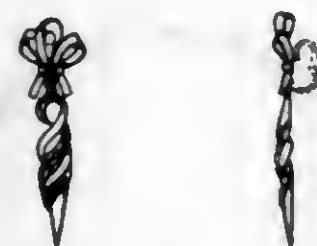


The ornamental design for an earring or the like, substantially as shown.

168,565

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,254
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,566

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,255
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,567

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,256
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,568

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,259
Term of patent 7 years
(Cl. D45-9)

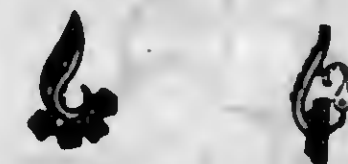


The ornamental design for an earring or the like, substantially as shown.

168,569

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,260
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,570

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,261
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,571

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,262
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,572

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,263
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,573

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,569
Term of patent 7 years
(Cl. D45-9)

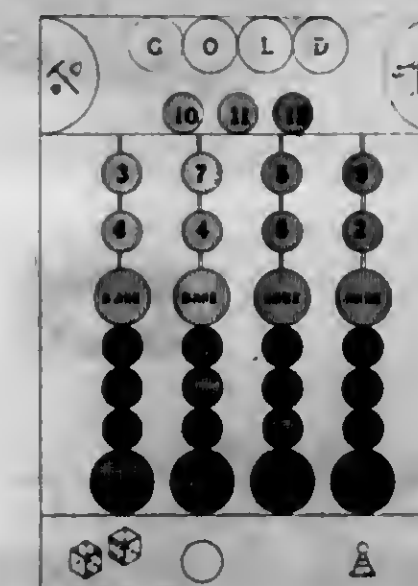


The ornamental design for an earring or the like, substantially as shown.

168,574

GAME BOARD

Steve Kerro, Indianapolis, Ind.
Application September 2, 1952, Serial No. 21,283
Term of patent 7 years
(Cl. D34-5)



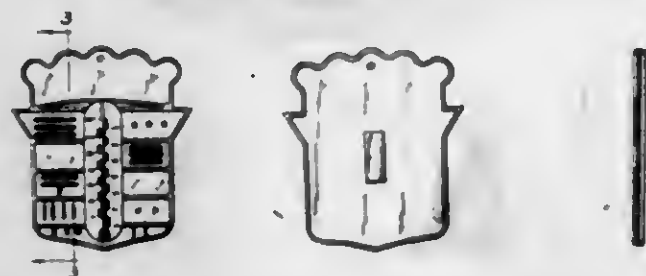
The ornamental design for a game board, as shown and described.

168,575

MAGNETIC THERMOMETER

Richard Kux, Detroit, Mich.

Application September 17, 1952, Serial No. 21,504

Term of patent 7 years
(Cl. D52-7)

The ornamental design for a magnetic thermometer, as shown.

168,576

VEHICLE FRONT END ASSEMBLY

Fred A. Lee, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application July 15, 1950, Serial No. 11,214

Term of patent 14 years
(Cl. D14-3)

The ornamental design for a vehicle front end assembly, substantially as shown and described.

168,577

DRINKING GLASS OR THE LIKE

Melvin H. Levi, New York, N. Y.

Application October 3, 1952, Serial No. 21,681

Term of patent 14 years
(Cl. D36-8)

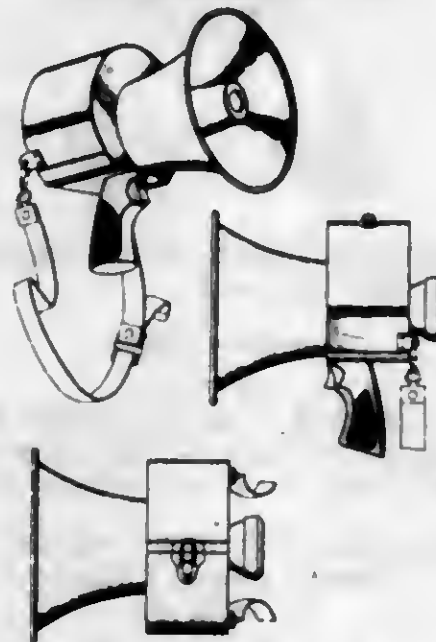
The ornamental design for a drinking glass, or the like, as shown.

168,578

ELECTRIC MEGAPHONE

Edwin B. Levinson, Van Nuys, Calif.

Application January 15, 1952, Serial No. 18,072

Term of patent 14 years
(Cl. D26-14)

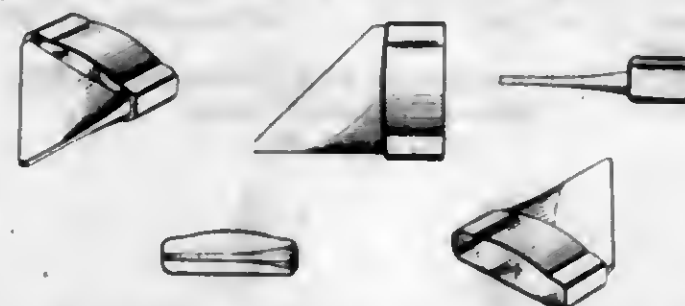
The ornamental design for an electric megaphone, as shown and described.

168,579

END CAP FOR A VENETIAN BLIND BOTTOM BAR

Hans K. Lorentzen, Montclair, N. J., assignor to Levelor Lorentzen, Inc., New York, N. Y., a corporation of Delaware

Application October 20, 1951, Serial No. 17,045

Term of patent 14 years
(Cl. D21-6)

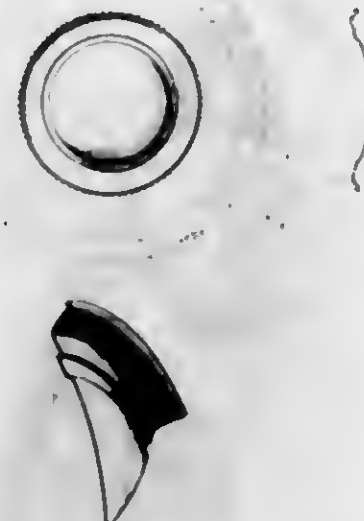
The ornamental design for an end cap for a Venetian blind bottom bar, substantially as shown.

168,580

WHEEL COVER OR SIMILAR ARTICLE

George Albert Lyon, Detroit, Mich.

Application December 26, 1950, Serial No. 13,577

Term of patent 14 years
(Cl. D14-30)

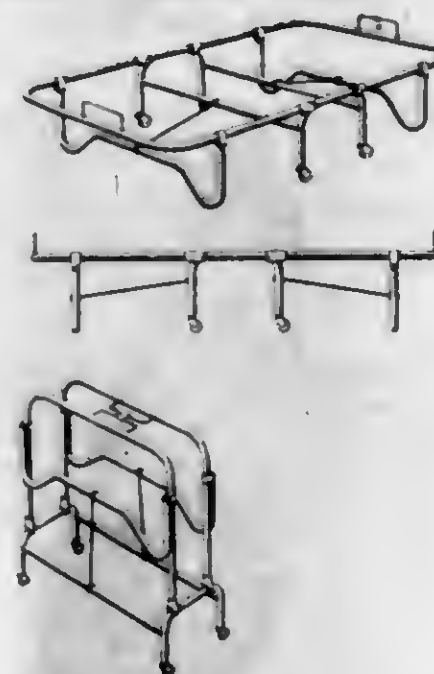
The ornamental design for a wheel cover or similar article, substantially as shown and described.

168,581

FOLDING BEDFRAME

William K. McInerney and James M. McInerney, Grand Rapids, Mich.

Application March 13, 1952, Serial No. 18,866

Term of patent 14 years
(Cl. D5-4)

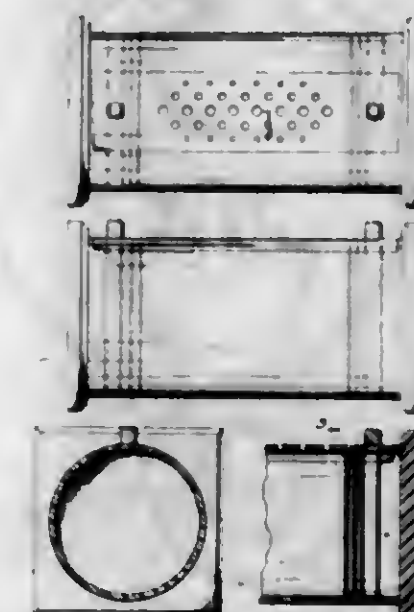
The ornamental design for a folding bedframe as shown.

168,582

AQUARIUM

Francis J. McMorow, Stamford, Conn.

Application August 3, 1951, Serial No. 16,134

Term of patent 7 years
(Cl. D91-2)

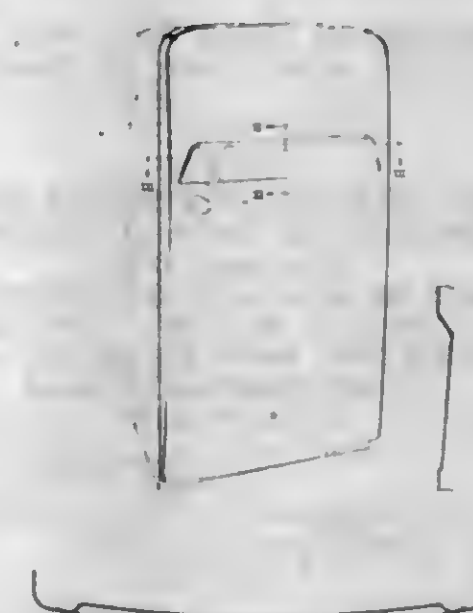
The ornamental design for an aquarium, substantially as shown.

168,583

REFRIGERATOR CABINET

Peter Muller-Munk, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, a corporation of Delaware

Application February 5, 1952, Serial No. 18,396

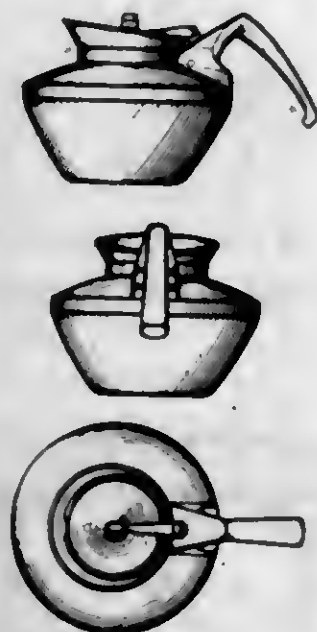
Term of patent 14 years
(Cl. D67-3)

The ornamental design for a refrigerator cabinet, substantially as shown and described.

168,584

TEAPOT OR SIMILAR ARTICLE

Charles H. Newman, Northfield, and James L. Hvale, Chicago, Ill., assignors to Teamakers, Inc., Chicago, Ill., a corporation of Illinois
Application August 6, 1952, Serial No. 20,920
Term of patent 14 years
(Cl. D44-26)

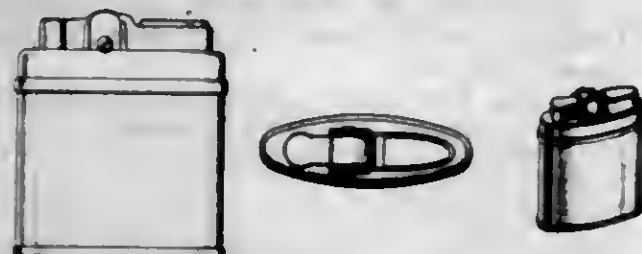


The ornamental design for a teapot or similar article, as shown.

168,585

CIGAR LIGHTER OR SIMILAR ARTICLE

Warren I. Nissen, Basking Ridge, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application August 9, 1952, Serial No. 20,964
Term of patent 14 years
(Cl. D48-27)



The ornamental design for a cigar lighter or similar article, substantially as shown.

168,586

DRUM UPENDER OR SIMILAR ARTICLE

John Oros and Walter H. Moorhead, Cleveland, Ohio
Substituted for abandoned application Serial No. 8,017, February 18, 1950. This application March 12, 1952, Serial No. 18,856
Term of patent 14 years
(Cl. D54-13)



The ornamental design for a drum upender or similar article, substantially as shown.

168,587

ICED CAKE

Kenneth A. Patrick, Bethesda, Md., assignor to Bethesda Pastry Shops, Inc., Bethesda, Md., a corporation of Maryland
Application August 21, 1952, Serial No. 21,144
Term of patent 14 years
(Cl. D82-2)



The ornamental design for an iced cake, as shown.

168,588

ICED CAKE

Kenneth A. Patrick, Bethesda, Md., assignor to Bethesda Pastry Shops, Inc., Bethesda, Md., a corporation of Maryland
Application August 21, 1952, Serial No. 21,146
Term of patent 14 years
(Cl. D82-2)

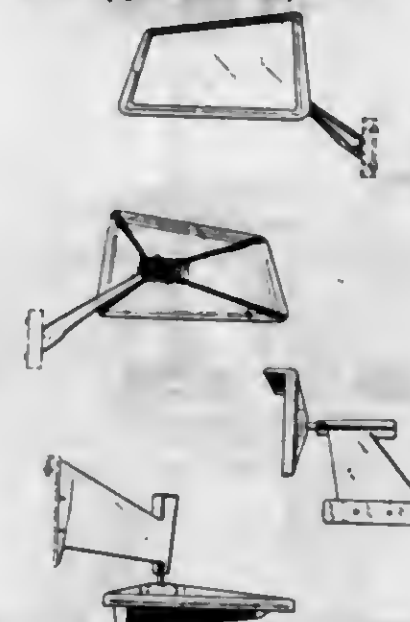


The ornamental design for an iced cake, as shown.

168,589

REARVIEW MIRROR OR SIMILAR ARTICLE

Stanford Pavenick, South Orange, N. J.
Application March 22, 1952, Serial No. 19,006
Term of patent 14 years
(Cl. D14-6)

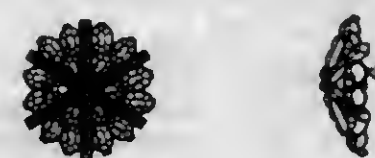


The ornamental design for a rearview mirror or similar article, substantially as shown and described.

168,590

BROOCH OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application January 30, 1952, Serial No. 18,297
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or the like, substantially as shown.

168,591

BROOCH OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1952, Serial No. 21,025
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or the like, substantially as shown.

168,592

NECKLACE OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1952, Serial No. 21,028
Term of patent 7 years
(Cl. D45-16)

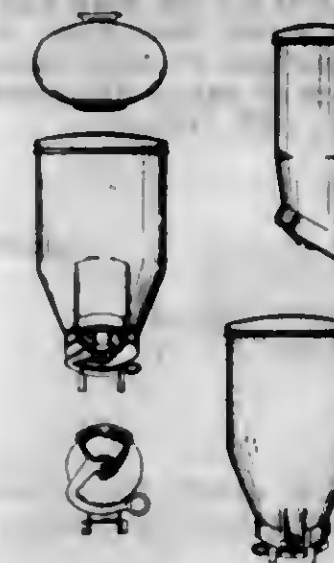


The ornamental design for a necklace or the like, substantially as shown.

168,593

DISPENSING DEVICE FOR GRANULATED MATERIAL

Raymond E. Ponder, St. Louis, Mo.
Application February 23, 1951, Serial No. 14,310
Term of patent 3 1/2 years
(Cl. D52-2)



The ornamental design for a dispensing device for granulated material, substantially as shown.

168,594

EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE

Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application April 25, 1951, Serial No. 14,951
Term of patent 7 years
(Cl. D45-4)

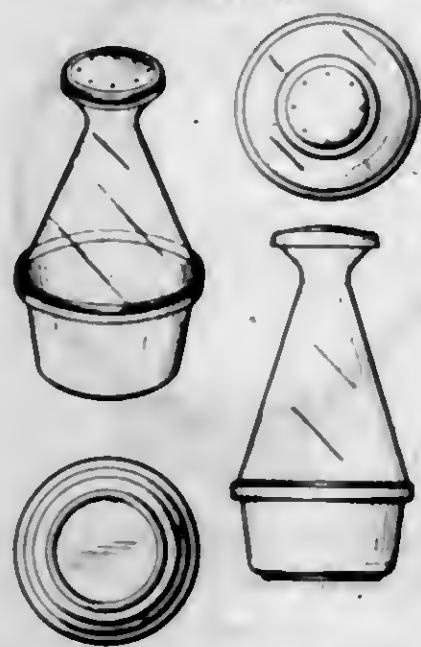


The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

163,595

WATER SPRINKLING DEVICE OR SIMILAR ARTICLE

Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application May 15, 1951, Serial No. 15,186
Term of patent 14 years
(Cl. D52-8)



The ornamental design for a water sprinkling device or similar article, substantially as shown.

163,596

CLASP DEVICE FOR A MULTIPLE STRAND BRACELET OR THE LIKE

Robert Rubel, New York, N. Y.
Application November 27, 1951, Serial No. 17,531
Term of patent 3½ years
(Cl. D45-1)



The ornamental design for a clasp device for a multiple strand bracelet or the like, substantially as shown.

163,597

EXPANSIBLE CHAIN FOR A BRACELET OR THE LIKE

John V. Saccone, Lodi, N. J., assignor to Drema Manufacturing Company, Inc., a corporation of New York
Application April 7, 1952, Serial No. 19,220
Term of patent 14 years
(Cl. D45-4)

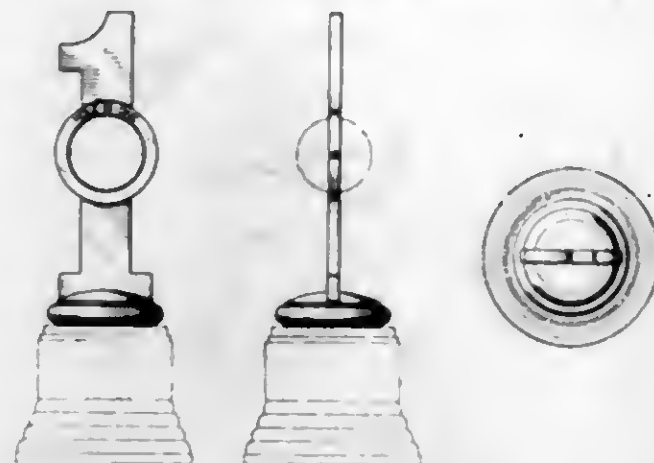


The ornamental design for an expansible chain for a bracelet or the like, substantially as shown and described.

163,598

TROPHY OR SIMILAR ARTICLE

John A. Santner, Skokie, Ill., assignor to Dodge, Inc., Chicago, Ill., a corporation of Illinois
Application July 1, 1950, Serial No. 10,915
Term of patent 7 years
(Cl. D29-28)

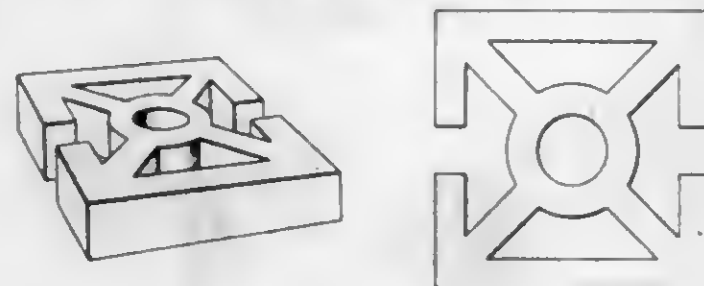


The ornamental design for a trophy or similar article, as shown and described.

163,599

BUILDING BRICK

Byron E. Scott, St. Paul, Minn.
Application February 16, 1952, Serial No. 18,545
Term of patent 14 years
(Cl. D18-2)

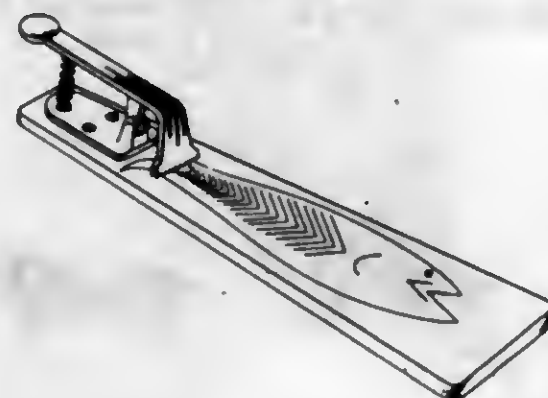


The ornamental design for a building brick, as shown.

163,600

SEPARABLE FISH-SCALING CLAMP OR SIMILAR ARTICLE

Clarence Seeber, Toledo, Ohio
Application April 17, 1952, Serial No. 19,376
Term of patent 14 years
(Cl. D44-29)

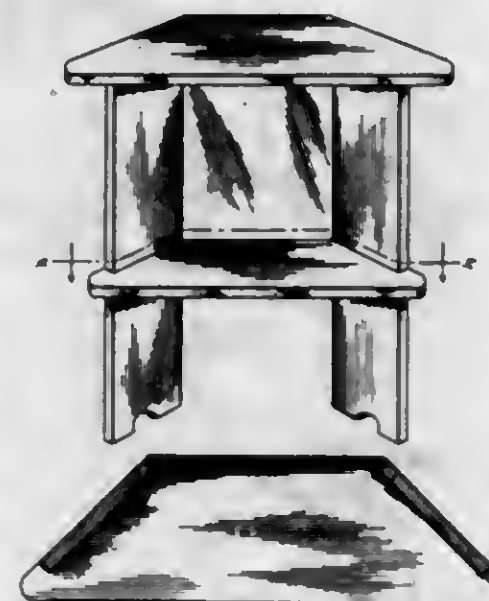


The ornamental design for a separable fish-scaling clamp or similar article, as shown.

163,601

CORNER TABLE OR THE LIKE

Everett A. Swanson, Naval Base, S. C.
Application October 26, 1951, Serial No. 17,133
Term of patent 3½ years
(Cl. D33-14)

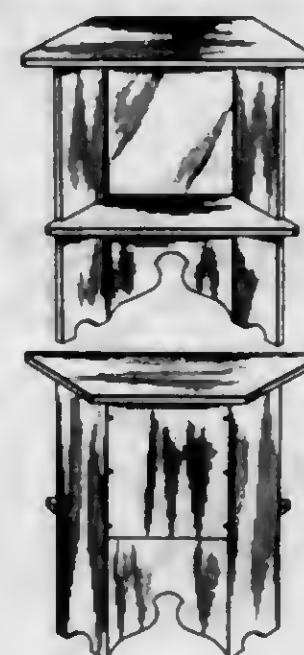


The ornamental design for a corner table or the like, substantially as shown.

163,602

CORNER TABLE

Everett A. Swanson, Naval Base, S. C.
Application December 10, 1951, Serial No. 17,675
Term of patent 3½ years
(Cl. D33-3)

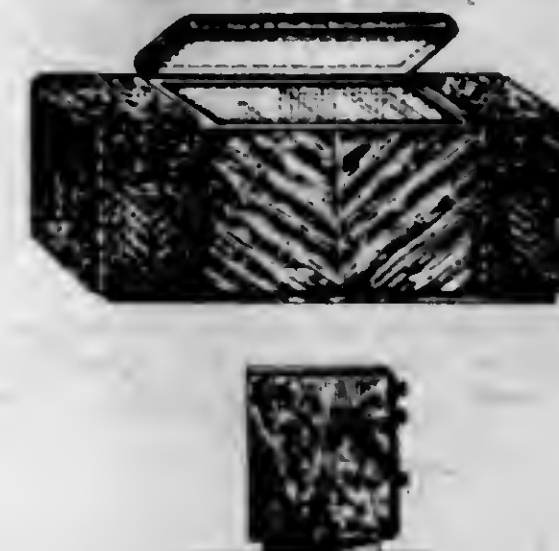


The ornamental design for a corner table, substantially as shown.

163,603

COMBINATION DEEP FREEZER AND BUFFET UNIT

Marian M. Tell, Vallejo, Calif.
Application October 21, 1952, Serial No. 21,915
Term of patent 14 years
(Cl. D32-13)

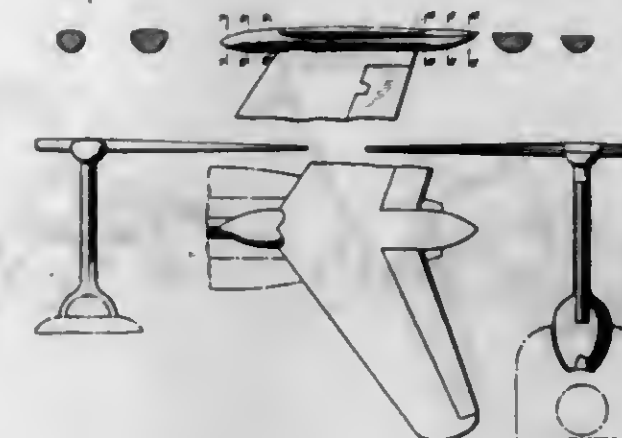
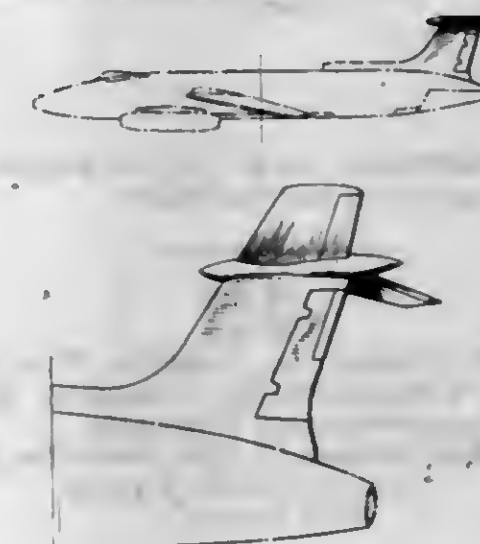


The ornamental design for a combination deep-freezer and buffet unit, as shown.

163,604

AIRPLANE

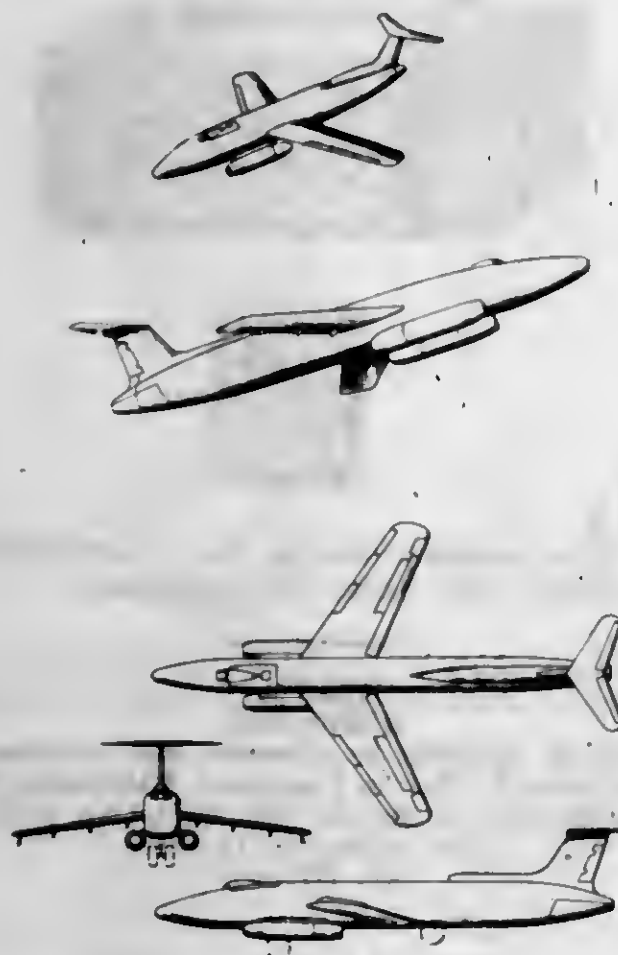
George S. Trimble, Jr., Towson, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application August 24, 1950, Serial No. 11,921
Term of patent 14 years
(Cl. D71-1)



The ornamental design for an airplane, substantially as shown and described.

168,605
AIRPLANE

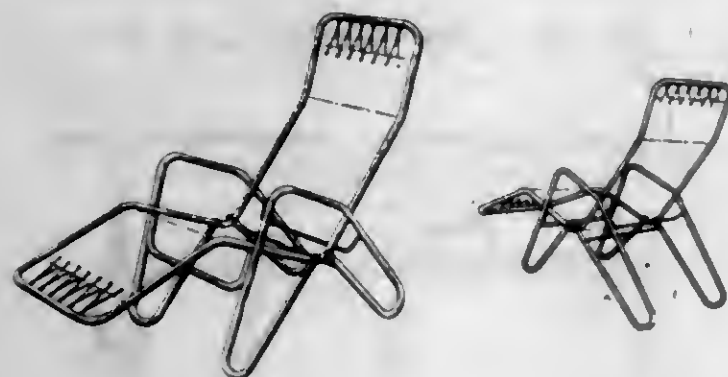
Willem D. van Zelm, Ruxton, Richard K. Wentz, Baltimore, and Ralph H. Draut, Kingsville, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application August 24, 1950, Serial No. 11,904
Term of patent 14 years
(Cl. D71-1)



The ornamental design for an airplane, substantially as shown and described.

168,606
CHAIR

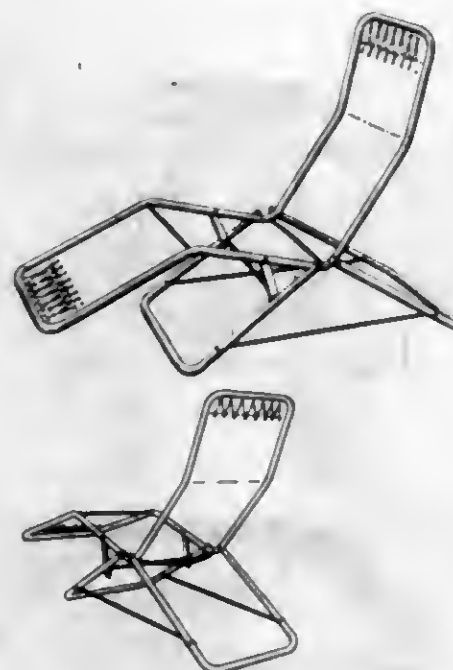
William W. Vincent, Jr., Kenosha, Wis., assignor to The Vincent-McCall Company, Kenosha, Wis., a corporation of Wisconsin
Application October 18, 1952, Serial No. 21,881
Term of patent 14 years
(Cl. D15-8)



The ornamental design for a chair, substantially as shown and described.

168,607
CHAIR

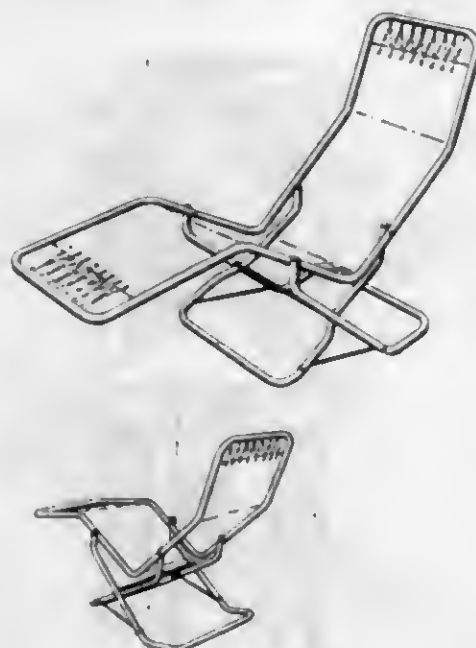
William W. Vincent, Jr., Kenosha, Wis., assignor to The Vincent-McCall Company, Kenosha, Wis., a corporation of Wisconsin
Application October 18, 1952, Serial No. 21,882
Term of patent 14 years
(Cl. D15-8)



The ornamental design for a chair, substantially as shown and described.

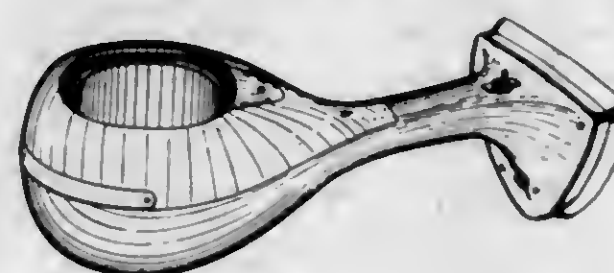
168,608
CHAIR

William W. Vincent, Jr., Kenosha, Wis., assignor to The Vincent-McCall Company, Kenosha, Wis., a corporation of Wisconsin
Application October 18, 1952, Serial No. 21,883
Term of patent 14 years
(Cl. D15-8)

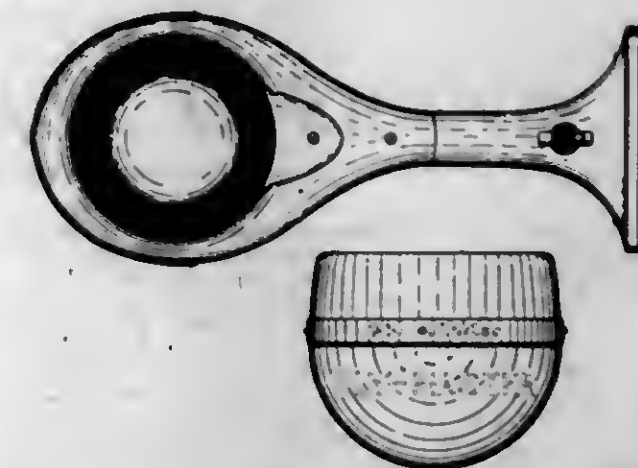


The ornamental design for a chair, substantially as shown and described.

168,609
COMBINED VAPORIZER CASING AND MOUNTING BRACKET
Samuel Wichansky, Elizabeth, N. J., assignor to Remington Products Corporation, Elizabeth, N. J., a corporation of New Jersey
Application March 22, 1950, Serial No. 8,705
Term of patent 7 years
(Cl. D31-3)



168,609—Continued



The ornamental design for a combined vaporizer casing and mounting bracket, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Agfa Camera Werk Munchen, Munich, Germany. Photographic lenses. Serial No. 621,742, Jan. 6. Class 26.
- Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical terminals and connectors. Serial No. 612,194, Jan. 6. Class 21.
- Aktiebolaget Recip, Stockholm, Sweden. Medicinal preparations. Serial No. 611,592, Jan. 6. Class 18.
- Alden Products Company, Brockton, Mass. Unitary electric road warning and work extension lights. Serial No. 571,698, Jan. 6. Class 21.
- Algin Corporation of America, New York, N. Y. Edible compound of Irish moss extract and locust bean gum. Serial No. 623,387, Jan. 6. Class 46.
- Allen-Bradley Company, Milwaukee, Wis. Temperature responsive switches and parts thereof. Serial No. 629,141, Jan. 6. Class 26.
- Allied Chemical & Dye Corporation, New York, N. Y. Pamphlets or leaflets. Serial No. 631,712, Jan. 6. Class 38.
- Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, etc. Serial No. 619,004, Jan. 6. Class 21.
- Altman, Bernhard, New York, N. Y. Threads and yarns. Serial No. 628,980, Jan. 6. Class 43.
- American Bosch Corporation, Springfield, Mass. Windshield wipers. Serial No. 630,564, Jan. 5. Class 19.
- American Brewing Company, New Orleans, La. Beer. Serial No. 631,035, Jan. 6. Class 48.
- American Dietetics Company, Inc., Yonkers, N. Y. Vitamin preparation. Serial No. 627,107, Jan. 6. Class 18.
- American Hospital Association, Chicago, Ill. Quarterly magazine. Serial No. 632,063, Jan. 6. Class 38.
- American Locomotive Company, New York and Schenectady, N. Y. Heat exchangers. Serial No. 624,806, Jan. 6. Class 34.
- American Locomotive Company, New York and Schenectady, N. Y. Cartridge-type filters. Serial No. 624,807, Jan. 6. Class 31.
- American Locomotive Company, New York and Schenectady, N. Y. Wheel trucks. Serial No. 630,372, Jan. 6. Class 19.
- American Seating Company, Grand Rapids, Mich. Stacking chairs and tables. Serial No. 627,860, Jan. 6. Class 32.
- American Welding Alloys Corp., Brooklyn, N. Y. Welding and brazing fluxes. Serial No. 619,915, Jan. 6. Class 6.
- Ames Company, Inc., Elkhart, Ind. Diagnostic reagent (composition) for the detection of blood in body excretions. Serial No. 636,835, Jan. 6. Class 18.
- Ames Supply Company, Chicago, Ill. Platens for typewriters and office machines. Serial No. 606,847, Jan. 6. Class 23.
- Amlal Peruana, S. A., Lima, Peru. Canned fish, canned fish products. Serial No. 621,495, Jan. 6. Class 46.
- Arcair Company, Bremerton, Wash. Electric arc gouging and cutting torches and parts and electrodes for such torches. Serial No. 627,372, Jan. 6. Class 21.
- Armor Laboratories, Inc., Glendale, Calif. Waterproof paint coating. Serial No. 481,039, Jan. 6. Class 16.
- Army Times Publishing Company, Washington, D. C. Newspaper. Serial No. 628,840, Jan. 6. Class 38.
- Arrow Lamp Mfg. Co. Inc., New York, N. Y. Spin type ash receptacles. Serial No. 621,302, Jan. 6. Class 32.
- Arrow Lamp Mfg. Co. Inc., New York, N. Y. Spin type ash receptacles. Serial No. 628,912, Jan. 6. Class 32.
- Atlantic Packing Company: See—
Consolidated Rendering Company.
- Balley Meter Company, Cleveland, Ohio. Fluid pressure control instrument. Serial No. 607,206, Jan. 6. Class 26.
- Baker Castor Oil Company, The, Jersey City, N. J. Esters of soybean oil fatty acids. Serial No. 621,441, Jan. 6. Class 6.
- Bartolomeo Pio, Inc., Philadelphia, Pa. Wines. Serial No. 629,252-3, Jan. 6. Class 47.
- Berghoff Brewing Corporation, Fort Wayne, Ind. Beer. Serial No. 626,724, Jan. 6. Class 48.
- Berwick Textile Products Company, Incorporated, Berwick, Pa. Packaged rayon acetate ribbons. Serial No. 632,285, Jan. 6. Class 7.
- Biddle Purchasing Company, trading as Meridian Distributors, New York, N. Y. Marshmallows and imitation vanilla flavoring. Serial No. 596,827, Jan. 6. Class 46.
- Bishop, G. H., Co., Chicago, Ill. Garment trucks. Serial No. 601,420, Jan. 6. Class 19.
- Bullard, E. D., Co., San Francisco, Calif. First aid and protective equipment. Serial No. 607,790, Jan. 6. Class 44.
- Burton-Dixie Corporation, Chicago, Ill. Pillows. Serial No. 600,027, Jan. 6. Class 32.
- C-K Formula Company: See—
Kelley, Winfred C.
- Calgon, Incorporated, Pittsburgh, Pa. Containers for containing chemicals and to be connected to a water line for mixing the chemicals with the water for treating the same. Serial No. 572,832, Jan. 6. Class 13.
- Capital City Cleaner Company: See—
Fink, Bob.
- Carlson Products Corporation, Cleveland, Ohio. Conduits. Serial Nos. 633,653-6, Jan. 6. Class 13.
- Carlson Products Corporation, Cleveland, Ohio. Conduits. Serial Nos. 633,658-9, Jan. 6. Class 13.
- Carnation Company, Los Angeles, Calif. Livestock and poultry feed. Serial No. 623,270, Jan. 6. Class 46.
- Century Industries, Inc., Chicago, Ill. Tempered or heat treated glass. Serial No. 617,835, Jan. 6. Class 33.
- Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving, and photochemical appliances, apparatus, machines, and supplies. Serial No. 592,548, Jan. 6. Class 26.
- Chippewa Paper Products Co. Inc., Chicago, Ill. Corrugated paper mats. Serial No. 627,674, Jan. 6. Class 37.
- Cliff Co., Chicago, Ill. Industrial chemicals. Serial No. 631,271, Jan. 6. Class 6.
- Collingswood Hosiery Mills, Inc., Westmont, N. J. Women's hosiery. Serial No. 630,830, Jan. 6. Class 39.
- Compeco Corporation, Chicago, Ill. Automobile air defectors. Serial No. 600,120, Jan. 6. Class 19.
- Consolidated Rendering Company, also doing business as Atlantic Packing Company, Boston, Mass. Soap, grease for soap-making, etc. Serial Nos. 610,003-4, Jan. 6. Class 32.
- Consumers Cooperative Association, Kansas City, Mo. Canned vegetables. Serial No. 631,850, Jan. 6. Class 46.
- Consumers Home Products, Inc., Brookline, Mass. Dentifrice. Serial No. 629,190, Jan. 6. Class 51.
- Corn Products Refining Company, New York, N. Y. Milled gluten feed and milled gluten meal. Serial No. 630,527, Jan. 6. Class 46.
- D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables. Serial No. 631,652, Jan. 6. Class 46.
- Daystrom, Incorporated, Ellsabeth, N. J. Laminated plastic table tops. Serial No. 617,235, Jan. 6. Class 32.
- De Laval Separator Company, The, New York, N. Y. Self-measuring proportioning pumps. Serial No. 554,304, Jan. 6. Class 26.
- Dicks, C. O., Co., Detroit, Mich. Liquid rubber base adhesive cement. Serial No. 621,605, Jan. 6. Class 5.
- Diva Laboratories Limited, Victoria, British Columbia, Canada. Ointments for external use, capsules for internal use, and liquids for internal use. Serial No. 620,404, Jan. 6. Class 18.
- Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 626,449, Jan. 6. Class 12.
- Dupli-Color Products Co., Inc., Chicago, Ill. Propellants adapted to spray guns. Serial No. 619,928, Jan. 6. Class 6.
- Dyer & Co., Kansas City, Kans. Poultry feed. Serial No. 606,460, Jan. 6. Class 46.
- Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Radiation sensitive element for measuring light, etc. Serial No. 630,529, Jan. 6. Class 26.
- Edco Fragrance, Inc., Brooklyn, N. Y. Perfumes and toilet waters. Serial No. 631,653, Jan. 6. Class 51.
- Elder, Edgar L., doing business as Elder Trailer and Body Service, Denver, Colo. Portable trailers. Serial No. 593,862, Jan. 6. Class 19.
- Elder Trailer and Body Service: See—
Elder, Edgar L.
- Ercona Camera Corporation, New York, N. Y. Cameras. Serial Nos. 630,318-19, Jan. 6. Class 26.
- Ercona Camera Corporation, New York, N. Y. Photographic lenses. Serial No. 630,322, Jan. 6. Class 26.
- Esbeco Distilling Corporation, Stamford, Conn. Whiskey. Serial No. 563,917, Jan. 6. Class 49.
- Fair Lawn Finishing Company, Fair Lawn, N. J. Chemically treating synthetic fabrics in the piece. Serial No. 620,151, Jan. 6. Class 106.
- Fancher, James K., Atlanta, Ga. Medicinal preparation. Serial No. 622,072, Jan. 6. Class 18.
- Farbwerke Hoechst, vormals Meister Lucius & Brünning, Frankfurt-on-the-Hoechst, Germany. Coal-tar dyestuffs. Serial No. 622,712, Jan. 6. Class 6.
- Farm Bureau Cooperative Association, Inc., The, Columbus, Ohio. Gasoline and fuel oil. Serial No. 632,667, Jan. 6. Class 15.
- Federated Department Stores, Inc., Cincinnati, Ohio. Gas and oil burning water heaters, stokers, exhaust and ventilating fans, etc. Serial No. 628,753, Jan. 6. Class 34.
- Ferree Studios: See—
Ferree, Thaddeus S., Jr.
- Ferree, Thaddeus S., Jr., doing business under the name of Ferree Studios, Raleigh, N. C. Display stands. Serial No. 620,594, Jan. 6. Class 32.

LIST OF TRADE-MARK APPLICANTS

Fidelity Pharmacal Corp., Newark, N. J. Castor-oil emulsion. Serial No. 628,527, Jan. 6. Class 18.
 Filter-Soft Corporation, Detroit, Mich. Water softening units. Serial No. 502,964, Jan. 6. Class 31.
 Fink, Bob, doing business as Capital City Cleaner Company, Washington, D. C. Surface cleaning compound. Serial No. 614,824, Jan. 6. Class 32.
 Fink, Bob, doing business as Capital City Cleaner Company, Washington, D. C., and Philadelphia, Pa. Surface cleaning compound. Serial No. 614,825, Jan. 6. Class 32.
 Fischer Film Laboratories, Chicago, Ill. Unexposed motion picture film. Serial No. 613,220, Jan. 6. Class 29.
 Flavour Corporation of America, Chicago, Ill. Concentrated extracts. Serial No. 628,528, Jan. 6. Class 46.
 Flavour Corporation of America, Chicago, Ill. Food flavorings. Serial No. 628,158, Jan. 6. Class 46.
 Flower, D. B., Mfg. Co., Philadelphia, Pa. Electric brush holders. Serial No. 625,897, Jan. 6. Class 21.
 Fox, John A., doing business as Patbon Manufacturing Company, Cincinnati, Ohio. Fluid pressure operated cylinders. Serial No. 617,284, Jan. 6. Class 23.
 Gayet Ceramics: See—
 Gaylord, Ethlyn B.
 Gaylord, Ethlyn B., doing business as Gayet Ceramics, Temple City, Calif. Ceramic articles. Serial No. 628,040, Jan. 6. Class 30.
 Gillette Company, The, doing business under the name and style of The Gillette Company, Boston, Mass. Shampoos. Serial No. 632,118, Jan. 6. Class 52.
 Girard Paint & Varnish Mfg. Co., Philadelphia, Pa. Furnace cement, putty, patching plaster, etc. Serial No. 508,613, Jan. 6. Class 12.
 Globe Roofing Products Co., Inc., Whiting, Ind. Aluminum surfaced roll roofing, aluminum surfaced asphalt shingles, etc. Serial No. 625,548, Jan. 6. Class 12.
 Golden State Company, Ltd., San Francisco, Calif. Butter, fluid milk, fluid cream, etc. Serial No. 629,199, Jan. 6. Class 46.
 Goldsborough, F. V., Distilling Corporation, Baltimore, Md. Whiskey. Serial No. 628,198, Jan. 6. Class 49.
 Goodman, H., Inc., Cleveland, Ohio. Mattresses, box springs, studio couches, etc. Serial No. 628,200, Jan. 6. Class 32.
 Gorham Manufacturing Company, Providence, R. I. Ceramic articles. Serial No. 622,893, Jan. 6. Class 30.
 Gould-National Batteries, Inc.: See—
 National Battery Company.
 Graton & Knight Company, Worcester, Mass. All-leather flexible sheet. Serial No. 630,597, Jan. 6. Class 1.
 Grayson-Robinson Stores, Inc., New York, N. Y. Women's and girls' sweaters. Serial No. 622,019, Jan. 6. Class 39.
 Grosser & Dunlap, Inc., New York, N. Y. Books. Serial No. 632,474, Jan. 6. Class 38.
 Gulf Salt Company, Houston, Tex. Salt. Serial No. 631,500, Jan. 6. Class 46.
 Halkey-Roberts Corporation, Paramus, N. J. Air valves. Serial No. 628,761, Jan. 6. Class 13.
 Hanson-Van Winkle-Munnig Company, Matawan, N. J. Electroplating bath ingredients, ammonium chloride, ammonium nitrate, etc. Serial No. 635,829, Jan. 6. Class 6.
 Haskell, Charles C., & Co., Inc., Richmond, Va. Anthralkid preparation. Serial No. 623,599, Jan. 6. Class 18.
 Haupt, Joseph, Brooklyn, N. Y. Pencils, composition, memorandum, and note books, etc. Serial No. 623,527, Jan. 6. Class 37.
 Heckman Products Corp., Washington, D. C. Pickles, sauerkraut, pickled cocktail onions, etc. Serial No. 603,789, Jan. 6. Class 46.
 Herang, M., Company, Inc., New York, N. Y. Hairnets. Serial No. 629,433, Jan. 6. Class 39.
 Hill, Arthur W., doing business under the name of Indiana Feed & Seed Co., Fort Wayne, Ind. Bird foods. Serial No. 613,846, Jan. 6. Class 46.
 Hillman Periodicals, Inc., New York, N. Y. Periodical publication. Serial No. 632,031, Jan. 6. Class 38.
 Hindu Products Mfg. Corp., Chicago, Ill. Face creams, face powders, talcum powders, etc. Serial No. 620,000, Jan. 6. Class 51.
 Holiday Hosiery Corporation, New York, N. Y. Women's and girls' stockings. Serial No. 627,188, Jan. 6. Class 39.
 Hygiene Service Inc., Cleveland, Ohio. Foot-powder. Serial No. 634,470, Jan. 6. Class 18.
 Indiana Feed & Seed Co.: See—
 Hill, Arthur W.
 Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Electrically-driven hand held tools. Serial No. 621,557, Jan. 6. Class 21.
 Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Reciprocating compressors. Serial No. 631,910, Jan. 6. Class 23.
 Inventa A. O., Lucerne, Switzerland. Polymers on the base of lactam. Serial No. 629,166, Jan. 6. Class 6.
 Irrigation Equipment Co., Inc., Eugene, Ore. Movable field irrigation systems comprising pipes, metal couplers, etc. Serial No. 625,476, Jan. 6. Class 13.
 Ives-Cameron Company, Inc., New York, N. Y. Vitamins, belladonna and phenobarbital compound. Serial No. 631,161, Jan. 6. Class 18.
 Jackson-Mitchell Pharmaceuticals, Inc., Los Angeles, Calif. Medicinal preparation. Serial No. 624,951, Jan. 6. Class 18.
 James Manufacturing Company, Independence, Kans. Dishwashing machines. Serial No. 631,162, Jan. 6. Class 23.
 Johnston Water-System Co., Mansfield, Ohio. Centrifugal pumps. Serial No. 611,278, Jan. 6. Class 23.
 Jones, Sterling, Laboratories, doing business under the name of R. A. Myers & Company, St. Paul, Minn. Sanitation service. Serial No. 535,640, Jan. 6. Class 100.
 Kelley, Winfred C., doing business as C-K Formula Company, Dayton, Ohio. Pharmaceutical preparation. Serial No. 624,492, Jan. 6. Class 18.
 Kerite Company, The, Seymour, Conn., and New York, N. Y. Electrical insulating materials. Serial No. 613,408, Jan. 6. Class 21.
 Kerite Company, The, Seymour, Conn., and New York, N. Y. Electrical insulating materials. Serial No. 613,461, Jan. 6. Class 21.
 Kerns, J. F., Company, Chicago, Ill. Liquid type paint and varnish remover. Serial No. 623,057, Jan. 6. Class 52.
 Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. Serial No. 630,600, Jan. 6. Class 26.
 King Organic Chemicals, Incorporated, Norwalk, Conn. Alkylated naphthalene sulfonates. Serial No. 614,556, Jan. 6. Class 6.
 Knapp-Monarch Company, St. Louis, Mo. Infra-red ray lamps. Serial No. 593,321, Jan. 6. Class 44.
 Koret of California, Inc., San Francisco, Calif. Women's, misses', and children's dresses, halters, outer shorts, etc. Serial No. 619,975, Jan. 6. Class 39.
 Labor Spring and Tire Corporation, Oakland, Calif. Automobile storage batteries. Serial No. 631,241, Jan. 6. Class 21.
 Lane-Wells Company, Los Angeles, Calif. Well casing and formation perforating in well boreholes. Serial No. 580,845, Jan. 6. Class 103.
 La Pryor Milling Co., La Pryor, Tex. Protein and mineral supplement. Serial No. 626,580, Jan. 6. Class 18.
 Larna & Brother Company, Richmond, Va. Smoking tobacco. Serial No. 620,891, Jan. 6. Class 17.
 Lefferts Novelty Co.: See—
 Ross, Alfred.
 Levy Brothers, Inc., Atlanta, Ga. Ladies' and misses' dresses, skirts, suits and jumpers. Serial No. 626,517, Jan. 6. Class 30.
 Lewis Food Co., also doing business as Ross Food Co., Los Angeles, Calif. Cat and dog food. Serial No. 613,300, Jan. 6. Class 46.
 Lyric Distributors: See—
 Sears, Roebuck and Co.
 Maldenform Brasserie Co., Inc., New York, N. Y. Brassieres. Serial No. 623,727, Jan. 6. Class 39.
 Mallard Pencil Co., Inc., The, Georgetown, Ky. Wood cased crayons and wood cased lead pencils. Serial No. 622,342, Jan. 6. Class 37.
 Manhattan Drug Company, Brooklyn, N. Y. Tyrothricin-benzocaine lozenges. Serial No. 589,517, Jan. 6. Class 18.
 Manhattan Novelty Corporation, New York, N. Y. Binoculars. Serial No. 620,221, Jan. 6. Class 26.
 Matthews, W. N., Corporation, St. Louis, Mo. Thermostatic electric-relay switches. Serial No. 629,030, Jan. 6. Class 26.
 Melaro's, Incorporated, Oakmont, Pa. Permanent wave sets, curlers, rods, etc. Serial No. 589,668, Jan. 6. Class 44.
 Mercantile Stores Company, Inc., Wilmington, Del. Clothes washing machines. Serial No. 632,511, Jan. 6. Class 24.
 Meridian Distributors: See—
 Biddle Purchasing Company.
 Metropolitan-Vickers Electrical Company Limited, London, England. Detecting, measuring, indicating and recording apparatus. Serial No. 591,788, Jan. 6. Class 26.
 Metropolitan-Vickers Electrical Company Limited, London, England. Machinery and apparatus for use in the generation of electricity. Serial No. 591,789, Jan. 6. Class 21.
 Metropolitan-Vickers Electrical Company Limited, London, England. Machinery and apparatus for use in the generation of electricity. Serial No. 591,791, Jan. 6. Class 21.
 Metropolitan-Vickers Electrical Company Limited, London, England. Detecting, measuring, indicating and recording apparatus. Serial No. 591,793, Jan. 6. Class 26.
 Meyerling, Anne L., New York, N. Y. Elastic belts. Serial No. 626,812, Jan. 6. Class 39.
 Minnesota Mining and Manufacturing Company, St. Paul, Minn. Equipment for use in abrading rough edges, burrs and the like. Serial No. 621,598, Jan. 6. Class 23.
 Modglin Company, Inc., Los Angeles, Calif. Whisk brooms. Serial No. 633,428, Jan. 6. Class 29.
 Mount Olive Pickle Co., Inc., Mount Olive, N. C. Pickles and pickle relishes. Serial No. 631,433, Jan. 6. Class 46.
 Mount Olive Pickle Company, Inc., Mount Olive, N. C. Pickles and pickle relishes. Serial No. 631,434, Jan. 6. Class 46.
 Mullins, John, & Sons, Inc., Brooklyn, N. Y. Horological instruments. Serial No. 624,418, Jan. 6. Class 27.

LIST OF TRADE-MARK APPLICANTS

Munsingwear, Inc., Minneapolis, Minn. Women's and girls' hosiery. Serial No. 629,448, Jan. 6. Class 39.
 Mycalex Corporation of America, Clifton, N. J. Solid molded electrical insulating material. Serial Nos. 626,041-2, Jan. 6. Class 21.
 Mycro Camera Co., Inc., New York, N. Y. Photographic lenses. Serial No. 630,335, Jan. 6. Class 26.
 Mycro Camera Co., Inc., New York, N. Y. Photographic lenses. Serial No. 630,337, Jan. 6. Class 26.
 Myers, R. A., & Company: See—
 Jones, Sterling, Laboratories.
 N. V. Nederlandsche Machinefabriek "Artillerie Inrichtingen," Hemburg, Zaandam, Netherlands. Pedometers. Serial No. 621,083, Jan. 6. Class 26.
 Natale Machine and Tool Company, Carlstadt, N. J. Electric spot and flood lights. Serial No. 619,255, Jan. 6. Class 21.
 National Battery Company, St. Paul, Minn., now by change of name, Gould-National Batteries, Inc. Battery jars. Serial No. 599,338, Jan. 6. Class 21.
 National Farm Equipment Co., Inc., New York, N. Y. Combination egg grader and candle. Serial No. 606,671, Jan. 6. Class 26.
 National Feather & Down Company, Brooklyn, N. Y. Pillow and cushions. Serial No. 602,517, Jan. 6. Class 32.
 National Pressure Cooker Company, Eau Claire, Wis. Speed controls for outdoor motors. Serial No. 602,103, Jan. 6. Class 23.
 Nepera Chemical Co., Inc., Nepera Park, N. Y. Diuretic, broncho-dilator and coronary dilator. Serial No. 637,072, Jan. 6. Class 18.
 New England Bobbin and Shuttle Co., Nashua, N. H. Bobbins for use in the textile industry. Serial No. 615,941, Jan. 6. Class 23.
 Nite Kraft Corporation, The, New York, N. Y. Pajamas. Serial No. 626,902, Jan. 6. Class 39.
 Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Lunch pails. Serial No. 621,644, Jan. 6. Class 2.
 Oakley, Annie, Enterprises, Inc., assignee: See—
 Oakley, Annie, Enterprises.
 O'Grady, Johnny, doing business as Johnny O'Grady Co., Salinas, Calif. Fresh vegetables. Serial No. 633,164, Jan. 6. Class 46.
 O'Grady, Johnny, Co.: See—
 O'Grady, Johnny.
 Olive and Myers Mfg. Co., Dallas, Tex. Modern ranch furniture. Serial No. 583,812, Jan. 6. Class 32.
 Otis Engineering Corporation, Dallas, Tex. Oil and gas well tools and oil and gas well drilling, producing and servicing equipment. Serial No. 576,929, Jan. 6. Class 23.
 P and C Hand Forged Tool Co., Portland and Milwaukee, Ore. Tools. Serial No. 615,242, Jan. 6. Class 23.
 Packaging Industries Limited, Inc., Montreal, N. J. Machines for forming heat sealed seams. Serial No. 623,848, Jan. 6. Class 23.
 Pan American Bank of Miami, Miami, Fla. Banking services. Serial No. 609,767-8, Jan. 6. Class 102.
 Parfuma Evyan Inc., New York, N. Y. Perfumes, colognes, toilet water. Serial No. 599,969, Jan. 6. Class 51.
 Parfums Forvill & Dentifrices du Docteur Pierre Reunis, Societe Anonyme, Nanterre (Seine), France. Dentifrices, liquid dentifrices. Serial No. 620,550, Jan. 6. Class 51.
 Patbon Manufacturing Company: See—
 Fox, John A.
 Patterson, T. A., Laboratories: See—
 Patterson, Thomas A.
 Patterson, Thomas A., doing business as T. A. Patterson Laboratories, Cleveland, Ohio. Liquid bleach. Serial No. 631,909, Jan. 6. Class 6.
 Pearson Pharmacal Company, Inc., New York, N. Y. Pellet for ingestion by animals. Serial No. 637,395, Jan. 6. Class 18.
 Pearson Pharmacal Company, Inc., New York, N. Y. Ingestible tablet which when taken internally by human beings has the chemical property of acting systematically to control fertility factors. Serial No. 637,396, Jan. 6. Class 18.
 Penberthy Instrument Company, Inc., Seattle, Wash. Glass. Serial No. 620,473, Jan. 6. Class 33.
 Perry Plastics, Inc., Erie, Pa. Plastic dishes. Serial No. 621,165, Jan. 6. Class 2.
 Philco Corporation, Philadelphia, Pa. Gas and oil cooking ranges and stoves. Serial No. 622,619, Jan. 6. Class 34.
 Plymouth Wallpaper Company, Inc., Baltimore, Md. Wall paper. Serial No. 629,619, Jan. 6. Class 37.
 Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser, and detergent. Serial No. 630,019, Jan. 6. Class 52.
 Purdue Frederick Company, The, New York, N. Y. Medicinal preparations. Serial No. 631,177, Jan. 6. Class 18.
 Quaint Acres: See—
 Quaintance, Howard W.
 Quaintance, Howard W., doing business as Quaint Acres, Silver Spring, Md. Landscape horticulture. Serial No. 628,871, Jan. 6. Class 1.
 Radlat Corporation, The, Cleveland, Ohio. A. C. rectifiers. Serial No. 610,140, Jan. 6. Class 21.
 Raxor Corporation, New York, N. Y. Mechanically grooved phonograph records and phonograph record albums. Serial No. 627,223, Jan. 6. Class 36.
 Read's, Walter, Theatres, Inc., New York, N. Y. Service of preparing and distributing food and soft drinks. Serial No. 605,052, Jan. 6. Class 100.
 Research Products Company, Fargo, N. Dak. Neutralizer for unpleasant interior car odors. Serial No. 614,164, Jan. 6. Class 6.
 Robapharm Laboratories Ltd., Basel, Switzerland. Preparation for the treatment of heart diseases. Serial No. 611,454, Jan. 6. Class 18.
 Rohm & Haas Company, Philadelphia, Pa. Synthetic resin solution. Serial No. 632,102, Jan. 6. Class 6.
 Rootie Kanoodle, Inc., New York, N. Y. Lead pencils. Serial No. 630,730, Jan. 6. Class 37.
 Ross, Alfred, doing business under the name of Lefferts Novelty Co., Brooklyn, N. Y. Candy. Serial No. 631,496, Jan. 6. Class 46.
 Ross Food Co.: See—
 Lewis Food Co.
 Ruppert, Jacob, New York, N. Y. Beer. Serial No. 611,861, Jan. 6. Class 48.
 Sarna, S. S., Inc., New York, N. Y. Flexibly connected collection of ornamental bells and a hanger-supported flexible connection having bell-supporting hooks. Serial No. 624,304, Jan. 6. Class 13.
 Schenley Distillers Corporation: See—
 Schenley Industries, Inc.
 Schenley Industries, Inc., New York, N. Y., by change of name from Schenley Distillers Corporation. Pure extract of lemon, pure extract of vanilla, pure extract of almond. Serial No. 580,622, Jan. 6. Class 46.
 Schulmerich Electronics, Incorporated, Sellersville, Pa. Musical instruments. Serial No. 621,169, Jan. 6. Class 38.
 Sears, Roebuck and Co., Chicago, Ill. Hard surface floor covering. Serial No. 622,039, Jan. 6. Class 20.
 Sears, Roebuck and Co., Chicago, Ill. doing business as Lyric Distributors, New York, N. Y. Manicure implements. Serial No. 622,041, Jan. 6. Class 44.
 Seminola Flavor Company, Chattanooga, Tenn. Cola variety of carbonated non-alcoholic non-cereal maltless beverages. Serial No. 564,834, Jan. 6. Class 45.
 Sexton, John, & Co., Chicago, Ill. Scouring cleanser. Serial No. 630,217, Jan. 6. Class 52.
 Shirliff's Limited, Toronto, Ontario, Canada. Gelatine dessert powders. Serial No. 577,459, Jan. 6. Class 46.
 Sideris, Anthony, doing business as Tony Sideris, Rome, Ga. Oil dressing for salads, vegetables, and the like. Serial No. 611,725, Jan. 6. Class 46.
 Sideris, Tony: See—
 Sideris, Anthony.
 Skelly Pharmacal Company, Chicago, Ill. Pharmaceutical preparation. Serial No. 600,232, Jan. 6. Class 18.
 Skillcraft Machine Tool Company, The, West Hartford, Conn. Boring drills. Serial No. 616,647, Jan. 6. Class 23.
 Smith-Stewart Paper Products, Inc., Brooklyn, N. Y. Gift wrapping paper. Serial No. 615,516, Jan. 6. Class 37.
 Smith, Vivian J., Stapleton, N. Y. Non-alcoholic soft drinks. Serial No. 627,904, Jan. 6. Class 45.
 Societa Elettrica ed Elettrochimica del Caffaro, Milan, Italy. Chloride of lime. Serial No. 625,768, Jan. 6. Class 6.
 Societe Anonyme Etablissements F. Vibert, Lyon (Rhône), France. Hair lotion. Serial No. 626,057, Jan. 6. Class 51.
 Sport Products, Inc., Cincinnati, Ohio. Golf clubs, golf balls, golf bags, etc. Serial No. 621,688, Jan. 6. Class 22.
 Stein-Tex Fabrics Co.: See—
 Stein-Tex, Inc.
 Stein-Tex, Inc., also doing business under the name Stein-Tex Fabrics Co., New York, N. Y. Cotton broad-cloth fabrics. Serial No. 609,215, Jan. 6. Class 42.
 Stone Container Corporation, Chicago, Ill. Corrugated cartons. Serial Nos. 623,165-6, Jan. 6. Class 2.
 Stratford Furniture Corporation, Chicago, Ill. Furniture. Serial No. 622,095, Jan. 6. Class 32.
 Strayline Products Co., Dobbs Ferry, N. Y. Electric torch. Serial No. 615,662, Jan. 6. Class 21.
 Summit Sportswear Company, Boston, Mass. Ladies' and misses' skirts. Serial No. 629,265, Jan. 6. Class 39.
 Telrex, Inc., Ashbury Park, N. J. Television antennae. Serial No. 622,911, Jan. 6. Class 21.
 Tharpe, Henry C., Dublin, Ga. Agricultural implements. Serial No. 601,852, Jan. 6. Class 23.
 Thrifty Lase Products Co., Skokie, Ill. Ironing board covers and ironing board pad and cover sets. Serial No. 630,633, Jan. 6. Class 24.
 Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial Nos. 633,003-4, Jan. 6. Class 15.
 Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial Nos. 633,006-9, Jan. 6. Class 15.
 Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 633,011, Jan. 6. Class 15.
 Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial No. 633,012, Jan. 6. Class 15.
 Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 633,014, Jan. 6. Class 15.

- Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial Nos. 633,015-18, Jan. 6. Class 15.
- Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 633,010, Jan. 6. Class 15.
- Tide Water Associated Oil Company, New York, N. Y. Lubricating grease. Serial Nos. 633,020-2, Jan. 6. Class 15.
- Toni Company, The: See—
Gillette Company, The.
- Tri-Mal Mfg. Co., Inc., Boston, Mass. Ulcer therapy compositions. Serial No. 634,173, Jan. 6. Class 18.
- Union Wadding Company, Pawtucket, R. I. Doll kit. Serial No. 621,487, Jan. 6. Class 22.
- United Pharmaceutical Products, Inc., Chicago, Ill. Chlorophyll tablets. Serial No. 636,822, Jan. 6. Class 18.
- United Wallpaper, Inc., Chicago, Ill. Waterproof paper cartons and cups. Serial No. 626,012, Jan. 6. Class 2.
- Universal Dampers Limited, Shirley, Birmingham, England. Shock absorbers and vibration dampers for vehicles. Serial No. 601,400, Jan. 6. Class 19.
- Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 623,026, Jan. 6. Class 18.
- Vaj, Angelo, Piacenza, Italy. Brilliantines, hair dyes, preparations for restoring the original color of hair, etc. Serial No. 621,923, Jan. 6. Class 51.
- Vari Corporation, Minneapolis, Minn. Electrically heated soldering irons and tips. Serial No. 502,100, Jan. 6. Class 21.
- Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. Serial No. 631,830, Jan. 6. Class 6.
- Wander Company, The, Chicago, Ill. Vasodilator. Serial No. 632,764, Jan. 6. Class 18.
- Whitman, E. G., & Co., Inc., Philadelphia, Pa. Candy. Serial No. 609,463, Jan. 6. Class 40.
- Whittaker, Wm. R., Co., Ltd., Los Angeles, Calif. Control valves. Serial No. 633,132, Jan. 6. Class 13.
- Williams, C. D., Co., The: See—
Williams, Charles D.
- Williams, Charles D., doing business as The C. D. Williams Co., Bakersfield, Calif. Ointment. Serial No. 636,807, Jan. 6. Class 18.
- Wilson Manufacturing Company, Wichita Falls, Tex. and elsewhere. Oil field tools and machinery. Serial No. 579,959, Jan. 6. Class 23.
- Work Clothes & Sportswear Show, Inc., Yonkers, N. Y. Advertising the goods of others. Serial No. 611,053, Jan. 6. Class 101.

LIST OF REGISTRANTS OF TRADE-MARKS

- Abbott Laboratories, North Chicago, Ill. Feed supplement for animal feeds. 568,939, Jan. 6; Serial No. 633,026, published Oct. 21, 1952. Class 18.
- Acme-Evans Company, Inc., Indianapolis, Ind. Wheat flour. 568,743, Jan. 6; Serial No. 607,002, published Oct. 7, 1952. Class 46.
- Acorn Adhesives and Supply Company: See—
Comegys, C. Willcox.
- Adrema Limited, London, England. Addressing machines and attachments therefor. 568,703, Jan. 6; Serial No. 579,386, published Sept. 23, 1952. Class 23.
- Agfa Ansco Corporation, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Photographic films. 298,238, renewed Oct. 18, 1952. O. G. Jan. 6. Class 26.
- Aktiebolaget Baltic, Stockholm, Sweden. Linear measuring callipers for machinists. 568,933, Jan. 6; Serial No. 564,090. Class 26.
- Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Brandy. 89,213, re-renewed Dec. 3, 1952. O. G. Jan. 6. Class 49.
- Allied Drugs, Inc., Hackensack, N. J. Preparation for treatment of acidity. 568,929, Jan. 6; Serial No. 630,468, published Oct. 21, 1952. Class 18.
- Aluminum Cooking Utensil Company, The, New Kensington, Pa. Aluminum and aluminum alloy cooking hollow ware. 298,529, renewed Nov. 1, 1952. O. G. Jan. 6. Class 13.
- Aluminum Cooking Utensil Company, The, New Kensington, Pa. Aluminum and aluminum alloy cooking hollow ware. 298,543, renewed Nov. 1, 1952. O. G. Jan. 6. Class 13.
- American Air Filter Company, Inc., Louisville, Ky. Maintenance tanks. 568,712, Jan. 6; Serial No. 588,015, published Sept. 30, 1952. Class 2.
- American Cyanamid Company, New York, N. Y. Antimalarial preparation. 568,937, Jan. 6; Serial No. 632,341, published Oct. 21, 1952. Class 18.
- American Institute of Dermatology, Inc., New York, N. Y. Acne ointment for the skin. 568,959, Jan. 6; Serial No. 607,307. Class 18.
- American Molasses Company, New York, N. Y. Refined sugar. 568,811, Jan. 6; Serial No. 616,193, published Sept. 23, 1952. Class 46.
- American Paper Goods Company, The, Kensington, Conn. Paper and glassine bags, paper and glassine merchandise envelopes, etc. 568,748, Jan. 6; Serial No. 609,584, published Sept. 30, 1952. Class 2.
- American Reinforced Paper Company, Attleboro, Mass. Reinforced paper. 568,686, Jan. 6; Serial No. 533,038, published Oct. 7, 1952. Class 37.
- Amherst Fuel Company, Charleston, W. Va. Coal. 568,801, Jan. 6; Serial No. 616,888, published Oct. 7, 1952. Class 1.
- Amole, Incorporated, Tipp City, Ohio. Cream shampoo and liquid shampoo. 568,835, Jan. 6; Serial No. 620,991, published Sept. 30, 1952. Class 52.
- Anderson, Harold N., executor: See—
Lindblad, Allan P.
- Andrews, P. L., Corporation, New York, N. Y. Merchandise envelopes. 568,958, Jan. 6; Serial No. 606,252. Class 2.
- Angelica Uniform Company, St. Louis, Mo. Poplin fabric. 568,909, Jan. 6; Serial No. 627,481, published Oct. 14, 1952. Class 42.
- Armour and Company, Chicago, Ill. Cleansing preparation. 88,347, re-renewed Oct. 1, 1952. O. G. Jan. 6. Class 4.
- Athey Products Corporation: See—
Athey Truss Wheel Co.
- Athey Truss Wheel Co., by Athey Products Corporation, Chicago, Ill. Grading and material handling and loading attachments for tractors. 383,890, Dec. 24, 1940. Republished Jan. 6. Class 23.
- Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. 568,839, Jan. 6; Serial No. 621,193, published Oct. 21, 1952. Class 15.
- Atlas Brewing Company, Chicago, Ill. Beer and ale. 568,695, Jan. 6; Serial No. 376,030, published Sept. 23, 1952. Class 48.
- Austin Laboratories, Inc., Buffalo, N. Y. Bougies containing antibiotics. 568,924, Jan. 6; Serial No. 629,413, published Oct. 21, 1952. Class 18.
- Austin Reed, Limited, London, England. Collars. 88,788, re-renewed Oct. 22, 1952. O. G. Jan. 6. Class 30.
- Autotype Company Limited, The, London, England. Unsensitized photographic paper. 568,883, Jan. 6; Serial No. 626,071, published Oct. 14, 1952. Class 37.
- B & T Metals Company, The, Columbus, Ohio. Preformed metallic sink and lavatory frames. 568,734, Jan. 6; Serial No. 601,707, published Sept. 30, 1952. Class 12.
- Barry, Donald, Productions, Inc., Los Angeles, Calif. Finger rings and bracelets. 568,805, Jan. 6; Serial No. 617,853, published Sept. 23, 1952. Class 28.
- Barry, Donald, Productions, Inc., Los Angeles, Calif. Houses of pencils. 568,806, Jan. 6; Serial No. 617,857, published Oct. 7, 1952. Class 37.
- Barwick, E. T., doing business as E. T. Barwick Mills, Chamblee, Ga. Cotton carpeting. 568,901-2, Jan. 6; Serial Nos. 626,777-8, published Oct. 14, 1952. Class 42.
- Barwick, E. T. Mills: See—
Barwick, E. T.
- Baxter, Don, Inc., Glendale, Calif. Solutions for parenteral use. 568,829, Jan. 6; Serial No. 620,296, published Oct. 21, 1952. Class 18.
- Beam, James B., Distilling Co., Chicago, Ill. Whiskey. 568,710, Jan. 6; Serial No. 399,147, published Sept. 23, 1952. Class 49.
- Beam, James B., Distilling Co., Chicago, Ill. Vodka. 568,720, Jan. 6; Serial No. 596,148, published Sept. 23, 1952. Class 49.
- Beam, James B., Distilling Co., Chicago, Ill. Brandy. 568,721, Jan. 6; Serial No. 596,153, published Sept. 23, 1952. Class 49.
- Bebon Corporation, assignee: See—
United Hosiery Mills Corporation.
- Beck, Koller & Company, Inc., to Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins. 301,493, renewed Mar. 7, 1953. O. G. Jan. 6. Class 8.
- Beck, Koller & Company, Inc., to Reichhold Chemicals, Inc., Detroit, Mich. Dry, paste, and ready mixed paints, etc. 301,765, renewed Mar. 14, 1953. O. G. Jan. 6. Class 16.
- Beck, Koller & Company, Inc., to Reichhold Chemicals, Inc., Detroit, Mich. Soluble ester gums and soluble plastic resins, employed as painters' materials. 301,770, renewed Mar. 14, 1953. O. G. Jan. 6. Class 16.
- Beck, Koller & Company, Inc., to Reichhold Chemicals, Inc., Detroit, Mich. Soluble plastic resins used as painters' materials. 301,771, renewed Mar. 14, 1953. O. G. Jan. 6. Class 16.
- Becker, Henry, & Son, Inc., Roseland, N. J. Milk, cream, butter, etc. 301,828, renewed Mar. 14, 1953. O. G. Jan. 6. Class 46.
- Behlen, H., & Bro., Inc., New York, N. Y. Dry cleaner preparation. 300,730, renewed Feb. 7, 1953. O. G. Jan. 6. Class 52.
- Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fluorescent lighting reflectors. 568,680, Jan. 6; Serial No. 523,734, published Feb. 19, 1952. Class 21.

- Best Seal Products, assignor to W. F. Brooks, Hollywood, Calif. Automobile polish. 568,962, Jan. 6; Serial No. 613,378. Class 4.
- Binney & Smith Company, New York, N. Y. Chalk crayon. 568,836, Jan. 6; Serial No. 623,870, published Oct. 7, 1952. Class 37.
- Bishop, J., & Company Platinum Works, Malvern, Pa. Hypodermic needles. 568,909, Jan. 6; Serial No. 621,195. Class 44.
- Blair, L. W., doing business under the name of Proof of Parentage Association, Pocahontas, Iowa. Registering calves, colts, kids, etc. 568,948, Jan. 6; Serial No. 609,118, published Oct. 14, 1952. Class 100.
- Bloc-Products Co.: See—
Gantner, Emil.
- Blum, Chase, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Cincinnati, Ohio. Liquid rubber cement. 568,775, Jan. 6; Serial No. 613,758, published Oct. 14, 1952. Class 5.
- Bond Diamond Company: See—
Schuman & Donohi, Inc.
- Boone County Coal Corporation, Sharples, W. Va., and Philadelphia, Pa. to Boone County Coal Corporation, Sharples, W. Va. Bituminous coal. 300,782, renewed Feb. 7, 1953. O. G. Jan. 6. Class 1.
- Boots Pure Drug Company Limited, Nottingham, England. Laxative. 568,970, Jan. 6; Serial No. 622,579. Class 18.
- Borden Company, The: See—
Borden's Milk Products Company, Inc.
- Borden Quality Inc., assignee: See—
Borden's Milk Products Company, Inc.
- Borden's Milk Products Company, Inc., assignor to Borden Quality Inc., to The Borden Company, New York, N. Y. Creamery products. 300,943, renewed Feb. 14, 1953. O. G. Jan. 6. Class 46.
- Bourjois, Inc., New York, N. Y. Perfume and eau de cologne. 568,881, Jan. 6; Serial No. 626,020, published Sept. 30, 1952. Class 51.
- Brady, Wilson M., Catonsville, Md. Jeweled clasp. 568,742, Jan. 6; Serial No. 605,577, published Sept. 30, 1952. Class 28.
- Branson, John C. S., Birmingham, England, assignor to Fonadek (Branson) Limited, Harborne, Birmingham, England. Loud-speaker apparatus. 568,813, Jan. 6; Serial No. 618,441, published Sept. 30, 1952. Class 21.
- Breon, George A., & Company, New York, N. Y. Sedative and hypnotic preparation. 568,911, Jan. 6; Serial No. 627,552, published Oct. 21, 1952. Class 18.
- Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Bluing. 301,409, renewed Feb. 28, 1953. O. G. Jan. 6. Class 8.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Penicillin. 568,896, Jan. 6; Serial No. 626,603, published Sept. 30, 1952. Class 18.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotic derivative. 568,930, Jan. 6; Serial No. 630,472, published Oct. 14, 1952. Class 18.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotic derivative. 568,931, Jan. 6; Serial No. 630,474, published Oct. 21, 1952. Class 18.
- Brooks, William F., assignee: See—
Best Seal Products.
- Bullen Chemical Company, The: See—
Bullen, J. Warren.
- Bullen Chemical Company, Inc., The: See—
Bullen, J. Warren.
- Bullen, J. Warren, doing business as The Bullen Chemical Company, to The Bullen Chemical Company, Inc., Folcroft, Pa. Disinfectant and insecticide. 300,192, renewed Jan. 10, 1953. O. G. Jan. 6. Class 6.
- Bulova Watch Company, Inc., New York, N. Y. Bracelet watches and their attached bracelets. 299,819, renewed Dec. 27, 1952. O. G. Jan. 6. Class 27.
- Calso Water Co.: See—
Pacific Brewing and Malting Co.
- Cameo Curtains Inc., New York, N. Y. Window draperies and curtains. 568,912, Jan. 6; Serial No. 627,623, published Oct. 14, 1952. Class 42.
- Camp Thunderbird: See—
Camping, Inc.
- Camping, Inc., doing business as Camp Thunderbird, St. Louis, Mo. Services in the nature of escorted camping trips. 568,949, Jan. 6; Serial No. 613,116, published Oct. 14, 1952. Class 100.
- Casco Products Corporation, Bridgeport, Conn. Hand-held feed-through rheostat electric switches. 568,767, Jan. 6; Serial No. 611,471, published Sept. 30, 1952. Class 21.
- Central Mine Equipment Company, St. Louis, Mo. Drill bits, augers, drill heads, etc. 568,727, Jan. 6; Serial No. 699,893, published Sept. 16, 1952. Class 23.
- Central Ohio Supply Co., The, Columbus, Ohio. Confectionery topping material and imitation flavoring. 568,693, Jan. 6; Serial No. 573,707, published Sept. 23, 1952. Class 46.
- Chair-Loc Company, The: See—
Lindenthal, Walter.
- Chapman, S. W.: See—
Terry, Walter T., Jr.
- Chase Industrial Refrigerator Equipment & Engineering Co.: See—
Blum, Chase.
- Chemical Linings, Inc., Watertown, N. Y. Acid resistant cement. 568,871, Jan. 6; Serial No. 625,581, published Sept. 23, 1952. Class 12.
- Chemical Research Products, Inc., Seattle, Wash. Activators and conditioners for septic tanks, etc. 568,818, Jan. 6; Serial No. 619,073, published Oct. 14, 1952. Class 6.
- Chicopee Mills, Inc.: See—
Johnson & Johnson.
- Chicopee Mills, Inc., New York, N. Y. Fabric in the piece. 568,831, Jan. 6; Serial No. 620,801, published Oct. 14, 1952. Class 42.
- Chris Cross Products: See—
Christiansen, George H.
- Christiansen, George H., doing business as Chris Cross Products, Newark, N. J. Cocktail sauce and tartar sauce. 568,910, Jan. 6; Serial No. 627,495, published Sept. 30, 1952. Class 46.
- Ciba Pharmaceutical Products, Inc., Summit, N. J. Ganglionic blocking agent, and solutions for parenteral injection. 568,942, Jan. 6; Serial No. 633,447, published Oct. 21, 1952. Class 18.
- Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Pharmaceutical preparation. 568,935, Jan. 6; Serial No. 631,199, published Oct. 21, 1952. Class 18.
- Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Pharmaceutical preparation. 568,936, Jan. 6; Serial No. 631,201, published Oct. 21, 1952. Class 18.
- Claroat Mfg. Co., Inc., Dover, N. H. Variable resistors. 568,849, Jan. 6; Serial No. 622,773, published Sept. 23, 1952. Class 21.
- Clayton, Violet, doing business as The Figaro Co., Burbank, Calif. Hair conditioner, and hair wave set. 568,840, Jan. 6; Serial No. 621,388, published Sept. 30, 1952. Class 51.
- Clayton & Lambert Manufacturing Company, Louisville, Ky. Metal silos and metal grain bins. 568,792, Jan. 6; Serial No. 615,691, published Sept. 10, 1952. Class 2.
- Clayton & Lambert Manufacturing Company, Louisville, Ky. Electrically heated water heaters. 568,890-1, Jan. 6; Serial Nos. 626,442-3, published Sept. 23, 1952. Class 21.
- Comegys, C. Willcox, doing business under the fictitious name of Acorn Adhesives and Supply Company, Los Angeles, Calif. Liquid adhesives. 568,971, Jan. 6; Serial No. 626,197. Class 5.
- Consolidated Grocers Corporation, Chicago, Ill. Canned fruits, and canned vegetables. 568,736, Jan. 6; Serial No. 600,763, published Oct. 7, 1952. Class 46.
- Consolidated Royal Chemical Corporation: See—
Hexlin, Inc.
- Courtaulds Limited, London, England. Piece goods. 299,343, renewed Nov. 29, 1952. O. G. Jan. 6. Class 42.
- Cowden Manufacturing Company, Kansas City, Mo. Overalls, pants, one-piece work suits, play suits. 272,300, July 8, 1930. Republished Jan. 6. Class 39.
- Crown Fabrica Corporation, New York, N. Y. Textile fabrics in the piece. 568,905, Jan. 6; Serial No. 626,863, published Oct. 14, 1952. Class 42.
- Curtis Companies Incorporated, Clinton, Iowa. Sashes, doors, blinds of the shutter type, etc. 568,685, Jan. 6; Serial No. 543,796, published Sept. 30, 1952. Class 12.
- Cutter Products, Oakland, Calif. Liquid cleanser. 568,701, Jan. 6; Serial No. 578,915, published Oct. 7, 1952. Class 52.
- Daggett & Ramsdell, New York, N. Y., to Daggett & Ramsdell, Inc., Newark, N. J. Face powder, preparations for treating the skin, and toilet, cleansing, vanishing, and cold creams. 297,827, renewed Oct. 4, 1952. O. G. Jan. 6. Class 51.
- Daggett & Ramsdell, Inc.: See—
Daggett & Ramsdell.
- Dairyette, Inc., Springfield, Ill. Prefabricated buildings and parts thereof. 568,789, Jan. 6; Serial No. 615,211, published Sept. 30, 1952. Class 12.
- Davis Plywood Corporation, The, Cleveland, Ohio. Plywood. 568,723, Jan. 6; Serial No. 597,689, published Sept. 30, 1952. Class 12.
- Daystrom, Incorporated, Elizabeth, N. J. Electrical recording and reproducing apparatus. 568,892, Jan. 6; Serial No. 626,445, published Sept. 30, 1952. Class 21.
- Dayton Rubber Company, The: See—
Dayton Rubber Manufacturing Company, The.
- Dayton Rubber Company, The, Dayton, Ohio. Vehicle storage batteries. 568,900, Jan. 6; Serial No. 626,659, published Sept. 30, 1952. Class 21.
- Dayton Rubber Manufacturing Company, The, to The Dayton Rubber Company, Dayton, Ohio. Pulleys. 297,677, renewed Sept. 27, 1952. O. G. Jan. 6. Class 23.
- Delaware Punch Company of America, The, San Antonio, Tex. Non-alcoholic maltless beverages. 568,722, Jan. 6; Serial No. 597,134, published Sept. 23, 1952. Class 45.
- Delta Manufacturing Company, The, Milwaukee, Wis., by Rockwell Manufacturing Company, Pittsburgh, Pa. Electric motors. 398,952, Dec. 8, 1942. Republished Jan. 6. Class 21.
- Del Valle Distributing Co., by Wm. H. Loviner, San Francisco, Calif. Wines. 321,157, Jan. 22, 1935. Republished Jan. 6. Class 47.
- Deri-del Inc., assignee: See—
Spielmann, Kathryn C.

Dick, A. B., Company, Chicago, to A. B. Dick Company, Niles, Ill. Sheet feeding and impression rollers for rotary duplicating and like machines. 298,738, renewed Nov. 1, 1952. O. G. Jan. 6. Class 23.

Diston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw handles, inserted saw teeth, etc. 58,831, Dec. 31, 1912. Republished Jan. 6. Class 23.

Diston, Henry & Sons, Incorporated, Philadelphia, Pa. Steel sheets, steel bars and steel forgings. 90,303, renewed Feb. 18, 1953. O. G. Jan. 6. Class 14.

Ditto, Incorporated, Chicago, Ill. Partially printed business forms. 568,705, Jan. 6; Serial No. 615,927, published Oct. 7, 1952. Class 37.

Dixie Cup Company, Easton, Pa. Paper cups and paper cartons. 568,770, Jan. 6; Serial No. 612,368, published Sept. 30, 1952. Class 2.

Dome Chemicals, Inc., New York, N. Y. Vitamin pills and medicinal preparations. 568,798, Jan. 6; Serial No. 610,593, published Sept. 30, 1952. Class 18.

Donaco Plastics Corporation, Chicago, Ill. Stocking dryer rack. 568,699, Jan. 6; Serial No. 578,494, published Oct. 21, 1952. Class 24.

Donovan Enterprises, Saugatuck, Conn. Diaries. 568,845, Jan. 6; Serial No. 622,148, published Oct. 7, 1952. Class 37.

Dover Engineering Works Limited, The, Dover, Kent, England. Manhole covers, manhole frames, etc. 568,733, Jan. 6; Serial No. 601,392, published Sept. 30, 1952. Class 12.

Downey, Joseph B., doing business under the name Peppy Bits, Boston, Mass. Candy. 568,777, Jan. 6; Serial No. 613,907, published Sept. 16, 1952. Class 46.

Draw, E. F., & Co., Inc., New York, N. Y. Detergents. 568,735, Jan. 6; Serial No. 601,717, published Oct. 14, 1952. Class 32.

Drimmelen, Paul V., doing business as Franklin Optical Company, Buffalo, N. Y. Eyeglass lenses. 568,952, Jan. 6; Serial No. 561,978. Class 26.

Drug Specialties, Incorporated, Winston-Salem, N. C. Medical preparation. 568,940, Jan. 6; Serial No. 633,147, published Oct. 21, 1952. Class 18.

Dry-Freeze Corporation, Chicago, Ill. Instant coffee. 568,861, Jan. 6; Serial No. 624,779, published Sept. 23, 1952. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Adhesives. 568,836, Jan. 6; Serial No. 621,057, published Oct. 14, 1952. Class 5.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Artificial silk thread and yarn. 298,573, renewed Nov. 1, 1952. O. G. Jan. 6. Class 43.

Eisenberg, Joseph W., doing business as The Noxall Pharmaceutical Co., New York, N. Y. Cream preparation for the treatment of athlete's foot and other fungus infections, foot powder, etc. 561,345, July 15, 1952. Corrected. O. G. Jan. 6. Class 18.

Electronic Secretary Industries, Inc., Milwaukee, Wis. Telephone answering apparatus and electronic sound recording and reproducing apparatus. 568,705, Jan. 6; Serial No. 582,129, published Jan. 22, 1952. Class 21.

Ellmore Silver Co., Inc., The, Meriden, Conn. Trays or coasters made partly of sterling silver and partly of china. 568,732, Jan. 6; Serial No. 601,351, published Oct. 7, 1952. Class 28.

Elenco Engineering Company, Hoboken, N. J. Graphite base pipe joint compound, refractory coatings, and high temperature cements. 568,875, Jan. 6; Serial No. 625,608, published Sept. 23, 1952. Class 12.

Empire Box Corporation, Garfield, N. J. Folding cardboard cartons and boxes. 568,815, Jan. 6; Serial No. 618,696, published Sept. 9, 1952. Class 2.

Enterprise Aluminum Company, The, Massillon, Ohio. Metal canisters. 298,972, renewed Nov. 15, 1952. O. G. Jan. 6. Class 2.

Enterprise Aluminum Company, The, Massillon, Ohio. Percolators. 300,413, renewed Jan. 17, 1953. O. G. Jan. 6. Class 13.

Erving Paper Mills, Erving, Mass. Paper napkins. 568,853, Jan. 6; Serial No. 623,187, published Oct. 7, 1952. Class 37.

Erving Paper Mills, Erving, Mass. Paper napkins, toilet paper and paper towels. 568,887, Jan. 6; Serial No. 620,318, published Oct. 7, 1952. Class 37.

Estate Stove Company, The, Hamilton, Ohio, to Noma Electric Corporation, New York, N. Y. Heating apparatus or appliances. 298,118, renewed Oct. 11, 1952. O. G. Jan. 6. Class 34.

Ethicon Suture Laboratories Incorporated: See—Johnson Suture Corporation.

Fair Tex Mills, Inc., Catasauqua, Pa., and New York, N. Y. Knitted textile fabrics. 568,897, Jan. 6; Serial No. 620,013, published Oct. 14, 1952. Class 42.

Fake, Warren H., Ephrata, Pa. Hosiery and underwear. 298,267, renewed Oct. 18, 1952. O. G. Jan. 6. Class 39.

Falbro Laboratories Inc.: See—Ferro Research Laboratories, Inc.

Fandler, Walter A., doing business as sole proprietor under the name and style of Fuller Pharmaceutical Company, Minneapolis, Minn. Disposable cleansing cloths moistened with witch-hazel solution. 568,821, Jan. 6; Serial No. 610,460, published Oct. 14, 1952. Class 51.

Farwerke Hoechst, vormals Meister Lucius & Bruning, Frankfurt (Main) Hoechst, Germany. Pharmaceutical chemicals and specialties of all kinds. 568,786, Jan. 6; Serial No. 614,913, published Sept. 23, 1952. Class 18.

Federated Department Stores, Inc., Cincinnati, Ohio. Bracelets, earrings, necklaces, etc. 568,862, Jan. 6; Serial No. 624,822, published Sept. 30, 1952. Class 28.

Ferro Research Laboratories, Inc., Miami, Fla., and New York, N. Y., to Falbro Laboratories Inc., Miami, Fla. Therapeutic agent for the control of fermentation in the human system. 298,198, renewed Oct. 18, 1952. O. G. Jan. 6. Class 18.

Fernstrom Paper Mills, Inc., Pomona, Calif. Paper napkins, paper fruit wrappers, waxed paper, etc. 568,731, Jan. 6; Serial No. 601,320, published Oct. 7, 1952. Class 37.

Fiat Metal Manufacturing Company, Franklin Park, Ill. Shower doors. 568,768, Jan. 6; Serial No. 611,509, published Sept. 30, 1952. Class 12.

Figaro Co., The: See—Clayson, Violet.

Fitts, Frank, Wallingford, Pa. Liquid sun-filtering skin coating. 568,780, Jan. 6; Serial No. 614,246, published Sept. 30, 1952. Class 51.

Flagstaff Foods, Perth Amboy, N. J. Wines. 568,758, Jan. 6; Serial No. 610,547, published Sept. 23, 1952. Class 47.

Fleetwood Coffee Co., Chattanooga, Tenn. Coffee. 568,921, Jan. 6; Serial No. 628,084, published Oct. 7, 1952. Class 46.

Flintkote Company, The, New York, N. Y. Roofing shingles. 568,888, Jan. 6; Serial No. 626,319, published Sept. 30, 1952. Class 12.

Folmer Graflex Corporation, by Graflex, Inc., Rochester, N. Y. Photographic film holders. 312,604, May 1, 1934. Republished Jan. 6. Class 26.

Fonadek (Branson) Limited, assignee: See—Branson, John C. S.

Foremost Dairies, Inc.: See—Foremost Dairy Products Incorporated.

Foremost Dairy Products Incorporated, to Foremost Dairies, Inc., Jacksonville, Fla. Ice cream. 301,350, renewed Feb. 28, 1953. O. G. Jan. 6. Class 46.

14 Plus Safety Razor Co.: See—Hart, Frank A.

Franklin Optical Company: See—Drimmelen, Paul V.

Frann-Stef Manufacturing Co., New York, N. Y. Handbags. 568,863-4, Jan. 6; Serial Nos. 625,009-10, published Oct. 7, 1952. Class 3.

Frozen Confections, Inc., by Joe Lowe Corporation, New York, N. Y. Frozen confections. 299,479, Dec. 6, 1932. Republished Jan. 6. Class 46.

Fuld Brothers, Inc., Baltimore, Md. Detergents and soaps. 568,739, Jan. 6; Serial No. 604,090, published Oct. 14, 1952. Class 52.

Fuller Pharmaceutical Company: See—Fandler, Walter A.

G & K Corporation, Minneapolis, Minn. Laundry services. 568,975, Jan. 6; Serial No. 612,999. Class 103.

Galen Laboratories, Pittsburgh, Pa. Medicated dandruff remover, medicated skin cream and lotion, etc. 568,885, Jan. 6; Serial No. 626,238, published Oct. 21, 1952. Class 18.

Galpen, William D., doing business as The Zik Products Company, New York, N. Y. Hair dressing. 568,961, Jan. 6; Serial No. 612,602. Class 51.

Gantner, Emil, doing business as Bloo-Products Co., Zurich, Switzerland. Products to be applied to the face before and after shaving. 568,785, Jan. 6; Serial No. 614,875, published Sept. 30, 1952. Class 51.

Gard, Ab W., Stockholm, Sweden. Cheese. 568,717, Jan. 6; Serial No. 595,524, published Sept. 30, 1952. Class 46.

Garner, Abel E.: See—Tailor Made Lawn, Inc.

General Aniline & Film Corporation: See—Agfa Anaco Corporation.

General Box Company, Chicago, Ill. Custom fabrication of containers. 568,943, Jan. 6; Serial No. 602,685, published Oct. 14, 1952. Class 106.

General Clay Products Company, The, Columbus, Ohio. Glazed and unglazed tile. 568,697, Jan. 6; Serial No. 576,260, published Sept. 30, 1952. Class 12.

General Mills, Inc.: See—Larowe Milling Co., The.

General Time Corporation, New York, N. Y., and La Salle, Ill. Clocks and watches. 568,816, Jan. 6; Serial No. 618,789, published May 6, 1952. Class 27.

Gerson-Stewart Corporation Company, The, Cleveland, Ohio. Disinfectant. 568,753, Jan. 6; Serial No. 610,014, published Oct. 14, 1952. Class 6.

Glendronach Distillery Company Limited, The, Glendronach, Scotland. Whisky. 301,735, renewed Mar. 14, 1953. O. G. Jan. 6. Class 49.

Glenforres-Glenlivet Distillery Co. Limited: See—Glenforres Glenlivet Distillery Co. Limited.

Glenforres Glenlivet Distillery Co. Limited, Burnside and Leith, Scotland, and London, England, to Glenforres-Glenlivet Distillery Co. Limited, Leith, Scotland, and London, England. Scotch whisky. 292,524, renewed Mar. 15, 1952. O. G. Jan. 6. Class 49.

Glebe Co., The, Brooklyn, N. Y. Fish hook holder and protector. 568,870, Jan. 6; Serial No. 625,559, published Oct. 14, 1952. Class 22.

Gosnell, Charles A. and C. P., London, by John Gosnell & Company, Limited, Lewes, Sussex, England. Perfumery and perfumed preparations. 12,420, July 21, 1885. Republished Jan. 6. Class 51.

Gosnell, Charles P.: See—Gosnell, Charles A. and C. P.

Gosnell, John, & Company Limited: See—Gosnell, Charles A. and C. P.

Gosnell, John, & Company Limited, Lewes, Sussex, England. Perfumed and other kinds of soap and soap powder. 107,783, Dec. 28, 1915. Republished Jan. 6. Class 52.

Grafax, Inc.: See—Folmer Graflex Corporation.

Gray Company, Inc., Minneapolis, Minn. Tire-buffing machine. 568,747, Jan. 6; Serial No. 609,550, published Sept. 16, 1952. Class 23.

Grierson, Oldham & Co. Ltd., London, England. Scotch whisky. 568,778, Jan. 6; Serial No. 613,987, published Sept. 23, 1952. Class 49.

Haas Miller Corporation, Philadelphia, Pa. Metal detergent. 568,872, Jan. 6; Serial No. 625,595, published Sept. 30, 1952. Class 52.

Haas Miller Corporation, Philadelphia, Pa. Cleaners and hand cleansers. 568,873, Jan. 6; Serial No. 625,598, published Sept. 30, 1952. Class 52.

Hackl, Alphonse J., Washington, D. C. Mailing envelopes, writing paper. 568,867, Jan. 6; Serial No. 625,269, published Oct. 7, 1952. Class 37.

Hanson, H. P.: See—Hanson, H. P. & Company.

Hanson, H. P. & Company, to H. P. Hanson, Chicago, Ill. Apple candy confection. 297,904, renewed Oct. 4, 1952. O. G. Jan. 6. Class 46.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Roller skates. 297,691, renewed Sept. 27, 1952. O. G. Jan. 6. Class 22.

Hart, Frank A., doing business as 14 Plus Safety Razor Co., New York, N. Y. Razors and razor blades. 568,951, Jan. 6; Serial No. 537,453. Class 23.

Hauseman, E. F., Company, The, Cleveland, Ohio. Non-metallic composition board panel plates, movable partitions, etc. 568,793, Jan. 6; Serial No. 615,774, published Sept. 30, 1952. Class 12.

Helde, Henry, Incorporated, New York, N. Y. Candles. 568,774, Jan. 6; Serial No. 613,372, published Sept. 23, 1952. Class 46.

Helmer Manufacturing Company, Hudson, Iowa. Manifolds for internal combustion engines, overdrive transmissions, etc. 568,709, Jan. 6; Serial No. 585,087, published Sept. 16, 1952. Class 23.

Heller, William, Inc., New York, N. Y. Rayon piece goods. 568,877, Jan. 6; Serial No. 625,801, published Oct. 14, 1952. Class 42.

Herder, Friedr. Abr. Sohn, Solingen, Germany. Table knives and carvers; etc. 300,084, renewed Jan. 3, 1953. O. G. Jan. 6. Class 23.

Herz, Alexander Co., Inc., New York, N. Y. Merchandise envelopes. 568,688, Jan. 6; Serial No. 562,899, published Sept. 16, 1952. Class 2.

Heublein, G. F. & Bro., Inc., Hartford, Conn. Whiskey. 568,741, Jan. 6; Serial No. 604,911, published Sept. 23, 1952. Class 49.

Hexin, Inc., to Consolidated Royal Chemical Corporation, Chicago, Ill. Tablets for the relief of pain. 299,898, renewed Dec. 27, 1952. O. G. Jan. 6. Class 18.

Heyden Chemical Corporation, to Heyden Chemical Corporation, New York, N. Y. Medicinal preparation. 295,134, renewed June 21, 1952. O. G. Jan. 6. Class 18.

Hills Brothers Company, The: See—Hills, William, Jr.

Hills, William, Jr., to The Hills Brothers Company, New York, N. Y. Dates. 89,655, re-renewed Dec. 31, 1952. O. G. Jan. 6. Class 46.

Hollander, A. & Son, Inc., Newark, N. J. Fur skins. 297,657, renewed Sept. 27, 1952. O. G. Jan. 6. Class 1.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Electric-motor driven vacuum cleaner, blower and sprayer, etc. 568,736, Jan. 6; Serial No. 603,792, published Aug. 12, 1952. Class 21.

Imperial Lighting Products Company, Inc., Greensburg, Pa. Electric lighting fixtures. 568,752, Jan. 6; Serial No. 609,925, published Sept. 23, 1952. Class 21.

Independent Lock Company, Fitchburg, Mass. Padlocks and keys therefor. 568,886, Jan. 6; Serial No. 626,293, published Oct. 14, 1952. Class 25.

Indian Summer, Inc., Evansville, Ind. Sweet apple cider. 568,837, Jan. 6; Serial No. 621,064, published Sept. 23, 1952. Class 45.

International Silver Company, The, Meriden, Conn. Sterling silver table ware. 568,857, Jan. 6; Serial No. 623,962, published Sept. 30, 1952. Class 28.

Ironaldis Company, The, Columbus, Ohio. Greases, plumbago mixtures, and other thick substances of a lubricating nature. 39,047, Oct. 14, 1902. Republished Jan. 6. Class 13.

Ironaldis Company, The, Columbus, Ohio. Lubricating oils, greases, plumbago mixtures, etc. 39,153, Oct. 28, 1902. Republished Jan. 6. Class 13.

J. & J. Grant, Glen Grant, Limited, Rothes, Scotland. Scotch whisky. 568,702, Jan. 6; Serial No. 579,099, published Sept. 23, 1952. Class 49.

Jacobs, David, Lincoln, Nebr. Costume jewelry. 568,868, Jan. 6; Serial No. 625,313, published Sept. 30, 1952. Class 28.

Jacobs, John, Co., Canon City, Colo., by J. M. Jacobs, Phoenix, Ariz. Fresh deciduous fruits and vegetables. 291,712, Feb. 23, 1932. Republished Jan. 6. Class 46.

Jacobs, John M.: See—Jacobs, John, Co.

Jeral Products, Inc., Chicago, Ill. Dietary supplement. 568,938, Jan. 6; Serial No. 632,985, published Oct. 21, 1952. Class 18.

Johnson, C. S., Company, The, Champaign, Ill. Batching plant for concrete constituents. 568,788, Jan. 6; Serial No. 615,119, published Sept. 16, 1952. Class 23.

Johnson & Johnson, New Brunswick, N. J. Soaps. 88,088, re-renewed Aug. 27, 1952. O. G. Jan. 6. Class 52.

Johnson & Johnson, New Brunswick, to Ortho Pharmaceutical Corporation, Raritan, N. J. Antiseptic preparation. 298,222, renewed Oct. 18, 1952. O. G. Jan. 6. Class 18.

Johnson & Johnson, New Brunswick, N. J., to Chicopee Mills, Inc., New York, N. Y. Diapers. 298,562, renewed Nov. 1, 1952. O. G. Jan. 6. Class 39.

Johnson Suture Corporation, Chicago, Ill., to Ethicon Suture Laboratories Incorporated, New Brunswick, N. J. Gut strings for racks. 295,617, renewed July 5, 1952. O. G. Jan. 6. Class 22.

Juva-Tex, Inc., Chicago, Ill. Cellular rubber cosmetic applicators in the nature of powder puffs. 568,804, Jan. 6; Serial No. 617,605, published Oct. 14, 1952. Class 29.

Kenedy Building Products: See—Kenedy, Frank J.

Kenedy, Frank J., doing business under the name and style of Kenedy Building Products, Plymouth, Mich. Building blocks. 568,879, Jan. 6; Serial No. 625,984, published Sept. 30, 1952. Class 12.

Kentucky Wagon Manufacturing Co., by R. C. Tway Company, Inc., Louisville, Ky. Gasoline-trucks. 117,447, July 10, 1917. Republished Jan. 6. Class 19.

Keyes Fibre Company: See—Keyes Fibre Company, Inc.

Keyes Fibre Company, Inc., Waterville, to Keyes Fibre Company, Portland, Maine. Protective jackets and filters for shipping, storing, etc. 300,661, renewed Jan. 31, 1953. O. G. Jan. 6. Class 2.

Killian Manufacturing Co., The, Akron, Ohio, to Walgreen Co., Chicago, Ill. Prophylactic rubber articles. 299,500-1, renewed Dec. 6, 1952. O. G. Jan. 6. Class 44.

Kimble Glass Company, Vineland, N. J., by Kimble Glass Company, Toledo, Ohio. Chemical, scientific and laboratory glassware. 296,681, Aug. 16, 1932. Republished Jan. 6. Class 26.

King Leathers Incorporated, Indiana, Pa. Purses, wallets, and pocketbooks. 568,794, Jan. 6; Serial No. 615,838, published Oct. 7, 1952. Class 3.

Kingston Pencil Corporation, Chattanooga, Tenn. Non-mechanical pencils. 568,847, Jan. 6; Serial No. 622,546, published Oct. 7, 1952. Class 37.

Kipp, Samuel M., Pasadena, Calif. Hydropneumatic accumulators and parts thereof, and pneumatic tools. 444,746, Jan. 6; Serial No. 520,711, published Sept. 30, 1952. Class 23.

Kotake Company, Limited, Honolulu, Hawaii. Incense. 568,755, Jan. 6; Serial No. 610,277, published Oct. 14, 1952. Class 6.

Krajan, Aram A., doing business as Ora-Magic Co., Los Angeles, Calif. Antiseptic pharmaceutical preparation. 568,750, Jan. 6; Serial No. 609,654, published Sept. 23, 1952. Class 18.

Lafayette Pharmacal Inc., La Fayette, Ind. Diagnostic opaquing preparation. 568,824, Jan. 6; Serial No. 619,839, published Sept. 23, 1952. Class 18.

La Poff, Harry S., Paterson, N. J. Fresh parsley. 568,906, Jan. 6; Serial No. 620,890, published Oct. 7, 1952. Class 46.

Larowe Milling Co., The, Cohocton, N. Y., to General Mills, Inc., Minneapolis, Minn. Mixed feed. 90,351, re-renewed Feb. 18, 1953. O. G. Jan. 6. Class 46.

Leaf Brands, Inc., Chicago, Ill. Candy and cookies. 568,914, Jan. 6; Serial No. 627,690, published Oct. 7, 1952. Class 46.

Leavitt, John W., Company, Boston, Mass. Peanut butter, salted nut meats, and candy. 568,751, Jan. 6; Serial No. 609,688, published Oct. 7, 1952. Class 46.

Lee-Wald Garment Company: See—Plotzky, Louis.

Lejun Freres, Inc., Philadelphia, Pa. Skin cream. 568,880, Jan. 6; Serial No. 625,987, published Sept. 30, 1952. Class 51.

Leo Products: See—Sautter, Karl H.

Lewis, Lester, Associates, New York, N. Y. Entertainment services. 568,973, Jan. 6; Serial No. 604,440. Class 107.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. 298,761-2, renewed Nov. 8, 1952. O. G. Jan. 6. Class 14.

Lindblad, Allan P., deceased, doing business as Sudbury Brass Goods Company, Boston; M. Lindblad, Winchester, and H. N. Anderson, Arlington, Mass., executors. Altar sets. 568,746, Jan. 6; Serial No. 607,389, published Oct. 7, 1952. Class 50.

Lindblad, Madeleine, executrix: See—
Lindblad, Allan P.
Lindenthal, Walter, doing business as The Chair-Loc Company, Lakehurst, N. J. Liquid brush-on dye. 568,817, Jan. 6; Serial No. 619,026, published Oct. 14, 1952. Class 6.
Lipscomb Grain & Seed Co.: See—
Lipscomb Grain & Seed Co. Inc.
Lipscomb Grain & Seed Co. Inc., doing business under the style name of Lipscomb Grain & Seed Co., Springfield, Mo. Hog feeds, dairy feed, poultry feed, etc. 568,781, Jan. 6; Serial No. 614,257, published Oct. 7, 1952. Class 46.
Lord, Phillips H., Inc., New York, N. Y. Entertainment through the medium of an integrated series of dramatic radio programs broadcast. 568,944-6, Jan. 6; Serial Nos. 608,115-17, published Oct. 14, 1952. Class 107.
Luvner, Wm. H.: See—
Dei Valle Distributing Co.
Lowe, Joe, Corporation: See—
Frozen Confections, Inc.
Lowe, Joe, Corporation, New York, N. Y. Vegetable pure food ice and sherbet stabilizer. 290,169, Nov. 22, 1932. Republished Jan. 6. Class 46.
Lyon, A. & Sons, Beverly Hills, Calif. Brandy. 568,848, Jan. 6; Serial No. 622,400, published Sept. 23, 1952. Class 40.
M F Trading Company: See—
Mel Fung Company.
M and M Wood Working Company, Portland, Oreg. Packaged plywood. 568,700, Jan. 6; Serial No. 583,046, published Sept. 30, 1952. Class 12.
MacGregor, May, New York, N. Y., assignor to Rexall Drug Company, Los Angeles, Calif. All purpose deep cream, astringent lotion, compressed face powder, etc. 568,740, Jan. 6; Serial No. 609,597, published Sept. 30, 1952. Class 31.
Macvaugh, Gilbert S., Chevy Chase, Md. Educational board game. 568,854, Jan. 6; Serial No. 623,281, published Oct. 14, 1952. Class 22.
Magnolia Pharmaceuticals, Inc., Jackson, Miss. Dietary supplement. 568,926, Jan. 6; Serial No. 620,805, published Oct. 14, 1952. Class 18.
Mangelsdorf, Ed. F. and Bro., Inc., St. Louis, Mo. Raw popcorn. 568,955, Jan. 6; Serial No. 581,338, Class 46.
Mara Laboratories, Inc., The, Harrison, N. J. Medicinal preparation. 568,832, Jan. 6; Serial No. 620,907, published Oct. 21, 1952. Class 18.
Marcelle Cosmetics, Inc., Chicago, Ill. Face powder with sulfur, talcum powder with sulfur, and medicated face cream. 568,779, Jan. 6; Serial No. 614,989, published Oct. 21, 1952. Class 31.
Markwell Manufacturing Company, Inc., New York, N. Y. Staples. 568,957, Jan. 6; Serial No. 598,536. Class 15.
Marquita Perez, S. A., Madrid, Spain. Dolls, doll clothes, doll accessories, etc. 568,704, Jan. 6; Serial No. 579,647, published Oct. 21, 1952. Class 22.
Marmion-Herrington Company, Inc., Indianapolis, Ind. Internal combustion engines and power transmissions. 418,468, Apr. 20, 1948. Republished Jan. 6. Class 23.
Marn, Jean, Los Angeles, Calif. Concentrate used in making an orange-flavored maltless soft drink. 568,858, Jan. 6; Serial No. 624,143, published Sept. 23, 1952. Class 45.
Mayer, Oscar, & Co., Inc., Chicago, Ill. Bacon. 568,743, Jan. 6; Serial No. 605,910, published Sept. 30, 1952. Class 40.
Mealback Corporation, Eynston, Ill. Metallic boxes. 568,791, Jan. 6; Serial No. 615,563, published Sept. 30, 1952. Class 2.
Meat Industry Suppliers, Inc., Chicago, Ill. Chemical composition for use in curing meats. 568,904, Jan. 6; Serial No. 615,841. Class 46.
Meh Export Co., Inc., New York, N. Y. Cotton piece goods. 568,913, Jan. 6; Serial No. 627,634, published Oct. 14, 1952. Class 42.
Mel Fung Company, also doing business as M F Trading Company, San Francisco, Calif. Canned tuna fish. 568,908, Jan. 6; Serial No. 627,346, published Sept. 30, 1952. Class 46.
Melin Industries: See—
Melin, Sten S.
Melin, Sten S., doing business as Melin Industries, Cleveland, Ohio. Carriage for use in hitching various soil cultivating implements to a garden tractor. 568,680, Jan. 6; Serial No. 563,352, published Sept. 14, 1952. Class 25.
Mennen Company, The, Newark, N. J. Shaving creams. 568,724, Jan. 6; Serial No. 597,771, published Oct. 7, 1952. Class 31.
Meyer, Joseph H., Bros., Brooklyn, N. Y. Pearl jewelry. 568,718, Jan. 6; Serial No. 565,974, published Sept. 30, 1952. Class 28.
Meyer, Richard L., doing business as R-L-M Printing Company, Minot, N. Dak. Letter heads, partially printed statement sheets, partially printed labels, etc. 568,707-8, Jan. 6; Serial Nos. 584,501-2, published Oct. 7, 1952. Class 37.
Meyers & Rosser, Dallas, Tex. Enteric coated tablets. 568,838, Jan. 6; Serial No. 621,077, published Sept. 23, 1952. Class 18.

Millam, Inc., Winston-Salem, to Owen Drug Company, Salisbury, N. C. Herb compound. 298,187, renewed Oct. 18, 1952. O. G. Jan. 6. Class 18.
Minneapolis Savings and Loan Association, The, Minneapolis, Minn. Making home loans, accepting savings for deposits, etc. 568,947, Jan. 6; Serial No. 608,120, published Oct. 14, 1952. Class 102.
Modern Tissues Corp., New York, N. Y. Facial tissues, toilet tissues, and paper towels. 568,784, Jan. 6; Serial No. 611,138, published Oct. 7, 1952. Class 37.
Molson's Brewery Limited, Montreal, Quebec, Canada. Ale and porter. 568,889, Jan. 6; Serial No. 626,400, published Oct. 7, 1952. Class 48.
Monsanto Chemical Company, St. Louis, Mo. Compounds used as vulcanization accelerators. 568,903, Jan. 6; Serial No. 626,813, published Oct. 14, 1952. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Compounds for use in rubber. 568,904, Jan. 6; Serial No. 626,814, published Oct. 14, 1952. Class 6.
Monsanto Chemical Company, St. Louis, Mo. High molecular weight alcohol. 568,907, Jan. 6; Serial No. 626,897, published Oct. 14, 1952. Class 6.
Morrison Company: See—
Spangler, Ralf M.
Morse, Lockhart & Morse, Inc., Boston, by The Morse-Smith-Morse Company, Watertown, Mass. Fuel control valves. 367,531, May 23, 1930. Republished Jan. 6. Class 13.
Morse-Smith-Morse Company, The: See—
Morse, Lockhart & Morse, Inc.
Morton, Rose H., New York, N. Y. Umbrella-rib tips. 568,960, Jan. 6; Serial No. 611,293. Class 41.
Morton Salt Company, Chicago, Ill., assignee of Ruggles & Rademaker Salt Company, Salt. 568,684, Jan. 6; Serial No. 540,719, published Sept. 30, 1952. Class 46.
Motorola, Inc., Chicago, Ill. Television receiving sets. 568,802, Jan. 6; Serial No. 617,331, published Sept. 23, 1952. Class 21.
Mynor Pty. Limited, Mosman, near Sydney, Australia. Non-alcoholic maltless soft drinks, and essences, syrups and essential oils. 568,694, Jan. 6; Serial No. 575,916, published Sept. 23, 1952. Class 45.
Narragansett Brewing Company, Cranston, R. I. Ale and beer. 568,729, Jan. 6; Serial No. 600,185, published Sept. 23, 1952. Class 48.
Nash Inc., Jersey City, N. J., and Paris, France. Wallets, purses, billfolds, etc. 568,866, Jan. 6; Serial No. 625,213, published Oct. 7, 1952. Class 3.
National Distillers Products Corporation, New York, N. Y. Mixture of distillers' dehydrated grains and solubles. 568,737, Jan. 6; Serial No. 603,808, published Oct. 7, 1952. Class 46.
Nella, J., Lumber Company, Libby, Mont. Creosote treated poles. 568,787, Jan. 6; Serial No. 615,018, published Sept. 30, 1952. Class 12.
New England Fish Company, Seattle, Wash. Canned salmon. 568,870, Jan. 6; Serial No. 625,686, published Sept. 23, 1952. Class 46.
Noma Electric Corporation: See—
Estate Stove Company, The.
Norman Hearing Aid Co., St. Paul, Minn. Hearing aids. 568,827, Jan. 6; Serial No. 620,011, published Oct. 14, 1952. Class 44.
Northrup, King & Co., Minneapolis, Minn. Fodder-corn seeds. 90,728, re-renewed Mar. 18, 1953. O. G. Jan. 6. Class 1.
Noxall Pharmaceutical Co., The: See—
Eisenberg, Joseph W.
Numotizine, Inc., Chicago, Ill. Pharmaceutical preparations. 568,968, Jan. 6; Serial No. 619,846. Class 18.
Olanowoc Canning Company, Olanowoc, Wis. Canned peas. 568,687, Jan. 6; Serial No. 559,044, published Oct. 14, 1952. Class 46.
Ohio Confection Company, The, also doing business as Ohio Confection Sales Co., Cleveland, Ohio. Assorted candies. 568,734, Jan. 6; Serial No. 610,091, published Oct. 7, 1952. Class 46.
Ohio Confection Sales Co.: See—
Ohio Confection Company, The.
Ohio Natural Casing and Supply Co., Newark, Ohio. Neutral sausage casings. 568,772, Jan. 6; Serial No. 613,018, published Sept. 9, 1952. Class 2.
Okonite Company, The, Passaic, N. J. Insulated wires and cables. 296,335, renewed Aug. 2, 1952. O. G. Jan. 6. Class 21.
Okonite Company, The, Passaic, N. J. Insulated wires and cables. 299,502, renewed Dec. 6, 1952. O. G. Jan. 6. Class 21.
Okonite Company, The, Passaic, N. J. Insulated wires and cables. 299,792-4, renewed Dec. 20, 1952. O. G. Jan. 6. Class 21.
Olafsen Vitamins, Inc.: See—
Wieboldt Stores, Inc.
Old Denmark, Inc., New York, N. Y. Salads, sandwiches, cakes, etc. 568,956, Jan. 6; Serial No. 592,719. Class 46.
Oldmill Paper Products Corp., Brooklyn, to Oldmill Paper Products Corporation, Long Island City, N. Y. Paper baking cups, baking dishes, candy cups, etc. 298,580, renewed Nov. 1, 1952. O. G. Jan. 6. Class 2.
Oldmill Paper Products Corporation: See—
Oldmill Paper Products Corp.
Ora-Magic Co.: See—
Krajlan, Aram A.

Ortho Pharmaceutical Corporation: See—
Johnson & Johnson.
Osborne Garrett & Co., to Osborne, Garrett & Co., Limited, London, England. Razors. 58,019, re-renewed Aug. 20, 1952. O. G. Jan. 6. Class 23.
Osborne, Garrett & Co., Limited: See—
Osborne Garrett & Co.
Owen Drug Company: See—
Millam, Inc.
Ozark Canvas Corp., North Little Rock, Ark. Water bags. 568,790, Jan. 6; Serial No. 615,283, published Sept. 16, 1952. Class 2.
Pacific Brewing and Maltting Co., also doing business as Calso Water Co., San Francisco, Calif. Carbonated water. 568,771, Jan. 6; Serial No. 612,927, published Sept. 23, 1952. Class 45.
Paley & Thomas, Inc., New York, N. Y. Cultured pearls. 568,825, Jan. 6; Serial No. 619,847, published Sept. 30, 1952. Class 28.
Parallel Manufacturing Corporation, New York, N. Y. Mirrored glass. 568,965, Jan. 6; Serial No. 616,121. Class 33.
Parke, Davis & Company, Detroit, Mich. Vitamin preparation. 568,927, Jan. 6; Serial No. 630,146, published Oct. 14, 1952. Class 18.
Peck's Products Company, St. Louis, Mo. Liquid detergent, solid detergent, soap bases, etc. 568,823, Jan. 6; Serial No. 619,645, published Oct. 14, 1952. Class 32.
Peerless Chemical Company, The: See—
Stevens, Harry R.
Pendleton, Penny, Inc., Clayton, Mo. Retainers for eyeglasses. 568,954, Jan. 6; Serial No. 579,941. Class 26.
Pep'mint Tooth Paste Co.: See—
Susall, Charles A.
Peppy Bits: See—
Downey, Joseph B.
Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation. 299,202, renewed Nov. 22, 1952. O. G. Jan. 6. Class 18.
Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation. 300,227, renewed Jan. 10, 1953. O. G. Jan. 6. Class 18.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 568,928, Jan. 6; Serial No. 630,467, published Oct. 14, 1952. Class 18.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic preparation. 568,934, Jan. 6; Serial No. 631,086, published Oct. 21, 1952. Class 18.
Pharmaceuticals, Inc., Newark, N. J. Geriatric dietary supplement. 568,933, Jan. 6; Serial No. 630,950, published Oct. 21, 1952. Class 18.
Philadelphia Brief Case Co., Philadelphia, Pa. Handles for luggage. 568,852, Jan. 6; Serial No. 623,032, published Oct. 7, 1952. Class 3.
Phillips-Jones Corporation: See—
Phillips, M., & Sons.
Phillips-Jones Corporation, New York, N. Y. Men's and boys' negligee shirts and pajamas. 297,177, renewed Sept. 6, 1952. O. G. Jan. 6. Class 39.
Phillips, M., & Sons, to Phillips-Jones Corporation, New York, N. Y. Boys' and youths' blouses, dresses, and negligee shirts, etc. 87,303, re-renewed July 9, 1952. O. G. Jan. 6. Class 39.
Phillips, M., & Sons, to Phillips-Jones Corporation, New York, N. Y. Work and negligee shirts, night-shirts, pajamas, etc. 87,304, re-renewed July 9, 1952. O. G. Jan. 6. Class 39.
Phillips, M., & Sons, to Phillips-Jones Corporation, New York, N. Y. Dress, negligee, and work shirts, night-shirts, etc. 88,111, re-renewed Aug. 27, 1952. O. G. Jan. 6. Class 39.
Pierre, Dr., Chemical Company, Chicago, Ill. Reducing bath salts. 297,856, renewed Oct. 4, 1952. O. G. Jan. 6. Class 51.
Pittsburgh Equitable Meter Company, to Rockwell Manufacturing Company, Pittsburgh, Pa. Pressure correcting gas meters. 300,090, renewed Jan. 3, 1953. O. G. Jan. 6. Class 26.
Plax Corporation, West Hartford, Conn. Bottles. 568,820, Jan. 6; Serial No. 619,409, published Oct. 7, 1952. Class 2.
Pilibrico Company: See—
Pilibrico Jointless Firebrick Company.
Pilibrico Jointless Firebrick Company, Chicago, Ill., now by change of name, Pilibrico Company. Thermosetting plastic refractory material. 568,760, Jan. 6; Serial No. 612,348, published Sept. 16, 1952. Class 12.
Plinsky, Louis, by Lee-Wald Garment Company, Kansas City, Mo. Child's tailored overall garments. 297,542, Sept. 20, 1932. Republished Jan. 6. Class 38.
Pompton Craftmen, Inc., Pompton Lakes, N. J. Beverage and food holders and plates. 568,907, Jan. 6; Serial No. 617,930. Class 2.
Popcorn Processing Company: See—
Stine, Lee E.
Popelowsky, Israel A., trading as Pop's Chemical Laboratory, Brooklyn, N. Y. Hair coloring. 568,841, Jan. 6; Serial No. 621,478, published Sept. 30, 1952. Class 51.
Pop's Chemical Laboratory: See—
Popelowsky, Israel A.
Preston-Shaffer Milling Co., Walla Walla, Wash. Wheat flour. 568,692, Jan. 6; Serial No. 571,991, published Apr. 8, 1952. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Suding cleaner, cleanser, and detergent. 568,869, Jan. 6; Serial No. 625,437, published Sept. 30, 1952. Class 32.
Progressive Silk Finishing Company, Hoboken, N. J. Processing of natural or artificial fabrics. 568,974, Jan. 6; Serial No. 611,974. Class 106.
Proof of Parentage Association: See—
Blair, L. W.
Protex Products Company, Inc., Jersey City, N. J. Garment bags, shoe bags, laundry bags, etc. 568,759, Jan. 6; Serial No. 610,582, published Sept. 30, 1952. Class 2.
R-L-M Printing Company: See—
Meyer, Richard L.
Radiator Specialty Company, Charlotte, N. C. Traffic marker. 568,972, Jan. 6; Serial No. 630,348. Class 30.
Rassenfoss Bag Company, Olneyville, Ill. Plastic garment storage bag. 568,756, Jan. 6; Serial No. 610,338, published Sept. 9, 1952. Class 2.
Relchold Chemicals, Inc.: See—
Beck, Koller & Company, Inc.
Renteo Incorporated, Wilmington, Del., and Philadelphia, Pa. Lithographic printing machinery. 568,738, Jan. 6; Serial No. 603,942, published Sept. 16, 1952. Class 23.
Republic Molding Corporation, Chicago, Ill. Plastic receptacles and housewares. 568,763, Jan. 6; Serial No. 611,106, published Oct. 7, 1952. Class 2.
Republic Steel Corporation, assignee: See—
Truscon Steel Company.
Rexall Drug Company, assignee: See—
MacGregor, May.
Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Liquid antihistaminic cough syrup. 568,941, Jan. 6; Serial No. 633,272, published Oct. 21, 1952. Class 18.
Ridge Tool Company, The, Elyria, Ohio. Thread cutting oil. 301,511, renewed Mar. 7, 1953. O. G. Jan. 6. Class 15.
Riegel Paper Corporation, New York, N. Y. Greaseproof and imitation parchment paper. 296,365, Aug. 2, 1932. Republished Jan. 6. Class 37.
Robinson Syrup Co., Inc., Cairo, Ga. Table syrup. 568,711, Jan. 6; Serial No. 587,976, published Oct. 7, 1952. Class 46.
Rockwell Manufacturing Company: See—
Delta Manufacturing Company, The.
Pittsburgh Equitable Meter Company.
Rubberet Company, Newark, N. J. Hand cleanser. 568,860, Jan. 6; Serial No. 624,761, published Sept. 23, 1952. Class 52.
Ruggles & Rademaker Salt Company: See—
Morton Salt Company.
Ruvelson, Phil G., Inc., Minneapolis, Minn. Finger rings. 568,784, Jan. 6; Serial No. 614,846, published Sept. 23, 1952. Class 28.
Sacway Stores, Incorporated, Oakland, Calif. Ice cream. 568,922, Jan. 6; Serial No. 628,206, published Oct. 7, 1952. Class 46.
Sakrete, Inc., St. Bernard, Ohio. Mixtures of cement, sand and aggregate, cement and sand and cement, etc. 568,874, Jan. 6; Serial No. 625,632, published Sept. 23, 1952. Class 12.
Sanford Sales Corporation, New York, N. Y. Cathartic and laxative preparation. 568,826, Jan. 6; Serial No. 619,853, published Sept. 23, 1952. Class 18.
Sautter, Karl H., doing business as Leo Products, Chicago, Ill. Laxative preparation. 568,842, Jan. 6; Serial No. 621,581, published Sept. 23, 1952. Class 18.
Sautter, Karl H., Chicago, Ill. Laxative preparation. 568,844, Jan. 6; Serial No. 621,787, published Sept. 30, 1952. Class 18.
Saxon Paper Products Inc., New York, N. Y. Bond paper. 568,846, Jan. 6; Serial No. 622,228, published Oct. 7, 1952. Class 37.
Schacht Mercantile Company, Denver, Colo. Herring fillets, smoked salmon, pickled fish, etc. 568,822, Jan. 6; Serial No. 619,475, published Oct. 14, 1952. Class 46.
Schei Leather Goods Co., Inc., Cincinnati, Ohio. Luggage and carrying cases. 568,923, Jan. 6; Serial No. 628,720, published Oct. 14, 1952. Class 3.
Schenley Laboratories, Inc., New York, N. Y. Pharmaceutical preparations. 568,915, Jan. 6; Serial No. 627,963, published Oct. 21, 1952. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Mercurial diuretic. 568,910, Jan. 6; Serial No. 627,970, published Oct. 21, 1952. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Penicillin and sulfonamides preparation. 568,917, Jan. 6; Serial No. 627,973, published Oct. 21, 1952. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Tablet containing an antacid and sedative. 568,918, Jan. 6; Serial No. 627,974, published Oct. 21, 1952. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Antacid and sedative tablet. 568,919, Jan. 6; Serial No. 627,975, published Oct. 21, 1952. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Preparation used as a vascular protective and lipotropic agent. 568,920, Jan. 6; Serial No. 627,976, published Oct. 21, 1952. Class 18.
Schering Corporation, Bloomfield, N. J. X-ray diagnostic medium. 568,757, Jan. 6; Serial No. 610,466, published Oct. 21, 1952. Class 18.

LIST OF REGISTRANTS OF TRADE-MARKS

- Schuman & Donch, Inc., by Bond Diamond Company, Newark, N. J. Finger rings, brooches, bracelets, etc. 322,108, Feb. 26, 1935. Republished Jan. 6, 1952. Class 28.
- Sereentite Door Co., Oakland, Calif. Screen doors. 568,819, Jan. 6; Serial No. 619,147, published Sept. 30, 1952. Class 12.
- Searle, G. D. & Co., Skokie, Ill. Synthetic hormone preparation. 568,893, Jan. 6; Serial No. 629,643, published Sept. 30, 1952. Class 18.
- Seeman Brothers, Inc., New York, N. Y. Solidified air freshening deodorant. 568,894, Jan. 6; Serial No. 626,541, published Oct. 14, 1952. Class 6.
- Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in the treatment of gastrointestinal disorders. 568,895, Jan. 6; Serial No. 626,542, published Sept. 30, 1952. Class 18.
- Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal preparation. 568,925, Jan. 6; Serial No. 629,586, published Oct. 14, 1952. Class 18.
- Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens, mechanical pencils and ball point pens. 568,740, Jan. 6; Serial No. 604,268, published Oct. 7, 1952. Class 37.
- Shell Chemical Company, San Francisco, Calif., to Shell Chemical Corporation, New York, N. Y. Salts of ammonia for fertilizer. 300,531, renewed Jan. 24, 1953. O. G. Jan. 6. Class 10.
- Shell Chemical Corporation: See—
Shell Chemical Company.
- Shell Oil Company, San Francisco, Calif., to Shell Oil Company, New York, N. Y. Petroleum pitch. 298,250, renewed Oct. 18, 1952. O. G. Jan. 6. Class 1.
- Signore, Pierre H., Co., Inc., New York, N. Y. Fresh Belgian chocolate. 568,850, Jan. 6; Serial No. 623,015, published Sept. 23, 1952. Class 46.
- Simonds Manufacturing Company, Fitchburg, Mass., Chicago, Ill., New York and Lockport, N. Y., and elsewhere, by Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 89,309, Dec. 17, 1912. Republished Jan. 6, 1952. Class 23.
- Simonds Saw and Steel Company: See—
Simonds Manufacturing Company.
- Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Loop forming implements. 300,977, renewed Feb. 14, 1953. O. G. Jan. 6. Class 23.
- Smith, Matthew, trading as Flamingo, Kearny, N. J. Plastic patch repair kits. 568,859, Jan. 6; Serial No. 624,163, published Oct. 14, 1952. Class 5.
- Smithfield Packing Company, Incorporated, The, Smithfield, Va. Bacon, sausage, cured ham, etc. 568,899, Jan. 6; Serial No. 626,644, published Oct. 7, 1952. Class 46.
- Solar Aircraft Company, San Diego, Calif. Coatings of ceramic. 568,833-4, Jan. 6; Serial Nos. 620,973-4, published Sept. 30, 1952. Class 12.
- South Shore Broadcasting Company, Quincy, Mass. Radio broadcasting. 568,930, Jan. 6; Serial No. 619,040, published Oct. 14, 1952. Class 104.
- Southern Advance Bag & Paper Co., Inc., Bangor, Maine, and Boston, Mass. Paper bags. 568,881, Jan. 6; Serial No. 534,931, published Oct. 7, 1952. Class 2.
- Southern Advance Bag & Paper Co., Inc., Bangor, Maine, and Boston, Mass. Paper bags. 568,866, Jan. 6; Serial No. 618,981, Class 2.
- Spankier, Ralf M., doing business under the fictitious trade name of Morrison Company, Hollywood, Calif. Vitamin-mineral tablets. 568,807, Jan. 6; Serial No. 617,891, published Sept. 30, 1952. Class 18.
- Speidel Corporation, Providence, R. I. Watch bracelets. 568,851, Jan. 6; Serial No. 623,018, published Sept. 23, 1952. Class 28.
- Speidel Corporation, Providence, R. I. Watch bracelets. 568,855, Jan. 6; Serial No. 623,377, published Sept. 23, 1952. Class 28.
- Speidel Corporation, Providence, R. I. Watch bracelets. 568,878, Jan. 6; Serial No. 625,828, published Sept. 30, 1952. Class 28.
- Speilmann, Kathryn C., Park Ridge, Ill., assignor to Derdel Inc., Ontario, Calif. Non-carbonated, non-alcoholic maltless soft drink and a concentrate. 568,776, Jan. 6; Serial No. 613,887, published Sept. 23, 1952. Class 45.
- Sponge Rubber Products Co., The, Derby, to The Sponge Rubber Products Company, Shelton, Conn. Rubber sponges. 298,042, renewed Oct. 11, 1952. O. G. Jan. 6. Class 1.
- Sponge Rubber Products Company, The: See—
Sponge Rubber Products Co., The.
- Squibb, E. R. & Sons, New York, N. Y. Preparation of corticotropin. 568,843, Jan. 6; Serial No. 621,732, published Oct. 21, 1952. Class 18.
- Srepeo, Inc., Dayton, Ohio. Radio, electrical, and electronic equipment. 568,898, Jan. 6; Serial No. 578,664, published Sept. 30, 1952. Class 21.
- Staley, A. E., Manufacturing Company: See—
Staley, Augustus E.
- Staley, Augustus E., Baltimore, Md., to A. E. Staley Manufacturing Company, Decatur, Ill. Starch for food purposes. 39,146, re-renewed Oct. 28, 1952. O. G. Jan. 6. Class 46.
- Standard Pressed Steel Co., Jenkintown, Pa. Hollow set screws, socket head cap screws, etc. 301,583, renewed Mar. 7, 1953. O. G. Jan. 6. Class 13.
- Stanley Drug Products, Inc., Portland, Oreg. Volatile liniment and liniments in general. 568,696, Jan. 6; Serial No. 576,235, published Sept. 30, 1952. Class 18.
- Stanley Drug Products, Inc., Portland, Oreg. Preparation containing vitamins. 568,798, Jan. 6; Serial No. 618,454, published Sept. 30, 1952. Class 18.
- Stetson, John B., Company, Philadelphia, Pa. Men's and boys' felt and straw hats and cloth caps, men's silk hats, etc. 298,860, Nov. 8, 1932. Republished Jan. 6. Class 39.
- Stevens, Harry R., trading as The Peerless Chemical Company, Baltimore, Md. Cleaning and washing powder. 568,715, Jan. 6; Serial No. 591,811, published Sept. 30, 1952. Class 32.
- Stine, Lee E., trading as Popcorn Processing Company, Hagerstown, Md. Raw pop corn and popped pop corn. 568,726, Jan. 6; Serial No. 598,759, published Oct. 7, 1952. Class 46.
- Sudbury Brass Goods Company: See—
Lindblad, Allan P.
- Sun Maid Raisin Growers of California, Fresno, Calif. Dried raisins and dried fruits. 297,021, renewed Aug. 30, 1952. O. G. Jan. 6. Class 46.
- Swaslin, Charles A., doing business as Peppermint Tooth Paste Co., Mount Vernon, N. Y. Toothpaste. 568,803, Jan. 6; Serial No. 617,379, published Sept. 30, 1952. Class 51.
- Sutliff & Case Co., Inc., Peoria, Ill. Expectorant useful for coughs due to colds. 568,700, Jan. 6; Serial No. 578,724, published Oct. 21, 1952. Class 18.
- Tallor Made Lawn, Inc., to A. E. Garner, New York, N. Y. Cellulose material in sheet form, carrying grass seed and fertilizer. 441,279, Nov. 9, 1948. New certificate. O. G. Jan. 6. Class 1.
- Telrex Inc., Asbury Park, N. J. Television antenna masts. 568,903, Jan. 6; Serial No. 615,300. Class 21.
- Terry, Walter T., Jr., Wichita, Kans., by S. W. Chapman, Kansas City, Mo. Floor and furniture wax. 190,873, Oct. 28, 1924. Republished Jan. 6. Class 4.
- Texas Company, The, to The Texas Company, New York, N. Y. Gasoline. 300,073, renewed Jan. 3, 1953. O. G. Jan. 6. Class 15.
- Textron Incorporated, Providence, R. I. Electric blankets. 568,893, Jan. 6; Serial No. 626,481, published Sept. 30, 1952. Class 21.
- Theta Sigma Upsilon Sorority, Denver, Colo. Sorority pins, finger rings, and badges. 568,830, Jan. 6; Serial No. 620,899, published Sept. 23, 1952. Class 28.
- Three R Co., Passaic, N. J. Botanical extract. 568,728, Jan. 6; Serial No. 599,722, published Oct. 21, 1952. Class 18.
- Trombetta, Paolo, Milwaukee, Wis. Prime movers of the electrical type. 568,760-1, Jan. 6; Serial Nos. 610,595-6, published Sept. 23, 1952. Class 21.
- Troob-Gordon Co., Providence, R. I. Jewelry. 568,799, Jan. 6; Serial No. 616,739, published Sept. 30, 1952. Class 28.
- Truscon Steel Company, Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Steel boxes, bomb crates, telephone boxes, etc. 568,765, Jan. 6; Serial No. 611,202, published Sept. 30, 1952. Class 2.
- Tway, R. C., Company, Inc.: See—
Kentucky Wagon Manufacturing Co.
- Ulrich Manufacturing Company, Roanoke, Ill. Hydraulic loaders, hydraulic pumps, etc. 568,710, Jan. 6; Serial No. 585,087, published Sept. 5, 1950. Class 23.
- United Hosiery Mills Corporation, assignor to Bebon Corporation, Chattanooga, Tenn. Cotton piece goods. 568,932, Jan. 6; Serial No. 630,814, published Oct. 14, 1952. Class 42.
- United States Gypsum Company, Chicago, Ill. Metal casting plaster. 568,713, Jan. 6; Serial No. 591,260, published Sept. 30, 1952. Class 12.
- United States Hoffman Machinery Corporation, Syracuse and New York, N. Y. Press pads and covers. 568,760, Jan. 6; Serial No. 611,386, published Oct. 7, 1952. Class 24.
- United Wallpaper, Inc., Chicago, Ill. Wallpaper. 568,808, Jan. 6; Serial No. 618,016, published Oct. 7, 1952. Class 37.
- Valcourt, Joseph S., Fall River, Mass. Hair tonic. 568,762, Jan. 6; Serial No. 610,931, published Sept. 23, 1952. Class 51.
- Vale Chemical Company, Inc., The, Allentown, Pa. Tablets used as an effective regulation of colonic function. 568,725, Jan. 6; Serial No. 597,901, published Oct. 21, 1952. Class 18.
- Van Pels, Max, New York, N. Y. Insecticides. 568,814, Jan. 6; Serial No. 618,473, published Oct. 14, 1952. Class 6.
- Van Rooy Coffee Co., Inc., Cleveland, Ohio. Coffee. 299,473, renewed Dec. 6, 1952. O. G. Jan. 6. Class 46.
- Veglia, Francesco, Turin, Italy. Forceps. 300,311, renewed Jan. 10, 1953. O. G. Jan. 6. Class 44.
- Vital Products Manufacturing Company, Cleveland, Ohio. Caking compound. 568,782, Jan. 6; Serial No. 614,528, published Sept. 30, 1952. Class 12.
- Violeto, Frank, Brooklyn, N. Y. Macaroni. 568,884, Jan. 6; Serial No. 626,183, published Sept. 23, 1952. Class 46.
- Vollmer's Food Specialties, Inc., Ardmore, Pa. Food specialties. 568,783, Jan. 6; Serial No. 614,639, published Sept. 30, 1952. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

- Volana Company, The, Portsmouth, Ohio. Medicinal preparation. 568,744, Jan. 6; Serial No. 606,093, published Oct. 14, 1952. Class 18.
- W. & H. Jewelry Company, Providence, R. I. Jewelry. 568,800, Jan. 6; Serial No. 616,744, published Oct. 7, 1952. Class 28.
- Walgreen Co.: See—
Kilian Manufacturing Co., The.
- Walgreen Co., Chicago, Ill. Electric clocks. 298,444, renewed Oct. 25, 1952. O. G. Jan. 6. Class 27.
- Wamatta Mills, New Bedford, Mass. Bed sheets. 568,812, Jan. 6; Serial No. 618,252, published Oct. 14, 1952. Class 42.
- Wamatta Mills, New Bedford, Mass. Cotton piece goods. 568,828, Jan. 6; Serial No. 620,181, published Oct. 14, 1952. Class 42.
- Wasco Flashing Co., Cambridge, Mass. Skylights. 568,809, Jan. 6; Serial No. 618,067, published Sept. 30, 1952. Class 12.
- Webb, Harry K., Alexandria, Minn. Gasoline and lubricating oil. 568,714, Jan. 6; Serial No. 591,265, published Oct. 7, 1952. Class 15.
- Wellite Corporation, Tulsa, Okla. Light-weight additives. 568,716, Jan. 6; Serial No. 593,955, published Oct. 21, 1952. Class 6.
- West Disinfecting Company, Long Island City, N. Y. Paper towels and toilet tissue. 568,865, Jan. 6; Serial No. 625,178, published Oct. 7, 1952. Class 37.
- Wheeling Corrugating Company, assignee: See—
Wheeling Steel Corporation.
- Wheeling Steel Corporation, assignor to Wheeling Corrugating Company, Wheeling, W. Va. Metal shipping and storage pails, shipping and storage cans, etc. 568,682, Jan. 6; Serial No. 537,760, published Sept. 16, 1952. Class 2.
- Whitman, Stephen F. & Son, Inc., Philadelphia, Pa. Candy. 568,890-1, Jan. 6; Serial Nos. 565,870-1, published Sept. 23, 1952. Class 46.
- Wieboldt Stores, Inc., to Olafsen Vitamins, Inc., Chicago, Ill. Cod liver oil. 297,930, renewed Oct. 4, 1952. O. G. Jan. 6. Class 6.
- Wilder, Burley H., doing business as Wilder Photo Copy Co., to Wilder Photo Copy Company, Inc., Buffalo, N. Y. Printed matter. 297,573, renewed Sept. 20, 1952. O. G. Jan. 6. Class 38.
- Wilder Photo Copy Co.: See—
Wilder, Burley H.
- Wilder Photo Copy Company, Inc.: See—
Wilder, Burley H.
- Winthrop-Stearns Inc., New York, N. Y. Analgesic, anti-septic, and decongestive preparation. 568,773, Jan. 6; Serial No. 613,277, published Oct. 21, 1952. Class 18.
- Wolf, Jacques, & Co., Passaic, to Jacques Wolf & Co., Clifton, N. J. Chemical preparation. 297,838, renewed Oct. 4, 1952. O. G. Jan. 6. Class 6.
- Wonder Wax Company, Fresno, Calif. Specially prepared paraffin. 568,810, Jan. 6; Serial No. 618,069, published Oct. 21, 1952. Class 15.
- Wright & McGill Co., Denver, Colo. Bulk fish hooks, snelled fish hooks. 568,797, Jan. 6; Serial No. 618,576, published Oct. 21, 1952. Class 22.
- Yakima County Horticultural Union, Yakima, Wash. Canned pears. 568,882, Jan. 6; Serial No. 628,006, published Sept. 23, 1952. Class 46.
- Yale & Towne Manufacturing Co., The, New York, N. Y. Padlocks. 568,683, Jan. 6; Serial No. 538,221, published Oct. 14, 1952. Class 25.
- Yardley & Company Limited, London, England. Bath salts, bath salts tablets, perfume, etc. 298,226, Oct. 18, 1932. Republished Jan. 6. Class 51.
- Yardley & Company Limited, London, England. Toilet soap. 298,376, Oct. 25, 1932. Republished Jan. 6. Class 52.
- Young, W. F., Inc.: See—
Young, Wilbur F.
- Young, Wilbur F., to W. F. Young, Inc., Springfield, Mass. Liniment. 89,786, re-renewed Jan. 7, 1953. O. G. Jan. 6. Class 18.
- Youngs Rubber Corporation: See—
Youngs Rubber Corporation, Inc.
- Youngs Rubber Corporation, Inc., to Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 299,066, renewed Nov. 22, 1952. O. G. Jan. 6. Class 44.
- Zik Products Company, The: See—
Galpen, William D.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

- Cellulose material in sheet form, carrying grass seed and fertilizer. Tallor Made Lawn, Inc. 441,279, Nov. 9, 1948. New certificate. O. G. Jan. 6.
- Coal. Amherst Fuel Company. 568,801, Jan. 6; Serial No. 616,888, published Oct. 7, 1952.
- Coal. Bituminous. Boone County Coal Corporation. 300,782, renewed Feb. 7, 1953. O. G. Jan. 6.
- Fur skins. A. Hollander & Son, Inc. 297,657, renewed Sept. 27, 1952. O. G. Jan. 6.
- Petroleum pitch. Shell Oil Company. 298,250, renewed Oct. 18, 1952. O. G. Jan. 6.
- Rubber sponges. The Sponge Rubber Products Co. 298,042, renewed Oct. 11, 1952. O. G. Jan. 6.
- Seeds. Fodder-corn. Northrup, King & Co. 90,728, renewed Mar. 18, 1953. O. G. Jan. 6.

CLASS 2

- Bag, Plastic garment storage. Rassenfoss Bag Company. 568,756, Jan. 6; Serial No. 610,338, published Sept. 9, 1952.
- Bags, Garment, shoe bags, laundry bags, etc. Protex Products Company, Inc. 568,759, Jan. 6; Serial No. 610,582, published Sept. 30, 1952.
- Bags, Paper. Southern Advance Bag & Paper Co. Inc. 568,681, Jan. 6; Serial No. 534,931, published Oct. 7, 1952.
- Bags, Paper. Southern Advance Bag & Paper Co. Inc. 568,866, Jan. 6; Serial No. 618,981.
- Bags, Paper and glassine, paper and glassine merchandise envelopes, etc. The American Paper Goods Company. 568,748, Jan. 6; Serial No. 609,584, published Sept. 30, 1952.
- Bags, Water. Ozark Canvas Corp. 568,790, Jan. 6; Serial No. 615,283, published Sept. 16, 1952.
- Beverage and food holders and plates. Pompton Craftsmen, Inc. 568,967, Jan. 6; Serial No. 617,936.
- Bottles. Flax Corporation. 568,820, Jan. 6; Serial No. 619,409, published Oct. 7, 1952.
- Boxes, Metallic. Mealpack Corporation. 568,791, Jan. 6; Serial No. 615,563, published Sept. 30, 1952.
- Boxes, Steel, bomb crates, telephone boxes, etc. Truscon Steel Company. 568,765, Jan. 6; Serial No. 611,202, published Sept. 30, 1952.
- Canisters, Metal. The Enterprise Aluminum Company. 298,972, renewed Nov. 15, 1952. O. G. Jan. 6.
- Cartons and boxes. Folding cardboard. Empire Box Corporation. 568,815, Jan. 6; Serial No. 618,696, published Sept. 9, 1952.

CLASS 3

- Cups, Paper, and paper cartons. Dixie Cup Company. 568,770, Jan. 6; Serial No. 612,368, published Sept. 30, 1952.
- Merchandise envelopes. P. L. Andrews Corporation. 568,958, Jan. 6; Serial No. 606,252.
- Merchandise envelopes. Alexander Herz Co., Inc. 568,688, Jan. 6; Serial No. 562,899, published Sept. 16, 1952.
- Pails, Metal shipping and storage, shipping and storage cans, etc. Wheeling Steel Corporation. 568,682, Jan. 6; Serial No. 537,760, published Sept. 16, 1952.
- Paper baking cups, baking dishes, candy cups, etc. Old-mill Paper Products Corp. 298,580, renewed Nov. 1, 1952. O. G. Jan. 6.
- Protective jackets and fillers for shipping, storing, etc. Keyes Fibre Company, Inc. 300,601, renewed Jan. 31, 1953. O. G. Jan. 6.
- Receptacles and housewares. Plastic. Republic Molding Corporation. 568,763, Jan. 6; Serial No. 611,106, published Oct. 7, 1952.
- Sausage casings. Neutral. Ohio Natural Casing and Supply Co. 568,772, Jan. 6; Serial No. 613,018, published Sept. 9, 1952.
- Silos, Metal, and metal grain bins. Clayton & Lambert Manufacturing Company. 568,792, Jan. 6; Serial No. 615,693, published Sept. 16, 1952.
- Tanks, Maintenance. American Air Filter Company, Inc. 568,712, Jan. 6; Serial No. 588,615, published Sept. 30, 1952.

CLASS 4

- Cleaning preparation. Armour and Company. 88,547, re-renewed Oct. 1, 1952. O. G. Jan. 6.
- Polish, Automobile. Best Seal Products. 568,962, Jan. 6; Serial No. 613,378.
- Wax, Floor and furniture. W. T. Terry, Jr. 190,873, Oct. 28, 1924. Republished Jan. 6.

CLASS 3

Adhesives. E. I. du Pont de Nemours and Company. 568,830, Jan. 6; Serial No. 621,037, published Oct. 14, 1952.
Adhesives, Liquid. C. W. Comegys. 568,971, Jan. 6; Serial No. 626,197.
Cement, Liquid rubber. C. Blum. 568,775, Jan. 6; Serial No. 613,158, published Oct. 14, 1952.
Plastic patch repair kits. M. Smith. 568,859, Jan. 6; Serial No. 624,163, published Oct. 14, 1952.

CLASS 6

Activators and conditioners for septic tanks, etc. Chemical Research Products, Inc. 568,818, Jan. 6; Serial No. 619,073, published Oct. 14, 1952.
Bluing. Brillo Manufacturing Company, Inc. 301,409, renewed Feb. 28, 1953. O. G. Jan. 6.
Chemical preparation. Jacques Wolf & Co. 297,838, renewed Oct. 4, 1952. O. G. Jan. 6.
Cod liver oil. Wieboldt Stores, Inc. 297,930, renewed Oct. 4, 1952. O. G. Jan. 6.
Compounds for use in rubber. Monsanto Chemical Company. 568,904, Jan. 6; Serial No. 626,814, published Oct. 14, 1952.
Compounds used as vulcanization accelerators. Monsanto Chemical Company. 568,903, Jan. 6; Serial No. 626,813, published Oct. 14, 1952.
Disinfectant. The Gerson-Stewart Corporation Company. 568,733, Jan. 6; Serial No. 610,014, published Oct. 14, 1952.
Disinfectant and insecticide. J. W. Bullen. 300,192, renewed Jan. 10, 1953. O. G. Jan. 6.
High molecular weight alcohol. Monsanto Chemical Company. 568,907, Jan. 6; Serial No. 626,897, published Oct. 14, 1952.
Incense. Kotake Company, Limited, Honolulu, Hawaii. 568,733, Jan. 6; Serial No. 610,277, published Oct. 14, 1952.
Insecticides. M. van Pels. 568,814, Jan. 6; Serial No. 618,473, published Oct. 14, 1952.
Light-weight additives. Wellite Corporation. 568,716, Jan. 6; Serial No. 593,955, published Oct. 21, 1952.
Liquid brush-on dye. W. Lindenthal. 568,817, Jan. 6; Serial No. 619,026, published Oct. 14, 1952.
Solidified air freshening deodorant. Seeman Brothers, Inc. 568,894, Jan. 6; Serial No. 626,341, published Oct. 14, 1952.
Synthetic resins. Beck, Koller & Company, Inc. 301,403, renewed Mar. 7, 1953. O. G. Jan. 6.

CLASS 10

Salts of ammonia for fertilizer. Shell Chemical Company. 300,331, renewed Jan. 24, 1953. O. G. Jan. 6.

CLASS 12

Building blocks. F. J. Kennedy. 568,879, Jan. 6; Serial No. 625,984, published Sept. 30, 1952.
Calking compound. Vital Products Manufacturing Company. 568,782, Jan. 6; Serial No. 614,328, published Sept. 30, 1952.
Cement, Acid resistant. Chemical Linings, Inc. 568,871, Jan. 6; Serial No. 625,381, published Sept. 23, 1952.
Coatings of ceramic. Solar Aircraft Company. 568,833-4, Jan. 6; Serial Nos. 620,973-4, published Sept. 30, 1952.
Creosote treated poles. J. Neils Lumber Company. 568,787, Jan. 6; Serial No. 615,018, published Sept. 30, 1952.
Graphite base pipe joint compound, refractory coatings, and high temperature cements. Elracon Engineering Company. 568,875, Jan. 6; Serial No. 625,608, published Sept. 23, 1952.
Manhole covers, manhole frames, etc. The Dover Engineering Works Limited. 568,733, Jan. 6; Serial No. 601,392, published Sept. 30, 1952.
Mixtures of cement, sand and aggregate, cement and sand and cement, etc. Sakrete, Inc. 568,874, Jan. 6; Serial No. 625,632, published Sept. 23, 1952.
Non-metallic composition board panel plates, movable partitions, etc. The E. F. Hauserman Company. 568,793, Jan. 6; Serial No. 615,774, published Sept. 30, 1952.
Packaged plywood. M and M Wood Working Company. 568,700, Jan. 6; Serial No. 583,046, published Sept. 30, 1952.
Plaster, Metal casting. United States Gypsum Company. 568,713, Jan. 6; Serial No. 591,260, published Sept. 30, 1952.
Plywood. The Davis Plywood Corporation. 568,723, Jan. 6; Serial No. 597,609, published Sept. 30, 1952.
Prefabricated buildings and parts thereof. Dairytte, Inc. 568,789, Jan. 6; Serial No. 613,211, published Sept. 30, 1952.
Prefabricated metallic sink and lavatory frames. The B & T Metals Company. 568,734, Jan. 6; Serial No. 601,707, published Sept. 30, 1952.
Sashes, doors, blinds of the shutter type, etc. Curtia Companies Incorporated. 568,685, Jan. 6; Serial No. 543,790, published Sept. 30, 1952.
Screen doors. Screenite Door Co. 568,819, Jan. 6; Serial No. 619,147, published Sept. 30, 1952.
Shingles, Roofing. The Flintkote Company. 568,888, Jan. 6; Serial No. 626,319, published Sept. 30, 1952.

Shower doors. Flat Metal Manufacturing Company. 568,768, Jan. 6; Serial No. 611,509, published Sept. 30, 1952.
Skylights. Wasco Flashing Co. 568,809, Jan. 6; Serial No. 618,007, published Sept. 30, 1952.
Thermosetting plastic refractory material. Pilbrico Jointless Firebrick Company. 568,769, Jan. 6; Serial No. 612,348, published Sept. 16, 1952.
Tile, Glazed and unglazed. The General Clay Products Company. 568,697, Jan. 6; Serial No. 576,260, published Sept. 30, 1952.

CLASS 13

Aluminum and aluminum alloy cooking hollow ware. The Aluminum Cooking Utensil Company. 298,329, renewed Nov. 1, 1952. O. G. Jan. 6.
Aluminum and aluminum alloy cooking hollow ware. The Aluminum Cooking Utensil Company. 298,343, renewed Nov. 1, 1952. O. G. Jan. 6.
Hollow set screws, socket head cap screws, etc. Standard Pressed Steel Co. 301,583, renewed Mar. 7, 1953. O. G. Jan. 6.
Percolators. The Enterprise Aluminum Company. 300,413, renewed Jan. 17, 1953. O. G. Jan. 6.
Staples. Markwell Manufacturing Company, Inc. 568,957, Jan. 6; Serial No. 598,536.
Valves, Fuel control. Morse, Lockhart & Morse, Inc. 387,531, May 23, 1939. Republished Jan. 6.

CLASS 14

Metallic welding electrodes. The Lincoln Electric Company. 298,761-2, renewed Nov. 8, 1952. O. G. Jan. 6.
Steel sheets, steel bars and steel forgings. Henry Decton & Sons, Incorporated. 90,303, re-renewed Feb. 18, 1953. O. G. Jan. 6.

CLASS 15

Gasoline. The Atlantic Refining Company. 568,839, Jan. 6; Serial No. 621,193, published Oct. 21, 1952.
Gasoline. The Texas Company. 300,073, renewed Jan. 3, 1953. O. G. Jan. 6.
Gasoline and lubricating oil. H. K. Webb. 568,714, Jan. 6; Serial No. 591,265, published Oct. 7, 1952.
Greases, plumbago mixtures, and other thick substances of a lubricating nature. The Ironalides Company. 39,047, Oct. 14, 1902. Republished Jan. 6.
Lubricating-oils, greases, plumbago mixtures, etc. The Ironalides Company. 39,155, Oct. 28, 1902. Republished Jan. 6.
Oil, Thread cutting. The Ridge Tool Company. 301,511, renewed Mar. 7, 1953. O. G. Jan. 6.
Specially prepared paraffin. Wonder Wax Company. 568,810, Jan. 6; Serial No. 618,069, published Oct. 21, 1952.

CLASS 16

Paints, etc., Dry, paste, and ready mixed. Beck, Koller & Company, Inc. 301,765, renewed Mar. 14, 1953. O. G. Jan. 6.
Soluble ester gums and soluble plastic resins, employed as painters' materials. Beck, Koller & Company, Inc. 301,770, renewed Mar. 14, 1953. O. G. Jan. 6.
Soluble plastic resins used as painters' materials. Beck, Koller & Company, Inc. 301,771, renewed Mar. 14, 1953. O. G. Jan. 6.

CLASS 18

Acne ointment for the skin. American Institute of Dermatology, Inc. 568,959, Jan. 6; Serial No. 607,307.
Analgesic, antiseptic, and decongestive preparation. Winthrop-Stearns Inc. 568,773, Jan. 6; Serial No. 613,277, published Oct. 21, 1952.
Antacid and sedative tablet. Schenley Laboratories, Inc. 568,919, Jan. 6; Serial No. 627,975, published Oct. 21, 1952.
Antibiotic derivative. Bristol Laboratories Inc. 568,930, Jan. 6; Serial No. 630,472, published Oct. 14, 1952.
Antibiotic derivative. Bristol Laboratories Inc. 568,931, Jan. 6; Serial No. 630,474, published Oct. 21, 1952.
Antibiotic preparation. Chas. Pfizer & Co., Inc. 568,928, Jan. 6; Serial No. 630,467, published Oct. 14, 1952.
Antibiotic preparation. Chas. Pfizer & Co., Inc. 568,934, Jan. 6; Serial No. 631,060, published Oct. 21, 1952.
Antimalarial preparation. American Cyanamid Company. 568,937, Jan. 6; Serial No. 632,341, published Oct. 21, 1952.
Antiseptic pharmaceutical preparation. A. A. Krajlan. 568,750, Jan. 6; Serial No. 609,654, published Sept. 23, 1952.
Antiseptic preparation. Johnson & Johnson. 298,222, renewed Oct. 18, 1952. O. G. Jan. 6.
Botanical extract. Three R Co. 568,728, Jan. 6; Serial No. 599,722, published Oct. 21, 1952.
Houglas containing antibiotics. Austin Laboratories, Inc. 568,924, Jan. 6; Serial No. 629,413, published Oct. 21, 1952.
Cathartic and laxative preparation. Sanford Sales Corporation. 568,828, Jan. 6; Serial No. 619,853, published Sept. 23, 1952.
Cream preparation for the treatment of athlete's foot and other fungus infections, foot powder, etc. J. W. Eisenberg. 501,345, July 15, 1952. Corrected. O. G. Jan. 6.
Diagnostic opaquing preparation. Lafayette Pharmacal Inc. 568,824, Jan. 6; Serial No. 619,839, published Sept. 23, 1952.

Dietary supplement. Jeral Products, Inc. 568,938, Jan. 6; Serial No. 632,985, published Oct. 21, 1952.

Dietary supplement. Magnolia Pharmaceuticals, Inc. 568,926, Jan. 6; Serial No. 629,805, published Oct. 14, 1952.

Enteric coated tablets. Meyers & Rosser. 568,838, Jan. 6; Serial No. 621,077, published Sept. 23, 1952.

Expectorant useful for coughs due to colds. Sutliff & Case Co., Inc. 568,700, Jan. 6; Serial No. 578,724, published Oct. 21, 1952.

Feed supplement for animal feeds. Abbott Laboratories. 568,939, Jan. 6; Serial No. 633,026, published Oct. 21, 1952.

Ganglionic blocking agent, and solutions for parenteral injection. Ciba Pharmaceutical Products, Inc. 568,942, Jan. 6; Serial No. 633,447, published Oct. 21, 1952.

Geriatric dietary supplement. Pharmaceuticals, Inc. 568,933, Jan. 6; Serial No. 630,950, published Oct. 21, 1952.

Herb compound. Millam, Inc. 298,187, renewed Oct. 18, 1952. O. G. Jan. 6.

Hormone preparation, Synthetic. G. D. Searle & Co. 568,898, Jan. 6; Serial No. 626,643, published Sept. 30, 1952.

Laxative. Boots Pure Drug Company Limited. 568,970, Jan. 6; Serial No. 622,579.

Laxative preparation. K. H. Sautter. 568,842, Jan. 6; Serial No. 621,581, published Sept. 23, 1952.

Laxative preparation. K. H. Sautter. 568,844, Jan. 6; Serial No. 621,787, published Sept. 30, 1952.

Liniment. W. F. Young. 89,786, re-renewed Jan. 7, 1953. O. G. Jan. 6.

Liniment, Volatile, and liniments in general. Stanley Drug Products, Inc. 568,990, Jan. 6; Serial No. 576,235, published Sept. 30, 1952.

Liquid antihistamine cough syrup. Rhodes Pharmacal Co., Inc. 568,941, Jan. 6; Serial No. 633,272, published Oct. 21, 1952.

Medical preparation. Drug Specialties, Incorporated. 568,940, Jan. 6; Serial No. 633,147, published Oct. 21, 1952.

Medicated dandruff remover, medicated skin cream and lotion, etc. Galen Laboratories. 568,885, Jan. 6; Serial No. 626,238, published Oct. 21, 1952.

Medicinal preparation. Heyden Chemical Corporation. 295,134, renewed June 21, 1952. O. G. Jan. 6.

Medicinal preparation. The Mara Laboratories, Inc. 568,832, Jan. 6; Serial No. 620,967, published Oct. 21, 1952.

Medicinal preparation. S. Pfeiffer Manufacturing Company. 299,202, renewed Nov. 22, 1952. O. G. Jan. 6.

Medicinal preparation. S. Pfeiffer Manufacturing Company. 300,227, renewed Jan. 10, 1953. O. G. Jan. 6.

Medicinal preparation. Sharp & Dohme, Incorporated. 568,925, Jan. 6; Serial No. 629,580, published Oct. 14, 1952.

Medicinal preparation. The Votana Company. 568,744, Jan. 6; Serial No. 606,093, published Oct. 14, 1952.

Mercurial diuretic. Schenley Laboratories, Inc. 568,910, Jan. 6; Serial No. 627,970, published Oct. 21, 1952.

Penicillin. Bristol Laboratories Inc. 568,896, Jan. 6; Serial No. 626,608, published Sept. 30, 1952.

Penicillin and sulfonamides preparation. Schenley Laboratories, Inc. 568,917, Jan. 6; Serial No. 627,973, published Oct. 21, 1952.

Pharmaceutical chemicals and specialties of all kinds. Farbwerke Hoechst, vormals Meister Lucius & Bruning. 568,786, Jan. 6; Serial No. 614,913, published Sept. 23, 1952.

Pharmaceutical preparation. Cilag Aktiengesellschaft. 568,935, Jan. 6; Serial No. 631,199, published Oct. 21, 1952.

Pharmaceutical preparation. Cilag Aktiengesellschaft. 568,936, Jan. 6; Serial No. 631,201, published Oct. 21, 1952.

Pharmaceutical preparations. Numotizine, Inc. 568,968, Jan. 6; Serial No. 619,840.

Pharmaceutical preparations. Schenley Laboratories, Inc. 568,915, Jan. 6; Serial No. 627,963, published Oct. 21, 1952.

Preparation containing vitamins. Stanley Drug Products, Inc. 568,798, Jan. 6; Serial No. 616,454, published Sept. 30, 1952.

Preparation for treatment of acidity. Allied Drugs, Inc. 568,929, Jan. 6; Serial No. 630,468, published Oct. 21, 1952.

Preparation for use in the treatment of gastrointestinal disorders. Sharp & Dohme, Incorporated. 568,895, Jan. 6; Serial No. 626,542, published Sept. 30, 1952.

Preparation of corticotropin. E. R. Squibb & Sons. 568,843, Jan. 6; Serial No. 621,732, published Oct. 21, 1952.

Preparation used as a vascula: protective and hypotropic agent. Schenley Laboratories, Inc. 568,920, Jan. 6; Serial No. 627,970, published Oct. 21, 1952.

Sedative and hypnotic preparation. George A. Breon & Company. 568,911, Jan. 6; Serial No. 627,552, published Oct. 21, 1952.

Solutions for parenteral use. Don Baxter, Inc. 568,829, Jan. 6; Serial No. 620,296, published Oct. 21, 1952.

Tablet containing an antacid and sedative. Schenley Laboratories, Inc. 568,918, Jan. 6; Serial No. 627,974, published Oct. 21, 1952.

Tablets for the relief of pain. Hexin, Inc. 299,898, renewed Dec. 27, 1952. O. G. Jan. 6.

Tablets used as an effective regulation of colonic function. The Vale Chemical Company, Inc. 568,725, Jan. 6; Serial No. 597,991, published Oct. 21, 1952.

Therapeutic agent for the control of fermentation in the human system. Ferbo Research Laboratories, Inc. 298,198, renewed Oct. 18, 1952. O. G. Jan. 6.

Vitamin-mineral tablets. R. M. Spangler. 568,807, Jan. 6; Serial No. 617,891, published Sept. 30, 1952.

Vitamin pills and medicinal preparation. Dome Chemicals, Inc. 568,798, Jan. 6; Serial No. 616,595, published Sept. 30, 1952.

Vitamin preparation. Parke, Davis & Company. 568,927, Jan. 6; Serial No. 630,148, published Oct. 14, 1952.

X-ray diagnostic medium. Schering Corporation. 568,757, Jan. 6; Serial No. 610,466, published Oct. 21, 1952.

CLASS 19

Gasoline-trucks. Kentucky Wagon Manufacturing Co. 117,447, July 10, 1917. Republished Jan. 6.

CLASS 21

Electric blankets. Textron Incorporated. 568,893, Jan. 6; Serial No. 626,481, published Sept. 30, 1952.

Electric lighting fixtures. Imperial Lighting Products Company, Inc. 568,752, Jan. 6; Serial No. 609,925, published Sept. 23, 1952.

Electric-motor driven vacuum cleaner, blower and sprayer, etc. H. D. Hudson Manufacturing Company. 568,736, Jan. 6; Serial No. 603,792, published Aug. 12, 1952.

Electric motors. The Delta Manufacturing Company. 398,952, Dec. 8, 1942. Republished Jan. 6.

Electrical recording and reproducing apparatus. Daystrom, Incorporated. 568,892, Jan. 6; Serial No. 626,445, published Sept. 30, 1952.

Electrically heated water heaters. Clayton & Lambert Manufacturing Company. 568,890-1, Jan. 6; Serial Nos. 620,442-3, published Sept. 23, 1952.

Fluorescent lighting reflectors. Benjamin Electric Manufacturing Company. 568,680, Jan. 6; Serial No. 523,734, published Feb. 19, 1952.

Hand-held feed-through rheostat electric switches. Casco Products Corporation. 568,767, Jan. 6; Serial No. 611,471, published Sept. 30, 1952.

Insulated wires and cables. The Okonite Company. 296,335, renewed Aug. 2, 1952. O. G. Jan. 6.

Insulated wires and cables. The Okonite Company. 299,502, renewed Dec. 6, 1952. O. G. Jan. 6.

Insulated wires and cables. The Okonite Company. 299,792-4, renewed Dec. 20, 1952. O. G. Jan. 6.

Loud-speaker apparatus. J. C. H. Branson. 568,813, Jan. 6; Serial No. 618,441, published Sept. 30, 1952.

Prime movers of the electrical type. P. Trombetta. 568,760-1, Jan. 6; Serial Nos. 610,595-6, published Sept. 23, 1952.

Radio, electrical and electronic equipment. Srepco. 568,898, Jan. 6; Serial No. 576,664, published Sept. 30, 1952.

Storage batteries, Vehicle. The Dayton Rubber Company. 568,900, Jan. 6; Serial No. 626,659, published Sept. 30, 1952.

Telephone answering apparatus and electronic sound recording and reproducing apparatus. Electronic Secretary Industries, Inc. 568,705, Jan. 6; Serial No. 582,129, published Jan. 22, 1952.

Television antenna masts. Telrex Inc. 568,963, Jan. 6; Serial No. 615,300.

Television receiving sets. Motorola, Inc. 568,802, Jan. 6; Serial No. 617,351, published Sept. 23, 1952.

Variable resistors. Clarostat Mfg. Co., Inc. 568,849, Jan. 6; Serial No. 622,773, published Sept. 23, 1952.

CLASS 22

Dolls, doll clothes, doll accessories, etc. M. Peres. 568,704, Jan. 6; Serial No. 579,647, published Oct. 21, 1952.

Flash hook holder and protector. The Gleebe Co. 568,870, Jan. 6; Serial No. 625,550, published Oct. 14, 1952.

Flash hooks, Bulk, snelled fish hooks. Wright & McGill Co. 568,797, Jan. 6; Serial No. 616,576, published Oct. 21, 1952.

Game, Educational board. G. S. Macvaugh. 568,854, Jan. 6; Serial No. 623,281, published Oct. 14, 1952.

Gut strings for rackets. Johnson Suture Corporation. 295,617, renewed July 5, 1952. O. G. Jan. 6.

Skates, Roller. D. P. Harris Hardware & Manufacturing Co., Inc. 297,691, renewed Sept. 27, 1952. O. G. Jan. 6.

CLASS 23

Addressing machines and attachments therefor. Adrema Limited. 568,703, Jan. 6; Serial No. 579,368, published Sept. 23, 1952.

Batching plant for concrete constituents. The C. S. Johnson Company. 568,768, Jan. 6; Serial No. 615,119, published Sept. 16, 1952.

Carriage for use in hitching various soil cultivating implements to a garden tractor. S. S. Mella. 568,689, Jan. 6; Serial No. 563,352, published Sept. 16, 1952.

Drill bits, augers, drill heads, etc. Central Mine Equipment Company. 568,727, Jan. 6; Serial No. 599,093, published Sept. 16, 1952.

Grading and material handling and loading attachments for tractors. Athley Truss Wheel Co. 353,899, Dec. 24, 1940. Republished Jan. 6.

Hydraulic loaders, hydraulic pumps, etc. Ulrich Manufacturing Company. 568,710, Jan. 6; Serial No. 583,087, published Sept. 5, 1952.

Hydropneumatic accumulators and parts thereof, and pneumatic tools. S. M. Kipp. 444,746, Jan. 6; Serial No. 520,711, published Sept. 30, 1952.

Internal combustion engines and power transmissions. Marmon-Herrington Company, Inc. 438,408, Apr. 20, 1948. Republished Jan. 6, 1953.

Knives and carvers; etc. Table. Friedr. Herder Abr. Sohn. 300,084, renewed Jan. 3, 1953. O. G. Jan. 6.

Lithographic printing machinery. Rentco Incorporated. 568,738, Jan. 6; Serial No. 603,942, published Sept. 16, 1952.

Loop farming implements. The Slinger Manufacturing Company. 300,977, renewed Feb. 14, 1953. O. G. Jan. 6.

Manifolds for internal combustion engines, overdrive transmissions, etc. Hessler Manufacturing Company. 568,709, Jan. 6; Serial No. 585,067, published Sept. 16, 1952.

Pulleys. The Dayton Rubber Manufacturing Company. 297,677, renewed Sept. 27, 1952. O. G. Jan. 6.

Razors. Osborne Garrett & Co. 58,019, re-renewed Aug. 20, 1952. O. G. Jan. 6.

Razors and razor blades. F. A. Hart. 568,951, Jan. 6; Serial No. 537,453.

Saws. Simonds Manufacturing Company. 89,509, Dec. 17, 1912. Republished Jan. 6.

Saws, saw handles, inserted saw teeth, etc. Henry Diaston & Sons, Incorporated. 89,631, Dec. 31, 1912. Republished Jan. 6.

Sheet feeding and impression rollers for rotary duplicating and like machines. A. B. Dick Company. 298,738, renewed Nov. 1, 1952. O. G. Jan. 6.

Tire-buffing machine. Gray Company, Inc. 568,747, Jan. 6; Serial No. 609,550, published Sept. 16, 1952.

CLASS 24

Press pads and covers. United States Hoffman Machinery Corporation. 568,766, Jan. 6; Serial No. 611,386, published Oct. 7, 1952.

Stretching dryer rack. Donaco Plastics Corporation. 568,699, Jan. 6; Serial No. 578,494, published Oct. 21, 1952.

CLASS 25

Padlocks. The Yale & Towne Manufacturing Co. 568,683, Jan. 6; Serial No. 538,221, published Oct. 14, 1952.

Padlocks and keys therefor. Independent Lock Company. 568,836, Jan. 6; Serial No. 626,293, published Oct. 14, 1952.

CLASS 26

Chemical, scientific, and laboratory glassware. Kimble Glass Company. 296,881, Aug. 18, 1932. Republished Jan. 6.

Eyeglass lenses. P. V. Drimmelen. 568,952, Jan. 6; Serial No. 561,978.

Linear measuring callipers for machinists. Aktlebolaget Baltic. 568,933, Jan. 6; Serial No. 564,090.

Photographic film holders. Folmer Graflex Corporation. 312,604, May 1, 1934. Republished Jan. 6.

Photographic films. Agfa Ansco Corporation. 298,238, renewed Oct. 18, 1952. O. G. Jan. 6.

Pressure correcting gas meters. Pittsburgh Equitable Meter Company. 300,090, renewed Jan. 3, 1953. O. G. Jan. 6.

Retainers for eyeglasses. Penny Pendleton, Inc. 568,954, Jan. 6; Serial No. 579,941.

CLASS 27

Bracelet watches and their attached bracelets. Bulova Watch Company, Inc. 299,810, renewed Dec. 27, 1952. O. G. Jan. 6.

Clocks and watches. General Time Corporation. 568,816, Jan. 6; Serial No. 618,780, published May 6, 1952.

Clocks, electric. Walgreen Co. 298,444, renewed Oct. 25, 1952. O. G. Jan. 6.

CLASS 28

Bracelets, earrings, necklaces, etc. Federated Department Stores, Inc. 568,862, Jan. 6; Serial No. 624,822, published Sept. 30, 1952.

Bracelets, watch. Spidel Corporation. 568,851, Jan. 6; Serial No. 623,018, published Sept. 23, 1952.

Bracelets, watch. Spidel Corporation. 568,855, Jan. 6; Serial No. 623,377, published Sept. 23, 1952.

Bracelets, watch. Spidel Corporation. 568,878, Jan. 6; Serial No. 625,828, published Sept. 30, 1952.

Jewelry. Troob-Gordon Co. 568,790, Jan. 6; Serial No. 616,739, published Sept. 30, 1952.

Jewelry. W. & H. Jewelry Company. 568,800, Jan. 6; Serial No. 616,744, published Oct. 7, 1952.

Jeweled clasp. W. M. Brady. 568,742, Jan. 6; Serial No. 605,377, published Sept. 30, 1952.

Jewelry, costume. D. Jacobs. 568,868, Jan. 6; Serial No. 625,313, published Sept. 30, 1952.

Jewelry, pearl. Joseph H. Meyer Bros. 568,718, Jan. 6; Serial No. 595,974, published Sept. 30, 1952.

Pearls, cultured. Paley & Thomas, Inc. 568,825, Jan. 6; Serial No. 619,847, published Sept. 30, 1952.

Rings, finger. Phil G. Ruvelson, Inc. 568,784, Jan. 6; Serial No. 614,846, published Sept. 23, 1952.

Rings, finger, and bracelets. Donald Barry Productions, Inc. 568,805, Jan. 6; Serial No. 617,853, published Sept. 23, 1952.

Rings, finger, brooches, bracelets, etc. Schuman & Donchl, Inc. 322,108, Feb. 26, 1935. Republished Jan. 6.

Sorority pins, finger rings, and badges. Theta Sigma Upsilon Sorority. 568,830, Jan. 6; Serial No. 620,699, published Sept. 23, 1952.

Sterling silver table ware. The International Silver Company. 568,857, Jan. 6; Serial No. 623,962, published Sept. 30, 1952.

Trays or coasters made partly of sterling silver and partly of china. The Ellmore Silver Co., Inc. 568,732, Jan. 6; Serial No. 601,351, published Oct. 7, 1952.

CLASS 29

Cellular rubber cosmetic applicators to the nature of powder puffs. Juva-Tex, Inc. 568,804, Jan. 6; Serial No. 617,665, published Oct. 14, 1952.

CLASS 33

Glass, mirrored. Parallel Manufacturing Corporation. 568,966, Jan. 6; Serial No. 616,121.

CLASS 34

Heating apparatus or appliances. The Estate Stove Company. 298,118, renewed Oct. 11, 1952. O. G. Jan. 6.

CLASS 37

Chalk crayon. Binney & Smith Company. 568,856, Jan. 6; Serial No. 623,870, published Oct. 7, 1952.

Diaries. Donovan Enterprises. 568,845, Jan. 6; Serial No. 622,148, published Oct. 7, 1952.

Facial tissues, toilet tissues, and paper towels. Modern Tissues Corp. 568,764, Jan. 6; Serial No. 611,138, published Oct. 7, 1952.

Letter heads, partially printed statement sheets, partially printed labels, etc. R. L. Meyer. 568,707-8, Jan. 6; Serial Nos. 584,501-2, published Oct. 7, 1952.

Mailing envelopes, writing paper. A. J. Hackl. 568,867, Jan. 6; Serial No. 625,266, published Oct. 7, 1952.

Napkins, paper. Erving Paper Mills. 568,853, Jan. 6; Serial No. 623,187, published Oct. 7, 1952.

Paper, bond. Saxon Paper Products Inc. 568,846, Jan. 6; Serial No. 622,228, published Oct. 7, 1952.

Paper, greaseproof and imitation parchment. Riegel Paper Corporation. 296,365, Aug. 2, 1932. Republished Jan. 6.

Paper napkins, paper fruit wrappers, waxed paper, etc. Fernstrom Paper Mills, Inc. 568,731, Jan. 6; Serial No. 601,320, Oct. 7, 1952.

Paper napkins, toilet paper, and paper towels. Erving Paper Mills. 568,887, Jan. 6; Serial No. 626,318, published Oct. 7, 1952.

Paper, reinforced. American Reinforced Paper Company. 568,686, Jan. 6; Serial No. 553,058, published Oct. 7, 1952.

Paper towels and toilet tissue. West Disinfecting Company. 568,868, Jan. 6; Serial No. 625,176, published Oct. 7, 1952.

Partially printed business forms. Ditto, Incorporated. 568,795, Jan. 6; Serial No. 615,927, published Oct. 7, 1952.

Pencils, boxes of. Donald Barry Productions, Inc. 568,806, Jan. 6; Serial No. 617,857, published Oct. 7, 1952.

Pencils, nonmechanical. Kingston Pencil Corporation. 568,847, Jan. 6; Serial No. 622,546, published Oct. 7, 1952.

Pens, fountain, mechanical pencils, and ball point pens. W. A. Sheaffer Pen Company. 568,740, Jan. 6; Serial No. 604,268, published Oct. 7, 1952.

Unsensitized photographic paper. The Autotype Company Limited. 568,883, Jan. 6; Serial No. 626,071, published Oct. 14, 1952.

Wallpaper. United Wallpaper, Inc. 568,808, Jan. 6; Serial No. 618,016, published Oct. 7, 1952.

CLASS 38

Printed matter. R. H. Wilder. 297,573, renewed Sept. 20, 1952. O. G. Jan. 6.

CLASS 39

Blouses, dresses, and negligee shirts, etc. Boys' and youths'. M. Phillips & Sons. 87,363, re-renewed July 9, 1952. O. G. Jan. 6.

Collars. Avastia Reed Limited. 88,788, re-renewed Oct. 22, 1952. O. G. Jan. 6.

Diapers. Johnson & Johnson. 298,562, renewed Nov. 1, 1952. O. G. Jan. 6.

Felt and straw hats and cloth caps, men's silk hats, etc. Men's and boys'. John B. Stetson Company. 298,860, Nov. 8, 1932. Republished Jan. 6.

Hosiery and underwear. W. H. Fake. 298,267, renewed Oct. 18, 1952. O. G. Jan. 6.

Overall garments, child's tailored. L. Plotsky. 297,542, Sept. 20, 1952. Republished Jan. 6.

Overalls, pants, one-piece work suits, play suits. Cowden Manufacturing Company. 272,360, July 8, 1930. Republished Jan. 6.

Shirts and pajamas, men's and boys' negligee. Phillips-Jones Corporation. 297,177, renewed Sept. 6, 1952. O. G. Jan. 6.

Shirts, dress, negligee, and work, night-shirts, etc. M. Phillips & Sons. 88,111, re-renewed Aug. 27, 1952. O. G. Jan. 6.

Shirts, work and negligee, night-shirts, pajamas, etc. M. Phillips & Sons. 87,364, re-renewed July 9, 1952. O. G. Jan. 6.

CLASS 41

Umbrella-rib tips. R. H. Morton. 568,960, Jan. 6; Serial No. 611,295.

CLASS 42

Cotton carpeting. E. T. Barwick. 568,901-2, Jan. 6; Serial Nos. 626,777-8, published Oct. 14, 1952.

Draperies and curtains, window. Cameo Curtains Inc. 568,912, Jan. 6; Serial No. 627,623, published Oct. 14, 1952.

Fabric in the piece. Chienpee Mills, Inc. 568,831, Jan. 6; Serial No. 620,801, published Oct. 14, 1952.

Fabrics in the piece, textile. Crown Fabrics Corporation. 568,905, Jan. 6; Serial No. 626,843, published Oct. 14, 1952.

Fabrics, knitted textile. Fair Tex Mills, Inc. 568,897, Jan. 6; Serial No. 626,613, published Oct. 14, 1952.

Fabric, poplin. Angelica Uniform Company. 568,909, Jan. 6; Serial No. 627,481, published Oct. 14, 1952.

Piece goods. Courtaulds Limited. 299,343, renewed Nov. 29, 1952. O. G. Jan. 6.

Piece goods, cotton. Mob Export Co. Inc. 568,913, Jan. 6; Serial No. 627,634, published Oct. 14, 1952.

Piece goods, cotton. United Hosiery Mills Corporation. 568,932, Jan. 6; Serial No. 630,814, published Oct. 14, 1952.

Piece goods, cotton. Wamsutta Mills. 568,828, Jan. 6; Serial No. 620,181, published Oct. 14, 1952.

Piece goods, rayon. William Heiler, Inc. 568,877, Jan. 6; Serial No. 625,801, published Oct. 14, 1952.

Sheets, bed. Wamsutta Mills. 568,812, Jan. 6; Serial No. 618,252, published Oct. 14, 1952.

CLASS 43

Thread and yarn, artificial silk. Eastman Kodak Company. 298,573, renewed Nov. 1, 1952. O. G. Jan. 6.

CLASS 44

Forceps. F. Veglia. 300,311, renewed Jan. 10, 1953. O. G. Jan. 6.

Hearing aids. Normatone Hearing Aid Co. 568,827, Jan. 6; Serial No. 620,011, published Oct. 14, 1952.

Hypodermic needles. J. Bishop & Company Platinum Works. 568,900, Jan. 6; Serial No. 621,195.

Prophylactic rubber articles. The Killian Manufacturing Co. 299,500-1, renewed Dec. 6, 1952. O. G. Jan. 6.

Prophylactic rubber articles. Youngs Rubber Corporation, Inc. 299,066, renewed Nov. 22, 1952. O. G. Jan. 6.

CLASS 45

Beverages, non-alcoholic maltless. The Delaware Punch Company of America. 568,722, Jan. 6; Serial No. 597,134, published Sept. 23, 1952.

Carbonated water. Pacific Brewing and Maltting Co. 568,771, Jan. 6; Serial No. 612,927, published Sept. 23, 1952.

Cider, sweet apple. Indian Summer, Inc. 568,837, Jan. 6; Serial No. 621,004, published Sept. 23, 1952.

Concentrate used in making an orange-flavored maltless soft drink. J. Marn. 568,858, Jan. 6; Serial No. 624,143, published Sept. 23, 1952.

Soft drink, non-carbonated, non-alcoholic maltless, and a concentrate. K. C. Spielmann. 568,776, Jan. 6; Serial No. 613,887, published Sept. 23, 1952.

Soft drinks, non-alcoholic maltless, and essences, syrups and essential oils. Mynor Pty. Limited. 568,694, Jan. 6; Serial No. 575,916, published Sept. 23, 1952.

CLASS 46

Apple candy confection. H. P. Hanson & Company. 297,904, renewed Oct. 4, 1952. O. G. Jan. 6.

Bacon. Oscar Mayer & Co., Inc. 568,743, Jan. 6; Serial No. 605,910, published Sept. 30, 1952.

Bacon, sausage, cured ham, etc. The Smithfield Packing Company, Incorporated. 568,890, Jan. 6; Serial No. 626,644, published Oct. 7, 1952.

Candies. Henry Heide, Incorporated. 568,774, Jan. 6; Serial No. 613,372, published Sept. 23, 1952.

Candies, assorted. The Ohio Confection Company. 568,754, Jan. 6; Serial No. 610,091, published Oct. 7, 1952.

Candy. J. B. Downey. 568,777, Jan. 6; Serial No. 613,907, published Sept. 16, 1952.

Candy. Stephen F. Whitman & Son, Inc. 568,690-1, Jan. 6; Serial Nos. 565,070-1, published Sept. 23, 1952.

Candy and cookies. Leaf Brands, Inc. 568,914, Jan. 6; Serial No. 627,690, published Oct. 7, 1952.

Canned fruits, and canned vegetables. Consolidated Growers Corporation. 568,730, Jan. 6; Serial No. 600,745, published Oct. 7, 1952.

Canned pears. Yakima County Horticultural Union. 568,882, Jan. 6; Serial No. 626,066, published Sept. 23, 1952.

Canned peas. Oconomowoc Canning Company. 568,687, Jan. 6; Serial No. 559,044, published Oct. 14, 1952.

Canned salmon. New England Fish Company. 568,876, Jan. 6; Serial No. 625,686, published Sept. 23, 1952.

Canned tuna fish. Mei Fung Company. 568,908, Jan. 6; Serial No. 627,346, published Sept. 30, 1952.

Cheese. Ab Walla Gard. 568,717, Jan. 6; Serial No. 595,524, published Sept. 30, 1952.

Chemical composition for use in curing meats. Meat Industry Suppliers, Inc. 568,964, Jan. 6; Serial No. 615,841.

Chicory. Fresh Belgian. Pierre B. Signore Co., Inc. 568,850, Jan. 6; Serial No. 623,015, published Sept. 23, 1952.

Cocktail sauce and tartar sauce. G. H. Christiansen. 568,910, Jan. 6; Serial No. 627,495, published Sept. 30, 1952.

Coffee. Fleetwood Coffee Co. 568,921, Jan. 6; Serial No. 628,084, published Oct. 7, 1952.

Coffee. Van Rooy Coffee Co., Inc. 299,473, renewed Dec. 6, 1952. O. G. Jan. 6.

Coffee, instant. Dry-Freeze Corporation. 568,861, Jan. 6; Serial No. 624,779, published Sept. 23, 1952.

Confectionery topping material and imitation flavoring. The Central Ohio Supply Co. 568,693, Jan. 6; Serial No. 573,707, published Sept. 23, 1952.

Confections, frozen. Frozen Confections, Inc. 299,470, Dec. 6, 1952. Republished Jan. 6.

Creamery products. Borden's Milk Products Company, Inc. 300,943, renewed Feb. 14, 1953. O. G. Jan. 6.

Dates. W. Hills, Jr. 89,656, re-renewed Dec. 31, 1952. O. G. Jan. 6.

Feed, mixed. The Larowe Milling Co. 90,351, re-renewed Feb. 18, 1953. O. G. Jan. 6.

Feeds, hog, dairy feed, poultry feed, etc. Lipscomb Grain & Feed Co. Inc. 568,781, Jan. 6; Serial No. 614,257, published Oct. 7, 1952.

Flour, wheat. Acme-Evans Company, Inc. 568,745, Jan. 6; Serial No. 607,082, published Oct. 7, 1952.

Flour, wheat. Preston-Spafford Milling Co. 568,692, Jan. 6; Serial No. 671,091, published Apr. 8, 1952.

Food specialties. Vollmer's Food Specialties, Inc. 568,798, Jan. 6; Serial No. 614,630, published Sept. 30, 1952.

Fresh parsley. H. S. La Poff. 568,906, Jan. 6; Serial No. 626,890, published Oct. 7, 1952.

Fruits, fresh deciduous, and vegetables. John Jacobs Co. 291,712, Feb. 23, 1932. Republished Jan. 6.

Herring fillets, smoked salmon, pickled fish, etc. Schachtel Mercantile Company. 568,822, Jan. 6; Serial No. 619,475, published Oct. 14, 1952.

Ice cream. Foremost Dairy Products, Incorporated. 301,366, renewed Feb. 28, 1953. O. G. Jan. 6.

Ice cream. Safeway Stores, Inc. 568,922, Jan. 6; Serial No. 628,296, published Oct. 7, 1952.

Macaroni. F. Voiello. 568,884, Jan. 6; Serial No. 626,183, published Sept. 23, 1952.

Milk, cream, butter, etc. Henry Becker & Son, Inc. 301,828, renewed Mar. 14, 1953. O. G. Jan. 6.

Mixture of distillers dried grains and solubles. National Distillers Products Corporation. 568,737, Jan. 6; Serial No. 603,808, published Oct. 7, 1952.

Peanut butter, salted nut meats and candy. John W. Leavitt Company. 568,751, Jan. 6; Serial No. 609,685, published Oct. 7, 1952.

Popcorn, raw. Ed. F. Mangelsdorf and Bro., Inc. 568,955, Jan. 6; Serial No. 581,338.

Pop corn, raw, and popped pop corn. L. E. Stine. 568,726, Jan. 6; Serial No. 598,769, published Oct. 7, 1952.

Raisins, dried, and dried fruits. Sun Maid Raisin Growers of California. 297,021, renewed Aug. 30, 1952. O. G. Jan. 6.

Salads, sandwiches, cakes, etc. Old Danmark, Inc. 568,950, Jan. 6; Serial No. 592,719.

Salt. Morton Salt Company. 568,684, Jan. 6; Serial No. 640,719, published Sept. 30, 1952.

Starch for food purposes. A. E. Staley. 30,146, re-renewed Oct. 28, 1952. O. G. Jan. 6.

Sugar, refined. American Molasses Company. 568,811, Jan. 6; Serial No. 618,193, published Sept. 23, 1952.

Syrup, table. Robinson Syrup Co. Inc. 568,711, Jan. 6; Serial No. 587,976, published Oct. 7, 1952.

Vegetable pure food ice and sherbet stabilizer. Joe Lowe Corporation. 299,169, Nov. 22, 1932. Republished Jan. 6.

CLASS 47

Wines. Del Valle Distributing Co. 321,157, Jan. 22, 1935. Republished Jan. 6.

Wines. Flagstaff Foods. 568,758, Jan. 6; Serial No. 610,547, published Sept. 23, 1952.

CLASS 48

Ale and beer. Narragansett Brewing Company. 568,729, Jan. 6; Serial No. 600,185, published Sept. 23, 1952.

Ale and porter. Molson's Brewery Limited. 568,889, Jan. 6; Serial No. 626,400, published Oct. 7, 1952.

Beer and ale. Atlas Brewing Company. 568,695, Jan. 6; Serial No. 576,030, published Sept. 23, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 49

Brandy, Aktieselskabet De Danske Spritfabrikker, 59,213, re-renewed Dec. 3, 1952. O. G. Jan. 6.
 Brandy, James B. Beam Distilling Co., 568,721, Jan. 6; Serial No. 596,153, published Sept. 23, 1952.
 Brandy, A. Lyon & Son, 568,848, Jan. 6; Serial No. 622,900, published Sept. 23, 1952.
 Vodka, James B. Beam Distilling Co., 568,720, Jan. 6; Serial No. 596,148, published Sept. 23, 1952.
 Whiskey, James B. Beam Distilling Co., 568,719, Jan. 6; Serial No. 596,147, published Sept. 23, 1952.
 Whiskey, G. F. Heublein & Bro., Inc., 568,741, Jan. 6; Serial No. 604,911, published Sept. 23, 1952.
 Whiskey, Scotch, J. & J. Grant, Glen Grant, Limited, 568,702, Jan. 6; Serial No. 579,099, published Sept. 23, 1952.
 Whisky, The Glendronach Distillery Company Limited, 501,735, renewed Mar. 14, 1953. O. G. Jan. 6.
 Whisky, Scotch, Glenfarrhes Glenlivet Distillery Co. Limited, 292,524, renewed Mar. 15, 1952. O. G. Jan. 6.
 Whisky, Scotch, Grierison, Oldham & Co. Ltd., 568,778, Jan. 6; Serial No. 613,987, published Sept. 23, 1952.

CLASS 50

Altar sets, A. P. Lindblad, 589,740, Jan. 6; Serial No. 607,389, published Oct. 7, 1952.
 Traffic marker, Radiator Specialty Company, 568,972, Jan. 6; Serial No. 630,348.

CLASS 51

All purpose deep cream, astringent lotion, compressed face powder, etc., M. MacGregor, 568,749, Jan. 6; Serial No. 609,597, published Sept. 30, 1952.
 Bath salts, bath salts tablets, perfume, etc., Yardley & Company Limited, 298,226, Oct. 18, 1932. Republished Jan. 6.
 Bath salts, Reducing, Dr. Pierre Chemical Company, 297,856, renewed Oct. 4, 1952. O. G. Jan. 6.
 Disposable cleansing cloths moistened with witch-hazel solution, W. A. Fandler, 568,821, Jan. 6; Serial No. 610,460, published Oct. 14, 1952.
 Face powder, preparations for treating the skin and toilet, cleansing, vanishing and cold cream, Daggett & Ramsdell, 297,827, renewed Oct. 4, 1952. O. G. Jan. 6.
 Face powder with sulfur, talcum powder with sulfur, and medicated face cream, Marcelle Cosmetics, Inc., 568,779, Jan. 6; Serial No. 614,089, published Oct. 21, 1952.
 Hair coloring, I. A. Popelowsky, 568,841, Jan. 6; Serial No. 621,478, published Sept. 30, 1952.
 Hair conditioner, and hair wave set, V. Clayson, 568,840, Jan. 6; Serial No. 621,388, published Sept. 30, 1952.
 Hair dressing, W. D. Gahjen, 568,961, Jan. 6; Serial No. 612,602.
 Hair tonic, J. S. Valcourt, 568,762, Jan. 6; Serial No. 610,361, published Sept. 23, 1952.
 Perfume and eau de cologne, Bourjols, Inc., 568,881, Jan. 6; Serial No. 620,020, published Sept. 30, 1952.
 Perfumery and perfumed preparations, C. A. and C. P. Gossnell, 12,420, July 21, 1885. Republished Jan. 6.
 Products to be applied to the face before and after shaving, E. Gantner, 568,785, Jan. 6; Serial No. 614,875, published Sept. 30, 1952.
 Shaving creams, The Mennen Company, 568,724, Jan. 6; Serial No. 597,771, published Oct. 7, 1952.
 Skin coating, liquid sun-filtering, F. Flitta, 568,780, Jan. 6; Serial No. 614,246, published Sept. 30, 1952.
 Skin cream, Lejon Freres, Inc., 568,880, Jan. 6; Serial No. 625,987, published Sept. 30, 1952.
 Toothpaste, C. A. Gossnell, 568,803, Jan. 6; Serial No. 617,579, published Sept. 30, 1952.

CLASS 52

Cleaner, cleanser and detergent, Sndslng. The Procter & Gamble Company, 568,869, Jan. 6; Serial No. 625,437, published Sept. 30, 1952.
 Cleaners and hand cleansers, Haas Miller Corporation, 568,873, Jan. 6; Serial No. 625,598, published Sept. 30, 1952.
 Cleaning and washing powder, H. R. Stevens, 568,715, Jan. 6; Serial No. 591,811, published Sept. 30, 1952.
 Cleanser, Hand, Rubberset Company, 568,860, Jan. 6; Serial No. 624,761, published Sept. 23, 1952.
 Cleanser, Liquid, Cutter Products, 568,701, Jan. 6; Serial No. 568,915, published Oct. 7, 1952.
 Cream shampoo and liquid shampoo, Amole, Incorporated, 568,835, Jan. 6; Serial No. 620,991, published Sept. 30, 1952.
 Detergent, Metal, Haas Miller Corporation, 568,872, Jan. 6; Serial No. 625,593, published Sept. 30, 1952.
 Detergents, E. F. Drew & Co., Inc., 568,735, Jan. 6; Serial No. 601,717, published Oct. 14, 1952.
 Detergents and soaps, Fuld Brothers, Inc., 568,739, Jan. 6; Serial No. 604,090, published Oct. 14, 1952.
 Dry cleaner preparation, H. Behlen & Bro., Inc., 360,730, renewed Feb. 7, 1953. O. G. Jan. 6.
 Liquid detergents, solid detergents, soap bases, etc., Peck's Products Company, 568,823, Jan. 6; Serial No. 619,645, published Oct. 14, 1952.
 Soap, Perfumed and other kinds of, and soap powder, John Gossnell & Company Limited, 107,783, Dec. 28, 1915. Republished Jan. 6.
 Soap, Toilet, Yardley & Company Limited, 298,376, Oct. 25, 1932. Republished Jan. 6.
 Soap, Johnson & Johnson, 88,088, re-renewed Aug. 27, 1952. O. G. Jan. 6.

CLASS 100

Registering calves, colts, kids, etc., L. W. Blair, 568,948, Jan. 6; Serial No. 608,118, published Oct. 14, 1952.
 Services in the nature of escorted camping trips, Camp-Inc, Inc., 568,949, Jan. 6; Serial No. 613,116, published Oct. 14, 1952.

CLASS 102

Making home loans, accepting savings for deposits, etc., The Minneapolis Savings and Loan Association, 568,947, Jan. 6; Serial No. 608,120, published Oct. 14, 1952.

CLASS 103

Laundry services, G & K Corporation, 568,975, Jan. 6; Serial No. 612,999.

CLASS 104

Radio broadcasting, South Shore Broadcasting Company, 568,950, Jan. 6; Serial No. 610,040, published Oct. 14, 1952.

CLASS 106

Custom fabrication of containers, General Box Company, 568,943, Jan. 6; Serial No. 602,685, published Oct. 14, 1952.
 Processing of natural or artificial fabrics, Progressive Silk Finishing Company, 568,974, Jan. 6; Serial No. 611,974.

CLASS 107

Entertainment services, Lester Lewis Associates, 568,973, Jan. 6; Serial No. 604,440.
 Entertainment through the medium of an integrated series of dramatic radio program broadcast, Phillips H. Lord, Inc., 568,944-6, Jan. 6; Serial Nos. 608,115-17, published Oct. 14, 1952.

LIST OF DESIGN PATENTEEES

Arant, Narvelle, Larkspur, assignor to Arant Plastics, Inc., San Francisco, Calif. Helmet or the like. 168,527, Jan. 6.
 Arant Plastics, Inc., assignee: See—
 Arant, Narvelle.
 Back, Frank G., New York, N. Y. Testing device for optical lenses and the like. 168,528, Jan. 6.
 Baker, Melvin R. and D. K. Williams, assignors to Williams Manufacturing Co. Inc., Anaheim, Calif. Tie rack. 168,529, Jan. 6.
 Bethesda Pastry Shops, Inc., assignee: See—
 Patrick, Kenneth A.
 Black, John S., Santa Monica, Calif. Combined yarn bobbin and needle size gauge. 168,530, Jan. 6.
 Brudny, Donald L., Omaha, Nebr. Pen or similar article. 168,531, Jan. 6.
 Carlson, Elmer F., Chicago, Ill. Display rack. 168,532, Jan. 6.
 Chamberlain, Clyde E., assignor to Gift Service, Inc., Medford, Ore. Combined display case and order box. 168,533, Jan. 6.
 Columbia Plastic Products, Inc., assignee: See—
 Roop, Nathan W.
 Coro, Inc., assignee: See—
 Katz, Adolph.
 Council, John M., Wananish, N. C. Combined wedge and spur for logging operations and the like. 168,534, Jan. 6.
 Conase, Kibbey W., Newark, N. J. Machine shop trailer. 168,535, Jan. 6.
 Couase, Kibbey W., Newark, N. J. Mobile machine shop trailer. 168,536, Jan. 6.
 Dodge, Inc., assignee: See—
 Santner, John A.
 Draut, Ralph H.: See—
 Van Zelm, Willem D., Wentz, and Draut.
 Drama Manufacturing Company, Inc., assignee: See—
 Saccone, John V.
 Fanson, Emil C., Inglewood, Calif. Decorative lamp. 168,537, Jan. 6.
 Freese, David, Sun Valley, and E. L. Schwartz, Los Angeles, Calif. Door handle guard. 168,538, Jan. 6.
 Freese, David, Sun Valley, and E. L. Schwartz, Los Angeles, Calif. Door handle guard. 168,539, Jan. 6.
 Friedman, Bernard, and S. Rosengarten, New York, N. Y. Appliqued fabric. 168,540, Jan. 6.
 Gift Service, Inc., assignee: See—
 Chamberlain, Clyde E.
 Gilles, Robert W., Sr., Mountain Home, Tenn. Ash tray. 168,541, Jan. 6.
 Grzeslowski, Charles W., St. Louis, Mo. Tie holder. 168,542, Jan. 6.
 Hardy, William H., New York, N. Y. Handbag. 168,543, Jan. 6.
 Hlaer, Roy L., Fort Worth, Tex. Hanger for clotheslines. 168,544, Jan. 6.
 Huch, Irene C., St. Paul, Minn. Pocketed bag for small articles. 168,545, Jan. 6.
 Hvale, James L.: See—
 Newman, Charles H., and Hvale.
 Iger, Emmerich T., New York, N. Y., and R. H. Wadsworth, South Orange, N. J. Magnifier and illuminator for viewing printed material and the like. 168,546, Jan. 6.
 International Harvester Company, assignee: See—
 Lee, Fred A.
 Ippolito, Domenick, Glendale, Calif. Game apparatus. 168,547, Jan. 6.
 Ish-Shalom, Samu-el, New York, N. Y. Monogrammed spectacle front. 168,548, Jan. 6.
 Ish-Shalom, Samu-el, New York, N. Y. Initialed spectacle front. 168,549, Jan. 6.
 Johnson, Olaf H., Oakland, Calif. Boat anchor. 168,550, Jan. 6.
 Jacoby-Bender, Inc., assignee: See—
 Rodriguez, Emil.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,551, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,552, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,553, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,554, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,555, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,556, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,557, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,558, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,559, Jan. 6.
 666 O. G.—20a

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,560, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,561, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 168,562, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,563, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,564, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,565, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,566, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,567, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,568, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,569, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,570, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,571, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,572, Jan. 6.
 Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,573, Jan. 6.
 Kerro, Steve, Indianapolis, Ind. Game board. 168,574, Jan. 6.
 Kux, Richard, Detroit, Mich. Magnetic thermometer. 168,575, Jan. 6.
 Lee, Fred A., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle front end assembly. 168,576, Jan. 6.
 Levelor Loranzen, Inc., assignee: See—
 Loranzen, Hans K.
 Levi, Melvin H., New York, N. Y. Drinking glass or the like. 168,577, Jan. 6.
 Livinson, Edwin R., Van Nuys, Calif. Electric megaphone. 168,578, Jan. 6.
 Lorenzen, Hans K., Montclair, N. J., assignor to Levelor Loranzen, Inc., New York, N. Y. End cap for a Venetian blind bottom bar. 168,579, Jan. 6.
 Lyon, George, Detroit, Mich. Wheel cover or similar article. 168,580, Jan. 6.
 Martin, Glenn L., Company, The, assignee: See—
 Trimble, George B., Jr.
 Van Zelm, Willem W., Wentz, and Draut.
 McInerney, James M.: See—
 McInerney, William K. and J. M.
 McInerney, William K. and J. M., Grand Rapids, Mich. Folding bed frame. 168,581, Jan. 6.
 McMorrow, Francis J., Stamford, Conn. Aquarium. 168,582, Jan. 6.
 Moorhead, Walter H.: See—
 Oros, John, and Moorhead.
 Muller-Munk, Peter, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation. Refrigerator cabinet. 168,583, Jan. 6.
 Newman, Charles H., Northfield, and J. L. Hvale, assignors to Teamakers, Inc., Chicago, Ill. Teapot or similar article. 168,584, Jan. 6.
 Nissen, Warren I., Basking Ridge, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 168,585, Jan. 6.
 Oros, John, and W. H. Moorhead, Cleveland, Ohio. Drum upender or similar article. 168,586, Jan. 6.
 Patrick, Kenneth A., assignor to Bethesda Pastry Shops, Inc., Bethesda, Md. Iced cake. 168,587, Jan. 6.
 Patrick, Kenneth A., assignor to Bethesda Pastry Shops, Inc., Bethesda, Md. Iced cake. 168,588, Jan. 6.
 Pavenick, Stanford, South Orange, N. J. Rearview mirror or similar article. 168,589, Jan. 6.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 168,590, Jan. 6.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 168,591, Jan. 6.
 Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 168,592, Jan. 6.
 Ponder, Raymond E., St. Louis, Mo. Dispensing device for granulated material. 168,593, Jan. 6.
 Remington Products Corporation, assignee: See—
 Wichansky, Samuel.
 Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 168,594, Jan. 6.

LIST OF DESIGN PATENTEES

Itsonson Art Metal Works, Inc., assignee: See—
Nissen, Warren I.
Itson, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Water sprinkling device or similar article. 168,595, Jan. 6.
Itsongarten, Sol: See—
Friedman, Bernard, and Rosengarten.
Kubel, Robert, New York, N. Y. Clasp device for a multiple strand bracelet or the like. 168,596, Jan. 6.
Sacccone, John V., Lodi, N. J., assignor to Drema Manufacturing Company, Inc. Expandable chain for a bracelet or the like. 168,597, Jan. 6.
Santner, John A., Skokie, assignor to Dodge, Inc., Chicago, Ill. Trophy or similar article. 168,598, Jan. 6.
Schwartz, Edwin L.: See—
Frees, David, and Schwartz.
Scott, Myron E., St. Paul, Minn. Building brick. 168,599, Jan. 6.
Seeber, Clarence, Toledo, Ohio. Separable fish scaling clamp or similar article. 168,600, Jan. 6.
Swanson, Everett A., Naval Base, S. C. Corner table or the like. 168,601, Jan. 6.
Swanson, Everett A., Naval Base, S. C. Corner table. 168,602, Jan. 6.
Teamsters, Inc., assignee: See—
Newman, Charles H., and Hvale.
Tett, Marian M., Vallejo, Calif. Combination deep freezer and buffet unit. 168,603, Jan. 6.
Trifari, Krussman & Fishel, Inc., assignee: See—
Phillippe, Alfred.
Trimble, George S., Jr., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 168,604, Jan. 6.
Van Zelm, Willem D., Ruston, R. K. Wentz, Baltimore, and R. H. Drant, Klogaville, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 168,605, Jan. 6.
Vincent-McCall Company, The, assignee: See—
Vincent, William W., Jr.
Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chair. 168,606, Jan. 6.
Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chair. 168,607, Jan. 6.
Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chair. 168,608, Jan. 6.
Wentz, Richard K.: See—
Van Zelm, Willem D., Wentz, and Draut.
Westinghouse Electric Corporation, assignee: See—
Muller-Munk, Peter.
Wichansky, Samuel, assignor to Remington Products Corporation, Elizabeth, N. J. Combined vaporizer casing and mounting bracket. 168,609, Jan. 6.
Williams, Dwayne K.: See—
Baker, Melvin R., and Williams.
Williams Manufacturing Co., Inc., assignee: See—
Baker, Melvin R., and Williams.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, John F. S., West Barrington, and C. J. Tappero, Bristol, R. I., assignors to United States Rubber Company, New York, N. Y. Insulated electrical conductor. 2,624,777, Jan. 6.
Acker, Edward L., Los Angeles, Calif. Can opener attachment. 2,624,110, Jan. 6.
Adams, Frank M.: See—
Caldwell, Clarence J., and Adams.
Adelson, David E.: See—
Pritzker, George G., and Adelson.
Affiliated Gas Equipment, Inc., assignee: See—
Erwin, Lee R., and Griffith.
Agriculture, United States of America as represented by the Secretary of, assignee: See—
Swern, Daniel.
Air-Shields, Inc., assignee: See—
Gibson, Samuel Y.
Alba, Ralph T.: See—
Wallerstein, James S., Hale, Alba, and Levy.
Algin Corporation of America, assignee: See—
Le Oloahec, Victor C. E.
Albright, James H., Seattle, Wash. Shaft pulley. 2,624,612, Jan. 6.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Pneumatic gauging device. 2,624,196, Jan. 6.
Allied Chemical & Dye Corporation, assignee: See—
Donagan, Joseph W.
Joris, George G.
McGraw, William J.
Park, Ralph S.
Allis-Chalmers Manufacturing Company, assignee: See—
Rockwell, Harvey W.
Allsup, John R., Sr., Port Orchard, Wash. Rotary vane motor or pump. 2,624,282, Jan. 6.
Almada, Frank: See—
Dixon, Howard B., and Almada.
Althausen, Paul, Brooklyn, N. Y. Shears. 2,624,114, Jan. 6.
Aluminum Laboratories, Limited, assignee: See—
Phillips, Norman W. F.
American Baler Company, The, assignee: See—
Seltzer, Robert E.
American Bosch Corporation, assignee: See—
Hogeman, Hans.
American Brake Shoe Company, assignee: See—
Jackson, Alexis E.
American Cyanamid Company, assignee: See—
Donofrio, Alfonso M.
Falconer, Stuart A.
Kaiser, Donald W.
Kirkpatrick, Alan F., and Stryker.
Kropa, Edward L., and Nyquist.
Stirn, Frank E.
Wilhousky, Vladimir J.
American Cystoscope Makers, Inc., assignee: See—
Wallace, Frederick J.
American Laundry Machinery Company, The, assignee: See—
Ketchum, Clarence A.
Taylor, James H.
American Metal Company, The, assignee: See—
Anderson, Philip K.
American Optical Company, assignee: See—
Davis, John K.
American Viscose Corporation, assignee: See—
McDermott, Henry J.
Amstutz, Albert, La Rue, Ohio. Poultry feeder. 2,624,311, Jan. 6.
Andersen, Edward G.: See—
Spina, James A., and Andersen.
Anderson, Chester S., St. Charles, Ill. Plumbing device for use in hanging wallpaper. 2,624,118, Jan. 6.
Anderson, David E., Shaker Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary fuel feed device. 2,624,558, Jan. 6.
Anderson, Eric E., Needham Heights, Mass., assignor, by means assignments, to National Pneumatic Co., Inc. Signalling switch device. 2,624,808, Jan. 6.
Anderson, John L., assignor to National Rejectors, Inc., St. Louis, Mo. Slug rejector scavenger. 2,624,438, Jan. 6.
Anderson, Philip K., Rahway, N. J., assignor to The American Metal Company, Ltd., New York, N. Y. Submerged blast reaction tank. 2,624,657, Jan. 6.
Anderson, Rugner E., Orofino, Idaho. Can puncturing device. 2,624,108, Jan. 6.
Andis Clipper Company, assignee: See—
Mullinger, Rudolph C.
Andrews, Harry C., Denver, Colo., and J. F. Gifford, Richland, Wash., assignors to the United States of America as represented by the United States Atomic Energy Commission. Remote control pipetting unit. 2,624,656, Jan. 6.
Andries, Alfonso M., Columbus, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Fluid impact pulverizer and separator. 2,624,516, Jan. 6.
Andrus, George, Minneapolis, Minn. Rocker convertible to nonrocking chair. 2,624,393, Jan. 6.
Anemostat Corporation of America, assignee: See—
Phillips, Leonard R.
Anglo-Iranian Oil Company Limited, assignee: See—
Lowson, Murray H.
Animal Trap Company of America, assignee: See—
Graybill, Hershey R.
Archer-Daniels Midland Company, assignee: See—
Small, Elmer C.
Arenberg, David L., Rochester, Mass., assignor, by means assignments, to the United States of America as represented by the Secretary of War. Solid delay line. 2,624,804, Jan. 6.
Arenberg, Stewart L., Collingswood, N. J., assignor to Radio Corporation of America. Reversible drive mechanism. 2,624,214, Jan. 6.
Armour Research Foundation of Illinois Institute of Technology, assignee: See—
Camras, Marvin.
Armstrong Cork Company, assignee: See—
Bezman, Irving I.
Bezman, Irving I., and Browning.
Hazelton, James E., Jr.
Hornberger, Clarence L.
Army, United States of America as represented by the Secretary of the, assignee: See—
Miller, August E.
Arneson, Floyd D., Klamath, Calif. Saw bar adjustment device. 2,624,379, Jan. 6.
Arnold, George H., executor: See—
Schroeder, Henry L.
Ashton, Richard A., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Apparatus for driving rotatable workpieces. 2,624,224, Jan. 6.
Askania Regulator Company, assignee: See—
Ziebold, Herbert.
Atkinson, Wallace E., Petersburg, Va. Fly awatter. 2,624,149, Jan. 6.
Atlas Press Company, assignee: See—
Cole, Clayton K.
Atwood, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity frequency shift reception. 2,624,834, Jan. 6.
Austin, Robert R., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrolytic titration cell. 2,624,701, Jan. 6.
Autocraft Mfg. Corp., assignee: See—
Gelles, William H., and Miller.
Automatic Locking Devices, Incorporated, assignee: See—
Spraragen, Louis.
Automatic Switch Co., assignee: See—
Churchill, Alan W., and Van Camp.
Avco Manufacturing Corporation, assignee: See—
Carpenter, John M.
Rickenbach, August W.
Babcock, Henry H., Oak Park, assignor to Conlon-Moore Corporation, Cicero, Ill. Ironing machine with reciprocating ironing shoe. 2,624,135, Jan. 6.
Babst, Otto, Berlin-Hasselhorst, assignor to Rotaprint Akt. Ges., Berlin, Germany. Mechanical movement. 2,624,204, Jan. 6.
Bader, William, Birmingham, assignor to Wesson Company, Ferndale, Mich. Toolholder. 2,624,103, Jan. 6.
Bailey Meter Company, assignee: See—
Johnson, Clarence.
Baker Castor Oil Company, The, assignee: See—
Smith, Malcolm K.
Baker Oil Tools, Inc., assignee: See—
Ragan, Thomas M.
Baker Perkins, Inc., assignee: See—
Irving, Henry F.
Baker, Thomas R., Sunnyvale, and E. J. Pagendam, San Mateo, assignors to Bemis-Jason Machine Co., San Francisco, Calif. Folding box machine. 2,624,248, Jan. 6.

Haker, Thomas R., Sunnyvale, and E. J. Pagendam, San Mateo, assignors to Bemis-Jason Machine Co., San Francisco, Calif. Blank feeding mechanism for folding box machines. 2,624,249, Jan. 6.

Haker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Arc hash analyzer by cathode-ray tube. 2,624,860, Jan. 6.

Halsiger, Harold E., assignor, by means assignments, to Landis Machine Company, Waynesboro, Pa. Grinding machine. 2,624,139, Jan. 6.

Hargen, William J., Waukegan, Ill. School desk. 2,624,392, Jan. 6.

Harrett, Robert S.: See—

Smith, Justin H., and Barrett.

Hartlam, Thomas C.: See—

Wiser, Douglas R., Bartlam, and Burke.

Hartling, Elmer, Arlington, Neb. Portable elevator for concrete mixers. 2,624,480, Jan. 6.

Batchelder, James W.: See—

Flanders, Ralph E., and Batchelder.

Bates, Julius S. W., assignee: See—

Tour, Sam.

Hauer, John K.: See—

Horn, Robert B., and Bauer.

Haumbeckel, Ralph E., Connersville, Ind., assignor to Link-Belt Company. Bearing. 2,624,643, Jan. 6.

Beaver Cloth Cutting Machines, Inc., assignee: See—

Fleisher, Harry.

Hecker, Howard I., Vlachery Ferry, N. Y., assignor to General Electric Company. Rheostat. 2,624,822, Jan. 6.

Beckwith, Russell, Rochester, N. Y. Bath seat lifting appliance. 2,624,053, Jan. 6.

Hedson, Noel P., Southport, England, assignor to Blaw-Knox Company, Pittsburgh, Pa. Cooling of the rod in rod rolling mills. 2,624,178, Jan. 6.

Beegle, Raymond E., East St. Louis, Ill. Eaves trough. 2,624,299, Jan. 6.

Bell Telephone Laboratories, Incorporated, assignee: See—

Rea, Wilton T.

Bemis Bro. Bag Co., assignee: See—

Kindaeth, Harold V.

Bemis-Jason Machine Co., assignee: See—

Baker, Thomas R., and Pagendam.

Bendix Aviation Corporation, assignee: See—

Brown, Jesse B.

Fricke, Guy C., and Schaffer.

Goepfrich, Rudolph A.

Miller, Donald L.

Bennett-Powell, John A., Tending, assignor to Fell Developments Limited, London, England. Compression ignition engine power plant. 2,624,849, Jan. 6.

Benson, Alfred B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Secondary time-keeping apparatus. 2,624,170, Jan. 6.

Bergfors, Carl A.: See—

Dickinson, Arthur H., Phelps, and Bergfors.

Beraworth, Frederick C., Verona, N. J. Metal ion chelating compounds consisting of mono phenyl poly alkylene polyamino polycarboxylic acids and salts. 2,624,756, Jan. 6.

Beraworth, Frederick C., Verona, N. J. Substituted alkyl alkylene diamino diacetic acids and salts. 2,624,757, Jan. 6.

Beraworth, Frederick C., Verona, N. J. Substituted mono alkyl alkylene polyamino polyacetic acids. 2,624,758, Jan. 6.

Beraworth, Frederick C., Verona, N. J. Substituted poly alkyl alkylene poly amino poly acetic acids and salts. 2,624,759, Jan. 6.

Beraworth, Frederick C., Verona, N. J. Hydroxy-aromatic alkylene di-imino di-acetic acids and salts. 2,624,760, Jan. 6.

Berthiez, Charles W., Paris, France. Locking device for toolholder carriage operating in both directions. 2,624,099, Jan. 6.

Reseler, Charles, Company, assignee: See—

Field, Philip M.

Bess, Leon, Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Object locating identification system. 2,624,873, Jan. 6.

Bestehorn, Heinrich H., Easton, Pa., and J. F. Morgan, Philadelphia, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Metallized ortho-hydroxy, ortho-amino monazo dyestuffs and their use in dyeing nylon. 2,624,633, Jan. 6.

Bettison, David C.: See—

Keaton, Frank H., and Bettison.

Beverman, Harry G., assignor to P. Beverman, Lincoln, and F. G. Whiteside, Springfield, Ill. Duck decoy support. 2,624,144, Jan. 6.

Beverman, Pearl, assignee: See—

Beverman, Harry G.

Berman, Irving I., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Flexible floor covering. 2,624,683, Jan. 6.

Berman, Irving I., Pittsburgh, and D. D. Browning, assignors to Armstrong Cork Company, Lancaster, Pa. Vinyl resin dispersions. 2,624,718, Jan. 6.

Bigelow, Maurice H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polymerizable polyester compositions. 2,624,714, Jan. 6.

Billa, Philip H., Longmeadow, J. A. Logan, Hadley, and T. J. Mesh, Easthampton, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Submerged solenoid operated pump. 2,624,491, Jan. 6.

Binder, William O., and R. A. Perkins, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Chromium steels. 2,624,670, Jan. 6.

Binder, William O., Niagara Falls, N. Y., and R. Franks, Pittsburgh, Pa., assignors to Union Carbide and Carbon Corporation. Ferritic chromium steels. 2,624,671, Jan. 6.

Binder, William O., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Ferritic chromium steels. 2,624,668, Jan. 6.

Blingenheimer, Melvin, East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,624,816, Jan. 6.

Bird, Charles, Dayton, Ohio. Apparatus for floating and finishing soft concrete. 2,624,260, Jan. 6.

Bird, Whitworth F., Swarthmore, Pa., and P. T. Bodell, Lynbrook, N. Y., assignors to Collins & Alkman Corporation, Philadelphia, Pa. Universal splining frame. 2,624,075, Jan. 6.

Bishop, Harold W., Essex, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,624,056, Jan. 6.

Bjorksten, Johan A., Madison, and J. B. Elsen, Waterloo, Wis., assignors to Monsanto Chemical Company, St. Louis, Mo. Nonelectrostatic synthetic resin material. 2,624,726, Jan. 6.

Blake, Edward S., Lexington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Dialkyl esters of glycol polycarboxylic acid esters. 2,624,754, Jan. 6.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom picking mechanism. 2,624,371, Jan. 6.

Blanco, Elias, and Z. Melnikoff, Los Angeles, Calif. Crayon sharpener. 2,624,316, Jan. 6.

Blattner, Emil H., Buffalo, assignor to The Symington-Gould Corporation, Depew, N. Y. Journal box lid. 2,624,642, Jan. 6.

Blaw-Knox Company, assignee: See—

Andriea, Alfonso M.

Hedson, Noel Phillips.

Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Heat insulating arrangement for a plurality of coaxial turbines having opposed flow through double-tier blading. 2,624,173, Jan. 6.

Blout, Elkan R., and J. E. Campbell, Cambridge, R. S. Corley, Boston, and P. L. Snow, assignors to Polaroid Corporation, Cambridge, Mass. Infrared band pass filter. 2,624,239, Jan. 6.

Blout, Elkan R., Cambridge, R. S. Corley, Boston, and P. L. Snow, assignors to Polaroid Corporation, Cambridge, Mass. Infrared band pass filter. 2,624,240, Jan. 6.

Bodell, Philip T.: See—

Bird, Whitworth F., and Bodell.

Boden, George L., Middle Haddam, and G. D. Wierper, Branford, assignors to The Merriam Manufacturing Company, Durham, Conn. Combined latch and lock. 2,624,191, Jan. 6.

Bodoh, Albinus G., Glenview, assignor to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,624,795, Jan. 6.

Boeing Airplane Company, assignee: See—

Butler, Van B.

Bogrow, Rose: See—

Everhart, Edgar, and Bogrow.

Boller, Dana, Burbank, Calif. Shirt and tie holder combination. 2,624,050, Jan. 6.

Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Choke valve control. 2,624,363, Jan. 6.

Hollhoefer, Franz W., Hammond, Ind. Elevating platform for typewriters. 2,624,535, Jan. 6.

Bolognino, Charles S., and S. M., Dearborn, Mich. Toy device for teaching multiplication tables. 2,624,126, Jan. 6.

Bolognino, Secondo M.: See—

Bolognino, Charles S., and S. M.

Boothe, Litta C., Santa Maria, Calif. Surgical appliance. 2,624,339, Jan. 6.

Borg, George W., Corporation, The, assignee: See—

Laing, Gordon F.

Van Allen, De Witt T.

Wickham, Parker B.

Borg-Warner Corporation, assignee: See—

Gamble, David E.

Ilyin, Boris P.

Boston, Frank E., assignor to The Pyramid Rubber Company, Ravenna, Ohio. Nurser. 2,624,485, Jan. 6.

Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Muffler with plural passages. 2,624,418, Jan. 6.

Bower Roller Bearing Company, assignee: See—

McMullan, Orin W.

Bowman, David F., Micoela, N. Y., assignor, by means assignments, to Hewlett-Packard Company, Palo Alto, Calif. Measuring system. 2,624,781, Jan. 6.

Boyer, Stanley C., Toronto, Ontario, Canada. Toy figure manipulating means. 2,624,155, Jan. 6.

Boyer, Myron H., Puente, Calif. Fluid flowmeter. 2,624,199, Jan. 6.

Brader, Stanley F., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Hydraulic steering system. 2,624,533, Jan. 6.

Brandley, William E.: See—

Cody, Albert I., and Brandley.

Brennan, Joseph B., Cleveland, Ohio. Acoustic diaphragm with flexible rim portion and rigid body portion. 2,624,417, Jan. 6.

Brichard, Edgar: See—

Henry, Georges L., and Brichard.

Brinnick, Frederick E.: See—

Frost, Frederick H.

Britten, Leslie F., Oshey, Watford, R. O. Jenkins, Wembley, and J. Moss, North Wembley, assignors to The General Electric Company Limited, London, England. Dispersed getter element and manufacture thereof. 2,624,450, Jan. 6.

Brock, Harold L., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Farm tractor. 2,624,257, Jan. 6.

Broeren, Frank L., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Dispensing package. 2,624,521, Jan. 6.

Brown-Brockmeyer Company, The, assignee: See—

Gayer, John D.

Brown, Edward G., and D. W. Miller, Lakewood, Ohio. Garbage disposal device. 2,624,515, Jan. 6.

Brown, Frank K., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Fastener with slotted pilot portion. 2,624,228, Jan. 6.

Brown, Jesse B., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve for controlling fluid to a plurality of devices. 2,624,361, Jan. 6.

Brown, Merle M., Princeton, assignor, by means assignments, to Marvel Specialty Company, Incorporated, Paducah, Ky. Apparatus for mending hooley. 2,624,183, Jan. 6.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,624,861, Jan. 6.

Browning, Daniel D.: See—

Beznan, Irving I., and Browning.

Broxon, James W.: See—

Jesse, William P., and Broxon, and Hinch.

Brush Development Company, The, assignee: See—

Page, Harry C.

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,624,644, Jan. 6.

Bryce, William H., Memphis, Tenn., assignor to Dixie Wax Paper Company, Dallas, Tex. Making paper bags. 2,624,246, Jan. 6.

Buchinger, Clyde J., Perry Center, N. Y. Milking machine cleaner of the cleaning liquid circulating type. 2,624,355, Jan. 6.

Buckeye Aluminum Company, The, assignee: See—

Fry, Clifford W.

Porter, Kirk E.

Buckeye Steel Castings Company, The, assignee: See—

Settles, James C.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamaud, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Lay motion for looms. 2,624,372, Jan. 6.

Buffalo Electro-Chemical Company, Inc., assignee: See—

Greenspan, Frank P.

Bungay, George W., assignor to Oxy-Dry Sprayer Corporation, New York, N. Y. Make-ready preparing press. 2,624,389, Jan. 6.

Bunnell, Raymond H.: See—

Hatcher, David B., and Bunnell.

Bunnell, Raymond H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Stable liquid organosiloxanes. 2,624,749, Jan. 6.

Burge, James S., Anderson, H. J. McKee, Middletown, and R. M. Goodwin, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Machine for making electrical coils. 2,624,374, Jan. 6.

Burke, Bryan R.: See—

Wiser, Douglas R., Bartlam, and Burke.

Burdy Engineering Company, Inc., assignee: See—

Dupre, Henry P.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Flexible storm window securing means. 2,624,404, Jan. 6.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: See—

Hitchings, George H., and Falco.

Hitchings, George H., and Russell.

Butler, Grace: See—

Butler, William D., and G.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tridecenyl alcohols. 2,624,766, Jan. 6.

Butler, Van B., Seattle, Wash., assignor to Boeing Airplane Company, Alrcraft wing flap. 2,624,532, Jan. 6.

Butler, William D., and G., San Francisco, Calif. Knock-down shelf and cabinet structure. 2,624,083, Jan. 6.

Byrne, John F., Garden City, N. Y., assignor, by means assignments, to Hewlett Packard Company, Palo Alto, Calif. Measuring system. 2,624,780, Jan. 6.

Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Foldable vertically adjustable table. 2,624,469, Jan. 6.

Cadwell Corporation, The, assignee: See—

Cadwell, Clarence J., and Adamson.

Caffrey, Howard E., Tucson, Ariz. Retractable traffic sign. 2,624,307, Jan. 6.

Campfield Manufacturing Company, assignee: See—

Olson, Henry L.

Campbell, Frank G., assignee: See—

Messick, Kirwan Y.

Campbell, John E.: See—

Blout, Elkan R., Campbell, Corley, and Snow.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Constant speed drive for magnetic record members. 2,624,574, Jan. 6.

Caramelli, Carl F., assignor to P. G. Caramelli, Los Angeles, Calif. Adjustable counterseat. 2,624,566, Jan. 6.

Caramelli, Peter G., assignee: See—

Caramelli, Carl F.

Cardenas, Henry E., Kansas City, Kans. Safety razor. 2,624,109, Jan. 6.

Cardox Corporation, assignee: See—

Hesson, James C.

Williamson, Hilding V.

Carlson, Chester F., New York, N. Y. Graphic recording. 2,624,652, Jan. 6.

Carmichael, Hugh, Deep River, Ontario, Canada, assignor to The Ministry of Supply, Balance. 2,624,664, Jan. 6.

Caro, Abraham, Dorchester, Mass. Luggage handle. 2,624,431, Jan. 6.

Carpenter, John M., Donelson, Tenn, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Fixture assembly. 2,624,107, Jan. 6.

Carter Carburetor Corporation, assignee: See—

Boller, Henry A.

Casabona, Ferdinand, assignor to The Jampol Company, Inc., Brooklyn, N. Y. Apparatus for free pivoting transfer rollers. 2,624,444, Jan. 6.

Cassiere, Frank A., and J. N. Damore, Chicago, Ill. Pry type vacuum cap remover. 2,624,220, Jan. 6.

Caterpillar Tractor Co., assignee: See—

Gardner, John E.

Celanese Corporation of America, assignee: See—

Stearn, William T.

Centanal, Anthony T., Philadelphia, Pa. Composition for treating plants. 2,624,663, Jan. 6.

Centrifline Corporation, assignee: See—

Cummins, James P.

Chalmers, Archibald, assignor to Hyde Manufacturing Company, Southbridge, Mass. Wallpaper trimming machine. 2,624,407, Jan. 6.

Chance, Britton, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Course indicating system. 2,624,877, Jan. 6.

Chance, Britton, Cambridge, and E. C. Kerner, Boston, Mass., assignors, by means assignments, to the United States of America as represented by the Secretary of War. Electrical circuit for the solution of right triangles. 2,624,609, Jan. 6.

Cheesman, Roy E., La Fayette, Ind. Window. 2,624,082, Jan. 6.

Chicago Steel and Wire Company, assignee: See—

Green, Frank A.

Chilton, William E.: See—

Dixon, Edward C., and Chilton.

Choplin, John P., North Wilkesboro, N. C. Wheeled device for transporting boats. 2,624,691, Jan. 6.

Chrisman, Ernest L.: See—

McCracken, Collins P., and Chrisman.

Chrysler Corporation, assignee: See—

Dunn, William T.

Forman, Louis B.

Church, Walter L., Houston, Tex. Flow valve for fluid lift pumps. 2,624,362, Jan. 6.

Churchill, Alan W., Caldwell, and R. C. Van Camp, Madison, assignors to Automatic Switch Co., Orange, N. J. Four-way valve. 2,624,585, Jan. 6.

Cincinnati Butchers' Supply Company, The, assignee: See—

Ward, Michael F.

Claff, Clarence L., and C. A. Moeller, assignors to Norfolk Paper Company, Inc., Randolph, Mass. Light sensitive control for setting-up machines. 2,624,247, Jan. 6.

Clark, Cecil L., Three Rivers, Calif. Reamer and honer for wrist pin bushings. 2,624,217, Jan. 6.

Clark, Frederick G., assignor of one-half to W. Stevenson, Buffalo, N. Y. Magnetic driving implement. 2,624,223, Jan. 6.

Clark, James H.: See—

Walls, Claude W., and Clark.

Clearing Machine Corporation, assignee: See—

Morey, Carl.

Clemson Brothers, Inc., assignee: See—

Clemson, Richard D.

Clemson, Richard D., assignor to Clemson Brothers, Inc., Middletown, N. Y. Lawn mower construction. 2,624,168, Jan. 6.

Clingman, Paul E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Crash panel for vehicles. 2,624,596, Jan. 6.

Clogston, Albert M., Melrose, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Self-modulated magnetron. 2,624,863, Jan. 6.

Clouse, Easton R., Highland, Ind., and R. C. Woerner, Homewood, Ill., assignors to Sinclair Refining Company, New York, N. Y. Coking in a fluidized state. 2,624,697, Jan. 6.

Cluett, Peabody & Co., Inc., assignee: See—
Cluett, Sanford L.

Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Modified paper and its manufacture. 2,624,245, Jan. 6.

Coast Wire Company, assignee: See—
Schulze, Kurt E.

Cobine, James D., Schenectady, N. Y., and C. J. Gallagher, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Gas discharge tubes. 2,624,867, Jan. 6.

Cochrane, Harry G., Ottawa, and S. W. Kirby, Larned, Kans., excavator having means for forming polygonal holes. 2,624,348, Jan. 6.

Cody, Albert L., Philadelphia, Pa., and W. E. Brandley, Laurel Springs, N. J., Handtruck. 2,624,472, Jan. 6.

Coffeen, William W., Union, N. J., assignor to Metal & Thermite Corporation, New York, N. Y. Ceramic bodies. 2,624,709, Jan. 6.

Culbarn, George C., South Natick, and C. W. Turner, Melrose, assignors to H. E. Wright Company, Charlestown, Mass. Pasteurizing apparatus. 2,624,266, Jan. 6.

Cole, Clayton K., assignor to Atlas Press Company, Kalamazoo, Mich. Cutter blade support for lawn mowers. 2,624,169, Jan. 6.

Collins & Alkman Corporation, assignee: See—
Bird, Whitworth F., and Bodell.

Colonial Print Works, Inc., assignee: See—
Koch, William J.

Columbia Mills, Inc., The, assignee: See—
Burns, Fred J.

Columbia-Southern Chemical Corporation, assignee: See—
Pechukas, Alphonse.

Combustion Control Corporation, assignee: See—
Shaw, Burton E., and Glufrieda.

Thomson, E. Craig.

Thomson, E. Craig, and Webb.

Commonwealth Engineering Company of Ohio, The, assignee: See—
Toulmin, Harry A., Jr.

Compton, Henry P., Abilene, Tex. Package dispenser. 2,624,648, Jan. 6.

Conlon-Moore Corporation, assignee: See—
Babcock, Henry H.

Consolidated Engineering Corporation, assignee: See—
Austin, Robert R.

Continental Hospital Service, Inc., assignee: See—
Dixon, Edward C., and Chilton.

Corbett, John P., Los Angeles, Calif. Baseball base. 2,624,580, Jan. 6.

Corder, Arthur A., Vancouver, Wash. Rotor carrier. 2,624,473, Jan. 6.

Corley, Elehard S.: See—
Blout, Elkan R., Campbell, Corley, and Snow.

Blout, Elkan R., Corley, and Snow.

Cornic, Yves: See—
Delacoste, Claude, and Cornic.

County National Bank and Trust Company of Santa Barbara, executor: See—
Muselman, Alvin J.

Courant, Curt J.: See—
Gallagher, William P., and Courant.

Crafts, Walter, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Ferritic chromium steels. 2,624,669, Jan. 6.

Craig, John J., University Heights, J. E. Dunasky, Cleveland, M. F. Morgan, Shaker Heights, and A. L. Foell, Cleveland Heights, assignors to Arthur G. McKee & Company, Cleveland, Ohio. Shaft furnace. 2,624,560, Jan. 6.

Crain, Robert L.: See—
Maeller, Robert A., and Crain.

Crane Co., assignee: See—
Bryant, Corwin W.

Detlefsen, Gustav C.

Hedberg, Albert F., and Langner.

Magos, John P., Larson, and Nelson.

Crane Packing Company, assignee: See—
Vnytech, Charles F.

Creek, James D.: See—
Watson, Edwin D., and Creek.

Crimmins, William C., Marion, Ind. Sequential timer and the like. 2,624,811, Jan. 6.

Crompton & Knowles Loom Works, assignee: See—
Blanchard, William A.

Crowley, George C., Stratford, Conn., assignor to General Electric Company. Temperature control circuit. 2,624,825, Jan. 6.

Croxall, Willard J.: See—
Melamed, Sidney, and Croxall.

Cummins, James P., Scarsdale, assignor to Centrifuge Corporation, New York, N. Y. Lining with cement mortar underground conduits having branch lines. 2,624,095, Jan. 6.

Cunningham, Harry C., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,624,826, Jan. 6.

Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Plug-board connector. 2,624,774, Jan. 6.

Cutrone, Joseph J., and M. P. Ferrante, Brooklyn, N. Y. Umbrella fabric clasp. 2,624,357, Jan. 6.

Dalger, George P., Canton, assignor to The Hoover Company, North Canton, Ohio. Toasting apparatus. 2,624,824, Jan. 6.

Dalay, William E., Woburn, Mass. Refrigerating apparatus with defrosting mechanism. 2,624,179, Jan. 6.

Dalton, James E., Crewe, Va. Loading dump truck body. 2,624,484, Jan. 6.

Damore, Jack N.: See—
Caslere, Frank A., and Damore.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of maleic anhydride. 2,624,744, Jan. 6.

Davis, Charles W., Grand Prairie, Tex. Electronically controlled relay. 2,624,784, Jan. 6.

Davis, John K., East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Lens testing instrument. 2,624,237, Jan. 6.

Davis, Richard H.: See—
Tochilin, Eugene, and Davis.

Davy, Lee G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of quinone. 2,624,747, Jan. 6.

Dawson, Edward, New York, N. Y., assignor to The Sperry Corporation. Multiplying mechanism. 2,624,506, Jan. 6.

Dayton Pump and Manufacturing Company, The, assignee: See—
Wolfe, H. Hix.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Homing arrangement for selector switches. 2,624,807, Jan. 6.

Dean, William W. H., Pointe Claire, Quebec, Canada, assignor to Radio Corporation of America. Peak clipper indicator. 2,624,789, Jan. 6.

Dearborn Motors Corporation, assignee: See—
Freyk, Ralph C.

Richy, Clarence B.

De Boo, Jerome L., Chicago, and C. W. Swan, Skokie, assignors to Teletype Corporation, Chicago, Ill. Clutch. 2,624,434, Jan. 6.

Dee, Harley V., assignee: See—
Glori, Adelmo.

Deere & Company, assignee: See—
Johnson, Theodore W.

Walz, Claude W., and Clark.

Delacoste, Claude, Paris, and Y. Cornic, Angleres, France, assignors, by mesne assignments, to Vinyl-Cast, Inc., Akron, Ohio. Making hollow plastic articles. 2,624,072, Jan. 6.

Delaplaine, John W.: See—
Ivey, Edwin H., Jr., and Delaplaine.

Delhomme, Valer J.: See—
Petra, Wilhelm F., and Riesinger.

De Merre, Marcel, assignor to Societe Generale Metallurgique De Hoboken, Hoboken-Anvers, Belgium. Separation of nickel from cobalt containing solutions. 2,624,702, Jan. 6.

De Milto, Jeanne, Philadelphia, Pa. Child's vehicle seat. 2,624,394, Jan. 6.

Dennis, William L., Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio. Window regulator. 2,624,570, Jan. 6.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway cars. 2,624,567, Jan. 6.

De Peralea, Marta P., San Antonio, Tex. File cabinet. 2,624,650, Jan. 6.

Detlefsen, Gustav C., assignor to Crane Co., Chicago, Ill. Diverter valve. 2,624,364, Jan. 6.

De Vibius Company, The, assignee: See—
Peeps, Donald J.

Dewey, Gordon C.: See—
Smullin, Louis D., and Dewey.

Diamond Alkali Company, assignee: See—
Hirsch, Alfred.

Diaz, Domingo O., assignor to N. Porter Saddle and Harness Company, Phoenix, Ariz. Saddle structure. 2,624,167, Jan. 6.

Di Bari, Joseph, Brooklyn, N. Y. Revolving tray for whiskey bottles and glasses. 2,624,651, Jan. 6.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio noise transmitter. 2,624,836, Jan. 6.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Object detection system. 2,624,876, Jan. 6.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Nuclear monohalogenated 1-hydroxy-4-β-nuoro-alkylamino-anthraquinone compounds and process for their preparation. 2,624,746, Jan. 6.

Dickinson, Arthur H., Greenwich, Conn., B. E. Phelps, Wappingers Falls, and C. A. Bergfors, Yonkers, assignors to International Business Machines Corporation, New York, N. Y. Electronic dividing and multiplying apparatus. 2,624,508, Jan. 6.

Diehl, John E., assignor to Stackpole Carbon Company, St. Mary's, Pa. Ammeter with swinging permanent magnet. 2,624,769, Jan. 6.

Dietzsch, Oscar A., Los Angeles, Calif. Double point ignition distributor. 2,624,810, Jan. 6.

Dimmick, Glenn L.: See—
Diddop, Mary E., and Dimmick.

Dinga, Emil W., Bayside, N. Y., assignor to Mergenthaler Linotype Company. Photocomposing machine. 2,624,798, Jan. 6.

Dingman, Thomas C., and J. W. Jamieson, assignors to Ford Motor Company, Dearborn, Mich. Door lock. 2,624,606, Jan. 6.

Di Perna, Joseph P., Fort Worth, Tex. Electrotherapeutic device. 2,624,342, Jan. 6.

Di Rosa, Angel and C., and A. E. Hayes, Buenos Aires, Argentina. Pattern-controlled reproducing lathe. 2,624,378, Jan. 6.

Di Rosa, Carmelo: See—
Di Rosa, Angel and C., and Hayes.

Di Vincenzo, Casey, East Cleveland, Ohio. Clamp-on radiation fan. 2,624,353, Jan. 6.

Dixie Wax Paper Company, assignee: See—
Bryce, William H.

Dixon, Edward C., Rocky River, and W. E. Chilton, Cleveland, assignors to Continental Hospital Service, Inc., Lakewood, Ohio. Infant incubator. 2,624,333, Jan. 6.

Dixon, Howard B., and F. Almada, San Francisco, Calif. Collator sheet ejecting means. 2,624,571, Jan. 6.

Dobry, Joseph F., Langhorne, Pa., assignor to Sloane-Blaibon Corporation, Hutchinson, Minn., N. J. Apparatus and process of producing calendered linoleum materials. 2,624,068, Jan. 6.

Donegan, Joseph W., New Brunswick, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Method of processing carbonaceous materials for subsequent activation treatment. 2,624,712, Jan. 6.

Donofrio, Alfonso M., Toledo, Ohio, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Method of and apparatus for encapsulating liquid and semiliquid substances and the like. 2,624,164, Jan. 6.

Donogh, Andrew L., Brandon, Manitoba, Canada. Chaff and straw receiver and cooker. 2,624,482, Jan. 6.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car door latch. 2,624,293, Jan. 6.

Dorr Company, The, assignee: See—
Fischer, Anthony J., and Kivell.

Dow Chemical Company, The, assignee: See—
Roche, Arthur F., and Price.

Downey, Paul M., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Hydroxy aliphatic derivatives of symmetrical di-aromatic thiureas. 2,624,762, Jan. 6.

Draper Corporation, assignee: See—
Budzyrna, Walter J., and Flamaud.

Flamaud, Maurice R.

Dreier, Ray, Chicago, Ill. Bottle opener with skirt deforming means. 2,624,219, Jan. 6.

Dry Ice Converter Corporation, assignee: See—
Pritchard, Levi T.

Dubbernell, George, Watertown, Conn., and S. M. Martin, Glen Ridge, N. J., assignors to United Chromium, Incorporated, New York, N. Y. Electroplating barrel. 2,624,728, Jan. 6.

Duerr, Charles, Glendale, assignor to Jacoby-Bender, Inc., New York, N. Y. End clasp for bracelets or the like. 2,624,092, Jan. 6.

Dunasky, Joseph E.: See—
Craig, John J., Dunasky, Morgan, and Foell.

Donlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile bobbin. 2,624,323, Jan. 6.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,211, Jan. 6.

Dunod, Jean, Paris, France. Loom for circular weaving. 2,624,367, Jan. 6.

Dunod, Jean, Paris, France. Weft replenishing apparatus for circular looms. 2,624,368, Jan. 6.

Dupre, Henry P., Astoria, N. Y., assignor to Burndy Engineering Company, Inc. Swivel for positive initial grips. 2,624,602, Jan. 6.

Duvall, Thure C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Manufacture of air-laid felts. 2,624,079, Jan. 6.

Dzaack, Walter J., Glenshaw, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating device. 2,624,828, Jan. 6.

Eagle Signal Corporation, assignee: See—
Pearson, Frank A.

Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical elevator system having selective control of response to calls. 2,624,425, Jan. 6.

Eastman Kodak Company, assignee: See—
Davy, Lee G.

Dickey, Joseph B.

Tarkington, Ralfe G., and Lowe.

Eaton, Charles A., Atlantic City, N. J. Arrangement for flexible stuffing boxes. 2,624,599, Jan. 6.

Eaton Manufacturing Company, assignee: See—
Russell, Robert C.

Eaton, William, Glen Head, N. Y. Making fabric covered buckles. 2,624,080, Jan. 6.

Eberle, George A., and E. S. Zachowski, Ingiewood, and F. V. Maltbie, Whittier, Calif., assignors to North American Aviation, Inc. Profiling machine. 2,624,242, Jan. 6.

Edison, Thomas A., Incorporated, assignee: See—
Moulton, Joseph D.

Efficient Equipment, Inc., assignee: See—
Kaplan, Hyman C.

Eichenlaub, George E., Beaumont, Tex. Self-adjusting cross bridge. 2,624,080, Jan. 6.

Elsen, John B.: See—
Bjorksten, Johan A., and Elsen.

Eisenhauer, Ida J., assignee: See—
Stover, Ancl C.

Eisenhauer, Leigh E.: See—
Stover, Ancl C.

Eisenhauer Manufacturing Company, The, assignee: See—
Stover, Ancl C.

Eisenhauer, William W., assignee: See—
Stover, Ancl C.

Elegar, Augustus G., Arlington, Va. Apparatus for controlling humidity. 2,624,420, Jan. 6.

Elliff, Orla B., assignor to The Meeker Company, Inc., Joplin, Mo. Key retainer. 2,624,192, Jan. 6.

Ellis, William H., Lovelaceville, Ky. Well strainer. 2,624,411, Jan. 6.

Ellström, Axel S., Skutakar, assignor to Söderhamns Verkstads Aktiebolag, Söderhamn, Sweden. Saw frame. 2,624,205, Jan. 6.

Ellwood, William F., assignee: See—
Stover, Ancl C.

Elna, Arthur W., Milwaukee, Wis. Packing gland. 2,624,601, Jan. 6.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 5-N-butoxy-1-hexyl adipate and method for making the same. 2,624,733, Jan. 6.

Emerson, William S., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of keto aldehydes. 2,624,764, Jan. 6.

Emmett, Robert A., Jr., U. S. Navy. Test instrument for blind landing system. 2,624,872, Jan. 6.

Enterprise Railway Equipment Company, assignee: See—
Dorey, George B.

Epps, Peterson A., Jr., Richmond, Va. Bobby pin holder. 2,624,346, Jan. 6.

Epstein, Charles, New York, N. Y. Blood pressure taking device. 2,624,334, Jan. 6.

Erickson, Floyd B., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal compositions. 2,624,662, Jan. 6.

Ernst, Edouard, Zurich, Switzerland. Kitchen range. 2,624,329, Jan. 6.

Erwin, Lee R., Monrovia, and J. B. Griffith, Pasadena, Calif., assignors to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Means and method of controlling refrigeration systems. 2,624,181, Jan. 6.

Evans, Glen L., assignor to Glen L. Evans, Inc., Caldwell, Idaho. Merchandise package. 2,624,502, Jan. 6.

Evans, Glen L., Inc., assignee: See—
Evans, Glen L.

Everhart, Edgar, Cambridge, and R. Bograw, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tunable strapped magnetron. 2,624,862, Jan. 6.

Ewing, Albert L., Stephenville, assignor to R. C. Wood, Graham, Tex. Portable food and beverage container. 2,624,451, Jan. 6.

Fahnoe, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Process for preparing propargyl aldehyde dimethyl acetal. 2,624,765, Jan. 6.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Processing apparatus for radiation detection devices. 2,624,253, Jan. 6.

Fairchild Engine and Airplane Corporation, assignee: See—
Brader, Stanley F.

Falco, Elvira A.: See—
Hitchings, George H., and Falco.

Falconer, Stuart A., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Float removal device for rotatable type heavy-media separators. 2,624,461, Jan. 6.

Farbenfabriken Bayer, assignee: See—
Schrader, Gerhard.

Farber, Edward R., Milwaukee, Wis. Unitary portable photographic illumination source. 2,624,831, Jan. 6.

Farren, Roy, Lake Worth, Fla. Tile roof structure. 2,624,208, Jan. 6.

Faulk, Donald P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic counting circuits. 2,624,842, Jan. 6.

Feal, Lawrence E., Oakland, Calif. Camera view finder. 2,624,229, Jan. 6.

Felner, Richard, New York, N. Y. Staple for attaching buttons. 2,624,085, Jan. 6.

Feldman, Samuel, Forest Hills, assignor to Lass O'Scotland Ltd., New York, N. Y. Knitted garment. 2,624,186, Jan. 6.

Fell Developments Limited, assignee: See—
Bennett-Powell, John A.
Ferrante, Marco P.: See—
Cutrone, Joseph J., and Ferrante.
Ferris, Seymour W., Mount Holly, N. J., assignor to Sun Oil Company, Philadelphia, Pa. Container having wax product coating. 2,624,501, Jan. 6.
Ferris, Seymour W., Mount Holly, N. J., assignor to Sun Oil Company, Philadelphia, Pa. Wax product and process of preparing same. 2,624,693, Jan. 6.
Field, Edward A., Mendota, Ill. Draft control. 2,624,513, Jan. 6.
Field, Phillip M., New York, N. Y., assignor to Charles Beseler Company, Newark, N. J. Copy locating and loading means for projector apparatus. 2,624,235, Jan. 6.
Filtors, Incorporated, assignee: See—
Molyneux, Cecil P.
Fino, Alexander F., and F. L. Plummer, assignors to Hammond Iron Works, Warren, Pa. Oil tank. 2,624,490, Jan. 6.
Finstead, Theron E., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Assembling ball bearing wheel structures. 2,624,104, Jan. 6.
Fischer, Anthony J., Manhasset, and W. A. Kivell, Bronxville, N. Y., assignors to The Dorr Company, Stamford, Conn. Sewage treatment. 2,624,704, Jan. 6.
Flier, Harlan N., Pittsburgh, Pa. Injection system for internal-combustion engines. 2,624,326, Jan. 6.
Fisher, Carl E., Jr., Royal Oak, Mich., assignor to Industrial Sound Systems, Inc., Cleveland, Ohio. Method and apparatus for fabricating seamless capsules. 2,624,009, Jan. 6.
Flamand, Maurice R.: See—
Budayna, Walter J., and Flamand.
Flamand, Maurice R., Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass. Thread clamp. 2,624,370, Jan. 6.
Flanders, Ralph E., Springfield, and J. W. Batchelder, Weatherfield, assignors to Jones & Lamson Machine Company, Springfield, Vt. Thread rolling machine. 2,624,216, Jan. 6.
Fleisher, Harry, Staten Island, assignor to Beaver Cloth Cutting Machines, Inc., New York, N. Y. Automatic sharpener for straight knife cloth cutting machines. 2,624,162, Jan. 6.
Fletcher, Fred E.: See—
Fletcher, Myles W., and F. E.
Fletcher, Myles W., and F. E., Atlanta, Ga. Cleansing device. 2,624,619, Jan. 6.
Foell, Adolph L.: See—
Craig, John J., Dunasky, Morgan, and Foell.
Food Machinery and Chemical Corporation, assignee: See—
Finstead, Theron E.
Forbes, Gordon D., Sudbury, and H. Shapiro, Cambridge, Mass., assignors, by means assignments, to the United States of America as represented by the Secretary of War. Backing for delay line crystals. 2,624,832, Jan. 6.
Ford Motor Company, assignee: See—
Brock, Harold L.
Dingman, Thomas C., and Jamieson, Kany, John A.
Kramer, Clarence F.
McRae, Edwin C.
Wise, Ralph H.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,206, Jan. 6.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,207, Jan. 6.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,208, Jan. 6.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,209, Jan. 6.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,210, Jan. 6.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,211, Jan. 6.
Foster and Foster, assignee: See—
Foster, Warren D.
Foster, Warren D., Eustis, Fla., assignor to Foster and Foster, Ridgewood, N. J. Film handling apparatus and magazine for use therewith and control thereof. 2,624,233, Jan. 6.
Foster Wheeler Corporation, assignee: See—
Honsinger, Oliver W.
Foulkes, Christopher H., London, England, assignor, by means assignments, to International Standard Electric Corporation, New York, N. Y. Grid electrode for electron discharge devices. 2,624,100, Jan. 6.
Francesconi, James C., Brooklyn, N. Y., and J. P. Hubbell, Pawwood, N. J.; said Hubbell assignor to said Francesconi. Screw driver with apertured handle. 2,624,383, Jan. 6.
Franklin, Joseph, Los Angeles, Calif. Reserve fuel tank. 2,624,400, Jan. 6.
Franks, Russell: See—
Blinder, William, and Franks.

Frawley Corporation, assignee: See—
Spata, Walter B.
Freese, Ernest F., Akron, Ohio. Liquid-separating device. 2,624,463, Jan. 6.
Freese, Gerald J.: See—
Gano, Harlan S., and Freese.
French Oil Mill Machinery Company, The, assignee: See—
Stacy, Thomas F.
Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Detachable resilient cover for rolling landsides. 2,624,258, Jan. 6.
Fricke, Guy C., and D. J. Schaffer, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor control mechanism. 2,624,325, Jan. 6.
Friedmann, Albert, assignor to Karl Lieberknecht, Inc., Reading, Pa. Fabric take-up mechanism for knitting machines. 2,624,185, Jan. 6.
Frost, Frederick H., Portland, and F. E. Brinnick, Westbrook, Maine. Photo-sensitive printing plate having a light sensitive coating consisting of a colloid, a phosphate and a chromium compound. 2,624,672, Jan. 6.
Frost, Frederick H., Portland, and F. E. Brinnick, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass. Photo-sensitive printing plate having a light sensitive coating consisting of a nonprotein colloid, a phosphate and a chromium compound. 2,624,673, Jan. 6.
Frub, Arthur W., Chicago, Ill. Closure member operated switch. 2,624,792, Jan. 6.
Fry, Clifford W., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Handle for cooking utensils. 2,624,066, Jan. 6.
Fry, Clifford W., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Pan stacks. 2,624,487, Jan. 6.
Gaiser, Conrad J.: See—
Merrill, Homer D., and Gaiser.
Gallagher, Charles J.: See—
Cobine, James D., and Gallagher.
Gallagher, William P., and C. J. Courant, assignors to International Register Company, Chicago, Ill. Portable reciprocating cutting machine. 2,624,115, Jan. 6.
Gamble, David E., assignor to Borg-Warner Corporation, Chicago, Ill. Sprag type clutch. 2,624,436, Jan. 6.
Gamble, Hedwig, Ponders End, England. Machine for wrapping rodlike articles in tubular wrappers. 2,624,163, Jan. 6.
Gano, Harlan S., Wilkesburg, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Circuit breaker. 2,624,815, Jan. 6.
Gapatur, John J., Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Reciprocating feed device. 2,624,441, Jan. 6.
Gardner, John R., Pekin, assignor to Caterpillar Tractor Co., Peoria, Ill. Automatic centering means for bearings. 2,624,437, Jan. 6.
Garner, Ewell M., Dallas, Tex. Underreaming attachment for tractors. 2,624,551, Jan. 6.
Gaskill, Harry L., Portland, Oreg. Automatic hammer. 2,624,047, Jan. 6.
Gayer, John D., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Fan arrangement for electrical device. 2,624,855, Jan. 6.
Geiser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Production of oils having drying properties. 2,624,717, Jan. 6.
Geisse, John H., Madison, Wis. Airplane cross-wind undercarriage. 2,624,334, Jan. 6.
Gelst, Herbert F., Lakewood, Ohio. Pallet handling apparatus. 2,624,470, Jan. 6.
Gelles, William H., New York, N. Y., and J. P. Miller, Glen Rock, N. J., assignors to Aircraft Mfg. Corp., New York, N. Y. Steam cleaning apparatus. 2,624,618, Jan. 6.
General American Transportation Corporation, assignee: See—
Thompson, Rea W., and Graham.
General Aniline & Film Corporation, assignee: See—
Beatehorn, Heinrich H., and Morgan.
Fahnoe, Frederick.
Hesse, Stanley H.
Mazzy, William J., and Sanders.
Randall, David L., and Renfrew.
General Controls Co., assignee: See—
Ray, William A.
General Electric Company, assignee: See—
Becker, Howard I.
Bloomberg, David J.
Crowley, George C.
Grimeshaw, Charles S.
Patterson, Franklin G.
Savage, Robert H.
Spina, James A., and Andersen.
Stephenson, Hugh M.
Young, Allan M.
General Electric Company Limited, The, assignee: See—
Britten, Leslie F., Jenkins, and Moss.
Watkins, Thomas B.

General Motors Corporation, assignee: See—
Burge, James S., McKee, and Goodwin.
Clingman, Paul E.
Dennis, William L.
MacPherson, Earle S.
Mears, William T.
Scofield, Robert O., and Schryver.
Shewmon, Ralph K.
Smith, Robert F.
Gentry, Henry G., Dyersburg, Tenn. Water purifier. 2,624,705, Jan. 6.
Gerin, Murray, Brooklyn, N. Y. Closure member for containers. 2,624,494, Jan. 6.
Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Power drive arrangement for concrete mixers. 2,624,537, Jan. 6.
Ghormley, Edwin L., assignor to United Aircraft Products, Inc., Dayton, Ohio. Machine for metalworking. 2,624,303, Jan. 6.
Ghormley, Edwin L., assignor to United Aircraft Products, Inc., Dayton, Ohio. Making baking or like pans. 2,624,304, Jan. 6.
Ghormley, Edwin L., assignor to United Aircraft Products, Inc., Dayton, Ohio. Valve construction. 2,624,342, Jan. 6.
Gibson, Samuel Y., Jenkintown, assignor to Air-Shields, Inc., Hatboro, Pa. Equipment for treatment of respiratory ailments. 2,624,337, Jan. 6.
Giesen, Arthur A., Chicago, Ill. Boiler skimmer. 2,624,322, Jan. 6.
Gifford, John F.: See—
Andrews, Harry C., and Gifford.
Gilbert & Barker Manufacturing Company, assignee: See—
Billa, Philip H., Logan, and Mesh.
Gillette Company, The, assignee: See—
Muros, Joseph.
Shultzler, Meyer J.
Giorgi, Adelmo, assignor of five-twelfths to R. Pasquesi, Highwood, and one-sixth to H. V. Dee, Great Lakes, Ill. Comb attachment for hair clippers. 2,624,113, Jan. 6.
Gluffrida, Philip: See—
Shaw, Burton E., and Gluffrida.
Gluffrida, Philip, Lawrence, assignor to Photowatch Incorporated, Cambridge, Mass. Gate switch. 2,624,813, Jan. 6.
Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Aromatic ester amides. 2,624,755, Jan. 6.
Godbout, Joseph R., Washington, D. C. Accelerator control for automobiles. 2,624,433, Jan. 6.
Goddard, Esther C., executrix: See—
Goddard, Robert H.
Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Proportionate flow control by balanced magnetic force. 2,624,360, Jan. 6.
Goepflich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic adjusting device. 2,624,426, Jan. 6.
Gold, William, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Apparatus for plugging test tubes and the like. 2,624,499, Jan. 6.
Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Biperidine derivatives. 2,624,734, Jan. 6.
Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 4,4'-polymethylene-biperidinium derivatives. 2,624,735, Jan. 6.
Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 2,2'-Polymethylene-bibiperidine compounds. 2,624,736, Jan. 6.
Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidinium compounds. 2,624,737, Jan. 6.
Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidinium compounds. 2,624,738, Jan. 6.
Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Bis-quaternary ammonium compounds. 2,624,763, Jan. 6.
Golding Bros. Company, Inc., assignee: See—
Lamport, Samuel H.
Goodhue, William V., Warwick and H. H. Wormser, Providence, assignors to Universal Winding Company, Cranston, R. I. Spindle dynamometer. 2,624,197, Jan. 6.
Gooding, Francis H., Lodi, assignor to The Okonite Company, Onassale, N. J. Electric power cable with carrier coupling. 2,624,794, Jan. 6.
Goodwin, Richard M.: See—
Burge, James S., McKee, and Goodwin.
Goulrand, Rene, New York, N. Y. Pneumatic suspension for vehicles. 2,624,594, Jan. 6.
Gould, William F.: See—
Wright, Esmond P. G., Gould, Hargreaves, and Reynolds.
Graham, Arthur H.: See—
Thompson, Rea W., and Graham.
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Graham, Early L., Henderson, Tex. Combination carpenter's tool. 2,624,544, Jan. 6.
Granne, Rose, Brooklyn, N. Y. Garment. 2,624,049, Jan. 6.
Gray Tool Company, assignee: See—
Mueller, Robert A., and Crain.
Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Gun trap and safety setting device. 2,624,148, Jan. 6.
Great Lakes Carbon Corporation, assignee: See—
Hickey, John H.
Green, Frank A., Lillip, N. Y., assignor to Chicago Steel and Wire Company, Chicago, Ill. Wire package. 2,624,526, Jan. 6.
Green, Frank L., Rockton, Ill. Feed finger for automatic screw machines and gripping element therefor. 2,624,102, Jan. 6.
Greene, Leonard M., Scarsdale, N. Y. Airplane instrument. 2,624,529, Jan. 6.
Greenlee, William B., Denver, Colo. Gaseous discharge lamp. 2,624,858, Jan. 6.
Greenspan, Frank P., Buffalo, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Stable aqueous hydrogen peroxide and method of preparing same. 2,624,655, Jan. 6.
Grelling, David J., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind. Sectional refrigerated display case. 2,624,649, Jan. 6.
Grelman, Benjamin F., Garner, Iowa. Cultivator shield or fender. 2,624,259, Jan. 6.
Grelman, Benjamin F., Garner, Iowa. Cultivator shield. 2,624,261, Jan. 6.
Gretnier, Edgar, Zurich, Switzerland. Projection illumination system for the homogeneous distribution of light. 2,624,234, Jan. 6.
Griesen, Richard A., Conshohocken, Pa., assignor to Martin Fabrics Corporation, New York, N. Y. Automatic mechanism for winding bobbins, quills, and the like. 2,624,519, Jan. 6.
Griffith, Joseph B.: See—
Erwin, Lee R., and Griffith.
Grimeshaw, Charles S., Erie, Pa., assignor to General Electric Company. Automatic defrost actuator. 2,624,180, Jan. 6.
Grinham, Edward G., and H. G. Webster, assignors to The Standard Motor Company Limited, Coventry, England. Internal-combustion engine. 2,624,328, Jan. 6.
Griewold, Donald D.: See—
Hartman, Carl H., Peterson, and Griewold.
Grisly Manufacturing Company, assignee: See—
Harper, Frank A.
Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Method and apparatus for making pile fabrics. 2,624,300, Jan. 6.
Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration apparatus. 2,624,182, Jan. 6.
Guggenheim, Daniel and Florence, Foundation, The, assignee: See—
Goddard, Robert H.
Guilbrandt, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,624,037, Jan. 6.
Gysin, Mayale A., executrix: See—
Gysin, Peter D.
Gysin, Peter D., deceased, Hances Point, North East, Md.; M. A. Gysin, executrix. Table and ironing board combination. 2,624,137, Jan. 6.
Haberland, Ernest R.: See—
Perlow, Gilbert J., and Haberland.
Hageman, Frank E., Chico, Calif. Honey process. 2,624,678, Jan. 6.
Hale, Mary: See—
Wallerstein, James S., Hale, Alba, and Levy.
Hall, Ellis C., assignor to Pump Development Company, Jackson, Miss. Fluid-operated liquid pump. 2,624,285, Jan. 6.
Hammond Iron Works, assignee: See—
Fino, Alexander F., and Plummer.
Hampton Machine Company, assignee: See—
Pendleton, Pyam L.
Hancock, Robert D., Compton, and L. T. Prothers, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Graph transformation device. 2,624,848, Jan. 6.
Hansen Manufacturing Company, Inc., assignee: See—
Hansen, William L.
Hansen, William L., assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Sound annunciator. 2,624,226, Jan. 6.
Hansley, Harry L., Miami, Fla. Suspensory support for men's garments. 2,624,336, Jan. 6.
Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Collapsible coiling head for electrically contacting insulated cable. 2,624,771, Jan. 6.
Hansen, Josef H., Heerlen, Netherlands. Vehicle comprising an auto-airplane combination. 2,624,530, Jan. 6.
Hapman, Hannab G., assignee: See—
Hapman, Henry W.
Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Detroit, Mich. Granulated material feeding apparatus. 2,624,474, Jan. 6.

Hargreaves, Thomas F. S.: See—
Wright, Edmond P. O., Gould, Hargreaves, and Reynolds.

Harless, Charles A., Riverside, Conn., assignor to R. Hoe & Co. Inc., New York, N. Y. Folding cylinder blade adjusting mechanism. 2,624,372, Jan. 6.

Harper, Frank A., Paulding, Ohio, assignor to Grizzly Manufacturing Company. Platen lubricating means. 2,624,160, Jan. 6.

Harrell Sales Co., assignee: See—
Harrell, Warren B., and Trester.

Harrell, Warren B., Long Beach, and A. H. Trester, assignors to Harrell Sales Co., Huntington Beach, Calif. Well baller. 2,624,414, Jan. 6.

Harris, Samuel B., St. Petersburg, Fla. Magsaloe pencil. 2,624,312, Jan. 6.

Harris, Warren B., Millbury, Mass. Dobby chain. 2,624,373, Jan. 6.

Hartman, Carl H., New Rochelle, W. B. Peterson, and D. D. Griswold, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for filling valve bags and control means therefor. 2,624,539, Jan. 6.

Hartmann, August H., Oakland, Calif. Drive for washing and wringing unit. 2,624,203, Jan. 6.

Harvey, Bertrand O., assignor to Markem Machine Company, Keene, N. H. Machine for printing cylindrical articles. 2,624,274, Jan. 6.

Hat Corporation of America, assignee: See—
Vickers, Irving H., and Rickus.

Hatch, Edna B.: See—
Hatch, Walter I. and E. B.

Hatch, Walter I. and E. B., North Sacramento, Calif. Garter clasp. 2,624,093, Jan. 6.

Hatcher, David B., and R. H. Bunnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Silicon-containing alkyl resins. 2,624,720, Jan. 6.

Hatcher, David B., and R. H. Bunnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Curable organo-silicon compositions. 2,624,721, Jan. 6.

Hathaway, Stanley, Greenville, N. C. Tobacco stemmer. 2,624,344, Jan. 6.

Hatke, Charles W., Denver, Colo. Motion-picture reel end indicator. 2,624,300, Jan. 6.

Haug, John S., Chestnut Hill, Pa., and C. A. Meagers, Oaklyn, N. J., assignors to United Engineers & Constructors Inc., Philadelphia, Pa. Compensating blast control device. 2,624,650, Jan. 6.

Haumerson, Fred C., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lift mechanism. 2,624,546, Jan. 6.

Havens, Byron L., Closter, N. J., assignor to International Business Machines Corporation, New York, N. Y. Pulse delay circuit. 2,624,830, Jan. 6.

Hayes, Alfredo E.: See—
Di Rosa, Angel and C., and Hayes.

Hayes, Lester N., Livingston, Tex. Brush saw. 2,624,380, Jan. 6.

Hazeltine, James E., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Felt base floor covering and method of making the same. 2,624,682, Jan. 6.

Hazeltine Research, Inc., assignee: See—
Loughlin, Bernard D.

Hedberg, Albert F., and E. Langner, assignors to Crane Co., Chicago, Ill. Combined tool for machining guide ribs. 2,624,243, Jan. 6.

Heilig, Theodore, assignee: See—
Saacke, G. Rudolph.

Helman, Samuel, assignor to Philadelphia Rust-Proof Co., Philadelphia, Pa. Method and composition for coating aluminum with tin. 2,624,684, Jan. 6.

Hemmlinger, Paul, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Counting and registering relay circuit. 2,624,785, Jan. 6.

Hendrickson, Fritz E., South Elgin, assignor of one-fourth to H. G. Olving, Elgin, Ill. Buffing machine. 2,624,158, Jan. 6.

Henry, Albert R., Salina, assignor to Henry Manufacturing Co., Inc., Topeka, Kans. Bulldozer attachment for tractors. 2,624,132, Jan. 6.

Henry, Georges L., and E. Brichard, Jamet, assignors to Union des Verrieres Meranaises Belges S. A., Charleroi, Belgium. Method and apparatus for feeding glass furnaces. 2,624,475, Jan. 6.

Henry Manufacturing Co., Inc., assignee: See—
Henry, Albert R.

Hercules Powder Company, assignee: See—
Zehree, David T.

Herlin, Melvin A., Cambridge, and W. V. Smith, Medford, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable multi-cavity type magnetron tube. 2,624,804, Jan. 6.

Herrick, James E.: See—
Herrick, William W. and J. E.

Herrick, William W. and J. E., Stamford, Conn. Automatic boat pumping device. 2,624,303, Jan. 6.

Herring, Robert A., Jr., Washington, D. C. Pulse generator. 2,624,851, Jan. 6.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave detector. 2,624,840, Jan. 6.

Hersog, Martin O., Fort Hood, Tex. Rod holder. 2,624,536, Jan. 6.

Hesse, Stanley H., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Process of preparing α -acetopyridines. 2,624,740, Jan. 6.

Hesson, James C., assignor to Cardox Corporation, Chicago, Ill. Pilot controlled valve for fire extinguishing systems. 2,624,365, Jan. 6.

Hewlett-Packard Company, assignee: See—
Bowman, David F.

Byrne, John F.

Heyer, Don, Los Angeles, Calif. Power feed apparatus. 2,624,319, Jan. 6.

Heyn, Henry M., assignor to Surface Combustion Corporation, Toledo, Ohio. Heat-treating furnace. 2,624,561, Jan. 6.

Hickey, John H., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Method of producing a purified coke. 2,624,698, Jan. 6.

Hild, Henry P., Merion Park, assignor to Proctor Electric Company, Philadelphia, Pa. Toaster. 2,624,269, Jan. 6.

Hill, John L., Denver, Colo. Gun action. 2,624,241, Jan. 6.

Hilch, William H.: See—
Jesse, William P., Broxon, and Hinch.

Hilman, Joseph M., Plumer, Pa. Boreplate rack. 2,624,487, Jan. 6.

Hirsch, Alfred, Palmsville, assignor to Diamond Alkali Company, Cleveland, Ohio. Method of making purified brine. 2,624,654, Jan. 6.

Hirvonen, Eric J., Shrewsbury, assignor to Leland-Gifford Company, Worcester, Mass. Hydraulic pump. 2,624,283, Jan. 6.

Hitchings, George H., Tuckahoe, and E. A. Falco, New Rochelle, assignors to Hurrongs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation of 5-benzyl-2,4-diaminopyrimidines. 2,624,732, Jan. 6.

Hitchings, George H., Tuckahoe, and P. B. Russell, Crestwood, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 5-phenylpyrimidine derivatives. 2,624,731, Jan. 6.

Hoe, R., & Co. Inc., assignee: See—
Harless, Charles A.

Hoffmann-La Roche Inc., assignee: See—
Goldberg, Moses W., and Jampolsky.

Hogan, Veta D., Seattle, Wash. Interchangeable purse insert. 2,624,385, Jan. 6.

Hogeman, Hans, Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Fuel injection apparatus. 2,624,327, Jan. 6.

Holte, Paul C., Canton, assignor to Pullman Sales Corporation, Rosbury, Mass. Gun for delivering a detergent to foam form. 2,624,622, Jan. 6.

Hoswinger, Oliver W., St. Catharines, Ontario, Canada, assignor to Foster Wheeler Corporation, New York, N. Y. Combination air control and ash removal apparatus for grate fired furnaces. 2,624,300, Jan. 6.

Hoover Company, The, assignee: See—
Daiger, George P.

Gross, Alfred G.

Hovath, Anthony G.

Moyer, Joseph.

Snyder, Eugene L.

Wilson, Herbert W.

Hoover, Fermin E., Brewster, Kans. Power disk plow. 2,624,254, Jan. 6.

Horn, Robert B., and J. K. Bauer, Winchester, Ind. Combined hitch and platform unit for tractors. 2,624,595, Jan. 6.

Hornberger, Clarence L., Mannheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Device for controlling movement of a member on a conveyor. 2,624,440, Jan. 6.

Hovath, Anthony G., Dayton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,624,268, Jan. 6.

Hovath, Artemy A., Princeton, N. J. Treating birds and feathers. 2,624,685, Jan. 6.

Hotpoint Inc., assignee: See—
Hill, Douglas F.

Houdry, Eugene J., Ardmore, Pa. Generating power involving catalytic oxidation. 2,624,172, Jan. 6.

Houdry Process Corporation, assignee: See—
Ivey, Edwin H., Jr., and Delaplaine.

Houston Oil Field Material Company, Inc., assignee: See—
Storm, Lynn W.

Hovers, Mathias A., Tilburg, Netherlands. Conveyor belt provided with elevator scoops. 2,624,446, Jan. 6.

Howard, Robert A., Tulsa, Okla., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Device for measuring radio-frequency power. 2,624,803, Jan. 6.

Hubbell, Jesse P.: See—
Francesconi, James C., and Hubbell.

Hughes, Albert F., Dea Moines, Wash., assignor, by mesne assignments, to Ray R. Scoville, Glendale, Calif. Mounting device for vacuum tube circuit elements. 2,624,775, Jan. 6.

Hupp Corporation, assignee: See—
Lawson, David E.

Hurley, Forrest R., Jamestown, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Iron fluoride-manganese fluoride aromatizing catalyst. 2,624,713, Jan. 6.

Hyde Manufacturing Company, assignee: See—
Chalmers, Archibald.

Hyde, Robert W., assignor to The Schaeble Company, Cincinnati, Ohio. Aerial nozzle. 2,624,559, Jan. 6.

Hylan, Douglas F., Oak Park, Ill., assignor to Hotpoint Inc. Control circuits for dishwashing apparatus. 2,624,352, Jan. 6.

Hlyn, Boris P., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Gear pump. 2,624,287, Jan. 6.

Imperial Paper Box Corporation, assignee: See—
Sukoff, Louis.

Industrial Sound Systems, Inc., assignee: See—
Fisher, Carl E., Jr.

Industrie Werke Karlsruhe Aktiengesellschaft, assignee: See—
Kirschbaum, Emil.

International Business Machines Corporation, assignee: See—
Benson, Alfred H.

Cunningham, James M.

Dickinson, Arthur H., Phelps, and Bergfors.

Havens, Byron L.

Manning, Clarence R.

Phelps, Byron E.

Shaffer, Orville B.

Wheeler, John N.

Winans, John M.

International Register Company, assignee: See—
Gallagher, William P., and Courant.

International Standard Electric Corporation, assignee: See—
Deakin, Gerald.

Foulkes, Christopher H.

Reeves, Alec H.

Rudkin, Eric P.

Smullin, Louis D., and Dewey.

Wright, Edmond P. G., Gould, Hargreaves, and Reynolds.

Irion, Fred, assignee: See—
Schrock, Jacob N., and C. E. and H. Watson.

Iron Fireman Manufacturing Company, assignee: See—
Runniger, Frederick L.

Irving, Henry F., assignor to Baker Perkins, Inc., Saginaw, Mich. Rotary drier. 2,624,124, Jan. 6.

Isey, John V., Graham, N. C. Reed knife. 2,624,098, Jan. 6.

Ivey, Edwin H., Jr., Glenolden, and J. W. Delaplaine, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Transfer of granular materials. 2,624,693, Jan. 6.

Jablon, Theodore M., New York, N. Y. Bead chain type article or key holder and display means therefor. 2,624,457, Jan. 6.

Jackson, Alexia E., Norwalk, Conn., assignor, by mesne assignments, to American Brake Shoe Company, Wilmington, Del. Lifting device. 2,624,543, Jan. 6.

Jackson, Byron Co., assignee: See—
Luadeen, Chester A.

Jacobs, Saul, Forest Hills, N. Y. Greenhouse structure. 2,624,427, Jan. 6.

Jacobsen, Walter E. and W. H., assignors to Prismatic, Inc., Southampton, Pa. Mechanical pencil and collet therefor. 2,624,313, Jan. 6.

Jacobsen, Walter H.: See—
Jacobsen, Walter E. and W. H.

Jacoby-Bender, Inc., assignee: See—
Duerr, Charles.

Jamieson, John W.: See—
Dingman, Thomas C., and Jamieson.

Jampol Company, Inc., The, assignee: See—
Casabona, Ferdinand.

Jampolsky, Lester M.: See—
Goldberg, Moses W., and Jampolsky.

Jansen, Leo M., assignee: See—
Osborne, Henry H.

Jarvis, Jack, assignee: See—
Schroeder, Henry L.

Jenkins, Ronald O.: See—
Britten, Leslie F., Jenkins, and Moss.

Jesse, William P., Chicago, Ill., and J. W. Broxon, Boulder, and W. H. Hinch, Denver, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ballistic electrometer. 2,624,847, Jan. 6.

Johnson, Alfred W., Chicago, Ill. Fruit juicer. 2,624,271, Jan. 6.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Tool controlling fluid valve. 2,624,340, Jan. 6.

Johnson, Clarence B., Long Beach, Calif. Baby seat. 2,624,395, Jan. 6.

Johnson Gage Company, The, assignee: See—
Johnson, Paul W.

Johnson, Myron A. C., Coral Gables, and J. Toth, Hialeah, Fla. Flying toy with vibrating strands. 2,624,153, Jan. 6.

Johnson, Paul W., assignor to The Johnson Gage Company, Bloomfield, Conn. Screw thread gauge for root and crest measurements relative to the pitch line. 2,624,125, Jan. 6.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Tractor mounted cultivator. 2,624,255, Jan. 6.

Jolley, Thomas M., Oskaloosa, Iowa. Fishhook. 2,624,150, Jan. 6.

Jones, Charles W., Pomona, Calif. Retractable runner and wheeled type of game carrier. 2,624,588, Jan. 6.

Jones & Lamson Machine Company, assignee: See—
Flanders, Ralph E., and Batchelder.

Jones, Walter L., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Easy action snap fastener. 2,624,090, Jan. 6.

Joris, George G., Madison, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of crude acetone. 2,624,699, Jan. 6.

Joy, Alfred R., West Hartford, assignor to R. M. Starbuck & Sons, Inc., Hartford, Conn. Adjustable jaw internal wrench with threaded handle. 2,624,222, Jan. 6.

Judd, Jay N., Cambridge, Mass. Combined camera and microscope stand. 2,624,252, Jan. 6.

K T Laboratories, Inc., assignee: See—
Knobel, Max.

Kahle, Victor C., South St. Paul, Minn. Fishhook. 2,624,140, Jan. 6.

Kahn, David: See—
Weisser, Karl, and Kahn.

Kahn, David, Inc., assignee: See—
Weisser, Karl, and Kahn.

Kail, Simon, East Cleveland, Ohio. Display device with interchangeable characters. 2,624,143, Jan. 6.

Kaiser, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Di-carbamylguanidine salts. 2,624,761, Jan. 6.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation, Baltimore, Md. High wet-strength paper and process of making. 2,624,686, Jan. 6.

Kane Chain Company, Incorporated, assignee: See—
Kane, John F.

Kane, John F., assignor to Kane Chain Company, Incorporated, Fall River, Mass. Traction chain fastening device for dual vehicle wheels. 2,624,388, Jan. 6.

Kany, John A., Berkley, assignor to Ford Motor Company, Dearborn, Mich. Torsion spring suspension. 2,624,568, Jan. 6.

Kaplan, Hyman C., assignor, by mesne assignments, to Efficient Equipment, Inc., Chicago, Ill. Self-loading vehicle and controls therefor. 2,624,478, Jan. 6.

Keaton, Frank H., and D. C. Bettison, Omaha, Nebr. Rail flaw detecting apparatus. 2,624,779, Jan. 6.

Keelavite Company Limited, The, assignee: See—
Levetus, Francis B.

Kelite Products, Inc., assignee: See—
Wolford, William O.

Keller, Dan S., assignee: See—
Lynch, Omer E.

Kellogg Switchboard and Supply Company, assignee: See—
Hemmlinger, Paul.

Kelner, Robert C.: See—
Chance, Britton, and Kelner.

Kennedy, Walter, Cliffside Park, N. J. Gas supply for auxiliary appliances. 2,624,330, Jan. 6.

Kennedy, Walter, Cliffside Park, N. J. Broiler for stoves and ranges. 2,624,331, Jan. 6.

Ketchum, Clarence A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment press. 2,624,134, Jan. 6.

Ketzel, Edward E., Dayton, Ohio. Carrier for welding outfits. 2,624,463, Jan. 6.

Kilde Manufacturing Co., Inc., assignee: See—
Noe, Harold C.

Kindeath, Harold V., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Pasting mechanism for bag closing and sealing machines. 2,624,309, Jan. 6.

King, Lucille, Bartow, Fla. Hair curler. 2,624,350, Jan. 6.

Kington, Arthur W., Denham, England. Magazine for translucent strip records. 2,624,231, Jan. 6.

Kington, Arthur W., Denham, England. Apparatus for the reproduction of optical records. 2,624,232, Jan. 6.

Kirby, Sam W.: See—
Cochrane, Harry G., and Kirby.

Kirkpatrick, Alan F., Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Polarizing attachment for microscopes. 2,624,236, Jan. 6.

Kirschbaum, Emil, Grotzingen, near Karlsruhe, assignor to Industrie Werke Karlsruhe Aktiengesellschaft, Karlsruhe, Germany. Sprayer nozzle. 2,624,624, Jan. 6.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Making dense, hard, abrasion resistant ceramic articles. 2,624,097, Jan. 6.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Heat exchange pebble. 2,624,556, Jan. 6.

Kivell, Wayne A.: See—
Fischer, Anthony J., and Kivell.

Klein, Robert L., Rochelle Park, N. J. Sash ventilator. 2,624,263, Jan. 6.

Klewer, Edward A., Sr., Longview, Tex. Engine starter. 2,624,424, Jan. 6.

Klopfenstein, Jess D., Oak Park, assignor to The Meyer-cord Company, Chicago, Ill. Screen printing machine. 2,624,276, Jan. 6.

Knapp, Charles W., Oxford, Kans. Grappling unit. 2,624,811, Jan. 6.
 Knobel, Max, Arlington, assignor to K T Laboratories, Inc., Boston, Mass. Micrometer measuring device. 2,624,121, Jan. 6.
 Knobel, Max, Arlington, assignor to K T Laboratories, Inc., Boston, Mass. Inspection gauge. 2,624,122, Jan. 6.
 Knoderer, Walter A., Akron, Ohio. Cleaning attachment for toothbrushes. 2,624,062, Jan. 6.
 Knoebel, Halsea L., assignor to Philco Corporation, Philadelphia, Pa. Regulated power supply. 2,624,869, Jan. 6.
 Koch, Frederick, Sparta, assignor to C. Todd, as trustee, Rutherford, N. J. Slide feed. 2,624,373, Jan. 6.
 Koch, William J., Midland Park, assignor to Colonial Print Works, Inc., Paterson, N. J. Apparatus for treating webs of fabric. 2,624,190, Jan. 6.
 Kolanda, Joseph A., Milwaukee, and W. P. Neuk, West Allis, Wis. Axle generator system. 2,624,870, Jan. 6.
 Kollman, Paul, New York, N. Y. Construction of exhaust passages of internal-combustion engines. 2,624,171, Jan. 6.
 Kompart, Walter W., Steubenville, Ohio, assignor to National Steel Corporation. Scrap melting. 2,624,563, Jan. 6.
 Korenman, Irving, Forest Hills, N. Y. Tobacco package. 2,624,454, Jan. 6.
 Kosmin, Milton, and A. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal composition. 2,624,666, Jan. 6.
 Kottke, Milton J., Fond du Lac, Wis. Changeable key tag holder. 2,624,139, Jan. 6.
 Kovary, Oliver, New York, N. Y. Adjustable baby bunting. 2,624,048, Jan. 6.
 Krackauer, Aloyus C., Mundelein, Ill. Horizontal plate filter. 2,624,463, Jan. 6.
 Kramer, Clarence F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body construction. 2,624,614, Jan. 6.
 Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Coa Coh, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified and unmodified acrylonitrile copolymer compositions and method of preparing the same. 2,624,722, Jan. 6.
 Krow, Cecil J., Ralston, Okla. Alarm circuit for balers and the like. 2,624,791, Jan. 6.
 Kudrna, Emil J., Denver, Colo. Foldable platform structure. 2,624,058, Jan. 6.
 Kutcher, Charles A., Sheeidan, Wyo. Spark arrester for steam locomotives. 2,624,503, Jan. 6.
 Kyrides, Lucas P., Zealand, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. N-alpha-phenyl aniline. 2,624,743, Jan. 6.
 La Conte, Lucien J. B., Austin, Tex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic aircraft gun fire control computer. 2,624,510, Jan. 6.
 Laing, Gordon F., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Fishing reel. 2,624,524, Jan. 6.
 Lampert, Samuel H., Southbridge, Mass., assignor to Golding Bros. Company, Inc., New York, N. Y. Welding head. 2,624,391, Jan. 6.
 Lamprecht, Joseph A., Cranford, N. J. Bottle carrier. 2,624,498, Jan. 6.
 Lancaster, William J., Orlando, Fla. Exhibition and stage device. 2,624,578, Jan. 6.
 Landis Machine Company, assignee: See—
 Balsiger, Harold E.
 Lang, Delmer T., Palos Verdes Estates, Calif. Heating device. 2,624,332, Jan. 6.
 Langer, Theodore W., Buffalo, and B. F. Mago, North Tonawanda, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Inhibited polyoxyalkylene glycol fluids. 2,624,708, Jan. 6.
 Langner, Emil: See—
 Hedberg, Albert F., and Langner.
 Larsen, Alfred E., Audubon, Iowa. Auxiliary power take-off for tractors. 2,624,416, Jan. 6.
 Larson, Carl H.: See—
 Mago, John P., Larson, and Nelson.
 Larson, Willard A., Preston, Idaho. Wall of hollow building blocks. 2,624,193, Jan. 6.
 Lase O'Scotland Ltd., assignee: See—
 Feldman, Samuel.
 Last, James, Letchworth, England. Weighing apparatus. 2,624,563, Jan. 6.
 Lauffer, Jacob R., Valley Stream, assignor to Miller-Lauffer Printing Equipment Corp., New York, N. Y. Feed mechanism for flexible sheets such as envelopes. 2,624,576, Jan. 6.
 Lawson, David E., assignor to Hupp Corporation, Cleveland, Ohio. Cup dispenser. 2,624,647, Jan. 6.
 Lawson, Dennis I., and A. V. Lord, assignors to Pye Limited, Cambridge, England. Television system. 2,624,797, Jan. 6.
 Lazarevich, Peter, Guilford, Conn. Bolt cutter. 2,624,112, Jan. 6.
 Leader, Sidney A., Hythe, Kent, assignor to Portland Plastics Limited, London, England. Adhesive compositions comprising polymerized methyl methacrylate, an ester of salicylic acid and an organic solvent. 2,624,690, Jan. 6.
 Lear, Incorporated, assignee: See—
 Lear, William P.
 Lear, William P., Santa Monica, Calif., assignor to Lear, Incorporated, Grand Rapids, Mich. Radio selector switch and dial mechanism. 2,624,833, Jan. 6.
 Leas, Earl, Los Angeles, Calif. Angular adapter for cleaning tools. 2,624,061, Jan. 6.
 Lee, Edward F., Detroit, Mich., assignor, by mesne assignments, to Serrick Corporation. Steel barrel. 2,624,486, Jan. 6.
 Le Gloabec, Victor C. E., Rockland, Maine, assignor to Algla Corporation of America, New York, N. Y. Ice cream containing modified gelose compound. 2,624,677, Jan. 6.
 Le Gloabec, Victor C. E., Rockland, Maine, assignor to Algla Corporation of America, New York, N. Y. Recovery of seaweed mucilage. 2,624,727, Jan. 6.
 Leland-Gifford Company, assignee: See—
 Hirvonen, Eric J.
 Lever Brothers Company, assignee: See—
 Thomas, Richard.
 Levetus, Francis B., assignor to The Keelavite Company Limited, Allesley, Coventry, England. Control system for reversible hydraulic motors. 2,624,321, Jan. 6.
 Levin, Robert H., and A. V. McIntosh, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. Bismorebala-4,6-dien-3-one-22-al. 2,624,748, Jan. 6.
 Levy, Hilton B.: See—
 Wallerstein, James S., Hale, Alba, and Levy.
 Lew, Jacob B., assignee: See—
 Sakirsky, Jack.
 Libbey-Owens-Ford Glass Company, assignee: See—
 Bigelow, Maurice H.
 Bunnell, Raymond H.
 Hatcher, David B., and Bunnell.
 Lieberknecht, Karl, Inc., assignee: See—
 Friedmann, Albert.
 Link-Belt Company, assignee: See—
 Baumheckel, Ralph E.
 Munschoot, Albert, and Young.
 Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkyl thiophene sulfonate detergents. 2,624,742, Jan. 6.
 Loef, Jakob, Moosburg, Germany. Hydraulic jack. 2,624,174, Jan. 6.
 Logan, Joseph A.: See—
 Billa, Philip H., Logan, and Mesh.
 Longley, Raymond J.: See—
 Emerson, William S., and Longley.
 Longley, Raymond J., Jr.: See—
 Emerson, William S., and Longley.
 Loomis, Eugene C., Grosse Pointe Park, assignor to Parke, Davis & Company, Detroit, Mich. Fibrinolysin derived from blood and method of obtaining the same. 2,624,691, Jan. 6.
 Lord, Arthur V.: See—
 Lawson, Dennis I., and Lord.
 Loughlin, Bernard D., Lynbrook, N. Y., assignor to Haaseltine Research, Inc., Chicago, Ill. Tuning indicator system. 2,624,837, Jan. 6.
 Love, Hugh E., Jr., Pasadena, Calif. Pln. 2,624,087, Jan. 6.
 Lowe, Wesley G.: See—
 Tarkington, Ralf G., and Lowe.
 Lowson, Murray H., Abadan, Iran, assignor to Anglo-Iranian Oil Company Limited, London, England. Method and apparatus for the detection of water. 2,624,782, Jan. 6.
 Lukavavicz, Walter, San Francisco, Calif. Window ventilator. 2,624,402, Jan. 6.
 Lummus Company, The, assignee: See—
 Schutte, August H.
 Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Apparatus for assembling storage battery elements. 2,624,106, Jan. 6.
 Lunde, Einar O., Wyckoff, N. J., assignor to Major Car Corporation, New York, N. Y. Car buffer. 2,624,471, Jan. 6.
 Lunde, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Turnover hanger for tongs. 2,624,550, Jan. 6.
 Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Drain spout for refrigerator cars. 2,624,419, Jan. 6.
 Lynch, Omer E., Jonesboro, assignor of fifty per cent to D. S. Keller, Ottwell, Ark. Two-way adjustable screen. 2,624,405, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,626, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,627, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,628, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,629, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,630, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,631, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,632, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel structure. 2,624,633, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,634, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel structure. 2,624,636, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel trim assembly. 2,624,637, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,638, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,639, Jan. 6.
 Lyon, George A., Detroit, Mich. Wheel cover. 2,624,640, Jan. 6.
 Lyon, George A., Jr., Detroit, Mich. Wheel cover. 2,624,635, Jan. 6.
 Lytle, William O., New Kensington, Pa., assignor to Pittsburg Plate Glass Company. Electroconductive article. 2,624,823, Jan. 6.
 Macomber Incorporated, assignee: See—
 Macomber, Robert C.
 Macomber, Robert C., assignor to Macomber Incorporated, Canton, Ohio. Fabricated joint. 2,624,430, Jan. 6.
 MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Vehicle wheel suspension system. 2,624,592, Jan. 6.
 Mader, Emil A., assignor of one-half to J. Spargo, Detroit, Mich. Spring counterbalanced louver mechanism. 2,624,265, Jan. 6.
 Magee Carpet Company, The, assignee: See—
 Groat, Francis P.
 Mager, Eric L., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Electroluminescent lamp. 2,624,867, Jan. 6.
 Magnuson, Amiel W., Minneapolis, Minn. Measuring instrument. 2,624,119, Jan. 6.
 Mago, Blake F.: See—
 Langer, Theodore W., and Mago.
 Major Car Corporation, assignee: See—
 Lunde, Einar O.
 Mago, John P., Wilmette, C. U. Larson, Berwyn, and A. B. Nelson, assignors to Crane Co., Chicago, Ill. Shower head. 2,624,625, Jan. 6.
 Magrath, George, Whitinsville, Mass. Bobbin clutch. 2,624,520, Jan. 6.
 Mako, Elias R., Cleveland, Ohio. Process for making glazed or candied fruit. 2,624,676, Jan. 6.
 Maltbie, Floyd V.: See—
 Eberle, George A., Zuchowski, and Maltbie.
 Manning, Clarence R., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Record perforation analyzing mechanism. 2,624,511, Jan. 6.
 Marathon Corporation, assignee: See—
 Brocken, Frank L.
 Mariani, Frank N., New York, N. Y. Table lighter. 2,624,187, Jan. 6.
 Markem Machine Company, assignee: See—
 Harvey, Bertrand G.
 Putnam, David F., Robbins, and Meyers.
 Robbins, Charles F.
 Martin, Clarence F., Lombard, Ill. Illuminated sign structure. 2,624,141, Jan. 6.
 Martin Fabrics Corporation, assignee: See—
 Griefen, Richard A.
 Martin, Stephen M.: See—
 Dubpernell, George, and Martin.
 Marvel Specialty Company, Incorporated, assignee: See—
 Brown, Merle M.
 Mason, Frank L.: See—
 Mason, Samuel L., and F. L., Birmingham, Ala. Metal window screen frame. 2,624,428, Jan. 6.
 Massey-Harris Company, The, assignee: See—
 Todd, Everett W.
 Mathieson Chemical Corporation, assignee: See—
 Kamlet, Jonas.
 Matson, Charles L., Chicago, Ill. Fountain comb. 2,624,348, Jan. 6.
 Mattox, William E.: See—
 Moore, Frank C., and Mattox.
 Maxey, William J., Easton, Pa., and H. L. Sanders, Philadelphia, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Noncorrosive fire extinguishing composition. 2,624,706, Jan. 6.
 Maxim Silencer Company, The, assignee: See—
 Bourne, Roland B.
 McBee Company, The, assignee: See—
 Welk, Nelson S.
 McCabe, Ira E., Chicago, Ill. Voltage regulating relay. 2,624,818, Jan. 6.
 McCandless, William, Toledo, Ohio. Tank head fitting with safety factor. 2,624,821, Jan. 6.
 McCauley, Walter P., San Francisco, Calif. Clothes pole supporting bracket. 2,624,468, Jan. 6.
 McCracken, Collins P., Inglewood, and E. L. Chrlauman, South Gate, Calif. Auxiliary steam generator for steam pressing irons. 2,624,828, Jan. 6.
 McCray Refrigerator Company, Inc., assignee: See—
 Greiling, David J.
 McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning or extrusion apparatus. 2,624,070, Jan. 6.
 McGraw, William J., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Lactone derivatives and method of making. 2,624,723, Jan. 6.
 McKee, Arthur G., & Company, assignee: See—
 Craig, John J., Dunasky, Morgan, and Foell.
 McKee, Hilton J.: See—
 Burge, James S., McKee, and Goodwin.
 McKensie, Thomas R., Milwaukee, Wis. Rotary adhesive roll fabric cleaning device. 2,624,060, Jan. 6.
 McLean, John B., Yonkers, N. Y. Propelling system for locomotives and other vehicles. 2,624,260, Jan. 6.
 McMillan, Edwin M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method of and apparatus for accelerating to high energy electrically charged particles. 2,624,841, Jan. 6.
 McMullan, Orin W., Belleville, assignor to Bower Roller Bearing Company, Detroit, Mich. Process of heat-treating alloy steel. 2,624,687, Jan. 6.
 McNally, James A., United States Navy. Projectile. 2,624,281, Jan. 6.
 McNeill, Angus, Chicago, Ill. Cigarette lighter. 2,624,188, Jan. 6.
 McRae, Edwin C., assignor to Ford Motor Company, Dearborn, Mich. Vehicle transmission. 2,624,215, Jan. 6.
 Meagher, Ralph E., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sensitivity control circuit for a radar receiver. 2,624,871, Jan. 6.
 Mears, William T., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Socket connector having removable terminals. 2,624,778, Jan. 6.
 Meeker Company, Inc., The, assignee: See—
 Eliff, Orla S.
 Melster, Sam H., Shaker Heights, assignor, by mesne assignments, to Melstergram Corporation, Cleveland, Ohio. Monogramming machine. 2,624,302, Jan. 6.
 Melstergram Corporation, assignee: See—
 Melster, Sam H.
 Melamed, Sidney, Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Robm & Haas Company, Philadelphia, Pa. Heterocyclic compounds containing sulfur and nitrogen in the ring. 2,624,726, Jan. 6.
 Melaro, Rose E., Oakmont, Pa. Waving hair. 2,624,347, Jan. 6.
 Melnikoff, Zachary: See—
 Bianco, Elias, and Melnikoff.
 Mengers, Charles A.: See—
 Hang, John S., and Mengers.
 Mergenthaler Linotype Company, assignee: See—
 Dinga, Emil W.
 Mergner, Clarence F., Newark, N. J. Adjustable window ventilator. 2,624,264, Jan. 6.
 Merrill, Wm. S., Company, The, assignee: See—
 Werner, Harold W., and Wilpert.
 Merrilam Manufacturing Company, The, assignee: See—
 Roden, George L., and Wilpert.
 Merrill, Homer D., and C. J. Gaiser, Berkeley, Calif., assignors to The Reaction Products Company. Manufacture of free-flowing crystalline solids. 2,624,500, Jan. 6.
 Mesh, Theodore J.: See—
 Billa, Philip H., Logan, and Mesh.
 Messick, Kirwan Y., Arlington, assignor of one-quarter to F. G. Campbell, Arlington County, Va. Power-operated elevator and tail gate. 2,624,477, Jan. 6.
 Metal & Thermit Corporation, assignee: See—
 Coffeen, William W.
 Metals & Controls Corporation, assignee: See—
 Payette, Joseph A.
 Meyer, Elmore B., Jr., Shaker Heights, Ohio. Velocipede accessory for producing noise. 2,624,156, Jan. 6.
 Meyercoed Company, The, assignee: See—
 Klopfenstein, Jewa D.
 Meyers, Otto B.: See—
 Putnam, David F., Robbins, and Meyers.
 Michals, Betty, assignee: See—
 Redlin, Lorraine A.
 Miller, August E., Cliffside Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Hermetic variable gap crystal holder. 2,624,854, Jan. 6.
 Miller, Casper J., Los Angeles, Calif. Vibratory massage device. 2,624,335, Jan. 6.
 Miller, Daniel W.: See—
 Brown, Edward G., and Miller.
 Miller, Donald F., assignee: See—
 Pomagalski, Jean.
 Miller, Donald L., Horseheads, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,624,202, Jan. 6.
 Miller, Jacob P.: See—
 Gelles, William H., and Miller.
 Miller, John H., Lewiston, assignor to National Lead Company, New York, N. Y. Zirconium oxide polishing material. 2,624,661, Jan. 6.
 Miller-Lauffer Printing Equipment Corp., assignee: See—
 Lauffer, Jacob R.
 Mills, Lindley E., Kalamazoo, Mich. Measuring device. 2,624,120, Jan. 6.
 Miner, W. H., Inc., assignee: See—
 Deutler, Arnold E.
 Ministry of Supply, The, assignee: See—
 Carmichael, Hugh.
 Moeller, Carl A.: See—
 Claff, Clarence L., and Moeller.
 Moler, Charles C., assignor to Overhead Door Corporation, Hartford City, Ind. Adjustable roller supporting bracket for vertically movable doors. 2,624,065, Jan. 6.

Molinar, Ruth F., Mexico City, Mexico. Interlocking card tray and card holder. 2,624,582, Jan. 6.
 Molnar, Erwin P., Chaska, Minn. Cleaner for sugar beets and the like. 2,624,458, Jan. 6.
 Molyneux, Cecil P., Southampton, assignor to Filtrona, Incorporated, Long Island City, N. Y. Lubricating system for internal-combustion engines and filter structure for use therein. 2,624,422, Jan. 6.
 Monasanto Chemical Company, assignee: See—
 Bjorksten, Johan A., and Eisen.
 Blake, Edward S.
 Butler, John M.
 Darby, Joseph R.
 Downey, Paul M.
 Emerson, William S., and Longley.
 Erickson, Floyd B., and Schlesinger.
 Gluesenkamp, Earl W.
 Hurley, Forrest R.
 Kosmin, Milton, and Schlesinger.
 Kyrides, Lucas P.
 Mowry, David T., and Schlesinger.
 Park, Harold F.
 Schlesinger, Arthur H.
 Wildish, Myron F.
 Moore, Emanuel M., Pine Bluff, Ark. Earth moving apparatus. 2,624,415, Jan. 6.
 Moore, Frank C., Louisville, Ky., and W. E. Mattox, Indianapolis, Ind. Dispensing gun. 2,624,338, Jan. 6.
 Moore, Henry T., Greenfield, Mass. Auxiliary planer. 2,624,382, Jan. 6.
 Moore, Marlin C., Elm Grove, Wis. Lubricating device. 2,624,423, Jan. 6.
 Morey, Carl, Hamilton, Ohio, assignor, by mesne assignments, to Clearing Machine Corporation, Planer head. 2,624,244, Jan. 6.
 Morgan, Jack F.: See—
 Beatehorn, Heinrich H., and Morgan.
 Morgan, Milton F.: See—
 Craig, John J., Dunasky, Morgan, and Foell.
 Morris, Rupert C., Berkeley, J. L. Van Winkle, San Lorenzo, and D. E. Winkler, Orinda, assignors to Shell Development Company, San Francisco, Calif. Esters of tertiary alkyl-substituted aromatic acids. 2,624,752, Jan. 6.
 Morrison, George L., Evanston, Ill. Preparation of printing surfaces for photographing. 2,624,700, Jan. 6.
 Morrison, Harold E., St. Joseph, Mich., assignor to Whirlpool Corporation, Safety switch cutout for automatic laundry machines. 2,624,404, Jan. 6.
 Morrison, Willard L., Lake Forest, Ill. Evaporator structure. 2,624,554, Jan. 6.
 Moss, John: See—
 Hritten, Lawie F., Jenkins, and Moss.
 Motley, Robert L., Dayton, Ohio. Ear protecting device. 2,624,051, Jan. 6.
 Moulton, Joseph D., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Primary battery. 2,624,767, Jan. 6.
 Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monasanto Chemical Company, St. Louis, Mo. Herbicides. 2,624,664, Jan. 6.
 Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monasanto Chemical Company, St. Louis, Mo. Trichloroethylidene cyanacetate acid allyl ester and process. 2,624,751, Jan. 6.
 Moyer, Joseph, assignor to The Hoover Company, North Canton, Ohio. Illuminated electric iron. 2,624,832, Jan. 6.
 Mueller, Delbert L.: See—
 Tachabold, Gottfried L., and Mueller.
 Mueller, Robert A., and R. L. Crain, assignors to Gray Tool Company, Houston, Tex. Oil well hanger. 2,624,413, Jan. 6.
 Mulfinger, Rudolph C., Sioux City, Iowa, assignor to Andis Tipper Company, Racine, Wis. Lather mixing machine. 2,624,617, Jan. 6.
 Muntz, George, Jr., Port Washington, N. Y. High-frequency dielectric heating apparatus. 2,624,830, Jan. 6.
 Muro, Joseph, Newtonville, Mass., assignor to The Gillette Company. Blade dispensing magazine with feed slide. 2,624,453, Jan. 6.
 Murphy, Clausat H., Amarillo, assignor of one-half to L. Murphy, Plainview, Tex. Expandable elevator plug. 2,624,610, Jan. 6.
 Murphy, Lee, assignee: See—
 Murphy, Clausat H.
 Muschoot, Albert, Park Ridge, Ill., and C. M. Young, Jr., Philadelphia, Pa., assignors to Link-Belt Company. Vibrator for discharging hopper bottom containers. 2,624,479, Jan. 6.
 Musselman, Alvin J., deceased, Santa Barbara, Calif.; County National Bank and Trust Company of Santa Barbara and M. M. Musselman, executors. Air chamber wheel. 2,624,387, Jan. 6.
 Musselman, Morris M., executor: See—
 Musselman, Alvin J.
 Myers, Harold L., Morristown, N. J. Window display receptacle with folding easel. 2,624,455, Jan. 6.
 National Airoil Burner Company, Incorporated, assignee: See—
 Straitz, John F.
 National Lead Company, assignee: See—
 Miller, John B.
 National Pneumatic Co., Inc., assignee: See—
 Andersen, Eric E.
 National Rejectors, Inc., assignee: See—
 Anderson, John L.
 National Steel Corporation, assignee: See—
 Kompart, Walter W.
 Navy, United States of America as represented by the Secretary of the, assignee: See—
 Everhart, Edgar, and Bogrow.
 Nebel, Martin, Philadelphia, Pa. Musical instrument bow. 2,624,225, Jan. 6.
 Nedzel, Vlachoslav A., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus and method for measuring magnetic flux. 2,624,783, Jan. 6.
 Nelson, Allan K., Highland Park, Mich. Rotary data specifier for stock parts. 2,624,140, Jan. 6.
 Nelson, Axel B.: See—
 Magos, John P., Larson, and Nelson.
 Nelson, Jessie A., and D. I. Wilhoit, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of War. Broad band antenna. 2,624,844, Jan. 6.
 Neuok, Walter P.: See—
 Kolanda, Joseph A., and Neuok.
 Newman, Edgar W., Evansville, Ind. Car top boat carrier. 2,624,497, Jan. 6.
 Nichols, Nathan P., Danvers, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Plug-in magnetron and mount therefor. 2,624,865, Jan. 6.
 Nielsen, Frank S., Oakland, Calif. Automatic differential lock. 2,624,216, Jan. 6.
 Nixon, Jedd D., New Braunfels, Tex. Apparatus for secondary recovery in oil wells. 2,624,410, Jan. 6.
 Noe, Harold C., Upper Montclair, assignor to Kiddle Manufacturing Co., Inc., Bloomfield, N. J. Letoff device for knitting machines. 2,624,184, Jan. 6.
 Norfolk Paper Company, Inc., assignee: See—
 Claff, Clarence L., and Moeller.
 Nolte, Albert C., assignee: See—
 Zuckerman, Sidney.
 North America Aviation, Inc., assignee: See—
 Eberle, George A., Zuchowski, and Maltbie.
 Northrop Aircraft, Inc., assignee: See—
 Hancock, Robert D., and Prothera.
 Norton Company, assignee: See—
 Kuttler, Samuel S.
 Teague, Ernest D.
 Nuttall, Charles E., Sharptown, Md. Pastry forming machine. 2,624,296, Jan. 6.
 Nuttall, Charles E., Sharptown, Md. Automatic cake baking machine. 2,624,297, Jan. 6.
 Nyberg, Curt E., assignor to Vall Manufacturing Company, Chicago, Ill. Desk stapler. 2,624,046, Jan. 6.
 Nyquist, Arthur S.: See—
 Kropp, Edward L., and Nyquist.
 Odlin Corporation, assignee: See—
 Svenson, Ernest J.
 Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: See—
 Saunders, Norman B.
 Ohio Crankshaft Company, The, assignee: See—
 Vaughan, John T.
 Okahara, Hisashi H., Hilo, Hawaii. Alphabet game device. 2,624,127, Jan. 6.
 Okon, Joseph R., Lockport, Ill. Machine for cleaning oil cooler radiators, etc. 2,624,354, Jan. 6.
 Okonite Company, The, assignee: See—
 Gooding, Francis H.
 Olson, Henry L., assignor to Camfield Manufacturing Company, Grand Haven, Mich. Electric bread toaster. 2,624,267, Jan. 6.
 Olving, Brod G., assignee: See—
 Hendrickson, Fritz E.
 Onasch, Frederick A., Milwaukee, Wis. Mixing faucet. 2,624,586, Jan. 6.
 O'Neill, Edith L., assignee: See—
 O'Neill, Frank E.
 O'Neill, Frank E., assignor to E. L. O'Neill, Los Angeles, Calif. Cutting apparatus for well conduits. 2,624,409, Jan. 6.
 Osborne, Henry H., assignor to L. M. Jansen, Gresham, Oreg. Safety device for vehicle brake systems. 2,624,176, Jan. 6.
 Overhead Door Corporation, assignee: See—
 Moler, Charles C.
 Overly Biochemical Research Foundation Inc., The, assignee: See—
 Wallerstein, James S., Hale, Alba, and Levy.
 Owen, William L., Baton Rouge, La. Method maintaining micro-organisms in a viable state. 2,624,692, Jan. 6.
 Oxy-Dry Sprayer Corporation, assignee: See—
 Bungay, George W.
 Paci, Beniamino M., Caracas, Venezuela. Device for drawing circles. 2,624,117, Jan. 6.
 Page, Harry C., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Flexure-sensitive electromechanical transducer device. 2,624,853, Jan. 6.
 Pagendarm, Edward J.: See—
 Baker, Thomas R., and Pagendarm.
 Pankonin, William G., Chicago, Ill. Staple remover. 2,624,545, Jan. 6.

Park, Harold F., East Longmeadow, Mass., assignor to Monasanto Chemical Company, St. Louis, Mo. Polymerization of vinyl chloride in an aqueous emulsion. 2,624,724, Jan. 6.
 Park, Ralph S., Swarthmore, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Electrolytic fluorine cell. 2,624,703, Jan. 6.
 Parke, Davis & Company, assignee: See—
 Loomis, Eugene C.
 Parker, Charles A., and C. K. Rainey, assignors to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Hammer operating mechanism. 2,624,275, Jan. 6.
 Parker, Leon, Glendale, and B. J. Zack, Compton, assignors to The H. I. Thompson Company, Los Angeles, Calif. Method for forming silica fibers. 2,624,658, Jan. 6.
 Parmely, Lyle E., Columbus, Ohio. Automobile seat lock. 2,624,813, Jan. 6.
 Parten, Gustave A., assignor to Schuts-O'Neill Co., Minneapolis, Minn. Gas separator for grinding mills. 2,624,460, Jan. 6.
 Pasquel, Battista, assignee: See—
 Giorgi, Adelmo.
 Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Pulse echo system with time sensitivity control. 2,624,875, Jan. 6.
 Payette, Joseph A., North Attleboro, assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical contact. 2,624,820, Jan. 6.
 Pearson, Frank A., assignor to Eagle Signal Corporation, Moline, Ill. Traffic signaling system and apparatus. 2,624,793, Jan. 6.
 Pearson, John M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Flowmeter. 2,624,198, Jan. 6.
 Peechukas, Alphonse, Akron, Ohio, assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Process of producing phosphate ester. 2,624,750, Jan. 6.
 Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 2,624,621, Jan. 6.
 Pendleton, Pyram L., Cranston, R. I., assignor to Hampton Machine Company. Apparatus for fluid treatment of filamentary materials. 2,624,189, Jan. 6.
 Perier, Lee A., Sunnyside, Wash. Flow adjustment for railway ballast removing machines. 2,624,130, Jan. 6.
 Perkins, Roger A.: See—
 Binder, William O., and Perkins.
 Perlow, Gilbert J., and E. R. Haberland, Washington, D. C. Electronic fluxmeter and alternating current amplifier. 2,624,778, Jan. 6.
 Peters, Wilhelm F., Frankfurt-on-the-Main-Niederrussel, and J. Riesinger, Frankfurt-on-the-Main, Germany, assignors to V. J. Delhomme, New York, N. Y. Method and composition for repairing fire hoses. 2,624,689, Jan. 6.
 Peterson Oven Company, The, assignee: See—
 Wallman, Clifford G.
 Peterson, Clarence J., Watsonville, Calif. Conveyor mechanism for box wrapping machines. 2,624,448, Jan. 6.
 Peterson, Reuben E., Fergus Falls, Minn. Door opening and closing mechanism. 2,624,569, Jan. 6.
 Peterson, William R.: See—
 Hartman, Carl H., Peterson, and Griswold.
 Peugeot, William R., Wichita, Kans. Paper jogging machine. 2,624,577, Jan. 6.
 Phelps, Byron E.: See—
 Dickinson, Arthur H., Phelps, and Bergfors.
 Phelps, Byron E., Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y. Electronic calculating machine. 2,624,507, Jan. 6.
 Philadelphia Rust-Proof Co., assignee: See—
 Helman, Samuel.
 Philco Corporation, assignee: See—
 Knoebel, Haines L.
 Phillips, Fred C., Stoughton, Mass. Calk for golf shoes. 2,624,128, Jan. 6.
 Phillips, Leonard R., Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Device for delivering air into enclosures. 2,624,262, Jan. 6.
 Phillips, Norman W. F., Arvida, Quebec, assignor to Aluminum Laboratories Limited, Montreal, Quebec, Canada. Electrical contact between aluminum and graphite. 2,624,772, Jan. 6.
 Phillips Petroleum Company, assignee: See—
 Sallors, Howard R.
 Photo-switch Incorporated, assignee: See—
 Giuffrida, Philip.
 Pierce, Sam A., Cairo, Ga. Nut cleaning and polishing machine. 2,624,059, Jan. 6.
 Pittsburgh-Erie Saw Corporation, assignee: See—
 Valliquet, Albert D.
 Pittsburgh Plate Glass Company, assignee: See—
 Lytle, William O.
 Plant, Thomas G., San Francisco, Calif. Collapsible baby pen. 2,624,054, Jan. 6.
 Plawner, Felix, Nurnberg, Germany. Wheeled sounding toy. 2,624,154, Jan. 6.
 Plummer, Fred L.: See—
 Flno, Alexander F., and Plummer.
 Polaroid Corporation, assignee: See—
 Blout, Elkan R., Campbell, Corley, and Snow.
 Blout, Elkan R., Corley, and Snow.
 Fairbank, Murry N.
 Pomagalski, Jean, Grenoble, France, assignor to D. F. Miller, South Orange, N. J. Endless cable conveyor carrying loads that are suspended or remain in contact with the ground. 2,624,289, Jan. 6.
 Porter, Kirk E., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Whistling teakettle and handle. 2,624,493, Jan. 6.
 Porter, N., Saddle and Harness Company, assignee: See—
 Dias, Domingo O.
 Porter, Omer J., Sacramento, Calif. Apparatus for earth compaction. 2,624,251, Jan. 6.
 Portland Plastics Limited, assignee: See—
 Leader, Sidney A.
 Potter, John T., Port Washington, N. Y. Matrix storage system. 2,624,786, Jan. 6.
 Power Brake Equipment Co., assignee: See—
 Williams, Norman C.
 Price, Garfield C., Gary, Ind. Reversible electrical connector. 2,624,776, Jan. 6.
 Price, Raymond M.: See—
 Roche, Arthur F., and Price.
 Prismatic, Inc., assignee: See—
 Jacobsen, Walter E., and W. H.
 Prichard, Levi T., Tulsa, Okla., assignor to Dry Ice Converter Corporation. Cover for high-pressure vessels. 2,624,488, Jan. 6.
 Pritsker, George G., Sausalito, and D. E. Adelson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,624,707, Jan. 6.
 Proctor Electric Company, assignee: See—
 Hild, Henry F.
 Prothers, Lloyd T.: See—
 Hancock, Robert D., and Prothers.
 Pugh, William J., Piedmont, Calif. Manufacturing plural hose. 2,624,073, Jan. 6.
 Pugh, William J., Piedmont, Calif. Plural hose. 2,624,366, Jan. 6.
 Pullman Sales Corporation, assignee: See—
 Holte, Paul C.
 Puls, Herman, New York, N. Y. Baking machine. 2,624,295, Jan. 6.
 Pump Development Company, assignee: See—
 Hall, Ellis C.
 Putnam, David F., and C. F. Robbins, Keene, N. H., and O. B. Meyers, Quakertown, Pa., assignors to Markem Machine Company, Keene, N. H. Marking machine. 2,624,279, Jan. 6.
 Pye Limited, assignee: See—
 Lawson, Dennis L., and Lord.
 Pyramid Rubber Company, The, assignee: See—
 Boston, Frank E.
 Quinche, Albert: See—
 Strahm, André, and Quinche.
 Quinlan, Vincent J., Irondequoit, N. Y. Oil filling nozzle and coupling. 2,624,598, Jan. 6.
 Radio Corporation of America, assignee: See—
 Arensberg, Stewart L.
 Atwood, John B.
 Dean, William W. H.
 Herzhberger, William D.
 Widdop, Mary E., and Dimmick.
 Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Hydraulic booster operated well packer. 2,624,412, Jan. 6.
 Rainey Accounting Machine Company, Inc., assignee: See—
 Parker, Charles A., and Rainey.
 Rainey, Clifton K.: See—
 Parker, Charles A., and Rainey.
 Ramsay, Charles A., Detroit, Mich. Bookholder. 2,624,466, Jan. 6.
 Randall, David L., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Chloromethylated arylphthalimides. 2,624,741, Jan. 6.
 Randol, Glenn T., St. Louis, Mo. Automotive friction clutch. 2,624,432, Jan. 6.
 Raney, William G., Shaker Heights, Ohio. Fluid coupling with relatively axially movable vane members. 2,624,175, Jan. 6.
 Rapp, Julius, Forest Hills, assignor to Stein, Hall & Company, Inc., New York, N. Y. Envelope seam gum and a method of preparing it. 2,624,681, Jan. 6.
 Ratte, William G., Lawrence, Mass. Fastener for storm sash and the like. 2,624,605, Jan. 6.
 Rawlins, Herbert L., Pittsburgh, and J. M. Wallace, Bradock, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,624,817, Jan. 6.
 Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Safety control fuel valve. 2,624,358, Jan. 6.
 Raytheon Manufacturing Company, assignee: See—
 Brown, William C.
 Faulk, Donald P.
 Reg, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distortion measuring apparatus. 2,624,805, Jan. 6.
 Reaction Products Company, The, assignee: See—
 Merrill, Homer D., and Gaiser.

Redheffer, Raymond, Cambridge, Mass., assignor, by means assignments, to the United States of America as represented by the Secretary of War. Radio wave radiating system. 2,624,843, Jan. 6.

Redlin, Lorraine A., Chicago, assignor of one-half to Betty Michaels, Winnetka, Ill. Adjustable baby bonnet. 2,624,052, Jan. 6.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Gaseous discharge device. 2,624,866, Jan. 6.

Reilly, John H., Whittier, Calif. Well pump with successive pistons. 2,624,288, Jan. 6.

Renfrew, Edgar E.: See—

Randall, David L., and Renfrew.

Research Engineering & Manufacturing, Inc., assignee: See—

Brown, Frank K.

Reynolds, William J.: See—

Wright, Esmond P. G., Gould, Hargreaves, and Reynolds.

Rheem Manufacturing Company, assignee: See—

Walter, Robert B.

Rice, Ernest G., Chicago, Ill. Web handling mechanism. 2,624,573, Jan. 6.

Richards, Paul L., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Tunable band-pass coaxial filter. 2,624,801, Jan. 6.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Rear-end loader for tractors. 2,624,481, Jan. 6.

Rickenbach, August W., Williamsport, Pa., assignor to Ayco Manufacturing Corporation, Cincinnati, Ohio. Thermostatic regulating device. 2,624,512, Jan. 6.

Rickus, George M.: See—

Vickers, Irving H., and Rickus.

Riesinger, Josef: See—

Peters, Wilhelm F., and Riesinger.

Rines, Robert H., Brookline, Mass. Electrical apparatus for solving right triangles. 2,624,874, Jan. 6.

Robbins, Charles F.: See—

Putnam, David F., Robbins, and Meyers.

Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Marking machine. 2,624,278, Jan. 6.

Robertson, Milton S., Campbell, Calif. Spray apparatus. 2,624,615, Jan. 6.

Roche, Arthur F., Freehold, and R. M. Price, assignors to The Daw Chemical Company, Midland, Mich. Heat stabilized molding compositions of vinyl aromatic polymers and method of making the same. 2,624,719, Jan. 6.

Rockwell, Harvey W., Cedar Rapids, Iowa, assignor, by means assignments, to Allis-Chalmers Manufacturing Company. Bulldozer with push frame stabilizer mechanism. 2,624,131, Jan. 6.

Rockwell, Ronald J., Cincinnati, Ohio. Phonograph. 2,624,584, Jan. 6.

Roe, Ernest, assignee: See—

Schulze, Kurt E.

Rothm & Lass Company, assignee: See—

Melamed, Sidney, and Croxall.

Rose, E. A., Inc., assignee: See—

Rose, Ernest A.

Rose, Ernest A., assignor to E. A. Rose, Inc., New Orleans, La. Heat exchanger. 2,624,552, Jan. 6.

Rosenthal, Jacob R., New York, N. Y. Smoking pipe. 2,624,345, Jan. 6.

Rotaprint Akt. Ges., assignee: See—

Babat, Otto.

Round, Albert W., Torrington, Conn. Nontwisting fish lure and spoon. 2,624,147, Jan. 6.

Rouy, Auguste L. M. A., New York, N. Y. Positioning device. 2,624,537, Jan. 6.

Row, John R., Elmira, N. Y. Mold and coremaking machine. 2,624,684, Jan. 6.

Rowe, Julian F., Stewart Manor, N. Y. Fork for handling bricks and other units. 2,624,608, Jan. 6.

Rude, Nordahl L., Eau Claire, Wis. Detachable guardrail for beds. 2,624,055, Jan. 6.

Rudkin, Eric P., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Radio receiver employing band pass coupling circuit arrangements. 2,624,838, Jan. 6.

Rumbaugh, Hugh M., Bath, Ohio. Smooth impeller dishwasher. 2,624,356, Jan. 6.

Runniger, Frederick L., Cleveland, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Ore. Pressure controller. 2,624,868, Jan. 6.

Russell, John R., Dayton, Ohio. Driven nut. 2,624,386, Jan. 6.

Russell, Peter R.: See—

Hitchings, George H., and Russell.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve gear length compensation. 2,624,324, Jan. 6.

Saacke, G. Rudolph, Brooklyn, assignor, by means assignments, to T. Heilig, Long Beach, N. Y. Aerosol dispenser and valve construction. 2,624,623, Jan. 6.

Sallors, Howard R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of hydrogen sulfide. 2,624,694, Jan. 6.

St. Aubin, Arthur P., Yakima, Wash. Combined headrest and back rest. 2,624,397, Jan. 6.

St. Regis Paper Company, assignee: See—

Hartman, Carl H., Peterson, and Griswold.

Sakirsky, Jack, Bridgeport, Conn., assignor to J. B. Law, Brooklyn, N. Y. Lighting outfit subassembly machine. 2,624,101, Jan. 6.

Sandera, Herbert L.: See—

Maxcy, William J., and Sanders.

Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Door latch mechanism. 2,624,292, Jan. 6.

Sanford Investment Company, The, assignee: See—

Sanford, Hugh W.

Sanitary Tampon Corporation, assignee: See—

Winter, Mahlon A., and Snyder.

Saunders, Norman B., Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Signal transducer with distortion compensating amplifier. 2,624,796, Jan. 6.

Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Machine and method for purifying the inert gases. 2,624,421, Jan. 6.

Savella, Jack and N., Cheboygan, Mich. Toy suspension hobbyhorse. 2,624,579, Jan. 6.

Savella, Nora: See—

Savella, Jack and N.

Sawitske, Arthur W., Cleveland, Ohio. Fishing reel device. 2,624,523, Jan. 6.

Saxe, Van Rensselaer P., Baltimore, Md. Metal connection for building frames. 2,624,429, Jan. 6.

Saxman, Edwin F., Jr.: See—

Weeks, Charles M., and Saxman.

Sayre, James E., Little Neck, N. Y. Advertising display device. 2,624,142, Jan. 6.

Schaefer, Edward E., Oak Park, Ill. Cord attachment for Venetian blinds. 2,624,086, Jan. 6.

Schaffer, David J.: See—

Fricke, Guy C., and Schaffer.

Schalbe Company, The, assignee: See—

Hyde, Robert W.

Schitt, Earl A., assignor to Zarembo Company, Buffalo, N. Y. Falling film evaporator with subadjacent separating chamber. 2,624,401, Jan. 6.

Schlesinger, Arthur: See—

Kosmin, Milton, and Schlesinger.

Schlesinger, Arthur H.: See—

Erickson, Floyd B., and Schlesinger.

Mowry, David T., and Schlesinger.

Schlesinger, Arthur H., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Herbicidal composition. 2,624,665, Jan. 6.

Schmidt Mfg. Co., assignee: See—

Schmidt, Vincent R.

Schmidt, Vincent R., Fairhaven, assignor to Schmidt Mfg. Co., New Bedford, Mass. Lifting dolly. 2,624,476, Jan. 6.

Schulser, Maurine, assignee: See—

Schroeder, Henry L.

Schneider, William A., Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Sheath stripper for cable having twisted conductors. 2,624,221, Jan. 6.

Schott, Donald E., Flushing, N. Y. Differential. 2,624,213, Jan. 6.

Schrader, Gerhard, Opladen-Bruchhausen, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Process for the manufacture of esters of thiophosphoric acid. 2,624,745, Jan. 6.

Schrock, Jacob N., and C. E. and H. Watson, Phoenix, Ariz. Automatic lot weighing machine. 2,624,538, Jan. 6.

Schroeder, Henry L., deceased, Chicago, Ill.; G. H. Arnold, executor, assignor to J. Jarvis and M. Schmisser. Game indicating card table top. 2,624,583, Jan. 6.

Schryver, Herbert C.: See—

Schofield, Robert O., and Schryver.

Schulze, Kurt E., assignor to E. Roe, doing business as Coast Wire Company, San Francisco, Calif. Wire tying machine. 2,624,375, Jan. 6.

Schutte, August H., Hastings-on-Hudson, assignor to The Lummus Company, New York, N. Y. Continuous carbonization of coal and oil mixtures. 2,624,690, Jan. 6.

Schuts-O'Neill Co., assignee: See—

Parten, Gustave A.

Schweik, Julius A., Clayton, assignor to Security Fire Door Company, St. Louis, Mo. Elevator shaft door. 2,624,081, Jan. 6.

Schofield, Robert O., and H. C. Schryver, Warren, Ohio, assignors to General Motors Corporation, Detroit, Mich. Stator winding machine. 2,624,518, Jan. 6.

Scoville, Ray R., assignee: See—

Hughes, Albert F.

Seagren, Carl E., assignor to Carl Seagren Enterprises, Brooklyn, N. Y. Apparatus for making three-dimensional ornamental units in the nature of decalcomania. 2,624,294, Jan. 6.

Seagren, Carl, Enterprises, assignee: See—

Seagren, Carl E.

Seals, Rose M., Newport, Ky. Sanitary bell. 2,624,340, Jan. 6.

Security Fire Door Company, assignee: See—

Schweig, Julius A.

Seeburg, J. P., Corporation, assignee: See—

Bodoh, Ahlhus G.

Seel, Thomas J., Philadelphia, Pa. Jacquard loom harness. 2,624,369, Jan. 6.

Seidel, Gustav A., assignor to Splicedwood Corporation, Mellen, Wis. Lay-up table for assembling laminae. 2,624,442, Jan. 6.

Seltzer, Robert E., assignor to The American Baler Company, Bellevue, Ohio. Agricultural material spreader. 2,624,492, Jan. 6.

Seneca Falls Machine Company, assignee: See—

Ashton, Richard A.

Serniuk, George E., Roselle, N. J., assignor to Standard Oil Development Company. Copolymerization of diolefins and aromatics. 2,624,726, Jan. 6.

Serrick Corporation, assignee: See—

Lee, Edward F.

Settles, James C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway truck damping device. 2,624,291, Jan. 6.

Shafer, Orville B., Owego, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,624,459, Jan. 6.

Shapiro, Herbert: See—

Forbes, Gordon D., and Shapiro.

Shaw, Burton E., East Boxford, and P. Gluffrida, Lawrence, assignors to Combustion Control Corporation, Cambridge, Mass. Timing device. 2,624,812, Jan. 6.

Sheldell Corporation, The, assignee: See—

Aller, Willis F.

Shell Development Company, assignee: See—

Morris, Rupert C., Van Winkle, and Winkler.

Pritsker, George G., and Adelson.

Shewmon, Ralph K., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Switch locator. 2,624,814, Jan. 6.

Shultz, Meyer J., Brookline, Mass., assignor to The Gillette Company. Razor blade dispensing package. 2,624,452, Jan. 6.

Sinclair Refining Company, assignee: See—

Closure, Eastern E., and Woerner.

Sinclair, Francis H., Brooklyn, N. Y. Positive interlock switch. 2,624,809, Jan. 6.

Sitton, Philip N., Dayton, Ohio. Adjustable wale construction for septic tank forms. 2,624,096, Jan. 6.

Sloane-Blabon Corporation, assignee: See—

Dobry, Joseph F.

Small, Elmer C., Neodesha, Kans., assignor, by means assignments, to Archer-Daniels Midland Company. Material feeder for dehydrators. 2,624,447, Jan. 6.

Smeed, Jack H., Caldwell, Idaho. Land leveler. 2,624,133, Jan. 6.

Smith, Clarence J., Rockford, Ill. Can dispatching apparatus. 2,624,641, Jan. 6.

Smith, Franklin S., North Haven, Conn. Fluid current comminutor with cylindrical abutment impact target. 2,624,517, Jan. 6.

Smith, Frederick E., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Submerged pump and motor assembly. 2,624,286, Jan. 6.

Smith, Joseph L., Glen Ellyn, Ill. Loop forming tool for helical springs. 2,624,376, Jan. 6.

Smith, Joseph L., Glen Ellyn, Ill. Hook forming tool for helical springs. 2,624,377, Jan. 6.

Smith, Justin H., Claremont, and B. S. Barrett, Walpole, N. H. Coin dispenser. 2,624,351, Jan. 6.

Smith, L. C., & Corona Typewriters, Inc., assignee: See—

Zeamer, Aaron C.

Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Stabilized plasticized polyvinyl compositions. 2,624,716, Jan. 6.

Smith, Paul G., Rock Island, Ill. Musical pegboard. 2,624,227, Jan. 6.

Smith, Robert F., Grosse Pointe Woods, assignor to General Motors Corporation, Detroit, Mich. Clay extrusion machine. 2,624,094, Jan. 6.

Smith, William V.: See—

Herlin, Melvin A., and Smith.

Smithson, Harry E., Detroit, Mich. Bird cage accessory. 2,624,310, Jan. 6.

Smullin, Louis D., Watertown, Mass., and G. C. Dewey, Nutley, N. J., assignors to International Standard Electric Corp., New York, N. Y. Traveling wave amplifier tube. 2,624,859, Jan. 6.

Sneed, Kenneth D., Long Beach, Calif. Control system for model airplanes. 2,624,152, Jan. 6.

Snell, Harm D., Port Arthur, Tex. Abrading tool. 2,624,161, Jan. 6.

Snow, Patricia L.: See—

Blout, Elkan R., Campbell, Corley, and Snow.

Blout, Elkan R., Corley, and Snow.

Snyder, Eugene L., Fort Lauderdale, Fla., assignor to The Hoover Company, North Canton, Ohio. Valved cleaning tool for suction cleaners. 2,624,064, Jan. 6.

Snyder, Sylvester S.: See—

Winter, Mahlon A., and Snyder.

Societe Generale Metallurgique De Hoboken, assignee: See—

De Merre, Marcel.

Söderhamns Verkstad Aktiebolag, assignee: See—

Ellström, Axel S.

Solar Corporation, assignee: See—

Land, Arthur D.

Sonoco Products Company, assignee: See—

Dunlap, Charles K.

Spargo, John, assignee: See—

Mader, Emil A.

Sparlin, Marvin D., Neosho, Mo. Brake fluid indicator. 2,624,200, Jan. 6.

Spetz, Walter B., Sun Valley, assignor to Frawley Corporation, Los Angeles, Calif. Retractable pen. 2,624,814, Jan. 6.

Sperry Corporation, The, assignee: See—

Dawson, Edward.

Wing, Willis G.

Spina, James A., Schenectady, and E. O. Anderson, Ballston Spa, N. Y., assignors to General Electric Company. Snap action switch. 2,624,819, Jan. 6.

Splicedwood Corporation, assignee: See—

Seldel, Gustav A.

Spragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Chair having an angularly adjustable back rest. 2,624,398, Jan. 6.

Stackpole Carbon Company, assignee: See—

Mehl, John E.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Side plate press. 2,624,272, Jan. 6.

Stalker, Edward A., Bay City, Mich. Stabilizing mechanism for rotary wing aircraft. 2,624,531, Jan. 6.

Standard Motor Company Limited, The, assignee: See—

Graham, Edward G., and Webster.

Standard Oil Development Company, assignee: See—

Serniuk, George E.

Starbuck, R. M., & Sons, Inc., assignee: See—

Joy, Alfred R.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Thread guide. 2,624,528, Jan. 6.

Steck, Edgar A., Albany, assignor to Sterling Drug Inc., New York, N. Y. 6-haloaryl-3-pyridazones. 2,624,730, Jan. 6.

Steece, George A., San Francisco, Calif. Rotary grave-digging excavator. 2,624,120, Jan. 6.

Stein, Elmer L., Milwaukee, Wis. Sheet trimmer. 2,624,408, Jan. 6.

Stein Hall & Company, Inc., assignee: See—

Rapp, Julius.

Stein, William, Ozone Park, N. Y. Means for regulating the position of cold cathode lighting supports. 2,624,833, Jan. 6.

Steinke, Max H., New Brunswick, N. J. Cutter holder. 2,624,116, Jan. 6.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Hysteretic overrunning clutch. 2,624,435, Jan. 6.

Sterling Drug Inc., assignee: See—

Steck, Edgar A.

Stevens, J. P., & Co., Inc., assignee: See—

Winslow, Albert E.

Stevenson, Wade, assignee: See—

Clark, Frederick G.

Stirn, Frank E., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Making colored gelatin capsules. 2,624,163, Jan. 6.

Storm, Lynn W., assignor to Houston Oil Field Material Company, Inc., Houston, Tex. Locking lift plug. 2,624,609, Jan. 6.

Stover, Ancel C., assignor to W. W. I. J., and L. E. Elsenhauer, and W. P. Ellwood, co-partners doing business as The Elsenhauer Manufacturing Company, Van Wert, Ohio. Pivoted mounting for vehicle suspension springs. 2,624,593, Jan. 6.

Strahm, André, Villeneuve, and A. Quinche, St. Sulpice, assignors to Unitubo S. A., Vevey, Switzerland. Device for manufacturing flexible containers for synthetic plastic materials. 2,624,071, Jan. 6.

Straitz, John F., assignor to National Alroil Burner Company, Incorporated, Philadelphia, Pa. Furnace with honeycomb baffle wall. 2,624,301, Jan. 6.

Strand, Charles A., Duluth, Minn. Concealable trailer hitch. 2,624,589, Jan. 6.

Straub, Edward L., North Hollywood, Calif. Fuel injector for internal-combustion engines. 2,624,284, Jan. 6.

Stryker, Charles R.: See—

Kirkpatrick, Alan F., and Stryker.

Sukoff, Louis, Jamaica, assignor to Imperial Paper Box Corporation, Brooklyn, N. Y. Phonograph record housing. 2,624,646, Jan. 6.

Sun Oil Company, assignee: See—

Ferria, Seymour W.

Pearson, John M.

Yetter, Edward W.

Sunkel, Carl L., Baltimore, Md. Applying decoration and indicia to edible foods. 2,624,277, Jan. 6.

Sun-Maid Raisin Growers of California, assignee: See—

Voller, James F.

Surface Combustion Corporation, assignee: See—

Heyn, Henry M.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Subzero treatment of chromium alloy steel. 2,624,688, Jan. 6.

Swan, Carl W.: See—

De Boo, Jerome L., and Swan.

Swan, Carl W., Skokie, assignor to Teletype Corporation, Chicago, Ill. Range finder for telegraph selectors. 2,624,799, Jan. 6.

Sweet, Cecil H., Hobbs, N. Mex., assignor to Sweet Oil Well Equipment, Incorporated. Well packer rubber. 2,624,603, Jan. 6.

Sweet Oil Well Equipment, Incorporated, assignee: See—

Sweet, Cecil H.

Swenson, Elmer, Moorhead, Minn. Permanent waving rod. 2,624,349, Jan. 6.

Swern, Daniel, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Plastic plasticized with alkyl alkoxy hydroxy stearates. 2,624,680, Jan. 6.

Sykes, Thomas R., assignor to The Toronto Star Limited, Toronto, Ontario, Canada. Machine for wire binding boxes or the like. 2,624,270, Jan. 6.

Sylvania Electric Products Inc., assignee: See—

Mager, Eric L.

Symington-Gould Corporation, The, assignee: See—

Blattner, Emil H.

Szychowaki, Adam: See—

Szychowaki, Joseph C. and A.

Szychowaki, Joseph C. and A., Detroit, Mich. Vehicle windshield cover. 2,624,406, Jan. 6.

T. M. M. (Research) Limited, assignee: See—

Watson, William H.

Tall, Murry, New Rochelle, N. Y. Pencil sharpener. 2,624,317, Jan. 6.

Tappero, Charles J.: See—

Abbott, John F. S., and Tappero.

Tarkington, Ralfe G., and W. G. Lowe, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion sensitized with gold compounds and sulfur sensitizers. 2,624,074, Jan. 6.

Tassell, Leslie E., Grand Rapids, Mich. Hinge. 2,624,067, Jan. 6.

Taylor, Theron C., Detroit, Mich. Lime burning apparatus and method. 2,624,562, Jan. 6.

Taylor, A. W., Industries Limited, assignee: See—

Taylor, Albert W.

Taylor, Albert W., assignor to A. W. Taylor Industries Limited, Toronto, Ontario, Canada. Tissue dispensing packet. 2,624,456, Jan. 6.

Taylor, James H., Middletown Township, Monmouth County, N. J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Feeding and spreading device. 2,624,138, Jan. 6.

Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,624,660, Jan. 6.

Teletype Corporation, assignee: See—

De Boo, Jerome L., and Swan.

Swan, Carl W.

Thom, John M., Haines, Oreg. Apparatus for salvaging beehive frames and beeswax. 2,624,353, Jan. 6.

Thomas, Richard, Bromborough, England, assignor to Lever Brothers Company. Composition for laundering textiles and for imparting a whitening effect thereon. 2,624,710, Jan. 6.

Thompson, H. I., Company, The, assignee: See—

Parker, Leon and Z.

Thompson Products, Inc., assignee: See—

Anderson, David E.

Capatur, John J.

Smith, Frederick E.

Thorne, Marion F.

Watson, Edwin D., and Creek.

Thompson, Rea W., Gary, Ind., and A. H. Graham, Sharon, Pa., assignors to General American Transportation Corporation, Chicago, Ill. Heating system for tanks. 2,624,553, Jan. 6.

Thompson, Robert W., Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion source. 2,624,845, Jan. 6.

Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Photocell controlled system for fuel burners. 2,624,398, Jan. 6.

Thomson, E. Craig, Boston, and H. J. Webb, Sharon, Mass. Program circuit for automatic furnaces. 2,624,399, Jan. 6.

Thomson, William M., New Scotland Township, Albany County, N. Y. Milk sampling device. 2,624,201, Jan. 6.

Thorne, Marion F., South Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating assembly. 2,624,323, Jan. 6.

Tilford, Charles H.: See—

Werner, Harold W., and Tilford.

Tilton, William J., South Milwaukee, Wis. Portable workstand. 2,624,590, Jan. 6.

Tochilin, Eugene, San Francisco, and R. H. Davis, Albany, Calif. X-ray film badge dosimeter. 2,624,846, Jan. 6.

Todd, C., trustee, assignee: See—

Koch, Frederick.

Todd, Everett W., assignor to The Massey-Harris Company, Racine, Wis. Flexible tractor implement hitch. 2,624,256, Jan. 6.

Toronto Star Limited, The, assignee: See—

Sykes, Thomas R.

Torrington Company, The, assignee: See—

Virtue, Byron T.

Toth, Joe: See—

Johnson, Myron A. C., and Toth.

Toulmin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Dextran battery separator plate. 2,624,768, Jan. 6.

Tour, Sam, New York, N. Y., assignor to J. S. W. Bates, Phoenix, Ariz. Cartridge for below-surface treatment of molten metals. 2,624,667, Jan. 6.

Transmission & Gear Company, The, assignee: See—

Gerst, Chris.

Trester, Alvin H.: See—

Harrell, Warren B., and Trester.

Tachabold, Gottfried L., and D. L. Mueller, Minerva, Ohio. Adhesive from whey and a method of making it. 2,624,679, Jan. 6.

Turner, Chester W.: See—

Colburn, George C., and Turner.

Union Ambestos & Rubber Company, assignee: See—

Lundvall, John S.

Union Carbide and Carbon Corporation, assignee: See—

Binder, William O.

Binder, William, and Franks.

Binder, William O., and Perkins.

Crafts, Walter.

Langer, Theodore W., and Mago.

Union des Verrieres Mecaniques Belges S. A., assignee: See—

Henry, Georges L., and Brichard.

United Aircraft Products, Inc., assignee: See—

Ghormley, Edwin I.

United-Carr Fastener Corporation, assignee: See—

Jones, Walter I.

Van Buren, Harold S., Jr.

United Chromium, Incorporated, assignee: See—

Dubpernell, George, and Martin.

United Engineers & Constructors Inc., assignee: See—

Haug, John S., and Mengera.

United Shoe Machinery Corporation, assignee: See—

Bishop, Harold W.

Gulbrandsen, Helge.

United States Atomic Energy Commission, United States of America as represented by the, assignee: See—

Andrews, Harry C., and Gifford.

Baker, William R.

Jesse, William P., Broxon, and Hinch.

McMillan, Edwin M.

Nedzel, Vlachoslav A.

Thompson, Robert W.

United States Rubber Company, assignee: See—

Abbott, John F. S., and Tappero.

Unitubo S. A., assignee: See—

Strahm, Andre, and Quinche.

Universal Oil Products Company, assignee: See—

Gelser, Edward M.

Linn, Carl B.

Universal Winding Company, assignee: See—

Goodhue, William V., and Wormser.

Upjohn Company, The, assignee: See—

Levin, Robert H., and McIntosh.

Urquhart, Kenneth M., New York, N. Y. Apparatus for remote control of outboard motors. 2,624,212, Jan. 6.

Urteaga, Jaime, Santiago, Chile. Photoelectric selector of electric circuits. 2,624,787, Jan. 6.

Vall Manufacturing Company, assignee: See—

Nyberg, Curt E.

Valliquet, Albert D., Chicago, Ill., assignor to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Apparatus for wrapping flexible bands. 2,624,166, Jan. 6.

Van Allen, De Witt T., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Dew point hygrometer. 2,624,195, Jan. 6.

Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud installation. 2,624,091, Jan. 6.

Van Camp, Roscoe C.: See—

Churchill, Alan W., and Van Camp.

Van der Heem, Jan. Voorburg, Netherlands. Suction nozzle for suction cleaners. 2,624,063, Jan. 6.

Van Hook, Charles F., Paterson, N. J. Reel stand. 2,624,522, Jan. 6.

Van Winkle, John L.: See—

Morris, Rupert C., Van Winkle, and Winkler.

Vaughan, John T., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Method and means for producing accurately-timed high-power electric pulses. 2,624,850, Jan. 6.

Vickers, Irving H., Fairfield, and G. M. Rickus, assignors to Hat Corporation of America, Norwalk, Conn. Hat pressing apparatus. 2,624,495, Jan. 6.

Vlewegh, Alice N., executrix: See—

Vlewegh, John H.

Vlewegh, John H., deceased, Indianapolis, Ind.; A. N. Vlewegh, executrix. Means for interconnecting fan guard frame sections. 2,624,504, Jan. 6.

Vini-Cast, Inc., assignee: See—

Delacoste, Claude, and Cornie.

Virtue, Byron T., Litchfield, assignor to The Torrington Company, Torrington, Conn. Preparing and assembling antifriction bearings. 2,624,105, Jan. 6.

Virtue, Byron T., Litchfield, assignor to The Torrington Company, Torrington, Conn. Fractured outer race for antifriction bearings. 2,624,045, Jan. 6.

Voller, James P., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Weighing and feed device having volume and dribble feed. 2,624,443, Jan. 6.

Von der Werth, Gordon, San Francisco, Calif. Laminated metal circular and band saws. 2,624,381, Jan. 6.

Von Kohorn, Ralph S., New York, N. Y. Thread tensioning device. 2,624,527, Jan. 6.

Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Drive for sealing washers. 2,624,600, Jan. 6.

Walder, Robert B., Burbank, assignor, by mesne assignments, to Rheem Manufacturing Company, Richmond, Calif. Pneumatic servomotor. 2,624,318, Jan. 6.

Walker Manufacturing Company of Waconia, assignee: See—

Hauerauer, Fred C.

Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Catheter. 2,624,341, Jan. 6.

Wallace, James M.: See—

Rawlins, Herbert L., and Wallace.

Wallace, Oakie G., Oklahoma City, Okla. Method and means of rotary drilling. 2,624,549, Jan. 6.

Wallerstein, James S., New York, M. Hale, Brooklyn, R. T. Alba, Springfield Gardens, and H. B. Levy, Levittown, assignors to The Overly Biochemical Research Foundation Inc., New York, N. Y. Process for improving the color of fermented malt beverages and products obtained thereby. 2,624,675, Jan. 6.

Wallman, Clifford G., La Grange, assignor to The Petersen Oven Company, Franklin Park, Ill. Unitary power-driven roller conveyor. 2,624,443, Jan. 6.

Wals, Claude W., Rock Island, and J. H. Clark, assignors to Deere & Company, Moline, Ill. Winch for trailers. 2,624,547, Jan. 6.

War, United States of America as represented by the Secretary of, assignee: See—

Arenberg, David L.

Reas, Leon.

Chance, Britton.

Chance, Britton, and Keiner.

Clogston, Albert M.

Cobine, James D., and Gallagher.

Dicke, Robert H.

Forbes, Gordon D., and Shapiro.

Herlin, Melvin A., and Smith.

Howard, Robert A.

La Coate, Lucien J. B.

Meagher, Ralph E.

Nelson, Jessie A., and Wilhoit.

Nichols, Nathan P.

Redheffer, Raymond.

Richards, Paul I.

Wolf, James M.

Ward, Michael F., Chicago, Ill., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Retaining spider and plate for material grinding machines. 2,624,384, Jan. 6.

Warne, Clemens A., Grand Rapids, Mich. Cultivator shield. 2,624,260, Jan. 6.

Warren, Charles F., deceased, Milwaukee, Wis.; K. Warren, executrix, assignor to C. F. Warren, Jr. Hydraulic impact tool. 2,624,177, Jan. 6.

Warren, Charles F., Jr., assignee: See—

Warren, Charles F.

Warren, Kathleen, executrix: See—

Warren, Charles F.

Warren, S. D., Company, assignee: See—

Froat, Frederick H., and Brinnick.

Watkins, Thomas B., assignor to The General Electric Company Limited, London, England. Electromagnetic apparatus. 2,624,788, Jan. 6.

Watson, Clyde E.: See—

Schrock, Jacob N., and C. E. and H. Watson.

Watson, Edwin D., South Gate, and J. D. Creek, Lynwood, Calif., assignors to Thompson Products, Inc., Cleveland, Ohio. Valve assembly. 2,624,587, Jan. 6.

Watson, Harold: See—

Schrock, Jacob N., and C. E. and H. Watson.

Watson, William H., assignor to T. M. M. (Research) Limited, Halmshore, Rossendale, England. Roller-type drafting apparatus of textile spinning and analogous machinery. 2,624,074, Jan. 6.

Weaver, John L., assignee: See—

Weeks, Henry R.

Webb, Herbert J.: See—

Thomson, E. Craig, and Webb.

Webster, Henry G.: See—

Grinham, Edward G., and Webster.

Weeks, Charles M., Takoma Park, Md., and E. F. Saxman, Jr., Gladwyne, Pa. Rolling disk toy. 2,624,157, Jan. 6.

Weeks, Henry R., Coronado, assignor of one-half to J. L. Weaver, San Diego, Calif. Scraper with resilient shield and hand rest. 2,624,111, Jan. 6.

Wehn, Stanley A., Santa Monica, Calif. Sound producer for fishing apparatus. 2,624,145, Jan. 6.

Weigand, James H., Trenton, N. J. Resilient cover member for bumper guards. 2,624,007, Jan. 6.

Welsner, Karl, Creskill, and D. Kahn, Englewood, assignors to David Kahn, Inc., North Bergen, N. J. Fountain pen. 2,624,315, Jan. 6.

Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Ledger tray. 2,624,343, Jan. 6.

Werner, Harold W., Sharonville, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Alpha, alpha diacyl piperidino methanols. 2,624,739, Jan. 6.

Weason Company, assignee: See—

Bader, William.

Western Electric Company, Incorporated, assignee: See—

Hanson, Estyle D.

Schneider, William A.

Westinghouse Electric Corporation, assignee: See—

Blingenheimer, Melvin.

Eames, William F.

Gano, Harlan S., and Freese.

Rawlins, Herbert L., and Wallace.

Wheeler, John N., Hawthorne, assignor to International Business Machines Corporation, New York, N. Y. Checking means for interpreters. 2,624,273, Jan. 6.

Whirlpool Corporation, assignee: See—

Morrison, Harold E.

White, Richard D., New York, N. Y. Engine oil level indicator. 2,624,790, Jan. 6.

Whiteside, F. G., assignee: See—

Beverman, Harry G.

Whittaker, Edward G., New Rochelle, N. Y. Roll loading system for textile drafting and spinning frames. 2,624,076, Jan. 6.

Wickham, Parker B., assignor to The George W. Borg Corporation, Delavan, Wis. Timing apparatus for clocks and watches. 2,624,194, Jan. 6.

Widdop, Mary E., Oaklyn, and O. L. Dimmick, Haddon Heights, N. J., assignors to Radio Corporation of America. Selectively reflecting interference mirrors. 2,624,238, Jan. 6.

Wiegand, Edwin L., assignee: See—

Draack, Walter J.

Wiegand, Edwin L., Company, assignee: See—

Cunningham, Harry C.

Wlepert, George D.: See—

Boden, George L., and Wlepert.

Wigal, Voorhis F., Marietta, Ohio. Magnetic descending toy. 2,624,151, Jan. 6.

Wildish, Myron F., Terre Haute, Ind., assignor to Monsanto Chemical Company, St. Louis, Mo. Adhesive. 2,624,715, Jan. 6.

Wilhoit, Darrel I.: See—

Nelson, Jessie A., and Wilhoit.

Wilhoucky, Vladimir J., New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Grinding of thermosetting amorphous granular molding compositions. 2,624,514, Jan. 6.

Winkerson, Edward D., Orange, N. J. Wheel alignment signaling means. 2,624,123, Jan. 6.

Williams, Dewayne K., assignor to Williams Manufacturing Co., Inc., Anaheim, Calif. Garment hanger. 2,624,496, Jan. 6.

Williams, Edward N., Rutherford, N. J. Trolley conveyor. 2,624,449, Jan. 6.

Williams, Elmer R., Springfield, Mo. Apparatus for siphoning water from oil treating structure. 2,624,462, Jan. 6.

Williams Manufacturing Co., Inc., assignee: See—

Williams, Dewayne K.

Williams, Norman C., assignor to Power Brake Equipment Co., Portland, Oreg. Pressure fluid motor with movement limit valve therefor. 2,624,320, Jan. 6.

Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Method for producing inert gases. 2,624,711, Jan. 6.

Willson, Herbert W., assignor to The Hoover Company, North Canton, Ohio. Retractable support for electric irons. 2,624,136, Jan. 6.

Winnas, John M., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,624,597, Jan. 6.

Wing, Willis G., Roslyn Heights, N. Y., assignor to The Sperry Corporation, Computer. 2,624,505, Jan. 6.

Winkler, De Lora E.: See—

Morris, Rupert C., Van Winkle, and Winkler.

Winslow, Albert E., Greenville, S. C., assignor to J. P. Stevens & Co., Inc. Drafting frame. 2,624,077, Jan. 6.

Winter, Mahlon A., and S. S. Snyder, assignors to Sanitary Tampon Corporation, Chambersburg, Pa. Machine for compressing and assembling tampons. 2,624,078, Jan. 6.

Wlaconin Alumni Research Foundation, assignee: See—

Gold, William.

Wise, Ralph H., Wayne, assignor to Ford Motor Company, Dearborn, Mich. Vehicle door lock. 2,624,604, Jan. 6.

Wiser, Douglas R., T. C. Bartlam, and B. R. Burke, Los Angeles, Calif. Pin ball-controlled racing game. 2,624,581, Jan. 6.

Wishart, Frank A., Oakland, Calif. Container opener. 2,624,489, Jan. 6.

Wittlin, Albert, Chicago, Ill. Liquid flow indicator. 2,624,308, Jan. 6.

Woerner, Rudolph C.: See—

Clouse, Eastern R., and Woerner.

Wolf, James M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Broad band copier. 2,624,802, Jan. 6.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Hose support for dispensing pumps. 2,624,616, Jan. 6.

Wolford, William O., assignor to Kelite Products, Inc., Los Angeles, Calif. Fuel safety shutoff. 2,624,359, Jan. 6.

Wood Convection Company, assignee: See—

Duval, Thura C.

LIST OF PATENTEES

- Wood, R. C., assignee: See—
 Ewing, Albert L.
 Wormser, Hans H.: See—
 Goodhue, William V., and Wormser.
 Wright, Edmond P. G., W. F. Gould, T. F. S. Hargreaves, and W. J. Reynolds, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Carrier telephone system and supervisory signaling arrangement therefor. 2,624,806, Jan. 6.
 Wright, H. E., Company, assignee: See—
 Colburn, George C., and Turner.
 Yetter, Edward W., assignor to Sun Oil Company, Philadelphia, Pa. Vacuum tube voltmeter. 2,624,770, Jan. 6.
 Young, Allan M., Meriden, Conn., assignor to General Electric Company. Surface unit tilting means. 2,624,827, Jan. 6.
 Young, Charles M., Jr.: See—
 Munschoot, Albert, and Young.
 Younger, Alexander R., London, England. Electric motor for sewing machines. 2,624,856, Jan. 6.
- Zack, Bonnie J.: See—
 Parker, Leon, and Zack.
 Zarembo Company, assignee: See—
 Schlitt, Earl A.
 Zeamer, Aaron C., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Key touch regulating mechanism for typewriting machines. 2,624,439, Jan. 6.
 Zebree, David T., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Electric initiator. 2,624,280, Jan. 6.
 Zelenko, Gustave, Long Island City, N. Y. Window protector. 2,624,403, Jan. 6.
 Ziebola, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Butterfly valve. 2,624,541, Jan. 6.
 Zochowski, Edward S.: See—
 Eberle, George A., Zuchowski, and Malibie.
 Zuckerman, Sidney, Freehold, N. J., assignor of one-third to A. C. Nolte. Identification clip. 2,624,088, Jan. 6.

LIST OF DESIGN INVENTIONS

- Airplane. G. S. Trimble, Jr. 168,604, Jan. 6.
 Airplane. W. D. van Zelm, R. K. Wents, and R. H. Draut. 168,603, Jan. 6.
 Aquarium. F. J. McMorrow. 168,582, Jan. 6.
 Ash tray. R. W. Giles, Sr. 168,541, Jan. 6.
 Bag for small articles, Pocketed. I. C. Huch. 168,545, Jan. 6.
 Bed frame, Folding. W. K. and J. M. McInerney. 168,581, Jan. 6.
 Boat anchor. O. H. Johnson. 168,550, Jan. 6.
 Brooch or the like. A. Katz. 168,563, Jan. 6.
 Brooch or the like. A. Philippe. 168,590-1, Jan. 6.
 Building brick. B. E. Scott. 168,599, Jan. 6.
 Cabinet, Refrigerator. P. Muller-Munk. 168,583, Jan. 6.
 Chain for a bracelet or the like, Expandable. J. V. Saccone. 168,597, Jan. 6.
 Chair. W. W. Vincent, Jr. 168,606-8, Jan. 6.
 Clasp device for a multiple strand bracelet or the like. R. Rubel. 168,596, Jan. 6.
 Deep freezer and buffet unit, Combination. M. M. Tell. 168,603, Jan. 6.
 Dispensing device for granulated material. R. E. Ponder. 168,593, Jan. 6.
 Display case and order box, Combined. C. E. Chamberlain. 168,533, Jan. 6.
 Door handle guard. D. Frees and E. L. Schwartz. 168,538-9, Jan. 6.
 Drum upender or similar article. J. Oros and W. H. Moorhead. 168,586, Jan. 6.
 Earring or the like. A. Katz. 168,564-73, Jan. 6.
 End cap for a Venetian blind bottom bar. H. K. Lorentzen. 168,579, Jan. 6.
 Fabric, Appliqued. B. Friedman and S. Rosengarten. 168,540, Jan. 6.
 Game apparatus. D. Ippolito. 168,547, Jan. 6.
 Game board. S. Kerro. 168,574, Jan. 6.
 Glass or the like, Drinking. M. H. Levi. 168,577, Jan. 6.
 Handbag. W. H. Hardy. 168,543, Jan. 6.
 Hanger for clotheslines. R. L. Hiser. 168,544, Jan. 6.
 Helmet or the like. N. Arant. 168,527, Jan. 6.
 Holder, Tie. C. W. Grzeslowski. 168,542, Jan. 6.
 Iced cake. K. A. Patrick. 168,587-8, Jan. 6.
 Lamp, Decorative. E. C. Fasson. 168,537, Jan. 6.
- Lighter or similar article, Cigar. W. I. Nissen. 168,585, Jan. 6.
 Link chain for a bracelet or the like, Expandable. E. Rodriguez. 168,594, Jan. 6.
 Magnifier and illuminator for viewing printed material and the like. E. T. Igler and R. H. Wadsworth. 168,546, Jan. 6.
 Megaphone, Electric. E. B. Livinson. 168,578, Jan. 6.
 Necklace or the like. A. Katz. 168,551-62, Jan. 6.
 Necklace or the like. A. Philippe. 168,592, Jan. 6.
 Pen or similar article. D. L. Brudny. 168,531, Jan. 6.
 Rack, Display. E. F. Carlson. 168,532, Jan. 6.
 Rack, Tie. M. R. Baker and D. K. Williams. 168,529, Jan. 6.
 Rearview mirror or similar article. S. Pavenick. 168,589, Jan. 6.
 Separable fish scaling clamp or similar article. C. Seeber. 168,600, Jan. 6.
 Spectacle front, Initialed. S. Ish-Shalom. 168,549, Jan. 6.
 Spectacle front, Monogrammed. S. Ish-Shalom. 168,548, Jan. 6.
 Table, Corner. E. A. Swanson. 168,602, Jan. 6.
 Table or the like, Corner. E. A. Swanson. 168,601, Jan. 6.
 Teapot or similar article. C. H. Newman and J. L. Hvale. 168,584, Jan. 6.
 Testing device for optical lenses and the like. F. G. Back. 168,528, Jan. 6.
 Thermometer, Magnetic. R. Kuz. 168,575, Jan. 6.
 Trailer, Machine shop. K. W. Conase. 168,535, Jan. 6.
 Trailer, Mobile machine shop. K. W. Conase. 168,536, Jan. 6.
 Trophy or similar article. J. A. Santner. 168,598, Jan. 6.
 Vaporizer casing and mounting bracket, Combined. S. Wichansky. 168,609, Jan. 6.
 Vehicle front end assembly. F. A. Lee. 168,576, Jan. 6.
 Water sprinkling device or similar article. N. W. Roop. 168,595, Jan. 6.
 Wedge and spur for logging operations and the like, Combined. J. M. Council. 168,534, Jan. 6.
 Wheel cover or similar article. G. Lyon. 168,580, Jan. 6.
 Yarn bobbin and needle size gauge, Combined. J. S. Black. 168,530, Jan. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbrading tool. H. D. Snell. 2,624,161, Jan. 6.
Accelerating to high energy electrically charged particles. Method of and apparatus for. E. M. McMillan. 2,624,841, Jan. 6.
Accelerator control for automobiles. J. R. Godbout. 2,624,433, Jan. 6.
Acoustic diaphragm with flexible rim portion and rigid body portion. J. B. Brennan. 2,624,417, Jan. 6.
Adhesive. M. F. Wildie. 2,624,715, Jan. 6.
Adhesive compositions comprising polymerized methyl methacrylate, an ester of salicylic acid and an organic solvent. S. A. Leader. 2,624,690, Jan. 6.
Adhesive from whey and making it. G. L. Tschabold and D. L. Mueller. 2,624,679, Jan. 6.
Adjustable counterseat. C. F. Caramelli. 2,624,566, Jan. 6.
Adjustable roller supporting bracket for vertically movable doors. C. C. Moler. 2,624,085, Jan. 6.
Adjustable wale construction for septic tank forms. P. N. Sifton. 2,624,096, Jan. 6.
Absorption refrigeration apparatus. A. G. Gross. 2,624,182, Jan. 6.
Advertising display device. J. E. Sayre. 2,624,142, Jan. 6.
Aerosol dispenser and valve construction. G. R. Saacke. 2,624,623, Jan. 6.
Agricultural material spreader. R. E. Seltzer. 2,624,492, Jan. 6.
Air chamber wheel. A. J. Musaelman. 2,624,387, Jan. 6.
Air control and ash removal apparatus for grate fired furnaces. Combination. O. W. Honsinger. 2,624,300, Jan. 6.
Aircraft wing flap. V. B. Butler. 2,624,532, Jan. 6.
Air-laid felts. Manufacture of. T. C. Duvall. 2,624,079, Jan. 6.
Airplane cross-wind undercarriage. J. H. Gelsae. 2,624,534, Jan. 6.
Alarm circuit for balers and the like. C. J. Krow. 2,624,791, Jan. 6.
Alkyl thiophene sulfonate detergents. C. B. Linn. 2,624,742, Jan. 6.
α-Acetopyridines. Preparing. S. H. Hesse. 2,624,740, Jan. 6.
Alpha, alpha diaryl piperidino methanols. H. W. Werner and C. H. Tilford. 2,624,739, Jan. 6.
Ammeter with swinging permanent magnet. J. E. Diehl. 2,624,769, Jan. 6.
Angular adapter for cleaning tools. E. Leaa. 2,624,061, Jan. 6.
Antenna. Broad band. J. A. Nelson and D. I. Willhelt. 2,624,844, Jan. 6.
Apparatus and method for measuring magnetic flux. V. A. Nedzel. 2,624,783, Jan. 6.
Apparatus and process of producing catenated linoleum materials. J. F. Dobry. 2,624,068, Jan. 6.
Apparatus for assembling storage battery elements. A. D. Lund. 2,624,106, Jan. 6.
Apparatus for controlling humidity. A. O. Elegar. 2,624,420, Jan. 6.
Apparatus for driving rotatable workpieces. R. A. Ashton. 2,624,224, Jan. 6.
Apparatus for earth compaction. O. J. Porter. 2,624,251, Jan. 6.
Apparatus for filling valve bags and control means therefor. C. H. Hartman, W. R. Peterson, and D. D. Griswold. 2,624,539, Jan. 6.
Apparatus for floating and finishing soft concrete. C. Bird. 2,624,250, Jan. 6.
Apparatus for fluid treatment of filamentary materials. P. L. Pendleton. 2,624,189, Jan. 6.
Apparatus for free pivoting transfer rollers. F. Casabona. 2,624,444, Jan. 6.
Apparatus for making three-dimensional ornamental units in the nature of decalcomania. C. E. Seagren. 2,624,294, Jan. 6.
Apparatus for mending hosiery. M. M. Brown. 2,624,183, Jan. 6.
Apparatus for plugging test tubes and the like. W. Gold. 2,624,499, Jan. 6.
Apparatus for remote control of outboard motors. K. M. Urquhart. 2,624,212, Jan. 6.
Apparatus for salvaging beehive frames and beeswax. J. M. Thom. 2,624,353, Jan. 6.
Apparatus for secondary recovery in oil wells. J. D. Nixon. 2,624,410, Jan. 6.
Apparatus for siphoning water from oil treating structure. E. R. Williams. 2,624,462, Jan. 6.
Apparatus for the reproduction of optical records. A. W. Kingston. 2,624,232, Jan. 6.
Apparatus for treating webs of fabric. W. J. Koch. 2,624,190, Jan. 6.
Apparatus for wrapping flexible bands. A. D. Valiquet. 2,624,166, Jan. 6.
Applying decoration and indicia to edible foods. C. L. Sunkel. 2,624,277, Jan. 6.
Arc hash analyzer by cathode-ray tube. W. E. Baker. 2,624,860, Jan. 6.
Aromatic ester amides. E. W. Gluesenkamp. 2,624,755, Jan. 6.
Arrangement for flexible stuffing boxes. C. A. Eaton. 2,624,599, Jan. 6.
Assembling ball bearing wheel structures. T. E. Finstead. 2,624,104, Jan. 6.
Atomizer. D. J. Peepes. 2,624,621, Jan. 6.
Automatic adjusting device. R. A. Goepfrich. 2,624,426, Jan. 6.
Automatic boat pumping device. W. W. and J. E. Herrick. 2,624,305, Jan. 6.
Automatic centering means for bearings. J. R. Gardner. 2,624,437, Jan. 6.
Automatic defrost actuator. C. S. Grimshaw. 2,624,180, Jan. 6.
Automatic differential lock. F. S. Nielsen. 2,624,216, Jan. 6.
Automatic mechanism for winding bobbins, quills, and the like. R. A. Griefen. 2,624,519, Jan. 6.
Automatic sharpener for straight knife cloth cutting machines. H. Fleisher. 2,624,162, Jan. 6.
Automobile seat lock. L. E. Parmely. 2,624,613, Jan. 6.
Automotive friction clutch. G. T. Randol. 2,624,432, Jan. 6.
Auxiliary planer. H. T. Moore. 2,624,382, Jan. 6.
Auxiliary power take-off for tractors. A. E. Larsen. 2,624,416, Jan. 6.
Auxiliary steam generator for steam pressing irons. C. P. McCracken and E. L. Christman. 2,624,828, Jan. 6.
Axle generator system. J. A. Kolanda and W. P. Neuok. 2,624,870, Jan. 6.
Baby bunting. Adjustable. O. Kovary. 2,624,048, Jan. 6.
Baby pen. Collapsible. T. G. Plant. 2,624,054, Jan. 6.
Baby seat. C. B. Johnson. 2,624,395, Jan. 6.
Backing for delay line crystals. G. D. Forbes and H. Shapiro. 2,624,852, Jan. 6.
Baking machine. H. Puls. 2,624,295, Jan. 6.
Baking machine. Automatic cake. C. E. Nuttall. 2,624,297, Jan. 6.
Baking or like pans. Making. E. I. Ghormley. 2,624,304, Jan. 6.
Balance. H. Carmichael. 2,624,564, Jan. 6.
Ballistic electrometer. W. P. Jesse, J. W. Broxon, and W. H. Illich. 2,624,847, Jan. 6.
Baseball base. J. P. Corbett. 2,624,530, Jan. 6.
Bath seat lifting appliance. R. Beckwith. 2,624,053, Jan. 6.
Bead chain type article or key holder and display means therefor. T. M. Jablon. 2,624,457, Jan. 6.
Bearing. R. E. Baumheckel. 2,624,643, Jan. 6.
Bipiperidine derivatives. M. W. Goldberg and L. M. Jampolsky. 2,624,734, Jan. 6.
Bird cage accessory. H. E. Smithson. 2,624,310, Jan. 6.
Bismorchola-4,6-dien-3-one-22-al. R. H. Levin and A. V. McIntosh, Jr. 2,624,748, Jan. 6.
Bis-quaternary ammonium compounds. M. W. Goldberg and L. M. Jampolsky. 2,624,763, Jan. 6.
Blade dispensing magazine with feed slide. J. Mucos. 2,624,453, Jan. 6.
Blank feeding mechanism for folding box machines. T. R. Baker and E. J. Pagendam. 2,624,249, Jan. 6.
Blood pressure taking device. C. Epatin. 2,624,334, Jan. 6.
Bobbin clutch. G. Magrath. 2,624,520, Jan. 6.
Bobbin. Textile. C. K. Dunlap. 2,624,525, Jan. 6.
Bobby pin holder. P. A. Eppa, Jr. 2,624,346, Jan. 6.
Boller skimmer. A. A. Gleason. 2,624,322, Jan. 6.
Bolt cutter. P. Lazarevich. 2,624,112, Jan. 6.
Bonnet. Adjustable baby. L. A. Redlin. 2,624,052, Jan. 6.
Bookholder. C. A. Ramsay. 2,624,466, Jan. 6.
Bottle carrier. J. A. Lamprecht. 2,624,498, Jan. 6.
Bottle opener with skirt deforming means. R. Dreier. 2,624,219, Jan. 6.

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LIST OF INVENTIONS

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Box. See—
Pad box.
Bracket. See—
Clothes pole supporting bracket.
Brake fluid indicator. M. D. Sparlin. 2,624,200, Jan. 6.
Broad band coupler. J. M. Wolf. 2,624,802, Jan. 6.
Broiler for stoves and ranges. W. Kennedy. 2,624,331, Jan. 6.
Buffer. Car. E. O. Lunde. 2,624,471, Jan. 6.
Bumping machine. F. E. Hendrickson. 2,624,158, Jan. 6.
Bulldozer attachment for tractors. A. R. Henry. 2,624,132, Jan. 6.
Bulldozer with push frame stabilizer mechanism. H. W. Rockwell. 2,624,131, Jan. 6.
Butterfly valve. H. Ziebold. 2,624,541, Jan. 6.
Cabinet. See—
File cabinet.
Calk for golf shoes. F. C. Phillips. 2,624,128, Jan. 6.
Camera and microscope stand. Combined. J. N. Judd. 2,624,252, Jan. 6.
Camera view finder. L. E. Feal. 2,624,229, Jan. 6.
Can dispatching apparatus. C. J. Smith. 2,624,641, Jan. 6.
Can opener attachment. E. L. Acker. 2,624,110, Jan. 6.
Can puncturing device. R. E. Anderson. 2,624,108, Jan. 6.
Car top boat carrier. E. W. Newman. 2,624,497, Jan. 6.
Carburetor control mechanism. O. C. Fricke and D. J. Schaffer. 2,624,325, Jan. 6.
Card tray and card holder. Interlocking. R. F. Molinar. 2,624,562, Jan. 6.
Carrier. See—
Bottle carrier.
Rotor carrier.
Car top boat carrier.
Carrier for welding outfit. E. E. Ketsel. 2,624,483, Jan. 6.
Carrier telephone system and supervisory signaling arrangement therefor. E. P. O. Wright, W. F. Gould, T. F. S. Hargreaves, and W. J. Reynolds. 2,624,806, Jan. 6.
Cartridge for below-surface treatment of molten metals. S. Tour. 2,624,667, Jan. 6.
Case. See—
Sectional refrigerated display case.
Catheter. F. J. Wallace. 2,624,341, Jan. 6.
Ceramic bodies. W. W. Coffeen. 2,624,709, Jan. 6.
Chaff and straw receiver and cocker. A. L. Donogh. 2,624,482, Jan. 6.
Chain. See—
Dobby chain.
Chain having an angularly adjustable back rest. L. Spragen. 2,624,396, Jan. 6.
Changeable key tag holder. M. J. Kottke. 2,624,139, Jan. 6.
Checking means for interpreters. J. N. Wheeler. 2,624,273, Jan. 6.
Child's vehicle seat. J. De Mito. 2,624,394, Jan. 6.
Chloromethylated arylphthalimides. D. I. Randall and E. E. Renfrew. 2,624,741, Jan. 6.
Choke valve control. H. A. Boller. 2,624,363, Jan. 6.
Chromium steels. W. O. Binder and R. A. Perkins. 2,624,670, Jan. 6.
Circuit. See—
Counting and registering Temperature control circuit.
Pulse delay circuit.
Circuit breaker. M. Bingenheimer. 2,624,816, Jan. 6.
Circuit breaker. H. S. Gano and G. J. Freese. 2,624,815, Jan. 6.
Circuit interrupter. H. L. Rawlins and J. M. Wallace. 2,624,817, Jan. 6.
Clamp. See—
Thread clamp.
Clamp-on radiation sn. C. Di Vincenzo. 2,624,565, Jan. 6.
Clamp for bracelets or the like. End. C. Duerr. 2,624,092, Jan. 6.
Clay extrusion machine. R. F. Smith. 2,624,094, Jan. 6.
Cleaner for sugar beets and the like. E. P. Molnar. 2,624,458, Jan. 6.
Cleaning attachment for toothbrushes. W. A. Knoderer. 2,624,062, Jan. 6.
Cleaning device. M. W. and F. E. Fletcher. 2,624,619, Jan. 6.
Clip. See—
Identification clip.
Closure member for containers. M. Gerin. 2,624,494, Jan. 6.
Closure member operated switch. A. W. Fruh. 2,624,792, Jan. 6.
Clothes pole supporting bracket. W. P. McCauley. 2,624,468, Jan. 6.
Clutch. See—
Automotive friction clutch. Sprag type clutch.
Bobbins clutch.
Hysteretic over-running clutch.
Clutch. J. L. De Boo and C. W. Swan. 2,624,434, Jan. 6.
Colling head for electrically contacting insulated cable. Collapsible. E. D. Hanson. 2,624,771, Jan. 6.
Coin dispenser. J. H. Smith and R. S. Bacrett. 2,624,351, Jan. 6.
Coking in a fluidized state. E. R. Clouse and R. C. Woerner. 2,624,697, Jan. 6.
Collator sheet ejecting means. H. B. Dixon and F. Almada. 2,624,571, Jan. 6.
Colored gelatin capsules. Making. F. E. Stirn. 2,624,163, Jan. 6.
Comb attachment for hair clippers. A. Giorgi. 2,624,113, Jan. 6.
Comb. Fountain. C. I. Matson. 2,624,348, Jan. 6.
Combination carpenter's tool. E. L. Graham. 2,624,544, Jan. 6.
Combined tool for machining guide ribs. A. F. Hedberg and E. Langner. 2,624,243, Jan. 6.
Compensating blast control device. J. S. Haug and C. A. Mengers. 2,624,639, Jan. 6.
Composition for laundering textiles and for importing a whitening effect thereon. R. Thomas. 2,624,710, Jan. 6.
Composition for treating plants. A. T. Centanni. 2,624,663, Jan. 6.
Compression ignition engine power plant. J. A. Bennett-Powell. 2,624,849, Jan. 6.
Computer. W. C. Wing. 2,624,505, Jan. 6.
Concealable trailer hitch. C. A. Strand. 2,624,589, Jan. 6.
Connector. See—
Reversible electrical connector.
Constant speed drive for magnetic record members. M. Camras. 2,624,574, Jan. 6.
Construction of exhaust passages of internal-combustion engines. P. Kollman. 2,624,171, Jan. 6.
Container. See—
Portable food and beverage container.
Container having wax product coating. S. W. Ferria. 2,624,501, Jan. 6.
Container opener. F. A. Wishart. 2,624,489, Jan. 6.
Continuous carbonization of coal and oil mixtures. A. H. Schutte. 2,624,696, Jan. 6.
Control circuits for dishwashing apparatus. D. F. Hillan. 2,624,352, Jan. 6.
Control system for model airplanes. K. D. Sneed. 2,624,152, Jan. 6.
Control system for reversible hydraulic motors. F. B. Levatus. 2,624,321, Jan. 6.
Controlling refrigeration systems. Means and method of. L. R. Erwin and J. B. Griffith. 2,624,181, Jan. 6.
Conveyor belt provided with elevator scoops. M. A. Hovers. 2,624,446, Jan. 6.
Conveyor mechanism for box wrapping machines. C. J. Peterson. 2,624,448, Jan. 6.
Conveyor. Trolley. E. N. Williams. 2,624,449, Jan. 6.
Conveyor. Unitary power-driven roller. C. G. Wallman. 2,624,445, Jan. 6.
Cooling of the rod in rod rolling mills. N. P. Bedson. 2,624,178, Jan. 6.
Copolymerization of diolefin and aromatics. G. E. Serntuk. 2,624,726, Jan. 6.
Copy locating and loading means for projector apparatus. P. M. Field. 2,624,235, Jan. 6.
Cord attachment for Venetian blinds. E. E. Schaefer. 2,624,086, Jan. 6.
Counting and registering relay circuit. P. Hemminger. 2,624,785, Jan. 6.
Course indicating system. B. Chance. 2,624,877, Jan. 6.
Cover. See—
Vehicle windshield cover. Wheel cover.
Cover for high-pressure vessels. L. T. Peitchard. 2,624,488, Jan. 6.
Crash panel for vehicles. P. E. Clingman. 2,624,596, Jan. 6.
Crayon sharpener. E. Blanco and Z. Melnikoff. 2,624,316, Jan. 6.
Cross bridge. Self-adjusting. G. E. Eichenlaub. 2,624,080, Jan. 6.
Cultivator shield. B. F. Greiman. 2,624,261, Jan. 6.
Cultivator shield. C. A. Warnke. 2,624,260, Jan. 6.
Cultivator shield or fender. B. F. Greiman. 2,624,259, Jan. 6.
Cultivator. Tractor mounted. T. W. Johnson. 2,624,255, Jan. 6.
Cup dispenser. D. E. Lawson. 2,624,647, Jan. 6.
Cutter. See—
Bolt cutter.
Cutter blade support for lawn mowers. C. K. Cole. 2,624,169, Jan. 6.
Cutter holder. M. H. Steinke. 2,624,116, Jan. 6.
Cutting apparatus for well conduits. F. E. O'Neill. 2,624,409, Jan. 6.
Cylinder blade adjusting mechanism. Folding. C. A. Harless. 2,624,572, Jan. 6.
Dense, hard, abrasion resistant ceramic articles. Making. S. S. Kistler. 2,624,097, Jan. 6.
Desk. School. W. J. Bagen. 2,624,392, Jan. 6.
Detection of water. Method and apparatus for the. M. H. Lowson. 2,624,782, Jan. 6.
Device for controlling movement of a member on a conveyor. C. L. Hornberger. 2,624,440, Jan. 6.
Device for delivering air into enclosures. L. R. Phillips. 2,624,262, Jan. 6.
Device for drawing circles. B. M. Pacl. 2,624,117, Jan. 6.
Device for manufacturing flexible containers for synthetic plastic materials. A. Strahm and A. Quinche. 2,624,071, Jan. 6.

Device for measuring radio-frequency power. R. A. Howard. 2,624,803, Jan. 6.
 Dextran battery separator plate. H. A. Toulmin, Jr. 2,624,788, Jan. 6.
 Dialkyl esters of glycol polycarboxylic acid esters. E. S. Blake. 2,624,754, Jan. 6.
 Diarbamylguanidine salts. D. W. Kaiser. 2,624,761, Jan. 6.
 Differential. D. E. Schott. 2,624,213, Jan. 6.
 Dishwasher, smooth impeller. H. M. Rumbaugh. 2,624,356, Jan. 6.
 Disk plow. Power. F. E. Hoover. 2,624,254, Jan. 6.
 Dispenser: See—
 Coin dispenser. Package dispenser.
 Cup dispenser.
 Dispensing gun. F. C. Moore and W. E. Mattox. 2,624,338, Jan. 6.
 Dispensing package. F. L. Broeren. 2,624,321, Jan. 6.
 Dispersed getter element and manufacture thereof. L. F. Britten, B. O. Jenkins and J. Moss. 2,624,450, Jan. 6.
 Display device with interchangeable characters. S. Kall. 2,624,143, Jan. 6.
 Diversity frequency shift reception. J. B. Atwood. 2,624,834, Jan. 6.
 Diverter valve. G. C. Dettelsen. 2,624,364, Jan. 6.
 Dobby chain. W. B. Harris. 2,624,373, Jan. 6.
 Door: See—
 Elevator shaft door.
 Door latch mechanism. H. W. Sanford. 2,624,292, Jan. 6.
 Door lock. T. C. Dingman and J. W. Jamieson. 2,624,606, Jan. 6.
 Door opening and closing mechanism. R. E. Peterson. 2,624,569, Jan. 6.
 Double point ignition distributor. O. A. Dietsche. 2,624,810, Jan. 6.
 Draft control. E. A. Field. 2,624,513, Jan. 6.
 Drafting frame. A. E. Winslow. 2,624,077, Jan. 6.
 Drain spout for refrigerator cars. J. S. Lundvall. 2,624,419, Jan. 6.
 Drier: See—
 Rotary drier.
 Drive for sealing washers. C. F. Voytech. 2,624,600, Jan. 6.
 Drive for washing and wringing unit. A. H. Hartmann. 2,624,203, Jan. 6.
 Driven nut. J. R. Russell. 2,624,386, Jan. 6.
 Duck decoy support. H. G. Beverman. 2,624,144, Jan. 6.
 Ear protecting device. R. L. Motley. 2,624,061, Jan. 6.
 Earb moving apparatus. E. M. Moore. 2,624,415, Jan. 6.
 Easy action snap fastener. W. I. Jones. 2,624,096, Jan. 6.
 Eaves trough. R. E. Beegle. 2,624,299, Jan. 6.
 Electric heating. H. C. Cunningham. 2,624,826, Jan. 6.
 Electric heating device. W. J. Dzaack. 2,624,829, Jan. 6.
 Electric initiator. D. T. Zebree. 2,624,280, Jan. 6.
 Electric power cable with carrier coupling. F. H. Gooding. 2,624,794, Jan. 6.
 Electrical apparatus for solving right triangles. R. H. Rines. 2,624,874, Jan. 6.
 Electrical circuit for the solution of right triangles. B. Chance and R. C. Kelner. 2,624,509, Jan. 6.
 Electrical contact. J. A. Payette. 2,624,820, Jan. 6.
 Electrical contact between aluminum and graphite. N. W. F. Phillips. 2,624,772, Jan. 6.
 Electrical elevator system having selective control of response to calls. W. F. Eames. 2,624,425, Jan. 6.
 Electroconductive article. W. O. Lytle. 2,624,823, Jan. 6.
 Electroluminescent lamp. E. L. Mager. 2,624,837, Jan. 6.
 Electrolytic fluorine cell. R. S. Park. 2,624,703, Jan. 6.
 Electrolytic titration cell. R. R. Austin. 2,624,701, Jan. 6.
 Electromagnetic apparatus. T. B. Watkins. 2,624,788, Jan. 6.
 Electron discharge device of the magnetron type. W. C. Brown. 2,624,861, Jan. 6.
 Electronic aircraft gun fire control computer. L. J. B. La Coste. 2,624,610, Jan. 6.
 Electronic calculating machine. B. E. Phelps. 2,624,507, Jan. 6.
 Electronic counting circuits. D. P. Faulk. 2,624,842, Jan. 6.
 Electronic dividing and multiplying apparatus. A. H. Dickinson, B. E. Phelps, and C. A. Bergfors. 2,624,508, Jan. 6.
 Electronic fluxmeter and alternating current. G. J. Perlow and E. R. Haberland. 2,624,778, Jan. 6.
 Electronically controlled relay. C. W. Davis. 2,624,784, Jan. 6.
 Electroplating barrel. G. Dubbernell and S. M. Martin. 2,624,728, Jan. 6.
 Electrotherapeutic device. J. P. Di Perna. 2,624,842, Jan. 6.
 Elevating platform for typewriters. F. W. Bollhoefer. 2,624,535, Jan. 6.
 Elevator and tail gate, Power-operated. K. Y. Messick. 2,624,477, Jan. 6.
 Elevator for concrete mixers. Portable. E. Bartling. 2,624,480, Jan. 6.
 Elevator shaft door. J. A. Schwelg. 2,624,081, Jan. 6.
 Encapsulating liquid and semiliquid substances and the like. Method of and apparatus for. A. M. Donofrio. 2,624,164, Jan. 6.
 Endless cable conveyor carrying loads that are suspended or remain in contact with the ground. J. Pamagalski. 2,624,289, Jan. 6.

Engine: See—
 Internal-combustion engine.
 Engine oil level indicator. R. D. White. 2,624,790, Jan. 6.
 Engine starter. E. A. Killewer, Sr. 2,624,424, Jan. 6.
 Engine starter gearing. D. L. Miller. 2,624,202, Jan. 6.
 Envelope seam gum and preparing it. J. Rapp. 2,624,681, Jan. 6.
 Equipment for treatment of respiratory ailments. S. Y. Gibbon. 2,624,337, Jan. 6.
 Esters of tertiary alkyl-substituted aromatic acids. R. C. Morris, J. L. van Winkle and D. E. Winkler. 2,624,762, Jan. 6.
 Esters of thiophosphoric acid. Manufacture of. G. Schrader. 2,624,745, Jan. 6.
 Evaporator structure. W. L. Morrison. 2,624,554, Jan. 6.
 Excavator having means for forming polygonal holes. H. G. Cochrane and S. W. Kirby. 2,624,548, Jan. 6.
 Excavator, Rotary grave-digging. G. A. Steece. 2,624,129, Jan. 6.
 Exhibition and stage device. W. J. Lancaster. 2,624,578, Jan. 6.
 Expandable elevator plug. C. R. Murphy. 2,624,610, Jan. 6.
 Fabric cleaning device, Rotary adhesive roll. T. R. McKenale. 2,624,060, Jan. 6.
 Fabric covered buckles. Making. W. Eaton. 2,624,089, Jan. 6.
 Fabric take-up mechanism for knitting machines. A. Friedmann. 2,624,185, Jan. 6.
 Fabricated joist. R. C. Macomber. 2,624,430, Jan. 6.
 Fabricating seamless capsules. Method and apparatus for. C. E. Fisher, Jr. 2,624,069, Jan. 6.
 Falling film evaporator with subatent separating chamber. E. A. Schilt. 2,624,401, Jan. 6.
 Fan arrangement for electrical device. J. D. Gayer. 2,624,855, Jan. 6.
 Fastener: See—
 Easy action snap fastener.
 Fastener for storm sash and the like. W. G. Ratte. 2,624,605, Jan. 6.
 Fastener with slotted pilot portion. F. K. Brown. 2,624,228, Jan. 6.
 Fanet, Mixing. F. A. Onasch. 2,624,586, Jan. 6.
 Feed finger for automatic screw machines and gripping element therefor. F. L. Green. 2,624,102, Jan. 6.
 Feed mechanism for flexible sheets such as envelopes. J. R. Lauffer. 2,624,576, Jan. 6.
 Feeder: See—
 Poultry feeder.
 Feeding and spreading device. J. H. Taylor. 2,624,138, Jan. 6.
 Feeding glass furnaces. Method and apparatus for. G. L. Henry and E. Brichard. 2,624,476, Jan. 6.
 Felt base floor covering and making the same. J. E. Hazeltine, Jr. 2,624,682, Jan. 6.
 Ferritic chromium steels. W. O. Binder. 2,624,668, Jan. 6.
 Ferritic chromium steels. W. O. Binder and R. Franks. 2,624,671, Jan. 6.
 Ferritic chromium steels. W. Crafts. 2,624,669, Jan. 6.
 Fibrinolytic derived from blood and obtaining the same. E. C. Loomis. 2,624,691, Jan. 6.
 File cabinet. M. P. de Perses. 2,624,650, Jan. 6.
 Film handling apparatus and magazine for use therewith and control thereof. W. D. Foster. 2,624,233, Jan. 6.
 Filter: See—
 Horizontal plate filter. Tunable band-pass coaxial infrared band pass filter.
 Flashhook. T. M. Jolley. 2,624,150, Jan. 6.
 Flashhook. V. C. Kahle. 2,624,146, Jan. 6.
 Fish lure and spoon. Nontwisting. A. W. Round. 2,624,147, Jan. 6.
 Fishing reel. G. F. Laing. 2,624,624, Jan. 6.
 Fishing reel device. A. W. Sawitske. 2,624,623, Jan. 6.
 5-benzyl-2,4-diaminopyrimidines. Preparation of. G. H. Hitchings and E. A. Falco. 2,624,732, Jan. 6.
 5-N-butoxy-1-hexyl adipate and making the same. W. S. Emerson and R. I. Longley, Jr. 2,624,753, Jan. 6.
 5-phenylpyrimidine derivatives. G. H. Hitchings and P. B. Russell. 2,624,731, Jan. 6.
 Fixture assembly. J. M. Carpenter. 2,624,107, Jan. 6.
 Flexible floor covering. I. I. Besman. 2,624,683, Jan. 6.
 Flexible-sensitive electromechanical transducer device. H. C. Page. 2,624,853, Jan. 6.
 Float removal device for rotatable type heavy-media separators. S. A. Falconer. 2,624,461, Jan. 6.
 Flowmeter. J. M. Pearson. 2,624,198, Jan. 6.
 Flowmeter. Fluid. M. H. Boyer. 2,624,199, Jan. 6.
 Flaw valve for fluid lift pumps. W. L. Church. 2,624,362, Jan. 6.
 Fluid coupling with relatively axially movable vane members. W. G. Raney. 2,624,173, Jan. 6.
 Fluid current comminutor with cylindrical abutment impact target. F. S. Smith. 2,624,517, Jan. 6.
 Fluid impact pulveriser and separator. A. M. Andries. 2,624,516, Jan. 6.
 Fluid-operated liquid pump. E. C. Hall. 2,624,285, Jan. 6.
 Fly swatter. W. E. Atkinson. 2,624,149, Jan. 6.
 Foldable vertically adjustable table. C. J. Cadwell and F. M. Adamson. 2,624,469, Jan. 6.
 Folding box machine. T. R. Baker and E. J. Pagendam. 2,624,248, Jan. 6.
 Fork for handling bricks and other units. J. F. Rowe. 2,624,608, Jan. 6.

Forming silica fibers. L. Parker and B. J. Zack. 2,624,658, Jan. 6.
 4,4'-polymethylene-bis(piperidinium) derivatives. M. W. Goldberg and L. M. Jampolsky. 2,624,733, Jan. 6.
 Four-way valve. A. W. Churchill and R. C. Van Camp. 2,624,583, Jan. 6.
 Fractured outer race for antifriction bearings. B. T. Virtue. 2,624,645, Jan. 6.
 Frame: See—
 Drafting frame. Saw frame.
 Metal window screen. Universal spinning frame.
 frame.
 Free-flowing crystalline solids. Manufacture of. H. D. Merrill and C. J. Galser. 2,624,500, Jan. 6.
 Friction shock absorbing mechanism for railway cars. A. E. Dentler. 2,624,567, Jan. 6.
 Fuel injection apparatus. H. Hogeman. 2,624,327, Jan. 6.
 Fuel injector for internal-combustion engines. E. L. Straub. 2,624,284, Jan. 6.
 Fuel safety shutoff. W. O. Wolford. 2,624,359, Jan. 6.
 Furnace: See—
 Heat-treating furnace. Shaft furnace.
 Furnace with honeycomb baffle wall. J. F. Straitz. 2,624,301, Jan. 6.
 Game device, Alphabet. H. H. Okahara. 2,624,127, Jan. 6.
 Game indicating card table top. H. L. Schroeder. 2,624,583, Jan. 6.
 Garbage disposal device. E. G. Brown and D. W. Miller. 2,624,513, Jan. 6.
 Garment. R. Granne. 2,624,049, Jan. 6.
 Garment hanger. D. K. Williams. 2,624,496, Jan. 6.
 Garment, Knitted. S. Feldman. 2,624,186, Jan. 6.
 Garment press. C. A. Ketchum. 2,624,134, Jan. 6.
 Garter clamp. W. I. and E. B. Hatch. 2,624,093, Jan. 6.
 Gas discharge tubes. J. D. Cobine and C. J. Gallagher. 2,624,867, Jan. 6.
 Gas separator for grinding mills. G. A. Parton. 2,624,460, Jan. 6.
 Gas supply for auxiliary appliances. W. Kennedy. 2,624,330, Jan. 6.
 Gaseous discharge device. A. H. Reeves. 2,624,866, Jan. 6.
 Gaseous discharge lamp. W. B. Greenlee. 2,624,838, Jan. 6.
 Gate switch. P. Gluffrida. 2,624,813, Jan. 6.
 Gauge: See—
 Inspection gauge.
 Gauging device, Pneumatic. W. F. Aller. 2,624,196, Jan. 6.
 Gear pump. B. P. Ilyin. 2,624,287, Jan. 6.
 Generating power involving catalytic oxidation. E. J. Houdry. 2,624,172, Jan. 6.
 Generator: See—
 Pulse generator.
 Granulated material feeding apparatus. H. W. Hapman. 2,624,474, Jan. 6.
 Graph transformation device. R. D. Hancock and L. T. Prothera. 2,624,848, Jan. 6.
 Graphic recording. C. F. Carlson. 2,624,652, Jan. 6.
 Grappling unit. C. W. Knapp. 2,624,611, Jan. 6.
 Greenhouse structure. S. Jacobs. 2,624,427, Jan. 6.
 Grid electrode for electron discharge devices. C. H. Fonlkes. 2,624,100, Jan. 6.
 Grinding machine. H. E. Balster. 2,624,159, Jan. 6.
 Grinding of thermosetting aminoplastic granular molding compositions. E. J. Wilhousky. 2,624,514, Jan. 6.
 Grinding wheel. V. D. Teague. 2,624,660, Jan. 6.
 Guardrail for beds. Detachable. N. L. Rude. 2,624,053, Jan. 6.
 Gun action. J. L. Hill. 2,624,241, Jan. 6.
 Gun for delivering a detergent in foam form. P. C. Holte. 2,624,622, Jan. 6.
 Gun trap and safety setting device. H. R. Graybill. 2,624,148, Jan. 6.
 Hair curler. L. Kling. 2,624,350, Jan. 6.
 Hammer, Automatic. H. L. Gaskill. 2,624,047, Jan. 6.
 Hammer operating mechanism. C. A. Parker and C. K. Rainey. 2,624,275, Jan. 6.
 Handle: See—
 Luggage handle.
 Handle for cooking utensils. C. W. Fry. 2,624,066, Jan. 6.
 Hanger: See—
 Garment hanger. Oil well hanger.
 Hat pressing apparatus. I. H. Vickers and G. M. Rickus. 2,624,495, Jan. 6.
 Headrest and back rest. Combined. A. P. St. Aubin. 2,624,397, Jan. 6.
 Heat exchange pebble. S. S. Kistler. 2,624,556, Jan. 6.
 Heat exchanger. E. A. Rose. 2,624,552, Jan. 6.
 Heat insulating arrangement for a plurality of coaxial turbines having opposed flow through double-tier blades. D. J. Bloomberg. 2,624,173, Jan. 6.
 Heat stabilized molding compositions of vinyl aromatic polymers and making the same. A. F. Roche and R. M. Price. 2,624,719, Jan. 6.
 Heat-treating alloy steel. G. W. McMullan. 2,624,687, Jan. 6.
 Heat-treating furnace. H. M. Heyn. 2,624,561, Jan. 6.
 Heating device. D. T. Lang. 2,624,332, Jan. 6.
 Heating system for tanks. R. W. Thompson and A. H. Graham. 2,624,553, Jan. 6.

Herbicidal composition. M. Kosmin and A. Schlesinger. 2,624,666, Jan. 6.
 Herbicidal composition. A. H. Schlesinger. 2,624,663, Jan. 6.
 Herbicidal compositions. F. B. Erickson and A. H. Schlesinger. 2,624,662, Jan. 6.
 Herbicides. D. T. Mowry and A. H. Schlesinger. 2,624,664, Jan. 6.
 Hermetic variable gap crystal holder. A. E. Miller. 2,624,654, Jan. 6.
 Heterocyclic compounds containing sulfur and nitrogen in the ring. S. Melamed and W. J. Croxall. 2,624,729, Jan. 6.
 High-frequency dielectric heating apparatus. G. Muntz, Jr. 2,624,830, Jan. 6.
 High wet-strength paper and making. J. Kamlet. 2,624,686, Jan. 6.
 Hinge. L. E. Tassell. 2,624,067, Jan. 6.
 Hitch and platform unit for tractors, Combined. R. B. Horn and J. K. Bauer. 2,624,593, Jan. 6.
 Holder: See—
 Bobby pin holder. Hermetic variable gap
 Changeable key tag holder. crystal holder.
 Cutter holder. Rod holder.
 Hollow plastic articles. Making. C. Delacoste and Y. Cornic. 2,624,072, Jan. 6.
 Homing arrangement for selector switches. G. Deakin. 2,624,807, Jan. 6.
 Honey process. F. E. Hageman. 2,624,678, Jan. 6.
 Hook forming tool for helical springs. J. L. Smith. 2,624,377, Jan. 6.
 Hopper car door latch. G. B. Doray. 2,624,293, Jan. 6.
 Horizontal plate filter. A. C. Kracklauer. 2,624,465, Jan. 6.
 Hose support for dispensing pumps. H. H. Wolfe. 2,624,610, Jan. 6.
 Hydraulic booster operated well packer. T. M. Ragan. 2,624,412, Jan. 6.
 Hydraulic impact tool. C. F. Warren. 2,624,177, Jan. 6.
 Hydraulic jack. J. Loef. 2,624,174, Jan. 6.
 Hydraulic pump. E. J. Hirvonen. 2,624,283, Jan. 6.
 Hydraulic steering system. S. F. Brader. 2,624,533, Jan. 6.
 Hydroxy aliphatic derivatives of symmetrical di-aromatic thioureas. P. M. Downey. 2,624,762, Jan. 6.
 Hydroxy-aromatic alkylene di-imino di-acetic acids and salts. F. C. Bersworth. 2,624,760, Jan. 6.
 Hygrometer, Dew point. D. T. Van Allen. 2,624,195, Jan. 6.
 Hydraulic overrunning clutch. H. M. Stephenson. 2,624,435, Jan. 6.
 Ice cream containing modified gelose compound. V. C. E. Le Gloahac. 2,624,677, Jan. 6.
 Identification clip. S. Zuckerman. 2,624,068, Jan. 6.
 Illuminated electric iron. J. Moyer. 2,624,832, Jan. 6.
 Improving the color of fermented malt beverages and products obtained thereby. J. S. Wallerstein, M. Hale, R. T. Alba, and H. B. Levy. 2,624,675, Jan. 6.
 Incubator. Infant. E. C. Dixon and W. E. Chilton. 2,624,333, Jan. 6.
 Indicator: See—
 Brake fluid indicator. Motion-picture reel end in-
 Engine oil level indicator. drator.
 Liquid flow indicator. Peak clipper indicator.
 Infrared band pass filter. E. R. Blout, J. E. Campbell, R. S. Corley, and P. L. Snow. 2,624,230, Jan. 6.
 Infrared band pass filter. E. R. Blout, R. S. Corley, and P. L. Snow. 2,624,240, Jan. 6.
 Inhibited polyoxyalkylene glycol fluids. T. W. Langer and B. F. Mago. 2,624,708, Jan. 6.
 Injection system for internal-combustion engines. H. N. Flier. 2,624,326, Jan. 6.
 Inspection gauge. M. Knobel. 2,624,122, Jan. 6.
 Instrument, Airplane. L. M. Greene. 2,624,529, Jan. 6.
 Instrument, Lens testing. J. K. Davis. 2,624,237, Jan. 6.
 Instrument, Measuring. A. W. Magnason. 2,624,119, Jan. 6.
 Insulated electrical conductor. J. F. S. Abbott and C. J. Tappero. 2,624,777, Jan. 6.
 Interchangeable purse insert. V. D. Hogan. 2,624,385, Jan. 6.
 Interconnecting fan guard frame sections. Means for. J. H. Vlewagh. 2,624,504, Jan. 6.
 Internal-combustion engine. E. G. Gribham and H. G. Webster. 2,624,328, Jan. 6.
 Ion source. R. W. Thompson. 2,624,845, Jan. 6.
 Iron: See—
 Illuminated electric iron.
 Iron fluoride-manganese fluoride aromatizing catalyst. F. R. Hurley. 2,624,713, Jan. 6.
 Ironing machine with reciprocating ironing shoe. H. H. Babcock. 2,624,135, Jan. 6.
 Jack: See—
 Hydraulic jack.
 Journal box lid. E. H. Hlaltner. 2,624,642, Jan. 6.
 Juicer, Fruit. A. W. Johnson. 2,624,271, Jan. 6.
 Keto aldehydes. Preparation of. W. S. Emerson and R. I. Longley, Jr. 2,624,764, Jan. 6.
 Key retainer. O. S. Elliff. 2,624,192, Jan. 6.
 Key touch regulating mechanism for typewriting machines. A. C. Zeamer. 2,624,439, Jan. 6.
 Knife, Reed. J. V. Isley. 2,624,098, Jan. 6.
 Lactone derivatives and making. W. J. McGraw. 2,624,723, Jan. 6.

- Laminated metal circular and band saws. G. von der Werth. 2,624,381, Jan. 6.
 Lamp: See—
 Electroluminescent lamp. Gaseous discharge lamp.
 Land leveler. J. H. Smeed. 2,624,133, Jan. 6.
 Latch: See—
 Hopper car door latch.
 Latch and lock, Combined. G. L. Boden and G. D. Wleper. 2,624,191, Jan. 6.
 Lather mixing machine. R. C. Mulfinger. 2,624,617, Jan. 6.
 Lawn mower construction. R. D. Clemson. 2,624,166, Jan. 6.
 Lay motion for looms. W. J. Bodzyna and M. R. Flamand. 2,624,372, Jan. 6.
 Lay-up table for assembling laminae. G. A. Seidel. 2,624,442, Jan. 6.
 Ledger tray. N. S. Welk. 2,624,343, Jan. 6.
 Let-off device for knitting machines. H. C. Noe. 2,624,184, Jan. 6.
 Lift mechanism. F. C. Haumerson. 2,624,546, Jan. 6.
 Lifting device. A. E. Jackson. 2,624,543, Jan. 6.
 Lifting dolly. V. R. Schmidt. 2,624,476, Jan. 6.
 Light sensitive control for setting-up machines. C. L. Claff and C. A. Moeller. 2,624,247, Jan. 6.
 Lighter, Cigarette. A. McNeill. 2,624,188, Jan. 6.
 Lighter, Table. F. N. Mariani. 2,624,187, Jan. 6.
 Lighting outfit subassembly machine. J. Sakirsky. 2,624,101, Jan. 6.
 Lime burning apparatus and method. T. C. Taylor. 2,624,362, Jan. 6.
 Lining with cement mortar underground conduits having branch lines. J. P. Cummins. 2,624,095, Jan. 6.
 Liquid flow indicator. A. Wittlin. 2,624,308, Jan. 6.
 Liquid-separating device. E. F. Freese. 2,624,463, Jan. 6.
 Loader for tractors, Rear-end. C. B. Richey. 2,624,481, Jan. 6.
 Loading dump truck body. J. E. Dalton. 2,624,464, Jan. 6.
 Lock: See—
 Automatic differential lock. Door lock.
 Automobile seat lock. Vehicle door lock.
 Locking device for toolholder carriage operating in both directions. C. W. Berthies. 2,624,099, Jan. 6.
 Locking lift plug. L. W. Storm. 2,624,609, Jan. 6.
 Loom for circular weaving. J. Dunod. 2,624,367, Jan. 6.
 Loom harness, Jacquard. T. J. Seel. 2,624,369, Jan. 6.
 Loom picking mechanism. W. A. Blanchard. 2,624,371, Jan. 6.
 Loop forming tool for helical springs. J. L. Smith. 2,624,376, Jan. 6.
 Lubricating composition. G. O. Pritsker and D. E. Adelson. 2,624,707, Jan. 6.
 Lubricating device. M. C. Moore. 2,624,423, Jan. 6.
 Lubricating system for internal-combustion engines and filter structure for use therein. C. P. Molyneux. 2,624,422, Jan. 6.
 Luggage handle. A. Caro. 2,624,431, Jan. 6.
 Machine and method for purifying the inert gases. R. H. Savage. 2,624,421, Jan. 6.
 Machine for cleaning oil cooler radiators, etc. J. R. Okon. 2,624,354, Jan. 6.
 Machine for compressing and assembling tampons. M. A. Walter and S. S. Snyder. 2,624,078, Jan. 6.
 Machine for making electrical coils. J. S. Burge, H. J. McKee, and R. M. Goodwin. 2,624,374, Jan. 6.
 Machine for metalworking. E. I. Ghormley. 2,624,303, Jan. 6.
 Machine for printing cylindrical articles. B. G. Harvey. 2,624,274, Jan. 6.
 Machine for wire binding boxes or the like. T. R. Sykes. 2,624,270, Jan. 6.
 Machine for wrapping rodlike articles in tubular wrappers. H. Gamble. 2,624,165, Jan. 6.
 Magazine for translucent strip records. A. W. Kingston. 2,624,231, Jan. 6.
 Magnetic driving implement. F. G. Clark. 2,624,223, Jan. 6.
 Make-ready preparing press. O. W. Bungay. 2,624,389, Jan. 6.
 Making glazed or candied fruit. E. R. Mako. 2,624,676, Jan. 6.
 Making pile fabrics, Method and apparatus for. F. P. Groat. 2,624,390, Jan. 6.
 Maleic anhydride, Production of. J. R. Darby. 2,624,744, Jan. 6.
 Manufacturing plural hose. W. J. Pugh. 2,624,073, Jan. 6.
 Marking machine. D. F. Putnam, C. F. Robbins, and O. B. Meyers. 2,624,279, Jan. 6.
 Marking machine. C. F. Robbins. 2,624,278, Jan. 6.
 Material feeder for dehydrators. E. C. Small. 2,624,447, Jan. 6.
 Matrix storage system. J. T. Potter. 2,624,786, Jan. 6.
 Measuring device. L. E. Mills. 2,624,120, Jan. 6.
 Measuring system. D. E. Bowman. 2,624,781, Jan. 6.
 Measuring system. J. F. Byrne. 2,624,780, Jan. 6.
 Mechanical movement. O. Babat. 2,624,204, Jan. 6.
 Merchandise package. G. L. Evans. 2,624,502, Jan. 6.
 Metal connection for building frames. V. R. P. Saxe. 2,624,429, Jan. 6.
 Metal ion chelating compounds consisting of mono phenyl poly alkylene polyamino polycarboxylic acids and salts. F. C. Bersworth. 2,624,756, Jan. 6.
 Metal window screen frame. S. L. and F. L. Mason. 2,624,428, Jan. 6.
 Metallized ortho-hydroxy, ortho-amino monoazo dyestuffs and their use in dyeing nylon. H. H. Beesthorn and J. P. Morgan. 2,624,653, Jan. 6.
 Method and composition for coating aluminum with tin. S. Helman. 2,624,684, Jan. 6.
 Method maintaining micro-organisms in a viable state. W. L. Owen. 2,624,692, Jan. 6.
 Micrometer measuring device. M. Knobel. 2,624,121, Jan. 6.
 Microwave detector. W. D. Herahberger. 2,624,840, Jan. 6.
 Milk sampling device. W. M. Thomson. 2,624,201, Jan. 6.
 Milking machine cleaner of the cleaning liquid circulating type. C. J. Buchinger. 2,624,355, Jan. 6.
 Modified and unmodified acrylonitrile copolymer compositions and preparing the same. E. L. Kropp and A. S. Nyquist. 2,624,722, Jan. 6.
 Modified paper and its manufacture. S. L. Cluett. 2,624,245, Jan. 6.
 Mold and core-making machine. J. R. Row. 2,624,084, Jan. 6.
 Monogramming machine. S. H. Melater. 2,624,302, Jan. 6.
 Motion-picture reel end indicator. C. W. Hatke. 2,624,306, Jan. 6.
 Motor for sewing machines, Electric. A. R. Younger. 2,624,856, Jan. 6.
 Motor or pump, Rotary vane. J. R. Allsup, Sr. 2,624,282, Jan. 6.
 Mounting device for vacuum tube circuit elements. A. F. Hughes. 2,624,776, Jan. 6.
 Muffler with plural passages. R. B. Bourne. 2,624,418, Jan. 6.
 Multiplying mechanism. E. Dawson. 2,624,506, Jan. 6.
 Musical instrument bow. M. Nebel. 2,624,223, Jan. 6.
 Musical pegboard. P. G. Smith. 2,624,227, Jan. 6.
 N-alpha-phenyl anilines. L. P. Kyrides. 2,624,743, Jan. 6.
 Noncorrosive fire extinguishing composition. W. J. Maxcy and H. L. Sanders. 2,624,706, Jan. 6.
 Nonelectrostatic synthetic resin material. J. A. Bjorksten and J. B. Elsen. 2,624,725, Jan. 6.
 Nozzle, Aerating. R. W. Hyde. 2,624,559, Jan. 6.
 Nuclear monohalogenated 1-hydroxy-4-beta-fluoroalkylamino-2-thiaquinone compounds and their preparation. J. B. Dickey. 2,624,746, Jan. 6.
 Nursery. F. E. Boston. 2,624,485, Jan. 6.
 Nut cleaning and polishing machine. S. A. Pierce. 2,624,059, Jan. 6.
 Object detection system. R. H. Dicke. 2,624,876, Jan. 6.
 Object locating identification system. L. Bess. 2,624,873, Jan. 6.
 Oil filling nozzle and coupling. V. J. Quinlan. 2,624,598, Jan. 6.
 Oil tank. A. F. Fino and F. L. Plummer. 2,624,490, Jan. 6.
 Oil well hanger. R. A. Mueller and R. L. Crain. 2,624,413, Jan. 6.
 Oils having drying properties, Production of. E. M. Gelsner. 2,624,717, Jan. 6.
 Opener: See—
 Container opener.
 Organo-silicon compositions, Curable. D. B. Hatcher and R. H. Bunnell. 2,624,721, Jan. 6.
 Package dispenser. H. P. Compton. 2,624,648, Jan. 6.
 Packing gland. A. W. Elise. 2,624,601, Jan. 6.
 Pad box. H. Gulbrandsen. 2,624,057, Jan. 6.
 Pallet handling apparatus. H. F. Gelst. 2,624,470, Jan. 6.
 Pan stacks. C. W. Fry. 2,624,487, Jan. 6.
 Paper bags, Making. W. H. Bryce. 2,624,246, Jan. 6.
 Paper jogging machine. W. R. Pengnet. 2,624,577, Jan. 6.
 Pasteurizing apparatus. G. C. Colburn and C. W. Turner. 2,624,266, Jan. 6.
 Pasting mechanism for bag closing and sealing machines. H. V. Kindseth. 2,624,309, Jan. 6.
 Pastry forming machine. C. E. Nuttall. 2,624,206, Jan. 6.
 Pattern-controlled reproducing lathe. A. and C. Di Rosa and A. E. Hayes. 2,624,378, Jan. 6.
 Peak clipper indicator. W. W. H. Dean. 2,624,789, Jan. 6.
 Pen, Fountain. K. Welser and D. Kahn. 2,624,315, Jan. 6.
 Pen, Retractable. W. B. Spats. 2,624,314, Jan. 6.
 Pencil and collet therefor, Mechanical. W. E. and W. H. Jacobsen. 2,624,313, Jan. 6.
 Pencil, Magazine. S. B. Harris. 2,624,312, Jan. 6.
 Pencil sharpener. M. Tall. 2,624,317, Jan. 6.
 Permanent waving rod. E. Swenson. 2,624,349, Jan. 6.
 Phonograph. R. J. Rockwell. 2,624,584, Jan. 6.
 Phonograph record bonding. L. Snokoff. 2,624,646, Jan. 6.
 Phosphate ester, Producing. A. Pechukas. 2,624,750, Jan. 6.
 Photocell controlled safety system for fuel burners. E. C. Thomson. 2,624,398, Jan. 6.
 Photocomposing machine. E. W. Dinga. 2,624,798, Jan. 6.
 Photoelectric selector of electric circuits. J. Urteaga. 2,624,787, Jan. 6.

- Photographic emulsion sensitized with gold compounds and sulfur sensitizers. R. G. Tarkington and W. G. Lowe. 2,624,674, Jan. 6.
 Photo-sensitive printing plate having a light sensitive coating consisting of a colloid, a phosphate and a chromium compound. F. H. Frost and F. E. Brinnick. 2,624,672, Jan. 6.
 Photo-sensitive printing plate having a light sensitive coating consisting of a nonprotein colloid, a phosphate and a chromium compound. F. H. Frost and F. E. Brinnick. 2,624,673, Jan. 6.
 Pilot controlled valve for fire extinguishing systems. J. C. Hesson. 2,624,365, Jan. 6.
 Pin. H. E. Love, Jr. 2,624,087, Jan. 6.
 Pipe: See—
 Smoking pipe.
 Piperidinium compounds. M. W. Goldberg and L. M. Jampolsky. 2,624,737-8, Jan. 6.
 Pivoted mounting for vehicle suspension springs. A. C. Stover. 2,624,593, Jan. 6.
 Planer head. C. Morey. 2,624,244, Jan. 6.
 Plastic plasticized with alkyl alkoxyl hydroxy stearates. D. Swern. 2,624,680, Jan. 6.
 Platen lubricating means. F. A. Harper. 2,624,160, Jan. 6.
 Platform structure, Foldable. E. J. Kudrna. 2,624,058, Jan. 6.
 Plow adjustment for railway ballast removing machines. L. A. Perier. 2,624,130, Jan. 6.
 Plug: See—
 Expandable elevator plug. Locking lift plug.
 Plugboard contactor. J. M. Cunningham. 2,624,774, Jan. 6.
 Plug-in magnetron and mount therefor. N. P. Nichols. 2,624,865, Jan. 6.
 Plumbing device for use in hanging wallpaper. C. S. Anderson. 2,624,118, Jan. 6.
 Plural hose. W. J. Pugh. 2,624,366, Jan. 6.
 Pneumatic servomotor. R. B. Walder. 2,624,318, Jan. 6.
 Pneumatic suspension for vehicles. R. Goutrand. 2,624,594, Jan. 6.
 Polarizing attachment for microscopes. A. F. Kirkpatrick and C. R. Stryker. 2,624,236, Jan. 6.
 Polymerizable polyester compositions. M. H. Bigelow. 2,624,714, Jan. 6.
 Polymerization of vinyl chloride in an aqueous emulsion. H. F. Park. 2,624,724, Jan. 6.
 Portable food and beverage container. A. L. Ewing. 2,624,451, Jan. 6.
 Portable workstand. W. J. Tilton. 2,624,590, Jan. 6.
 Positioning device. A. L. M. A. Rouy. 2,624,537, Jan. 6.
 Positive interlock switch. F. S. Sinclair. 2,624,809, Jan. 6.
 Poultry feeder. A. Ametats. 2,624,311, Jan. 6.
 Power drive arrangement for concrete mixers. C. Gerat. 2,624,557, Jan. 6.
 Power feed apparatus. D. Heyer. 2,624,319, Jan. 6.
 Preparing and assembling antifriction bearings. B. T. Virtue. 2,624,105, Jan. 6.
 Press: See—
 Garment press. Side plate press.
 Make-ready preparing press.
 Pressure controller. F. L. Runniger. 2,624,868, Jan. 6.
 Pressure fluid motor with movement limit valve therefor. N. C. Williams. 2,624,320, Jan. 6.
 Primary battery. J. D. Moulton. 2,624,767, Jan. 6.
 Printing surfaces for photographing. Preparation of. G. L. Morrison. 2,624,700, Jan. 6.
 Processing apparatus for radiation detection devices. M. N. Fairbank. 2,624,253, Jan. 6.
 Processing carbonaceous materials for subsequent activation treatment. J. W. Donegan. 2,624,712, Jan. 6.
 Producing a purified coke. J. H. Hickey. 2,624,098, Jan. 6.
 Producing accurately-timed high-power electric pulses. Method and means for. J. T. Vaughan. 2,624,850, Jan. 6.
 Producing inert gases. H. V. Williamson. 2,624,711, Jan. 6.
 Profiling machine. G. A. Eberle, E. S. Zuchowski, and F. V. Maltbie. 2,624,242, Jan. 6.
 Program circuit for automatic furnaces. E. C. Thomson and H. J. Webb. 2,624,399, Jan. 6.
 Projectile. J. A. McNally. 2,624,281, Jan. 6.
 Projection illumination system for the homogeneous distribution of light. E. Gretenner. 2,624,234, Jan. 6.
 Propargyl aldehyde dimethyl acetal, Preparing. F. Fahnoe. 2,624,765, Jan. 6.
 Propelling system for locomotives and other vehicles. J. B. McLean. 2,624,290, Jan. 6.
 Proportionate flow control by balanced magnetic force. R. H. Goddard. 2,624,360, Jan. 6.
 Protector: See—
 Window protector.
 Puller: See—
 Shaft puller.
 Pulse delay circuit. B. L. Havens. 2,624,839, Jan. 6.
 Pulse echo system with time sensitivity control. F. G. Patterson. 2,624,875, Jan. 6.
 Pulse generator. R. A. Herring, Jr. 2,624,851, Jan. 6.
 Pump: See—
 Fluid-operated liquid hydraulic pump.
 Submerged solenoid operated pump.
 Gear pump.
 Pump and motor assembly. Submerged. F. E. Smith. 2,624,286, Jan. 6.
 Purification of crude acetone. G. G. Joris. 2,624,699, Jan. 6.
 Purified brine, Making. A. Hirsch. 2,624,654, Jan. 6.
 Quinone, Manufacture of. L. G. Davy. 2,624,747, Jan. 6.
 Racing game, Pin ball-controlled. D. R. Wleer, T. C. Bartlam, and B. R. Burke. 2,624,581, Jan. 6.
 Rack: See—
 Receptacle rack.
 Radio receiver employing band pass coupling circuit arrangements. E. P. Rudkin. 2,624,838, Jan. 6.
 Radio selector switch and dial mechanism. W. P. Lear. 2,624,835, Jan. 6.
 Radio wave radiating system. R. Redheffer. 2,624,843, Jan. 6.
 Rail saw detecting apparatus. F. H. Keaton and D. C. Bettison. 2,624,770, Jan. 6.
 Railway truck damping device. J. C. Settles. 2,624,291, Jan. 6.
 Range finder for telegraph selectors. C. W. Swan. 2,624,799, Jan. 6.
 Range, Kitchen. E. Ernst. 2,624,329, Jan. 6.
 Razor blade dispensing package. M. J. Sholtzler. 2,624,452, Jan. 6.
 Razor, Safety. H. E. Cardenas. 2,624,109, Jan. 6.
 Reamer and honer for wrist pin bushings. C. L. Clark. 2,624,217, Jan. 6.
 Receptacle rack. J. M. Hinman. 2,624,467, Jan. 6.
 Reciprocating cutting machine, Portable. W. P. Gallagher and C. J. Courant. 2,624,115, Jan. 6.
 Reciprocating feed device. J. J. Gapstur. 2,624,441, Jan. 6.
 Record card. J. M. Winana. 2,624,597, Jan. 6.
 Record controlled machine. O. B. Shafer. 2,624,459, Jan. 6.
 Record perforation analyzing mechanism. C. R. Manning. 2,624,511, Jan. 6.
 Recovery of seaweed mucilage. V. C. E. Le Gloahec. 2,624,727, Jan. 6.
 Reel: See—
 Fishing reel.
 Reel stand. C. F. Van Hook. 2,624,622, Jan. 6.
 Refrigerating apparatus with defrosting mechanism. W. E. Dalay. 2,624,179, Jan. 6.
 Regulated power supply. H. L. Knoebel. 2,624,860, Jan. 6.
 Regulating the position of cold cathode lighting supports. Means for. W. Stein. 2,624,833, Jan. 6.
 Regulator: See—
 Window regulator.
 Remote control pipetting unit. H. C. Andrews and J. F. Gifford. 2,624,656, Jan. 6.
 Removal of hydrogen sulfide. H. R. Sailors. 2,624,694, Jan. 6.
 Repairing fire hoses, Method and composition for. W. F. Peters and J. Riesinger. 2,624,689, Jan. 6.
 Reserve fuel tank. J. Franklin. 2,624,400, Jan. 6.
 Resilient cover for rolling ladders, Detachable. R. C. Frevik. 2,624,258, Jan. 6.
 Resilient cover member for bumper guards. J. H. Weigand. 2,624,607, Jan. 6.
 Retaining spider and plate for material grinding machines. M. F. Ward. 2,624,384, Jan. 6.
 Retractable runner and wheeled type of game carrier. C. W. Jones. 2,624,588, Jan. 6.
 Retractable traffic sign. H. E. Caffrey. 2,624,307, Jan. 6.
 Reversible drive mechanism. S. L. Arenberg. 2,624,214, Jan. 6.
 Reversible electrical connector. G. C. Price. 2,624,776, Jan. 6.
 Rheostat. H. I. Becker. 2,624,822, Jan. 6.
 Rocker convertible to nonrocking chair. G. Andrus. 2,624,393, Jan. 6.
 Rod: See—
 Permanent waving rod.
 Rod holder. M. O. Herzog. 2,624,536, Jan. 6.
 Roll loading system for textile drafting and spinning frames. E. G. Whittaker. 2,624,076, Jan. 6.
 Roller-type drafting apparatus of textile spinning and analogous machinery. W. H. Watson. 2,624,074, Jan. 6.
 Rotary data speedier for stock parts. A. K. Nelson. 2,624,140, Jan. 6.
 Rotary drier. H. F. Irving. 2,624,124, Jan. 6.
 Rotary drilling, Method and means of. O. G. Wallace. 2,624,549, Jan. 6.
 Rotor carrier. A. A. Corder. 2,624,473, Jan. 6.
 Saddle structure. D. O. Dias. 2,624,167, Jan. 6.
 Safety control fuel valve. W. A. Ray. 2,624,358, Jan. 6.
 Safety device for vehicle brake systems. H. H. Osborne. 2,624,176, Jan. 6.
 Safety switch cutoff for automatic laundry machines. H. E. Morrison. 2,624,464, Jan. 6.
 Sanitary belt. R. M. Seala. 2,624,340, Jan. 6.
 Sash ventilator. R. L. Klein. 2,624,263, Jan. 6.
 Saw bar adjustment device. F. D. Arneson. 2,624,379, Jan. 6.
 Saw, Brush. L. N. Haynes. 2,624,380, Jan. 6.
 Saw frame. A. S. Ellstrom. 2,624,205, Jan. 6.

Scrap melting. W. W. Kompart. 2,624,565, Jan. 6.
 Scraper with resilient shield and hand rest. H. R. Weeks. 2,624,111, Jan. 6.
 Screen: See—
 Two-way adjustable screen.
 Screen printing machine. J. D. Klopfenstein. 2,624,276, Jan. 6.
 Screw driver with apertured handle. J. C. Francesconi and J. P. Hubbell. 2,624,383, Jan. 6.
 Screw thread gauge for root and crest measurements relative to the pitch line. P. W. Johnson. 2,624,125, Jan. 6.
 Seat: See—
 Baby seat.
 Child's vehicle seat.
 Secondary time-keeping apparatus. A. B. Benson. 2,624,170, Jan. 6.
 Sectional refrigerated display case. D. J. Grelling. 2,624,649, Jan. 6.
 Selectively reflecting interference mirrors. M. E. Widdop and G. L. Dimmick. 2,624,238, Jan. 6.
 Selector for automatic phonograph. A. G. Bodob. 2,624,795, Jan. 6.
 Self-loading vehicle and controls therefor. H. C. Kaplan. 2,624,478, Jan. 6.
 Self-modulated magnetron. A. M. Clogston. 2,624,863, Jan. 6.
 Sensitivity control circuit for a radar receiver. R. E. Meagher. 2,624,871, Jan. 6.
 Separations of nickel from cobalt containing solutions. M. De Merre. 2,624,702, Jan. 6.
 Sewage treatment. A. J. Fischer and W. A. Kivell. 2,624,704, Jan. 6.
 Shaft furnace. J. J. Craig, J. E. Dunasky, M. F. Morgan, and A. L. Foell. 2,624,580, Jan. 6.
 Shaft puller. J. H. Albright. 2,624,612, Jan. 6.
 Shears. P. Althausen. 2,624,114, Jan. 6.
 Sheath stripper for cable having twisted conductors. W. A. Schneider. 2,624,221, Jan. 6.
 Sheet trimmer. E. L. Stein. 2,624,408, Jan. 6.
 Shelf and cabinet structure, Knockdown. W. D. and G. Butler. 2,624,083, Jan. 6.
 Shirt and tie holder combination. D. Boller. 2,624,050, Jan. 6.
 Shower head. J. P. Magos, C. U. Larson, and A. B. Nelson. 2,624,625, Jan. 6.
 Side plate press. T. F. Stacy. 2,624,272, Jan. 6.
 Sign: See—
 Retractable traffic sign.
 Sign structure, Illuminated. C. F. Martin. 2,624,141, Jan. 6.
 Signal transducer with distortion compensating amplifier. N. B. Saunders. 2,624,796, Jan. 6.
 Signalling switch device. E. E. Anderson. 2,624,808, Jan. 6.
 Silicon-containing alkyl resins. D. B. Hatcher and R. H. Buannell. 2,624,720, Jan. 6.
 6-haloaryl-3-pyridones. E. A. Steck. 2,624,730, Jan. 6.
 Slide feed. F. Koch. 2,624,575, Jan. 6.
 Slug reactor scavenger. J. L. Anderson. 2,624,438, Jan. 6.
 Smoking pipe. J. R. Rosenthal. 2,624,345, Jan. 6.
 Snap action switch. J. A. Spina and E. O. Andersen. 2,624,819, Jan. 6.
 Snap fastener stud installation. H. S. van Buren, Jr. 2,624,091, Jan. 6.
 Socket connector having removable terminals. W. T. Meera. 2,624,773, Jan. 6.
 Solid delay line. D. L. Arenberg. 2,624,804, Jan. 6.
 Sound annunciator. W. L. Hansen. 2,624,226, Jan. 6.
 Sound producer for fishing apparatus. S. A. Webb. 2,624,145, Jan. 6.
 Spark arrester for steam locomotives. C. A. Kutcher. 2,624,503, Jan. 6.
 Spindle dynamometer. W. V. Goodhue and H. H. Wormser. 2,624,197, Jan. 6.
 Spinning or extrusion apparatus. H. J. McDermott. 2,624,070, Jan. 6.
 Sprag type clutch. D. E. Gamble. 2,624,436, Jan. 6.
 Spray apparatus. M. S. Robertson. 2,624,615, Jan. 6.
 Sprayer nozzle. E. Kirschbaum. 2,624,624, Jan. 6.
 Spring counterbalanced louver mechanism. E. A. Mader. 2,624,265, Jan. 6.
 Stabilized plasticized polyvinyl compositions. M. K. Smith. 2,624,718, Jan. 6.
 Stabilizing mechanism for rotary wing aircraft. E. A. Stalker. 2,624,531, Jan. 6.
 Stable aqueous hydrogen peroxide and preparing same. F. P. Greenspan. 2,624,655, Jan. 6.
 Stable liquid organosiloxanes. R. H. Bunnell. 2,624,749, Jan. 6.
 Stand: See—
 Wheelstand.
 Staple for attaching buttons. R. Feiner. 2,624,083, Jan. 6.
 Staple remover. W. G. Pankonin. 2,624,545, Jan. 6.
 Stapler, Desk. C. E. Nyberg. 2,624,046, Jan. 6.
 Stator winding machine. R. O. Scofield and H. C. Schryver. 2,624,518, Jan. 6.
 Steam cleaning apparatus. W. H. Gelles and J. P. Miller. 2,624,618, Jan. 6.
 Steel barrel. E. F. Lee. 2,624,488, Jan. 6.
 Storm window securing means, Flexible. F. J. Burns. 2,624,404, Jan. 6.
 Submerged blast reaction tank. P. K. Anderson. 2,624,657, Jan. 6.
 Submerged solenoid operated pump. P. H. Bills, J. A. Logan, and T. J. Mesh. 2,624,491, Jan. 6.
 Substituted aralkyl alkylene diamino di acetic acids and salts. F. C. Bersworth. 2,624,757, Jan. 6.
 Substituted mono aralkyl alkylene polyamino polyacetic acids. F. C. Bersworth. 2,624,758, Jan. 6.
 Substituted poly aralkyl alkylene poly amino poly acetic acids and salts. F. C. Bersworth. 2,624,759, Jan. 6.
 Subzero treatment of chromium alloy steel. E. J. Svensson. 2,624,688, Jan. 6.
 Suction nozzle for suction cleaners. J. van der Heem. 2,624,063, Jan. 6.
 Supplementary fuel feed device. D. E. Anderson. 2,624,558, Jan. 6.
 Support: See—
 Duck decoy support.
 Support for electric irons, Retractable. H. W. Wilson. 2,624,136, Jan. 6.
 Surface unit tilting means. A. M. Young. 2,624,827, Jan. 6.
 Surgical appliance. L. C. Boothe. 2,624,339, Jan. 6.
 Suspensory support for men's garments. H. L. Hansley. 2,624,336, Jan. 6.
 Switch: See—
 Closure member operated Positive interlock switch.
 Gate switch.
 Snap action switch.
 Switch locator. R. K. Shewmon. 2,624,814, Jan. 6.
 Swivel for positive initial grips. H. P. Dupre. 2,624,602, Jan. 6.
 Table: See—
 Foldable vertically adjustable table.
 Table and ironing board combination. P. D. Gysin. 2,624,137, Jan. 6.
 Tank: See—
 Oil tank.
 Submerged blast reaction tank.
 Reserve fuel tank.
 Tank head fitting with safety factor. W. McCandless. 2,624,821, Jan. 6.
 Teakettle and handle, Whistling. K. E. Porter. 2,624,493, Jan. 6.
 Telegraph signal distortion measuring apparatus. W. T. Rea. 2,624,805, Jan. 6.
 Television system. D. I. Lawson and A. V. Lord. 2,624,797, Jan. 6.
 Temperature control circuit. G. C. Crowley. 2,624,825, Jan. 6.
 Test instrument for blind landing system. R. A. Emmett, Jr. 2,624,872, Jan. 6.
 Thermostatic regulating device. A. W. Rickenbach. 2,624,512, Jan. 6.
 Thread clamp. M. R. Flamand. 2,624,370, Jan. 6.
 Thread guide. W. T. Stearn. 2,624,528, Jan. 6.
 Thread rolling machine. R. E. Flanders and J. W. Batchelder. 2,624,218, Jan. 6.
 Thread tensioning device. B. S. Von Koborn. 2,624,527, Jan. 6.
 Tile roof structure. B. Farren. 2,624,298, Jan. 6.
 Timer and the like, Sequential. W. C. Crimmins. 2,624,811, Jan. 6.
 Timing apparatus for clocks and watches. P. B. Wickham. 2,624,194, Jan. 6.
 Timing device. B. E. Shaw and P. Gluffrida. 2,624,812, Jan. 6.
 Tissue dispensing packet. A. W. Taylor. 2,624,456, Jan. 6.
 Toaster. H. F. Hild. 2,624,269, Jan. 6.
 Toaster, Electric. A. G. Horvath. 2,624,268, Jan. 6.
 Toaster, Electric bread. H. L. Olson. 2,624,267, Jan. 6.
 Toasting apparatus. G. P. Daiger. 2,624,824, Jan. 6.
 Tobacco package. I. Korenman. 2,624,454, Jan. 6.
 Tobacco stemmer. S. Hathaway. 2,624,344, Jan. 6.
 Tool: See—
 Abrading tool.
 Hydraulic impact tool.
 Combination carpenter's tool.
 Tool controlling fluid valve. C. Johnson. 2,624,540, Jan. 6.
 Toothholder. W. Bader. 2,624,103, Jan. 6.
 Torsion spring suspension. J. A. Kany. 2,624,568, Jan. 6.
 Toy device for teaching multiplication tables. C. S. and S. M. Bolognino. 2,624,126, Jan. 6.
 Toy figure manipulating means. S. C. Boyce. 2,624,155, Jan. 6.
 Toy, Magnetic descending. V. F. Wigal. 2,624,151, Jan. 6.
 Toy, Rolling disk. C. M. Weeks and E. F. Saxman, Jr. 2,624,157, Jan. 6.
 Toy suspension bobbyhorse. J. and N. Savella. 2,624,579, Jan. 6.
 Toy, Wheeled sounding. F. Plawner. 2,624,154, Jan. 6.
 Toy with vibrating strands, Flying. M. A. C. Johnson and J. Toth. 2,624,153, Jan. 6.
 Traction chain fastening device for dual vehicle wheels. J. F. Kane. 2,624,388, Jan. 6.
 Tractor, Farm. H. L. Brock. 2,624,257, Jan. 6.
 Tractor implement hitch, Flexible. E. W. Todd. 2,624,256, Jan. 6.
 Traffic signaling system and apparatus. F. A. Pearson. 2,624,793, Jan. 6.

Transfer of granular materials. E. H. Ivey, Jr., and J. W. Delaplaine. 2,624,695, Jan. 6.
 Transmission control system. W. T. Dunn. 2,624,211, Jan. 6.
 Transmission control system. L. B. Forman. 2,624,206-10, Jan. 6.
 Transmitter, Radio noise. R. H. Dicke. 2,624,836, Jan. 6.
 Travelling wave amplifier tube. L. D. Smullin and G. C. Dewey. 2,624,859, Jan. 6.
 Tray for whiskey bottles and glasses, Revolving. J. Di Bari. 2,624,851, Jan. 6.
 Treating birds and feathers. A. A. Horvath. 2,624,685, Jan. 6.
 Trichloroethylidene cyanoacetic acid allyl ester and process. D. T. Mowry and A. H. Schlesinger. 2,624,751, Jan. 6.
 Tridecenyl alcohols. J. M. Butler. 2,624,760, Jan. 6.
 Trimming machine. H. W. Bishop. 2,624,056, Jan. 6.
 Truck, Hand. A. I. Cody and W. E. Brandley. 2,624,472, Jan. 6.
 Tube: See—
 Travelling wave amplifier tube.
 Tunable multi-cavity type magnetron tube.
 Tunable band-pass coaxial filter. P. I. Richards. 2,624,801, Jan. 6.
 Tunable multi-cavity type magnetron tube. M. A. Herlin and W. V. Smith. 2,624,864, Jan. 6.
 Tunable strapped magnetron. E. Everhart and R. Bogrow. 2,624,862, Jan. 6.
 Tuning indicator system. B. D. Loughlin. 2,624,837, Jan. 6.
 Turnover hanger for tongs. C. A. Lundeen. 2,624,550, Jan. 6.
 2,2'-polymethylene-bis(piperidine) compounds. M. W. Goldberg and L. M. Jampolsky. 2,624,736, Jan. 6.
 Two-way adjustable screen. O. E. Lynch. 2,624,405, Jan. 6.
 Umbrella fabric clasp. J. J. Cutrone and M. P. Ferrante. 2,624,357, Jan. 6.
 Underreaming attachment for tractors. E. M. Garner. 2,624,551, Jan. 6.
 Unitary portable photographic illumination source. E. R. Farber. 2,624,831, Jan. 6.
 Universal spinning frame. W. F. Bird and P. T. Bodell. 2,624,075, Jan. 6.
 Vacuum cap remover, Fry type. F. A. Cassiere and J. N. Damore. 2,624,220, Jan. 6.
 Vacuum tube voltmeter. E. W. Yetter. 2,624,770, Jan. 6.
 Valve: See—
 Butterfly valve.
 Safety control fuel valve.
 Diverter valve.
 Tool controlling fluid valve.
 Four-way valve.
 Valve actuating mechanism. C. W. Bryant. 2,624,644, Jan. 6.
 Valve assembly. E. D. Watson and J. D. Creek. 2,624,567, Jan. 6.
 Valve construction. E. I. Gbormley. 2,624,542, Jan. 6.
 Valve for controlling fluid to a plurality of devices. J. B. Brown. 2,624,361, Jan. 6.
 Valve gear length compensation. R. C. Russell. 2,624,324, Jan. 6.
 Valve rotating assembly. M. F. Thorne. 2,624,323, Jan. 6.
 Valved cleaning tool for suction cleaners. E. L. Snyder. 2,624,064, Jan. 6.
 Vehicle body construction. C. F. Kramer. 2,624,614, Jan. 6.
 Vehicle comprising an auto-airplane combination. J. H. Hansen. 2,624,530, Jan. 6.
 Vehicle door lock. R. H. Wise. 2,624,604, Jan. 6.
 Vehicle transmission. E. C. McRae. 2,624,215, Jan. 6.
 Vehicle wheel suspension system. E. S. MacPherson. 2,624,592, Jan. 6.
 Vehicle windshield cover. J. C. and A. Skychowski. 2,624,406, Jan. 6.
 Velocipede accessory for producing noise. E. B. Meyer, Jr. 2,624,156, Jan. 6.
 Ventilator, Window. W. Lukasavics. 2,624,402, Jan. 6.
 Vibrator for discharging hopper bottom containers. A. Musciboot and C. M. Young, Jr. 2,624,479, Jan. 6.
 Vibratory massage device. C. J. Miller. 2,624,335, Jan. 6.
 Vinyl resin dispersions. I. I. Bezman and D. D. Brownling. 2,624,718, Jan. 6.
 Voltage regulating relay. I. E. McCabe. 2,624,818, Jan. 6.
 Wall of hollow building blocks. W. A. Larson. 2,624,193, Jan. 6.
 Wallpaper trimming machine. A. Chalmers. 2,624,407, Jan. 6.
 Water purifier. H. G. Gentry. 2,624,705, Jan. 6.
 Waving hair. R. E. Melaro. 2,624,347, Jan. 6.
 Wax product and preparing same. S. W. Ferria. 2,624,693, Jan. 6.
 Web handling mechanism. E. G. Rice. 2,624,573, Jan. 6.
 Weft replenishing apparatus for circular looms. J. Dunod. 2,624,368, Jan. 6.
 Weighing and feed device having volume and dribble feed. J. P. Voller. 2,624,443, Jan. 6.
 Weighing apparatus. J. Last. 2,624,563, Jan. 6.
 Weighing machine, Automatic lot. J. N. Schrock and C. E. and H. Watson. 2,624,538, Jan. 6.
 Welding head. S. H. Lampert. 2,624,391, Jan. 6.
 Well bailer. W. B. Harrell and A. H. Trester. 2,624,414, Jan. 6.
 Well packer rubber. C. H. Sweet. 2,624,603, Jan. 6.
 Well pump with successive pistons. J. B. Reilly. 2,624,288, Jan. 6.
 Well strainer. W. H. Ellis. 2,624,411, Jan. 6.
 Wheel: See—
 Air chamber wheel.
 Grinding wheel.
 Wheel alignment signaling means. E. D. Wilkerson. 2,624,123, Jan. 6.
 Wheel cover. G. A. Lyon. 2,624,626-32, Jan. 6.
 Wheel cover. G. A. Lyon. 2,624,634, Jan. 6.
 Wheel cover. G. A. Lyon, Jr. 2,624,635, Jan. 6.
 Wheel cover. G. A. Lyon. 2,624,638-40, Jan. 6.
 Wheel structure. G. A. Lyon. 2,624,633, Jan. 6.
 Wheel structure. G. A. Lyon. 2,624,636, Jan. 6.
 Wheel trim assembly. G. A. Lyon. 2,624,637, Jan. 6.
 Wheeled device for transporting boats. J. P. Choplin. 2,624,591, Jan. 6.
 Winch for trailers. C. W. Walls and J. H. Clark. 2,624,547, Jan. 6.
 Window. R. E. Cheesman. 2,624,082, Jan. 6.
 Window display receptacle with folding easel. H. L. Myers. 2,624,455, Jan. 6.
 Window protector. G. Zelenko. 2,624,403, Jan. 6.
 Window regulator. W. L. Dennis. 2,624,570, Jan. 6.
 Window ventilator, Adjustable. C. F. Mergner. 2,624,264, Jan. 6.
 Wire package. F. A. Green. 2,624,526, Jan. 6.
 Wire tying machine. K. E. Schulze. 2,624,375, Jan. 6.
 Wrench with threaded handle, Adjustable jaw internal. A. R. Joy. 2,624,222, Jan. 6.
 X-ray film badge dosimeter. E. Tochlin and R. H. Davis. 2,624,846, Jan. 6.
 Zirconium oxide pollabing material. J. B. Miller. 2,624,661, Jan. 6.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 6, 1953

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 3: 2,624,046	36— 50: 2,624,129	74— 472: 2,624,206	103— 11: 2,624,283	137— 102: 2,624,361	180— 1: 2,624,416
49: 2,624,047	95: 2,624,130	2,624,207	44: 2,624,284	155: 2,624,362	53: 2,624,416
2— 69.5: 2,624,048	104: 2,624,130	2,624,208	46: 2,624,285	481: 2,624,363	32: 2,624,417
114: 2,624,049	144: 2,624,131	2,624,209	87: 2,624,286	609: 2,624,364	48: 2,624,418
115: 2,624,050	150: 2,624,132	2,624,210	138: 2,624,287	688: 2,624,365	8: 2,624,419
174: 2,624,051	41: 2,624,133	2,624,211	179: 2,624,288	87: 2,624,366	4: 2,624,420
204: 2,624,052	47: 2,624,134	484: 2,624,212	204: 2,624,289	180— 16: 2,624,367	4.3: 2,624,421
4— 185: 2,624,053	79: 2,624,135	650: 2,624,213	104— 62: 2,624,290	86: 2,624,368	6: 2,624,422
5— 331: 2,624,053	105: 2,624,136	665: 2,624,214	197: 2,624,291	137: 2,624,369	15: 2,624,423
8— 42: 2,624,053	143: 2,624,137	677: 2,624,215	308: 2,624,292	147: 2,624,370	40: 2,624,424
12— 17: 2,624,056	10: 2,624,138	711: 2,624,216	100— 139: 2,624,293	177: 2,624,371	29: 2,624,425
38: 2,624,057	68: 2,624,140	93: 2,624,217	182: 2,624,294	190: 2,624,372	79.5: 2,624,426
14— 72: 2,624,058	132: 2,624,141	124: 2,624,218	210: 2,624,295	334: 2,624,373	4: 2,624,427
16— 2.17: 2,624,059	137: 2,624,142	125: 2,624,219	107— 1: 2,624,296	92.2: 2,624,374	34: 2,624,428
104: 2,624,060	140: 2,624,143	136: 2,624,220	4: 2,624,297	93: 2,624,375	36: 2,624,429
144: 2,624,061	41— 42: 2,624,144	77— 75.8: 2,624,221	18: 2,624,298	103: 2,624,376	37: 2,624,430
167: 2,624,062	43— 17.1: 2,624,145	80— 8: 2,624,222	58: 2,624,299	142— 7: 2,624,377	100— 077: 2,624,431
373: 2,624,063	42.5: 2,624,146	81— 3.3: 2,624,223	108— 10: 2,624,300	143— 32: 2,624,378	3: 2,624,432
417: 2,624,064	43.16: 2,624,147	3.46: 2,624,224	28: 2,624,301	43: 2,624,379	22: 2,624,433
114: 2,624,065	84: 2,624,148	9.51: 2,624,225	110— 72: 2,624,302	133: 2,624,380	45: 2,624,434
135: 2,624,066	89: 2,624,149	125: 2,624,226	112— 102: 2,624,303	144— 116: 2,624,381	98: 2,624,435
16— 2: 2,624,068	137: 2,624,150	40: 2,624,227	113— 82: 2,624,304	145— 50: 2,624,382	45.1: 2,624,436
8: 2,624,069	46— 45: 2,624,151	402: 2,624,228	114— 183: 2,624,305	146— 199: 2,624,383	101: 2,624,437
30: 2,624,071	83: 2,624,152	471: 2,624,229	116— 4: 2,624,306	148— 21.56: 2,624,384	96: 2,624,438
58.3: 2,624,072	111: 2,624,153	47: 2,624,230	63: 2,624,307	150— 30: 2,624,385	17: 2,624,439
59: 2,624,073	128: 2,624,154	88— 1.8: 2,624,231	117— 117: 2,624,308	161— 41.73: 2,624,386	28: 2,624,440
130: 2,624,074	191: 2,624,155	16: 2,624,232	78: 2,624,309	162— 10: 2,624,387	52: 2,624,441
131: 2,624,075	220: 2,624,156	17: 2,624,233	130: 2,624,310	154— 1: 2,624,388	197— 33: 2,624,442
135: 2,624,076	83: 2,624,157	24: 2,624,234	142: 2,624,311	1: 2,624,389	19: 2,624,443
144.5: 2,624,077	103: 2,624,158	26: 2,624,235	155: 2,624,312	104: 2,624,390	39: 2,624,444
155: 2,624,078	141: 2,624,159	40: 2,624,236	166: 2,624,313	155— 3: 2,624,391	108: 2,624,445
20— 9: 2,624,080	167: 2,624,160	56: 2,624,237	118— 8: 2,624,314	2: 2,624,392	177: 2,624,446
19: 2,624,081	249: 2,624,161	105: 2,624,238	119— 17: 2,624,315	33: 2,624,393	102: 2,624,447
42: 2,624,082	298: 2,624,162	109: 2,624,239	53.5: 2,624,316	73: 2,624,394	161: 2,624,448
92: 2,624,083	309: 2,624,163	100: 2,624,240	22: 2,624,317	180: 2,624,395	170: 2,624,449
22— 10: 2,624,084	8: 2,624,164	86— 33: 2,624,241	42.08: 2,624,318	174: 2,624,396	177: 2,624,450
23— 42: 2,624,085	9: 2,624,165	90— 13: 2,624,242	42.13: 2,624,319	158— 28: 2,624,397	200— 4: 2,624,451
207.5: 2,624,086	66: 2,624,166	33: 2,624,243	98: 2,624,320	40.3: 2,624,398	90: 2,624,452
260: 2,624,087	108: 2,624,167	38: 2,624,244	121— 45: 2,624,321	159— 13: 2,624,399	33: 2,624,453
271: 2,624,088	54— 46: 2,624,168	92— 35: 2,624,245	46: 2,624,322	160— 23: 2,624,400	38: 2,624,454
94: 2,624,089	56— 249: 2,624,169	36.3: 2,624,246	43.6: 2,624,323	100: 2,624,401	82: 2,624,455
123: 2,624,090	58— 34: 2,624,170	51: 2,624,247	289: 2,624,324	326: 2,624,402	80: 2,624,456
150: 2,624,091	60— 13: 2,624,171	45: 2,624,248	122— 90: 2,624,325	353: 2,624,403	88: 2,624,457
163: 2,624,092	30.04: 2,624,172	50: 2,624,249	123— 119: 2,624,326	368: 2,624,404	89: 2,624,458
168: 2,624,093	49: 2,624,173	7: 2,624,250	124— 139: 2,624,327	61: 2,624,405	102: 2,624,459
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235: 2,624,096	54.9: 2,624,176	66: 2,624,253	141: 2,624,330	6: 2,624,408	164: 2,624,462
246: 2,624,097	1: 2,624,177	89: 2,624,254	142: 2,624,331	12: 2,624,409	201— 48: 2,624,463
25— 11: 2,624,098	3: 2,624,178	40: 2,624,255	143— 119: 2,624,332	14: 2,624,410	50: 2,624,464
38: 2,624,099	4: 2,624,179	47: 2,624,256	144— 139: 2,624,333	19: 2,624,411	73: 2,624,465
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45: 2,624,102	1: 2,624,182	188: 2,624,259	36: 2,624,336	171— 98: 2,624,414	25: 2,624,468
26— 1: 2,624,103	86: 2,624,183	2,624,260	180: 2,624,337	173— 324: 2,624,415	57: 2,624,469
28.14: 2,624,104	149: 2,624,184	2,624,261	186: 2,624,338	2,624,416	17: 2,624,470
33: 2,624,105	175: 2,624,185	40: 2,624,262	218: 2,624,339	326: 2,624,417	124: 2,624,471
62: 2,624,106	4.1: 2,624,186	96: 2,624,263	263: 2,624,340	2,624,418	196: 2,624,472
96: 2,624,107	7.1: 2,624,187	99.8: 2,624,264	291: 2,624,341	361: 2,624,419	213: 2,624,473
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286: 2,624,110	70: 2,624,190	102: 2,624,267	28: 2,624,344	183: 2,624,422	16: 2,624,476
6.1: 2,624,111	466: 2,624,191	136: 2,624,268	131— 130: 2,624,345	2,624,423	38: 2,624,477
40: 2,624,112	2.3: 2,624,192	140: 2,624,269	132— 1: 2,624,346	2,624,424	45.27: 2,624,478
124: 2,624,113	2.4: 2,624,193	252: 2,624,270	133— 13: 2,624,347	320: 2,624,425	79: 2,624,479
171: 2,624,114	2.5: 2,624,194	327: 2,624,271	134— 41: 2,624,348	2,624,426	107: 2,624,480
257: 2,624,115	2,624,195	330: 2,624,272	42: 2,624,349	2,624,427	110: 2,624,481
273: 2,624,116	41: 2,624,196	213: 2,624,273	5: 2,624,350	321: 2,624,428	144: 2,624,482
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33— 27: 2,624,118	136: 2,624,198	40: 2,624,275	101: 2,624,352	8.7: 2,624,430	210— 4: 2,624,484
126.8: 2,624,119	194: 2,624,199	93: 2,624,276	102— 108: 2,624,353	33: 2,624,431	16: 2,624,485
138: 2,624,120	202: 2,624,200	123: 2,624,277	103— 135— 36: 2,624,354	44: 2,624,432	57: 2,624,486
164: 2,624,121	328: 2,624,201	179: 2,624,278	136— 113: 2,624,355	2,624,433	183: 2,624,487
190: 2,624,122	426.4: 2,624,202	253: 2,624,279	137— 146: 2,624,356	2,624,434	43: 2,624,488
257: 2,624,123	7: 2,624,203	321: 2,624,280	138— 66: 2,624,357	2,624,435	71: 2,624,489
303.2: 2,624,124	42: 2,624,204	49: 2,624,281	139— 94: 2,624,358	170— 69: 2,624,436	123: 2,624,490
34— 31: 2,624,125	342.14: 2,624,205	100— 4: 2,624,282	100: 2,624,359	27.53: 2,624,437	147: 2,624,491
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214— 1: 2,624,473	11.4: 2,624,833	421: 2,624,712	461: 2,624,750	96.2: 2,624,592	108: 2,624,851
17: 2,624,474	3: 2,624,814	441: 2,624,713	465.4: 2,624,751	104.5: 2,624,593	308— 47: 2,624,842
35: 2,624,475	38: 2,624,815	8: 2,624,543	476: 2,624,752	124: 2,624,594	194: 2,624,843
77: 2,624,476	39: 2,624,816	15: 2,624,544	485: 2,624,753	188: 2,624,595	196: 2,624,844
2,624,477	40: 2,624,817	28: 2,624,545	490: 2,624,754	164: 2,624,596	216: 2,624,845
78: 2,624,478	1: 2,624,818	144: 2,624,546	518: 2,624,755	281— 5: 2,624,597	310— 8.2: 2,624,852
83.3: 2,624,479	39: 2,624,819	187: 2,624,547	518: 2,624,756	285— 183: 2,624,598	8.5: 2,624,853
100: 2,624,480	46.6: 2,624,820	21: 2,624,548	518: 2,624,757	286— 9: 2,624,599	9.3: 2,624,854
140: 2,624,481	55.8: 2,624,821	28: 2,624,549	518: 2,624,758	11.14: 2,624,600	60: 2,624,855
353: 2,624,482	88: 2,624,822	35: 2,624,550	518: 2,624,759	38: 2,624,601	74: 2,624,856
380: 2,624,483	84.6: 2,624,823	76: 2,624,551	519: 2,624,760	287— 115: 2,624,602	312— 12: 2,624,846
504: 2,624,484	84.6: 2,624,824	80: 2,624,552	553: 2,624,761	288— 2: 2,624,603	44: 2,624,847
215— 11: 2,624,485	122: 2,624,825	196: 2,624,553	564: 2,624,762	290— 4: 2,624,604	67: 2,624,848
210— 19: 2,624,486	124: 2,624,826	255: 2,624,554	567.8: 2,624,763	292— 30: 2,624,605	107: 2,624,849
20: 2,624,487	153: 2,624,827	262.16: 2,624,555	590: 2,624,764	212: 2,624,606	305: 2,624,850
37: 2,624,488	167: 2,624,828	263: 2,624,556	615: 2,624,765	290: 2,624,606	351: 2,624,851
2,624,489	244— 1: 2,624,829	269— 168: 2,624,557	615: 2,624,766	293— 65: 2,624,607	313— 108: 2,624,857
38: 2,624,490	2: 2,624,830	260— 9: 2,624,558	615: 2,624,767	294— 63: 2,624,608	201: 2,624,858
2,624,491	17.13: 2,624,831	17.4: 2,624,559	615: 2,624,768	86: 2,624,609	315— 3: 2,624,859
47: 2,624,492	42: 2,624,832	22: 2,624,560	615: 2,624,769	96: 2,624,610	22: 2,624,860
220— 8: 2,624,493	50: 2,624,833	23.6: 2,624,561	615: 2,624,770	103: 2,624,611	40: 2,624,861
8: 2,624,494	103: 2,624,834	29.8: 2,624,562	615: 2,624,771	103: 2,624,612	2,624,862
46: 2,624,495	23: 2,624,835	45.4: 2,624,563	615: 2,624,772	296— 65: 2,624,613	2,624,863
52: 2,624,496	42: 2,624,836	45.96: 2,624,564	615: 2,624,773	137: 2,624,614	2,624,864
85: 2,624,497	180: 2,624,837	46.5: 2,624,565	615: 2,624,774	30: 2,624,615	2,624,865
222— 146: 2,624,498	240— 12: 2,624,838	85.5: 2,624,566	615: 2,624,775	77: 2,624,616	167: 2,624,866
177: 2,624,499	18: 2,624,839	88.2: 2,624,567	615: 2,624,776	83: 2,624,617	344: 2,624,867
469: 2,624,500	8: 2,624,840	92.8: 2,624,568	615: 2,624,777	84: 2,624,618	32: 2,624,868
561: 2,624,501	16: 2,624,841	93.5: 2,624,569	615: 2,624,778	84: 2,624,619	321: 2,624,869
223— 13: 2,624,502	17: 2,624,842	94.2: 2,624,570	615: 2,624,779	88: 2,624,620	322— 6: 2,624,870
96: 2,624,503	20: 2,624,843	209: 2,624,571	615: 2,624,780	89: 2,624,621	340— 40: 2,624,871
224— 42.1: 2,624,504	2,624,844	243: 2,624,572	615: 2,624,781	96: 2,624,622	102: 2,624,872
48: 2,624,505	2,624,845	260: 2,624,573	615: 2,624,782	115: 2,624,623	244: 2,624,873
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19: 2,624,507	2,624,847	268: 2,624,575	615: 2,624,784	201— 37: 2,624,625	299: 2,624,875
229— 3.1: 2,624,508	33: 2,624,848	268: 2,624,576	615: 2,624,785	2,624,626	274: 2,624,876
71: 2,624,509	41.9: 2,624,849	268: 2,624,577	615: 2,624,786	2,624,627	310: 2,624,877
230— 97: 2,624,510	83: 2,624,850	268: 2,624,578	615: 2,624,787	2,624,628	345: 2,624,878
235— 275: 2,624,511	83.6: 2,624,851	268: 2,624,579	615: 2,624,788	2,624,629	5: 2,624,879
61: 2,624,512	208: 2,624,852	268: 2,624,580	615: 2,624,789	2,624,630	6: 2,624,880
2,624,513	208: 2,624,853	268: 2,624,581	615: 2,624,790	2,624,631	11: 2,624,881
61.11: 2,624,514	2,624,854	268: 2,624,582	615: 2,624,791	2,624,632	12: 2,624,882
61.5: 2,624,515	2,624,855	268: 2,624,583	615: 2,624,792	2,624,633	12: 2,624,883
236— 12: 2,624,516	2,624,856	268: 2,624,584	615: 2,624,793	2,624,634	112: 2,624,884
45: 2,624,517	2,624,857	268: 2,624,585	615: 2,624,794	2,624,635	74: 2,624,885
240— 1.3: 2,624,518	2,624,858	268: 2,624,586	615: 2,624,795	2,624,636	
	2,624,859	268: 2,624,587	615: 2,624,796	2,624,637	
	2,624,860	268: 2,624,588	615: 2,624,797	2,624,638	
	2,624,861	268: 2,624,589	615: 2,624,798	2,624,639	
	2,624,862	268: 2,624,590	615: 2,624,799	2,624,640	
	2,624,863	268: 2,624,591	615: 2,624,800	2,624,641	
	2,624,864	268: 2,624,592	615: 2,624,801		
	2,624,865	268: 2,624,593	615: 2,624,802		
	2,624,866	268: 2,624,594	615: 2,624,803		
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	2,624,868	268: 2,624,596	615: 2,624,805		
	2,624,869	268: 2,624,597	615: 2,624,806		
	2,624,870	268: 2,624,598	615: 2,624,807		
	2,624,871	268: 2,624,599	615: 2,624,808		
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	2,624,873	268: 2,624,601	615: 2,624,810		
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	2,624,878	268: 2,624,606	615: 2,624,815		
	2,624,879	268: 2,624,607	615: 2,624,816		
	2,624,880	268: 2,624,608	615: 2,624,817		
	2,624,881	268: 2,624,609	615: 2,624,818		
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	2,624,883	268: 2,624,611	615: 2,624,820		
	2,624,884	268: 2,624,612	615: 2,624,821		
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	2,624,886	268: 2,624,614	615: 2,624,823		
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	2,624,888	268: 2,624,616	615: 2,624,825		
	2,624,889	268: 2,624,617	615: 2,624,826		
	2,624,890	268: 2,624,618	615: 2,624,827		
	2,624,891	268: 2,624,619	615: 2,624,828		
	2,624,892	268: 2,624,620	615: 2,624,829		
	2,624,893	268: 2,624,621	615: 2,624,830		
	2,624,894	268: 2,624,622	615: 2,624,831		
	2,624,895	268: 2,624,623	615: 2,624,832		
	2,624,896	268: 2,624,624	615: 2,624,833		
	2,624,897	268: 2,624,625	615: 2,624,834		
	2,624,898	268: 2,624,626	615: 2,624,835		
	2,624,899	268: 2,624,627	615: 2,624,836		
	2,624,900	268: 2,624,628	615: 2,624,837		
	2,624,901	268: 2,624,629	615: 2,624,838		
	2,624,902	268: 2,624,630	615: 2,624,839		
	2,624,903	268: 2,624,631	615: 2,624,840		
	2,624,904	268: 2,624,632	615: 2,624,841		
	2,624,905	268: 2,624,633	615: 2,624,842		
	2,624,906	268: 2,624,634	615: 2,624,843		
	2,624,907	268: 2,624,635	615: 2,624,844		
	2,624,908	268: 2,624,636	615: 2,624,845		
	2,624,909	268: 2,624,637	615: 2,624,846		
	2,624,910	268: 2,624,638	615: 2,624,847		
	2,624,911	268: 2,624,639	615: 2,624,848		
	2,624,912	268: 2,624,640	615: 2,624,849		
	2,624,913	268: 2,624,641	615: 2,624,850		
	2,624,914	268: 2,624,642	615: 2,624,851		
	2,624,915	268: 2,624,643	615: 2,624,852		
	2,624,916	268: 2,624,644	615: 2,624,853		
	2,624,917	268: 2,624,645	615: 2,624,854		
	2,624,918	268: 2,624,646	615: 2,624,855		
	2,624,919	268: 2,624,647	615: 2,624,856		
	2,624,920	268: 2,624,648	615: 2,624,857		
	2,624,921	268: 2,624,649	615: 2,624,858		
	2,624,922	268: 2,624,650	615: 2,624,859		
	2,624,923	268: 2,624,651	615: 2,624,860		
	2,624,924	268: 2,624,652	615: 2,624,861		
	2,624,925	268: 2,624,653	615: 2,624,862		
	2,624,926	268: 2,624,654	615: 2,624,863		
	2,624,927	268: 2,624,655	615: 2,624,864		
	2,624,928	268: 2,624,656	615: 2,624,865		
	2,624,929	268: 2,624,657	615: 2,624,866		
	2,624,930	268: 2,624,658	615: 2,624,867		
	2,624,931	268: 2,624,659	615: 2,624,868		
	2,624,932	268: 2,624,660	615: 2,624,869		
	2,624,933	268: 2,624,661	615: 2,624,870		
	2,624,934	268: 2,624,662	615: 2,624,871		
	2,624,935	268: 2,624,663	615: 2,624,872		
	2,624,936	268: 2,624,664	615: 2,624,873		
	2,624,937	268: 2,624,665	615: 2,624,874		
	2,624,938	268: 2,624,666	615: 2,624,875		
	2,624,939	268: 2,624,667	615: 2,624,876		
	2,624,940	268: 2,624,668	615: 2,624,877		
	2,624,941	268: 2,624,669	615: 2,624,878		
	2,624,942	268: 2,624,670	615: 2,624,879		
	2,624,943	268: 2,624,671	615: 2,624,880		
	2,624,944	268: 2,624,672	615: 2,624,881		
	2,624,945	268: 2,624,673	615: 2,624,882		
	2,624,946	268: 2,624,674	615: 2,624,883		
	2,624,947	268: 2,624,675	615: 2,624,884		
	2,624,948	268: 2,624,676	615: 2,624,885		
	2,624,949	268: 2,624,677	615: 2,624,886		
	2,624,950	268: 2,624,678	615: 2,624,887		
	2,624,951	268: 2,624,679	615: 2,624,888		
	2,624,952	268: 2,624,680	615: 2,624,889		
	2,624,953	268: 2,			

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Total	1,276

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Volume 666

Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business December 19, 1952

Total number of patent applications awaiting action, 97,747. Date of oldest new application, March 25, 1952; date of oldest amended application, March 17, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(O. E. D.) KEELY, J. E.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Sewerage.	4-10-52	4-10-52	1566
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers.	4-15-52	4-23-52	1218
3. WINDHAM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-20-52	5-20-52	1779
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus.	4-4-52	4-4-52	1443
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	4-12-52	4-12-52	1059
6. SURLE, H., Carbon Chemistry (part).	4-16-52	4-5-52	2139
7. ANDERSON, E. O., (Acting), Optics; Photography (part).	4-17-52	4-14-52	1392
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	4-30-52	4-29-52	1320
9. BRANSON, J. H., Pumps and Fans; Fluid Motors.	4-10-52	4-10-52	1380
10. REYNOLDS, E. R., Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	4-21-52	4-16-52	1274
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	4-2-52	4-2-52	1256
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-29-52	3-21-52	1329
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	3-29-52	3-31-52	1306
14. MANIAN, J. O., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	4-10-52	4-8-52	1421
15. STEPHENSON, W. J. (Acting), Plastic; Plastic Block and Earthenware Apparatus; Glass.	4-21-52	4-18-52	1003
16. LOVEWELL, N. N., Television, Telephony.	4-1-52	4-3-52	1421
17. LEIOHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	3-31-52	3-26-52	1448
18. KURZ, J. A., Power Plants; Speed Responsive Devices.	4-16-52	4-30-52	728
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	4-2-52	4-2-52	1071
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	4-10-52	4-10-52	1299
21. MADER, R. C., Textiles.	3-26-52	3-25-52	1336
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	4-4-52	4-3-52	1130
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education.	4-1-52	4-2-52	886
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	5-15-52	5-3-52	1250
25. McNAB, J. O., (Acting), Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	3-27-52	3-26-52	1406
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	4-21-52	4-19-52	1561
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making.	4-9-52	4-9-52	1476
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-7-52	4-7-52	1183
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus).	4-23-52	3-28-52	1198
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating System; Refrigeration; Illuminating Burners.	5-9-52	5-9-52	1465
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-25-52	3-17-52	2397
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-proportioning Systems.	4-11-52	4-18-52	1430
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-19-52	4-17-52	1757
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	3-25-52	3-28-52	1129
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles.	4-18-52	4-17-52	1314
36. McFADYEN, A. D., Measuring and Testing.	4-21-52	4-25-52	1039
37. LEVY, L. M., Recorders.	4-9-52	4-2-52	1856
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	4-16-52	4-15-52	1469
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part).	6-14-52	6-16-52	1113
40. DRUMMOND, E. J., Receptacles (part); Packages.	6-11-52	6-5-52	1174
41. GURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-22-52	4-24-52	901

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 97,747. Date of oldest new application, March 25, 1952; date of oldest amended application, March 17, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	4-24-52	4-30-52	1079
43. KNIGHT, W. O., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-3-52	5-1-52	1477
44. HARVEY, L. P., Beds; Chairs; Seats.	4-2-52	4-1-52	1144
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-1-52	4-26-52	1286
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	3-27-52	4-2-52	1053
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	4-1-52	4-1-52	1671
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-8-52	4-8-52	1628
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	3-28-52	3-24-52	1413
50. BENOEL, W. O., Synthetic Resins; Rubber.	5-20-52	5-20-52	1486
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	4-18-52	4-16-52	1442
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-22-52	4-23-52	2054
53. BRINDISI, M. V., Label Pasting and Paper Hanging, Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	4-30-52	5-1-52	1030
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	4-4-52	4-2-52	1805
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	4-15-52	4-14-52	993
56. COOKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	4-16-52	4-15-52	1436
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-21-52	5-15-52	1569
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spitoons.	4-26-52	4-15-52	1277
59. SHEPARD, F. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	4-10-52	4-25-52	1165
60.			
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-8-52	4-3-52	1173
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-3-52	4-25-52	1153
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	4-2-52	4-4-52	1726
64. GORECKI, O. A., Fuels and Miscellaneous Compositions.	4-4-52	4-1-52	1814
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	4-26-52	4-19-52	1382
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	4-16-52	4-7-52	892
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	4-9-52	4-4-52	1703
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	5-20-52	5-22-52	1332
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-2-52	4-2-52	1139
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	3-25-52	3-21-52	3087
DESIGNS: A. BREHM, O. L., Industrial Arts.	5-28-52	9-26-52	602
B. GRAY, M. A., Household, Personal and Fine Arts.	9-2-52	9-2-52	754

*Div. 60 was abolished as of December 15, 1952. See Commissioners Administrative Order No. 41, (665 O. O. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 13,206. Date of oldest new application, July 10, 1952; date of oldest amended application, July 10, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 12, 15, 18, 27, 28, 30, 33, 35, 44, 51, 52.	7-10-52	7-10-52	2974
II. SUMMERS, O. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	7-10-52	7-10-52	3681
Renewals (All Classes).	10-23-52	12-2-52	507
Republications (All Classes).	10-21-52	10-21-52	212
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	7-10-52	7-10-52	3214
IV. KEYS, O. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	7-19-52	7-11-52	3618

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. 8.

1,958,725, L. H. Stein, Ball bearing; 2,140,818, 2,230,471, same, Anti-friction bearing, D. C., N. D. Ill. (Chicago), Doc. 50c857, *Aetna Ball & Roller Bearing Co. v. Standard Unit Parts Corp.* Claims 1, 2, 4, and 5 of 1,958,725 held valid and infringed prior to expiration on May 15, 1951, claims 1, 4, 7, and 8 of 2,140,818, and claims 1, 2, 3, and 4 of 2,230,471 held invalid both for reclaiming of an old combination and for want of patentable invention; amended complaint dismissed for want of equity Oct. 15, 1952.

2,169,281. (See 2,169,280.) 2,169,966. (See 2,169,280.)

2,190,078. (See 2,140,267.) 2,203,394. (See 2,131,675.)

2,206,615. (See 2,169,280.) 2,206,616. (See 2,169,280.)

2,230,471. (See 1,958,725.)

2,000,120, E. R. Bush, Stains and related compositions; 2,000,121, same, Wood stains, D. C., N. D. Ill. (Chicago), Doc. 52c248, *Chadeloid Corp. v. Skille-Young Corp.* Complaint and counterclaim dismissed Oct. 20, 1952. Doc. 52c249, *Chadeloid Corp. v. V. J. Dolan & Co., Inc.* Complaint dismissed Oct. 20, 1952.

2,399,212, R. C. Dawson et al., Disintegrator drill; 2,539,439, R. W. Kumler, Metal disintegrator, filed Oct. 21, 1952, D. C., E. D. Mich. (Detroit), Doc. 12245, *Electro-Arc Mfg. Co. v. Clinton Machine Co.*

2,000,121. (See 2,000,120.)

2,131,675, R. E. Schieber, Table structure; 2,203,394, same, Folding bench and table construction, D. C., S. D. Calif. (Los Angeles), Doc. 14014-C, *Schieber Mfg. Co. v. Rol-Fol Table, Inc.* Stipulation and order dismissing complaint and counterclaim without prejudice Sept. 30, 1952.

2,538,750, Lappin & Zaiger, Adaptor for windshield wiper motor; 2,559,208, L. Zaiger, Windshield wiper mechanism, filed Oct. 14, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. C12975, *R. I. Lappin et al. v. E. A. Laboratories, Inc.*

2,539,439. (See 2,399,212.) 2,559,208. (See 2,538,750.)

2,140,267, J. Markowitz, Radio tube oscillator; 2,190,078, same, Low frequency oscillator, second counterclaim for declaratory judgment filed Oct. 21, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c282, *Allen Organ Co., Inc. v. Haygren Organ Co. et al.*

2,571,294, Sale & Press, Inner deflector mounting for flood lights; 2,571,295, same, Detachable mounting means for flood light reflectors, filed Oct. 20, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14632-WB, *C. T. Biggs v. Flood Lite Service, Inc., et al.*

2,571,295. (See 2,571,294.)

2,140,818. (See 1,958,725.)

2,169,280, C. Pfannstiehl, Method for forming shaped small objects; 2,169,281, same, Apparatus for forming shaped small objects; 2,169,966, same, Small shaped metallic objects; 2,206,615, Pfannstiehl & Devereux, Tips for small bases; 2,206,616, same, Osmium composition and

Des. 151,732, W. G. Bley, Lady's stocking, filed Oct. 22, 1952, D. C. N. J. (Trenton), Doc. 1026/52, *Sanson Hosiery Mills, Inc., et al. v. National Shoe Stores, Inc.*

Des. 152,887, A. C. Koett, Universal head for a portable power drill, filed Oct. 20, 1952, D. C., S. D. N. Y., Doc. 79/273, *Marian Mfg. Co., Inc. v. Brown Brothers Co.*

TRADE-MARK SUITS

Notices under 16 U. S. C. 1116; act of July 5, 1946

T. M. 215,556, Chanel, Inc., Perfume and toilet water; T. M. 233,407, T. M. 422,335, T. M. 510,992, same, Perfume, toilet water, face powder, etc.; T. M. 400,004, T. M. 513,132, same, Soap, D. C., N. D. Ill. (Chicago), Doc. 52c175, *Chanel, Inc. v. Federal Silver Corp.* Injunction Oct. 23, 1952.

T. M. 422,335. (See T. M. 215,556.)

T. M. 510,992. (See T. M. 215,556.)

T. M. 513,132. (See T. M. 215,556.)

T. M. 216,906, Guerlain Perfumery Corp. of New York, Perfumes, D. C., N. D. Ill. (Chicago), Doc. 52c177, *Guerlain, Inc. v. Federal Silver Corp.* Injunction (notice Oct. 23, 1952).

T. M. 518,861, Lady Marlene Brassiere Corp., Brassieres, etc., filed Oct. 21, 1952, D. C., S. D. N. Y., Doc. 70/289, *Lady Marlene Brassiere Corp. v. Norick & Kahn.*

T. M. 233,407. (See T. M. 215,556.)

T. M. 531,474, Loos, Inc., Saline cathartic pharmaceutical preparation, filed Oct. 17, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14617-T, *Loos, Inc. v. Pounds Off Products et al.*

T. M. 400,004. (See T. M. 215,556.)

Vol. 666 • No. 2

Tuesday, January 13, 1953

Price \$35.00 per year

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NOTICES

Classification Bulletin No. 118

Revision 1

Classification Bulletin No. 118, Revision 1 containing classification definitions of Class 214, Material or Article Handling, revised by the Classification Group of the U. S. Patent Office, to include all changes through Order No. 138, dated October 30, 1952, is now available. Copies may be obtained from the Commissioner of Patents at 20¢ each.

Adjudicated Patents

(C. A. Va.) Briggs Patent No. 2,036,393, for a stranded wire structure and process and machine for producing same. Claims 15 to 27 held invalid. *American Chain & Cable Company, Inc. v. Rochester Ropes, Inc.*, 199 F.2d 325; 95 USPQ 115.

(D. C. Calif.) Norman Patent No. 2,540,280, for a forced air furnace, held invalid. *Norman Products Co. v. Sequita Mfg. Co.*, 107 F. Supp. 928; —USPQ—.

(D. C. Ill.) Hopkins Design Patent No. 156,008, for a baggage rack, held invalid. *Hopkins v. Waco Products, Inc. et al.*; *Alan's Sales Engineers, Inc. v. Hopkins*, 107 F. Supp. 885; —USPQ—.

Interference Notice

Surface-Proofing Products, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between an application of Armstrong Paint & Varnish Works of Chicago, Illinois, for registration of a trade-mark, and a Registration No. 362,027 issued in *Surface-Proofing Products, Inc.*, of New York, N. Y., and it appearing from the record of the proceeding that the registrant corporation has been dissolved and that the registered mark in question may have been transferred, notice is hereby given that unless said *Surface-Proofing Products, Inc.*, its assigns or legal representatives, shall enter an appearance thereto within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the *OFFICIAL GAZETTE* for three consecutive weeks. (Date of first publication—Dec. 30, 1952.)

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Disclaimers

2,040,718.—Herbert E. Tautz, Milwaukee, Wis. TRIMMINGS. Patent dated May 12, 1936. Disclaimer filed Dec. 11, 1952, by the assignee, *Rockwell Manufacturing Company*.

Hereby enters this disclaimer to claims 12, 13, 14, and 15 of said patent.

2,160,769.—Walter F. Regenhart, Cleveland, Ohio. CABINET CONSTRUCTION. Patent dated Aug. 15, 1939. Disclaimer filed Dec. 10, 1952, by the inventor; licensee, *Diebold, Incorporated*, consenting.

Hereby enters this disclaimer by restricting claims 3 to 8, inclusive, of said patent as follows:

By restricting both "shoulders" in each of claims 3, 4, and 5 as "arranged substantially parallelly with one another throughout their respective forwardly and rearwardly extending lengths."

By restricting the "tongue" in each of claims 6, 7, and 8 as "extending rearwardly and arranged substantially parallelly, throughout substantially its entire rearwardly extending length, with the inner surface of the wall with which it is arranged to engage."

310

2,408,166.—George G. Bruck, East Orange, N. J. MIXING APPARATUS. Patent dated Apr. 26, 1949. Disclaimer filed Dec. 9, 1952, by the assignee, *Raytheon Manufacturing Company*.

Hereby enters this disclaimer to claims 1, 4, 7, 8, 11, and 13 of said patent.

2,408,160.—George G. Bruck, East Orange, N. J. MIXING APPARATUS. Patent dated Apr. 20, 1949. Disclaimer filed Dec. 15, 1952, by the assignee, *Raytheon Manufacturing Company*.

Hereby enters this disclaimer to claims 5, 9, 15, and 17 of said patent.

2,480,688.—Edwin L. Allen, Cleveland Heights, Ohio. DOOR CONTACT MECHANISM. Patent dated Aug. 30, 1949. Disclaimer filed Dec. 11, 1952, by the assignee, *Rudolph I. Schoellkopf*.

Hereby enters this disclaimer to claims 1 to 15, inclusive, and 17, 19, 20, and 21 of said patent.

2,545,024.—Charles Wilkin Johnstone, Los Alamos, N. Mex. FAST IMPULSE CIRCUITS. Patent dated Mar. 20, 1951. Disclaimer filed Dec. 10, 1952, by the assignee, *United States Atomic Energy Commission*.

Hereby enters this disclaimer to claim 3 of said patent.

2,550,747.—William C. Brown, Lincoln, Mass. ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE. Patent dated June 12, 1951. Disclaimer filed Dec. 4, 1952, by the assignee, *Raytheon Manufacturing Company*.

Hereby enters this disclaimer to claims 1, 2, 5, 6, and 7 of said patent.

2,560,323.—John M. Aufero, Plandome, N. Y. ELECTRIC SOUND HORN. Patent dated July 10, 1951. Disclaimer filed Dec. 12, 1952, by the assignee, *E. A. Laboratories, Inc.*, the inventor consenting.

Hereby enters this disclaimer to claims 1, 2, 3, 4, and 5 of said patent.

2,615,085.—Theodore J. Smulski, Gary, Ind. ELECTRICAL INDICATING SYSTEM. Patent dated Oct. 21, 1952. Disclaimer filed Dec. 11, 1952, by the inventor and the assignee, *The Anderson Company*.

Hereby enters this disclaimer to claims 1 to 7, inclusive, being all the claims of said patent.

Classification Order No. 139

December 3, 1952

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ESTABLISH CLASS

340—COMMUNICATIONS, ELECTRICAL (Divisions 42, 70)

Classification (Class 177), 1910 to 1942 by S. F. SMITH, H. O. CUTTINO, H. MARANA, and G. N. WESTBY
Revised (Class 340) in 1952 by H. K. SAALBACH

Note: The subclass schedule, definitions of the above class, and complete Classification Order No. 139, will appear in Classification Bulletin No. 410.

JANUARY 13, 1953

U. S. PATENT OFFICE

311

ABOLISH CLASS

177—ELECTRIC SIGNALING (Divisions 42, 70)

CLASSES ARRANGED BY DIVISION

In Division 42:

Delete 177—ELECTRIC SIGNALING. All subs. except 352.52, 352.6, 385, 386 (See Div. 70 for other subs.)

Add 340—COMMUNICATIONS, ELECTRICAL. All subs. except 1-6, 8-14, 16 (See Div. 70 for other subs.)

In Division 70:

Delete 177—ELECTRIC SIGNALING. Subs. 352.52, 352.6, 385, 386 (See Div. 42 for other subs.)

Add 340—COMMUNICATIONS, ELECTRICAL. Subs. 1-6, 8-14, 16 (See Div. 42 for other subs.)

CLASSES ARRANGED IN ALPHABETICAL ORDER

Delete 177—ELECTRIC SIGNALING
Subs. 352.52, 352.6, 385, 386... 70
All other subs... 42

Insert 340—COMMUNICATIONS, ELECTRICAL
Subs. 1-6, 8-14, 16... 70
All other subs... 42

CLASSES ARRANGED IN NUMERICAL ORDER

Insert 340—COMMUNICATIONS, ELECTRICAL
Subs. 1-6, 8-14, 16... 70
All other subs... 42

Delete 177—ELECTRIC SIGNALING
Subs. 352.52, 352.6, 385, 386... 70
All other subs... 42

PRINCIPAL DISPOSITION OF PATENTS IN ABOLISHED SUBCLASSES

Abolished Class	Subclass	Disposition Class	Subclass
177	7	340	392
177	8	340	406
177	288	340	398
177	311	340	213+
177	311.5	340	264
177	314	340	276
177	315	340	320
177	316+	340	367+
177	324	340	366+
177	325	340	371
177	326	340	372
177	327	340	328
177	328	340	379
177	329	340	366, various
177	330	340	375
177	331	340	161
177	332	340	159
177	333	340	286, 314, 311
177	334	340	313-
177	335	340	326
177	336	340	19+
177	337	340	315-319, 324, 332
177	338	340	325
177	339	340	286, 330
177	340+	340	155+
177	346+	340	334+
177	351	340	177+
177	352	340	286+
177	352.52	340	1
177	352.6	340	16
177	353	340	147+
177	354	340	291
177	355	340	227+
177	356	340	216
177	357	340	215
177	358	340	218
177	359	340	219
177	360	340	287, 306
177	361	340	295
177	362	340	217
177	363	340	296
177	364	340	293
177	365	340	294
177	366	340	288
177	367	340	292
177	368	340	308
177	369	340	305
177	370	340	301
177	371	340	302
177	372	340	303
177	373	340	297
177	374	340	300
177	375	340	298
177	376	340	299
177	377	340	307
177	378	340	309
177	379	340	304
177	380	340	345+
177	381	340	364
177	382	340	289

PRINCIPAL DISPOSITION OF PATENTS IN ABOLISHED SUBCLASSES

Abolished Class	Subclass	Disposition Class	Subclass
177	383	340	290
177	384	340	323
177	385	340	4
177	386	340	1+, 5+

PRINCIPAL SOURCE OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Subclass	Source Class	Subclass
340	1+	177	352, 386
340	4+	177	352, 385+
340	15+, 18	177	352
340	19+	177	336
340	22+	177	311+, 333+, 324+
340	147+	177	353
340	177+	177	351
340	213, 214	177	311
340	215	177	357
340	216	177	356
340	217	177	362
340	218	177	358
340	219	177	359
340	220-226	177	311, 314
340	227-233	177	311, 314, 355
340	234-285	177	311, 314
340	286	177	333, 339, 352
340	287	177	360
340	288	177	366
340	289	177	382
340	290	177	383
340	291	177	354
340	292	177	367
340	293	177	364
340	294	177	365
340	295	177	361
340	296	177	363
340	297	177	373
340	298	177	375
340	299	177	376
340	300	177	374
340	301	177	370
340	302	177	371
340	303	177	372
340	304	177	379
340	305	177	369
340	306	177	360
340	307	177	377
340	308	177	368
340	309	177	378
340	310	177	352
340	311	177	353
340	312	177	353
340	313+	177	334, 333, 311
340	315-319	177	837
340	320	177	315
340	321-322	177	Various
340	323	177	384
340	324+	177	337+
340	326	177	335
340	327	177	311
340	328	177	Various
340	329	177	329
340	330	177	339
340	331	177	329
340	332	177	337
340	333	177	352
340	334+	177	346+
340	345+	177	380+
340	366	177	324, 329
340	367+	177	316+
340	371	177	325
340	372	177	326
340	373-377	177	329+
340	378+	177	327+
340	380, 381	177	329
340	382-384	177	Various
340	385, 386	177	314, 329
340	387-397	177	Various
340	398	177	288
340	399-405	177	Various
340	406	177	8
340	407	177	329, 324

SUBCLASS SCHEDULE

Class 340, Communications, Electrical

Original Classification (Class 177) 1910 to 1942, by S. F. SMITH, H. O. CUTTINO, H. MARANA, and G. N. WESTBY

Revised (Class 340) 1952 by H. K. SAALBACH

- 1 Echo systems (e. g., sound echo altimeters)
- 2 Transponders (e. g., floating buoy)
- 3 Underwater
- 4 Underwater (e. g., guide cables mark ship channel)

5	Compressional wave	87	Combined (e. g., mounted on)
6	Distance and/or direction (e. g., locating sound by triangulation)	88	With audible signal
7	Geophysical (e. g., underwater seismometer approach)	89	Other light
8	Underwater vibration transducers	90	Portable light (e. g., trouble light)
9	Plural element array (i. e., piston type)	91	Backing light
10	Piezoelectric	92	Head or spot light
11	Magnetostrictive	93	Tail light
12	Transmitters (e. g., underwater spark)	94	Plural indications (e. g., go, stop and slow)
13	Receivers (e. g., carbon microphone)	95	Parking light
14	Diaphragms	96	Radiator cap or hood ornament
15	Compressional wave (e. g., earth tremor responsive)	97	Windshield or window
16	Object detection, distance and/or direction	98	Mirror or reflector
17	Geophysical vibration transducers	99	License plate
18	Well bore (e. g., telemetering in well bore)	100	Fender
19	Elevator	101	Spare tire carrier
20	Dispatching	102	Bumper
21	Position indicators	103	Image projecting signal
22	Traffic and vehicle	104	Distance judging type signal (e. g., "You are too close.")
23	Vehicle sequence or position descriptors (e. g., train arrival order or in airplane attack)	105	Gaseous discharge signal
24	Position plotting	106	Pass or no pass
25	Aircraft (e. g., beacons)	107	Indicia type signal
26	Airport traffic control systems	108	Composite (e. g., -- Go, No Go)
27	Aircraft condition (e. g., stall indicators)	109	Right and left arrow, common stem
28	Obstruction lights	110	Plural (e. g., concurrent auxiliary) indications
29	Nautical (e. g., shoal water alarm, iceberg presence alarm)	111	Three
30	Rudder position	112	Two
31	Actuated by traffic (e. g., by pedestrian or by other vehicle)	113	Blackout
32	Signal (e. g., dashboard light) or transmitter (e. g., push button) in vehicle	114	Marker type (e. g., edge of safety zone, intersection)
33	Signal actuated by another (e. g., emergency) vehicle	115	Vehicle delineation
34	Horn or light pickup	116	At street level (e. g., mushroom)
35	Multiple intersections (e. g., each has traffic light)	117	Embedded or recessed
36	Major artery preferred over minor	118	Globe type
37	With additional time control	119	Supports
38	Traffic detectors	120	Electromagnetically operated mechanical signals
39	One way	121	Wigwag
40	Multiple intersections (e. g., "synchronized" traffic lights)	122	With casing (e. g., normally encased)
41	Time cycling traffic systems	123	Plural (e. g., plural indicators in one casing)
42	Combined or plural (e. g., with one way sign)	124	Window exhibited sign or shutter
43	Time lapse indication	125	Drum
44	With pedestrian signal	126	Sliding
45	Barrier type	127	Pivoted
46	Protection against signal failure (e. g., double filament)	128	Three or more position
47	Railroad type	129	Vertical axis
48	Signalling along train (e. g., via train pipe)	130	Laterally swinging arm
49	Wigwag (e. g., crossing type)	131	Multiple indicator
50	Light beam projecting	132	Locking
51	Parking (e. g., parking lot systems)	133	Revolvable about vertical axis
52	Automatically responsive to condition of vehicle	134	Bicycle type
53	And controlling (e. g., speeding shorts ignition or actuates regulator)	135	Combined (e. g., with vehicle body)
54	Plus manual control (e. g., manual act)	136	Hydraulically operated (e. g., engine suction)
55	Manually controlled direction signal	137	Lazy tongs extended
56	Automatic reset (e. g., predetermined time or distance)	138	Pivoted
57	Thermal	139	Multiple indicators
58	Tire deduction	140	Three or more position
59	Fluor material (e. g., radiator level)	141	Vertical axis
60	Pressure (e. g., oil) or detonation	142	Laterally swinging (e. g., semaphore)
61	Curb contact or collision responsive	143	Three or more position
62	Speed controlled (e. g., loud horn for country, soft for city)	144	Normally encased
63	Theft or burglar	145	Window exhibited sign or shutter
64	Ignition circuit controlled	146	Sliding
65	Vibration responsive	147	Selective (e. g., remote control)
66	Plural signals (e. g., slow, stop, go)	148	Sound or speech responsive (e. g., syllable control)
67	Direction and stop signal	149	Intelligence comparison (e. g., desired vs. allowable credit, stolen vs. known car description)
68	Taxi	150	Telemetering (e. g., plural transmitters selectively connected to line)
69	Brake position	151	Information on demand type
70	Backing signal	152	Information on demand (e. g., stock quotation)
71	Stop or slow	153	Space reservation
72	Flashing	154	Stock quotation
73	Direction	155	Party line (e. g., plural carrier receivers on same channel)
74	Signal light systems	156	Frequency selection (e. g., reed)
75	With audible signal	157	Step by step impulse
76	With vehicle lights (e. g., headlight blinking)	158	Amplitude and/or polarity controlled
77	Gaseous discharge	159	Selector or indicator per se
78	Interlocks (e. g., prevents contradictory signal)	160	Amplitude and/or polarity controlled
79	With dashboard telltales	161	Selector or indicator per se
80	Pilot lights	162	Phonograph or radio control (e. g., "Juke" box)
81	Flashing signal lights	163	Plural devices controlled at receiver (e. g., power substation control)
82	Three or more lights flash sequentially (e. g., growing arrow)	164	Alarm
83	Two alternately flashing lights	165	Electron beam type
84	Signal lights	166	Matrix type (i. e., crossed gratings with selectively energized conductors)
85	With telltale	167	Pulse responsive
86	Illumination of driver's hand during hand signalling	168	Counting (e. g., relay chain)
		169	Amplitude responsive
		170	Phase responsive
		171	Frequency responsive
		172	Amplitude responsive
		173	With storage of signals (e. g., condenser)
		174	Magnetic storage

175	Having discharge tube	253	Current characteristic actuated (e. g., line fault)
176	Having rectifier (e. g., for sneak circuit prevention)	254	Electric fence (e. g., grounding)
177	Continuously variable indication (e. g., telemetering)	255	Ground detectors
178	With calculation	256	Breaking of normally closed circuit
179	Plural transmitters (e. g., ratio)	257	No subclass
180	Combined	258	Approach
181	Alarms and annunciators	259	Web, sheet or work feed
182	Plural transmitters	260	Motion picture film
183	Time division of line	261	Vibration responsive
184	With plural receiver	262	Acceleration or deceleration
185	Plural receivers	263	Velocity
186	With feedback (e. g., reflex along line)	264	Centrifugal governor responsive
187	Follow up (e. g., circuit rebalanced when upset)	265	Geometrical gage (e. g., shape of foot)
188	Plural circuits, each for particular magnitude	266	Position of pointer on a scale (e. g., meter pointer)
189	Via radiant energy beam (e. g., infra red)	267	Machine
190	Photoelectric cell pickup	268	Synchronism between mechanisms
191	With piezoelectric transmitter	269	Bearing
192	With dynamo transmitter	270	Lubrication
193	With battery type transmitter (e. g., electrodes variably immersed)	271	Shaft rotation or direction
194	With heater type transmitter (e. g., ball clamps and releases pointer)	272	Weight operated (e. g., treadle, stair tread)
195	With inductor transmitter	273	Screens, gratings, curtains, walls, doors or roofs
196	Mutual inductance	274	Door, knob, lock, window or drawer
197	Flux valve type (e. g., with movable saturating magnet)	275	Closed or open? (e. g., trailer hitch)
198	Self synchronous type	276	Burglar
199	Differential type	277	Hold up type (e. g., raising of teller's arm above head)
200	With capacitor transmitter	278	Seat (e. g., occupancy)
201	Condition responsive	279	Of human or animal (e. g., sleep inhibiting alarm, signalling from burial grave)
202	Radio dial	280	Article placement or removal
203	Via pulse	281	Mail box
204	Permutation code	282	Position
205	Increase pulses plus decrease pulses (e. g., over separate channels)	283	Portable type
206	Pulse trains with length and/or spacing varied	284	Using alternating current
207	Via phase or frequency modulation	285	Using Wheatstone bridge
208	Transmitter per se	286	Systems
209	Via amplitude modulation	287	Signal box type (e. g., to call messenger, plural fire alarm boxes)
210	With supply voltage regulation or compensation	288	Combined (e. g., alarm circuit over power line)
211	With repeater or amplifier	289	With fire extinguisher (e. g., CO ₂)
212	With discharge device	290	Engine house apparatus controlling (e. g., releases horses, starts motor)
213	Automatically responsive to condition (e. g., alarms)	291	Repeaters (e. g., from central to plural fire houses or to siren)
214	With means to test automatically responsive system (e. g., simulated condition)	292	Circuit maintenance (e. g., fault alarm, faulty circuit substitution)
215	Signal box type (e. g., fire alarm box with automatic trip)	293	Variable signal (e. g., police and fire, first and third alarm)
216	Combined (e. g., alarm circuit over power line or plural)	294	Dial selector for variable signal
217	Non-interfering (i. e., second box cannot break in while first transmits)	295	Non-interfering (prevents break-in by another box during transmission)
218	Separate local thermal circuit actuates box	296	Key obstruction type
219	Fusible motor release	297	With signal at box (e. g., preliminary signal to combat false alarms)
220	Combined	298	Answer back signal acknowledges transmitted signal
221	With camera or phonograph	299	Simultaneous (e. g., actuated by transmitted signal)
222	With control for condition (e. g., if alarm is ignored)	300	Lamp at box (e. g., to call patrolman)
223	To sequence of operation of plural devices (e. g., circuit breakers)	301	Portable box actuating key (e. g., key must be released by signal from central)
224	Via radio link	302	Frangible guard or protector for key
225	With simulation or mimic type indicator (e. g., trouble light at appropriate point of model)	303	Frangible element must be broken to send signal
226	Machine with answer-back signal to show machine's response to control	304	False alarm combating (e. g., detection devices)
227	Temperature, flame or radiant energy	305	Local circuit to actuate box
228	Flame or radiant energy (e. g., light out)	306	Watchman's local circuit
229	Fluid pressure type detector	307	Transmitters
230	Incubator	308	Controlled by door of signal box
231	Bearing	309	With make and break wheel
232	Tensioned cord detector	310	Combined (e. g., signal over power line)
233	Using Wheatstone bridge	311	Paging
234	Ice formation	312	Paging and reporting location
235	Moisture or humidity	313	Answer back
236	Fluent or pulverized material (e. g., specific gravity)	314	Non-correspondence alarm (e. g., if acknowledgment is incorrect)
237	Gas or smoke	315	Selayn type
238	Valve	316	Rebalancing at receiver
239	Flow	317	Automatic rebalancing
240	Pressure operated (e. g., hollow jail bars release pressure when sawn)	318	Synchronous distributor at transmitter and receiver
241	Wind pressure	319	Plural electromagnets or plural motors receiver
242	Leak	320	Via fluid conduit (e. g., fire hose)
243	Pipe stoppage	321	Portable self contained (e. g., movie usher's signalling flashlight)
244	Level e. g., drip pan full alarm	322	Self cancelling after fixed time
245	Overflow alarm (e. g., bathtub)	323	Game reporting
246	Bin	324	More than two indications (i. e., multiple variation)
247	Ullage or sounding type		Step by step
248	Electrical apparatus condition responsive	325	Plural (e. g., concurrent, auxiliary) single indications (e. g., light flashes when bell rings)
249	Battery condition	326	With sound signal cut-off
250	Fuse		
251	Electric light (e. g., burn-out responsive)		
252	Pilot light indicator		

- 328 Audible signals (e. g., bell rings softly first and then loudly)
 329 Intermittent
 330 In and out indicators (e. g., door bell button flashes "out" sign)
 331 Periodic or flashing
 332 Signal light systems
 333 With specific power supply (e. g., power substitution)
 334 Advertising display light systems
 335 Light intensity varying
 336 Monogram (i. e., same character fragments make different letters, etc.)
 337 Keyboard controlled (e. g., writing stylus type)
 338 Cam controlled switch
 339 Pattern controlled switch
 340 Flashers
 341 Plural circuits flash
 342 Thermal switch
 343 Space discharge tube
 344 Negative glow
 345 Pulse code transmitters
 346 Plural transmitters (e. g., non-interfering)
 347 With translating into different code (e. g., rapid to slow, decimal to binary)
 348 Permutation pulse type with adjustable permutations
 349 Plural types of pulses (e. g., polarity and length, frequency and amplitude)
 350 Plural channels (e. g., one for each pulse of code)
 351 Carrier frequency permutation
 352 Polarity permutation
 353 Length permutation
 354 Pulse presence or absence in equal length code (e. g., Baudot)
 355 Amplitude permutation
 356 Code repeated (e. g., for set number of times)
 357 Plural code wheels on one shaft
 358 Interchangeable
 359 Numerical pulse type
 360 Plural digits whose sum is constant
 361 Common digit counter (e. g., for units and tens)
 362 Relay chain counter
 363 Rotary counter
 364 With rotary distributor
 365 Desired code selecting devices (e. g., keyboard, plugboard)
 366 Visual (e. g., signals)
 367 Cathode ray and associated apparatus (e. g., cabinets, supports)
- 368 With scale or indicia
 369 With optical element (e. g., window, lens or hood)
 370 Mirror (e. g., "Schmidt" or semi-transparent)
 371 Concurrent or auxiliary indications (e. g., light flashes when bell rings)
 372 Plural (e. g., grouped drop annunciators with single restorer)
 373 Moving
 374 No subclass
 375 Circuit closing type
 376 Electromagnet releases latch (e. g., drop annunciator)
 377 Self cancelling after fixed time
 378 More than two indications (i. e., multiple variation)
 379 Step by step type
 380 With light piping (e. g., "Lucite")
 381 Switch board or panel type (e. g., bullseyes)
 382 False signal prevention (e. g., anti-sunlight)
 383 Signal lenses
 384 Audible (e. g., simulated noise in trainers)
 385 Explosive
 386 Successive
 387 Weatherproofing
 388 Diaphragm (e. g., horn)
 389 Phonograph type
 390 Rotary actuator
 391 Supports
 392 Percussion type sound producers (e. g., signal chimes)
 393 Combined or plural (e. g., manual and electric, bell and buzzer)
 394 With unitary battery
 395 Suspended (e. g., locomotive bell)
 396 Gong encases striking mechanism
 397 Polarized
 398 With linkage between operator and clapper (e. g., church bell)
 399 Rotary clapper
 400 Single stroke for single impulse
 401 Alternating current type
 402 Details (e. g., clapper)
 403 Interrupter details
 404 Pneumatic type sound producer (e. g., horn with electromagnetic valve)
 405 Siren
 406 Whistle
 407 Miscellaneous (e. g., tactual signals)

M. C. ROSA,
Executive Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,523,322. Accelerated-Weathering Device. Patented Sept. 26, 1950. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Device for simulating tropical climatic conditions as regards temperature, humidity, and light is suitable for testing samples of textiles, painted test specimens, other coating compositions, phosphors, and the like. Preconditioned air from an air-conditioning chamber is delivered by a blower into an exposure chamber across the top of a rotating turntable on which test specimens are exposed and the air returned to the air conditioner. An ultra-violet light generator of any well known type may be adjustably lowered over a self-sealing glass top of the exposure chamber to pass a substantial amount of ultra-violet radiation into the chamber. The air conditioner includes an electric immersion type heater immersed in water in a reservoir, a mechanical generator for making foggy air from the heated water, and a trap for removing excess water from the foggy air. Suitable temperature and humidity controls are provided to control the condition of the air according to pre-selected standards. (Co-owner) M. Paul Ornstein, 232 Klee Ave., Dayton 3, Ohio. Group 35—52—65—84. Reg. No. 50,178.

Pat. 2,566,219. Maple Sap Float Gauge. Patented Aug. 28, 1951. Adjustable maple sap float gauge to be attached to a sap evaporator is adapted to receive syrup and dispense the same only when it has boiled down to a predetermined density according to the setting of the gauge. A gauge tank to receive the syrup contains a hollow float disposed between guide rods extending upwardly from the bottom of the tank. A perforated vertical sleeve supported by the guide rods surrounds the upper end of a float rod which is secured to the float. Pin projections on the rod extend into a vertical slot in the sleeve to prevent the rod from turning, and abutments of the sleeve engage the rod to keep it centered. A clamp adjustably secured to the upper graduated end of the rod has an arm carrying a depending flexible strap. A plug valve secured to the lower end of the strap is normally seated in the upper end of an upstanding discharge pipe extending through the bottom of the tank. (Owner) Auguste Legros, St. Jean Port Joli, Lisle, Quebec, Canada. Groups 20—61; 35—22—51. Reg. No. 50,179.

Pat. 2,542,581. Hollow Glass Block Wall. Patented Feb. 20, 1951. This invention relates to a building wall of hollow glass blocks. The blocks are rectangular and have an open-ended internal way extending therethrough to register with corresponding ways in adjacent blocks. The blocks are assembled with mortar, cement, etc., in the usual manner. As the blocks are built up, they are aligned so the ways form a continuous channel through each course of blocks to removably receive a decorative insert. Removable gaskets may be placed in the ways as the blocks are assembled to prevent the mortar from flowing into the ways. (Owner) Robert Z. Schreffler, 71 Standing Stone Ave., Huntingdon, Pa. Group 32—29—71. Reg. No. 50,180.

Pat. 2,580,803. Phase Measuring Device. Patented Jan. 1, 1952. System for measuring the difference in phase between two signals of like frequency. Two signal sources to be compared are connected by a high impedance potentiometer. One signal source may be fed simultaneously through the two paths leading to a phase indicator, providing a zero calibration. By shifting the potentiometer the signals from the two sources may be fed each through a separate path to the phase indicator. The phase difference of the original signals is given by the difference of the readings on the indicator with the potentiometer in the two extreme positions divided by the multiplying factor used in the frequency multiplier. (Owner) Northern Electric Company, Limited, P. O. Box 6124, Montreal, Quebec, Canada. Group 36—19. Reg. No. 50,181.

Pat. 2,601,360. Automatic Spatula. Patented June 24, 1952. Spatula for automatically turning pancakes, hamburgers, etc. A blade has a narrow stationary part and a wide movable part hingedly connected. A rod extending rearwardly from stationary part has an offset portion and a loop with a shank portion which is attached to a handle. A stem extending rearwardly from movable part has a pivoted arm extending upwardly through the loop with a finger piece on top of arm. A spring on arm is interposed between loop and finger piece to normally urge the movable part into horizontal position. In use, for example, a hamburger is raised by the blade and the finger piece depressed to swing the movable part of blade downwardly. This action leaves the hamburger unsupported, and as it falls to the griddle it automatically flips over. (Owner) Roy S. Blackshear, P. O. Box 1118, Hilo, Hawaii, T. H. Groups 33—51; 39—81; 40. Reg. No. 50,182.

Pat. 2,554,015. Clamp for Bars, Rods, and the Like. Patented May 22, 1951. Clamp for connecting the overlapped ends of a pair of rods, bars, cables, etc. A flat thin rigid yoke loosely encircles the overlapped ends, and a wedge effects the binding and alignment. The yoke has an elongated aperture to receive the overlapped ends and a wedge for frictional driven engagement between one bar and one end of the aperture. The wedge has a tapered groove on inner face which conforms to the periphery of one of the bars. Smaller end of aperture conforms to periphery of other bar. The larger end of aperture conforms to the outer longitudinal face of wedge for tilting yoke into non-perpendicular relation to the bars and causes the corner bounding the aperture to bite into the bar. (Owner) Jerome P. Costello, 3527 Bevis Ave., Cincinnati 7, Ohio. Group 35—60. Reg. No. 50,183.

Pat. 2,433,262. Woman's Garter. Patented Dec. 23, 1947. Garter is designed to prevent movement of the muscles of the wearer's leg from causing lateral deflection of the seam of the supported stocking. Garter consists of inner and outer closed bands of similar construction for embracing the leg at different places. A posterior slide fixture, through which the bands are threaded, normally non-slidably connects the bands to each other so that the runs of each band are of unequal length. The ends of each band are adjustably connected to a hexagonal ring from which a hose supporter of conventional type depends. When the garter is applied to the thigh of the wearer, the posterior slide fixture is placed centrally above the hose seam so that the hose supporters will occupy medial and outer positions on the thigh. (Owner) Florence Ida Cook, 3601 23d Ave., S. W., Seattle 6, Wash. Group 23—84. Reg. No. 50,184.

Pat. 2,504,321. Nut Holder. Patented Apr. 29, 1952. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Tool for holding and starting a nut on a screw in a relatively narrow region, such as a narrow recess, is particularly suitable for use when servicing radio equipment and the like. A pair of springy elongated legs mounted within a tube protrude out of the lower end of the tube, and are provided with outwardly directed pointed toes, which are urged radially outwardly by the springiness of the legs to clamp a nut internally by the threads. A rod within the tube to which the legs are attached has a threaded upper end which extends out of the upper end of the tube through a collar. The collar restrains an operating nut on the threaded end of the rod against axial movement but permits it to be freely rotated to axially adjust the legs within the tube so that the extent of protrusion of the legs out of the lower end of the tube may be varied to vary the distance between the toes to accommodate nuts of different sizes. (Co-owner) Edmund H. Leftwich, 168 Thomas Ave., Oxnard, Calif. Group 33—52. Reg. No. 50,185.

The General Electric Company offers the following patents for non-exclusive licensing on reasonable terms to domestic manufacturers.

Applications for licenses may be addressed to the Manager, Patent Services Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,584,765. Distance Relay Protective System. Feb. 5, 1952. Relates to a distance relay protective system for protecting electric power systems against both ground and phase fault conditions. Group 36—19. Reg. No. 50,186.

Pat. 2,592,322. Rocket Motor Pumped Supersonic Wind Tunnel. Apr. 8, 1952. Supersonic wind tunnel with a rocket motor for inducing air flow through the tunnel. Groups 35—85; 37—22. Reg. No. 50,187.

Pat. 2,593,096. Nozzle. Apr. 15, 1952. Nozzle for spraying liquid in a plurality of solid, discrete, concentric sheets. Groups 33—59—61; 35—61. Reg. No. 50,188.

Pat. 2,596,118. Recording Device. May 13, 1952. Recorder employing an electrical current pulse or "spark" as the recording medium. Group 36—81. Reg. No. 50,189.

Pat. 2,596,690. Preparation of Boron Compounds. May 13, 1952. Method of preparing boron hydrides comprises bringing into contact at reaction temperature a boron halide, hydrogen, and an alkaline-earth metal, and separating the boron hydrides from the other products formed by the reaction. Group 28—89. Reg. No. 50,190.

Pat. 2,597,590. Combined Grading and Corona Shield. May 20, 1952. Combined grading and corona shield effects dash-over protection and improved voltage distribution on the interconnected insulator units and at the same time provides adequate corona suppression on line hardware. Group 36—19. Reg. No. 50,191.

Pat. 2,598,399. Electric Ballast. May 27, 1952. Relates to ballasts of the reactance transformer type for fluorescent lamps which operate with leading current. Group 36—51. Reg. No. 50,192.

Pat. 2,598,460. Insulator Cap. May 27, 1952. Metal cap for suspension type insulator units is formed from three separate pressed steel parts which are held together as a unitary structure by the interaction of the parts. Group 36—11. Reg. No. 50,193.

Pat. 2,598,476. Bearing Assembly. May 27, 1952. Bearing assembly wherein the journal surface of the shaft is provided with grooves for pumping lubricant along the journal surface in one direction regardless of the direction of rotation of the shaft. Group 35—86. Reg. No. 50,194.

Pat. 2,599,228. Electronic Control Circuit. June 3, 1952. Electronic control circuit for protecting circuits against overload may be readily adjusted to accommodate high as well as low current-consuming loads while maintaining high sensitivity of operation. Group 36—19. Reg. No. 50,195.

Pat. 2,599,271. Audio-Frequency Amplifier. June 3, 1952. Amplifier particularly suitable for the amplification of single frequency alternating currents in the audio frequency range. Group 36—19. Reg. No. 50,196.

Pat. 2,599,275. Folding Electric Food Mixer. June 3, 1952. Electric food mixer in which the standard and power unit may be folded down on top of the base and positioned within the confines of the base to be covered by a suitable cover resting on the base. Group 36—21. Reg. No. 50,197.

Pat. 2,599,276. Wick Hygrometer. June 3, 1952. Hygrometer includes an arrangement for stabilizing the temperature sensed by the temperature-sensing element. Group 36—13. Reg. No. 50,198.

Pat. 2,599,307. Motor and Pump Assembly. June 3, 1952. Assembly wherein the open end of the pump chamber may be secured directly to the under side wall of a tank of a clothes- or dish-washing machine, for example, from which liquid is to be pumped so that the tank wall will provide a cover plate for the pump chamber with the drainage opening in the wall serving as a liquid inlet for the pump. Group 35—61. Reg. No. 50,199.

The following 7 patents are available for non-exclusive licensing in the field of radio purposes on reasonable terms to domestic manufacturers. Group 36—61.

Pat. 2,598,370. Balanced Phase Detector. May 27, 1952. Reg. No. 50,200.

Pat. 2,598,478. Degenerative Feedback Radio Amplifying System. May 27, 1952. Reg. No. 50,201.

Pat. 2,599,266. Electronic Switching Circuit. June 3, 1952. Reg. No. 50,202.

Pat. 2,602,140. Coincidence Timing System. July 1, 1952. Reg. No. 50,203.

Pat. 2,602,899. Introduction of Specimens into Discharge Vessels. July 8, 1952. Reg. No. 50,204.

Pat. 2,602,922. Sensitivity Time Control. July 8, 1952. Reg. No. 50,205.

Pat. 2,606,292. Method and Apparatus for Combined Electron Microscope and Diffraction. Aug. 5, 1952. Reg. No. 50,206.

United States Government Owned Patent

The following patent is the property of the United States of America as represented by the Secretary of the Interior, by virtue of an assignment from the inventor, Paul V. Mullins. Non-exclusive and royalty-free licenses are available. Applications for licenses should be directed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,595,284. Method and Apparatus for Treatment of Gaseous Hydrocarbon Mixtures. Patented May 6, 1952. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Method and apparatus for separating the constituents of gaseous hydrocarbon mixtures by liquefaction and rectification are particularly suitable for removing nitrogen from certain natural gas compositions of high nitrogen content. The process may be carried out by passing the natural gaseous mixture counter-current to cold separated constituents in order to bring about liquefaction of the major constituents and the separation of substantially pure nitrogen, followed by evaporation of the residual liquid and recovery of the gases by counter-current heat exchange with relatively warm gas fed to the process. Groups 29—11; 35—89. Reg. No. 50,207.

Dedicated Patents

The Singer Manufacturing Company, 107 Trumbull St., Elizabeth, N. J., has dedicated the following patent to the People of the United States of America, for free use.

Pat. 2,448,495. Method of Joining and Finishing the Seam-Margin Edges of Fabric Plies. Patented Aug. 31, 1948. Method of forming an edge-finished and margin-opened joining seam for fabric plies of seat covers and the like, whereby the number of operations is reduced, the joining seam is strengthened, and the ironing of the opened end seam-margins is greatly facilitated. A first fabric-ply having a raw edge bound by a stitched overedge seam is superimposed upon a second fabric-ply and the bound end folded back so that the folded edge thus formed is spaced inwardly from the raw edge of the second ply a distance substantially equal to the width of the folded back portion of the first ply. The fold edge is then secured to the second ply by a line of stitches disposed close to the fold edge, and the raw edge of the second ply simultaneously bound by a stitched overedge seam. Groups 22—93; 23; 35—83.

Union Special Machine Company, 400 North Franklin St., Chicago, Ill., has dedicated the following patent to the People of the United States of America, for free use.

Pat. 2,167,371. Seam for Fabrics. Patented July 25, 1939. Seam for joining two pieces of fabric by stitching through three thicknesses of fabric, covers and protects the stitching, will not open and deliver all of the strain upon the stitches when pull is exerted upon the joined pieces, and will remain flat without pressing. One piece with one edge folded back upon itself is placed on a bottom piece with the folded edge spaced inwardly from the edge of the bottom piece, and the two pieces joined by a row of stitches disposed close to the fold edge. The body portion of the bottom sheet is then awung outwardly from under the top piece and folded about the stitching to extend from the top sheet in substantial parallelism therewith. Groups 23; 35—83.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 13, 1953

[Vol. 666. No. 21]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 514,777. George Sheldon (Walsall) Limited, Walsall, Staffordshire, England. Filed Dec. 24, 1946.

ELDONIAN

For Dog Collars and Leashes, Bridles, Leather Straps, Suit Cases and Trunks, Women's Handbags, Document Cases, Fitted Toilet Cases, Dressing Cases, Leather Box for Stubs for Travel Use, Billfolds, Wallets, Key Cases Made of Leather, Leather Cases for Travel Use and Leather Cases for Brushes for Travel Use.

Claims use since January 1921.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.6.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 543,075. Armour and Company, Chicago, Ill. Filed Dec. 3, 1947. (Sec. 2f.)

SCUFFTIP

For Upper Leather.
Claims use since 1941.

Ser. No. 620,251. American Sponge & Chamols Company, Inc., New York, N. Y. Filed Oct. 20, 1951.

Tuf-tan

No claim is made to the word "Tan" apart from the mark as shown.
For Chamols Leather.
Claims use since Jan. 22, 1951.

Ser. No. 624,361. Seaboard Seed Company, Philadelphia, Pa. Filed Jan. 31, 1952.

Favorite

Applicant claims ownership of Registration No. 320,565. For Lawn Seed.
Claims use since 1936.

Ser. No. 625,328. Berry Seed Company, Clarinda, Iowa. Filed Feb. 21, 1952.

KING COLE

For Seed Oats.
Claims use since Sept. 11, 1951.

Ser. No. 626,511. Arthur P. Howard, Montebello, Calif. Filed Mar. 15, 1952.

Personality Roses

The word "Roses" is disclaimed apart from the mark as shown in the drawing.
For Rose Plants.
Claims use since Jan. 3, 1952.

Ser. No. 627,447. Integrated Mica Corporation, Woodmere, N. Y. Filed Apr. 2, 1952.

ΣM

For Impregnated and Unimpregnated Sheets Integrated From Mica Flakes.
Claims use since Jan. 28, 1952.

Ser. No. 629,545. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

ASTERS ON PARADE

Applicant disclaims the word "Asters" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Dec. 26, 1945.

Ser. No. 629,546. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

Larkspurs on Parade

Applicant disclaims the word "Larkspurs" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Apr. 9, 1952.

Ser. No. 629,548. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

MARIGOLDS ON PARADE

Applicant disclaims the word "Marigolds" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Dec. 26, 1939.

Ser. No. 629,549. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

PETUNIAS ON PARADE

Applicant disclaims the word "Petunias" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Dec. 26, 1939.

Ser. No. 629,550. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

Snapdragons on Parade

Applicant disclaims the word "Snapdragons" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Apr. 9, 1952.

Ser. No. 629,551. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

THE FLOWER BATTALION

Applicant disclaims the word "Flower" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Apr. 9, 1952.

Ser. No. 629,552. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

THE FLOWER PARADE

Applicant disclaims the word "Flower" apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Apr. 9, 1952.

Ser. No. 629,553. W. Atlee Burpee Co., Philadelphia, Pa. Filed May 12, 1952.

ZINNIAS ON PARADE

Applicant disclaims the word "Zinnias" separate and apart from the mark itself for the purpose of registering the present mark, but without disclaiming any of applicant's common law or other rights therein.

For Flower Seeds.
Claims use since Dec. 26, 1939.

Ser. No. 630,713. A. W. Krieger, doing business as Krieger's Wholesale Nursery, Bridgman, Mich. Filed June 4, 1952.



For Fruit Plants.
Claims use since 1950.

Ser. No. 630,929. Ferry-Morse Seed Co., Mountain View, Calif. Filed June 9, 1952.

PROFESSIONAL

For Lawn Seed.
Claims use since April 1948.

Ser. No. 631,236. Donovan Industries, Inc., Westport and Saugatuck, Conn. Filed June 16, 1952.

LIGHT FOOT

For Leather.
Claims use since June 10, 1952.

Ser. No. 631,304. Peroia-Rock Products, Inc., Baltimore, Md. Filed June 17, 1952.

MONO-FINISH

For Aggregate Material in Powdered or Granular Form for Use as a Filler, Body or Other Purpose in the Industrial Arts.

Claims use since May 14, 1952.

Ser. No. 631,305. Peroia-Rock Products, Inc., Baltimore, Md. Filed June 17, 1952.

Perma-Rock

For Aggregate Material in Powdered or Granular Form for Use as a Filler, Body or Other Purpose in the Industrial Arts.

Claims use since May 14, 1952.

Ser. No. 631,443. Stark Bro's Nurseries and Orchards Co., Louisiana, Mo. Filed June 19, 1952.

STARKING

For Fruit Trees and Plants.
Claims use since on or about Nov. 5, 1925.

CLASS 2 RECEPTACLES

Ser. No. 631,409. Fruit Products Corporation, New York, N. Y. Filed June 19, 1952.

I.C.N.

For Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper or Metal Foil.
Claims use since the 21st day of May 1952.

Ser. No. 631,410. Fruit Products Corporation, New York, N. Y. Filed June 19, 1952.

BANANZA

Applicant claims ownership of Registrations Nos. 503,633 and 540,212.

For Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, and Metal Foil.
Claims use since the 13th day of May 1952.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 631,257. St. Thomas Inc., Gloversville, N. Y. Filed June 16, 1952.

HIALEAH

For Combined Billfolds and Purses.
Claims use since Jan. 15, 1952.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 623,290. Morris L. Tanner, doing business as Tanagerize Polish Co., Chicago, Ill. Filed Jan. 7, 1952.

NAM-O-LIZE

For Liquid Polish for Use on Automobiles and Similar Lacquered Surfaces.
Claims use since June 1950.

Ser. No. 632,776. Dupli-Color Products Co. Inc., Chicago, Ill. Filed July 19, 1952.

DUPLI-COLOR

No registration rights are claimed for the word "Color" apart from the mark shown in the drawing.
For Automobile Polish.
Claims use since Dec. 29, 1947.

CLASS 5

ADHESIVES

Ser. No. 629,003. The Flintkote Company, New York, N. Y. Filed May 1, 1952.

FLINTBOND

For Bituminous Type Adhesive for Laminate Paper Board.
Claims use since during December 1944.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 580,160. A. De St. Dalmas & Company Limited, Leicester, England. Filed May 26, 1949. (Classified in Class 18.)

Applicant claims ownership of British Registration No. 610,667, dated July 29, 1942, and United States Registration No. 443,702.

See this serial number in Class 18 for goods and mark.

Ser. No. 611,521. The Huron Milling Company, Harbor Beach, Mich. Filed Mar. 19, 1951. (Sec. 2f.)

HURON

For Starch Products Including Starch Pastes, Paper Sizing, Modified Starches, Laundry Starch, Starches for Other Industrial Use.

Claims use since January 1925.

Ser. No. 611,820. Ultra Chemical Works Inc., Paterson, N. J. Filed Mar. 26, 1951. (Classified in Class 51.) See this serial number in Class 51 for goods and mark. Claims use since January 1929.

Ser. No. 613,451. Hobb-Swetnam Company, Wichita Falls, Tex. Filed May 3, 1951. (Sec. 2f.)

SAFE-WAY

For Hydraulic Brake Fluid.
Claims use since May 1, 1938.

Ser. No. 615,936. Kay Electric Co., Inc., Brooklyn, N. Y. Filed June 30, 1951.

Secto-Aire

No claim is made to the use of the word "Aire" apart from the mark shown.

For Insecticide the Active Ingredients of Which Are Gamma Isomer of Benzene Hexachloride From Lindane. Claims use since May 10, 1951.

Ser. No. 616,415. The Dow Chemical Company, Midland, Mich. Filed July 13, 1951.

EB-7

For Fumigant.
Claims use since June 19, 1951.

Ser. No. 616,416. The Dow Chemical Company, Midland, Mich. Filed July 13, 1951.

EB-20

For Fumigant.
Claims use since June 19, 1951.

Ser. No. 617,884. Mona Industries, Inc., Paterson, N. J. Filed Aug. 20, 1951.

MONA



The word "Products" is hereby disclaimed apart from the trade-mark.

For Substantive Antifume Agent for Acetates; Cation Active Softener for Rayons and Woolens, With Improved Light-Fastness and Decreased Chlorine Detention Characteristics; Cation Active Pigment Duller and Softener for Rayon, Acetate, and Nylon Piece Goods; Water Dispersible Wax for Weighting, Sizing, and Waterproofing of Textiles in Various Concentrations; Oil Finish for Woolen, Worsted, and Hair Yarns, in Skein Form Applied Directly in the Hot Dye Bath; Trough Conditioning Agent for Yarn Winder, Combining Molature Restoration, Softening, Lubrication, Bacteria and Mildew Inhibition in One Single Application; Mercerizing Penetrants for Caustic Solutions Ranging From 40° C. to 62° Twaddle (24° to 34° Baumé) According to Customer's Requirements; Yarn Conditioning Agents.

Claims use since July 14, 1951.

Ser. No. 618,353. Gregory & Falk, San Francisco, Calif. Filed Sept. 4, 1951.

PLACO

For Powders for Sensitized Surface Coatings for Lithographic Plates.

Claims use since June 14, 1948.

Ser. No. 618,944. Snyder Chemical Corporation, Bethel, Conn. Filed Sept. 18, 1951.

SYNSIZE

For Liquid Urea-Formaldehyde Resins.
Claims use since Mar. 21, 1949.

Ser. No. 619,594. Alrose Chemical Company, Cranston, R. I. Filed Oct. 5, 1951.



Applicant claims ownership of Registrations Nos. 378,512, 378,513, and others.

For Surface Active Chemical Compositions for Use as Wetting, Re-Wetting, Emulsifying, Dispersing Agents, Penetrants, Softeners, Spacers, Solubilizing Agents, De-Emulsifiers, Foams, De-Foams, Thickeners; Germicides for Household and Industrial Purposes; Anti-Corrosion Agents; Anti-Dusting Compounds for Alkalis and Other Chemicals; Water Repellents; Cation Exchange Materials; and Synthetic Wax, for Increasing Water Resistance and Hardness of Other Waxes.

Claims use since 1947.

Ser. No. 619,779. Aircraft-Marine Products Inc., Harrisburg, Pa. Filed Oct. 10, 1951.

AMPOLEX

For Molding Powder Composed of Synthetic Resin and a Refractory Filler.

Claims use since Aug. 27, 1951.

Ser. No. 619,907. Jacques Wolf & Co., Clifton, N. J. Filed Oct. 11, 1951.

AMPROZYME

For Homogeneous Blend of Amylolytic and Proteolytic Enzymes Together With Activating and Buffer Salts Which is Used Commercially as a Textile Dyeing Agent, Starch Solubilizing Agent, Protein Digester.

Claims use since July 13, 1949.

Ser. No. 621,440. The Baker Castor Oil Company, Jersey City, N. J. Filed Nov. 20, 1951. (Sec. 2f.)

BAKER'S

For Castor Oil, Oxidized Castor Oil, Polymerized Castor Oil, Oxidized Soybean Oil, Oxidized Linseed Oil, Oxidized Rapeseed Oil, Dehydrated Castor Oil, Oxidized Dehydrated Castor Oil, Hydrogenated Castor Oil, Acetylated Castor Oil, Aceto Hydroxystearic Acid Glycerides, Isomerized Linseed Oil, Ricinoleic Acid, Castor Oil Fatty Acids, Dehydrated Castor Oil Fatty Acids, Isomerized Linseed Oil Fatty Acids, Acetylated Ricinoleic Acid, Hydroxystearic Acid, Undecylenic Acid, Undecylic Acid, Heptanoic Acid, Aliphatic Alcohol Esters of Ricinoleic Acid, Aliphatic Alcohol Esters of Acetylated Ricinoleic Acid, Aliphatic Alcohol Esters of Ricinoleic Acid, Aliphatic Ether Alcohol Esters of Acetylated Ricinoleic Acid, Aliphatic Alcohol Esters of Polymerized Ricinoleic Acid, Aliphatic Alcohol Esters of Acetylated Polymerized Ricinoleic Acid, Aliphatic Alcohol Esters of Dehydrated Castor Oil Fatty Acids, Aliphatic Alcohol Esters of Linseed Oil Fatty Acids, Aliphatic Alcohol Esters of Corn Oil Fatty Acids, Aliphatic Alcohol Esters of Cottonseed Oil Fatty Acids, Aliphatic Alcohol Esters of Soybean Oil Fatty Acids, Aliphatic Alcohol Esters of Hydroxystearic Acid, Aliphatic Ether Alcohol Esters of Hydroxystearic Acid, Aliphatic Alcohol Esters of Acetylated Hydroxystearic Acid, Aliphatic Alcohol Esters of Stearic Acid, Aliphatic Ether Alcohol Esters of Stearic Acid, Aliphatic Alcohol Esters of Undecylenic Acid, Heptyl Acetate, Metal Soaps of Ricinoleic Acid, Amonium Ricinoleate, Metal Soaps of Undecylenic Acid, Heptaldehyde, Heptyl Alcohol, Castor Latex.

Claims use since 1920.

Ser. No. 621,593. Union Carbide and Carbon Corporation, New York, N. Y. Filed Nov. 23, 1951.

Linde

Applicant claims ownership of Registrations Nos. 434,784, 435,600, and 537,030.

For Organosilicon Compositions—Namely, Silanes and Silicones for Use in the Industrial Arts.

Claims use since Nov. 10, 1948.

Ser. No. 621,702. Cardinal Chemical Corporation, Philadelphia, Pa. Filed Nov. 27, 1951.

SECTO-VAP INSECTICIDE

No claim is made in this application to the word "Insecticide" apart from the mark as shown.

For Insecticide.

Claims use since May 4, 1951.

Ser. No. 622,240. Yosemite Chemical Company, San Francisco, Calif. Filed Dec. 7, 1951.

See this serial number in Class 52 for goods and mark. Claims use since Dec. 7, 1947.

Ser. No. 622,765. L. L. Antle & Co., Inc., Atlanta, Ga. Filed Dec. 22, 1951.

WHITATO

No claim is made to the words "Anti-Oxidant." For Chemical for Retarding Oxidation or Discoloration of Peeled and Cut Potatoes.

Claims use since on or about Apr. 15, 1951.

Ser. No. 622,839. Mallinckrodt Chemical Works, St. Louis, Mo. Filed Dec. 26, 1951.

S. L.

For Acid Silice, Acid Tungstic, Ammonium Chloride, Antimony Trioxide, Barium Carbonate, Cadmium Carbonate, Calcium Carbonate, Calcium Fluoride, Calcium Phosphate, Magnesium Carbonate, Magnesium Oxide, Manganese Phosphate, Strontium Chloride, Strontium Phosphate, and Zinc Phosphate.

Claims use since Dec. 17, 1940.

Ser. No. 623,028. Arkansas Company, Inc., Newark, N. J. Filed Dec. 31, 1951. (Sec. 2f.)

HYDRO-PIRUF

Applicant claims ownership of Registration No. 354,983. For Water Repellent for Textile and Leather Materials. Claims use since Dec. 1, 1936.

Ser. No. 623,090. S. Smith and Sons (England) Limited, London, England. Filed Jan. 23, 1952. (Sec. 2f.)

SMITHS

Applicant claims ownership of British Registration No. 654,793, dated Dec. 19, 1946.

For Anti-Freeze Compounds.

Claims use since 1933; and since 1935 in commerce between the United States and Great Britain.

Ser. No. 624,548. R. M. Hollingshead Corporation, Camden, N. J. Filed Feb. 5, 1952.

JUNGLE

For Insecticide.
Claims use since April 1947.

Ser. No. 624,747. The Kilgore Seed Company, Plant City, Fla. Filed Feb. 9, 1952.

KILCOP
"53"

For Fungicide.
Claims use since September 1951.

Ser. No. 624,887. Clarence F. Kempfert, doing business as Kempfert's Veterinary Supply Co., Monroe, Wis. Filed Feb. 13, 1952.

K-RAM

No claim is made to the words "Kills Rats and Mice."
For Ready-to-Use Rat and Mouse Bait Containing Warfarin.
Claims use since Dec. 14, 1951.

Ser. No. 625,147. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952. (Classified in Class 52.)
See this serial number in Class 52 for goods and mark.
Claims use since Jan. 1, 1910.

Ser. No. 625,154. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952. (Classified in Class 52.)
See this serial number in Class 52 for goods and mark.
Claims use since Jan. 1, 1941.

Ser. No. 625,225. Henry Raskin, Detroit, Mich. Filed Feb. 19, 1952. (Classified in Class 51.)
The word "Dog" is disclaimed apart from the mark.
See this serial number in Class 51 for goods and mark.
Claims use since Jan. 25, 1952.

Ser. No. 625,263. Esmond Chemical Company, Inc., Esmond, R. I. Filed Feb. 20, 1952.

ESMOSOL

Applicant claims ownership of Registration No. 547,251.
For Sodium Sulfoxylate Formaldehyde.
Claims use since Sept. 22, 1950.

Ser. No. 625,667. Elraco Engineering Company, Hoboken, N. J. Filed Feb. 28, 1952.

ELRACO

For Chemical Compound Used in Treating Boiler Metal To Inhibit Rust, Scale, and Corrosion.
Claims use since November 1946.

Ser. No. 626,032. Hercules Powder Company, Wilmington, Del. Filed Mar. 6, 1952.

POLYRAD

Applicant claims ownership of Registrations Nos. 398,810 and 538,559.
For Ethylene Oxide-Rosin Amino.
Claims use since Jan. 29, 1952.

Ser. No. 626,722. American Finishing Company, Memphis, Tenn. Filed Mar. 20, 1952. (Sec. 2f.)

LEATHERCOTE

Applicant claims ownership of Registration No. 501,712.
For Finishing Compound Used To Impregnate Fabrics To Simulate Artificial Leather.
Claims use since Sept. 15, 1946.

Ser. No. 627,115. Corn Products Refining Company, New York, N. Y. Filed Mar. 27, 1952.



Applicant claims ownership of Registration No. 507,536.
For Polysaccharide, Glucuronolactone, Sodium Glucuronate, and Potassium Glucuronate.
Claims use since Aug. 13, 1948.

Ser. No. 629,168. Inventa A. G., Lucerne, Switzerland. Filed May 3, 1952.



For Polymers on the Base of Lactam.
Claims use since October 1951; and first used in commerce between foreign nations and the United States in October 1951.

Ser. No. 629,399. United States Testing Co. Inc., Hoboken, N. J. Filed May 8, 1952.

BLENTEX

For Tintorial Agent Applied to Textile Fibers and Fabrics for Identification Thereof During Processing in the Mill and Readily Dischargeable After the Completion of the Processing.
Claims use since Jan. 21, 1952.

Ser. No. 630,490. Koh-I-Noor Pencil Company, Inc., Bloomsbury, N. J. Filed May 29, 1952.

KOH-I-FILM

The applicant disclaims exclusive use to the word "Film" apart from the mark as shown.
For Plastic Material Solution Used in Making Transparencies of Black and White or Colored Prints; Also Used as a Fixative or Permanent Coating.
Claims use since Apr. 25, 1952.

Ser. No. 631,949. Protection Products Mfg. Co., Kalama-zoo, Mich. Filed June 28, 1952.

Boxlife

For Water Repellant for Impregnating Wood.
Claims use since Feb. 19, 1952.

Ser. No. 632,177. Sandoz Chemical Works, Inc., New York, N. Y. Filed July 3, 1952.

RESOCOL

Applicant claims ownership of Registrations Nos. 289,137 and 543,478.
For Chemical Preparations for Stripping Dyestuffs, Especially Vat Dyes.
Claims use since May 1, 1952.

Ser. No. 632,245. The Diversay Corporation, Chicago, Ill. Filed July 8, 1952.

DIVERSIDE

For Insecticide in Liquid Form.
Claims use since June 20, 1952.

Ser. No. 632,336. Undertakers Supply Co., Chicago, Ill. Filed July 9, 1952.

MEDALLION

For Embalming Fluid.
Claims use since Feb. 14, 1952.

Ser. No. 632,700. A. E. Staley Manufacturing Company, Decatur, Ill. Filed July 17, 1952.

STACLIPSE

Applicant claims ownership of Registrations Nos. 219,693, 314,664, and others.
For Starch.
Claims use since Mar. 22, 1952.

Ser. No. 632,772. A-M-R Chemical Co. Inc., Brooklyn, N. Y. Filed July 19, 1952.

MERCURY

For Moth Preventative.
Claims use since January 1946.

Ser. No. 633,714. Cook-Walke Laboratories, Inc., New York, N. Y. Filed Aug. 11, 1952.

Dynaltone

For Antiseptic Preparation Used for Disinfection of Instruments.
Claims use since July 25, 1952.

Ser. No. 559,775. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Sec. 2f.)

ARMSTRONG

For Olazier's Putty: Asphalt for Roofing and for Walks; Sound Deadener Consisting of Asphalt and Asbestos Fiber Compound for Use in Insulating and on Walls and Ceilings.
Claims use since 1890.

Ser. No. 577,063. Masonite Corporation, Chicago, Ill., and Laurel, Miss. Filed Apr. 13, 1940.

LEATHERWOOD

For Fiber Board, Insulating Board, Composite Board, Construction Board, Hardboard, and Synthetic Lumber or Artificial Lumber Used for Various Construction Purposes.
Claims use since Jan. 7, 1940.

Ser. No. 590,358. The Euclid Chemical Company, East Cleveland, Ohio. Filed Jan. 5, 1950.

WATERPELLER

For Surface Treatment Material for Concrete and Masonry Consisting of a Dry Mixture of Pulverized Iron, Aluminum Stearate, and Aluminum Chloride Which is To be Mixed With Sufficient Water To Yield a Brushable Slurry Which is Then Applied to the Surface of Concrete or Masonry To Render it More Resistant to the Penetration of Water.
Claims use since May 1, 1949.

Ser. No. 591,012. Allied Chemical & Dye Corporation, New York, N. Y. Filed Jan. 18, 1950. (Sec. 2f.)

Bennett

Applicant claims ownership of Registrations Nos. 87,311, 87,312, and others.

For Roofing Cement, Bituminous Base Coating Composition for Roofs and Other Construction Purposes, Pitch, Asphalt and Tar for Roofing, Road and Other Construction Purposes; Prepared Roofing, Shingles, Papers, and Felts Used for Building, Sheathing, Insulating, and Other Construction Purposes; Composition Siding, Backing Board for Siding and Shingles, Noncombustible Thermal and/or Acoustical Insulation.

Claims use since about 1910; and since about 1893 in the forms shown in Registrations Nos. 87,311 and 87,312.

Ser. No. 600,843. Multi-Vent Awning & Aluminum Co., Augusta, Ga. Filed July 18, 1950.

MULVENCO.

The element "Co." is disclaimed.
For Metal Awning.
Claims use since Sept. 21, 1949.

Ser. No. 601,002. Van Cleef Bros., Inc., Chicago, Ill.
Filed July 20, 1950. (Sec. 2f.)

RUB'R-PAK

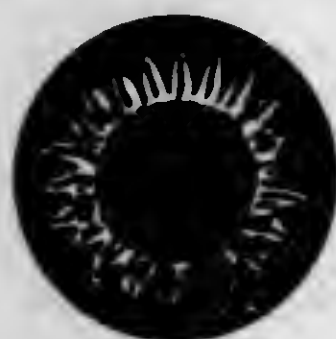
For Weatherstrip Packing for Window Channels.
Claims use since May 13, 1935.

Ser. No. 601,004. Van Cleef Bros., Inc., Chicago, Ill.
Filed July 20, 1950. (Sec. 2f.)



For Weatherstrip Packing for Window Channels.
Claims use since Jan. 1, 1938.

Ser. No. 609,236. Foster Lumber Company, Kansas City, Mo.
Filed Jan. 25, 1951.



For Plastic Roof Cement, Cold Process Sealer, Caulking Compound, Lap Cement, Blind Nail Sealer, Shingle Tab Seal, Glazing Compound, Commercial Putty, White Lead and Oil Putty, and Asphalt Floor Patching Compound.
Claims use since Sept. 16, 1946.

Ser. No. 615,478. The Carborundum Company, Niagara Falls, N. Y.
Filed June 21, 1951.

FIBERFRAX

For Thermal Insulation—Namely, Bats and Loose Masses of Refractory Fibers.
Claims use since April 1951.

Ser. No. 615,505. Storm Sash, Inc., Youngstown, Ohio.
Filed June 21, 1951.

"STORM MASTER"

No claim is made to the word "Storm" apart from the mark as shown on the drawing.

For Wooden and Metal Storm Windows and Storm Doors.

Claims use since Jan. 1, 1945.

Ser. No. 618,090. Macklanburg-Duncan Company, Oklahoma City, Okla.
Filed Aug. 25, 1951.

Nu-Phalt

For Asphaltic Cement Used for Sticking Down Composition Shingles, Roofing Materials, and Patches and for General Repairs to Roofs and Flashings.
Claims use since Aug. 1, 1951.

Ser. No. 621,122. Arch Rib Truss Corporation, Los Angeles, Calif.
Filed Nov. 13, 1951.

ARTCOR

For Joint Hangers, Joint Anchors, Split Ring Timber Connectors, Post-Girder Ties, Post Bases, and Jolt Ties.
Claims use since June 8, 1951.

Ser. No. 621,188. Wooster Kitchen Unit Co., New York and Brooklyn, N. Y.
Filed Nov. 13, 1951.



For Wood Product or a Natural Wood Laminated With a Resinous Plastic Sheeting Used in the Construction of Kitchen Cabinets, Furniture, and Bathroom Cabinets.
Claims use since September 1949.

Ser. No. 621,573. Pacadar, S. A., Madrid, Spain.
Filed Nov. 23, 1951.

PRECOMPRESO

The drawing is filed to show use of shading.
Applicant claims ownership of Spanish Registration No. 238,807, dated Nov. 22, 1950.

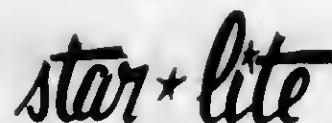
For Girders, Joists, Beams, Posts, Standards, Piles, Railway Sleepers of Wood, Metal, or Concrete, Slabs and Plates for Use in Constructions, Concrete Blocks.

Ser. No. 621,923. Thermo Window Co., Inc., Shrewsbury, Mass.
Filed Nov. 30, 1951.



For Combination Windows.
Claims use since Apr. 16, 1951.

Ser. No. 623,532. Beetle Manufacturing Company, Ontario, Calif.
Filed Jan. 14, 1952.



The word "Lite" is disclaimed apart from the mark as shown.

For Inside Plastic Wall Tile.
Claims use since Jan. 2, 1952.

Ser. No. 624,752. Midland Brick and Tile Company, Chillicothe, Mo.
Filed Feb. 9, 1952.

"Rosemold"

For Face Brick for Building Construction.
Claims use since Aug. 1, 1951.

Ser. No. 626,872. General Plywood Corporation, Louisville, Ky.
Filed Mar. 22, 1952.

KENTUCKY Colonel

The word "Kentucky" is disclaimed apart from the mark as shown.

For Wooden Doors for Use in Buildings.
Claims use since Dec. 15, 1951.

Ser. No. 627,021. Universal Atlas Cement Company, New York, N. Y.
Filed Mar. 25, 1952.

UNIVERSAL

Applicant claims ownership of Registrations Nos. 40,321, 229,458, and others.
For Hydraulic Cement.
Claims use since June 1900.

Ser. No. 628,072. Webster Block Company, Inc., Brentwood, Mo.
Filed Apr. 14, 1952.

WEBCO

For Concrete Building Blocks.
Claims use since Apr. 4, 1952.

Ser. No. 628,097. Davis Manufacturing Company, Atlanta, Ga.
Filed Apr. 15, 1952.

BON-AIR

For Metal Awnings.
Claims use since Apr. 1, 1952.

Ser. No. 628,530. National Homes Corporation, La Fayette, Ind.
Filed Apr. 23, 1952.



The word "Homes" is disclaimed apart from the mark as shown.

For Prefabricated Houses.
Claims use since May 4, 1948.

Ser. No. 629,009. The Flintkote Company, New York, N. Y.
Filed May 1, 1952.

REX CONSTRUCTION ROOFING

"Construction Roofing" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 73,611, 233,006, and others.

For Roofing Materials for Built-Up Roofs, Said Materials Comprising Sheets of Waterproof Felt, Each Sheet Having a Longitudinal Zone Coated With a Bituminous Compound Surfaced With Crushed Mineral and an Uncoated Longitudinal Zone.
Claims use since on or about May 1, 1918.

Ser. No. 629,566. Georgia-Pacific Plywood Company, Augusta, Ga.
Filed May 12, 1952.

WEDGEWOOD

No claim is made to the word "Wood" apart from the mark as shown.

For Plywood Products—Namely, Wall Paneling.
Claims use since Feb. 8, 1952.

Ser. No. 629,507. Georgia-Pacific Plywood Company, Augusta, Ga.
Filed May 12, 1952.

WEDGEWOOD BURLY

No claim is made to the words "Wood" and "Burlly" apart from the mark as shown.
For Plywood Products—Namely, Wall Paneling.
Claims use since Feb. 8, 1952.

Ser. No. 629,508. Georgia-Pacific Plywood Company, Augusta, Ga.
Filed May 12, 1952.

WEDGEWOOD KNOTTY

No claim is made to the words "Wood" and "Knotty" apart from the mark as shown.
For Plywood Products—Namely, Wall Paneling.
Claims use since Feb. 8, 1952.

Ser. No. 631,398. Armco Steel Corporation, Middletown, Ohio.
Filed June 19, 1952. (Sec. 2f.)

PAVED-INVERT

Applicant claims ownership of Registration No. 520,130.
For Corrugated Ferrous Metal Head Walls, Arches, Back-Walls, Retaining Walls, Tunnel Lining, Bridge Decking, Sheet Piling, Abutment Walls, Car Siding, and Caissons.
Claims use since June 1926.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 594,326. Douglas H. King, Short Hills, N. J.
Filed Mar. 21, 1950.



The words "Shower" and "Square Spray" are disclaimed apart from the mark as shown. No claim is made to color; the lining appearing on the drawing is for shading purposes only.

For Lawn Sprinklers.
Claims use since July 10, 1940.

Ser. No. 614,102. Sears, Roebuck and Co., Chicago, Ill.
Filed May 10, 1951.



Applicant claims ownership of Registration No. 331,331.
For Builders' Hardware—Namely, Floor Hinges, Door Butts, Door Hinges, Stay Hinges, Window Sash Lifts,

Window Sash Balances, Casement Adjusters, Window Sash Pulleys, Door Push Plates, Door Kick Plates, Door Hinge Straps, Door Knobs, Chest Handles, Chain Door Guards, Door Holders, Drawer Pulls, Door Stops, Stair Brackets, Shelf Brackets, Screen and Storm Window Hangers, Screen and Storm Door Hinges, Door Checks, Door Pulls, Storm Sash Adjusters, Screen Door Braces, Window Screen Corner Brackets, Screen Door Springs, Corner Irons, Mending Plates, Wire Nails, Garage Door Braces, Garage Door Holders, Garage Door Sets for Overhead Doors (Door Hangers, Roller Bearing Wheels, Steel Track, Counter Balancing Springs and Weights and Catches), Door Knockers, T Hinges, Hinge Hasps, Letter Box Plates, Pneumatic Door Closers, Hydraulic Door Closers, Screen and Sash Storage Racks, Table Leg Braces, Cabinet Hinges, Cabinet Pulls, Cabinet Knobs, Cupboard Turns, Casters, Barn Door Hangers, Garage Door Bearing Rollers, Brackets, Steel Track, Metal Screws, Stove Bolts, Wood Screws, Lock Washers, Steel Washers, Cotter Pins, Screw Containers—Namely, Rotatable Rack Mounted Jars, Carriage Bolts, Machine Bolts, Lag Screws, Tacks, Brads, Staples, Window Sash Fasteners, Casement Fasteners, Elbow Catches, Friction Catches, Cupboard Catches.

Claims use since Oct. 26, 1934.

Ser. No. 630,911. Recessed Screw Co., Inc., New York, N. Y. Filed June 7, 1952.



Applicant disclaims the descriptive word "Croslot" apart from the mark as shown.
For Machine, Wood, and Metal Screws.
Claims use since Dec. 6, 1951.

CLASS 15

OILS AND GREASES

Ser. No. 620,884. The Frontier Refining Company, Denver, Colo. Filed Nov. 5, 1951.



No exclusive rights are claimed in the word "Gas."
For Gasoline.
Claims use since July 1, 1940.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 619,555. Tru-Pine Company, Chicago, Ill. Filed Oct. 3, 1951.

Sprayway

Applicant claims ownership of Registration No. 553,967.
For Plastic Spray Protective Coatings and Aluminum Paint Enamels.
Claims use since July 1949.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 598,849. The Federal Cigar Company, Inc., Red Lion, Pa. Filed June 9, 1950.

HIDDEN

FORTUNE

For Cigars.
Claims use since Sept. 25, 1938.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 580,169. A. De St. Dalmas & Company Limited, Leicester, England. Filed May 26, 1949.

DALMAS

Applicant claims ownership of British Registration No. 619,667, dated July 29, 1942; and United States Registration No. 443,702.

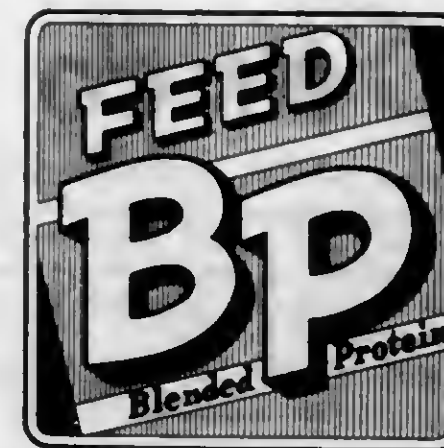
For Medicated Surgical Plasters and Medicated Surgical Dressings, Medicated Plasters and Bandages, Preparations for Killing Weeds and Destroying Vermin.

Ser. No. 581,764. Dr. Olivier Gaudin, Paris, France. Filed July 11, 1949.

ALGESAL

Applicant claims ownership of French Registration No. 379,740, dated Aug. 11, 1947.
For Analgesic Balm.

Ser. No. 592,222. Protein Blenders, Inc., Iowa City, Iowa. Filed Feb. 9, 1950.



No claim is made to the words "Feed" or "Blended Protein" except as shown. The lining indicates red.

For Supplement to Livestock and Poultry Feeds of the Protein Type.

Claims use since Jan. 27, 1950.

Ser. No. 603,071. McNeil Laboratories, Incorporated, Philadelphia, Pa. Filed Sept. 1, 1950. (Sec. 2f.)

HEPATINIC

Applicant claims ownership of Registration No. 420,536.
For Vitamin, Iron and Liver Preparation Useful in the Treatment of Anemic Conditions.
Claims use since 1917.

Ser. No. 605,902. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed Nov. 7, 1950.



Applicant claims ownership of Swiss Registration No. 114,141, dated Feb. 14, 1946.

For Medical Preparations for the Treatment of Acne, Acrocyanosis, Alimentary Intoxications, Allergies, Anemias, Angina, Angina Pectoris, Angioedema, Arthritis, Arthritis Tuberculosis, Asthma Bronchiale, Athetosis, Anxiety Psychosis, Biliary Fever, Bronchitis, Biliary Dysentery, Broncho-Pneumonia, Bronchial Tuberculosis, Bursitis, Colibacillosis, Caverns, Celsus' Kerion, Cardiac Insufficiency, Catarrhs, Carbuncles, Cancer, Cholangitis, Cholecystitis, Cholecystopathy, Colitis, Colitis Ulcerosa, Cholelithiasis, Coryza, Circulatory Insufficiency, Climacteric Disorders, Coughs, Colds, Cystitis, Cystopyelitis, Cystonephritis, Diabetes, Dietary Deficiencies, Digestive Diseases, Diarrhea, Disturbances of Circulation, Diplegia, Dermatitis, Diphtheria, Dysphagias, Dysentery, Duodenal Ulcers, Dysmenorrhea, Duodenal Gastritis, Edemas, Empyemas Enteritis, Erysipelas, Epilepsy, Extrapleural Tuberculosis, Fibrositis, Fissures, Fluorosis, Fistulas, Flatulence, Furunculosis, Glandular Disturbances, Gastro-Enteritis, Gastric Ulcers, Gleet, Grippe, Gonorrhea, Hay Fever, Heart Disorders, Hemiplegia, Hemorrhoids, Hepatitis Epidemica, Hepatoses, Hormone Disturbances, Hydroxy, Hyper- and Hypo-Chlorhydria, Hypo-Thyroidism, Hypertension, Impetigo, Influenza, Intestinal Disorders, Intestinal Tuberculosis, Leprosy, Liver Cirrhosis, Lumbago, Lymphadenitis, Lymphogranulomatosis, Meningitis Tuberculosis, Miliary Tuberculosis, Meteorism, Migraine, Multiple Sclerosis, Myogenic and Neurogenic Spasms, Naupathia,

Nephrosis, Neuralgia, Neuritis, Nervous Disorders, Obesity, Otitis Chronica, Otitis Media, Otitis Media Purulenta, Otitis Tuberculosis, Paraplegias, Parkinsonism, Periarthritis, Peripheral Vascular Disturbances, Pemphigus, Pneumonias, Postpartum Hemorrhages, Pyodermas, Pyurias, Proctitis, Puerperal Fever, Pylorospasms, Pleurisy, Pyelitis, Pyelonephritis, Psychosis, Pfeiffer-Meningitis, Pleuritis, Pneumococcal Meningitis, Post-Gonorrheal Diseases, Prostatitis, Proteus Vulgaris Infections, Pulmonary Tuberculosis, Pulmonary Heart, Raynaud's Diseases, Diphtheria Recovery, Retention of Urine, Rheumatic Affections, Renal Tuberculosis, Rhinitis Allergica, Atrophicans et Sicca, Sarcinosis, Sepsis Lenta, Sepsis Meningococcal, Sepsis Pneumococcal, Singultus, Spondylitis Tuberculosis, Stomatitis Aphthosa, Summer Diarrhea, Scarlet Fever, Spasmodic Colitis, Spasms, Streptococcal Infections, Strong Dysentery, Sonne's Dysentery, Tracheo Tuberculosis, Trichomonas Fluor, Tuberculosis of the Eyes, Tuberculosis of the Intestines, Tuberculosis of the Kidney, Tuberculosis of the Skin, Tuberculosis of the Throat, Tuberculosis of the Urogenital System, Tuberculosis Pleuritis, Tuberculous Fistulas, Tetanus, Tendovaginitis, Tendoperiostitis, Tuberculosis of Bones and Joints, Ulcers, Urinary and Uterine Disorders, Ulcus Ventriculi, Venereal Diseases, Virulicidal Diseases; for Medical Preparations Used as Analgesics, Anthelmintics, Anti-Allergic Substances, Antipyretic, Antibiotics, Anti-Histamine Agents, Antispasmodics, Anticoagulants, Anti-Infection Agents, Antineuralgics, Antipruritics, Antirheumatics, Antiseptic Agents, Antiseptics Urinary, Analeptics, Antituberculosatics, Antidiarrhoeals, Anti-Epileptics, Anti-Hidrotics, Anti-Arthritics, Anti-hemorrhagic Agents, Anti-Anemic Agents, Antineuritics, Antiparasitics, Antispasmodics, Anticonvulsives, Bactericidal Agents, Biliary Disinfectants, Ecobolus, Expectorants, Electro-Shock Treatment, Coagulants, Cardiac Depressants, Cardiac Stimulants, Cholagogues, Cerebral Depressants, Cerebral Stimulants, Chemotherapeutic Agents, Contrast Media for X-Rays, Disinfectants, Digestants, Diuretics, Diaphoretics, Excitants, Hypnotics, Hormones, Laxatives, Local Anesthetics, Neurovegetative Agents, Narcotics, Nerve Depressants, Nerve Stimulants, Oxytocics, Parasympatholitics, Prophylactic Agents, Sympatholytics, Sedatives, Stimulants, Suppositories for Hemorrhoids, Stomachics, Tonics, Vitamins, and Virucidals and for Estrogenic Preparations.

Ser. No. 609,260. The Sarnak Company Limited, Toronto, Ontario, Canada. Filed Jan. 25, 1951.

Sarnak

For Internal Medicine, Containing a Combination of Herbal Extracts and Minerals, for the Treatment of Rheumatic and Arthritic Pain, Nutritional Anemia, and Minor Upsets of the Stomach and Kidneys.
Claims use since Dec. 29, 1950.

Ser. No. 609,533. Chicago Pharmacal Company, Chicago, Ill. Filed Feb. 2, 1951.

TOLYSPAZ

For Medicinal Preparation for the Relief of Muscular Spasm, Relaxing of Spasticity and Rigidity by Restoring Deranged Reciprocal Innervation and Inhibition of Certain Release Symptoms.
Claims use since Dec. 12, 1949.

Ser. No. 613,607. John Russell Labs, Inc., Miami Springs and Hialeah, Fla. Filed May 7, 1951.

meditex

For Prepared and Medicated Surgical Dressings.
Claims use since Jan. 15, 1951.

Ser. No. 614,407. Luther McQueen, Connersville, Ind. Filed May 26, 1951.

QUEEN'S LINAMENT

Applicant disclaims the word "Linament" apart from the mark.

For Linament.

Claims use since Mar. 23, 1951.

Ser. No. 617,621. Merck & Co., Inc., Rahway, N. J. Filed Aug. 13, 1951.

CORTONOL

Applicant claims ownership of Registrations Nos. 328,190 and 531,347.

For Hormonal Substance for Use in the Treatment of Collagen, Allergic, and Other Diseases.

Claims use since July 31, 1951.

Ser. No. 618,352. Walter W. Grauer, Minneapolis, Minn. Filed Sept. 4, 1951.

Sulgly-Minol

For Solution of Sulphur for Use in the Treatment of Muscular Pains and in Bath Water.

Claims use since Nov. 1, 1945.

Ser. No. 624,608. Nutrena Mills, Inc., Minneapolis, Minn. Filed Feb. 8, 1952.

Livium

For Dietary Supplement Containing Vitamins and Other Substances That Help Protect Against Nutritional Deficiencies and/or Improve Growth or Production Efficiency When Added to Livestock and Poultry Feeds.

Claims use since Jan. 4, 1949.

Ser. No. 625,915. Philip H. Ohly, doing business under the name of Manzaid Drug Company, Oberlin, Ohio. Filed Mar. 4, 1952.

MANZAID

For Medicinal Compound for the Relief of Pains Caused From Muscular Rheumatism, Muscular Fatigue and Other Muscular Discomforts, Due to Anxiety, Tension, and Exposure.

Claims use since Jan. 25, 1952.

Ser. No. 626,289. The Denver Chemical Manufacturing Company, New York, N. Y. Filed Mar. 6, 1952.

Denco

Applicant claims ownership of Registration No. 405,820. For Dry Diagnostic Reagent for Detecting the Presence in Body Fluids of Sugar; a Dry Diagnostic Reagent for Detecting the Presence in Body Fluids of Acetone; and Dry Diagnostic Reagents for Detecting the Presence in Body Fluids of Albumin.

Claims use since Sept. 20, 1943.

Ser. No. 627,116. Corn Products Refining Company, New York, N. Y. Filed Mar. 27, 1952.



Applicant claims ownership of Registration No. 507,536. For Glucuronolactone, Sodium Glucuronate and Potassium Glucuronate for Use in the Treatment of Rheumatoid and Other Forms of Arthritis, in the Reduction of Flora in the Lower Intestines, as a Dietary Supplement for Increasing Diuretic Activity, in Increasing the Rate of Wound Healing and as a Detoxifier.

Claims use since June 27, 1950.

Ser. No. 627,840. Rexall Drug Company, Los Angeles, Calif. Filed Apr. 9, 1952.

BIOKETS

For Antibiotic and Anesthetic Throat Lozenges.
Claims use since Jan. 22, 1952.

Ser. No. 631,553. Fellows Medical Manufacturing Company, Inc., New York, N. Y. Filed June 21, 1952.

FELSULES

For Preparation of Chloral Hydrate, a Sedative and Hypnotic Used in the Treatment of Various Nervous Conditions Associated With Insomnia, Hypertension, Spasms, Convulsions, and Menopause.

Claims use since Feb. 11, 1952.

Ser. No. 631,707. Wyeth Incorporated, Philadelphia, Pa. Filed June 24, 1952.

SPARIN

For Vitamins B-Complex With Phenobarbital.
Claims use since June 10, 1952.

Ser. No. 631,927. Hoffmann-La Roche Inc., Nutley, N. J. Filed June 28, 1952.

ILIDAR

For Adrenolytic.
Claims use since June 20, 1952.

**CLASS 19
VEHICLES**

Ser. No. 399,434. The Huffman Manufacturing Company, Dayton, Ohio. Filed June 20, 1950.

**DIAL
YOUR
RIDE**

For Spring Forks for Bicycles.
Claims use since Feb. 21, 1950.

Ser. No. 611,014. Bendix Aviation Corporation, Detroit, Mich. Filed Mar. 8, 1951.

AIR-PAK

No claim is made of the use of the word "Air" apart from the mark as shown.

For Power Breaking Units of the Differential Air Pressure Type Consisting of Control Valves, Power Chambers, and Hydraulic Pressure Cylinders and Sold as Complete Units for Use on Vehicles.

Claims use since Jan. 27, 1951.

Ser. No. 611,954. Edmund E. Hans, Detroit, Mich. Filed Mar. 29, 1951.

LO-TEMP

Applicant claims ownership of Registration No. 364,952. For Combined Ventilating and Cooling Systems for Vehicles Operated by the Electrical System on the Vehicle.
Claims use since July 2, 1942.

Ser. No. 617,364. Easton Car & Construction Company, Easton, Pa. Filed Aug. 6, 1951. (Sec. 2f.)

EASTON

For Rubber Tired Quarry Units—Namely, Off-Highway Semi-Trailers, Truck Mounted Bodies, Full Trailer Units and Combinations of Such Units; Industrial Trailers—Namely, Platform Type Trailers, Rocker Dump Trailers, Hopper Type Trailers, Two Wheel Type Dump Trailers, Rack Type Trailers, Pneumatic Tired Industrial Trailers and Industrial Semi-Trailers; Light Duty Truck Bodies; Lift Truck Bodies; Industrial Cars—Namely, Annealing Furnace Cars, Core Oven Cars, Hopper Cars, Rocker Dump Cars, Skip Cars, Coal Charging Cars, Cable Bottom Cars, Rack Cars, Scoop Cars, Steel Mill Cars, Platform Cars, Transfer Cars, Quarry Cars, Mine Type Cars, Newsprint Cars, and Motor Driven Cars; and Industrial Trucks—Namely, Platform Trucks, Lift Trucks, and Fork Trucks.
Claims use since Oct. 1, 1938.

Ser. No. 620,257. Houdaille-Hershey Corporation, Detroit, Mich. Filed Oct. 20, 1951.

"HERCULES"

For Shock Absorbers for Automotive Vehicles, and Parts Thereof.
Claims use since Feb. 20, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 572,076. Airmaster Corporation, Chicago, Ill. Filed Jan. 13, 1949.

AIRMASTER

For Electric Air Circulators, Electric Portable Home Cooling Fans, and Propellers for Electric Fans.
Claims use since 1928.

Ser. No. 584,330. Paul O. Jordao, doing business as The Radex Co., Hudson, Wis. Filed Sept. 1, 1949.

IRADIEX

For Space Heaters Employing Electric Heat Lamps, Both With and Without Thermostatic Controls and Circulating Fans, and Parts Thereof.
Claims use since July 28, 1948.

Ser. No. 592,951. Strawbridge & Clothier, Philadelphia, Pa. Filed Feb. 23, 1950. (Sec. 2f.)

Windham

Applicant claims ownership of Registrations Nos. 502,135, 504,798, and 331,917.
For Television Sets.
Claims use since July 28, 1949.

Ser. No. 602,395. General Bronze Corporation, Garden City, N. Y. Filed Aug. 18, 1950.

MUL-TEL

For Television Distribution Systems for Distributing Television and Other Signals From a Single Antenna System to a Number of Receivers.
Claims use since the early part of 1947.

Ser. No. 614,434. Greco-span and Company, Inc., Philadelphia, Pa. Filed May 28, 1951.

**Shetland
China**

The right to register the word "China," per se, on the Principal Register, under the act of July 5, 1940, apart

from the mark "Shetland China" as a whole, is disclaimed without waiving or disclaiming any common-law rights in or with respect to the word "China" as applied to electric table lamps.

For Electric China Table Lamps.
Claims use since June 1944.

Ser. No. 614,501. Grayburne Corporation, New York, N. Y.
Filed May 29, 1951.

Ferri-Loopstick

Applicant disclaims the prefix "Ferri."
For Radio Antennas.
Claims use since Apr. 1, 1951.

Ser. No. 617,659. Electromode Corporation, Rochester, N. Y. Filed Aug. 14, 1951.

ELECTROMODE

Applicant claims ownership of Registration No. 289,978.
For Electric Space Heaters, Air Duct Electric Space Heaters, Explosion-Proof Electric Space Heaters, and Electric Furnaces.
Claims use since Apr. 22, 1951.

Ser. No. 619,514. Merit Transformer Corporation, Chicago, Ill. Filed Oct. 2, 1951.



The term "Since 1924" is disclaimed.
For Transformers, Colls, Chokes, and Yokes.
Claims use since July 23, 1940.

Ser. No. 621,047. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, now by merger United States Steel Company, a corporation of New Jersey.
Filed Nov. 9, 1951.

AMPOLENE

For Electrical Wire.
Claims use since Mar. 15, 1950.

Ser. No. 622,574. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, now by merger United States Steel Company, a corporation of New Jersey.
Filed Dec. 17, 1951.

AMPYROL

For Electrical Wire and Cables.
Claims use since Aug. 12, 1938.

Ser. No. 623,038. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California. Filed Jan. 2, 1952.

ANNIE OAKLEY

Among other meanings, the words "Annie Oakley" were the pseudonym of the famous woman sharp-shooter, Phoebe Moze, now deceased. Applicant claims ownership of Registration No. 561,886.

For Flashlights, Electric Phonographs, and Radios.
Claims use since Dec. 15, 1951.

Ser. No. 628,821. McGraw Electric Company, Milwaukee, Wis. Filed Apr. 28, 1952.

KK

Applicant claims ownership of Registration No. 414,207.
For Electrical Conductor Connectors.
Claims use since March 1947.

Ser. No. 629,896. Interstate Engineering Corporation, El Segundo, Calif. Filed May 19, 1952.

Magnalite

For Domestic Electric Vacuum Cleaners.
Claims use since May 9, 1952.

Ser. No. 630,088. The A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Filed May 22, 1952.

ALCAZAR

For Electric Water Heaters.
Claims use since July 27, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 546,294. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y. Filed Jan. 6, 1948.
(Sec. 2f.)

PLAYCYCLE

Applicant claims ownership of Registration No. 399,115.
For Children's Bicycles.
Claims use since Apr. 18, 1929.

Ser. No. 609,651. The Judy Company, Minneapolis, Minn. Filed Feb. 5, 1951.

Judyettes

Applicant claims ownership of Registration No. 380,171.
For Inlay Puzzles of at Least Semi-Rigid Flat Material of Uniform Thickness. Die-Cut To Define Characters.

Active and Inert Objects, and/or Animals, the Back Board of Which Has a Recess Defining the Outline of the Subject Matter of the Puzzle and Serving as a Container for the Pieces of the Puzzle When They Are Assembled.
Claims use since Mar. 1, 1949.

Ser. No. 615,140. Charles F. Skalic, Chicago, Ill. Filed June 13, 1951.

ELYFLIPPER

For Artificial Fish Lures.
Claims use since July 20, 1950.

Ser. No. 616,607. Patterson Edwards Limited, London, England. Filed July 17, 1951.

Leeway

Applicant claims ownership of British Registration No. 547,085, dated Dec. 15, 1933.

For Wheeled Toys—Namely, Doll's Perambulators, Doll's Push Chairs, Doll's Folders, Motor Vehicles, Pedal Vehicles, Wooden Engines, Pull-Along Vehicles, Wheel Barrows, Push Horses, Pedal Tricycles, and Scooters.

Ser. No. 619,702. Lucille Emerick, New York, N. Y. Filed Oct. 8, 1951.

"binky"

For Toy Set Comprising a Base in the Form of a Fanciful Figure Having Fixed and Unvarying Eyes and a Plurality of Covers Delineating Different Characters and Adapted To Be Selectively Buttoned Onto Said Base So as To Change the Representation Thereof.
Claims use since July 30, 1951.

Ser. No. 623,417. The J. L. Hudson Company, Detroit, Mich. Filed Jan. 10, 1952.



For Dolls.
Claims use since Nov. 12, 1951.

Ser. No. 628,588. The United States Playing Card Company, Cincinnati, Ohio. Filed Apr. 23, 1952.



Applicant claims ownership of Registrations Nos. 49,107, 55,524, and 60,313.
For Playing Cards.
Claims use since March 1945.

Ser. No. 628,967. A. G. Spalding & Bros. Inc., Chicopee, Mass. Filed Apr. 30, 1952.

SYNCHRODYNE

Applicant claims ownership of Registrations Nos. 441,399 and 504,170.
For Golf Clubs.
Claims use since Apr. 14, 1952.

Ser. No. 629,065. A. G. Spalding & Bros. Inc., Chicopee, Mass. Filed May 1, 1952.

DYNATOMIC

Applicant claims ownership of Registrations Nos. 441,399 and 504,170.
For Golf Clubs.
Claims use since Apr. 22, 1952.

Ser. No. 631,123. Rootie Kazootie, Inc., New York, N. Y. Filed June 12, 1952.

ROOTIE KAZOOTIE

For Toy Hand Puppets.
Claims use since Dec. 5, 1951.

Ser. No. 631,182. Russelure Mfg. Co., Inc., Los Angeles, Calif. Filed June 13, 1952. (Sec. 2f.)

Russelure

Applicant claims ownership of Registration No. 521,338.
For Artificial Fish Lures.
Claims use since Apr. 8, 1947.

Ser. No. 634,925. A. G. Spalding & Bros. Inc., Chicopee, Mass. Filed Sept. 5, 1952.

SYNCHRO-DYNED

For Golf Clubs.
Claims use since Aug. 11, 1952.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 558,480. Ex-Cell-O Corporation, Detroit, Mich. Filed June 4, 1948.

Pure-Pak

Applicant claims ownership of Registration No. 352,703. For Machines for Manufacturing Paper Container Blanks, Machines for Completing Paper Containers From Preformed Blanks, Machines for Portions of Such Machines, and Individual Parts Thereof. Claims use since Sept. 20, 1934.

Ser. No. 561,369. Nicholson File Company, Providence, R. I. Filed Dec. 22, 1947. (Sec. 27 as respects the surname "Nicholson.")



All the wording except "Nicholson" and the representation of the goods are disclaimed. Applicant claims ownership of Registration No. 184,434. For Files and Rasps. Claims use since January 1910.

Ser. No. 589,710. Cyclo Gear Company Limited, Birmingham, Warwickshire, England. Filed Dec. 21, 1949. (Sec. 27.)

"CYCLO"

For Variable Speed Gears Embodying Chain Shifting Mechanism for Use on Cycles. Claims use since Jan. 1, 1926; and first used in commerce between Great Britain and the United States of America in 1930.

Ser. No. 595,351. Armstrong Bros. Tool Co., Chicago, Ill. Filed Apr. 7, 1950. (Sec. 27.)



For the purposes of this registration, Applicant disclaims any exclusive right to the term "High Speed" apart from the mark as shown, without, however, disclaiming any common law rights that applicant may have. Applicant claims ownership of Registrations Nos. 115,574 and 258,352.

For High-Speed Cutter Bits, Blades, and Cutters for Lathes, Shapers, Planers, Slotters, and Like Tools. Claims use since the early part of January 1926 as to the mark shown; and since July 1, 1911 as to "Armstrong High Speed"; and since the first part of October 1925 as to the words and the arm and hammer design.

Ser. No. 601,316. Joel G. Doyle, Kansas City, Mo. Filed July 27, 1950.

ROTO-TRIM

The term "Trim" is disclaimed apart from the mark as shown. For Lawn Mowers. Claims use since Jan. 20, 1950.

Ser. No. 601,317. Joel G. Doyle, Kansas City, Mo. Filed July 27, 1950.

Rotoflo

For Lawn Mowers. Claims use since July 20, 1946.

Ser. No. 605,747. William M. Kirk, doing business under the name of Kirk Products Co., Amarillo, Tex., assignor to Kirk Manufacturing Co., doing business as Bill Kirk Mfg. Co. of Amarillo, Amarillo, Tex., a corporation of Texas. Filed Nov. 1, 1950.

OLD SCRATCH

For Automatic, Stationary, Mechanical Livestock Oiler and Insecticide Applicator, Operated by Stock Upon Bodily Rubbing or Scratching Against Operative Parts of the Same.

Claims use since Feb. 25, 1950.

Ser. No. 607,908. Hans Zelinka, doing business under the firm and style of Vindobona Importing Co., New York, N. Y. Filed Dec. 20, 1950.

SUMMIT

For Trowels Used by Brick Layers. Claims use since Sept. 1, 1950.

Ser. No. 612,597. The W. E. Dunn Manufacturing Company, Holland, Mich. Filed Apr. 13, 1951. (Sec. 27.)

DUNTILE

Applicant claims ownership of Registration No. 165,086. For Machines for Manufacturing Concrete Roofing Tile. Claims use since Feb. 1, 1921.

Ser. No. 622,226. Pliska Export Co., Inc., doing business as Utility Products Co., Fort Wayne, Ind. Filed Dec. 7, 1951.

UPCO

For Automotive Replacement Parts—Namely, Pistons, Piston Pins, Pin Bushings, Cylinder Sleeves, Motor Valves, Motor Valve Guides, Motor Valve Springs, Motor Valve Locks, Water Pumps, Mufflers, and Tail Pipes. Claims use since June 1948.

Ser. No. 631,314. Peter P. Schultz, Tacoma, Wash. Filed June 17, 1952.

BEAVER TAIL

For Police Clubs. Claims use since May 1, 1951.

Ser. No. 631,673. J. Curry Mendes Corporation, Boston, Mass. Filed June 24, 1952.

TIPPY

For Collating and Tipping Machines, Otherwise Known as Interleaving Machines Adapted To Place Spot Gum on Paper and Carbon Paper for the Manufacturers of One-Time Carbon Forms. Claims use since June 6, 1952.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 619,113. Speed Queen Corporation, Ripon, Wis. Filed Sept. 21, 1951.



The trade-mark comprises the words "Speed Queen" enclosed within a border representing a stylized development of an airplane wing structure, the words being separated by a panel enclosing a fanciful profile portrait. Applicant claims ownership of Registrations Nos. 281,149, 353,189, and 353,190.

For Laundry Equipment—Namely, Laundry Washing Machines, Laundry Dryers, and Wringers.

Claims use since on or about June 12, 1950; and since Feb. 7, 1930 with slightly different border and portrait.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 539,569. The Sand's Level and Tool Company, Detroit, Mich. Filed Oct. 30, 1947. (Sec. 27.)

Sand's Levels Tell The Truth

Applicant claims ownership of Registrations Nos. 221,276 and 110,434. For Spirit Levels. Claims use since Jan. 1, 1920.

Ser. No. 582,020. Brown & Sharpe Manufacturing Company, Providence, R. I. Filed July 15, 1949.

ELECTRALIGN

For Apparatus Comprising Strain Gauges and an Electronic Amplifier for Attachment to a Machine Tool for Indicating and Measuring the Movement of the Ends of a Swivel Table.

Claims use since Apr. 12, 1949.

Ser. No. 600,750. Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Filed July 15, 1950.



For Cameras, Camera Magazines, Photographic Viewfinders, Film, Film Winding Machines and Plates, Photo-composing Machines, Stereoscopes, Plotting Instruments and Photoelectric Engraving Machines. Claims use since July 2, 1947.

Ser. No. 601,897. Filotecnica Salmolraghi S. A., Milan, Italy. Filed Aug. 8, 1950.

ROSYLUX

Applicant claims ownership of Italian Registration No. 98,505, filed July 12, 1950.

For Lenses for Eye-Glasses, Prisms for Optical Use, Prismatic Monocles, Opera-Glasses, and Magnifying Glasses.

Ser. No. 620,259. Kemart Corporation, San Francisco, Calif. Filed Oct. 20, 1951.

KEMART

For Photographic Papers Treated With Active Fluorescent Material Adapted To Emit Visible Light When Irradiated With a Substantially Invisible Ray. Claims use since May 21, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 621,408. Manheimer Watch Company, Chicago, Ill. Filed Nov. 19, 1951.



Applicant disclaims the descriptive word "Gems" and the representation of the diamonds.

For Gold and Platinum Wedding Rings, and Gold and Platinum and Diamond Mounted Mountings and Wedding Rings.

Claims use since Aug. 14, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 604,033. The New York Association for the Blind, Inc., New York, N. Y. Filed Nov. 7, 1950. (Sec. 2f.)

LENOX

For Mops.
Claims use since in or about the year 1935.

Ser. No. 606,035. The New York Association for the Blind, Inc., New York, N. Y. Filed Nov. 7, 1950.

LOUIS

For Brooms.
Claims use since September 1948.

Ser. No. 612,518. A. J. Sirls Products Corp., New York, N. Y. Filed Apr. 11, 1951.

Betty Lou

Applicant claims ownership of Registration No. 304,281.
For Powder Puffs.
Claims use since January 1921.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 620,644. Wrought Iron Range Company, St. Louis, Mo. Filed Oct. 29, 1951.

Home Comfort

Applicant claims ownership of Registration No. 61,357.
For Domestic Refrigerators and Low Temperature Storage Freezers.
Claims use since Oct. 1, 1951.

Ser. No. 620,649. Wrought Iron Range Company, St. Louis, Mo. Filed Oct. 29, 1951.



Applicant claims ownership of Registrations Nos. 61,357 and 367,411.

For Domestic Refrigerators and Low Temperature Storage Freezers.

Claims use since Oct. 1, 1951.

Ser. No. 625,699. Tecumseh Products Company, Tecumseh, Mich. Filed Feb. 28, 1952. (Sec. 2f.)

TECUMSEH

For Refrigeration Compressors, Refrigeration Condensing Units, Complete Domestic Refrigerator Systems Comprising an Operative Assembly of Compressor, Condenser, and Evaporator, With or Without a Housing or Cabinet Therefor, and Parts Thereof.

Claims use since July 8, 1938.

CLASS 33

GLASSWARE

Ser. No. 613,270. The United Glass Bottle Manufacturers Limited, London, England. Filed Apr. 27, 1951.

UGB

Applicant claims ownership of British Registration No. 468,541, dated Mar. 27, 1926.
For Glass Bottles.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 597,049. Standard Fuel Engineering Company, Detroit, Mich. Filed May 3, 1950. (Sec. 2f.)



All wording, other than the word "Standard," and the representation of the name plate are disclaimed apart from the mark shown. Applicant claims ownership of Registration No. 269,366.

For Gas and Oil Fired Heat Treating Furnaces.
Claims use since 1914.

CLASS 37

PAPER AND STATIONERY

Ser. No. 614,404. Michael J. Devito, New London, Conn. Filed May 29, 1951.

BOLSCOR

For Partially Printed Record Books for Howling Leagues.

Claims use since Apr. 16, 1951.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 600,658. The Garlock Packing Company, Palmyra, N. Y. Filed July 14, 1950.

LATTICE BRAID

The applicant disclaims exclusive use to the word "Braid" apart from the mark as shown.

For Mechanical Packing, the Function of Which is To Create a Gaseous or Liquid Seal on the Moving Parts of Mechanical Equipment.

Claims use since Mar. 15, 1940.

Ser. No. 636,173. Paul E. Hawkinson Company, Minneapolis, Minn. Filed Oct. 4, 1952. (Sec. 2f.)

HAWKINSON

Applicant claims ownership of Registrations Nos. 502,432, 503,008, and 503,409.

For Tire Repair Materials—Namely, Rubber Repair Plugs.

Claims use since on or about June 15, 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 615,758. Columbia Records Inc., Bridgeport, Conn. Filed June 27, 1951.

RUDOLPH RECOMMENDS

For Grooved Phonograph Records and Phonograph Record Albums.

Claims use since Mar. 27, 1951.

Ser. No. 615,759. Columbia Records Inc., Bridgeport, Conn. Filed June 27, 1951.



For Grooved Phonograph Records and Phonograph Record Albums.

Claims use since Mar. 27, 1951.

CLASS 37

PAPER AND STATIONERY

Ser. No. 614,404. Michael J. Devito, New London, Conn. Filed May 29, 1951.

BOLSCOR

For Partially Printed Record Books for Howling Leagues.

Claims use since Apr. 16, 1951.

LITHOWIPES

Applicant claims ownership of Registrations Nos. 503,077 and 529,502.

For Absorbent Tissue Made of Paper.

Claims use since Sept. 10, 1951.

Ser. No. 630,945. Motor Products Corporation, Detroit, Mich., and North Chicago, Ill. Filed June 9, 1952.

Deepfreeze

Applicant claims ownership of Registrations Nos. 390,264 and 340,892.

For Laminated Wrapping Paper for the Packaging and Protection of Frozen Food Products.

Claims use since Apr. 4, 1952.

Ser. No. 631,445. The Sun Rubber Company, Barberton, Ohio. Filed June 19, 1952.

Sunruco

Applicant claims ownership of Registrations Nos. 192,614, 205,510, and others.

For Rubber Finger Pads.

Claims use since on or about June 1, 1924.

CLASS 39

CLOTHING

Ser. No. 576,495. Herbert Hoslery Company, Norristown, Pa. Filed Apr. 1, 1949.

NYLON STEELKID

The applicant's trade-mark consists of the word "Steelkid" arranged in intersecting relation with respect to the word "Nylon," the latter word being disclaimed apart from the mark as shown.

For Men's, Women's, and Children's Full Length, Ankle Length, and Abbreviated Socks, Knitted Wholly or Partially of Nylon.

Claims use since Mar. 15, 1949.

Ser. No. 617,338. Chevette, Inc., New York, N. Y. Filed Aug. 4, 1951.

Stand Alone

For Ladies' and Misses' Petticoats and Slips.
Claims use since May 1951.

Ser. No. 623,242. A. L. Dorgin, New York, N. Y. Filed Jan. 5, 1952.

Rakoy-Lon

For Women's and Misses' Hosiery.
Claims use since Nov. 23, 1951.

Ser. No. 624,100. Nu-Mode Lingerie Co., Inc., New York, N. Y. Filed Jan. 25, 1952.

Tele-Queen

For Pajamas for Women and Girls.
Claims use since Aug. 1, 1951.

Ser. No. 624,871. Bata Shoe Company, Inc., Belcamp, Md. Filed Feb. 13, 1952.

**LADY
ATHOR**

For Hosiery for Women, Men, Boys, Girls, and Infants.
Claims use since Jan. 21, 1952.

Ser. No. 625,672. H. Glaser & Son, Inc., Boston, Mass. Filed Feb. 28, 1952.

Gla-Sheer

Apart from the mark shown the word "Sheer" is disclaimed.

For Ladies' Hosiery.
Claims use since July 2, 1942.

Ser. No. 625,826. S. Simpson Limited, London, England. Filed Mar. 1, 1952.

PADAK

Applicant claims ownership of Registrations Nos. 315,624 and 550,343.

For Topcoats, Overcoats, and Raincoats for Men, Women, and Children.

Claims use since February 1935 in Great Britain; and since July 1940 in commerce between Great Britain and the United States.

Ser. No. 624,080. Troxler-Lynch Hosiery Company, also doing business as Troxler Hosiery Company, Springfield, Ill. Filed Mar. 6, 1952.

Troxlyn

For Women's and Children's Hosiery.
Claims use since Mar. 1, 1949.

Ser. No. 626,489. The Barblan Corporation, New York, N. Y. Filed Mar. 15, 1952.

Acclaim

For Ladies' Slips.
Claims use since Apr. 6, 1950.

Ser. No. 626,815. Northmont Hosiery Corporation, Reading, Pa. Filed Mar. 21, 1952.

DULLASTIC

For Hosiery for Women and Girls.
Claims use since Feb. 4, 1952.

Ser. No. 626,998. The Manhattan Shirt Company, New York, N. Y. Filed Mar. 25, 1952.

TAFTACREPE

For Pajamas, Undershirts, and Undershorts for Men, Young Men, and Boys.
Claims use since Mar. 1, 1941.

Ser. No. 627,209. Miles Shoes Incorporated, New York, N. Y. Filed Mar. 28, 1952.

**bikini
= Nylons =
WITH THAT NAKED LOOK**

No registration rights are claimed for the wording "Nylons With That Naked Look" apart from the mark shown in the drawing.

For Women's and Misses' Hosiery.
Claims use since Mar. 4, 1952.

Ser. No. 627,405. Leslie Schamberg, New York, N. Y. Filed Apr. 2, 1952.

"Mirror Magic"

For Stockings for Women and Girls.
Claims use since Sept. 1, 1951.

Ser. No. 627,632. Hamilton Hosiery Mills, Inc., New York, N. Y. Filed Apr. 5, 1952.

COLORESQUE

The drawing is lined to indicate the colors red, green, and yellow.

For Women's Stockings.
Claims use since Mar. 20, 1952.

Ser. No. 629,299. Hat Corporation of America, Norwalk, Conn. Filed May 7, 1952.

ANGEL FACE

For Hats for Women.
Claims use since about the fall of 1941.

Ser. No. 630,171. Herbert Swann, New York, N. Y. Filed May 23, 1952.

Tuffler

For Mufflers for Men, Women, and Children.
Claims use since May 2, 1952.

Ser. No. 630,246. Frederick L. Wechsler, doing business as Capulets, New York, N. Y. Filed May 24, 1952.

Capulets

For Girls' and Misses' Hats.
Claims use since January 1950.

Ser. No. 630,532. Nate J. Fulop Company, San Francisco, Calif. Filed May 31, 1952.

Donnydale

For Men's Clothing—Namely, Men's Suits, Overcoats, Top Coats, Rain Coats, Sport Coats, Slacks, and Jackets.
Claims use since Mar. 3, 1948.

Ser. No. 630,674. Hart Schaffner & Marx, Chicago, Ill. Filed June 3, 1952.

*Royal
Trumpeter*

Applicant claims ownership of Registrations Nos. 111,004, 284,452, and others.

For Men's and Boys' Articles of Clothing—Namely, Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches, and Women's and Misses' Articles of Clothing—Namely, Suits, Coats, and Dresses.

Claims use since Apr. 16, 1952 as to "Royal Trumpeter"; and since Feb. 15, 1915 as to "Trumpeter."

666 O. G.—23

Ser. No. 630,687. Summit Mills Corporation, New York, N. Y. Filed June 3, 1952.



For Sport Shirts for Men and Young Men.
Claims use since Dec. 26, 1951.

Ser. No. 630,896. Linbro Mfg. Corp., New York, N. Y. Filed June 7, 1952.

CLIPANA

For Scarfs To Be Wrapped Around Head Turban Fashion.
Claims use since May 1, 1952.

Ser. No. 630,988. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Filed June 10, 1952.

Fifi

For Ladies' Hosiery.
Claims use since Dec. 21, 1951.

Ser. No. 632,289. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Filed July 9, 1952.

CHLORO-NYL

For Ladies' Hosiery.
Claims use since June 23, 1952.

Ser. No. 632,914. Beltr Corporation, St. Louis, Mo. Filed July 23, 1952.

Betty K

For Garter Belts.
Claims use since Mar. 12, 1952.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 614,353. Robert R. Lokey, Jr., doing business as Variety Products, Los Angeles, Calif. Filed May 25, 1951.

**PRESTO
PATCH**

No registration rights are claimed to the word "Patch" apart from the mark shown in the drawing.

For Garment Mending Patches.
Claims use since Apr. 23, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 617,015. Deering, Milliken & Co., Inc., New York, N. Y. Filed July 27, 1951.

STABILON

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof.
Claims use since May 5, 1951.

Ser. No. 618,955. Cantor-Greenspan Co., Inc., New York, N. Y. Filed Sept. 19, 1951.

DURALAB

For Rayon Piece Goods.
Claims use since Apr. 2, 1951.

Ser. No. 621,723. North Star Woolen Mill Company, Minneapolis, Minn., and Lima, Ohio. Filed Nov. 27, 1951.

Startime

Applicant claims ownership of Registrations Nos. 120,773, 378,875, and others.

For Blankets Made Partially of Wool and Partially of Synthetic Fibers.

Claims use since Sept. 20, 1951.

Ser. No. 621,000. Usines Textiles Ganseman & de Myttenaere, Société Anonyme, Iteaux, Belgium. Filed Dec. 1, 1951.

GAMY

Applicant claims ownership of Belgian Registration No. 363, dated Jan. 14, 1947.

For Fabrics of Wool, Cotton, Silk, and Synthetic Fibers.

Ser. No. 621,999. Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Filed Dec. 3, 1951. (Sec. 2f.)

BREWSTER

For Woven Pile Rugs and Carpets.
Claims use since 1929.

Ser. No. 623,184. Collins & Alkman Corporation, New York, N. Y. Filed Jan. 4, 1952.



The word "Upholstery" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 275,448, 543,414, and 565,368.

For Upholstery Fabrics of Wool, Cotton, Mohair, and Synthetic Fibers, of Plastic and Synthetic Yarns and of Mixtures Thereof.

Claims use since Dec. 7, 1951, on the mark as shown; and since October 1947 on the word "Candalon."

Ser. No. 623,367. Safie Bros. Co. Inc., New York, N. Y. Filed Jan. 9, 1952.



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The person shown as part of the mark is purely a fanciful figure, and merely represents a portrait of an Arab in native costume.

For Sheeting of Cotton and Synthetic Fibers.

Claims use since Sept. 21, 1951.

Ser. No. 624,329. Carlton Mills Company, Philadelphia, Pa. Filed Jan. 31, 1952.

"FIFI"

For Textile Fabrics of Wool and Mixtures of Wool, Cotton, and Synthetic Fibers.

Claims use since Jan. 14, 1952.

Ser. No. 625,841. Zekaria Bros., New York, N. Y. Filed Mar. 1, 1952. Ser. No. 634,243. Crown Manufacturing Company, South Attleboro, Mass. Filed Aug. 21, 1952.



Applicant disclaims the exclusive right to use the term "Hand-Run."

For Embroidered Knitted Nylon Cloth (Sometimes Flocked With Cotton or Rayon Flock).

Claims use since Mar. 20, 1951.

Ser. No. 626,753. Shirley Fabrics Corp., New York, N. Y. Filed Mar. 20, 1952.

SUNWAY

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.

Claims use since Apr. 9, 1951.

Ser. No. 626,791. Goodall-Sanford, Inc., Sanford, Maine. Filed Mar. 21, 1952.

VELAMONA

For Piece Goods of Wool, Sold in Bolt.
Claims use since Jan. 10, 1952.

Ser. No. 628,540. Kemp & Beattley, Inc., New York, N. Y. Filed Apr. 23, 1952.

Victory Golden Crinkles

Apart from the combination "Victory Golden Crinkles," the word "Crinkles" is disclaimed. Applicant claims ownership of Registration No. 101,517.

For Table Cloths, Napkins, Guest Towels, and Furniture Scarfs.

Claims use since Nov. 13, 1951.

Ser. No. 631,322. J. P. Stevens & Co., Inc., New York, N. Y. Filed June 17, 1952.

EMPIRE

For Sheets and Pillow Cases Made of Textile Material.
Claims use since July 15, 1953.

Ser. No. 632,237. Bartmann & Bixler, Inc., New York, N. Y. Filed July 8, 1952.

KENSTRON

For Window Curtains.
Claims use since June 1, 1952.

Ser. No. 632,238. Bartmann & Bixler, Inc., New York, N. Y. Filed July 8, 1952.

KENTWEED

For Window Curtains.
Claims use since June 1, 1952.

Fabrille

For Piece Goods of Wool and Synthetic Fibers.
Claims use since July 22, 1952.

Ser. No. 634,302. Dan River Mills, Incorporated, Danville, Va. Filed Aug. 22, 1952.

SHANDAN

For Textile Fabrics in the Piece of Cotton.
Claims use since June 9, 1952.

Ser. No. 634,312. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

LATINEY

For Textile Fabrics Made of Wool, Cotton, and Synthetic Fibers and Combinations Thereof.
Claims use since Aug. 5, 1952.

Ser. No. 634,313. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

MAZET

For Textile Fabrics Made of Wool, Cotton, and Synthetic Fibers and Combinations Thereof.
Claims use since Aug. 5, 1952.

Ser. No. 634,314. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

MILARETTA

For Textile Fabrics Made of Wool, Cotton, and Synthetic Fibers and Combinations Thereof.
Claims use since Aug. 5, 1952.

Ser. No. 634,316. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

RIBURRA

For Textile Fabrics Made of Wool, Cotton, and Synthetic Fibers and Combinations Thereof.
Claims use since Aug. 2, 1952.

Ser. No. 634,318. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

TORRETTE

For Textile Fabrics Made of Wool, Cotton, and Synthetic Fibers and Combinations Thereof.
Claims use since Aug. 5, 1952.

Ser. No. 634,319. Deering, Milliken & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

VICINETTE

For Textile Fabrics Made of Wool, Cotton, and Synthetic Fibers and Combinations Thereof.
Claims use since Nov. 1, 1951.

Ser. No. 634,324. D. B. Fuller & Co., Inc., New York, N. Y. Filed Aug. 22, 1952.

NUBLIN

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Textile Fabrics and Substitutes Thereof.
Claims use since June 25, 1951.

Ser. No. 634,367. D. B. Fuller & Co., Inc., New York, N. Y. Filed Aug. 23, 1952.

PLAYCHENE

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Mar. 19, 1951.

Ser. No. 634,501. Tumble-Twist Mills, Inc., Easley, S. C. Filed Aug. 20, 1952.

DOMINATOR

For Woven Twisted Loop Cotton and Wool Rugs.
Claims use since June 28, 1952.

Ser. No. 634,716. United States Rubber Company, New York, N. Y. Filed Aug. 30, 1952.

SHANDEM

For Cotton Fabrics in the Piece.
Claims use since Aug. 22, 1952.

Ser. No. 634,772. Joseph Bancroft & Sons Co., Wilmington, Del. Filed Sept. 3, 1952.

EVER-PLAY

For Fabrics of Cotton and of Synthetic Fibers, Including Nylon and Rayon, and Combinations Thereof.
Claims use since July 14, 1952.

Ser. No. 634,977. D. B. Fuller & Co. Inc., New York, N. Y. Filed Sept. 8, 1952.

LURASHEEN

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Aug. 1, 1952.

Ser. No. 635,075. Russell C. Walker, Pittsburgh, Pa. Filed Sept. 9, 1952.

IRANSHAH

For Sarong Rugs.
Claims use since Sept. 5, 1950.

Ser. No. 635,123. Dan River Mills, Incorporated, Danville, Va. Filed Sept. 11, 1952.

SOUTHCORD

For Textile Fabrics in the Piece of Cotton.
Claims use since Aug. 26, 1952.

CLASS 43

THREAD AND YARN

Ser. No. 572,815. The Snaia-Viscosa, Società Nazionale Industria Applicazioni Viscosa, Milano, Italy. Filed Jan. 19, 1949.

TRITALFIL

Applicant claims ownership of Italian Registration No. 46,437, dated Nov. 22, 1933.
For Yarn of Cellulose Fibres, and Also of Cellulose Fibres Mixed With Other Fibres, Having a Flattened Transversal Section, Cut to Variable Length, Used Principally in the Manufacture of Mops.

Ser. No. 623,140. The Heminway & Bartlett Mfg. Co., Watertown, Conn. Filed Jan. 3, 1952. (Sec. 2f.)

Rezilyant

Applicant claims ownership of Registration No. 291,518. For Slip Stitching Thread.
Claims use since Dec. 10, 1930.

Ser. No. 630,870. American Viscose Corporation, Philadelphia, Pa. Filed June 7, 1952.

MINIFIL

For Yarns, Threads, and Yarn and Thread Filaments.
Claims use since May 29, 1952.

Ser. No. 632,660. Cleveland Mills Co., Lawndale, N. C. Filed July 17, 1952.

MIKE

Applicant claims ownership of Registration No. 405,946. For Sewing Threads.
Claims use since on or about Mar. 1, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 614,907. Smith Victory Corporation, Buffalo, N. Y. Filed June 7, 1951.

Bobbie Smith

The name "Bobbie Smith" is fanciful. Applicant claims ownership of Registration No. 560,143.
For Permanent Wave Kits Containing Waving Lotion, Neutralizer, Bobby Pins, Rayon Nets, and Directions for Use.
Claims use since May 9, 1951.

Ser. No. 627,811. Cutter Laboratories, Berkeley, Calif. Filed Apr. 9, 1952.

Unijex

For Disposable Syringes for Shipping and Administering Parenteral Medicaments.
Claims use since July 27, 1951.

Ser. No. 628,027. The Amalgamated Dental Co., Ltd., London, England. Filed Apr. 14, 1952. (Sec. 2f.)

ASH, ENGLAND

Applicant claims ownership of Registrations Nos. 538,916, 538,917, and others.

For Dental Instruments—Namely, Burs; Clamps, Elevators; Extracting Forceps; Tongue Forceps; Handpieces, i. e., Bur Holders; Long Handled Instruments—Namely, Burnishers, Carvers, Chisels, Excavators, Lancets, Mallet Points, Plastic Filling, Probes (Explorers); Scalars; Scalpels, Spatulas, Stoppers and Trimmers; Tweezers; Articulators; Impression Trays; Matrix Retainers; Pliers; Suction Diacs; and Syringes.

Claims use since January 1924 in Great Britain; and first used in commerce between Great Britain and the United States in January 1924.

Ser. No. 629,425. The Christy Company, Fremont, Ohio. Filed May 9, 1952. (Sec. 2f.)

Christy

Applicant claims ownership of Registrations Nos. 26,889 and 281,745.
For Surgical Blades.
Claims use since 1938.

Ser. No. 630,417. The Kendall Company, Boston, Mass. Filed May 28, 1952.

T.E.D.

For Elastic Stockings.
Claims use since Apr. 2, 1951.

Ser. No. 630,568. American Safety Razor Corporation, Brooklyn, N. Y. Filed June 2, 1952.

SteriSharps

For Detachable Blades for Surgical Knives.
Claims use since Apr. 30, 1952.

Ser. No. 630,982. Battle Creek Equipment Company, Battle Creek, Mich. Filed June 10, 1952. (Sec. 2f.)

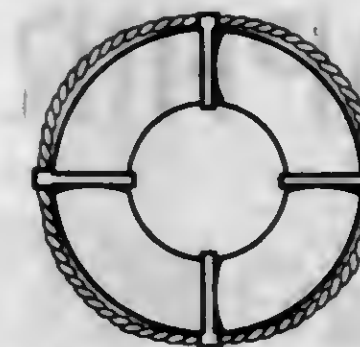
BATTLE CREEK AUTOMATIC EXERCISER

Applicant claims ownership of Registration No. 541,657. For Electrically Operated Reducing Lounges.
Claims use since 1925 on the mark as shown; and since Jan. 1, 1911 as to "Battle Creek."

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 631,810. The Multiple Breaker Company, Boston, Mass. Filed June 26, 1952.



For Drinking Water.
Claims use since Sept. 30, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 545,026. Ojai Orange Association, Ojai, Calif. Filed Dec. 20, 1947.

SECURITY

For Fresh Citrus Fruits.
Claims use since 1912.

Ser. No. 548,084. Kitchen Craft Foods Corporation, Brooklyn, N. Y. Filed Jan. 27, 1948.

Kitchen Craft

For Foods and Food Products—Namely, Gelatine Desserts, Mixes for Making Cream Pudding Desserts, a Mixture of Ingredients for Making Lemon Pies, Tarts, and Cakes, Potato Pancake Mix, Chiffon Whip Mix, Pure Fruit Water Ice and Sherbet Concentrates, Frozen Dessert Mix for Use in Making Ice Cream, Biscuit Mix, Waffle Mix, Griddle Cake Mix, Mixes for Making Cakes, Ginger Bread Mix, Donut Mix, Bran and Corn Muffin Mixes, Chiffon Pie

Base, Devil's Food Base, Apple Cake Base, Mixes for Making Cream Filling for Pies and Pastries, and Plain Granulated Gelatine in Powder Form; Dehydrated Onion Soup, Bouillon Base; Dehydrated Soup Mix; Preparations in Powder and Liquid Forms for Making Hot Chocolate Beverages; Spaghetti Sauce Italiane; Spaghetti Sauce Italiane With Meat and Mushrooms; Jellyed Beef Consomme; Jellyed Tomato Madrilene, Bouillon Base; Chocolate Flavored Syrup for Food Purposes; Fountain Fudge Sauces; Fudge Icings; Mixture of Fruits for Flavoring Ice Cream Mix and for Use in Fruit Cake Doughs and as a Topping on Ice Cream Sundae; Buttered Pecan Nut Meats; Butter Scotch Concentrate; Chocolate Concentrate in Liquid Form; Flavored Powder for Milk Beverages; Concentrated Griddle and Waffle Syrup-Flavor; Ready-to-Use Griddle Cake Syrup; Meringue Whip Powder; Marshmallow Powder; Breakfast Cocoa; Prunes in Syrup; Gravy Improver for Flavoring and Coloring Gravies, Soups, Stews, and Sauces; Cream Improver for Facilitating Conversion Thereof into Whipped Cream; Concentrated Vegetable Product for Improving and Strengthening the Flavor of Soups, Gravies, and Vegetable Dishes; Worcestershire Sauce; and Vanilla Extract, Vanilla Compound, and Other Flavoring Extracts for Food Purposes.

Claims use since March 1935.

Ser. No. 593,839. Societe Anonyme Georges Lesteur & Ses Fils, Paris, France. Filed Mar. 11, 1950.

OPHIR

Applicant claims ownership of French Registration No. 380,883, dated Oct. 17, 1947.

For Edible Oils and Fats for Food Purposes—Namely, Olive Oil, Peanut Oil, Palm Oil, Corn Oil, Poppy Seed Oil, Rape Seed Oil, and Linseed Oil; Vinegar, Mustard, Peppers, Spices, Tomato Sauce, and Chili Sauce.

Ser. No. 597,754. Hart's Bakery, Inc., Silkeston, Mo. Filed May 19, 1950. (Sec. 2f as to "Hart's.")

Hart's Sta-Fresh

No exclusive claim is made to the words "Sta-Fresh" apart from the mark as shown on the drawing.

For Bread and Rolls.

Claims use since July 1, 1948 as to the mark shown; and since May 1, 1943 as to the mark "Hart's."

Ser. No. 600,350. Pretlow Peanut Company, Inc., Franklin, Va. Filed July 7, 1950. (Sec. 2f.)

GRAND JUMBO

Any exclusive right to the use of the word "Jumbo" apart from the mark shown in the drawing is hereby disclaimed.

For Raw Unshelled Extra Large Fancy Hand Picked Virginia Peanuts.

Claims use since 1916.

Ser. No. 601,193. Breyer Ice Cream Company, Philadelphia, Pa. Filed July 25, 1950. (Sec. 2f as to "Breyers.")



No claim is made to the words "Eat," "All-Ways," "Ice Cream," and "Quality." Applicant claims ownership of Registrations Nos. 86,676, 194,773, and 144,708.

For Ice Cream.

Claims use since Apr. 10, 1924.

Ser. No. 606,629. J. Osola Co. Inc., also known as J. Osola Co., New York, N. Y. Filed Nov. 18, 1950. (Sec. 2f.)

Torino

Applicant claims ownership of Registration No. 303,136. For Anchovies in Salt and Oil, Canned or Bottled; Apricots, Canned or Bottled; Artichokes; Beans in Tins or Bottled; Canned Antipasto; Caponatina (a Canned or Packed Salad Mixture Consisting of Fresh Egg Plant, Celery, Capers, Onions, Olives, Tomato Sauce, Edible Oil, Vinegar, Sugar, and Spices); Artichoke Hearts, Canned or Bottled; Cherries, Bottled; Chick Peas in Tins or Bottled; Coffee in Packages and Cans; Cheese, Grated; Figs Dried; Filets of Anchovies, Canned; Fruit Cake; Grapefruit Juice in Tins or Bottled; Hors d'Oeuvres, Canned, Consisting of a Mixture of Fish and Vegetables; Lentils, Dried or Cooked, in Containers; Mushrooms, Dried or Preserved in Edible Oil, in Tins or Bottled; Noodles, Dried or Cooked and Bottled in Tomato Sauce; Olives in Tins or Bottled, Spiced or Plain; Olive Oil in Bottles and Tins; Orange Juice, Canned or Bottled; Peaches, Whole or Sliced, Canned or Bottled; Peppers, Whole or Cut or Crushed, Preserved in Tins or Bottles; Ravioli, Cooked in Sauce and Packed in Jars; Dry Packaged Rice; Roman Cheese, Grated or Whole; Sardines in Tins or Bottled; Spaghetti, Dried or Cooked; Spaghetti Sauce, Bottled; Spinach Canned; Spices in Packages; Tamarind Syrup; Tomato Concentrate, Tomato Puree, Tomato Preserves, Tomato Juice, Tomato Paste and Tomato Sauce for Food Purposes, in Cans or Bottles; Tuna Fish in Tins or Bottled; Torrone (a Bakery Food Being a Paste-Like Sweetmeat, Containing Almonds and Other Nuts); Wine Vinegar.

Claims use since Apr. 15, 1921 as to "Torino" in a slightly different form; and since May 22, 1940 as to the mark shown.

Ser. No. 611,175. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Mar. 12, 1951.

RENDIDORA

The mark "Rendidora" is not a word of any language, to the best of applicant's knowledge.

For Wheat Flour.

Claims use since Dec. 7, 1934.

Ser. No. 614,885. The Maryland Baking Company, Baltimore, Md. Filed June 7, 1951. (Sec. 2f.)

DUBLE HEDER

For Ice Cream Cones.

Claims use since on or about July 1, 1929.

Ser. No. 621,211. Leaf Brands, Inc., Chicago, Ill. Filed Nov. 14, 1951.

LEAF-LETS

Applicant claims ownership of Registration No. 531,421. For Candy and Chewing Gum.

Claims use since Oct. 1, 1946.

Ser. No. 622,305. M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Filed Dec. 10, 1951.



Applicant claims ownership of Registrations Nos. 138,949, 138,950, and 138,951.

For Tea.

Claims use since 1879.

Ser. No. 622,438. Harrison's Heart O'Orange, Inc., Chicago, Ill. Filed Dec. 13, 1951. (Sec. 2f.)

heart o' lemon

No claim is made to exclusive use of the word "Lemon" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 232,100 and 347,703.

For Canned Lemon Juice.

Claims use since Oct. 1, 1946.

Ser. No. 623,970. Samuel L. Lewis, doing business under the name of Brunswick Quick Freezer, Brunswick, Ga. Filed Jan. 23, 1952.

SHRIMP BOAT

No claim is made to the word "Shrimp" apart from the mark shown in the drawing.

For Fresh Frozen Shrimps and Fresh Breaded Frozen Shrimp.

Claims use since Jan. 14, 1952.

Ser. No. 624,252. Union Starch & Refining Co., Columbus, Ind. Filed Jan. 29, 1952.

SPRING MILL

For Table Syrup.

Claims use since Jan. 11, 1952.

Ser. No. 625,951. American Seal-Kap Corporation of Delaware, Long Island City, N. Y. Filed Mar. 5, 1952.

ENZYLAC

The word "Lac" is disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 364,535.

For Fluid Milk of Low Curd Tension.

Claims use since Mar. 3, 1938.

Ser. No. 627,138. Lipman and Lipman, Inc., New York, N. Y., and Hollywood, Fla. Filed Mar. 27, 1952.

SIX IS

The word "Brand" is disclaimed apart from the mark as shown.

For Fresh Deciduous and Citrus Fruits, and Fresh Vegetables.

Claims use since Nov. 15, 1951.

Ser. No. 627,362. Vegetable Oil Products Company, Inc., Wilmington, Calif. Filed Mar. 31, 1952.

PUROLA

For Shortening—Namely, a Blend of Hydrogenated Marine Animal Oil and Vegetable Oil.

Claims use since April 1933.

Ser. No. 627,363. Vegetable Oil Products Company, Inc., Wilmington, Calif. Filed Mar. 31, 1952.

X-Cello

For Shortening—Namely, a Blend of Hydrogenated Marine Animal Oil and Vegetable Oil.

Claims use since April 1933.

Ser. No. 628,107. Incoro, Inc., Kingston, N. Y. Filed Apr. 15, 1952.

INCORO

For Coffee.

Claims use since Jan. 2, 1952.

Ser. No. 628,719. Royal, Barry-Carter Mills, Inc., Nashville, Tenn. Filed Apr. 25, 1952.



The name "Martha White" and the portrait is that of Martha White Lindsey now deceased. Applicant claims ownership of Registrations Nos. 192,721, 538,025, 544,349, and 563,451.

For Jams, Jellies, and Cherry, Damson, Peach, and Strawberry Preserves.

Claims use since Feb. 25, 1952.

Ser. No. 629,081. Armour and Company, Chicago, Ill. Filed May 2, 1952.

CLOVERBLOOM

Applicant claims ownership of Registration No. 553,323. For Frozen Eggs, Powdered Eggs, Meringue Powder, Food Stabilizer Powder, and Dry Milk.

Claims use since 1916.

Ser. No. 629,149. C. J. Berst & Co., Portage, Wis. Filed May 3, 1952.

MISS OREGON

Applicant disclaims the word "Oregon" separate and apart from the mark as shown.

For Cheese.

Claims use since December 1951.

Ser. No. 629,160. Flavor Corporation of America, Chicago, Ill. Filed May 3, 1952.

HEET

For Flavoring Extracts Used in the Manufacture of Bakery Goods and Confections.

Claims use since Apr. 18, 1952.

Ser. No. 629,206. K. C. Buffet Supply, Kansas City, Mo. Filed May 5, 1952.

JUBILESTA

For Sauce Composed of Tomatoes, Spices, Pyroligneous Acid, and Synthetic Hickory Flavoring for Use on Foods for Human Consumption, Such as Meats, Salads, and the Like.

Claims use since Apr. 17, 1952.

Ser. No. 629,343. Harney Canning Company, Ltd., Tampa, Fla. Filed May 8, 1952.

Kozy Kitchen

For Canned Chicken With Yellow Rice.

Claims use since Apr. 3, 1952.

Ser. No. 631,044. The Borden Company, New York, N. Y. Filed June 11, 1952. (Sec. 2f.)

Lady Borden

Applicant claims ownership of Registrations Nos. 107,310, 128,942, and others.

For Ice Cream.

Claims use since June 14, 1944.

Ser. No. 631,360. The Miami Margarine Company, Cincinnati, Ohio. Filed June 18, 1952.

TABLE KING

For Margarine.

Claims use since May 14, 1952.

Ser. No. 632,227. South Pacific Canning Company, Long Beach, Calif. Filed July 7, 1952.

FLUFFY

For Canned Cat Food, Consisting of Fresh Fish, Barley, Yellow Corn, Molasses, Meals, Salt, Rice Polish, and Sufficient Water To Process.

Claims use since June 18, 1952.

Ser. No. 632,583. A. E. Staley Manufacturing Company, Decatur, Ill. Filed Aug. 2, 1952. (Sec. 2f as to "Staley's.")



The drawing is lined for red. Applicant disclaims any exclusive right to the representation of a bag apart from the mark as shown. Applicant claims ownership of Registrations Nos. 222,066 and 378,691.

For Animal Feeds—Namely, Stock Feeds and Ingredients for Stock, Poultry, and Pet Feeds, Said Ingredients

Being Corn Gluten Feed, Corn Gluten Meal, and Corn Oil Meal, and Said Pets Being Dogs, Cats, and Similar Animals.

Claims use since 1938 on the mark as shown; and since Sept. 19, 1912, as to "Staley's."

Ser. No. 633,733. Nash-De Camp Company, Visalia, Calif. Filed Aug. 11, 1952.

BALLERINA

For Fresh Deciduous Fruits and Fresh Vegetables.

Claims use since July 9, 1952.

Ser. No. 633,835. Colonial Molasses Co. of La., Inc., New Orleans, La. Filed Aug. 13, 1952.

SAILOR BOY SYRUP

No claim is made to use of the word "Syrup" apart from the mark as shown.

For Sugar Cane Syrup.

Claims use since on or about Oct. 15, 1938.

Ser. No. 633,836. Colonial Molasses Co. of La., Inc., New Orleans, La. Filed Aug. 13, 1952.

SUGAR BILL SYRUP

No claim is made to use of the word "Syrup" apart from the mark as shown.

For Sugar Cane Syrup.

Claims use since on or about Oct. 15, 1938.

Ser. No. 635,742. Chain-O-Lakes, Inc., Waupaca, Wis. Filed Sept. 25, 1952.

MIDG—HORN

For Cheese.

Claims use since June 23, 1952.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 613,318. Jas. Barclay & Co. Limited, Detroit, Mich. Filed Apr. 30, 1951.



The lining on the drawing is for shading purposes only. For Whiskey.

Claims use since on or about May 13, 1943.

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Ser. No. 631,617. Hiram Walker & Sons Inc., Detroit, Mich., and Peoria, Ill. Filed June 23, 1952.

COUNTRY BANK

For Whiskey.

Claims use since on or about May 20, 1952.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 625,217. Herbert B. Strauss, doing business as H. B. Strauss Company, New York, N. Y. Filed Feb. 19, 1952.



For Synthetic Plastic Fabrics in Sheet Form—Namely, Artificial Leather.

Claims use since January 1952.

Ser. No. 627,910. Tylac Company, Monticello, Ill. Filed Apr. 10, 1952.

TYLAC RITE GREEN

No claim is made to the wording "Rite Green" except in combination with the mark as shown.

For Chalkboard.

Claims use since Jan. 1, 1952.

Ser. No. 628,646. Nathaniel H. Nissenbaum, doing business as Textile Products Company, Philadelphia, Pa. Filed Apr. 24, 1952.

Tepco

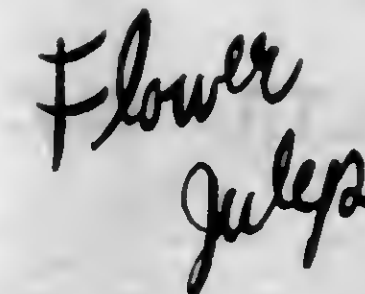
For Canvas Products—Namely, Tarpaulins, Tents, Awnings, and Drop Cloths.

Claims use since Feb. 11, 1952.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 591,050. Helena Rubinstein, Inc., New York, N. Y. Filed Jan. 18, 1950.



For Cologne.

Claims use since Dec. 21, 1949.

Ser. No. 597,585. Clairol Incorporated, Stamford, Conn. Filed May 17, 1950.

BLACK VELVET

No claim is made to the word "Black" apart from the mark as shown.

For Hair Tinting and Coloring Preparation.
Claims use since Mar. 1, 1950.

Ser. No. 600,964. Melaro's Incorporated, Oakmont, Pa. Filed July 20, 1950.

Twinkit

For Permanent Wave Neutralizers and Heat or Cold Wave Solutions or Lotions, Lipstick, Face and Dusting Powders, Face and Hand Creams, Skin Lotions, and Perfumes.

Claims use since Dec. 7, 1949.

Ser. No. 604,735. Frank E. Neeck, doing business as Neeck Sales Co., Los Angeles, Calif. Filed Oct. 11, 1950.

Glo-Sheen

No registration rights are claimed for the word "Sheen" apart from the mark shown in the drawing.

For Hair Dressing Preparations.
Claims use since July 20, 1949.

Ser. No. 609,156. Atlantco & Cie., also does business as Auber Parfums, Paris, France. Filed Jan. 24, 1951.

FRA DIAVOLO
AUBER PARFUMS
PARIS

The words "Auber Parfums Paris" are disclaimed. The name "Fra Diavolo" is fanciful and is not the name of a particular individual. Applicant claims ownership of French Registration No. 396,270, dated Aug. 19, 1949.
For Perfumes.

Ser. No. 611,820. Ultra Chemical Works Inc., Paterson, N. J. Filed Mar. 26, 1951.

ULTRAPOLE

For Soap Solutions, Detergent Masses, and Surface Active Materials Used as Detergents, as Ingredients of Detergents, as Wetting Agents, as Foaming Agents, as Emulsifiers, and as Ingredients of Cosmetic Preparation.

Claims use since January 1929.

Ser. No. 624,879. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Feb. 13, 1952.

Fedway

For Face and Dusting Powders, Dry and Cream Rouges, Lipsticks, Cleansing, Dry Skin and Eye Creams, Skin Fresheners, Skin and Hand Lotions, Perfumes, Colognes, Eyebrow Pencils, Eyelash Makeup, Bath Salts, Liquid and Cream Deodorants, Depilatories, Nail Polish and Nail Polish Remover, Shaving Creams and Lotions, Styptic Pencils, Hair Tints, Dental Creams and Powders, Sachet Powders, Mouthwashes and Sun Tan Lotions.
Claims use since Dec. 28, 1951.

Ser. No. 624,968. Perma-Strate Company, Memphis, Tenn. Filed Feb. 14, 1952.

Perma-STRATE

No claim is made to the syllable "Strate" apart from the mark. The drawing is lined for red and blue but no claim is made to color.

For Hair Straightening Cream.
Claims use since May 1, 1946.

Ser. No. 625,225. Henry Raskin, Detroit, Mich. Filed Feb. 19, 1952.

Lucky Dog

The word "Dog" is disclaimed apart from the mark. For Dog Deodorant With Insecticide Properties.
Claims use since Jan. 25, 1952.

Ser. No. 625,302. Eugenia Smetisko (Smith), doing business as Theodore Genet, Elmhurst, Ill. Filed Feb. 20, 1952.

TRANQUIL

For Perfume.
Claims use since October 1951.

Ser. No. 626,413. Caryl Richards, Inc., Brooklyn, N. Y. Filed Mar. 13, 1952.

POODLE PERM

The word "Poodle" is disclaimed apart from the mark as shown.

For Permanent Wave Lotion.
Claims use since December 1950.

Ser. No. 627,033. Charles Antell, Inc., Baltimore, Md. Filed Mar. 26, 1952. Ser. No. 633,803. Verdi, Inc., Chicago, Ill. Filed Aug. 12, 1952.

Charles Antell

The name "Charles Antell" is not the name of a particular individual and is fanciful.
For Hair Dressing Cream Containing Lanolin.
Claims use since July 20, 1950.

Ser. No. 631,230. Whitehall Pharmacal Company, New York, N. Y. Filed June 14, 1952.

Princess Eve CHLORA Stick

The notation "Princess Eve" is purely fanciful. No claim is made to the word "Stick." Applicant claims ownership of Registration No. 537,619.
For Personal Deodorant.
Claims use since Dec. 7, 1951.

Ser. No. 631,644. The Barbasol Company, Indianapolis, Ind. Filed June 24, 1952.



The trade-mark consists of parallel diagonal red, white, and blue stripes and a blue panel. The drawing is lined to indicate the colors blue and red. Applicant claims ownership of Registrations Nos. 187,443, 245,858, and others.

For Paste-Like Preparation for Shaving, With Incidental Skin-Healing Properties.

Claims use since Mar. 26, 1942 as to the mark in the precise form shown; and since September 1919 as to the mark in a slightly different form.

Ser. No. 632,823. Beauty Counselors, Inc., Grosse Pointe, Mich. Filed July 21, 1952. (Sec. 2f.)

Liquid Beauty

Applicant claims ownership of Registration No. 513,523.
For Powder Base.
Claims use since May 15, 1947.

KNAVE

For After Shave Lotion.
Claims use since on or about July 14, 1952.

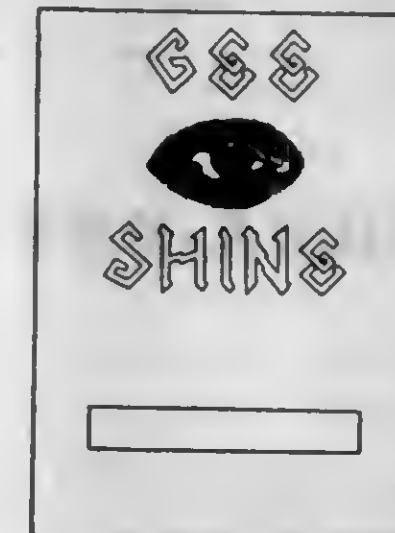
Ser. No. 634,200. Kolar Laboratories, Inc., doing business under the style name of The Dura Company, Chicago, Ill. Filed Aug. 20, 1952.

duraset

For Hair Waving Preparation.
Claims use since February 1939.

CLASS 52 DETERGENTS AND SOAPS

Ser. No. 569,840. Gee Eye Shine Chemical Co., also doing business as Gee Eye Chemical Company, Tyrone, Pa. Filed Dec. 3, 1948.



The word "Shine" is disclaimed. The lining on the drawing is for red. Color, however, is not claimed as a material feature of the mark.

For Detergents for Cleaning Automobiles, Furniture, Glass, and for General Household Cleaning Purposes.
Claims use since June 1, 1948.

Ser. No. 592,808. Cal Products Company, Los Angeles, Calif. Filed Feb. 23, 1950.

calamatic

For Laundry Soap.
Claims use since Sept. 30, 1948.

Ser. No. 603,044. The Savogran Company, Boston, Mass.
Filed Sept. 23, 1950.

Ser. No. 610,868. Quality Lampost Co., Oceanside, N. Y.
Filed July 24, 1951.

Dirtex

For Cleaning Compound for Painted and Washable Sur-
faces.
Claims use since Aug. 4, 1950.

Ser. No. 604,275. The Simoniz Company, Chicago, Ill.,
now by change of name Simoniz Company. Filed Sept.
30, 1950.

TARGO

For Tar Solvent in Liquid Form Sold in Containers of
One Gallon and Less for Use on Painted and Unpainted
Metal and Wood Surfaces of Automobiles and the Like.
Claims use since January 1938.

Ser. No. 606,601. Economics Laboratory, Inc., St. Paul,
Minn. Filed Nov. 18, 1950.

SILVA-DRY

The word "Dry" is disclaimed apart from the mark as
shown.

For Cleaning Preparation in Liquid Form Primarily
Designed for Cleaning Silverware.
Claims use since June 13, 1949.

Ser. No. 611,820. Ultra Chemical Works Inc., Paterson,
N. J. Filed Mar. 26, 1951. (Classified in Class 51.)
See this serial number in Class 51 for goods and mark.
Claims use since January 1929.

Ser. No. 614,944. Hillyard Chemical Company, St.
Joseph, Mo. Filed June 8, 1951. (Sec. 2f.)

Windo-Clean

Applicant claims ownership of Registration No. 428,293.
For Liquid Window Cleaner.
Claims use since Jan. 1, 1934.



For Detergents for Cleaning the Exposed Visible Pic-
ture-Transmitting Parts—Namely, the Lenses and Other
Light-Transmitting Parts for the Picture.
Claims use since Apr. 17, 1951.

Ser. No. 622,240. Yosemite Chemical Company, San Fran-
cisco, Calif. Filed Dec. 7, 1951.

Y-610

For Rust Remover and Preventative.
Claims use since Dec. 7, 1947.

Ser. No. 625,147. West Disinfecting Company, Long
Island City, N. Y. Filed Feb. 18, 1952.

PINOFECT

For Disinfectant and Cleanser Combined.
Claims use since Jan. 1, 1910.

Ser. No. 625,154. West Disinfecting Company, Long
Island City, N. Y. Filed Feb. 18, 1952.

WESTONE

For Combined Liquid Cleanser, Disinfectant, and De-
odorant.
Claims use since Jan. 1, 1941.

Ser. No. 632,469. Emerson & Colditz, Bay City, Mich.
Filed July 12, 1952.

WOLVERINE



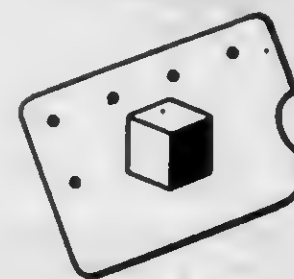
For All Purpose Cleaner.
Claims use since July 5, 1952.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 627,765. Robert G. Neubauer, Incorporated,
Bridgeport, Conn. Filed Apr. 8, 1952.



For Service of Rendering Art Services of Sales Promot-
ional Nature—Namely, the Origination and Preparation
of Ornamental Shapes and Surface Designs for Merchan-
dise Containers, Merchandise Displays, and the Visible
Surfaces Thereof.
Claims use since Oct. 1, 1948.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 610,280. Lernell Agency, Inc., San Francisco,
Calif. Filed Feb. 19, 1951.



For Preparation of Radio and Television Scripts and
Transcriptions for Use in Broadcasting by Others for the
Purpose of Advertising the Goods and Services of Others.
Claims use since Dec. 18, 1950.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 605,741. Helland Research Corporation, Denver,
Colo. Filed Nov. 1, 1950.



Applicant claims ownership of Registrations Nos.
405,917, 412,814, and 540,902.

For Service, Maintenance, and Repair of Photographic
Equipment, Construction Parts Thereof and Accessories
Therefor, and for the Installation and Synchronization of
Photographic Flash Equipment, Placing Such Equipment
in Proper Functioning Order, and as to Synchronization,
the Testing and Adjusting To Obtain Proper Timed Rela-
tion Between Shutter and Flash.
Claims use since June 1, 1950.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 525,994. Western Air Lines, Inc., Los Angeles,
Calif. Original filed, act of 1905, July 3, 1947; amended
to application under act of 1946, Principal Register, Jan.
20, 1950.



For Transportation of Passengers, Freight, and Mail by
Airplane.
Claims use since 1926.

Ser. No. 604,198. Grocery Dispatch, Inc., Brooklyn, N. Y.
Filed Sept. 29, 1950.



For Storing, Transporting, and Forwarding Groceries.
Claims use since Jan. 31, 1950.

CLASS 106
MATERIAL TREATMENT

Ser. No. 607,232. Nolder Steel Company, Chicago, Ill.
Filed Dec. 2, 1950. (Sec. 2f.)

NOLDER

For Treatment of Sheets and Coils of Metal, Such as Steel, Aluminum, Copper, and Brass, by Shearing, Slitting, Edge Rolling, Flattening, and Bending; and Cutting Coils to Lengths.

Claims use since January 1945.

Ser. No. 616,192. Sleepy Hollow Craftsmen, Inc., Cincinnati, Ohio. Filed July 6, 1951.

Forever Portrait

No claim being made to the exclusive right to the use of the word "Portrait" separate and apart from the mark as shown.

For Services to Commercial Portrait Photographers Comprising, Printing, Enlarging, Coloring, Treating To Inhibit Deterioration, Mounting and Framing Portrait Negatives Submitted by the Commercial Portrait Photographers.

Claims use since Apr. 2, 1951.

Ser. No. 617,019. Eastern States Storm Window, Inc., West Springfield, Mass. Filed July 27, 1951.



No registration rights are claimed herein for the word "Storm" or the word "Seal" or the phrase "Made-Rite Fit-Tite" separate and apart from the mark.

For Manufacture to Individual Specifications of Glassed and Screened Storm Windows and Doors.

Claims use since March 1949.

TRADE-MARK REGISTRATIONS GRANTED
ACT OF 1946, PRINCIPAL REGISTER

- 568,976. Dairy Products Processing Equipment Made of Metal—Namely, Cans and Covers, and Pails. The Creamery Package Mfg. Company, Chicago, Ill. Filed July 5, 1947, Serial No. 527,883. Published Oct. 21, 1952. Class 2.
- 568,977. Box Lunches, Consisting of Candy, Cake, and Sandwiches. The Ace Fooda, Inc., Milwaukee, Wis. Filed Oct. 7, 1947, Serial No. 536,978. Published Oct. 21, 1952. Class 46.
- 568,978. Tool Chests, and Boxes for General Utility Purposes, All of Portable Nature, Made of Metal and Sold Empty. Union Steel Chest Corporation, Leroy, N. Y. Filed Nov. 7, 1947, Serial No. 540,496. Published Oct. 21, 1952. Class 2.
- 568,979. Pure Cottonseed Oil for Food Purposes. The Capital City Products Company, Columbus, Ohio. Filed Dec. 1, 1947, Serial No. 542,814. CONCURRENT USE. Published Oct. 21, 1952. Class 46.
- 568,980. Footwear Made of Rubber and of Combinations of Rubber and Fabric and of Rubber and Leather—Namely, Boots, Shoes, Overshoes, Arctics, Gaiters, Rubbers, Footholds, Overs, Canvas Shoes, and Oxford; Also Rubber Soles and Heels. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Filed Dec. 19, 1947, Serial No. 544,892. Published Oct. 21, 1952. Class 39.
- 568,981. Olive Oil. Aceites Bau, S. A., Madrid, Spain. Filed July 20, 1948, Serial No. 561,705. Published Sept. 23, 1952. Class 46.
- 568,982. Machinery—Namely, Circular Saw Benches, Rip Saws, Etc. Oliver Machinery Company, Grand Rapids, Mich. Filed Jan. 23, 1948, Serial No. 563,984. Published Sept. 30, 1952. Class 23.
- 568,983. Publication, Published From Time to Time. Fraternal Order of Police, Philadelphia, Pa. Filed Oct. 20, 1948, Serial No. 567,254. Published Oct. 14, 1952. Class 38.
- 568,984. Carbonated, Maltless, Soft Drinks. Blackhawk Bottling Co., Rockford, Ill. Filed Oct. 28, 1948, Serial No. 567,751. Published Nov. 6, 1951. Class 45.
- 568,985. Carbonated, Maltless, Soft Drinks. Blackhawk Bottling Co., Rockford, Ill. Filed Oct. 28, 1948, Serial No. 567,752. Published Nov. 6, 1951. Class 45.
- 568,986. Shoes for Women. The H. C. Godman Company, Columbus, Ohio. Filed Oct. 28, 1948, Serial No. 567,778. Published Oct. 21, 1952. Class 39.
- 568,987. Nitrogenous Fertilizer. Phillips Petroleum Company, Bartlesville, Okla. Filed Nov. 26, 1948, Serial No. 569,474. Published Oct. 14, 1952. Class 10.
- 568,988. Candy Bars. Zion Industries, Inc., Zion, Ill. Filed Dec. 29, 1948, Serial No. 571,308. Published Oct. 7, 1952. Class 46.
- 568,989. Rebuilt Automobile Engines. American Automobile Company, Seattle, Wash. Filed Feb. 11, 1949, Serial No. 573,699. Published Sept. 16, 1952. Class 23.
- 568,990. Chemical Reagent for Cleaning and for Removing From a Well or From an Oil- or Gas-Bearing Formation in a Well Mud-Like Sheathing or Coating on the Well Wall, Etc. Petrolite Corporation, Ltd., doing business under the name of Tret-O-Life Co. of Calif., St. Louis, Mo., and Los Angeles, Calif., now by change of name Petrolite Corporation. Filed Mar. 14, 1949, Serial No. 575,423. Published Oct. 14, 1952. Class 52.
- 568,991. Grinding and Milling Tools, Arbors, Milling Cutters, Flexible Shafts, Suspension Hangers, Tool Post Holders, Chucks, Collets, Wheel Arbors, Tool Mountings, Lathes, Milling Tables, Wire Strippers, Slotters, and Undercutters. Precise Products Company, Racine, Wis. Filed Apr. 2, 1949, Serial No. 576,553. Published Sept. 30, 1952. Class 23.
- 568,992. Cleanser for Cleaning Porcelain, Tile, Terrazzo, Linoleum, Venetian Blinds, Silks, Nylon, Cotton, Wool, Rayon, Baby Diapers, Diapers, Pots, Pans, Glassware, Windows, and Automobiles. E. A. Gerlach Company, Inc., Eddington, Pa. Filed May 11, 1949, Serial No. 578,591. Published Oct. 21, 1952. Class 52.
- 568,993. Knit Athletic Union Suits and Athletic Shirts for Men, Women, Youths of Both Sexes, and Children. Waterville Textile Mills, Inc., Waterville, N. Y. Filed June 10, 1949, Serial No. 580,271. Published Oct. 21, 1952. Class 39.
- 568,994. Hectographic Duplicating Machines for Imprinting Names and Addresses on Envelopes and Other Stationery. Master Addresser Company, Minneapolis, Minn. Filed June 18, 1949, Serial No. 580,733. Published Sept. 10, 1952. Class 23.
- 568,995. 100% Wool Yarn; and Yarn Composed of Wool and Synthetic Fibres. Amicale Yarns, Inc., New York, N. Y. Filed June 29, 1949, Serial No. 581,234. Published Oct. 21, 1952. Class 43.
- 568,996. Organic Solvent. Danciger Oil & Refining Company, Fort Worth, Tex., assignor to Southern Production Company, Inc., Fort Worth, Tex. Filed July 12, 1949, Serial No. 581,798. Published Oct. 28, 1952. Class 6.
- 568,997. Refrigeration Packaging Products—Namely, Paper Bags and Cartons Which Are Impervious to Moisture. International Harvester Company, Chicago, Ill. Filed July 14, 1949, Serial No. 581,958. Published Oct. 21, 1952. Class 2.
- 568,998. Antispasmodic Preparation. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed July 21, 1949, Serial No. 582,274. Published Sept. 30, 1952. Class 18.
- 568,999. Medicine Cabinets of the Recessed Type for Wall Insertion. Faries Manufacturing Company, Decatur, Ill. Filed Aug. 19, 1949, Serial No. 583,685. Published Oct. 28, 1952. Class 12.
- 569,000. Blankets, Textile Rugs, Bedspreads, Curtains, Printed Fabrics of Cotton, Table Cloths, Turkish Towels, Wash Cloths, Print Dish Cloths, Mattress Protectors, Plastic Pillow Covers. Mercantile Stores Company, Inc., Wilmington, Del. Filed Aug. 20, 1949, Serial No. 583,763. Published Oct. 21, 1952. Class 42.

- 569,001. Pickles. J. J. Gielow & Sons, Inc., Detroit, Mich. Filed Aug. 29, 1949, Serial No. 584,194. Published Oct. 7, 1952. Class 46.
- 569,002. Toothbrushes Having a Massaging Element Thereon. Lactona Incorporated, St. Paul, Minn. Filed Sept. 2, 1949, Serial No. 584,410. Published Oct. 21, 1952. Class 29.
- 569,003. Imprints Representing Currency or Value—Namely, Bank Notes; Etc. American Bank Note Company, New York, N. Y. Filed Oct. 1, 1949, Serial No. 585,623. Published Oct. 7, 1952. Class 38.
- 569,004. Imprints Representing Currency or Value—Namely, Bank Notes; Etc. American Bank Note Company, New York, N. Y. Filed Oct. 1, 1949, Serial No. 585,625. Published Oct. 7, 1952. Class 38.
- 569,005. Maternity Girdles, Maternity Belts, and Maternity Corsets. The No-Lift Company, Inc., Hollywood, Calif. Filed Oct. 10, 1949, Serial No. 586,058. Published Oct. 21, 1952. Class 39.
- 569,006. Cabinet Door Operated Refuse Cans. Benjamin D. Goldberg, doing business as Hide-A-Can Co., Brooklyn, N. Y. Filed Oct. 25, 1949, Serial No. 586,800. Published Oct. 21, 1952. Class 2.
- 569,007. Men's Shoes Composed of Leather and Combinations Thereof With Rubber and Fabric. Worcester Shoe Company, Worcester, Mass. Filed Nov. 8, 1949, Serial No. 587,520. Published Oct. 21, 1952. Class 39.
- 569,008. Fresh Eggs, Frozen Eggs, Dried Eggs, and Dressed Poultry. Pioneer Hi-Bred Corn Co., Des Moines, Iowa. Filed Nov. 16, 1949, Serial No. 587,907. Published June 3, 1952. Class 46.
- 569,009. Pancake Mixes. Nebraska Consolidated Mills Company, Omaha, Nebr. Filed Dec. 29, 1949, Serial No. 590,098. Published Sept. 23, 1952. Class 46.
- 569,010. Cookies and Vitamin Fortified Cookies. The Vita-Food Corporation, Los Angeles, Calif. Filed Nov. 4, 1949, Serial No. 590,124. Published Oct. 7, 1952. Class 46.
- 569,011. Infants' Clothing—Namely, Diapers, Sacs, Wrappers, Bibs, and Panties. Simplifold Manufacturing Co., Inc., Los Angeles, Calif., assignor to Meyer Coblin, Los Angeles, Calif., doing business as Simplifold Mfg. Company. Filed Dec. 30, 1949, Serial No. 590,186. Published Oct. 21, 1952. Class 39.
- 569,012. Ladies' Sleeveless Button Vests. Thurman Manufacturing Company, Philadelphia, Pa. Filed Dec. 30, 1949, Serial No. 590,193. Published Oct. 21, 1952. Class 39.
- 569,013. Electric Razors. Galtier Products Company, Chicago, Ill. Filed Jan. 19, 1950, Serial No. 591,079. Published Sept. 30, 1952. Class 23.
- 569,014. Ceramic Floor and Wall Tile. Gladding, McBean & Co., Los Angeles, Calif. Filed Jan. 27, 1950, Serial No. 591,507. Published Oct. 28, 1952. Class 12.
- 569,015. Stamped Metal Ceilings: Metal Roofings of the Corrugated, Standing Seam, Non-Siphoning, and V-Crimp Types, Etc. Kluener Manufacturing Company, Dubuque, Iowa. Filed Feb. 13, 1950, Serial No. 592,373. Published Oct. 28, 1952. Class 12.
- 569,016. Canned Vegetables, Canned Fruits, Canned Seafoods, Etc. Griggs, Cooper & Company, St. Paul, Minn. Filed Feb. 15, 1950, Serial No. 592,486. Published Mar. 23, 1952. Class 46.
- 569,017. Women's Hosiery. Loveman, Berger & Teitelbaum, Inc., Nashville, Tenn. Filed Mar. 10, 1950, Serial No. 593,731. Published Oct. 21, 1952. Class 39.
- 569,018. Fertilizer in the Nature of Mixtures of Humus, Rich Black Soil, Peat, Sand, and Marl. Borchardt Fuel Co., Highland Park, Ill. Filed Mar. 25, 1950, Serial No. 594,618. Published Oct. 21, 1952. Class 10.
- 569,019. Chocolate Coated Raisins. Sun-Maid Raisin Growers of California, Fresno, Calif. Filed Apr. 7, 1950, Serial No. 595,426. Published Oct. 21, 1952. Class 46.
- 569,020. Pipe Coating and Wrapping Machines, Bending Machines, Cleaning Machines, Beveling Machines, and Pipe Supporting and Hoisting Machines. Crutcher-Rolfs-Cummings, Inc., Houston, Tex. Filed Apr. 27, 1950, Serial No. 596,395. Published Oct. 7, 1952. Class 23.
- 569,021. Pretzels. Harold Kraemer, doing business as Westchester Food Service, White Plains, N. Y. Filed Apr. 27, 1950, Serial No. 596,427. Published Oct. 21, 1952. Class 46.
- 569,022. Fertilizers. Missouri Farmers Association, Inc., Columbia, Mo. Filed May 10, 1950, Serial No. 597,219. Published Oct. 21, 1952. Class 10.
- 569,023. Mechanically Operated Packaging Machinery—Namely, Carton Feeding Machines, Etc. Pneumatic Scale Corporation, Limited, Quincy, Mass. Filed Apr. 18, 1950, Serial No. 597,863. Published Oct. 7, 1952. Class 23.
- 569,024. Wheat Flour and Coffee. Francis H. Leggett & Company, New York, N. Y. Filed May 24, 1950, Serial No. 598,024. Published Oct. 21, 1952. Class 46.
- 569,025. Oleomargarine. Standard Brands Incorporated, New York, N. Y. Filed May 26, 1950, Serial No. 598,213. Published Oct. 21, 1952. Class 46.
- 569,026. Miniature Racing Automobile and Parts Thereof. Fulton C. Robison, doing business as Micro Engineering Co., Seattle, Wash. Filed June 3, 1950, Serial No. 598,600. Published Sept. 16, 1952. Class 19.
- 569,027. Wool Rug Yarns Sold as Art Needlework Yarns. Bernhard Ulmann Co., Inc., Long Island City, N. Y. Filed June 9, 1950, Serial No. 598,874. Published July 8, 1952. Class 43.
- 569,028. Canned Unsweetened Pineapple Juice, Heavy Syrup Crushed Pineapple, Extra Heavy Syrup Pineapple Tidbits, and Extra Heavy Syrup Sliced Pineapple. Donald L. Reed and Company, Denver, Colo. Filed June 20, 1950, Serial No. 599,452. Published Mar. 18, 1952. Class 46.
- 569,029. Liquid Preparations for Combined Cleaning and Polishing of Automobiles and Furniture. The Bullseye Corporation, Woodbridge, Conn. Filed June 30, 1950, Serial No. 600,017. Published Oct. 14, 1952. Class 4.
- 569,030. Food Emulsifiers Being Surface Active Esters and Ethers of Polyhydric Alcohols Without Limiting the Generality of the Foregoing. Atlas Powder Company, Wilmington, Del. Filed July 13, 1950, Serial No. 600,715. Published Oct. 7, 1952. Class 46.
- 569,031. Seasoned Flour Preparation To Be Used as a Batter or Dry Dip for Frying Meats, Sea Food, Fowl, and for Use in Soup and Gravy. Sea Hunter Mfg. Co., Inc., Los Angeles, Calif., assignor of Wallace Lee Coon. Filed July 17, 1950, Serial No. 600,773. Published Sept. 23, 1952. Class 46.

- 569,032. Textile Fabrics in the Piece Composed of Cotton, Wool, and Synthetic Fibers, and Mixtures of the Same. N. V. J. Elias, Inc., New York, N. Y. Filed July 24, 1950, Serial No. 601,140. Published Sept. 18, 1952. Class 42.
- 569,033. Cotton Broadcloth Fabric. Brown & Ackerman, Inc., New York, N. Y. Filed July 25, 1950, Serial No. 601,195. Published Oct. 21, 1952. Class 42.
- 569,034. Antasthmatic Rectal Suppositories Containing Aminophylline. The Smith-Dorsey Company, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill., a corporation of Delaware. Filed July 27, 1950, Serial No. 601,339. Published Oct. 28, 1952. Class 18.
- 569,035. Spaghetti. Prince Macaroni Manufacturing Company, doing business under the name of Roman-Prince Macaroni Co., Lowell, Mass. Filed Aug. 4, 1950, Serial No. 601,753. Published Oct. 21, 1952. Class 46.
- 569,036. Hydraulic Power Transmission Coupling and Connected Planetary Gear Set Sold as a Unit. Twin Disc Clutch Company, Racine, Wis. Filed Aug. 8, 1950, Serial No. 601,904. Published Sept. 30, 1952. Class 23.
- 569,037. Dried Brewers' Grains Used for Cattle Feed. Farmers Feed Company, New York, N. Y. Filed Aug. 9, 1950, Serial No. 601,986. Published Oct. 21, 1952. Class 46.
- 569,038. Ladies' Stockings. Comptoir de l'Industrie Cotonniere, Société à Responsabilité Limitée, Paris, France. Filed Aug. 10, 1950, Serial No. 602,021. Published Oct. 21, 1952. Class 39.
- 569,039. Textile Fabric of Cotton, Linen, Silk, Wool, and Synthetic Fibers. Weiner & Bauer, Inc., New York, N. Y. Filed Aug. 11, 1950, Serial No. 602,115. Published May 6, 1952. Class 42.
- 569,040. Ladies' Hosiery. Millway Knitting Mill, Inc., Millway, Pa. Filed Aug. 19, 1950, Serial No. 602,464. Published Oct. 21, 1952. Class 39.
- 569,041. Cheese. C. J. Berst & Co., Appleton, Wis. Filed Aug. 31, 1950, Serial No. 602,997. Published Oct. 21, 1952. Class 46.
- 569,042. Automobile Seat Covers. The Abel Corporation, Columbus, Ohio. Filed Sept. 1, 1950, Serial No. 603,032. Published Sept. 16, 1952. Class 19.
- 569,043. Carcass Beef and Lamb. American Stores Company, Philadelphia, Pa. Filed Sept. 5, 1950, Serial No. 603,144. Published Sept. 23, 1952. Class 46.
- 569,044. Carcass Beef and Lamb. American Stores Company, Philadelphia, Pa. Filed Sept. 5, 1950, Serial No. 603,145. Published Sept. 23, 1952. Class 46.
- 569,045. Deep Fried, Cheese Flavored Potato, and Tapioca Product in Puffed Form. Adams Corporation, Korn Korla Division, Beloit, Wis. Filed Sept. 9, 1950, Serial No. 603,347. Published Oct. 7, 1952. Class 46.
- 569,046. Glass Carafes. McKee Glass Company, Jeanette, Pa., now by merger Thatcher Glass Manufacturing Company, Inc., a corporation of New York. Filed Sept. 13, 1950, Serial No. 603,488. Published Oct. 7, 1952. Class 33.
- 569,047. Scissors for Cutting the Hair and Shears for Thinning the Hair, Pen Knives, Butcher Knives, Straight Edge Razors, Razor Blades, and Hair Clippers. Morris Langhaus, doing business as Sun Ray Hair Preparation Company, New York, N. Y. Filed Sept. 19, 1950, Serial No. 603,742. Published Sept. 30, 1952. Class 23.
- 569,048. Fresh Oysters and Fresh Crab Meat. J. Franklin H. Hainsfield, trading as A. B. Harris & Company, Oxford, Md. Filed Sept. 26, 1950, Serial No. 604,117. Published Oct. 21, 1952. Class 46.
- 569,049. Automobile Bodies. Hudson Motor Car Company, Detroit, Mich. Filed Oct. 3, 1950, Serial No. 604,367. Published Sept. 16, 1952. Class 19.
- 569,050. Box Cars and Refrigeration Cars. Pressed Steel Car Company, Inc., Chicago, Ill. Filed Oct. 7, 1950, Serial No. 604,385. Published Sept. 16, 1952. Class 19.
- 569,051. Ladies' Slippers. Pearl-Preview Shoe Co., Philadelphia, Pa. Filed Oct. 20, 1950, Serial No. 605,230. Published Oct. 21, 1952. Class 39.
- 569,052. Sailing and Outboard Motor Boats and Sails. Joseph J. Sankox, doing business as Custom Hydrocraft, San Diego, Calif. Filed Oct. 21, 1950, Serial No. 605,273. Published Sept. 16, 1952. Class 19.
- 569,053. Construction Lumber and Finish Lumber. Kogap Lumber Industries, Medford, Oreg. Filed Oct. 31, 1950, Serial No. 605,669. Published Oct. 14, 1952. Class 12.
- 569,054. Products Used on the Interior and Exterior of Automobiles—Namely, Body Cleaning and Polishing Compound, Wax Polish, Metal Polish, Water Mixed Paste for Grinding Automotive Valves; and Leather Belt Softener. Permatex Company, Inc., Brooklyn and Sheepshend Bay, N. Y. Filed Nov. 9, 1950, Serial No. 606,173. Published Oct. 21, 1952. Class 4.
- 569,055. Sewing Machine Needles, Embroidering Machine Needles, Etc. Leo Lammertz, Aachen, Germany. Priority under Sec. 44(d). German Registration No. 608,611, filed May 8, 1950. Filed Nov. 2, 1950, Serial No. 606,404. Published Sept. 30, 1952. Class 23.
- 569,056. Children's Shoes Made Up of Leather, a Combination of Leather and Fabric, and a Combination of Fabric and Rubber. Herbat Shoe Manufacturing Company, Milwaukee, Wis. Filed Nov. 20, 1950, Serial No. 606,657. Published Oct. 21, 1952. Class 39.
- 569,057. Airplane Control Surfaces—Namely, Wing Flaps. Northrop Aircraft, Inc., Hawthorne, Calif. Filed Dec. 8, 1950, Serial No. 607,446. Published Sept. 23, 1952. Class 19.
- 569,058. Bird Food. John Berger, doing business under the trade name and style of Red Seal Bird Food Co., Flushing, N. Y. Filed Dec. 9, 1950, Serial No. 607,479. Published Oct. 21, 1952. Class 46.
- 569,059. Wheat Flour. Duluth Universal Milling Company, Duluth, Minn. Filed Dec. 14, 1950, Serial No. 607,664. Published June 3, 1952. Class 46.
- 569,060. Textile Goods in the Piece Made of Wool and of Mixtures of Wool With Synthetic Fibers. C. M. De Land, New York, N. Y. Filed Dec. 16, 1950, Serial No. 607,739. Published Oct. 21, 1952. Class 42.
- 569,061. Rattan Chairs, Sofas, Tables, Magazine Racks, and Stools. Cadwallader Pacific Company, Los Angeles, Calif. Filed Dec. 18, 1950, Serial No. 607,791. Published Oct. 14, 1952. Class 32.
- 569,062. Shoe Soles. Gro-Cord Rubber Company, Lima, Ohio. Filed Dec. 29, 1950, Serial No. 608,207. Published Oct. 21, 1952. Class 39.

- 569,063. Canned Vegetable Juice Cocktail, Coffee, Tea, Frozen Apricot Pie Filling, Etc. Webster-Thomson Company, Boston, Mass. Filed Jan. 4, 1951, Serial No. 608,390. Published Oct. 21, 1952. Class 46.
- 569,064. Polish for Furniture and for Varnished and Painted Surfaces. Standard Industrial Products, Inc., Evanston, Ind. Filed Jan. 17, 1951, Serial No. 608,890. Published Oct. 14, 1952. Class 4.
- 569,065. Aromatized Sachet Packets. Bourjois, Inc., New York, N. Y. Filed Feb. 2, 1951, Serial No. 609,331. Published Oct. 14, 1952. Class 51.
- 569,066. Soy Bean Flour, Kaffir Tea for Beverage Purposes, Self-Rising Oatmeal Flour, Oatmeal Bread, Wheat Germ, Brewers' Yeast, Malted Nuts, Etc. The Battle Creek Food Company, Battle Creek, Mich. Filed Feb. 13, 1951, Serial No. 610,000. Published Sept. 23, 1952. Class 46.
- 569,067. CONSOLIDATED CERTIFICATE. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa.
Trays Constructed of Fibrous Material With a Heat-Hardened Binder; and Fibrous Dust Collecting Bags for Vacuum Cleaners. Filed Nov. 8, 1950, Serial No. 606,098. Published May 6, 1952. Class 2.
Resorcinol Formaldehyde, Dextrin, Phenolic, and Vinyl Type Adhesives. Filed Nov. 8, 1950, Serial No. 606,107. Published Feb. 19, 1952. Class 5.
High Conductivity, Heat Resistant, Creep Resistant, Brazing, and Magnetic Alloys; Metal Welding Rods; Ferrous and Non-Ferrous Base Castings; Tool Steels; and Electric Contact Metals. Filed Nov. 8, 1950, Serial No. 606,100. Published Nov. 27, 1951. Class 14.
Lubricating Oils and Lubricating Greases. Filed Nov. 8, 1950, Serial No. 606,101. Published Oct. 10, 1951. Class 15.
Electrical Apparatus, Supplies and Parts Therefor—Namely, Electric Arc Lamps; Etc. Filed Oct. 26, 1950, Serial No. 605,542. Published Sept. 16, 1952. Class 21.
Mechanical Vacuum Pumps; Aircraft Engines; Gear Reduction Driving Units and Steam Turbines for Ship Propulsion Equipment; Etc. Filed Nov. 8, 1950, Serial No. 606,102. Published Mar. 25, 1952. Class 23.
Electric Ironing Machines and Parts Therefor; Laundry Washing Machines and Parts Therefor; and Clothes Dryers and Parts Therefor. Filed Nov. 8, 1950, Serial No. 606,103. Published Nov. 27, 1951. Class 24.
Electric Meters and Measuring Instruments—Namely, Electrostatic Volt-Meters; Etc. Filed Nov. 8, 1950, Serial No. 606,097. Published Dec. 4, 1951. Class 26.
Electric Commercial Refrigerators and Parts Therefor; Electric Household Refrigerators and Parts Therefor; Electric Water, Beverage and Bottle Coolers and Parts Therefor; Etc. Filed Nov. 8, 1950, Serial No. 606,104. Published Nov. 6, 1951. Class 31. Published Nov. 6, 1951. Class 31.
Heating, Lighting, and Ventilating Apparatus, Etc. Filed Nov. 8, 1950, Serial No. 606,105. Published Sept. 25, 1951. Class 34.
X-Ray Apparatus and Parts Therefor for Diagnostic, Therapeutic, and Surgical Uses and Therapeutic Lamps. Filed Nov. 8, 1950, Serial No. 606,106. Published Oct. 9, 1951. Class 44.
- 569,068. Dry Cleaning Detergent. The Fry Brothers Co., Cincinnati, Ohio. Filed Feb. 13, 1951, Serial No. 610,009. Published Oct. 21, 1952. Class 52.
- 569,069. Leather Top Lifts for Shoes. United Leather Shoe Trimmings Company, Boston, Mass. Filed Feb. 15, 1951, Serial No. 610,151. Published Oct. 21, 1952. Class 39.
- 569,070. Adsorptive Carbons Used for Water Purification. Atlas Powder Company, Wilmington, Del. Filed Feb. 23, 1951, Serial No. 610,406. Published Oct. 28, 1952. Class 6.
- 569,071. Sudsing Cleaner, Cleanser, and Detergent. Colgate-Palmolive-Peet Company, Jersey City, N. J. Filed Feb. 23, 1951, Serial No. 610,411. Published Oct. 21, 1952. Class 52.
- 569,072. Technical and Promotional Bulletin and Literature Published From Time to Time. Rail Steel Bar Association, Chicago, Ill. Filed Feb. 28, 1951, Serial No. 610,633. Published Oct. 14, 1952. Class 38.
- 569,073. Girl's Outer Shirts and Head Scarves. Girl Scouts of the United States of America, New York, N. Y. Filed Mar. 1, 1951, Serial No. 610,663. Published Oct. 21, 1952. Class 39.
- 569,074. Grease-Proof, Moisture-Proof, Vapor-Proof, and Liquid-Tight Bags, Pouch-Like Receptacles, and Liners for Barrels, Drums, Cartons, and Cases, Etc. William Thomas, South River, N. J. Filed Mar. 7, 1951, Serial No. 611,001. Published Oct. 21, 1952. Class 2.
- 569,075. Cigarettes and Smoking Tobacco. Fleming-Hall Tobacco Co., Inc., New York, N. Y. Filed Feb. 27, 1951, Serial No. 611,066. Published Oct. 7, 1952. Class 17.
- 569,076. Dairy Products—Namely, Half Cream and Half Milk. Knudsen Creamery Co. of California, Los Angeles, Calif. Filed Mar. 16, 1951, Serial No. 611,434. Published Sept. 23, 1952. Class 46.
- 569,077. Dishes—Namely, Dishes, Plates, Cups, and Saucers Made of Earthenware. Stetson China Co., Inc., Lincoln, Ill. Filed Mar. 20, 1951, Serial No. 611,566. Published Sept. 23, 1952. Class 30.
- 569,078. Weekly Magazine Distributed as a Section of a Newspaper. The Post Printing and Publishing Company, Denver, Colo. Filed Mar. 28, 1951, Serial No. 611,915. Published Sept. 30, 1952. Class 38.
- 569,079. Janitors' Detergent Cleaners, Rug Shampoos, Soaps, Wax Removers, Liquid Soap, Mechanics' Hand Soap, Quaternary Ammonium Detergents, Surgical Hand Soaps, and Detergent Soaps. National Industries Corporation, Newark, N. J. Filed Mar. 29, 1951, Serial No. 611,963. Published Oct. 21, 1952. Class 52.
- 569,080. Potatoes and Onions in Their Natural State. Hansche Produce Company, Racine, Wis. Filed Apr. 3, 1951, Serial No. 612,166. Published Oct. 7, 1952. Class 46.
- 569,081. Hair Milk and Scalp Conditioner, a Face Cream, and a Preparation for Removing Dandruff From the Scalp. Alma Products Company, San Francisco, Calif. Filed Apr. 5, 1951, Serial No. 612,232. Published Oct. 14, 1952. Class 51.
- 569,082. Tablets for Making Medicinal Mouth Wash Solution. Baray Pharmacal Corporation, Brooklyn, N. Y. Filed Apr. 6, 1951, Serial No. 612,295. Published Sept. 30, 1952. Class 18.
- 569,083. Hoists—Namely, Hydraulic Direct-Lift, Arm-Type, Cam and Roller, and Telescopic Hoists, and Mechanical Hoists for Truck Bodies. Gar Wood Industries, Inc., Wayne, Mich. Filed Apr. 7, 1951, Serial No. 612,370. Published Sept. 30, 1952. Class 23.
- 569,084. Window Sash, Window Frames, Window Molding, Multiple Glazed Windows and Doors and Structural Components Thereof, Panels and Panel Molding. Reuben E. Ottenheimer, Baltimore, Md. Filed Apr. 17, 1951, Serial No. 612,756. Published Oct. 28, 1952. Class 12.

- 569,085. Olecloth. Columbus Coated Fabric Corporation, Columbus, Ohio. Filed Apr. 18, 1951, Serial No. 612,791. Published Oct. 7, 1952. Class 20.
- 569,086. Food Products—Namely, Potato Chips, Being Sliced Potatoes, With Salt Added, Fried in Oil; Etc. William W. Dickey, doing business under the trade name and style of Dickey's Potato Chip Co., New Orleans, La. Filed Apr. 24, 1951, Serial No. 613,053. Published Oct. 21, 1952. Class 46.
- 569,087. Farm Produce—Namely, Potatoes in the Raw State. Darius D. Buell, doing business under the name Buell Farm, Elmira, Mich. Filed May 3, 1951, Serial No. 613,437. Published Oct. 21, 1952. Class 46.
- 569,088. Soyflour Composition Intended Primarily for Use in Meat Preparations. A. E. Staley Manufacturing Company, Decatur, Ill. Filed May 10, 1951, Serial No. 613,739. Published Oct. 21, 1952. Class 46.
- 569,089. Bakery Goods—Namely, Bread, Cakes, and Pies. The E. H. Koester Bakery Company, Baltimore, Md. Filed May 16, 1951, Serial No. 613,920. Published Sept. 23, 1952. Class 46.
- 569,090. Bakery Goods—Namely, Bread, Cakes, and Pies. The E. H. Koester Bakery Company, Baltimore, Md. Filed May 16, 1951, Serial No. 613,921. Published Sept. 23, 1952. Class 46.
- 569,091. Canned Baked Beans. Burnham & Morrill Company, Portland, Maine. Filed May 22, 1951, Serial No. 614,106. Published Oct. 21, 1952. Class 46.
- 569,092. Phosphatizing Paint-Preparatory Wash for Metal Surfaces. The Du Bois Company, Cincinnati, Ohio, assignor to The Du Bois Co., Inc., a corporation of California. Filed May 23, 1951, Serial No. 614,244. Published Oct. 14, 1952. Class 52.
- 569,093. Preparation for Animal Feed Supplementation. E. R. Squibb & Sons, New York, N. Y. Filed May 23, 1951, Serial No. 614,267. Published Oct. 28, 1952. Class 18.
- 569,094. Ladies' Corsets, Girdles, Foundation Garments, Corsetlets, Brasieres, Bathing Suits, and Shoes Made of Leather and a Combination of Leather, and a Combination of Leather and Fabric. Tru Balance Corsets, Inc., New York, N. Y. Filed June 2, 1951, Serial No. 614,673. Published Oct. 21, 1952. Class 39.
- 569,095. Hair Waving Shampoo. Marlene's, Inc., Chicago, Ill. Filed June 7, 1951, Serial No. 614,884. Published Oct. 21, 1952. Class 52.
- 569,096. Baked Apples, Cherries, Citron, Cranberry Sauce, Etc. The Hills Brothers Company, New York, N. Y. Filed June 12, 1951, Serial No. 615,064. Published Oct. 21, 1952. Class 46.
- 569,097. Baked Apples, Cherries, Citron, Cranberry Sauce, Etc. The Hills Brothers Company, New York, N. Y. Filed June 12, 1951, Serial No. 615,065. Published Oct. 21, 1952. Class 46.
- 569,098. Laminated, Flexible, Metallic-Netting-Reinforced Building Paper. Flex-O-Glass, Inc., doing business as Warp Brothers, Chicago, Ill. Filed June 19, 1951, Serial No. 615,379. Published Oct. 28, 1952. Class 12.
- 569,099. Dehydrated Food Product Consisting of Powdered Apple Purée Combined With Malted Wheat Flour, Sugar, and Milk, With Vitamins A, B, and D Added (Not Containing Corn Starch or Corn Flour). The Nestlé Company, Inc., White Plains, N. Y. Filed June 19, 1951, Serial No. 615,393. Published Oct. 7, 1952. Class 46.
- 569,100. Hair Oil Pomade, Hair Tonic, Face Lotion, Shave Cream, Lillac Water, Pressing Oil for the Hair, and Liquid Cream Oil. The Olivo Co., Inc., Philadelphia, Pa. Filed June 25, 1951, Serial No. 615,654. Published Oct. 7, 1952. Class 51.
- 569,101. Tomato Paste. John J. Pieri, executor of the estate of Joseph G. Pieri, deceased, doing business as J. G. Pieri Company and also as Bestaste Products Company, Buffalo, N. Y. Filed June 30, 1951, Serial No. 615,944. Published Sept. 23, 1952. Class 46.
- 569,102. Drinking Glasses. Bernad Creations, Ltd., Mount Vernon, N. Y. Filed July 18, 1951, Serial No. 616,621. Published Sept. 23, 1952. Class 33.
- 569,103. Shell and Frozen Eggs. Stuelpaegel's Inc., Yankton, S. Dak. Filed July 18, 1951, Serial No. 616,650. Published Sept. 23, 1952. Class 46.
- 569,104. Coal Tar Pitch Emulsion Used as a Protective Coating on Pavements, Runways, Pipes, Etc. Lancaster Chemical Corporation, New York, N. Y. Filed July 20, 1951, Serial No. 616,713. Published Oct. 14, 1952. Class 16.
- 569,105. Mattresses and Box Springs. Sealy, Incorporated, Chicago, Ill. Filed July 24, 1951, Serial No. 616,874. Published Oct. 14, 1952. Class 32.
- 569,106. Automatic Self-Buckling Riveter. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Aug. 8, 1951, Serial No. 617,442. Published Sept. 16, 1952. Class 23.
- 569,107. Medicinal Preparations—Namely, Aspirin, Mineral Oil, Rubbing Alcohol Compound, Epsom Salt, Etc. National Package Drugs, Inc., St. Louis, Mo. Filed Aug. 8, 1951, Serial No. 617,456. Published Sept. 30, 1952. Class 18.
- 569,108. Medicinal Bitters and Stomachic Tonics. S. A. Felles Bieleri & Co., Milan, Italy. Filed Aug. 8, 1951, Serial No. 617,461. Published Sept. 30, 1952. Class 18.
- 569,109. Articles of Furniture—Namely, Tables, Desks, Seats, Chairs, Stools, Couches, Sofas, Beds, Chests, Cabinets, and Trays. Knoll Associates, Inc., New York, N. Y. Filed Aug. 9, 1951, Serial No. 617,502. Published Oct. 28, 1952. Class 32.
- 569,110. Cigarettes. P. Lorillard Company, New York, N. Y. Filed Aug. 9, 1951, Serial No. 617,508. Published Oct. 14, 1952. Class 17.
- 569,111. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y. Filed Aug. 13, 1951, Serial No. 617,606. Published Oct. 7, 1952. Class 51.
- 569,112. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y. Filed Aug. 13, 1951, Serial No. 617,607. Published Oct. 7, 1952. Class 51.
- 569,113. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y. Filed Aug. 13, 1951, Serial No. 617,608. Published Oct. 7, 1952. Class 51.

- 569,114. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y. Filed Aug. 13, 1951, Serial No. 617,609. Published Oct. 7, 1952. Class 51.
- 569,115. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich, Incorporated, New York, N. Y. Filed Aug. 13, 1951, Serial No. 617,614. Published Oct. 21, 1952. Class 52.
- 569,116. Fresh Apples. Dixie Advertiser, Jackson, Miss. Filed Aug. 14, 1951, Serial No. 617,651. Published Oct. 14, 1952. Class 46.
- 569,117. Candy—Namely, Fudge. Harold E. May, doing business as May's Candy Shop, Mackinac Island, Mich. Filed Aug. 15, 1951, Serial No. 617,719. Published Oct. 21, 1952. Class 46.
- 569,118. Brassieres. The H. W. Gosard Co., Chicago, Ill. Filed Aug. 16, 1951, Serial No. 617,754. Published Oct. 21, 1952. Class 39.
- 569,119. Explosive Cartridges for Producing Fire Alarm Audible Signals. Harry P. Steininger, Detroit, Mich. Filed Aug. 17, 1951, Serial No. 617,822. Published Oct. 14, 1952. Class 9.
- 569,120. Pamphlets and Booklets Issued From Time to Time Dealing With the Life of and Times of Martha Jane Cannary Burke, Popularly Known as "Calamity Jane." Donald Barry Productions, Inc., Los Angeles, Calif. Filed Aug. 20, 1951, Serial No. 617,856. Published Oct. 14, 1952. Class 38.
- 569,121. Pot-Holders. Carl C. Wilm, trading as The Magnex-Denver Company, Denver, Colo. Filed Aug. 20, 1951, Serial No. 617,898. Published Oct. 21, 1952. Class 42.
- 569,122. Raw Popcorn, Impregnated With Vegetable Oil. Popcorn Products Corporation, Milwaukee, Wis. Filed Aug. 23, 1951, Serial No. 618,008. Published Oct. 21, 1952. Class 46.
- 569,123. Frozen Fish. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Aug. 27, 1951, Serial No. 618,129. Published Oct. 7, 1952. Class 46.
- 569,124. Quarried Granite, Marble, Onyx and Stone Cut in Aggregate, Slabs, Blocks, Tiles, and Other Shapes and Suitable for Immediate Use for Construction Purposes for Walls, Floors, and Other Parts of Buildings, Monuments, and Other Structures. International Granite & Marble Corp., New York, N. Y. Filed Aug. 28, 1951, Serial No. 618,168. Published Oct. 14, 1952. Class 12.
- 569,125. Collapsible Paper Cartons. Marathon Corporation, Rothschild, Wis. Filed Aug. 28, 1951, Serial No. 618,174. Published Oct. 14, 1952. Class 2.
- 569,126. Ladies' and Misses' Hosiery. Armstrong-Hibbetts & Co., Inc., Clovis, N. Mex. Filed Aug. 30, 1951, Serial No. 618,226. Published Oct. 21, 1952. Class 39.
- 569,127. Sweaters and Hosiery for Men, Women, and Boys. Hallantyne of Peebles, Incorporated, New York, N. Y. Filed Sept. 4, 1951, Serial No. 618,336. Published Oct. 21, 1952. Class 39.
- 569,128. Periodical Publication Section. The Irving-Cloud Publishing Company, Chicago, Ill. Filed Aug. 1, 1951, Serial No. 618,432. Published Oct. 14, 1952. Class 38.
- 569,129. Mechanical Dispensers for Paper Napkins and Paper Towels. Alwin Manufacturing Company, Green Bay, Wis. Filed Sept. 8, 1951, Serial No. 618,523. Published Sept. 16, 1952. Class 23.
- 569,130. Olives, Fruit Preserves, Jams, Jellies, and Peanut Butter. Griggs, Cooper & Company, St. Paul, Minn. Filed Sept. 10, 1951, Serial No. 618,903. Published Oct. 7, 1952. Class 40.
- 569,131. Merchandising Display and Storage Cabinet. Kentile, Inc., Brooklyn, N. Y. Filed Sept. 21, 1951, Serial No. 619,087. Published Oct. 14, 1952. Class 32.
- 569,132. Italian Style Naked Goods—To Wit, Pixxa Pies. Michael B. Maun, Jersey City, N. J. Filed Sept. 26, 1951, Serial No. 619,252. Published Oct. 21, 1952. Class 46.
- 569,133. Candy. Candy Crafters, Inc., Lansdowne, Pa. Filed Sept. 29, 1951, Serial No. 619,382. Published Oct. 21, 1952. Class 46.
- 569,134. Peanut Butter: Mayonnaise: Sandwich Spread Containing Edible Vegetable Oil, Etc. Southeastern Foods, Inc., Brundidge, Ala. Filed Oct. 2, 1951, Serial No. 619,522. Published Sept. 23, 1952. Class 46.
- 569,135. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C. Filed Oct. 3, 1951, Serial No. 619,533. Published Oct. 21, 1952. Class 39.
- 569,136. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J. Filed Oct. 5, 1951, Serial No. 619,617. Published June 10, 1952. Class 42.
- 569,137. Cheese. Frank Cappiello, Schenectady, N. Y. Filed Oct. 9, 1951, Serial No. 619,737. Published Oct. 7, 1952. Class 46.
- 569,138. Dresses, House-dresses, Aprons, and Pajamas for Women, Misses, and Children. Modern Manufacturing Co. Inc., New York, N. Y. Filed Oct. 10, 1951, Serial No. 619,844. Published Oct. 21, 1952. Class 39.
- 569,139. Periodical Publication. Rice Barton Corporation, Worcester, Mass. Filed Oct. 12, 1951, Serial No. 619,916. Published Oct. 14, 1952. Class 38.
- 569,140. Catalyst Used in the Catalytic Reforming of Hydrocarbons. The Davison Chemical Corporation, Baltimore, Md. Filed Oct. 16, 1951, Serial No. 620,024. Published Oct. 21, 1952. Class 6.
- 569,141. Animal Feeds Containing Molasses and Urea and Used for Ruminants. Feed Service Corporation, Crete, Nebr. Filed Oct. 17, 1951, Serial No. 620,096. Published Oct. 21, 1952. Class 46.
- 569,142. Liquid Detergent Preparation, Having Incidental Polishing Qualities, for Removing Spots and Stains From Varnished Surfaces. Marshall's Research Corporation, Tacoma, Wash. Filed Oct. 18, 1951, Serial No. 620,162. Published Oct. 21, 1952. Class 4.
- 569,143. Anticonvulsants. Imperial Chemical (Pharmaceuticals) Limited, Millbank, London, England, assignor to American Home Products Corporation, New York, N. Y., a corporation of Delaware. Filed Oct. 19, 1951, Serial No. 620,216. Published Oct. 28, 1952. Class 18.
- 569,144. Air Compressors. Ritter Company, Inc., Rochester, N. Y. Filed Oct. 20, 1951, Serial No. 620,325. Published Sept. 30, 1952. Class 23.
- 569,145. Bottled Fluid Preparation for Stimulating the Appetite, and Containing Specified Amounts of Such Ingredients as Gentian Fluid Extract and Alcohol. Edward Fletcher Harrows, doing business as Basic Remedies, Monmouth, Oreg. Filed Oct. 30, 1951, Serial No. 620,659. Published Oct. 28, 1952. Class 18.

- 569,146. Firecrackers. Balfour, Guthrie & Co., Limited, San Francisco, Calif. Filed Nov. 7, 1951, Serial No. 620,950. Published Oct. 21, 1952. Class 9.
- 569,147. Children's Books. Robert J. Moore, Spokane, Wash. Filed Nov. 13, 1951, Serial No. 621,160. Published Oct. 14, 1952. Class 38.
- 569,148. Candy. Leaf Brands, Inc., doing business under the name and style of Overland Candy Co., Chicago, Ill. Filed Nov. 15, 1951, Serial No. 621,271. Published Sept. 9, 1952. Class 46.
- 569,149. Powdered Food Formula for Infant Feeding. Wyeth Incorporated, Philadelphia, Pa. Filed Nov. 15, 1951, Serial No. 621,296. Published Sept. 23, 1952. Class 46.
- 569,150. Corda and Cordage. Naamloze Vennootschap Kunstzijdespinnerij Nyma, Nijmegen, Netherlands. Filed Nov. 19, 1951, Serial No. 621,411. Published Oct. 21, 1952. Class 7.
- 569,151. Dyes, and Intermediate Chemicals for Use in Combination With Other Chemicals To Produce a Final Dye Product. Pharma Chemical Corporation, New York, N. Y., and Bayonne, N. J. Filed Nov. 19, 1951, Serial No. 621,419. Published Oct. 28, 1952. Class 6.
- 569,152. Anticonvulsant. American Cyanamid Company, New York, N. Y. Filed Nov. 21, 1951, Serial No. 621,493. Published Sept. 30, 1952. Class 18.
- 569,153. Preparation for the Treatment of Anemia. Moffet Laboratories, Inc., Dayton, Ohio. Filed Nov. 24, 1951, Serial No. 621,630. Published Sept. 30, 1952. Class 18.
- 569,154. Bust Pads. Maiden Form Brassiere Co., Inc., New York, N. Y. Filed Nov. 29, 1951, Serial No. 621,831. Published Aug. 26, 1952. Class 40.
- 569,155. Sulphur Compound in Suspension for the Relief of Local Pains. Coastal Laboratories, Inc., Miami, Fla. Filed Nov. 30, 1951, Serial No. 621,867. Published Oct. 28, 1952. Class 18.
- 569,156. Preparation of a Steroid Used as a Metabolic Stimulant. O. W. Carnrick Co., Newark, N. J. Filed Dec. 1, 1951, Serial No. 621,942. Published Sept. 30, 1952. Class 18.
- 569,157. Fresh Deciduous Fruits and Fresh Grapes. Fred Batkin, Jr., doing business as Smith Mountain Ranch, Dinuba, Calif. Filed Dec. 4, 1951, Serial No. 622,063. Published Sept. 23, 1952. Class 46.
- 569,158. Candy. Fabrique de Chocolat et de Produits Alimentaires de Villars, Société Anonyme, Fribourg, Switzerland. Filed Dec. 6, 1951, Serial No. 622,153. Published Oct. 14, 1952. Class 46.
- 569,159. Men's Shoes Made Wholly or in Part of Leather. The Associated Merchandising Corporation, New York, N. Y. Filed Dec. 7, 1951, Serial No. 622,192. Published Oct. 21, 1952. Class 30.
- 569,160. Comic Strips Published in Daily Newspapers. NEA Service, Inc., Cleveland, Ohio. Filed Dec. 7, 1951, Serial No. 622,220. Published Oct. 14, 1952. Class 38.
- 569,161. Dibenzylethylenediamine Dipenicillin. Wyeth Incorporated, Philadelphia, Pa. Filed Dec. 13, 1951, Serial No. 622,473. Published Oct. 28, 1952. Class 18.
- 569,162. Plaster and Concrete Aggregate. Zonolite Company, Chicago, Ill. Filed Dec. 13, 1951, Serial No. 622,475. Published Oct. 28, 1952. Class 12.
- 569,163. Sulphurated Ointment Primarily Intended for Use in the Treatment of Various Skin and Scalp Conditions. The Denver Chemical Manufacturing Company, New York, N. Y. Filed Dec. 14, 1951, Serial No. 622,483. Published Oct. 28, 1952. Class 18.
- 569,164. Carbide Cutting Tools—Namely, Cutting Tips and Inserts, and Tool Holders for Machine Tools. Kennametal Inc., Latrobe, Pa. Filed Dec. 14, 1951, Serial No. 622,501. Published Sept. 10, 1952. Class 23.
- 569,165. Potatoes in Their Raw State. Frank R. Shaw, Presque Isle, Maine. Filed Dec. 17, 1951, Serial No. 622,626. Published Oct. 21, 1952. Class 46.
- 569,166. China Dinnerware, Bowls, and Plates. Southern Potteries, Inc., Erwin, Tenn. Filed Dec. 20, 1951, Serial No. 622,729. Published Sept. 23, 1952. Class 30.
- 569,167. China Dinnerware, Bowls, and Plates. Southern Potteries, Inc., Erwin, Tenn. Filed Dec. 20, 1951, Serial No. 622,730. Published Sept. 23, 1952. Class 30.
- 569,168. Nail Enamel and Lipstick. Revlon Products Corporation, New York, N. Y. Filed Dec. 26, 1951, Serial No. 622,847. Published Oct. 7, 1952. Class 51.
- 569,169. Prefabricated Building Structures for Commercial, Industrial, Agricultural, or Domestic Housing Use. James T. Williams, doing business under the fictitious name and style of Beautilly Precut Structures Company, Rocklin, Calif. Filed Dec. 28, 1951, Serial No. 622,966. Published Oct. 14, 1952. Class 12.
- 569,170. Western Jeans for Women, Boys, and Girls; Men's Waist Overalls Made of Denim; Men's Bib Overalls; and Men's Coveralls. Zion's Cooperative Mercantile Institution, Salt Lake City, Utah. Filed Jan. 2, 1952, Serial No. 623,099. Published Oct. 21, 1952. Class 30.
- 569,171. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C. Filed Jan. 3, 1952, Serial No. 623,235. Published Sept. 30, 1952. Class 39.
- 569,172. Periodicals. The Colony Broadcasting Corporation, New Haven, Conn. Filed Jan. 5, 1952, Serial No. 623,238. Published Oct. 14, 1952. Class 38.
- 569,173. Rubber Composition Shoe Soles. United States Rubber Company, New York, N. Y. Filed Jan. 5, 1952, Serial No. 623,264. Published Oct. 21, 1952. Class 39.
- 569,174. Hand-Operable, Motor-Driven Snow Plow for Use on Sidewalks, Parking Lots, and Other Limited Areas. The Bready Tractor and Implement Company, Solon, Ohio. Filed Jan. 9, 1952, Serial No. 623,332. Published Sept. 30, 1952. Class 23.
- 569,175. "Hardboard," a Product Composed of Deffiberized Wood Held Together by a Natural or Synthetic Binder, and Used as a Building and Industrial Material. Cascades Plywood Corporation, Portland, Oreg. Filed Jan. 9, 1952, Serial No. 623,336. Published Oct. 14, 1952. Class 12.
- 569,176. Ladies' and Children's Slipper Socks. Alex Lee Wallau, Inc., New York, N. Y. Filed Jan. 10, 1952, Serial No. 623,443. Published Oct. 21, 1952. Class 30.

- 569,177. Periodical, More Specifically a Monthly Publication. Air Facts, Inc., New York, N. Y.
Filed Jan. 11, 1952, Serial No. 623,447. Published Oct. 14, 1952. Class 38.
- 569,178. Boys' and Girls' Shoes. Morris Glick, trading under the name David Shoe Company, Philadelphia, Pa.
Filed Jan. 11, 1952, Serial No. 623,458. Published Oct. 21, 1952. Class 39.
- 569,179. German Style Mustard. Inglehoffer Foods Inc., Pasadena, Calif.
Filed Jan. 12, 1952, Serial No. 623,513. Published Sept. 23, 1952. Class 46.
- 569,180. Watches. The Shaw-Rogers Company, Akron, Ohio.
Filed Jan. 17, 1952, Serial No. 623,736. Published Sept. 30, 1952. Class 27.
- 569,181. Medicated Liquid Skin Cream for Relieving Itching and To Assist in Healing of the Skin. Virgil Edgar Meadows, Bronxville, N. Y.
Filed Jan. 22, 1952, Serial No. 623,898. Published Oct. 28, 1952. Class 18.
- 569,182. Soil Additives—Namely, Fertilizers and Soil Conditioning Agents. Monsanto Chemical Company, St. Louis, Mo.
Filed Jan. 24, 1952, Serial No. 624,044. Published Oct. 14, 1952. Class 10.
- 569,183. Soil Additives—Namely, Fertilizers and Soil Conditioning Agents. Monsanto Chemical Company, St. Louis, Mo.
Filed Jan. 24, 1952, Serial No. 624,046. Published Oct. 14, 1952. Class 10.
- 569,184. Tanks (Not Being Parts of Vehicles) Made of Flexible Non-Metallic Material for Containing Liquids. Marston Excelsior Limited, London, England.
Filed Jan. 30, 1952, Serial No. 624,280. Published Oct. 21, 1952. Class 2.
- 569,185. Mixture Having Plant Nutritional Properties for Use in Sprays or as Dust Applications. Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Filed Jan. 30, 1952, Serial No. 624,317. Published Oct. 14, 1952. Class 10.
- 569,186. Dried and Powdered Cows' Milk Cream for General Table and Culinary Uses. M & R Dietetic Laboratories, Inc., doing business as Ten-B-Low Company, Columbus, Ohio.
Filed Jan. 31, 1952, Serial No. 624,344. Published June 24, 1952. Class 46.
- 569,187. Stemming Device—Namely, a Tamping Plug for Sealing Explosive-Filled Bore-Holes Preparatory to Detonation. Quick-Seal Products, Inc., Herndon, Pa.
Filed Feb. 4, 1952, Serial No. 624,501. Published Oct. 21, 1952. Class 9.
- 569,188. Ladies' and Misses' Shoes. Modiate Shoes, Inc., New York, N. Y.
Filed Feb. 5, 1952, Serial No. 624,558. Published Oct. 21, 1952. Class 39.
- 569,189. Trading Stamps Sold as Such and for Books of Trading Stamps. Northern Premium Stamp Company, Portland, Oreg.
Filed Feb. 5, 1952, Serial No. 624,564. Published Oct. 7, 1952. Class 38.
- 569,190. Watches. Benrus Watch Company, Inc., New York, N. Y.
Filed Feb. 12, 1952, Serial No. 624,811. Published July 1, 1952. Class 27.
- 569,191. China and Earthenware Plates, Saucers, Cups, and Salt and Pepper Shakers. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed Feb. 12, 1952, Serial No. 624,823. Published Sept. 30, 1952. Class 30.
- 569,192. Men's and Women's Shoes, Sandals, and Slippers. John Flautt Shoe Co., Inc., Lynn, Mass.
Filed Feb. 13, 1952, Serial No. 624,881. Published Oct. 21, 1952. Class 39.
- 569,193. Women's Coats and Suits. Edelson & Sons, Inc., Philadelphia, Pa., and New York, N. Y.
Filed Feb. 16, 1952, Serial No. 625,062. Published Oct. 21, 1952. Class 39.
- 569,194. Soap. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,167. Published Oct. 21, 1952. Class 52.
- 569,195. Plant and Vegetable Fertilizer. Norman S. Wright and Company, Limited, Toronto, Ontario, Canada.
Filed Feb. 18, 1952, Serial No. 625,179. Published Oct. 14, 1952. Class 10.
- 569,196. Publication Issued Approximately Nine Times Each Year, or Once Each Month While Congress Is in Session. William D. Cabell, Chappaqua, N. Y.
Filed Feb. 21, 1952, Serial No. 625,330. Published Sept. 30, 1952. Class 38.
- 569,197. Ladies', Misses', and Girls' Sportswear—Namely, Blouses, Skirts, Jackets, Dresses, Jumpers, and Halteres. Kitty Lane Blouse Co., Inc., New York, N. Y.
Filed Feb. 21, 1952, Serial No. 625,356. Published Oct. 21, 1952. Class 39.
- 569,198. Fresh Citrus Fruits, Fresh Vegetables, and Grapes. Hall, Haas & Veasey, Ltd., Los Angeles, Calif.
Filed Feb. 23, 1952, Serial No. 625,419. Published Sept. 23, 1952. Class 46.
- 569,199. Ladies' Coats and Suits. Courtshire Fashions, Inc., New York, N. Y.
Filed Feb. 29, 1952, Serial No. 625,717. Published Oct. 21, 1952. Class 39.
- 569,200. Ladies' and Misses' Girdles, Panty Girdles, and Corsets and Brasieres. Nimfees, Inc., New York, N. Y.
Filed Feb. 29, 1952, Serial No. 625,754. Published Oct. 21, 1952. Class 39.
- 569,201. Ladies' Shoes Made of Leather, of Rubber, of Fabric, and of Combinations Thereof. Palter De Liso, Inc., New York, N. Y.
Filed Feb. 29, 1952, Serial No. 625,755. Published Oct. 21, 1952. Class 39.
- 569,202. Candy. Price Candy Company, Kansas City, Mo.
Filed Feb. 29, 1952, Serial No. 625,756. Published Oct. 21, 1952. Class 46.
- 569,203. Dermatological Preparation. White Laboratories, Inc., Kenilworth, N. J.
Filed Mar. 1, 1952, Serial No. 625,839. Published Oct. 28, 1952. Class 18.
- 569,204. Oro-Mucosal Analgesic Preparation. White Laboratories, Inc., Kenilworth, N. J.
Filed Mar. 1, 1952, Serial No. 625,840. Published Oct. 28, 1952. Class 18.
- 569,205. Dog Food. Orleans Canning Company, Chicago, Ill.
Filed Mar. 6, 1952, Serial No. 626,044. Published Oct. 21, 1952. Class 46.
- 569,206. Oral Pharmaceutical Preparation Indicated in Treating Coronary and Asthmatic Conditions. The S. E. Massengill Company, Bristol, Tenn.
Filed Mar. 7, 1952, Serial No. 626,094. Published Oct. 28, 1952. Class 18.
- 569,207. Publications Issued From Time to Time Devoted to Presenting New Plastic Articles of Manufacture and New Designs for Plastic Articles of Manufacture. Monsanto Chemical Company, St. Louis, Mo.
Filed Mar. 7, 1952, Serial No. 626,103. Published Oct. 14, 1952. Class 38.
- 569,208. Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Women, Misses, and Children. A. Sandler Co., Boston, Mass.
Filed Mar. 7, 1952, Serial No. 626,122. Published Oct. 21, 1952. Class 39.

- 569,209. Fresh Vegetables. Western Packing Company, Guadalupe, Calif.
Filed Mar. 7, 1952, Serial No. 626,127. Published Oct. 21, 1952. Class 46.
- 569,210. Ladies' and Men's Wrist Watches, Pocket Watches, and Household Clocks and Clocks for Personal Use. Henry Coehier Co., Inc., New York, N. Y.
Filed Mar. 8, 1952, Serial No. 626,150. Published Sept. 30, 1952. Class 27.
- 569,211. Concentrated Vegetable Preparation for Making Instant Consomme and Seasoning Gravies, Sauces, Soups, Soup-Stock, and Stews. Gravymaster Company, Inc., Long Island City, N. Y.
Filed Mar. 8, 1952, Serial No. 626,162. Published Oct. 21, 1952. Class 46.
- 569,212. Candy. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed Mar. 8, 1952, Serial No. 626,163. Published Oct. 21, 1952. Class 46.
- 569,213. Hosiery for Men, Women, Boys, or Girls. Tean-Rock Hosiery Co., McMinnville, Tenn.
Filed Mar. 8, 1952, Serial No. 626,181. Published Oct. 21, 1952. Class 39.
- 569,214. Women's Suits. Lilli Ann Corp., San Francisco, Calif.
Filed Mar. 10, 1952, Serial No. 626,210. Published Oct. 21, 1952. Class 39.
- 569,215. House Slippers for Men, Women, and Children. S. Goldberg & Co. Inc., Hackensack, N. J.
Filed Mar. 11, 1952, Serial No. 626,241. Published Oct. 21, 1952. Class 39.
- 569,216. Knitted and Woven Wearing Apparel for Women and Children—Namely, Sweaters, Suits, and Dresses. Hecht & Blern Inc., New York, N. Y.
Filed Mar. 11, 1952, Serial No. 626,247. Published Oct. 21, 1952. Class 39.
- 569,217. Women's Shoes. Apt Shoe Mfg. Co., Boston, Mass.
Filed Mar. 6, 1952, Serial No. 626,288. Published Oct. 21, 1952. Class 39.
- 569,218. Ladies' and Misses' Outerwear—Namely, Coats, Suits, Jackets, and Skirts. Leeda Ltd. Coats, Inc., New York, N. Y.
Filed Mar. 12, 1952, Serial No. 626,331. Published Oct. 21, 1952. Class 39.
- 569,219. Smoking Tobacco and Cigarettes. Larus & Brother Company, Richmond, Va.
Filed Mar. 14, 1952, Serial No. 626,464. Published Oct. 7, 1952. Class 17.
- 569,220. Therapeutic Substance Useful in Counteracting Certain Undesirable Effects (Particularly Respiratory Depression) Induced by Natural and Synthetic Narcotic Drugs. Merck & Co., Inc., Rahway, N. J.
Filed Mar. 14, 1952, Serial No. 626,466. Published Oct. 28, 1952. Class 18.
- 569,221. Ladies' and Misses' Hose. Plee-Zing, Inc., Evanston, Ill.
Filed Mar. 14, 1952, Serial No. 626,470. Published Oct. 21, 1952. Class 39.
- 569,222. Mixture of Mineral for Enriching the Soil. Morgan & Bush, Inc., Bakersfield, Calif.
Filed Mar. 15, 1952, Serial No. 626,524. Published Oct. 14, 1952. Class 10.
- 569,223. Daily and Sunday Comic Strip. The McNaught Syndicate, Inc., New York, N. Y.
Filed Mar. 18, 1952, Serial No. 626,632. Published Oct. 14, 1952. Class 38.
- 569,224. Ash Recyclers. Pax Products, Inc., Brooklyn, N. Y.
Filed Mar. 20, 1952, Serial No. 626,745. Published Oct. 7, 1952. Class 8.
- 569,225. Explosive—Namely, Dynamite. American Cyanamid Company, New York, N. Y.
Filed Mar. 21, 1952, Serial No. 626,774. Published Oct. 14, 1952. Class 9.
- 569,226. Processed Wheat, Grain Food. The Pilaf Company of California, Redwood City, Calif.
Filed Mar. 21, 1952, Serial No. 626,823. Published Oct. 21, 1952. Class 46.
- 569,227. Smoking Tobaccos. United States Tobacco Company, New York, N. Y.
Filed Mar. 8, 1952, Serial No. 626,842. Published Oct. 14, 1952. Class 17.
- 569,228. Canned Shad. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Mar. 23, 1952, Serial No. 626,980. Published Oct. 21, 1952. Class 46.
- 569,229. Canned Shad. Columbia River Packers Association, Inc., Astoria, Oreg.
Filed Mar. 23, 1952, Serial No. 626,981. Published Oct. 21, 1952. Class 46.
- 569,230. Ropes and Twines. The Heyman Company Inc., New Orleans, La.
Filed Mar. 25, 1952, Serial No. 626,992. Published Oct. 21, 1952. Class 7.
- 569,231. Hydraulic Cement. Universal Atlas Cement Company, New York, N. Y.
Filed Mar. 25, 1952, Serial No. 627,018. Published Oct. 14, 1952. Class 12.
- 569,232. Hydraulic Cement. Universal Atlas Cement Company, New York, N. Y.
Filed Mar. 25, 1952, Serial No. 627,019. Published Oct. 14, 1952. Class 12.
- 569,233. Hydraulic Cement. Universal Atlas Cement Company, New York, N. Y.
Filed Mar. 25, 1952, Serial No. 627,020. Published Oct. 14, 1952. Class 12.
- 569,234. Toasted Macaroni. Golden Rich Foods, Inc., Joliet, Ill.
Filed Apr. 1, 1952, Serial No. 627,386. Published Oct. 21, 1952. Class 46.
- 569,235. Canned Vegetables. Milford Canning Company, Milford, Ill.
Filed Apr. 1, 1952, Serial No. 627,395. Published Oct. 21, 1952. Class 46.
- 569,236. Woven Filter Cloth in Roll Form, for Filtering Liquids and Gases. The National Filter Media Corporation, New Haven, Conn.
Filed Apr. 1, 1952, Serial No. 627,399. Published Oct. 21, 1952. Class 42.
- 569,237. Dog and Cat Food. The Oakford Company, Peoria, Ill.
Filed Apr. 5, 1952, Serial No. 627,638. Published Oct. 21, 1952. Class 46.
- 569,238. Women's Underwear. Fountain Hill Underwear Mills, Bethlehem, Pa.
Filed Apr. 8, 1952, Serial No. 627,740. Published Oct. 21, 1952. Class 39.
- 569,239. Fresh Citrus Fruits. James Macchiaroli Fruit Co., Phoenix, Ariz.
Filed Apr. 8, 1952, Serial No. 627,755. Published Oct. 21, 1952. Class 46.
- 569,240. Shower Curtains and Matching Window Drapes. Para Manufacturing Co., Inc., Newark, N. J.
Filed Apr. 8, 1952, Serial No. 627,769. Published Oct. 21, 1952. Class 42.
- 569,241. Candy. The Maillard Corp., New York, N. Y.
Filed Apr. 9, 1952, Serial No. 627,826. Published Sept. 23, 1952. Class 46.
- 569,242. Polyvinyl Pyrrolidone in Bulk. Schenley Laboratories, Inc., New York, N. Y.
Filed Apr. 11, 1952, Serial No. 627,972. Published Oct. 28, 1952. Class 18.
- 569,243. Brasieres. United Mills Corporation, Mount Gilead, N. C.
Filed Apr. 11, 1952, Serial No. 627,988. Published Oct. 21, 1952. Class 39.

- 569,244. Preparation for the Relief of Piles. Allied Products, Inglewood, Calif.
Filed Apr. 15, 1952, Serial No. 628,085. Published Oct. 28, 1952. Class 18.
- 569,245. Frozen Fish, Frozen Fish Fillets, Smoked Fish, Salt Fish, Pickled Fish, Fresh Fish, Canned Fish, and Frozen Vegetables. San Juan Fishing & Packing Co., Seattle, Wash.
Filed Apr. 18, 1952, Serial No. 628,200. Published Oct. 21, 1952. Class 46.
- 569,246. Metal Casting Plaster. United States Gypsum Company, Chicago, Ill.
Filed Apr. 18, 1952, Serial No. 628,310. Published Oct. 28, 1952. Class 12.
- 569,247. Peat Used as a Soil Conditioner. Michigan Peat, Inc., New York, N. Y.
Filed Apr. 19, 1952, Serial No. 628,364. Published Oct. 21, 1952. Class 10.
- 569,248. Paint Brushes. International Paint Company, Inc., New York, N. Y.
Filed Apr. 24, 1952, Serial No. 628,628. Published Oct. 21, 1952. Class 29.
- 569,249. Paint Brushes. International Paint Company, Inc., New York, N. Y.
Filed Apr. 24, 1952, Serial No. 628,629. Published Oct. 21, 1952. Class 29.
- 569,250. Paint Brushes. International Paint Company, Inc., New York, N. Y.
Filed Apr. 24, 1952, Serial No. 628,630. Published Oct. 21, 1952. Class 29.
- 569,251. Ammonium Nitrate Fertilizer. Spencer Chemical Company, Kansas City, Mo.
Filed Apr. 24, 1952, Serial No. 628,654. Published Oct. 14, 1952. Class 10.
- 569,252. Oleomargarine. Osceola Foods, Inc., Osceola, Ark.
Filed Apr. 29, 1952, Serial No. 628,864. Published Oct. 21, 1952. Class 46.
- 569,253. Bituminous Paper Sizing Composition. The Flintkote Company, New York, N. Y.
Filed May 1, 1952, Serial No. 629,006. Published Oct. 28, 1952. Class 6.
- 569,254. Fresh Deciduous Fruits, Fresh Citrus Fruits, Fresh Grapes, and Fresh Vegetables. Victor Slayman, Lindsay, Calif.
Filed May 2, 1952, Serial No. 629,120. Published Oct. 21, 1952. Class 46.
- 569,255. Sphagnum Moss for Use as a Fertilizer. Acme Peat Products Limited, Vancouver, British Columbia, Canada.
Filed May 20, 1952, Serial No. 629,924. Published Oct. 21, 1952. Class 10.
- 569,256. Fertilizing and Soil Conditioning Agent. White House Co., Harrison, N. J.
Filed June 2, 1952, Serial No. 630,642. Published Oct. 14, 1952. Class 10.
- 569,257. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. H. Fuller & Co., Inc., New York, N. Y.
Filed June 10, 1952, Serial No. 631,002. Published Oct. 21, 1952. Class 42.
- 569,258. Seamless Tubular Woven Cotton Fabric. Philadelphia Felt Company, Philadelphia, Pa.
Filed June 10, 1952, Serial No. 631,021. Published Oct. 21, 1952. Class 42.
- 569,259. Medicinal Preparation Intended for Use in the Treatment of Infections of the Mouth and Throat. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y.
Filed June 21, 1952, Serial No. 631,539. Published Oct. 21, 1952. Class 18.
- 569,260. Preparation of Amino Acids, Minerals, and Vitamins, Etc. C. B. Fleet Company, Incorporated, Lynchburg, Va.
Filed June 25, 1952, Serial No. 631,731. Published Oct. 21, 1952. Class 18.
- 569,261. Chemical Colors—Namely, Pigments, Lakes, and Toners in Both Dry and Liquid Forms, and Chemical Intermediates for the Same. Holland Color and Chemical Company, Holland, Mich.
Filed June 25, 1952, Serial No. 631,737. Published Oct. 28, 1952. Class 6.
- 569,262. Ophthalmic Preparation. The Upjohn Company, Kalamazoo, Mich.
Filed June 27, 1952, Serial No. 631,903. Published Oct. 21, 1952. Class 18.
- 569,263. Antimalarial Preparation. American Cyanamid Company, New York, N. Y.
Filed Aug. 9, 1952, Serial No. 633,046. Published Oct. 28, 1952. Class 18.

Service Marks

- 569,264. Creating and Making Up Fashion Patterns and Designs To Be Used by Others in the Manufacture of Wearing Apparel. Blanche D. Small, doing business as Mike Small, New York, N. Y.
Filed June 13, 1950, Serial No. 599,026. Published Oct. 21, 1952. Class 100.
- 569,265. General Banking and Trust Services—Namely, Making Commercial Loans, Issuing Letters of Credit, Acting as Stock Transfer Agent, and Acting as Trustee, or in Some Other Fiduciary Capacity, in the Administration of Trust Estates. Peoples First National Bank & Trust Company, Pittsburgh, Pa.
Filed Nov. 13, 1950, Serial No. 606,321. Published Oct. 21, 1952. Class 102.
- 569,266. Rental of Towels for Industrial and Other Uses. McGuire Bros. Inc., Long Island City, N. Y.
Filed Apr. 26, 1951, Serial No. 613,179. Published Oct. 21, 1952. Class 100.
- 569,267. Entertainment Services in the Nature of Baseball Playing Proficiency Contests for Amateurs Conducted Through the Medium of Radio and Television Programs. Happy Felton Products, Inc., New York, N. Y.
Filed June 25, 1951, Serial No. 615,638. Published Oct. 21, 1952. Class 107.
- 569,268. Leasing of Motion Picture Film To Be Used in Theaters, Television, Radio, and Stage Presentations. Dalton Film Company, Tulsa, Okla.
Filed July 19, 1951, Serial No. 616,659. Published Oct. 21, 1952. Class 107.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

- 569,260. (Class 49. Distilled Alcoholic Liquors.) G. F. Heublein & Bro., Inc., Hartford, Conn. Original filed, act of 1946, Principal Register, Sept. 15, 1951; amended to application, Supplemental Register, Sept. 5, 1952, Serial No. 618,854.
- 569,274. (Class 39. Clothing.) David D. Doniger & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 3, 1951; amended to application, Supplemental Register, Apr. 25, 1952, Serial No. 620,840.

WARM AS TOAST

For Men's and Boys' Wearing Apparel—Namely, Jackets and Outer Shirts.
Claims use since Apr. 1, 1951.

- 569,275. (Class 47. Wines.) Ed. Rozes, Guy & Yves Rozes Successeurs (Société à Responsabilité Limitée), Bordeaux, Gironde, France. Original filed, act of 1946, Principal Register, Nov. 3, 1951; amended to application, Supplemental Register, Sept. 26, 1952, Serial No. 620,842.

ROZÈS

For Vermouth.
Claims use since 1934 in France; and first used in commerce between France and the United States on June 16, 1934.

- 569,276. (Class 40. Foods and Ingredients of Foods.) Usen Canning Co., Boston, Mass. Original filed, act of 1946, Principal Register, Nov. 7, 1951; amended to application, Supplemental Register, Nov. 6, 1952, Serial No. 620,981.

TABBY

For Cat Food.
Claims use since Jan. 8, 1950.

- 569,277. (Class 46. Foods and Ingredients of Foods.) Zion Industries, Inc., doing business under the trade style The Zion Countryside Bakers, Zion, Ill. Filed July 9, 1951, Serial No. 620,985.



Applicant claims ownership of Registrations Nos. 418,658, 420,961, and others.
For Cookies.
Claims use since May 24, 1950.

- 569,278. (Class 4. Abrasives and Polishing Materials.) Chicago Sanitary Products Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 8, 1951; amended to application, Supplemental Register, Aug. 6, 1952, Serial No. 621,002.

Safety Gloss

For Self-Polishing Wax.
Claims use since Dec. 5, 1950.

POPOFF

For Vodka.
Claims use since Sept. 1, 1951.

- 569,270. (Class 27. Horological Instruments.) S. Rodman Sons, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 5, 1951; amended to application, Supplemental Register, Oct. 21, 1952, Serial No. 619,046.

HADDON

For Watches, Clocks, and Parts Thereof, and Watches and Attached Wristbands Sold as a Unit.
Claims use since Sept. 24, 1951.

- 569,271. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Mission Manufacturing Company, Houston, Tex. Filed Oct. 29, 1951, Serial No. 620,614.

SUPER-SERVICE

For Reciprocating Slush Pumps for Pumping Drilling Mud in the Rotary Method of Well Drilling, Slush Pump Liners, Slush Pump Valves, and Slush Pump Valve Seats.
Claims use since Dec. 1, 1946.

- 569,272. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Thereof.) Wavedge Ribbons, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 29, 1951; amended to application, Supplemental Register, Aug. 19, 1952, Serial No. 620,634.

WAVEDGE

For Ribbons in Hanks and Ribbons in the Piece.
Claims use since July 18, 1951.

- 569,273. (Class 6. Chemicals and Chemical Compositions.) C. N. Bolla Insect Extermination, Corpus Christi, Tex. Original filed, act of 1946, Principal Register, Oct. 31, 1951; amended to application, Supplemental Register, Oct. 27, 1952, Serial No. 620,719.

CRYS-TAL-AIRE

For Insecticide Having Incidental Air Purification and Deodorizing Properties.
Claims use since July 15, 1951.

569,279. (Class 12. Construction Materials.) Frederick J. Raff, doing business under the name and style of The Lustrewood Process Company, Division of Frederick J. Raff Company, Bristol, Conn. Original filed, act of 1946, Principal Register, Nov. 10, 1951; amended to application, Supplemental Register, Aug. 22, 1952, Serial No. 621,113.

Lustrewood

For Wood Fibre Board in Panels and Shapes for Wall Coverings, Furniture, Etc.

Claims use since Sept. 3, 1950.

569,280. (Class 39. Clothing.) Pons Full Fashion Mills, Inc., Valdeese, N. C. Original filed, act of 1946, Principal Register, Nov. 27, 1951; amended to application, Supplemental Register, Oct. 2, 1952, Serial No. 621,728.

Pons

For Ladies' Hosiery.

Claims use since Nov. 15, 1946.

569,281. (Class 7. Cordage.) Padgett Brothers Company, Dallas, Tex. Original filed, act of 1946, Principal Register, Dec. 20, 1951; amended to application, Supplemental Register, May 26, 1952, Serial No. 622,726.

True-Blue

For Silk Manila Lariat Rope.

Claims use since 1916.

569,282. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Southwestern Sewing Equipment Corporation, doing business as Fairchild Sewing Machine Co., Dallas, Tex. Original filed, act of 1946, Principal Register, Sept. 1, 1951; amended to application, Supplemental Register, Sept. 8, 1952, Serial No. 622,853.



For Sewing Machines, Attachments Therefor and Parts Thereof.

Claims use since Sept. 1, 1951.

569,283. (Class 50. Merchandise Not Otherwise Classified.) Survive-All, Inc., Providence, R. I. Original filed, act of 1946, Principal Register, Jan. 3, 1952; amended to application, Supplemental Register, Oct. 20, 1952, Serial No. 623,167.

SURVIVE-ALL

For Package Containing Articles for Use After a Disaster, Including the Following: Fire Extinguisher, First Aid Medicinal Supplies, Food, Flashlight, Soap, Towels, Candles, Matches, Cooking Fuel, Paper Plates, Can Opener, Cutlery.

Claims use since Oct. 5, 1951.

569,284. (Class 43. Thread and Yarn.) Oregon Worsted Company, Portland, Ore. Original filed, act of 1946, Principal Register, Jan. 10, 1952; amended to application, Supplemental Register, Nov. 1, 1952, Serial No. 623,427.



For Yarn.

Claims use since Sept. 15, 1951.

569,285. (Class 39. Clothing.) Meyer Miller, doing business under the name Miller Underwear Co., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 11, 1952; amended to application, Supplemental Register, Oct. 22, 1952, Serial No. 623,472.



The figure of the woman on the drawing is fanciful. For Ladies' Underwear—Namely, Slips, Petticoats, Step-Ins, Nightgowns, Bed Jackets, and Panties.

Claims use since June 1, 1951.

569,286. (Class 46. Foods and Ingredients of Foods.) Samuel Klein, Newark, N. J. Original filed, act of 1946, Principal Register, Feb. 4, 1952; amended to application, Supplemental Register, May 12, 1952, Serial No. 624,491.

BRED-REPLASER

For Wafer or Biscuit-Type Bread Product.

Claims use since Nov. 7, 1950.

569,287. (Class 22. Games, Toys, and Sporting Goods.) Kamkap, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 12, 1952; amended to application, Supplemental Register, Nov. 10, 1952, Serial No. 624,835.

RING'N BULL

For Toy Telephone Switchboard.

Claims use since Mar. 15, 1951.

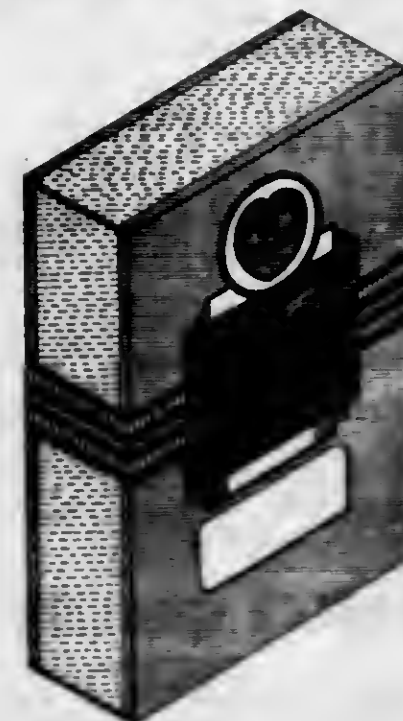
569,288. (Class 50. Merchandise Not Otherwise Classified.) Old Copper Mine Farms Inc., Warrenville, N. J. Original filed, act of 1946, Principal Register, Feb. 18, 1952; amended to application, Supplemental Register, Oct. 23, 1952, Serial No. 625,120.

Terrace Greenhouse

For Miniature Greenhouse Equipped With a Thermostatically Controlled Heating System and an Irrigation System.

Claims use since Oct. 1, 1950.

569,289. (Class 46. Foods and Ingredients of Foods.) Pen Argyl Milling Co., Inc., Pen Argyl, Pa. Filed Feb. 27, 1952, Serial No. 625,619.



The drawing is lined to indicate the colors blue and gray. Applicant claims ownership of Registrations Nos. 417,569 and 527,966.

For Creamy Orlita.

Claims use since Oct. 14, 1943.

569,290. (Class 21. Electrical Apparatus, Machines, and Supplies.) Volre Incorporated, Miami, Fla. Original filed, act of 1946, Principal Register, Feb. 27, 1952; amended to application, Supplemental Register, Sept. 24, 1952, Serial No. 625,645.



The right to the exclusive use of the word "Incorporated" is disclaimed.

For Electrical Sound Recording and Reproducing Systems and Apparatus—Namely, Electrical Public Address Systems, Electrically Operated Phonographs and Magnetic Phonograph Records. Also Electrical In and Out Registers, the Latter Being Registers Used in the Lobbies of Office Buildings Which Serve to Visually Show Whether the Occupants of Offices in Such Buildings Are In or Out of Their Respective Offices.

Claims use since May 30, 1950.

569,291. (Class 39. Clothing.) MacLaren Sportswear Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 29, 1952; amended to application, Supplemental Register, Oct. 10, 1952, Serial No. 627,267.



For Men's and Boys' Shirts and Neckties.

Claims use since Jan. 22, 1951.

569,292. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Chenille Rug Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Apr. 1, 1952; amended to application, Supplemental Register, Aug. 5, 1952, Serial No. 627,381.



For Woven Rugs.

Claims use since Jan. 8, 1951.

569,293. (Class 39. Clothing.) MacLaren Sportswear Corp., New York, N. Y. Filed Apr. 8, 1952, Serial No. 627,756.

MacLAREN

For Men's, Boys', Women's, Girls', and Children's Outerwear—Namely, Shirts, Blouses, Trousers, Neckties, Bowties, Shorts, Sport Jackets, Lounging Jackets, Slacks, and Coveralls.

Claims use since Feb. 8, 1937.

569,294. (Class 37. Paper and Stationery.) Oregon Pulp and Paper Company, Portland and Salem, Ore. Filed Apr. 12, 1952, Serial No. 628,006.

PEN-TYPE

Applicant claims ownership of Registration No. 291,542. For Mimeograph Paper and Duplicating Paper.

Claims use since Nov. 1, 1930.

569,295. (Class 39. Clothing.) The Shirts Craft Company, Inc., New York, N. Y. Filed Apr. 25, 1952, Serial No. 628,722.

STAY-SMART

Applicant claims ownership of Registration No. 336,277. For Sport Shirts for Men and Boys.

Claims use since on or about Feb. 1, 1935.

569,296. (Class 6. Chemicals and Chemical Compositions.) William H. Goff, doing business as Old-North Manufacturing Co., Lenoir, N. C. Original filed, act of 1946, Principal Register, May 1, 1952; amended to application, Supplemental Register, Nov. 12, 1952, Serial No. 629,016.

"Skotch-Kure"

For Concrete Curling Compound.

Claims use since Mar. 21, 1950.

569,297. (Class 39. Clothing.) Lofties Knitting Mills, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 23, 1952; amended to application, Supplemental Register, Oct. 25, 1952, Serial No. 630,139.

CUSTOM LOOK KNITS

For Ladies', Misses', and Girls' Knitted Outerwear—Namely, Dresses, Sweaters, Cardigans, and Skirts.

Claims use since Apr. 4, 1949.

569,298. (Class 39. Clothing.) Siegel-Shulman, Inc., Miami Beach, Fla. Filed May 29, 1952, Serial No. 630,516.

Scène en Paris

For Ladies', Misses', Men's, and Boys' Suits, Coats, Dresses, Blouses, Halters, Outer Shirts, Outer Skirts and Belts, Slips, Brassières, Sweaters, Slacks, Trousers, Sport Shirts, Pedal Pushers, Jackets, Beach Coats, Bath Robes, Lounging Robes, Hats, Socks, Stockings, Neckties, Bow Ties, Under Shirts, Under Shorts, Play Shorts, Bathing Trunks, Swimsuits, Pajamas, Negligees, Nightgowns, Gloves and Shoes of Leather, Fabric, and Combinations Thereof, and Raincoats.

Claims use since Apr. 21, 1951.

569,299. (Class 39. Clothing.) Siegel-Shulman, Inc., Miami Beach, Fla. Filed May 29, 1952, Serial No. 630,517.

Scene in New York

For Ladies', Misses', Men's, and Boys' Suits, Coats, Dresses, Blouses, Halters, Outer Shirts, Outer Skirts and Belts, Slips, Brassières, Sweaters, Slacks, Trousers, Sport Shirts, Pedal Pushers, Jackets, Beach Coats, Bath Robes, Lounging Robes, Hats, Socks, Stockings, Neckties, Bow Ties, Under Shirts, Under Shorts, Play Shorts, Bathing Trunks, Swimsuits, Pajamas, Negligees, Nightgowns, Gloves and Shoes of Leather, Fabric, and Combinations Thereof, and Raincoats.

Claims use since Apr. 10, 1951.

569,300. (Class 22. Games, Toys, and Sporting Goods.) Childhood Interests, Inc., Roselle Park, N. J. Filed June 12, 1952, Serial No. 631,912.

THREE-MEN-IN-A-BOAT

For Hand-Manipulation Toy With Three Masts on Which Parts Are Placed in Different Positions.

Claims use since on or about May 4, 1951.

569,301. (Class 33. Glassware.) Durward O. Guth, Elmwood Park, Ill. Original filed, act of 1905, Mar. 22, 1946; amended to application under act of 1946, Principal Register, Mar. 30, 1948; amended to Supplemental Register, Oct. 8, 1949, Serial No. 498,765.



For Receptacles Such as Flasks, Bottles, Tumblers, and Vases for Handling Hot or Cold Materials, Said Receptacles Comprising a Glass Base Receptacle Having Firmly Bonded Thereon an Outer Cork Insulating Layer.

Claims use since Oct. 22, 1945.

569,302. (Class 37. Paper and Stationery.) Gregory Fount-O-Ink Company, a co-partnership, Los Angeles, Calif., assignee of Gregory Fount-O-Ink Co., a corporation. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Supplemental Register, Aug. 19, 1952, Serial No. 524,456.

"Roll-Tip"

For Nib Points for Dip Pens of the Capillary Feed Type Insertable Into and Removable From Ink Reservoir Writing Sets.

Claims use since Dec. 2, 1946.

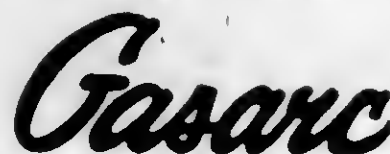
569,303. (Class 12. Construction Materials.) The Cusins and Fearn Company, Columbus, Ohio. Original filed, act of 1946, Principal Register, Mar. 20, 1948; amended to application, Supplemental Register, Aug. 28, 1952, Serial No. 552,381.

MASTER QUALITY

For Roof Cement, Furnace Cement, Caulking Compounds, and Mineral Wool Insulating Materials.

Claims use since Apr. 1, 1937.

569,304. (Class 21. Electrical Apparatus, Machines, and Supplies.) National Cylinder Gas Company, Chicago, Ill. Original filed, act of 1946, Principal Register, July 21, 1948; amended to application, Supplemental Register, Apr. 24, 1952, Serial No. 561,851.



For Electric Welding Apparatus and Parts Thereof.

Claims use since February 1948.

569,305. (Class 4. Abrasives and Polishing Materials.) Sandpaper Incorporated, Rockland, Mass. Original filed, act of 1946, Principal Register, Sept. 23, 1948; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 565,727.

PHENOWET

Applicant claims ownership of Registration No. 403,582. For Abrasive Cloths.

Claims use since July 27, 1948.

569,306. (Class 51. Cosmetics and Toilet Preparations.) The Mme. C. J. Walker Manufacturing Company, Inc., Indianapolis, Ind. Original filed, act of 1946, Principal Register, Dec. 15, 1948; amended to application, Supplemental Register, May 31, 1951, Serial No. 570,597.

Mme. C. J. Walker's
Satin Tress

Applicant claims ownership of Registrations Nos. 120,759 and 153,556. For Hair Dressing Used for Long-Lasting Straightening, Curling, Waving, and Styling Human Hair With Ease.

Claims use since Sept. 17, 1948.

569,307. (Class 21. Electrical Apparatus, Machines, and Supplies.) The McGraw Electric Company, doing business under the name and style Busmann Manufacturing Company, Elgin, Ill. and St. Louis, Mo. Original filed, act of 1946, Principal Register, Feb. 24, 1949; amended to application, Supplemental Register, Mar. 29, 1952, Serial No. 574,447.

SUPER-LAG

For Electric Fuses, Renewable Fuses, Renewable Fuse Casings, and Links for Renewable Fuses.

Claims use since August 1930.

569,308. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The E. H. Hotchkiss Company, Norwalk, Conn. Original filed, act of 1946, Principal Register, Mar. 16, 1949; amended to application, Supplemental Register, Aug. 28, 1952, Serial No. 575,529.

STAPL-ON

For Staple-Setting Hammers and Tackers.

Claims use since Feb. 11, 1949.

569,309. (Class 46. Foods and Ingredients of Foods.) The O. P. Baur Confectionery Company, Denver, Colo. Original filed, act of 1946, Principal Register, Apr. 11, 1949; amended to application, Supplemental Register, Oct. 24, 1951, Serial No. 576,897.



The drawing is lined for the colors red and gold.

For Candles.

Claims use since 1900.

569,310. (Class 45. Soft Drinks and Carbonated Waters.) Reymer & Brothers, Incorporated, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, June 11, 1949; amended to application, Supplemental Register, Sept. 4, 1952, Serial No. 580,323.



For Non-Alcoholic Maltless Soft Drinks and Syrups for Making Same.

Claims use since May 27, 1948.



For Kits From Which Electric Clocks May Be Assembled, Said Kits Being Composed of Unassembled Clock Parts.

Claims use since Oct. 4, 1949.

569,312. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Marsh Stencil Machine Company, Belleville, Ill. Original filed, act of 1946, Principal Register, Dec. 19, 1949; amended to application, Supplemental Register, Oct. 11, 1952, Serial No. 589,583.

DIAL TAPER

For Gummed Tape Dispensing Machine.

Claims use since Nov. 28, 1949.

569,313. (Class 5. Adhesives.) Mid-States Gummed Paper Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 27, 1950; amended to application, Supplemental Register, Sept. 2, 1952, Serial No. 591,577.

TAPE - STRAP

For Gummed Paper Tape and Gummed Cloth Tape.

Claims use since Nov. 14, 1949.

569,314. (Class 21. Electrical Apparatus, Machines, and Supplies.) Adjustable Fixture Co., Milwaukee, Wis. Original filed, act of 1940, Principal Register, Mar. 24, 1950; amended to application, Supplemental Register, Sept. 2, 1952, Serial No. 594,513.



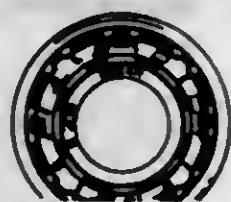
Nightingale (Florence) is the name of a historically famous English nurse, now long deceased, and commonly referred to as the "Lady with the Lamp." The representation of the woman in the drawing is fanciful and is the artist's conception of what Florence Nightingale might have looked like. The sole purpose of the association of the word "Nightingale" with the picture is to suggest the use of lamps for hospitals having the qualities of constancy and faithfulness as possessed by the nurse, Florence Nightingale.

For Electric Lamps and More Particularly Electric Bed-side Lamps for Use in Hospitals.

Claims use since Nov. 23, 1949.

569,315. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Green Ball Bearing Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 11, 1950; amended to application, Supplemental Register, Dec. 12, 1951, Serial No. 595,540.

GREEN



For Ball and Roller Bearings.
Claims use since Jan. 1, 1945.

569,316. (Class 19. Vehicles.) M. M. Davis & Son, Incorporated, Solomons, Md. Original filed, act of 1946, Principal Register, May 8, 1951; amended to application, Supplemental Register, Sept. 11, 1952, Serial No. 597,068.

CruisAlong

Applicant claims ownership of Registration No. 378,840.
For Inboard Powered Cruisers.
Claims use since Feb. 19, 1946.

569,317. (Class 29. Brooms, Brushes, and Dusters.) Joseph Parmet, doing business as The Joseph Parmet Co., Catasauqua, Pa. Original filed, act of 1946, Principal Register, June 26, 1950; amended to application, Supplemental Register, Nov. 14, 1952, Serial No. 599,776.

One-Wipe

For Dusting Cloths and Mops.
Claims use since Feb. 1, 1950.

569,318. (Class 12. Construction Materials.) The Gilman Brothers Company, Gilman, Conn. Original filed, act of 1946, Principal Register, July 14, 1950; amended to application, Supplemental Register, Aug. 26, 1952, Serial No. 600,661.



For Fibrous Cotton Heat and Sound Insulating Material in Sheet, Block, and Roll Form.
Claims use since Apr. 19, 1950.

569,319. (Class 51. Cosmetics and Toilet Preparations.) E. R. Wiggins, doing business as Atlantic Laboratories, Miami, Fla. Original filed, act of 1946, Principal Register, Aug. 4, 1950; amended to application, Supplemental Register, June 20, 1952, Serial No. 601,766.

NOSKOTE

For Paste or Coating To Be Used Especially in Applying to the Head, Face, Nose, and Lips for Protecting Them Against Severe Sun Burn.

Claims use since the winter season of 1945.

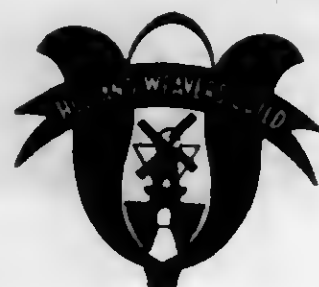
569,320. (Class 6. Chemicals and Chemical Compositions.) Sage Laboratories, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 24, 1950; amended to application, Supplemental Register, Nov. 13, 1952, Serial No. 602,719.



For Room Deodorizer, Disinfectant, and Laundry Bleach and Starch.

Claims use since February 1945 as to the mark shown, and since 1944 as to "Sage."

569,321. (Class 42. Knitted, Netted, and Textile Fabrics and Substitutes Thereof.) Stichting Holland Weavers Guild (Foundation Holland Weavers Guild), Rotterdam, Netherlands. Original filed, act of 1946, Principal Register, Sept. 7, 1950; amended to application, Supplemental Register, May 8, 1952, Serial No. 603,262.



Applicant claims ownership of Dutch Registration No. 104,287, dated Mar. 18, 1950.

For Textile Tissues, Made From Wool, Linen, Cotton, Silk, Nylon, Rayon, and Other Synthetically Made Fibres, as Well as Mixtures and Combinations Thereof.

569,322. (Class 21. Electrical Apparatus, Machines, and Supplies.) Minnerata Automotive, Inc., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Oct. 23, 1950; amended to application, Supplemental Register, Oct. 10, 1952, Serial No. 605,319.

No-Creep

For Solenoid Control Valve Attachment for Hydraulic Brake Systems.

Claims use since Mar. 3, 1949.

569,323. (Class 19. Vehicles.) Beverly Manufacturing Company, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Mar. 2, 1951; amended to application, Supplemental Register, Mar. 20, 1952, Serial No. 610,735.

STA-CLEAR

For Cellophane Sheets for Application to the Inside Surface of Automobile Windows, in Colored Form for the Reduction of Glare, and in Uncolored Form for Preventing Fogging or Frosting of the Windows.

Claims use since June 21, 1939.

569,324. (Class 46. Foods and Ingredients of Foods.) U. S. Chewing Gum Mfg. Co., Oakland, Calif. Original filed, act of 1946, Principal Register, Apr. 14, 1951; amended to application, Supplemental Register, Oct. 24, 1952, Serial No. 612,670.

CHICLE TREETS

For Candy Coated Chewing Gum.
Claims use since Mar. 28, 1951.

569,325. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Thereof.) United Merchants and Manufacturers, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 17, 1951; amended to application, Supplemental Register, Aug. 12, 1952, Serial No. 612,771.



For Piece Goods of Viscose Rayon, Acetate Rayon, Silk, Nylon and/or Cotton or Combinations Thereof.
Claims use since Nov. 2, 1950.

569,326. (Class 29. Brooms, Brushes, and Dusters.) The Wooster Brush Company, Wooster, Ohio. Original filed, act of 1946, Principal Register, Apr. 19, 1951; amended to application, Supplemental Register, Sept. 11, 1952, Serial No. 612,881.

Roll-On

For Paint Applicators of the Roller Dip Type.
Claims use since July 1950.

569,327. (Class 46. Foods and Ingredients of Foods.) Michigan Blueberry Growers Association, Grand Junction, Mich. Original filed, act of 1946, Principal Register, Apr. 23, 1951; amended to application, Supplemental Register, Mar. 21, 1952, Serial No. 613,014.



All wording except "Great Lakes" is disclaimed.
For Fresh Cultivated Blueberries.
Claims use since July 15, 1950.

569,328. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Thereof.) Vivitex Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 27, 1951; amended to application, Supplemental Register, May 22, 1952, Serial No. 613,273.

TABLE-TOPPER

For Table Pads Made of Flexible Padding.
Claims use since Mar. 12, 1950.

569,329. (Class 49. Distilled Alcoholic Liquors.) Societe a Responsabilite Limitee Cognac Favraud, Chateau de Souillac a Jarnac Charente, France. Original filed, act of 1946, Principal Register, Apr. 27, 1951; amended to application, Supplemental Register, May 8, 1952, Serial No. 613,282.

FAVRAUD



Applicant claims ownership of French Registration No. 12,110, dated Aug. 6, 1940.
For Cognac Brandy.

569,330. (Class 22. Games, Toys, and Sporting Goods.) Oscar Mohler, doing business as Mohler Sales Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, May 7, 1951; amended to application, Supplemental Register, May 7, 1952, Serial No. 613,599.



The generic words "Casting Bobbers" are disclaimed.
For Casting Bobbers for Fishing Lines.
Claims use since Apr. 27, 1951.

569,331. (Class 48. Malt Beverages and Liquors.) Hope and Anchor Breweries Limited, Sheffield, England. Original filed, act of 1946, Principal Register, May 17, 1951; amended to application, Supplemental Register, Oct. 16, 1952, Serial No. 613,991.



Applicant claims ownership of British Registration No. 679,701, dated May 20, 1949.
For Mead Ale.

569,332. (Class 21. Electrical Apparatus, Machines, and Supplies.) NuTone, Inc., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, May 22, 1951; amended to application, Supplemental Register, Oct. 2, 1952, Serial No. 614,213.

HEAT-A-LITE

For Electric Heater, Light, and Fan Combination Units.
Claims use since Apr. 26, 1951.

569,333. (Class 46. Foods and Ingredients of Foods.) Chocolate Products Company, Chicago, Ill. Original filed, act of 1946, Principal Register, June 26, 1951; amended to application, Supplemental Register, Jan. 23, 1952, Serial No. 615,690.

MIXFAST

For Preparation of Cocon, Sugar, Salt, and an Emulsifier for Making a Food Beverage.
Claims use since Jan. 3, 1951.

569,334. (Class 39. Clothing.) The Shlircraft Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 3, 1951; amended to application, Supplemental Register, Aug. 1, 1952, Serial No. 616,055.

EVERFIT

Applicant claims ownership of Registration No. 266,005.
For Men's and Boys' Work, Dress, and Negligee Shirts.
Claims use since Apr. 3, 1927.

569,335. (Class 51. Cosmetics and Toilet Preparations.) Parfums Chlon, Société à Responsabilité Limitée, Courbevoie, Seine, France. Original filed, act of 1946, Principal Register, July 24, 1951; amended to application, Supplemental Register, Aug. 15, 1952, Serial No. 616,865.

CADIZ

Applicant claims ownership of French Registration No. 410,493, dated Mar. 1, 1951.

For Perfumes, Toilet Waters, Rouge, Lipstick, Face Creams, Bath Oils, Eaux de Cologne, Talc, and Face Powders, Lotions for the Face and Hands, Hair Tonic and Hair Oil.

569,336. (Class 50. Merchandise Not Otherwise Classified.) Wood Conversion Company, St. Paul, Minn. Original filed, act of 1946, Principal Register, Aug. 14, 1951; amended to application, Supplemental Register, June 14, 1952, Serial No. 617,690.

CARGO-PAK

For Loosely Matted or Felted Adhesively-Bound Vegetable Fiber in Sheet Form for Use in Cushioning and Packing Merchandise.

Claims use since May 28, 1951.

569,337. (Class 37. Paper and Stationery.) Bienfang Paper Company, Inc., Metuchen, N. J. Original filed, act of 1946, Principal Register, Aug. 24, 1951; amended to application, Supplemental Register, July 25, 1952, Serial No. 618,020.



For Artists' Paper Canvas.
Claims use since July 10, 1951.

569,338. (Class 46. Foods and Ingredients of Foods.) Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Original filed, act of 1946, Principal Register, Aug. 27, 1951; amended to application, Supplemental Register, Oct. 30, 1952, Serial No. 618,130.



For Nonfat Dry Milk Solids.
Claims use since July 28, 1951.

569,339. (Class 6. Chemicals and Chemical Compositions.) The Batalite Corporation, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Aug. 28, 1951; amended to application, Supplemental Register, Aug. 28, 1952, Serial No. 618,153.



For Liquid for Use in Tobacco Lighters.
Claims use since Aug. 21, 1951.

569,340. (Class 37. Paper and Stationery.) Robert E. Henry, trading as Henry Bath Tub Protector Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Aug. 28, 1951; amended to application, Supplemental Register, Apr. 14, 1952, Serial No. 618,165.

★ STAND-ON ★

For Protective Sheets of Paper for Use on the Floor of Shower Stalls and in Bath Tubs.
Claims use since July 1949.

569,341. (Class 28. Jewelry and Precious-Metal Ware.) Stein & Ellbogen Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 31, 1951; amended to application, Supplemental Register, Oct. 24, 1952, Serial No. 618,521.

SELECT

For Jewelry for Personal Adornment, Not Including Watches—Namely, Necklaces, Baby Necklaces and Locketts, Bracelets, Watch Bracelets, Earrings, Finger Rings, Brooches, Scatter Pins, Decorative Dress Clips, Rosaries, Cross and Chain, and the Following Items Made in Whole or in Part of, or Plated With Precious Metal—Namely, Cuff Links, Tie Holders, and Key Chains.
Claims use since July 11, 1951.

666 O. G.—25

569,342. (Class 39. Clothing.) Krasnow Belt Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 14, 1951; amended to application, Supplemental Register, Sept. 15, 1952, Serial No. 618,805.

MONY-WEB BELT

For Garment Belts With Money Pockets.
Claims use since July 1951.

569,343. (Class 49. Distilled Alcoholic Liquors.) G. F. Henklein & Bro., Inc., Hartford, Conn. Original filed, act of 1946, Principal Register, Sept. 15, 1951; amended to application, Supplemental Register, Sept. 5, 1952, Serial No. 618,853.



For Vodka.
Claims use since Sept. 1, 1951.

Service Marks

569,344. (Class 100. Miscellaneous.) Music Guild of America, Newark, N. J. Original filed, act of 1946, Principal Register, Oct. 20, 1950; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 605,222.



For Polling Public Taste in Modern Music, Rating the Current Popularity of Favorite Tunes and Periodically Furnishing Listings of the Most Popular Tunes to Subscribers to the Service Particularly Juke Box Operators.
Claims use since May 28, 1948.

569,345. (Class 101. Advertising and Business.) Chester C. Aronson, Jr., St. Paul, Minn. Original filed, act of 1946, Principal Register, Nov. 28, 1947; amended to application, Supplemental Register, Apr. 11, 1952, Serial No. 542,503.



For Providing by Telephone the Names and Locations of Dealers, Agents, or Representatives Handling Products or Performing Services for Specified Advertisers, Manufacturers, Distributors, or Agents.
Claims use since July 1, 1947.

TRADE-MARK REGISTRATIONS RENEWED

- 39,060. **MAKES LIFE'S WALK EASY.** Registered Oct. 21, 1902. Lewis A. Crossett, North Abington, Mass. Re-renewed Oct. 21, 1952, to Joseph F. Corcoran Shoe Co., Inc., Stoughton, Mass., a corporation of Massachusetts. Leather Boots and Shoes. Class 39.
- 39,792. **VICTOR.** Registered Feb. 10, 1903. Crucible Steel Company of America, Pittsburgh, Pa. Re-renewed Feb. 10, 1953, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. Tool-Steel in Bars and Other Forms. Class 14.
- 87,404. **OAK LEAF.** Registered July 18, 1912. Armstrong Packing Company, Dallas, Tex., assignor to Armstrong Refining Company. Re-renewed July 18, 1952, to Swift & Company, Chicago, Ill., a corporation of Illinois. Compound of Pure Lard, Edible Beef Fat, and Cottonseed Oil. Class 46.
- 88,670. **"VIRGINIA DARE" AND DESIGN.** Registered Oct. 15, 1912. Garrett & Co., Norfolk, Va. Re-renewed Oct. 15, 1952, to Garrett & Company, Inc., Brooklyn, N. Y., a corporation of New York. Wine Made From the Scuppernon Grape. Class 47.
- 89,480. **"MANCHESTER" ETC. AND DESIGN.** Registered Dec. 17, 1912. Robert Marsland & Co., Limited, Manchester, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Dec. 17, 1952. Cotton Yarns. Class 43.
- 89,899. **BLACKHAWK.** Registered Dec. 31, 1912. The Rath Packing Company, Waterloo, Iowa, a corporation of Iowa. Re-renewed Dec. 31, 1952. Bacon, Hams, Skinned Hams, and Sugar-Cured Hams. Class 46.
- 89,747. **"HEATHCOAT 1808" AND PORTRAIT.** Registered Jan. 7, 1913. John Heathcoat & Co., Tiverton and London, England. Re-renewed Jan. 7, 1953, to John Heathcoat & Co., Inc., New York, N. Y., a corporation of New York. Nets and Veilings. Class 42.
- 89,925. **EVERETT.** Registered Jan. 21, 1913. The John Church Company, Cincinnati, Ohio. Re-renewed Jan. 21, 1953, to Everett Piano Company, South Haven, Mich., a corporation of Illinois. Pianos. Class 36.
- 90,577. **REGAL.** Registered Mar. 4, 1913. Regal Shoe Company Inc., Boston, Mass., assignor to Regal Shoe Company. Re-renewed Mar. 4, 1953, to Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts. Shoe-Holders and Boot and Shoe Trees. Class 50.
- 90,722. **"MONARCH" AND DRAWING.** Registered Mar. 18, 1913. Monarch Metal Weather Strip Company. Re-renewed Mar. 18, 1953, to Monarch Metal Weatherstrip Corporation, St. Louis, Mo., a corporation of Missouri. Metal Weather-Strips. Class 12.
- 90,820. **MAJOR'S.** Registered Mar. 25, 1913. Major Manufacturing Company, New York, N. Y. Re-renewed Mar. 25, 1953, to Plough, Inc., Memphis, Tenn., a corporation of Delaware. Cement for Repairing Broken Articles. Class 5.
- 295,330. **"EATON" ETC. AND DESIGN.** Registered June 28, 1932. A. N. Eaton, doing business as Eaton Metal Products Company, Omaha, Nebr., Denver, Colo., and Billings, Mont. Renewed June 28, 1952, to Eaton Metal Products Corporation, Omaha, Nebr., a corporation of Nebraska. Grain Bins, Sheep and Hog Troughs, Storage and Stock Tanks, Etc. Class 2.
- 296,067. **FITZALL.** Registered Aug. 30, 1932. Edward Greene, doing business as E. Greene & Company, Newark, N. J. Renewed Aug. 30, 1952, to E. Greene and Company, Orange, N. J., a partnership. Printed Paper Caution Signals for Index Systems. Class 37.
- 297,077. **UPNOS.** Registered Aug. 30, 1932. La Compagnie Pharmaceutique Desbergers. Renewed Aug. 30, 1952, to Desbergers Limited, Montreal, Quebec, Canada, a corporation organized under the laws of Canada. Soporific Medicine. Class 18.
- 297,524. **"DEXIN".** Registered Sept. 20, 1932. Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Renewed Sept. 20, 1952, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York. Dietary Material Used for Modifying Milk for Infant Feeding, Etc. Class 46.
- 297,587. **"GAMEWIN" AND DRAWING.** Registered Sept. 20, 1932. Levi-Ottensheimer Company, Baltimore, Md., a firm. Renewed Sept. 20, 1952. Pajamas for Girls and Women; Gymnasium, Sports, and Play Suits for Boys and Girls. Class 39.
- 297,647. **RED GOOSE.** Registered Sept. 20, 1932. Piggly Wiggly Corporation, Cincinnati, Ohio. Renewed Sept. 20, 1952, to Piggly Wiggly Corporation, Jacksonville, Fla., a corporation of Delaware. Canned Vegetables and Canned Fish. Class 46.
- 297,805. **KAYLENE-OL.** Registered Oct. 4, 1932. Kaylene, Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 4, 1952. Medicinal Preparations for Human Use for the Treatment of Indigestion, Rheumatism, Toxaemia, Colitis and All Forms of Chronic Intestinal Stasis. Class 18.
- 297,835. **DERMURE.** Registered Oct. 4, 1932. Skin Culture Laboratories, Inc. Renewed Oct. 4, 1952, to Skin Culture Institute, Inc., New York, N. Y., a corporation of New York. Skin Lotion in Cream or Semi-Solid Form. Class 51.
- 297,859. **"FLEER'S BON BON GUM" & DESIGN.** Registered Oct. 4, 1932. Frank H. Fleer Corporation, Philadelphia, Pa., a corporation of Delaware. Renewed Oct. 4, 1952. Chewing Gum. Class 46.
- 297,874. **"29TH DIVISION ASSOCIATION" AND DESIGN LINED FOR BLUE AND GRAY.** Registered Oct. 4, 1932. The 29th Division Association, Inc., Newark, N. J. Renewed Oct. 4, 1952, to The 29th Division Association, Inc., Washington, D. C., a corporation of New Jersey. Periodical Publications Published From Time to Time, Printed and Mimeographed Circulars Published From Time to Time. Class 38.
- 297,877. **"O. K.-LAX" AND DESIGN.** Registered Oct. 4, 1932. Paul C. Bragg, doing business as O. K.-Lax Mfg. Co., Los Angeles, Calif., assignor to Live Food Products, Inc. Renewed Oct. 4, 1952, to Live Food Products Co., Burbank, Calif., a corporation of California. Herb Laxative. Class 18.
- 297,916. **SCOTIA.** Registered Oct. 4, 1932. Strathmore Paper Company, West Springfield, Mass., a corporation of Massachusetts. Renewed Oct. 4, 1952. Writing and Printing Paper. Class 37.
- 297,938. **PLATIGNUM.** Registered Oct. 4, 1932. Montmore Manufacturing Company Limited, London, England, a company registered under the laws of Great Britain. Renewed Oct. 4, 1952. Pens, Fountain Pens, and Pencil Cases, None Being of Precious Metal or of Imitation Precious Metal, and Leads for Pencils. Class 37.
- 298,129. **"LUCKY MO-JO" AND DESIGN.** Registered Oct. 11, 1932. Morton O. Neumann, doing business as Lucky Mo-Jo Products Co. Renewed Oct. 11, 1952, to Valmor Products Co., Chicago, Ill., a corporation of Illinois. Incense, Perfumes, and Toothpaste. Class 51.
- 298,186. **"PINE TAR" ETC. AND DESIGN.** Registered Oct. 18, 1932. Northwestern Pine Tar Co., Chicago, Ill., a corporation of Illinois. Renewed Oct. 18, 1952. Pine Tar. Class 6.

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- 298,228. **GABRIELEEN.** Registered Oct. 18, 1932. Gabrielen Co., Inc., New York, N. Y. Renewed Oct. 18, 1952, to Gabrielen Co., Inc., Chicago, Ill., a corporation of Illinois. Permanent Waving Lotion. Class 51.
- 298,237. **GETZ.** Registered Oct. 18, 1932. Gets Exterminators, Inc., St. Louis, Mo., a corporation of Missouri. Renewed Oct. 18, 1952. Preparations for Exterminating Insects. Class 6.
- 298,242. **"JAB" ETC. AND DRAWING.** Registered Oct. 18, 1932. Jabex Cliff & Company Limited, Walsall, England, a company organized under the laws of Great Britain. Renewed Oct. 18, 1952. Saddlery—Namely, Riding Saddles, Bridles, Rubber Handparts, Etc. Class 3.
- 298,293. **SNO SHEEN.** Registered Oct. 18, 1932. Pillsbury Flour Mills Company. Renewed Oct. 18, 1952, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Cake Flour and Wheat Flour. Class 46.
- 298,380. **"BESTMAID" AND DESIGN.** Registered Oct. 25, 1932. New York Merchandise Co., Inc., New York, N. Y., a corporation of New York. Renewed Oct. 25, 1952. Abrasive Pot Cleaners Made of Metallic Wire. Class 4.
- 298,620. **"BALMUR CREAM" AND DESIGN.** Registered Nov. 1, 1932. G. C. Hanford Mfg. Company, Syracuse, N. Y., a corporation of New York. Renewed Nov. 1, 1952. Antiseptic Dressing. Class 18.
- 298,678. **"AGOBYL" AND DESIGN.** Registered Nov. 1, 1932. La Compagnie Pharmaceutique Desbergers. Renewed Nov. 1, 1952, to Desbergers Limited, Montreal, Quebec, Canada, a corporation organized under the laws of Canada. Liver Powder. Class 18.
- 298,727. **V.** Registered Nov. 1, 1932. Victor Manufacturing & Gasket Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 1, 1952. Gaskets. Class 36.
- 298,765. **"X" AND REPRESENTATION OF BOY.** Registered Nov. 8, 1932. Edward R. Tolfree, doing business as "X" Laboratories. Renewed Nov. 8, 1952, to "X" Laboratories, Inc., New York, N. Y., a corporation of New York. Lubricating Oils. Class 15.
- 299,048. **STRUTWEAR.** Registered Nov. 22, 1932. Strutwear Knitting Company. Renewed Nov. 22, 1952, to Strutwear, Inc., Minneapolis, Minn., a corporation of Minnesota. Hosiery and Underwear for Men, Women, and Children. Class 39.
- 299,270. **HIL-TONE.** Registered Nov. 29, 1932. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed Nov. 29, 1952. Liquid Floor Polish. Class 4.
- 299,447. **"BLACK MAGIC" AND DESIGN.** Registered Dec. 6, 1932. American Advertised Products, Incorporated, Chicago, Ill. Renewed Dec. 6, 1952, to Parfums Corday, Inc., New York, N. Y., a corporation of New York. Shampoo. Class 52.
- 299,831. **"M. WASHINGTON" ETC. AND DRAWING.** Registered Dec. 27, 1932. Martha Washington Candies Company, assignor to Ellie Sheets Candies Company. Renewed Dec. 27, 1952, to Martha Washington Candies Co., Chicago, Ill., a corporation of Illinois. Chocolate. Class 46.
- 299,938. **MANHATTER.** Registered Jan. 3, 1933. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 3, 1953. Women's Hats. Class 39.
- 299,941. **SENORITA.** Registered Jan. 3, 1933. J. Edwards & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 3, 1953. Children's, Misses', and Ladies' Shoes Made From Leather, Fabric, and/or Combinations of Leather and Fabric. Class 39.
- 299,963. **"SEAL PAKT" ETC. AND DRAWING.** Registered Jan. 3, 1933. C. E. Wilson & Company, Inc., Manchester, Conn. Renewed Jan. 3, 1953, to C. E. Wilson Nurseries, Jacksonville, Tex., and Manchester, Conn., a corporation of Texas. Nursery Stock. Class 1.
- 300,161. **DEMI-JOUR.** Registered Jan. 10, 1933. Houbigant, Inc., New York, N. Y., a corporation of New York. Renewed Jan. 10, 1953. Perfume, Toilet Water, Face Powder, Talcum Powder, Etc. Class 51.
- 300,288. **BRISGO.** Registered Jan. 10, 1933. Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Renewed Jan. 10, 1953. Depilating Compound. Class 51.
- 300,391. **"COMANCHE CHIEF" AND DRAWING.** Registered Jan. 17, 1933. De Leon Peanut Company, De Leon, Tex., a corporation of Texas. Renewed Jan. 17, 1953. Shelled Peanuts. Class 46.
- 300,737. **REPRESENTATION OF LABEL LINED FOR RED, YELLOW, AND GREEN.** Registered Feb. 7, 1933. Fanning Bread and Butter Pickle Company, Inc. Renewed Feb. 7, 1953, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Pickles. Class 46.
- 300,817. **"KOOL" WITHIN RECTANGLE DESIGN.** Registered Feb. 7, 1933. Brown & Williamson Tobacco Corporation, Louisville, Ky., a corporation of Delaware. Renewed Feb. 7, 1953 (Supplemental Register). Cigarettes. Class 17.
- 300,965. **EVERSHARP.** Registered Feb. 14, 1933. The Wahl Company. Renewed Feb. 14, 1953, to Eversharp, Inc., Chicago, Ill., a corporation of Delaware. Writing Ink. Class 11.
- 300,970. **"HALVAN."** Registered Feb. 14, 1933. Halcomb Steel Company, Geddes, Syracuse, N. Y. Renewed Feb. 14, 1953, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey. Steel in the Form of Bars, Rods, Billets, Etc. Class 14.
- 300,997. **FLORAISON HOUBIGANT.** Registered Feb. 14, 1933. Houbigant, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 14, 1953. Perfumes, Toilet Water, Face Powder, Etc. Class 51.
- 301,215. **▶ TRITON ◀.** Registered Feb. 21, 1933. Empire Twine & Yarn Co., Inc., New York, N. Y., a corporation of New York. Renewed Feb. 21, 1953. Twine and Cordage Made of Cotton, Hemp, Flax, Etc. Class 7.
- 301,431. **LOUNJAMA.** Registered Feb. 28, 1933. The Enro Shirt Company, Inc., Louisville, Ky., a corporation of Kentucky. Renewed Feb. 28, 1953. Pajamas for Men, Women, and Children. Class 39.
- 301,600. **REPRESENTATION OF BARREL WITH BLUE BAND.** Registered Mar. 7, 1933. The Colorado Fuel and Iron Company. Renewed Mar. 7, 1953, to The Colorado Fuel and Iron Corporation, Denver, Colo., a corporation of Colorado. Staples, Including Fence Staples, Poultry Netting Staples, Etc. Class 13.
- 301,650. **FAG.** Registered Mar. 7, 1933. Louisiana State Rice Milling Company, Inc., Abbeville, La., a corporation of Louisiana. Renewed Mar. 7, 1953. Rice. Class 46.
- 301,670. **SAVEALL.** Registered Mar. 7, 1933. Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 7, 1953. Water Motors and Portable Hand Fire Extinguishers. Class 23.
- 301,698. **A. W. FABER, "CASTELL" AND DESIGN.** Registered Mar. 14, 1933. A. W. Faber, Inc. Renewed Mar. 14, 1953, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. Rulers, Calculating Rules, Squares, Triangles, and T-Squares. Class 26.
- 301,699. **A. W. F.** Registered Mar. 14, 1933. A. W. Faber, Inc. Renewed Mar. 14, 1953, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. Rulers, Calculating Rules, Squares, Triangles, and T-Squares. Class 26.
- 301,721. **LIFE GUARD.** Registered Mar. 14, 1933. Lindsay Farm Bureau Fruit Assn. Renewed Mar. 14, 1953, to Lindsay Citrus Growers Association, Lindsay, Calif., a corporation of California. Fresh Citrus Fruits. Class 46.

301,971. GUARDITE. Registered Mar. 21, 1933. The Guardite Corporation. Renewed Mar. 21, 1953, to Guardite Corporation, Chicago, Ill., a corporation of Delaware. Gaseous Fumigating Material Particularly Adapted for Fumigating and Curing Tobacco, Food Stuffs, Etc. Class 6.

301,974. ENTACARB. Registered Mar. 21, 1933. Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey. Renewed Mar. 21, 1953. Alkaline Tablets for Use in Correcting Acid Conditions of the Stomach. Class 18.

301,992. SERVVESTOS. Registered Mar. 21, 1933. Thermold Rubber Company. Renewed Mar. 21, 1953, to Thermold Company, Trenton, N. J., a corporation of Delaware. Brake Linings. Class 35.

302,023. "MARVELS" ETC. AND DESIGN. Registered Mar. 21, 1933. Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 21, 1953. Cigars, Cigarettes, and Tobacco. Class 17.

302,027. EXPAN-TEX. Registered Mar. 21, 1933. The Cooke & Cobb Company, Brooklyn, N. Y. Renewed Mar. 21, 1953, to The Cooke & Cobb Company, New York, N. Y., a corporation of New York. Expanding Files, Expanding Envelopes, File Pockets, Etc. Class 37.

302,078. ANTISO. Registered Mar. 28, 1933. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Mar. 28, 1953, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Soap. Class 52.

302,118. OLD JORDAN. Registered Mar. 28, 1933. Robert L. Crigler, Covington, Ky. Renewed Mar. 28, 1953, to The Foster Trading Corporation, Louisville, Ky., a corporation of Delaware. Whisky. Class 49.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

284,247. "OWECO". Registered June 23, 1931. The Oil Well Engineering Company, Ltd., New York, N. Y., and London and Stockport, England. Well-Boring Plants for Boring Oil, Gas, Water, and Salt Wells—Namely, Drilling Tools and Machinery for Operating Same, Steel Derrick, Rigs, Boilers, Pumps, Engines; Tools for Handling the Steel Casing Used in Oil Wells and for Cementing Same, Etc. Class 23. Corrected as follows: In the statement, column 1, lines 24 and 25, for "CASING SPLINTERS" read *CASING SPLITTERS*.

558,184. PEGGY PARKS. Registered Apr. 29, 1952. Alex Carafiol, Inc., St. Louis, Mo. Women's, Misses', and Junior Misses' Dresses, Frocks, and Blouses. Class 39. The drawing is hereby amended to appear as follows:

**PEGGY
PARKS**

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 354,291. Registered Feb. 8, 1938. Manufacturing Laboratories, Inc., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

NU-PRO

Sole Mellow

The term "Sole Mellow" is disclaimed apart from the mark as shown.

For Preparation for Mellowing Leather.
Claims use since May 27, 1936.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 351,926. Registered Nov. 16, 1937. Li & Fung, doing business as Ming Hing, Canton, China. Republished by Li & Fung, Ltd., Hongkong, China, a corporation of Hongkong.



The word "Brand" together with the representation of the goods is disclaimed apart from the mark as shown.
For Firecrackers and Fireworks.
Claims use since May 1930.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 34,988. Registered July 31, 1900. Judge & Dolph Pharmaceutical Company, St. Louis, Mo. Republished by The Baldwin Corporation, Jersey City, N. J., a corporation of New Jersey.

Cystogen

For Diuretic and Genito-Urinary Germicide for Ailments and Diseases of the Genito-Urinary Organs and Remedy in the Treatment of the Gouty Diathesis.
Claims use since Nov. 1, 1898.

Reg. No. 392,682. Registered Jan. 6, 1942. Ira Lichtenstein, Baldwin, N. Y. Republished by registrant.



For Preparation for the Relief of Piles.
Claims use since Sept. 1, 1934.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 294,809. Registered June 7, 1932. Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MICROMAX

For High Sensitivity High Speed Recorders of Magnitudes of Temperature, Humidity, Frequency, Speed, Pressure, Conductivity, Ion Concentration, Rate of Flow of Fluids, Electric Current, Electrical Impedance, Electrical Potentials and Voltages, and Composition of Mixtures; Recorders Controlled by a Member Deflecting in Response to the Magnitude or Changes in Magnitude To Be Recorded; High Sensitivity Electric Controllers and Regulators of Temperature, Humidity, Conductivity of Fluids, Ion Concentration, Combustion, Rate of Flow and Pressure of Fluids, Composition of Mixtures, Electric Circuits, Electric Currents, Electromotive Forces, and Electrical Impedances; for Electric Controllers of Steam Generator Furnaces and for Electric Controllers of Steam Generation; for Electric Controllers, Regulators, and Governors of Speed and Frequency; and for Electric Controllers and Regulators of Frequency of Electric and Mechanical Vibration.

Claims use since Sept. 22, 1931.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 188,608. Registered Sept. 2, 1924. Savoy Watch Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ELMOR

For Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since about Mar. 26, 1924.

Reg. No. 234,239. Registered Oct. 18, 1927. Savoy Watch Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since Apr. 15, 1927.

Reg. No. 335,160. Registered May 26, 1936. Savoy Watch Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Medal of Perfection" and "Watch" are disclaimed apart from the mark as shown.
For Gold, Silver, and Platinum Watches.
Claims use since Aug. 20, 1935.

Reg. No. 344,657. Registered Mar. 30, 1937. Savoy Watch Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The word "Watches" is disclaimed apart from the mark as shown.
For Gold, Silver, and Platinum Watches.
Claims use since May 12, 1916.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 270,961. Registered May 20, 1930. Calsodent Company, Inc., New York, N. Y. Republished by Poloris Company, Inc., Jersey City, N. J., a corporation of New Jersey.

CAL-SO-DENT

For Toothbrushes.
Claims use since about May 1, 1929.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 291,992. Registered Mar. 1, 1932. The Rome Company, Inc., Chicago, Ill. Republished by Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware.

President

For Beds, Bed Springs, Mattresses, Box Springs.
Claims use since on or about May 1, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 420,712. Registered Apr. 30, 1946. J. Ralph Fouts, Pittsburgh, Pa. Republished by registrant.

efco

For Linings for Brake Shoes, and Brake Bands.
Claims use since Apr. 2, 1936.

CLASS 39

CLOTHING

Reg. No. 303,684. Registered June 6, 1933. A. S. Beck Shoe Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

Air-flex

For Boots, Shoes, and Slippers, Made Wholly or in Part of Leather and Fabric.
Claims use since June 10, 1931.

Reg. No. 358,670. Registered July 19, 1938. A. S. Beck Shoe Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

Delitox

For Hosiery for Men and Women.
Claims use since Mar. 3, 1938.

Reg. No. 362,282. Registered Nov. 15, 1938. A. S. Beck Shoe Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

Culture-Poise

For Men's and Women's Shoes and Slippers Made of Leather and/or Fabric, or Mixture of These Materials.
Claims use since May 19, 1938.

Reg. No. 399,711. Registered Jan. 26, 1943. A. S. Beck Shoe Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

LIMBERLACK

For Men's and Women's Shoes and Slippers Made of Leather and/or Fabric, or Mixtures of These Materials.
Claims use since May 28, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 192,135. Registered Nov. 25, 1924. Randolph Marketing Company, Los Angeles, Calif. Republished by Nash-De Camp Company, Visalia, Calif., a corporation of California.

TERRIER

For Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables, and Fresh Cantaloupes.
Claims use since 1917.

Reg. No. 334,119. Registered Apr. 21, 1936. Pillsbury Flour Mills Company, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

SILVERTEX

For Flour Made From Wheat.
Claims use since Nov. 7, 1935.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 389,798. Registered Aug. 19, 1941. The Kerr Ice Cream Company, Cincinnati, Ohio, assignor to George P. Gundlach, doing business as Esmond, Gundlach and Company. Republished by G. P. Gundlach & Co., Inc., Cincinnati, Ohio, a corporation of Ohio.

Romance

For Ice Cream.
Claims use since Mar. 1, 1940.

Reg. No. 415,489. Registered Aug. 7, 1945. Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., assignor to Mason, Au & Magenheimer Confection Mfg. Co. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y., a corporation of New York.

**MASON'S
MALOBAR**

The word "Mason's" is disclaimed apart from the mark as shown.
For Candy.
Claims use since Sept. 18, 1917.

CLASS 47

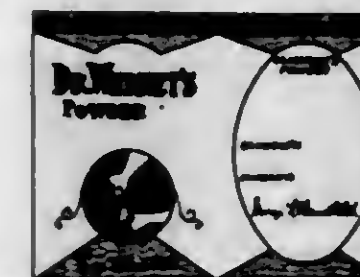
WINES

Reg. No. 402,526. Registered July 27, 1943. Schenley Import Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

MIMOSA

For Wines.
Claims use since Sept. 4, 1941.

Reg. No. 267,532. Registered Feb. 25, 1930. Wernet Dental Mfg. Co., Inc., New York, N. Y., a corporation of Delaware. Republished by registrant, present address Jersey City, N. J.



The word "Powder," the representation of the container, and the manner of using the preparation are disclaimed apart from the mark as shown. The drawing is lined for red.

For Dental Preparation in the Form of a Powder for Causing False Teeth To Adhere to the Human Gums.
Claims use since June 24, 1919.

Reg. No. 267,771. Registered Feb. 25, 1930. Wernet Dental Mfg. Co., Inc., New York, N. Y., a corporation of Delaware. Republished by registrant, present address Jersey City, N. J.



The representation of the container, the representation of the mode of using the preparation, and all the wording except the word "Wernet's" and "Denture" are disclaimed apart from the mark as shown. The drawing is lined for red.

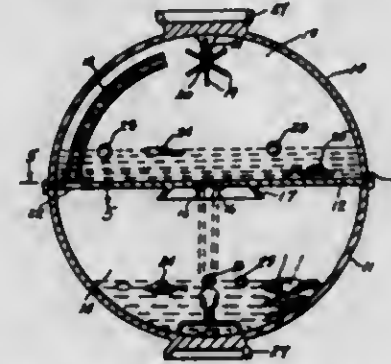
For Preparation Used for the Cleansing of Artificial Teeth.
Claims use since May 16, 1929.

REISSUES

JANUARY 13, 1953

23,612

TRANSPARENT HOLLOW TOY BALL
Mona Cordell Abel, Kew Garden Hills, N. Y.
Original No. 2,515,171, dated July 18, 1950, Serial
No. 670,989, May 20, 1946. Application for re-
issue July 16, 1951, Serial No. 237,004
14 Claims. (Cl. 46—41)

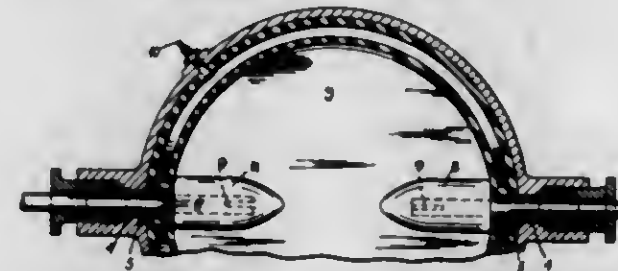


1. An invertable toy comprising a pair of transparent hollow sections secured together to form a chamber, an apertured compartmenting member secured within said chamber and dividing the interior into a pair of compartments, a rotatable water-wheel disposed in one of the compartments, a toy figure disposed in the other of said compartments, a quantity of liquid within the toy, said liquid being transferrable selectively from one compartment to the other via said apertures, said toy also containing a plurality of free objects, external base portions on opposite sides of the toy so located that when the toy rests on one base the figure is showered with liquid and a vent pipe providing communication between said compartments, the area of opening in said vent pipe being greater than the area of any of the apertures.

23,613

BUTTERFLY VALVE
Alfred C. Danks, Cleveland, Ohio
Original No. 2,488,380, dated November 15, 1949,
Serial No. 584,768, March 26, 1945. Application
for reissue August 2, 1950, Serial No.
177,324

6 Claims. (Cl. 251—11)



1. A valve comprising a body having a cylindrical passage, an annular recess opening into said passage, and diametrically opposed apertures extending outward radially from said recess, a disc in said passage having [shaft means] hubs, shafts extending outwardly from said hubs into said apertures, bearings on the [shaft means] shafts in said apertures, and means for preventing fluid flow in said passage when the disc is in closed position, said means comprising a one-piece, hollow, resilient ring filling said

666 O. G.—26

recess, [and extending around said bearings, said ring pressing against the peripheries of said bearings and against the periphery of the disc in the vicinity of said bearings with fluid-sealing contact.] said ring being engageable with the ends of the hubs entirely around the shafts, with the full circumference of the bearings on the shafts and with the remainder of the periphery of the disc, and conduit means for delivering fluid under pressure into said ring and pressing the latter against the hubs, bearings and periphery of the disc with fluid-sealing contact.

23,614

METHOD OF TREATING WATERS, INCLUDING BOILER WATERS, AND COMPOSITION THEREFOR

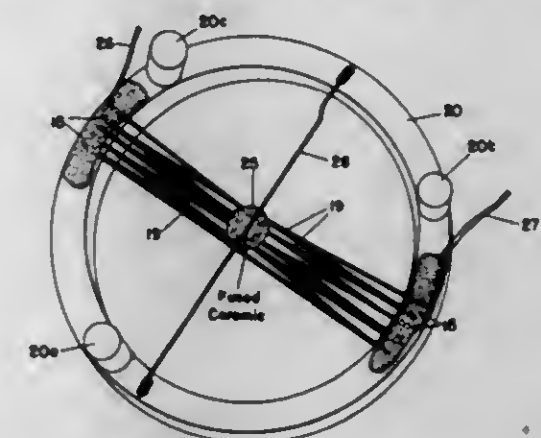
Wayne L. Denman, Oak Park, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Original No. 2,400,543, dated May 21, 1946, Serial No. 321,140, February 27, 1940. Application for reissue March 1, 1952, Serial No. 274,520

29 Claims. (Cl. 210—23)

28. The process of treating water which includes adding to the water in an amount not in excess of 500 parts per million, a compound selected from the group consisting of aliphatic primary and secondary amines and salts of such amines readily hydrolyzable into the free amines, said amines having at least eleven carbon atoms in an alkyl radical thereof per molecule.

23,615

COMPENSATED THERMOPILE
William G. Fastle, Owings Mills, Md., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Original No. 2,601,508, dated June 24, 1952, Serial No. 139,308, January 18, 1950. Application for reissue August 14, 1952, Serial No. 304,454
35 Claims. (Cl. 136—4)



1. A temperature-responsive device comprising at least one thermocouple, means supporting said thermocouple with its hot junction disposed for application of heat thereto, and a thermal shunt electrically insulated from said hot junction but thermally intimately connected thereto and forming at least one heat-conduction path from said hot junction to the cold junction of said thermocouple.

377

PLANT PATENTS

GRANTED JANUARY 13, 1953

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,160

NECTARINE TREE

Frederic W. Anderson, Merced, Calif., assignor to Kim Brothers, Reedley, Calif., a partnership
Application March 17, 1952, Serial No. 277,031
1 Claim. (Cl. 47-62)

A new and distinct variety of nectarine tree substantially as described and illustrated, bearing large, firm, yellow fleshed freestone fruit yellow in color but almost completely overspread with red; such fruit ripening approximately one month later than the Sun Grand nectarine, immediately subsequent to the clingstone Le Grand nectarine, and substantially with or a few days earlier than the Stanwick nectarine.

378

1,161

NECTARINE TREE

Frederic W. Anderson, Merced, Calif., assignor to Thomas Burton Stribling, Jr., doing business as Stribling's Nurseries, Merced, Calif.
Application March 17, 1952, Serial No. 277,032
1 Claim. (Cl. 47-62)

A new and distinct variety of nectarine tree substantially as described and illustrated, bearing large, firm, yellow fleshed freestone fruit with yellow skin splashed and mottled with red; such fruit ripening approximately with the clingstone Le Grand nectarine and J. H. Hale peach, and being more globose in shape than said Le Grand nectarine.

PATENTS

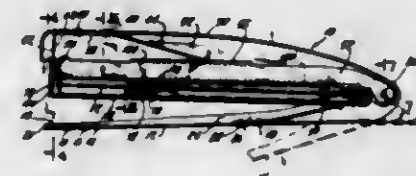
GRANTED JANUARY 13, 1953

GENERAL AND MECHANICAL

2,624,878

STAPLING MACHINE

Herbert W. Marano, Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 27, 1950, Serial No. 158,462
6 Claims. (Cl. 1-3)



1. In a stapling machine including a base, an upper member of inverted channel shape, and a staple driver blade projecting downwardly therefrom at the front end thereof, with the rear end of the upper member being pivotally supported on the base; the improvements comprising a lower member of channel shape open at the top and forming a magazine for staples, the rear end of the lower member being pivotally supported at the rear end of the upper member; a means at the front end of the lower member for retaining the staples; a staple supporting trackway disposed within the lower member and spaced from the sides thereof and from the staple retaining means; a pusher movably supported on the trackway for engaging the staples; yieldable means in the magazine to urge the pusher forward for moving the staples towards the retaining means; inwardly directed fingers on the opposite sides of the pusher extending towards each other, the trackway at the rear thereof having detents for the fingers, means for tilting the pusher with its front end upwards of the trackway upon manual retraction thereof for engaging the detents by the fingers thereby preventing the pusher from being moved by the urging means; a driver guide between the cover and the upper member and interengaged with the cover to pivot therewith, the cover and the guide being manually separable from the lower member substantially simultaneously to expose the interior of said lower member and the pusher therewithin; and means on the driver guide for yieldably depressing the raised front portion of the pusher when the upper member and guide are moved downwardly thereby releasing the pusher for forward movement under action of the urging means.

2,624,879

NAIL DRIVER

Frank J. Baird, San Francisco, Calif.
Application September 8, 1951, Serial No. 245,754
1 Claim. (Cl. 1-47)

A nail driver comprising a nonmagnetic tube adapted to contain a nail or the like to be driven; a magnetized ram slidably mounted within said tube and adapted to drive a nail or the like held therein beyond one end of said tube; a magnetically attracted handle mounted upon the opposite end of said tube; and a magnetized handle

on the end of said ram adjacent the handle on said tube and adapted to magnetically hold said

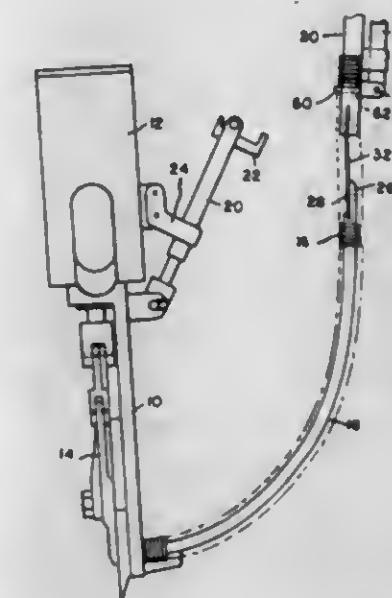


handles in contact and said ram fully within said tube.

2,624,880

LOADING APPARATUS FOR RING CLINCHING DEVICES

Alvin C. Lind, Detroit, and Bernard M. Zuhn, Mount Clemens, Mich., assignors to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application December 12, 1949, Serial No. 132,472
8 Claims. (Cl. 1-49.6)



1. Apparatus for loading a predetermined number of C-shaped clinch rings having open sides onto a supply arm of a clinch gun comprising a loading bar on which a multiplicity of C-shaped clinch rings is disposed in alignment with the open sides of said clinch rings exposing one side of said bar, a detachable connector at one end of said bar for engagement with the free end of the supply arm of a gun, measuring stop mechanism on said bar comprising a lever pivoted to the bar at the side thereof exposed by the open sides of the C-shaped rings, said bar having spaced openings therethrough at opposite sides of the pivot connection of said lever extending from the exposed side of said bar to the opposite side, stop pins in said openings projectible therethrough to engage rings on said bar, said pins being operably connected with said lever to move concurrently in ring engaging and disengaging direction respectively upon movement of said lever, said pins being spaced apart by a distance equal to that occupied by a complete load of rings.

379

2,624,881

COIN HALTER

Jennie Dunson Lee, La Grange, Ga.
Application June 15, 1950, Serial No. 168,332
1 Claim. (Cl. 2-42)



A money halter comprising a front panel, having upwardly extending portions, tie straps connected to the respective upwardly extending portions and adapted to extend over the shoulders and to be tied about the back of the neck of the wearer, tie straps connected to outer ends of the panel and adapted to tie about the back of the wearer, said front panel being formed of inner and outer layers, pocket wall pieces disposed between said layers, vertical stitching extending upwardly at the center of the panel and transverse stitching extending along the bottom of the panel including the layers and the pocket wall pieces, said outer layers being slit and provided with slide fastening means having parts connected to the sides of the slit, one of said pocket wall pieces also being slit adjacent to the slit of the outer layer and the parts of the slide fastener being connected to the slitted wall piece as well as to the outer layer, the other pocket wall piece being free at its upper edge and providing between the pocket wall piece and the inner panel layer a secret pocket accessible from the top of the pocket provided by the first mentioned wall piece and the other wall piece, and a flap extending downwardly over the slide fastener opening and connected to the top of the panel to serve as a covering to conceal the slide fastening means.

2,624,882

SLIP

Sylvia Roodner, New York, N. Y.
Application December 4, 1950, Serial No. 199,043
5 Claims. (Cl. 2-73)



1. A slip of the character described comprising a front panel, a rear panel and a pair of identically shaped side inserts, the said panels and inserts being connected to each other to form a bodice section and a depending skirt section, said front panel having lateral edges upwardly and inwardly inclined from points spaced above the lower edge of said skirt section to the bodice section, said lateral edges having upper portions thereof laterally and outwardly curved above said

points, the side inserts diverging upwardly from said lower spaced points to the armpit portions of the bodice section.

2,624,883

TIE FORMING AND HOLDING PIN

Walter R. Rees, Kansas City, Mo.
Application July 25, 1949, Serial No. 106,554
3 Claims. (Cl. 2-157)

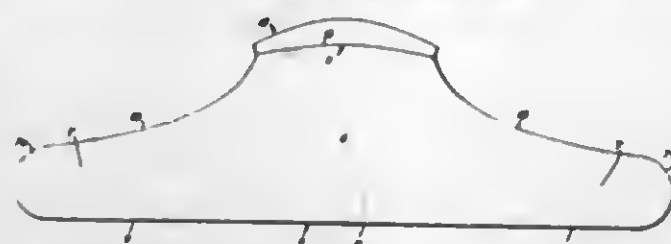


1. A support for neckties comprising an elongated member of resilient material, rebent intermediate the ends thereof to present a loop having an arcuate bight at the normally lowermost end thereof and a pair of integral arms at the normally uppermost end thereof, said arms extending upwardly and outwardly away from said uppermost end of the loop and diverging relatively as the outermost ends thereof are approached; and a tie-engaging element on each arm respectively at said outermost end thereof remote from the loop, said elements being in a common plane and said loop being in a second plane spaced from the plane of said elements, said arms being crossed adjacent said uppermost end of the loop for sliding interengagement, whereby as the elements are moved toward each other to increase the size of the loop, the distance between the plane of the elements and the plane of the loop is increased.

2,624,884

HEADRESS

Julia S. Degnon, Jamaica, N. Y.
Application April 17, 1950, Serial No. 156,289
1 Claim. (Cl. 2-198)



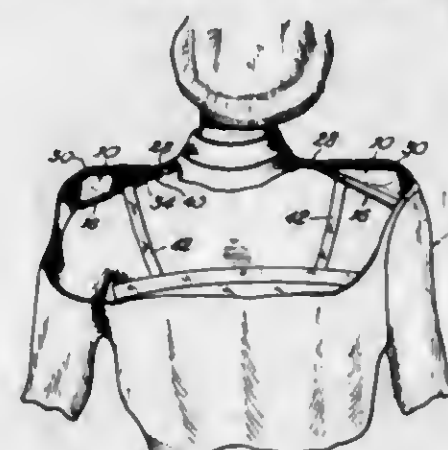
A headress comprising a single sheet of elongated material having a relatively wide intermediate portion adapted to be placed over the head and a pair of relatively narrow end portions adapted to form streamers, the rear edges of said intermediate and end portions being straight and constituting continuations of one another, said intermediate portion having a convex front edge portion angulated to provide a flange, said end portions having substantially semi-circular outer end edges and concave front edges extending from the respective end edges to the respective opposite ends of the convex front edge of the intermediate portion, a soft flexible roll co-extensive with said convex front edge and comprising a fibrous core having an oval cross-section and an envelope provided on said core, said envelope comprising a sheet of material having superposed lateral edges positioned on and co-extensive with said flange, a reinforcing strip positioned on one of said lateral edges remote from said flange, stitching securing said strip and said lateral edges to the flange, said roll being substantially thick at the center thereof and tapered toward its ends, and an elastic band having oppo-

site ends thereof secured to respective opposite ends of said roll, said band being adapted for positioning around the back at the base of the head of the wearer, whereby to draw the roll and the front of said intermediate portion around the top and sides of said head to sustain the headdress in position.

2,624,885

SHOULDER PAD

Katie Lee MacManus, Apopka, Fla.
Application July 1, 1950, Serial No. 171,688
1 Claim. (Cl. 2-268)



A shoulder pad adapted to be removably attached to the inside of a garment, said pad comprising a body tapering from its inner end to its outer end and, when attached to said garment, extending along the shoulder of the wearer, a first tape doubled upon itself to form a loop and attached to the central part of the outer body end portion directly underlying said garment to form a first loop extending generally axially of said shoulder and adapted to project outside of the contour of said pad body and also adapted to have the shank of a safety pin threaded therethrough and rotatably retained therein so as to extend generally transversely of said body, a second tape having one end doubled up upon itself and attached to the inner body end portion directly underlying said garment to form a second loop extending generally axially of said shoulder and adapted to project outside of the contour of said pad body and also adapted to have the shank of a safety pin threaded therethrough and rotatably retained therein so as to extend generally transversely of said body, said second tape further extending on the under side of said body along said shoulder and being doubled up upon itself to form a third loop, the upper half of said third loop being attached to the under side of said body, and snap means for removably attaching the free end of said second tape to the attached portion thereof to open and close said third loop.

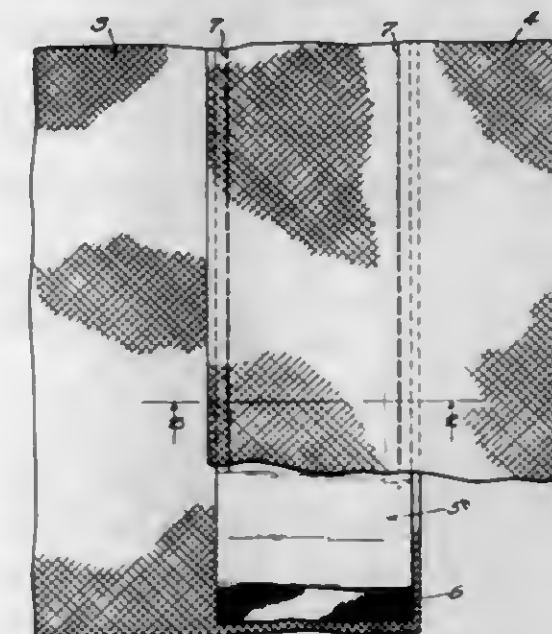
2,624,886

SEAM FOR TARPAULIN OR OTHER WATERPROOF FABRIC

John Herman, Chicago, Ill., assignor to J. W. Johnson Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1948, Serial No. 59,634
4 Claims. (Cl. 2-276)

1. A waterproof fabric article comprising: a plurality of pieces of waterproof fabric, the adjoining edge portions of any pair of said pieces being stitched in overlapping relationship with a thread; and a sealing strip of a solid elastomer between said overlapping edge portions and pierced by said thread, said elastomer being mal-

leable under pressure in the solid state at ambient temperature and having bonded on at least one face a sheet of strengthening material which is freely torsionable in the plane of its surface, and said elastomer being compressed close around the

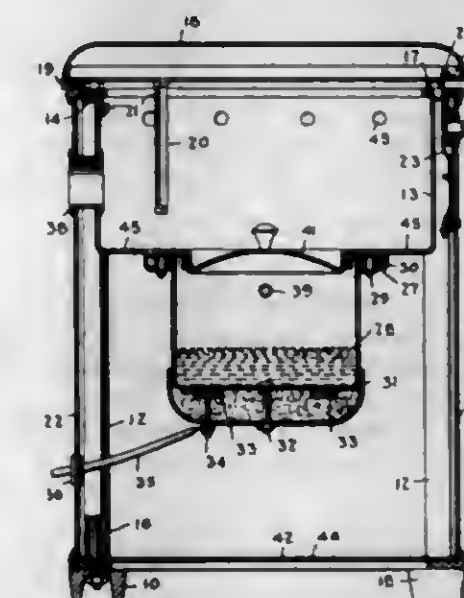


thread so that its malleability causes it to form a watertight seal therearound, said article being characterized by a complete absence of elastomer in the needle holes in the waterproof fabric, in the interstices of said fabric, and in the plies of the thread.

2,624,887

STEAM BATH

Louis A. Pessina, Jacksonville, Ill.
Application January 6, 1951, Serial No. 204,779
2 Claims. (Cl. 4-164)



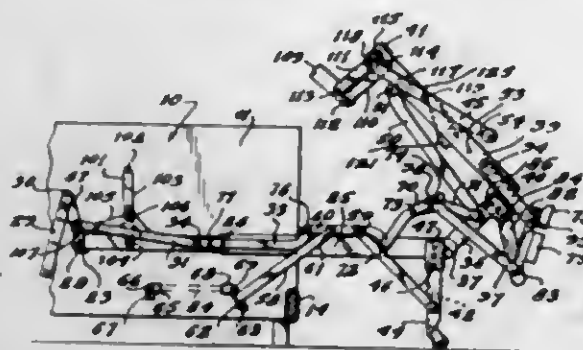
1. A portable steam cabinet comprising a steam generator, a vertical shield encircling said generator and open at its bottom for the admission of air, an imperforate steam outlet pipe leading laterally from the upper part of said generator to the exterior of said vertical shield, a foraminous storage container within said shield and above said steam generator, a cover for the storage container serving also as a seat and as a lid for the vertical shield, said cover being spaced from the upper edge of said shield so that when the steam generator is hot a thermal current of air from the bottom of the shield is drawn up through the storage cabinet and out through the space between the cover and the shield, while the steam passes from the generator to the exterior of

the vertical shield through the imperforate outlet pipe without being permitted to rise into the foraminous storage container.

2,624,888

LOVE SEAT BED WITH RESILIENT FRONT PANEL

Peter P. Beby, Jamaica, N. Y., assignor to Beby Bedding Corporation, Bayonne, N. J., a corporation of New York
Application November 3, 1950, Serial No. 193,992
7 Claims. (Cl. 5-13)



5. In an article of furniture of the character described, a furniture frame, a foldable seat and bed forming frame composed of a plurality of sections pivotally connected together and to the furniture frame for movement from collapsed folded condition within the furniture frame to an extended condition in which the sections are arranged in alignment, a transversely extending front panel, means connecting said front panel with said foldable frame for movement from an out-of-the-way position when the foldable frame is in said extended relation to a position closing a front opening in said furniture frame when the foldable frame is in collapsed condition therein, and spring means connected with the aforesaid means and arranged to resiliently support the front panel and tensioning the front panel against downward movement when in said position in the front opening to thereby provide a resilient front support for a seat cushion.

2,624,889

COUCH HINGE

Edwin G. Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application November 1, 1948, Serial No. 57,722
3 Claims. (Cl. 5-57)



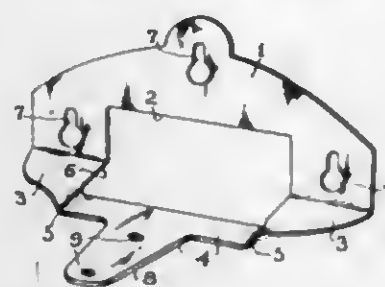
3. In a hinge of the character described, a pair of hinge members pivoted together for relative rotation into a locked position and into a released position, a locking member pivoted to one of the hinge members and having a guide groove therein, said locking member having a flat front wall and a flange depending from the entire periphery of the front wall, a pin projecting from the other hinge member, said pin entering the groove and being moved positively in the groove by said other hinge member when said hinge members are rotated relatively to and away from each other toward and from the locked position of the hinge members, said pin leaving the groove

when the hinge members are rotated toward each other into the released position of the hinge members, said pin being at all times within the flange of the locking member, a member yieldable under the pressure of the pin and having a free end normally closing one end of the groove to permit the pin to leave the groove and to pass the yieldable member on the rotation of the hinge members toward each other, said yieldable member being inclined to the walls of the groove to direct the pin toward the other end of the groove on the rotation of the hinge members away from each other, said other end of the groove having a reentrant locking portion adapted to receive and releasably lock the pin therein, a pivot pin hinging the locking member to said one of the hinge members, and a spring coiled about the pivot pin and engaging the flange and urging the locking member to rotate positively about the pivot pin in a given direction relatively to the first-mentioned pin whereby the locking member is operative to lock the hinge members together when the first-mentioned pin is in the reentrant portion of the groove.

2,624,890

BEDRAIL AND SLAT LOCK

Louis Rubinstein, Cleveland Heights, Ohio
Application October 7, 1949, Serial No. 120,019
7 Claims. (Cl. 5-238)



1. The combination with a bed construction of the character comprising a pair of spaced bed rails having slat-supporting cleats extending longitudinally thereof and a bed slat extending perpendicularly to said rails and having end surfaces perpendicular to the bottom, top and sides of the slat and in contiguity with the inner surfaces of said rails with the ends of said slat resting on the upper surfaces of the slat-supporting cleats, of a bed rail and slat lock comprising means for removably securing the ends of said slat to said rails, said means comprising brackets removably secured to said slat and having vertical body portions engaging the inner surfaces of said rails and extending vertically to points above the plane of the upper surface of the slat and screws securing the vertical body portions of said brackets to said rails, said brackets having depressed horizontal portions underlying the ends of said slat, the upper surfaces of said depressed portions being coplanar with the upper surfaces of said cleats.

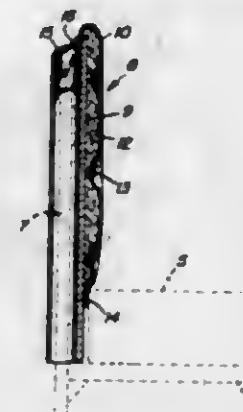
2,624,891

HEADBOARD FOR BEDS

Helen C. S. Katsoff, Kenmore, N. Y.
Application June 27, 1949, Serial No. 101,515
2 Claims. (Cl. 5-280)

1. For use in dressing and decoratively ornamenting the head of a bed and transforming the same into one having an upholstered headboard effect; a readily applicable and removable attachment for said head comprising a flat panel of light weight inexpensive wood, said panel be-

ing rigid and of an area greater than the area of the head with which it is to be detachably connected, the upper horizontal edge portion of said panel being scalloped, a covering of upholstery material, padding interposed between the upholstery material and coacting obverse portion of said panel, certain marginal edge portions of said covering extending over and beyond the corresponding marginal edge portions of the panel and being fastened to the reverse side of said panel, the remaining edge portion, a lower horizontal edge portion being spaced above the corresponding lower edge portion of the panel and

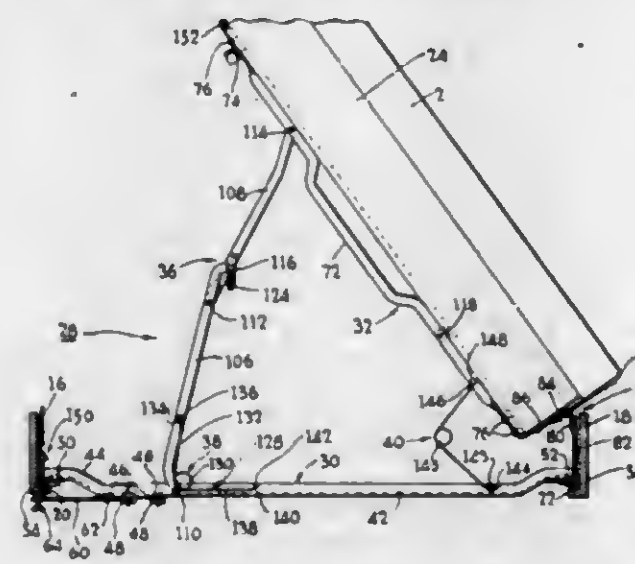


secured to the panel, other portions of the covering being tufted to provide the desired upholstered effect, the lower horizontal edge portion of said panel projecting downwardly beyond the corresponding marginal edge portion of the covering and being unobstructed and adapted to occupy the position between said head and an adjacent end of the mattress, and a comparatively cheap piece of fabric ballooned from the reverse side of the panel and having its top and vertical marginal edges secured to the panel and its remaining lower marginal edge free of attachment and defining, in conjunction with said panel, a pocket for reception of the aforementioned head.

2,624,892

BED ACCESSORY

Louis J. Wiener, New York, N. Y.
Application May 13, 1948, Serial No. 26,771
2 Claims. (Cl. 5-323)



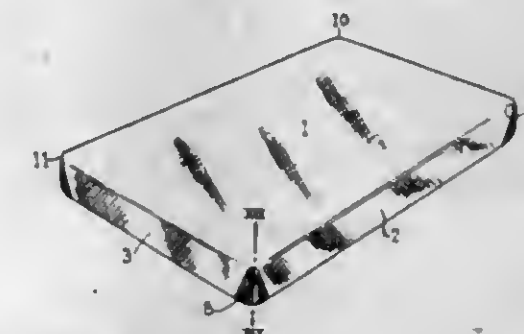
1. A bed accessory comprising a base frame, an upper frame on which a bed spring is adapted to rest, a hinge pivotally interconnecting the frames for movement between an open position in which the frames are disposed apart at an

angle to each other and a closed position in which the frames are adjacent each other, a pair of links, means to pivotally interconnect said links, means to pivotally interconnect one of said links to the base frame, means to pivotally interconnect the other of said links to the upper frame, spring means for rotating one of said links away from the frame to which it is connected, said links being approximately juxtaposed when the frames are close together, and a torsion spring including a coil portion and arms extending radially from the axis of said portion at a widely diverging angle with respect to each other when the spring is relaxed so that the distal ends of the arms are widely spaced in such condition of the spring, said spring constituting a counterbalancing means interposed between said frames, the distal end of one arm being directly secured to the base frame at a point on said frame and the distal end of the other arm being directly secured to the upper frame at a point on the latter frame, said points being adjacent one another when the frames are in closed position whereby the spring is stressed in the closed position of the frames, said torsion spring urging said frames apart, said points being closer to the hinge than the points of pivotal connection between the links and the upper and base frames.

2,624,893

MATTRESS COVERING BED SHEET

Stanley J. Harris, Mount Vernon, N. Y.
Application November 10, 1949, Serial No. 126,500
2 Claims. (Cl. 5-354)



2. As a new article of manufacture, a mattress covering sheet comprising a sheet of textile material of rectangular form with the side edges and end edges thereof joined in straight line edges at an angle of about 135° with each adjacent edge, gores, one at each corner, each gore of a flat textile material having the shape of a cross section of a triangular prism resting on one of its side faces on a parallelopiped, the free corner of the triangular prism slightly rounded and about one-half of the portion corresponding to the cross section of the parallelopiped being folded over and attached to the remaining portion, the edges of one bottom corner up and around to the other bottom corner being attached to the said straight line edge.

2,624,894

MATTRESS CONSTRUCTION

James Francis McCarthy, Mars, Pa., assignor to Treedale Laboratories and Textile Processing Company, Inc., a corporation of Pennsylvania
Application December 1, 1951, Serial No. 259,359
6 Claims. (Cl. 5-361)

3. A mattress comprising a yieldable core section, covering membranes of moisture-proof plastic film provided with enclosed cells containing

an aqueous solution over the top and bottom surfaces of the core section, superposed layers of



resilient material on the membranes and outer ticking covering the entire assembly.

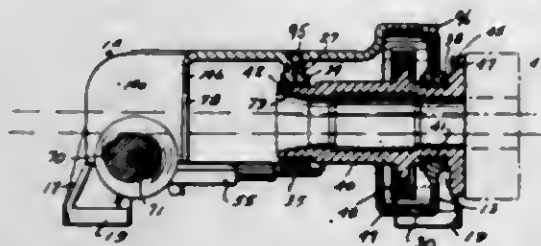
2,624,895

POWER DRIVE

Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio

Application June 17, 1949, Serial No. 99,775

2 Claims. (Cl. 10-107)



1. In a power drive, the combination of a frame, comprising a single integral casting having a top, front, rear and end walls and four downwardly extending corner sockets, said frame having a downwardly facing semi-cylindrical bearing, a member housed between said front and rear walls and having an upwardly facing semi-cylindrical bearing secured to portions of the frame depending from said top to provide a complete cylindrical bearing, a chuck barrel mounted in said cylindrical bearing, and a chuck on said barrel.

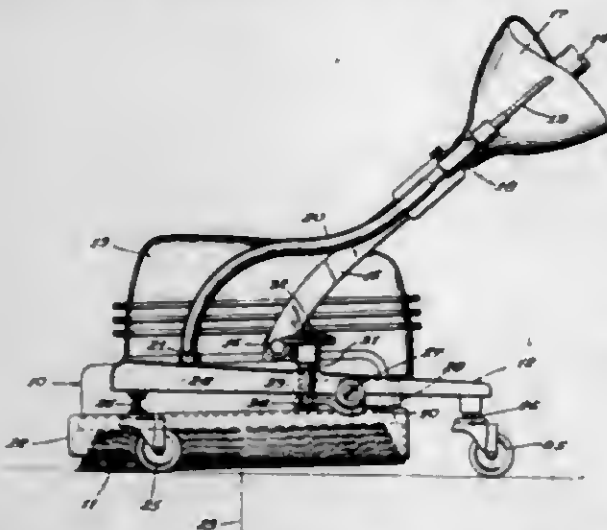
2,624,896

RUG SCRUBBING MACHINE

Kenneth C. Atkin, Muskegon, Mich., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan

Application September 13, 1948, Serial No. 49,000

3 Claims. (Cl. 15-50)



1. In a rug scrubbing machine, in combination, a main frame with a single generally flat circular scrubbing brush rotatably mounted below the frame, a motor, a motor housing adapted to enclose said motor for driving said brush, a cradle at least partially encircling said main frame, casters for

supporting said cradle, a pair of spaced trunnions pivotally connecting said main frame to said cradle on a substantially horizontal axis of rotation, and manually operated means for tilting said main frame and scrubbing brush thereon with reference to said cradle whereby the brush may be tilted and held in any desired tilted position with relation to a surface to be scrubbed, said tilting means comprising an extension forming a part of said main frame and screwthreaded means connecting said extension to said cradle whereby to cause relative movement between said main frame and brush and said cradle about the axis of said trunnions.

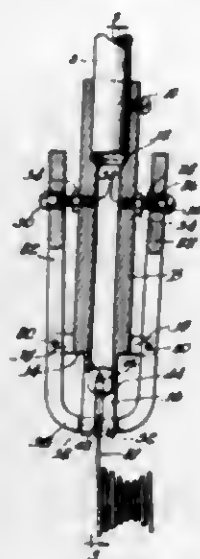
2,624,897

STRIPPING APPARATUS

Bernard A. Black and Simon Kaim, Chicago, Ill., assignors to John E. Fast & Co., Chicago, Ill., a corporation of Illinois

Application October 24, 1947, Serial No. 781,966

2 Claims. (Cl. 15-93)

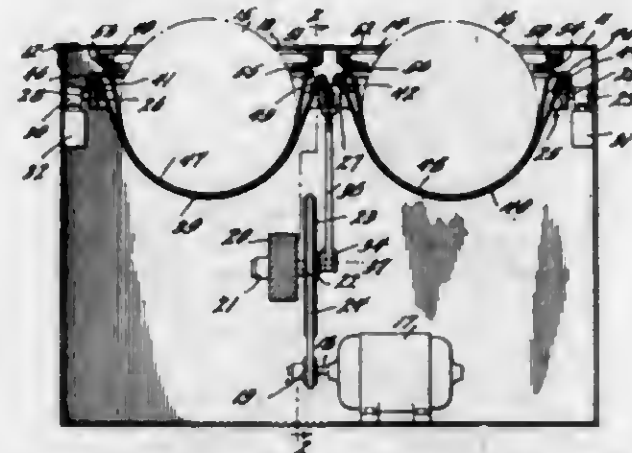


1. A wire stripping apparatus comprising a rotatable body having a first axial bore at the forward end thereof for axially receiving the wire to be stripped and a second axial bore rearwardly of and having a greater diameter than the first bore and in open communication therewith, said body being provided with radial guide slots extending from said first axial bore to the exterior of said body, cutters slidably fitted in the guide slots, portions of said first axial bore on opposing sides of said guide slots constituting forward and rear bearing portions for the wire limiting lateral movement thereof, said body being further provided with longitudinal discharge grooves circumferentially spaced from said guide slots, said discharge slots being in open communication with said first axial bore at the stripping zone between the forward and rear bearing portions and in open communication with said second axial bore at the forward end thereof immediately behind said rear bearing portion, whereby strippings from the wire are partially discharged through the discharge grooves at the stripping zone while the remaining strippings passing through said rear bearing portion are discharged from the second axial bore through the discharge grooves at the forward end of the second bore, lever means pivotally mounted on said body and engageable with said cutters, said lever means being pivotally movable in response to rotation of the body to effect pressure engagement between the lever means and cutters, advancing the cutters into stripping engagement with the wire fed into the first bore.

2,624,898

CLEANING APPARATUS FOR BOWLING BALLS AND THE LIKE

Thomas A. Newswanger, Holtwood, Pa.
Application June 16, 1947, Serial No. 754,977
11 Claims. (Cl. 15-97)

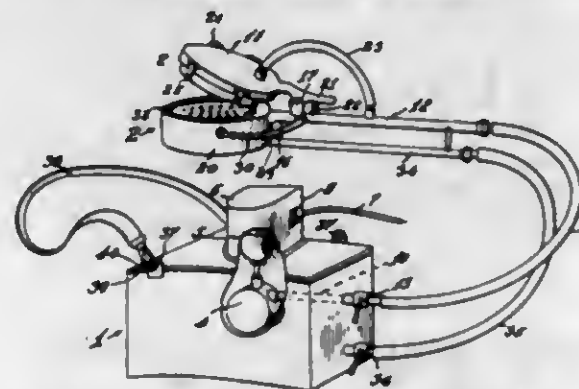


1. In a ball cleaning machine, a cabinet, a cloth pocket secured in said cabinet and shaped to partially surround a ball in said pocket, means independent of said pocket for supporting the load of the ball in the pocket and means for imparting oscillating movement to said pocket to cause relative movement between the cloth and the ball.

2,624,899

VENETIAN BLIND CLEANING DEVICE

Thomas S. Smith, Los Angeles, Calif.
Application March 12, 1951, Serial No. 215,138
4 Claims. (Cl. 15-130)



1. A slat cleaning device comprising, a container for cleaning fluid, two slat engaging members pivotally interconnected, resilient means urging the two members together, the upper member including a casing having a foraminous bottom shaped to contact the slat to be cleaned, the lower member including an outer receptacle, and a casing within the receptacle in spaced relation thereto, said lower casing having a foraminous upper surface shaped to engage the opposite surface of the slat, flexible conduits from the container to the two casings, a pump within the container forcing cleaning fluid through said conduits into the two casings and through the foraminous surfaces thereof into the outer receptacle of the lower member, and a flexible conduit from said receptacle for returning the cleaning fluid to the container.

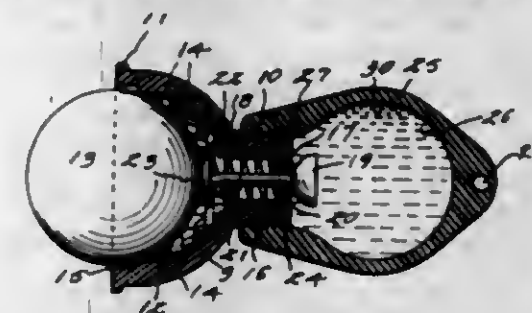
2,624,900

PORTABLE BALL CLEANER

Thomas O. Smith, Greensburg, Pa.
Application June 10, 1949, Serial No. 98,353
5 Claims. (Cl. 15-136)

1. A cleaning device for spherical objects comprising a substantially hemispherical receptacle provided with a hollow interior opening out-

wardly of its enlarged end and adapted to receive a portion of a spherical object to be cleaned, the opposite end of said receptacle being provided with an integral extension, a compressible bulb secured to said extension and provided with an internal cavity adapted to contain a cleansing liquid, said integral extension having a bore ex-



tending therethrough forming a communicating passage between the hollow interior of the receptacle and said bulb cavity, and a normally closed valve for closing said passage, said bulb being compressible for ejecting the cleansing liquid into the hollow interior of the receptacle when the valve is in an open position.

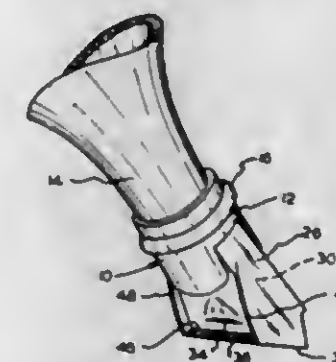
2,624,901

SPREADER TYPE APPLICATOR FOR LIQUID CONTAINERS

Darrell R. Wiley, Jackson, Mich., assignor to Lustur Seal Corporation, Jackson, Mich., a corporation of California

Application January 22, 1949, Serial No. 72,233

2 Claims. (Cl. 15-139)



1. In a container top applicator of the type having a hollow body portion adaptable to be placed in communication with the liquid-holding interior of a container, a substantially flat front wall having a slit defined therein for communication with the interior of said body portion, a spreader surface in the form of a serrated member mounted on one end of said front wall adjacent said slit and longitudinally spaced from said slit, said spreader surface projecting over the one end of said front wall in a series of spaced projections, and a pair of retaining walls formed adjacent the edges of said front wall and projecting outwardly therefrom from a point adjacent said spreader surface to a point adjacent the end of said wall opposite to said spreader surface, said retaining walls and said front wall defining a trough into which liquid is discharged through said slit from the interior of said body portion.

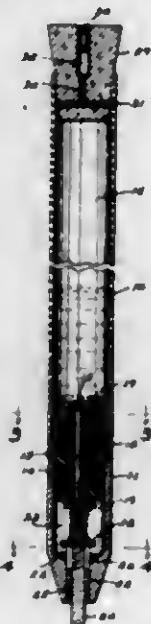
2,624,902

FOUNTAIN MARKING DEVICE WITH WORK OPERABLE VALVE

Jack O. Soldner, Willoughby, Ohio
Application March 9, 1949, Serial No. 80,425
2 Claims. (Cl. 15-139)

1. In a marking device of fountain type comprising a cylindrical barrel formed from a length

of smooth tubing open at both ends and having a removable closure for the upper end of the barrel, the combination therewith of a generally smooth cylindrical removable plug having an upper part inserted in the lower end of said barrel and of a diameter frictionally engaging said barrel so as to enclose a reservoir space within said barrel, said plug having another cylindrical part projecting from said barrel, a cup-shaped nose-piece having a cylindrical wall removably telescoped and frictionally held on said last named plug part and extending therebeyond away from said barrel, said cup-shaped portion of said nose-piece providing a chamber below said plug, there being an axial aperture extending completely through said plug to permit liquid flow



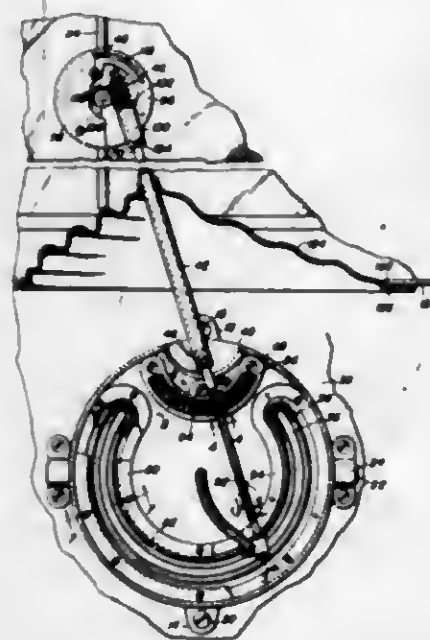
from said reservoir to said chamber, a valve carried by said plug having a head normally closing the reservoir end of said aperture and having a stem extending through said aperture into said chamber, said stem being of less diameter than said aperture to provide a liquid flow passage, an annular collar on the lower end of said stem, a helical spring surrounding said stem between said collar and plug and biasing said valve head downwardly, the bottom wall of said cup-shaped nose-piece being pierced to provide a bore concentric with said axial aperture, a wick slidably inserted in said bore, the inner end of said wick being in abutting engagement with said valve stem, and the outer end of said wick projecting outwardly from said bore, whereby inward pressure of said wick is adapted to unseat said valve.

2,624,903
WINDSHIELD WIPER ARM CONNECTOR
Fred A. Krohm, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application May 26, 1948, Serial No. 29,302
10 Claims. (Cl. 15-250)



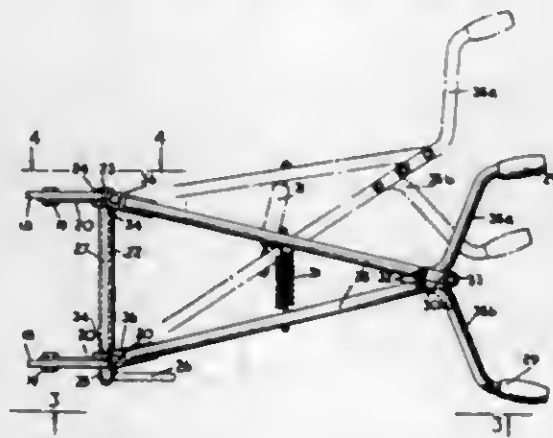
1. A connector for connection with a wiper blade unit, an arm part, means extending through the connector and part for permanently and pivotally securing the connector to the part, and a shroud member clamped on the said part, said member being formed to cover said securing means and embrace a portion of the part.

2,624,904
WINDSHIELD WIPER
Albert P. Wianco, Florence, Colo.
Application January 25, 1949, Serial No. 72,588
8 Claims. (Cl. 15-253)



1. A windshield wiper comprising a housing, a bearing pivoted to said housing for swinging movement, a shaft journaled for rotation in said bearing and swingable with said bearing, means for swinging the bearing, means for rotating said shaft, a wiper support journaled on said shaft and swingable therewith, a wiper pivoted to said support, and means forming a connection between the shaft and the wiper for swinging said wiper opposite to the swinging movement of said bearing during swinging movement of the bearing, said means for swinging said bearing including a driven gear carried by said shaft, and an arcuate rack bar having a continuous series of external teeth receiving said driven gear.

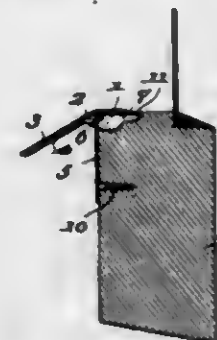
2,624,905
HANDLE STRUCTURE FOR POWER-DRIVEN VEHICLES
Arthur Clifford Howard, Upminster, England, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England
Application February 16, 1950, Serial No. 144,550
In Great Britain May 23, 1949
7 Claims. (Cl. 16-110)



1. A handle structure for power-driven vehicles adapted to be guided by means of handle-bars to be grasped by a walking operator, said handle structure including two rearwardly directed

coplanar bars, laterally spaced respective pivotal connections between the forward ends of said bars and the vehicle, the axes of said pivotal connections being parallel to each other and upwardly directed for enabling lateral swinging movement of said bars in their common plane, said bars having portions extending towards one another, a spring interconnecting said bars and biasing them towards each other about said pivotal connections, a pair of links pivoted together by a common pivot at their one ends and respectively pivoted at their other ends to said bars adjacent said extending portions whereby to form a toggle interconnecting said bars, said link pivots being parallel to said pivotal connections and said common pivot extending between said bars at rightangles to said plane, said toggle arranged to be in folded condition and with the common pivot of the toggle engaged at opposite sides by said extending portions when said bars are in their straight-behind position, and said toggle also arranged to be in straightened condition, again with its common pivot engaged at opposite sides by said extending portions when said bars are in either of their extreme lateral positions, which latter positions are determined by the straightening of the toggle, the interaction of the spring, toggle and bars biasing said bars against lateral movement from any of their three alternative positions.

2,624,906
SASH LIFTER
Edwin E. Foster, Austin, Tex.
Application July 11, 1949, Serial No. 104,015
3 Claims. (Cl. 16-115)



1. A window sash lifter comprising a frame plate adapted to be secured on the front and top parts of a sash frame of the window and having a front section contacting and secured to the front part of the sash frame and a top section bent at an approximate right angle relative to the front section to contact the top part of the sash frame, and a lifter plate hingedly secured to rotate on the frame plate at the common junction of the two sections and having a front surface member and a stop element integral therewith and bent at an angle relative to the front surface member, the front surface member of the lifter plate being normally adjacent the front section of the frame plate with the stop element projecting substantially upwardly from the top section of the frame plate and when the stop element of the lifter plate is manually contacted to force it downwardly against and adjacent the top section of the frame plate the front surface member of the lifter plate will be swung away around the hinge axis from the front section of the frame plate at an angle thereto so that it can be grasped by the hand limited by the stop element of the lifter plate contacting against the top section of the frame plate.

2,624,907
HINGE FOR MOLDED PLASTIC PARTS AND A METHOD OF MAKING THE SAME
Philip J. Graham, Worcester, Mass., assignor to Trig Corporation, Worcester, Mass., a corporation of Massachusetts
Application July 15, 1949, Serial No. 104,968
5 Claims. (Cl. 16-128)



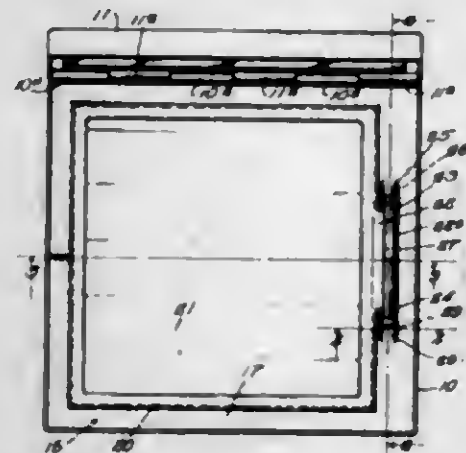
1. The method of making a hinged plastic article comprising the steps of shaping resilient plastic material to form a knuckle and cooperating yoke arms forming parts of a hinge, portions of which have rotatively interfitted substantially contiguous parallel plane faces, providing one hinge part with a round axial aperture, mounting a spherical metal pivot in the aperture in a projecting relationship, forcibly assembling the knuckle between the yoke arms and moving the pivot laterally of the hinge axis to its final axial position, while resiliently spreading the two yoke arms apart sufficiently for introducing the pivot without materially gouging the face of the other plastic hinge part over which the pivot is forced, and causing pressure to embed the pivot substantially solely by axial movement into the plastic material of the other hinge part and form a concave bearing socket interfitted with the pivot by displacing the plastic material outwardly and concentrically around the pivot.

3. A molded plastic resin box having two parts forming a receptacle and a cover, a hinge therefor comprising an arm and a knuckle of molded plastic resin which are respectively integral with said box parts, portions of the knuckle and arm having substantially contiguous, rotatively interfitted, parallel plane faces, the arm having a concave bearing socket and the knuckle having a round aperture of the same radius axially aligned with the socket, a spherical metal pivot of substantially said radius supported freely in and projecting from the aperture which is interfittedly and freely seated in said socket, the arm socket having a continuous uninterrupted concave face around the pivot, and said hinge arm, knuckle and the box parts being so constructed and of sufficient resiliency to hold said faces normally in contact and yet permit the knuckle and arm to be resiliently spread apart during assembly of the pivot so that the projecting pivot may be moved only laterally over the arm into axial alignment with the hinge axis without movement along the hinge axis or gouging the arm face materially.

2,624,908
HINGE CONSTRUCTION
Ellison S. Ireian, Elgin, Ill., assignor to Illinois Watch Case Co., a corporation of Illinois
Application June 30, 1950, Serial No. 171,405
10 Claims. (Cl. 16-128)

1. A hinge construction of the character described, comprising: a first member having a spaced pair of tongues extending longitudinally along one edge, said tongues being aligned and being spaced from said edge and parallel thereto; a second member having a socket comprising a pair of pockets positioned with their open ends facing each other, said open ends being spaced apart a distance substantially equal to the dis-

tance between the inner ends of said tongues plus the length of one of said tongues, said tongues being received in said pockets to form a



hinge between said members; and means on said tongues for preventing relative movement between said members in directions longitudinal of said tongues.

2,624,909

DOUBLE-ACTING HINGE FRAME

Clemens W. Kujawa, Cudahy, Wis.

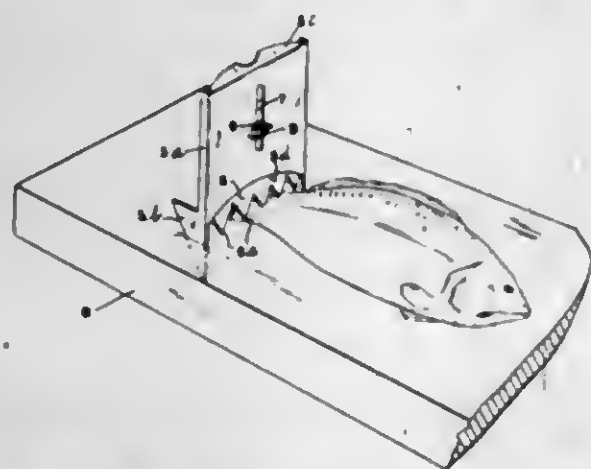
Application August 18, 1950, Serial No. 180,110
1 Claim. (Cl. 16-147)

In a double hung door structure for refrigerators and the like, an open frame plate adapted to fit flat against a refrigerator around its door opening, hinge barrels formed on the opposite outer vertical edges of the frame plate, and a latch arm and a latch support formed on the inner vertical edges of the frame plate.

2,624,910

FISHTAIL CLAMP AND MOUNTING

John X. Peterson, Minneapolis, Minn.

Application June 20, 1949, Serial No. 100,199
2 Claims. (Cl. 17-8)

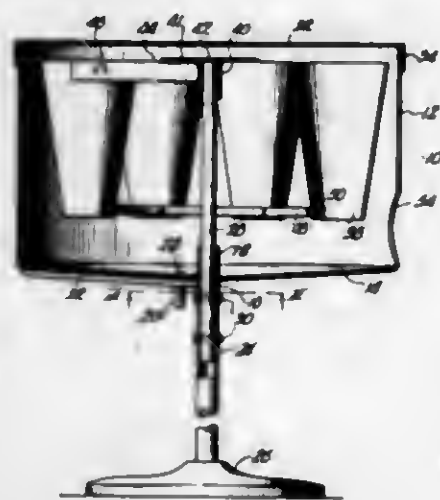
1. A fish tail clamp having in combination a body member in the form of a plate having inturned, longitudinal, rigid flanges at the sides thereof to form a pair of vertical guides, said plate being recessed at its lower portion for accommodation of the tail shank of a fish, said flanges extending downwardly below said recessed portion and being pointed at their lower ends to form prongs for attachment of the device to a

wooden block or the like, a clamping plate constructed of sheet material mounted against said body and guided between said flanges and having a lower fish-engaging portion adapted to cooperate with the supporting surface of a block to anchor the tail shank of a fish and means for interconnecting the said clamping plate and said body with provision of vertical adjustment of said clamping plate.

2,624,911

APPARATUS FOR HOLDING POULTRY DURING SLAUGHTERING

Paul W. Brown, Kansas City, Mo.

Application May 29, 1950, Serial No. 164,958
3 Claims. (Cl. 17-11)

1. Apparatus for holding poultry during slaughtering, said apparatus comprising a hollow body having a bottom wall, a side wall, and a cover; a support mounted in the body for rotation on a vertical axis; and a plurality of frusto-conical, open end, receptacles carried by the support and arranged in a circular row about said vertical axis, the base ends of the receptacles being adjacent the cover, said cover having an opening therein disposed above the receptacles for communication therewith upon rotation of the support and receptacles, said side wall having an aperture formed therein adjacent the bottom wall and in alignment with the lowermost apex ends of the receptacles.

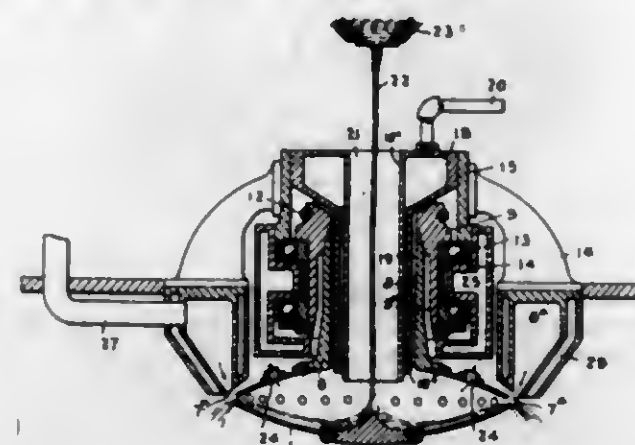
2,624,912

PROCESS AND APPARATUS FOR THE PRODUCTION OF FIBERS FROM THERMOPLASTICSPierre René Heymes and Ivan Peyches, Paris, France, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, Paris, France
Application May 28, 1947, Serial No. 750,610
In France May 31, 1946

8 Claims. (Cl. 18-2.5)

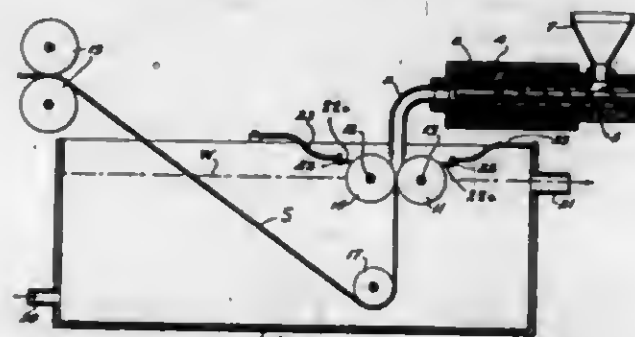
1. The hereinbefore described method of attenuating and drawing thermoplastic fibers which comprises revolving a body provided with a plurality of openings supporting a source of molten material at sufficient speed to discharge the material by centrifugal force from said openings in fiber form, providing a housing located exteriorly of said body, establishing and maintaining combustible and comburent at high temperature and pressure within said housing, discharging the gaseous products of combustion from said housing to the atmosphere through an annular constricted throat surrounding closely

the openings in the centrifuge thereby directing said gaseous products of combustion at high temperature and high velocity into the path of the fibers close to their point of discharge from the openings in the centrifuge and before any substantial loss of heat from the molten fibers to initiate and continue the attenuation and drawing of the fibers close to the discharge point of the latter from the centrifuge.



4. In apparatus for producing fibers from thermoplastic material, the combination of a centrifuge provided with a plurality of annularly arranged openings for the discharge of streamlets of thermoplastic material therefrom, a housing located exteriorly of the centrifuge and in close proximity thereto provided with walls defining a combustion chamber, said housing being provided with an annular discharge aperture opening to the atmosphere closely surrounding the openings in the centrifuge shaped to constrict and thereafter permit expansion of the gaseous products of combustion escaping from said chamber at high temperature and high velocity and to direct said gaseous products of combustion into the path of the streamlets as they issue from the openings in the centrifuge and before any substantial loss of heat therefrom whereby said streamlets are attenuated and drawn as they issue from the openings in the centrifuge, and means for maintaining combustible and comburent in said chamber.

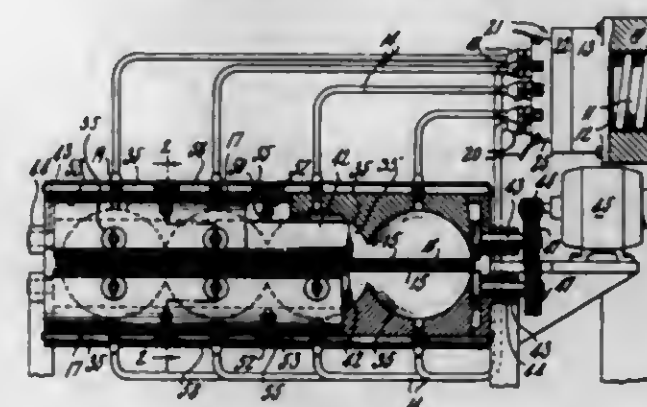
2,624,913

MECHANISM FOR FORMING STRIP STOCK FROM POLYAMIDESEugene E. Montross and Paul L. Shurr, Reading, Pa., assignors to The Polymer Corporation, Reading, Pa., a corporation of Pennsylvania
Application July 16, 1948, Serial No. 38,966
3 Claims. (Cl. 18-9)

1. Equipment for fabricating strip stock from synthetic linear polyamides comprising a liquid cooling bath, a pair of forming rolls mounted with a portion only of the circumference of each submerged in the liquid and arranged to rotate toward each other as viewed from above, means

for feeding a stream of molten polyamide to the rolls at a point above the level of the liquid, means for drawing the formed strip away from the rolls below the surface of the cooling bath, in which construction the strip forming surfaces of the rolls are exposed to the liquid of the cooling bath throughout a portion of the roll circumference and thereby entrain liquid of the cooling bath, and wiper mechanism for removing such entrained liquid from the rolls and associated therewith at a point above the level of the liquid and in advance of the point where the stream of molten polyamide is delivered.

2,624,914

PLASTIC SPREADING METHOD AND APPARATUSThomas J. Rhodes, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 1, 1949, Serial No. 124,827
14 Claims. (Cl. 18-12)

1. An apparatus for extruding a sheet of plastic comprising a pressure chamber, a plurality of distributing conduits arranged in diverging spaced relation, a plurality of fan shaped conduits, each of said distributing conduits having one end connected to said pressure chamber and the other end connected to one of said fan shaped conduits, a back pressure conduit connected at one end to the larger end of said fan shaped conduits, and said back pressure conduit having a transverse cross-section of substantially the shape of the transverse cross-section of the sheet to be extruded.

2,624,915

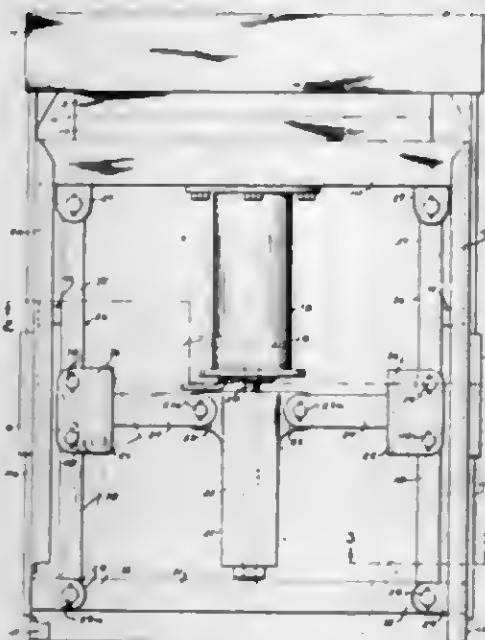
VULCANIZING OR LIKE PRESS

William G. Corson, Akron, Ohio

Application January 28, 1949, Serial No. 73,350
13 Claims. (Cl. 18-16)

1. Apparatus of the character described, comprising a relatively movable member and a relatively fixed element spaced therefrom, supporting means for mounting said member and element to be relatively movable longitudinally from and toward each other, a prime mover including a movable part, toggle means between said member and element, said toggle means including at least one pair of longitudinally extending toggle arms pivoted at opposite outer ends to said member and element, and a pitman pivotally connected at opposite ends to said movable part and to the inner ends of said arms, respectively, said prime mover being operable to move said movable part and thereby move said toggle arms to adjacent a straightened condition thereof in which said member and element are positioned relatively of each other in opposed pressure-applying condition, stop means being provided to limit move-

ment of the toggle arm pivoted to said fixed element whereby it is also relatively fixed as against further pivoted movement by said pitman, the pivotal connection between the inner ends of said toggle arms and said pitman includ-

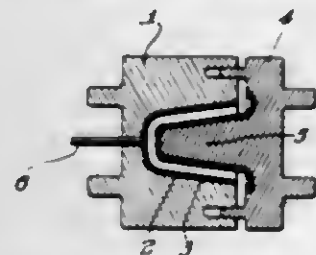


ing expansion means operable therebetween whereby further movement of said pitman will fully straighten said toggle arms and simultaneously extend the arms relatively of each other longitudinally and thereby increase said opposed pressure of said member and element.

2,624,916

GLOSSY MOLDING PROCESS FOR ETHYLENE POLYMERS

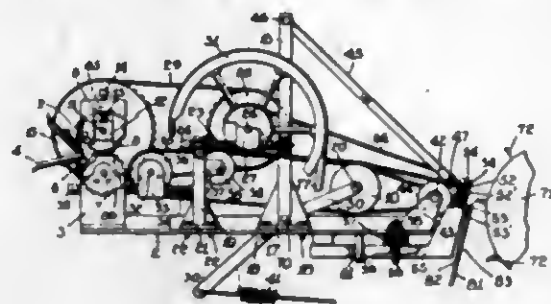
Kenneth John Persak, Hackensack, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application February 19, 1951, Serial No. 211,807
2 Claims. (Cl. 18-55)



1. In a process for the molding of solid polymers of ethylene to glossy surfaced articles, the steps which comprise charging a normally solid polymer of ethylene from a molten state and at a temperature between 275° F. and 450° F. into a metal mold of the desired shape, in which the metal of the mold is separated from the ethylene polymer by a layer of insulation firmly bound to the metal of the mold of a heat-converted thermoset resin of the group consisting of urea-formaldehyde resins, phenol-formaldehyde resins, resorcinol-formaldehyde resins, melamine-formaldehyde resins, polybasic acid/polyhydric alcohol resins and combinations thereof, molding the polymer of ethylene at a temperature between the melting point of the polymer and below its decomposition point, solidifying the polymer in the mold at a temperature below the melting point of the polymer while in contact with the insulating layer, the insulating layer being from 0.5 to 5 mills in thickness and having a surface in contact with polymer of ethylene that carries a high polish.

2,624,917 FEEDING ATTACHMENT FOR FUR CUTTING MACHINES

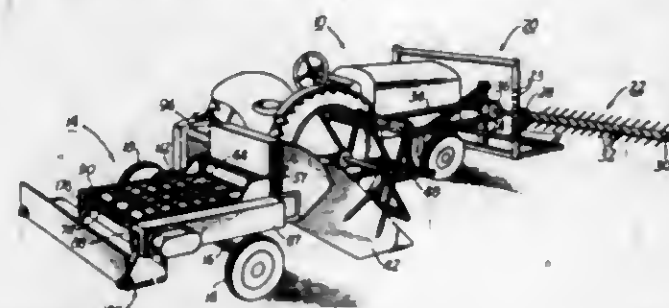
Jacob Zabel, Newark, N. J.
Application September 8, 1947, Serial No. 772,826
2 Claims. (Cl. 19-2)



1. A machine for defleecing animal skins, comprising a pair of meshed fluted rollers, a rotary defleecing cutter, upper and lower endless belts between said fluted rollers and said defleecing cutter, upper and lower end rollers for said belts adjacent said fluted rollers, upper and lower end rollers for said belts adjacent said defleecing cutter, upper and lower fluted rollers between the said latter end rollers of the said lower belt and said defleecing cutter, the said latter end roller of the said latter lower belt being in contact with said latter fluted roller.

2,624,918

RAMIE PROCESSING APPARATUS
Gilbert Brereton, Toronto, Ontario, Canada, assignor to Elmar Corporation, New York, N. Y., a corporation of Delaware
Application November 18, 1947, Serial No. 786,663
5 Claims. (Cl. 19-30)



1. In a ramie harvesting and decortivating machine, a mobile decorticator comprising, in combination, a pair of breaker rolls for breaking the pulp of ramie stalks into sections of predetermined length, a scraper plate, a series of rotary scrapers confronting one side of said scraper plate and driving means for driving said rotary scrapers to cause said ramie stalks to pass between said scrapers and said plate to remove pulp, bark and gum from said stalks, the last scraper of said series of scrapers being cantilever-mounted to cause fibres that pass around said last scraper to be discharged from the free end thereof.

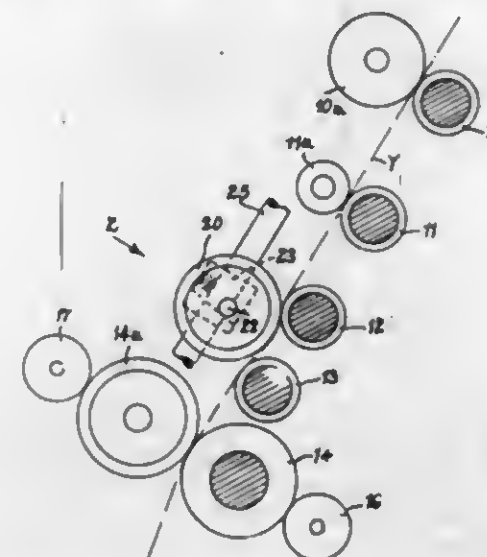
2,624,919

MEANS TO PREVENT THE ACCUMULATION OF WASTE IN DRAFTING SYSTEMS

Samuel Pryce Spencer, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 2, 1951, Serial No. 224,156
2 Claims. (Cl. 19-130)

1. In a drafting mechanism, a pair of upper and lower back rolls, a pair of upper and lower

front rolls, first and second intermediate lower rolls designated in the direction of yarn travel, all of said lower rolls having their top surfaces substantially tangent to a single straight line, said lower rolls being continuously rotated at such speeds that the surface speeds of the first intermediate lower roll and of the front lower roll are increased progressively over the speed



of the back lower roll but that the surface speed of the second intermediate lower roll is less than the surface speed of either the first intermediate lower roll or the front lower roll, a top roll for said first intermediate lower roll, and means to position said top roll to slightly clear the second intermediate lower roll and to substantially displace the yarn fiber toward and between said first and second intermediate lower rolls.

2,624,920

SOLID WALL STRUCTURE
Walter M. Anderson, Hubbard, Oreg.
Application September 2, 1949, Serial No. 113,759
1 Claim. (Cl. 20-4)

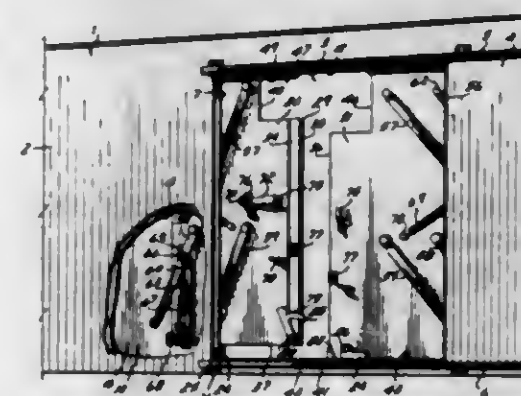


A solid wall structure comprising inner and outer substantially contacting parallel walls each formed of a plurality of aligned rectangular blocks having interlocking tongues and grooves in their upper and lower contacting surfaces, the blocks of each layer being horizontally offset with relation to the blocks of the next vertically adjacent layer of the same wall and vertically offset with relation to the blocks of the other wall, and means securing the blocks of one wall to the blocks of the other wall comprising nails extending through

the tongues of the blocks of one wall into the bodies of the vertically offset blocks of the other wall, thereby providing a securely integrated wall structure, the nail heads being concealed in the tongues of the next vertically adjacent blocks.

2,624,921

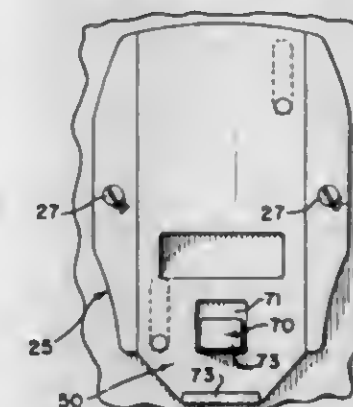
INNER BOXCAR DOOR
Corry L. Brown, Kansas City, Mo.
Application February 23, 1951, Serial No. 212,389
11 Claims. (Cl. 20-29)



1. In a box car having a side wall provided with a door opening, an inner door closing said opening at the inner side of said wall including a pair of door sections adapted to cover the opening on the inner side of said wall, links having pivotal connection with the door sections and the inner side of said wall for supporting the sections for movement in a vertical plane parallel with the inner face of said wall from said position closing the opening to retracted positions at sides of the door opening, shields having portions spaced from the inner side of said wall and provided with flange portions coextensive with upper edges opposite from the door opening to form pockets to receive the door sections therein when the door sections are in open position, said door sections being spaced from the inner side of said wall to accommodate movement of the links, and means closing said space below the lowermost of said links.

2,624,922

VISUAL COMMUNICATING DEVICE
George W. Ackerman, New York, N. Y.
Application February 1, 1950, Serial No. 141,817
9 Claims. (Cl. 20-39)



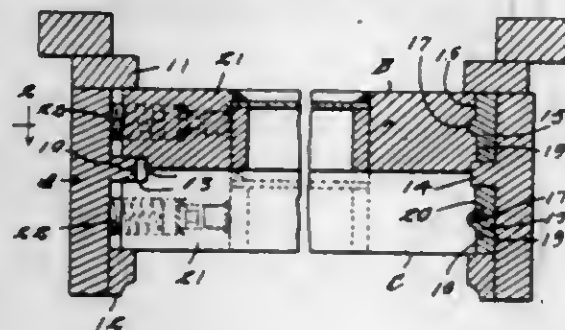
1. An intercommunicating device of the character described, including an inner plate adapted to be secured to a panel and having an aperture formed therein and a recess formed therein in spaced relation to said aperture, and an outer plate having a corresponding aperture and recess, the apertures of the inner and outer plates being aligned, and means securing the inner plate to the outer plate.

plate slidably arranged on said inner plate for limited sliding movement over said aperture and said recess, said slide plate having an aperture formed therein arranged to register with said inner plate aperture at one extreme of the outer plate movement and a second aperture formed therein arranged to register with said recess only at the other extreme of the outer plate movement, said second aperture having edge portions overhanging said recess, a locking piece arranged in said recess and having portions underlying said second aperture edge portions and a portion adapted to normally automatically project into said second aperture to engage over an edge thereof, said locking piece and said recess formed to permit displacement of said locking piece wholly into said recess and out of said second aperture.

2,624,923

REMOVABLE SASH ASSEMBLY

Delmar E. Rogers, Minneapolis, Minn.
Application October 31, 1949, Serial No. 124,589
2 Claims. (Cl. 28—52.2)

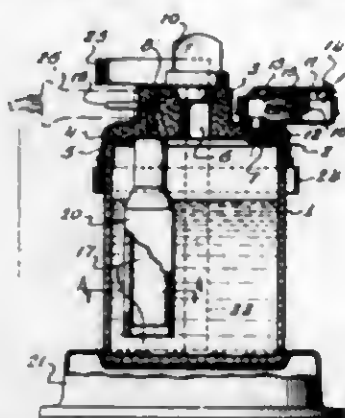


1. The combination of a window frame and a pair of sliding sashes therein, pairs of permanently fixed blind stops and front stops affixed to the window frame on the front and rear faces thereof, respectively and extending the entire length of the frame, and a pair of permanently affixed parting stops on the opposite sides of the frame, said pairs of blind stops, front stops and parting stops forming two pairs of sliding rails facing each other in juxtaposed position, said pair of sashes having facing channels for loosely engaging the ends of said parting stops whereby either of said sashes may be moved parallel to a line extending between said parting stops, the sliding rails at one side of said frame each having a bead and a portion of the sashes engaged in said last named rails, each having a groove engaged by its corresponding bead, said last named sliding rails each having its exposed surface set at an inclination to a vertical plane which is at right angles to the plane of its sash, and to form an angle with the plane of the other pair of sliding rails, whereby to allow for clearance of the sash during its removal from the window frame, the opposite portions of the sashes from those having grooves having plane surfaces engaging plane surfaces on their corresponding rails, and at least two spring pressed members housed in each sash for engaging the plane surfaces of the said rails, the said sashes being of greater width than the distance between the innermost portions of the opposed sliding rails and less than the distance between the outermost portion of those rails accommodating the plungers and the innermost portions of the opposite rails whereby to leave spaces between the sides of the sashes having said spring pressed members and the rails engaged thereby to permit removal of the rails without disturbing said blind stops, front stops and parting stops.

2,624,924

DUAL-PURPOSE VAPORIZER

Samuel Duberstein, Brooklyn, N. Y., assignor to American Sundries Company, Inc., a corporation of New York
Application August 18, 1950, Serial No. 180,144
4 Claims. (Cl. 21—119)

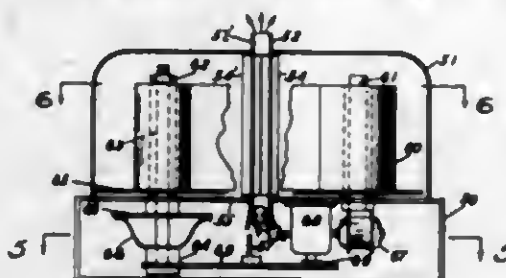


1. A steam vaporizer for medicinal purposes comprising a primary liquid container open at the top, a detachable cover therefor of substantial thickness and having an elongated downwardly extending opening therethrough, an immersion heating element secured to the underside of said cover and adapted to normally project into said container, an auxiliary liquid container having an opening in the bottom thereof, a detachable cap for said opening adapted to rest on the top of said cover when said auxiliary container is in use, and a tube extending downwardly from said cap and adapted to pass through and snugly fit said elongated opening and be guided thereby whereby said auxiliary container cannot be tipped over on said primary container and water is fed as needed from the auxiliary to the primary container.

2,624,925

VAPORIZER AND CHARGE THEREFOR

Frederick W. Schmitt, Irvington, N. Y.
Application July 25, 1947, Serial No. 783,658
2 Claims. (Cl. 21—119)



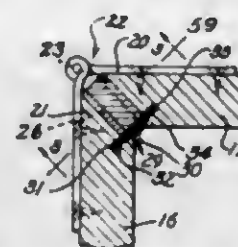
1. A vaporizer comprising a frame, a pair of horizontally spaced, vertically disposed, parallel plate members carried by said frame, a pair of vertical rollers rotatably mounted adjacent to one side of said pair of plate members, each of said rollers being in substantial contact with a vertical edge of one of said plate members and in rolling contact with each other, a second pair of rollers similarly constructed and arranged in cooperation with the other side of said pair of plate members, said plate members and said rollers defining a vertical conduit having a top opening and a bottom opening, an electric heating element positioned adjacent to the bottom opening of said conduit, a rolled strip of absorbent material impregnated with a vaporizable substance and free from unabsorbed vaporizable substance, means mounting said rolled strip in position to be passed between said pairs of rollers and hori-

zontally through said conduit, a strip take-up spindle rotatably mounted in said frame and positioned to receive depleted paper strip from said conduit, said strip being trained between said rollers and wound about said spindle, and mechanical means for driving one of said rollers and said spindle.

2,624,926

FOUNDRY FLASK

Anthony J. Kilmek, Terre Haute, Ind.
Application January 10, 1950, Serial No. 137,809
2 Claims. (Cl. 22—107)

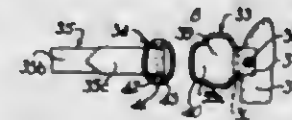


1. A snap flask comprising a pair of side walls rigidly secured together and extended at right angles to each other to form an L-shaped member, a second pair of side walls rigidly secured together to form an L-shaped member, a hinge joining an end of one L-shaped member with an end of the other L-shaped member, means releasably connecting the remaining ends of said L-shaped members in abutting relation, each wall adjacent the hinge having a vertical slot formed therein inwardly of the hinge and extending the full height of said walls and an elastic flexible strip of substantial thickness having one edge secured in one of the slots, the other edge of said strip being freely received in the other slot, said strips extending the full length of said slots.

2,624,927

MEANS FOR FASTENING SHOELACES

Jean Rave, Nice, France, assignor to Rapco S. A., Tangier, North Africa, a corporation of Tangier
Application March 12, 1952, Serial No. 276,142
In France March 26, 1947
3 Claims. (Cl. 24—197)

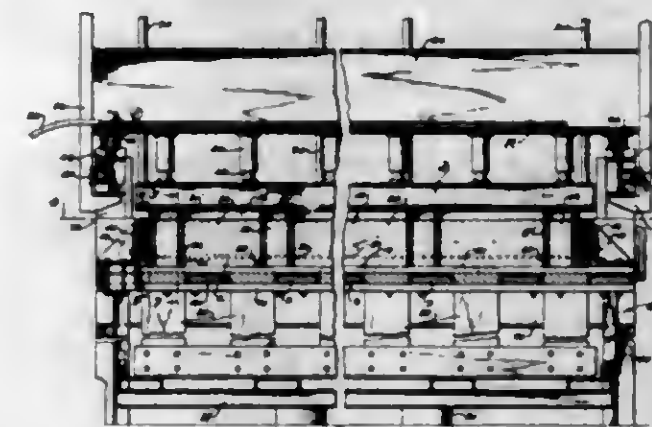


1. Fastening means comprising a rigid loop having a first end and a second end longitudinally opposed thereto, a flexible strap, lace or the like secured at one of its extremities to said first end, and a rigid slide comprising a frame having a pair of parallel slots with a cross piece therebetween looped by the opposite free extremity of said strap passing through the parallel slots, each of said slots defining an elongated narrow opening of substantially the cross-sectional size of said strap, lace or the like, the inside width of said first end being wider than said slide to permit free passage of said slide therethrough, said second end having a pair of parallel longitudinally extending slide supports so positioned that the inside width of said second end between said supports is narrower than said slide to cooperate therewith to slidably fulcrum said slide substantially inwardly of said cross piece so as to urge said slide into locking engagement at said second end in response to outward pull on the looped strap.

2,624,928

PRESS FOR MOLDING CONCRETE BUILDING ELEMENTS

Leonard D. Long, Charleston, S. C.
Application June 21, 1948, Serial No. 34,166
5 Claims. (Cl. 25—83)

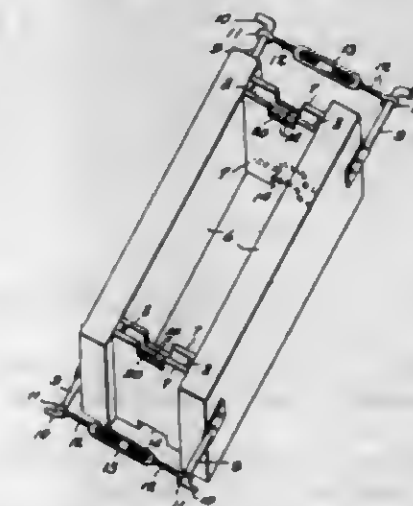


1. In an apparatus for producing concrete structural beams, a mold including a form supporting portion comprising horizontally extending fixed members extending transversely of the length of the form, said members being spaced from each other, a plate supported on said members and extending lengthwise of the form, and vertically extending ejectors positioned between adjacent of said members, said ejectors being arranged in two series with the respective series positioned adjacent the opposite longitudinal edges of said plate, a form portion comprising vertically extending pairs of side and end walls supported on said transverse members, a bottom matrix including a pair of longitudinal and parallel bars supported on said transverse members and the upper ends of said ejectors, said matrix further including transversely extending and spaced webs extending between the matrix bars and across said plate, cores supported on said plate intermediate the webs of said matrix, and an upper matrix and superimposed press element, said upper matrix being of the same form as said bottom matrix and adapted to be positioned on a mass of concrete in the form portion with its webs extending between the upper ends of the cores.

2,624,929

WALL BLOCK MOLD

Ira F. Reed, Johnstown, Pa., assignor of one-half to Blair J. Reed, Johnstown, Pa.
Application May 5, 1949, Serial No. 91,591
1 Claim. (Cl. 25—121)

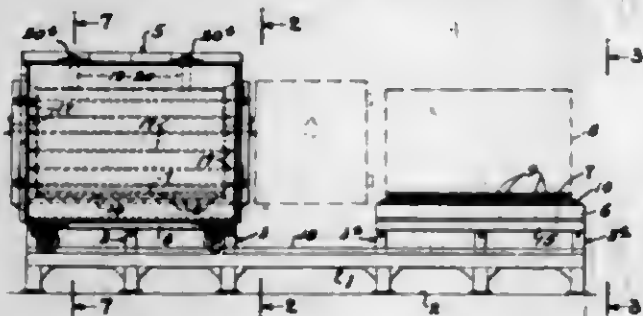


A wall block mold comprising spaced side members, vertical bars secured to the inner surfaces

of the side members at points in spaced relation with the ends of the side members, end gates embodying spaced members, the space between said spaced members of the end gates receiving said vertical bars, said spaced members of the gates having aligning notches in the upper and lower edges thereof for receiving a cone member, and means for drawing the side members of the mold into engagement with the edges of the end gates.

2,624,930

SECTIONALLY COMPOSITE CERAMIC KILN
Saul Weingrad, New York, N. Y.
Application February 7, 1950, Serial No. 142,867
3 Claims. (Cl. 25—132)



1. A sectionally composite kiln embodying, in combination, a supporting surface, a plurality of sections mounted on said supporting surface and comprising a stationary floor section of given dimensions raised above said supporting surface and provided with a stacking surface for a load of ware, a three dimensional movable hood section comprising a unitary straight-walled vehicle mounted at its lower edges on wheels and having at its bottom portion an opening communicating with a load-enclosing compartment within said vehicle, said vehicle being composed of a top portion, two straight side-wall portions formed integrally therewith and end wall portions carried by said side wall portions, at least one of said end wall portions comprising a door hingedly mounted on a side wall portion to permit one end of said vehicle to be opened into communication with said bottom opening and load-enclosing compartment for the reception of a load of ware stacked on said stacking surface, said open bottom portion having dimensions substantially similar to the dimensions of said raised floor section, said hood section being movable edgewise of and across said raised floor section into substantial registration therewith to closely fit said open bottom portion and to provide a ware-supporting floor for said load-enclosing compartment, said hood and floor section, upon such movement into substantial registration and closing of said door, being adapted to completely enclose a stacked load of ware, and heating means on one of said hood and floor sections for heating ware within said load-enclosing compartment formed by said movable hood and stationary floor sections.

2,624,931

METHOD OF MOLDING CONCRETE STRUCTURES

Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete, Inc., a corporation of Pennsylvania
Application February 28, 1951, Serial No. 213,100
3 Claims. (Cl. 25—155)

1. A method of producing a concrete structure comprising forming in the earth a depression having a vertical cross section approximating a circular segment of predetermined radius, seating

in said depression an inflatable flexible internal form having a substantially circular vertical cross section of corresponding radius with a portion of said internal form extending above said depression, seating an annular external form on the earth at a higher elevation than the lowermost portion of said depression and surrounding



a portion of said internal form in spaced relationship, securing said forms against movement relative to said depression, introducing concrete between said forms and over exposed portions of said internal form to define a structure containing an opening, and removing said internal form after said concrete becomes self supporting.

2,624,932

PROCESS OF FIRING SILICON CARBIDE CERAMIC PRODUCTS

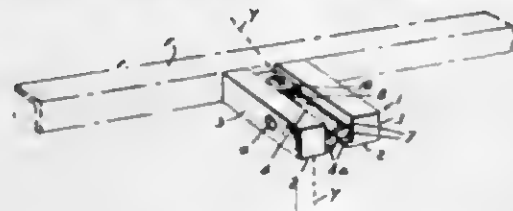
John K. Sjogren, Shrewsbury, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application July 24, 1950, Serial No. 175,651
3 Claims. (Cl. 25—157)

1. Process of making silicon carbide ceramic products which comprises mixing silicon carbide in the form of grain with powdered ceramic material and a temporary combustible organic binder in flowable form, charging a mold with the mixture, exerting pressure on the mixture in the mold, removing the resulting green piece from the mold, then gradually raising the green piece to a temperature of at least 1200° C. in an atmosphere which up to the time the piece reaches 400° C. is at least 30% air and by the time the piece reaches 1000° C. is at least 30% steam.

2,624,933

YARN CLEANER

William G. Quick and William O. Wilson, Daisy, Tenn., assignors to Kingsboro Silk Mills, Inc., Daisy, Tenn.
Application April 26, 1951, Serial No. 223,026
2 Claims. (Cl. 28—69)



1. A yarn cleaner for textile machines comprising a block with a channel extending along one face thereof having a bottom and sidewalls, a slot of less width than the channel extending from an outer end of the channel inwardly for a portion of the length of the channel, a pair of cylindrical, parallel-disposed guide pins lengthwise overlying the slot and having one of their ends resting upon the bottom of the channel and the other of their ends terminating adjacent the outer end of the channel, a spacing shim disposed between the guide pins at their inner ends, a set screw passing through one side-

wall of the channel and clamping the guide pins both against the shim and one against the other sidewall, a lug overlying the inner ends of the guide pins, said lug having a flange located beyond the inner ends of the guide pins and resting upon the bottom of the channel, means for clamping the guide pins between the lug and the bottom of the channel, and a cylindrical cross-pin located below the guide pins and bridging the slot adjacent its inner end.

2,624,934

METHOD OF AND APPARATUS FOR HEAT TREATMENT OF FILAMENTARY MATERIAL

Richard G. Munson and Gabriel M. La Pointe, Worcester, Mass., assignors to W. M. Steele Company, Incorporated, Worcester, Mass., a corporation of Massachusetts
Application April 23, 1948, Serial No. 22,936
6 Claims. (Cl. 28—71.3)

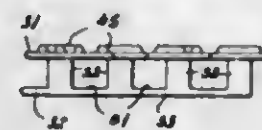


1. Apparatus for heat treatment of filamentary material comprising a pair of heating elements providing oppositely facing convex surfaces having a space therebetween, a third heating element located in said space and means disposed at the ends of said elements for conducting filamentary material back and forth in a plurality of paths in running engagement with the heated surfaces of all of said elements.

2,624,935

METHOD OF FORMING NAME PLATES

Ernest Penker, Queens County, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application October 10, 1947, Serial No. 778,997
3 Claims. (Cl. 29—148)



1. The method of forming ornamental characters comprising reinforcing a relatively thin metal strip by providing a metal flange extending perpendicularly to one surface of said strip; forming a series of characters along the other surface of said strip; punching a series of apertures through said flange in alternate relation with the characters on the strip to form a latticed support for the characters; trimming the strip metal from the longitudinal edges of the characters; removing the metal of said strip between said characters; finishing the processing of the characters while still secured together by said latticed flange; and shearingly serrating and offsetting the base of said latticed flange to leave thin metal sections uniting the base to the characters.

2,624,936

CARTON OPENER

Syvret M. Jensen, Knoxville, Iowa, assignor of one-half to Cyril E. Powers, Knoxville, Iowa
Application August 21, 1950, Serial No. 180,635
3 Claims. (Cl. 30—2)

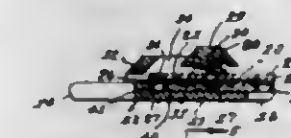


1. A carton opener comprising a first plate having an edge recess therein, a blade, means for retaining said blade in said recess coplanar with said plate with the cutting edge exposed, a second plate having an offset edge adapted to engage the corner of a carton, and means for securing said second plate on said first plate.

2,624,937

HAIR-TRIMMING COMB

William H. Ream, Johnstown, Pa., assignor of one-half to Sarah Ream, Johnstown, Pa.
Application May 20, 1949, Serial No. 94,490
3 Claims. (Cl. 30—30)



1. A hair-trimming comb comprising an elongated substantially flat comb back, a plurality of teeth along one edge thereof, said comb back being provided with a recess in one face extending inwardly from the other edge thereof and terminating at a point spaced from said one edge, there being a rectangular cut-out extending inwardly from said other edge of said comb back intermediate the walls of said recess, spaced studs positioned within said recess and projecting from the floor of said recess intermediate the bounding edges thereof, an auxiliary comb adapted to be reversibly positioned within said recess and detachably mounted on said studs, said auxiliary comb having teeth along opposed edges thereof, the teeth on one edge of said auxiliary comb being of a different size than the teeth on the other edge, with the teeth on one edge overlying said cut-out, a razor blade carrier positioned in face to face abutting relation with respect to said auxiliary comb and having means adapted to support a razor blade in confronting relation to said auxiliary comb, and mounted in said recess for reciprocating movement, a longitudinally extending cover plate superimposed upon said carrier and fixedly secured to said comb back, said cover plate being provided with a dove tail slot extending inwardly from one of its longitudinal edges intermediate the ends thereof, and hand actuatable means extending through said slot and operatively connected to said carrier for effecting the reciprocatory movement of the latter.

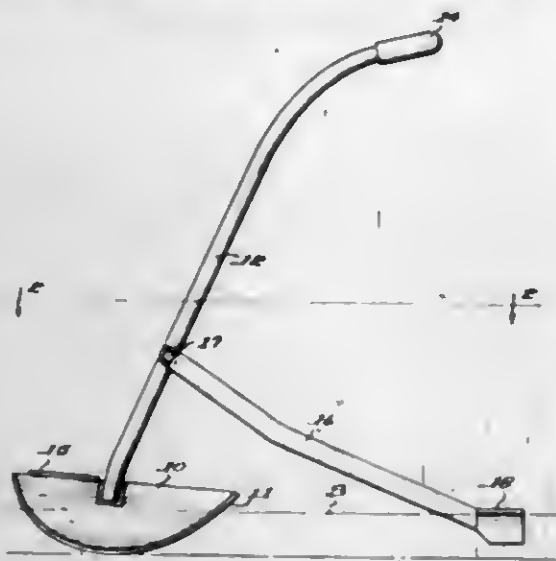
2,624,938

GRASS EDGE CUTTER

Freeman H. Davis, Artesia, Calif.
Application September 28, 1950, Serial No. 187,206
1 Claim. (Cl. 30—124)

In a grass cutter, a blade having a lower cutting edge, arcuately shaped and adapted to trim the grass in close proximity to a sidewalk, said blade having a handle secured at its lower end

to the center top portion of the blade, the improvement comprising an angularly arranged link pivoted at one end to said handle so that the link extends rearwardly of the handle in right angular relation thereto, a scraper element positioned on the other end of the link, said scraper element having the shape of an angle iron where-



in one portion extends laterally of one edge of the link and rests on the pavement and the other portion thereof depends from the first portion and lies parallel to and follows the blade so as the blade is rocked by the handle the scraper element will clear grass previously cut by said blade, said one portion of said scraper element having an inclined leading edge.

2,624,939

FOLDING POCKET KNIFE

Torger Tveit, Lidgerwood, N. Dak.
Application July 5, 1947, Serial No. 759,044
2 Claims. (Cl. 30-161)

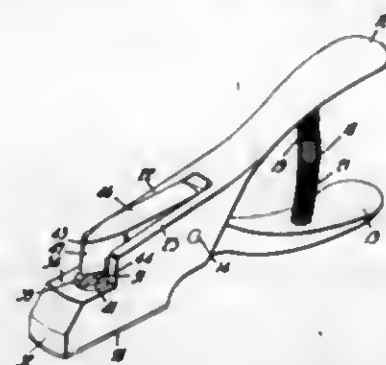


1. In a folding knife including a bolt provided with a slot extending longitudinally of the same from end to end thereof, a threaded nut portion formed upon the bolt at one end provided with a slot registering with the slot in the bolt, a knife blade pivotally supported within the slot of the handle to extend through the slot of the bolt when in one position with respect to the handle, a locking nut threadedly engaging the bolt for co-operating with the latter to releasably hold the blade against movement relatively to the said locking nut being formed with a slot therein adapted to register with the slot of the bolt when the locking nut is in a certain position with respect to the bolt and screw threads formed upon the end portion of the knife shank adjacent the said pivotal support for engagement by the locking nut to secure said blade against movement when the blade is in either the open or closed position.

2,624,940

CARD PUNCH

Le Roy M. Osborne, San Rafael, and Berger
Stockfleth, Paradise Cove, Calif.
Application February 11, 1949, Serial No. 75,777
2 Claims. (Cl. 30-229)

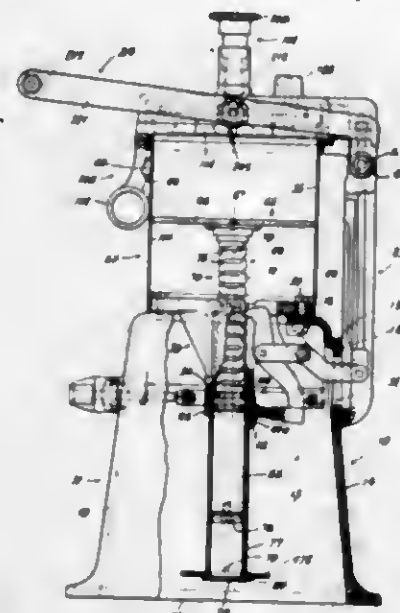


2. A card notching device, comprising: a pair of levers pivoted together and respectively carrying punch and die members, card positioning means on said device, said card positioning means defining spaced surfaces engageable with spaced portions of an edge of a card to be notched, said card positioning means further defining transverse surfaces extending laterally from a plane containing said spaced surfaces, said transverse surfaces being generally parallel to the direction of relative movement between said punch and die members and engageable with the sides of indentations in a card edge to position said notching device in predetermined position along the edge of said card.

2,624,941

MACHINE FOR MAKING PATS OR CHIPS FROM PLASTIC BULK MATERIAL

Maurice J. Weinberg, New York, N. Y.
Application September 13, 1947, Serial No. 773,817
32 Claims. (Cl. 31-7)



1. A machine for making pats comprising means defining a chamber open at one end, said chamber means being adapted to contain material for making pats, a piston in said chamber means, an impressor member located over the open end of the chamber means and movable relative thereto, to impress a surface of said material exposed at the open end of said chamber means, and means connected to said impressor member for movement thereby, to move said

piston for forcing material within the chamber means beyond the open end of said chamber means.

2,624,942

DENTAL CROWN SEATING INSTRUMENT

John C. Wilborn, Shattuck, Okla.
Application November 26, 1951, Serial No. 258,126
4 Claims. (Cl. 32-41)

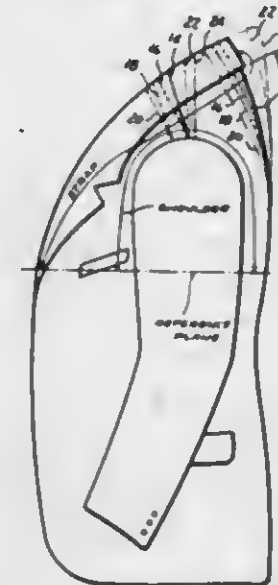


1. A dental instrument comprising a shank having a head on an offset section at one end thereof and having a handle on the opposite end, said head having a nose with a straight surface on one side and an arcuate surface on the opposite side and having a conical-shaped projection extended from the side on which the straight surface is positioned and a jaw extended from the side on which the arcuate surface is positioned.

2,624,943

METHOD FOR PROPORTIONALLY BALANCING GARMENTS

Henry Booth, Bronxville, N. Y., assignor to The Henry Booth Methods Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1948, Serial No. 14,134
9 Claims. (Cl. 33-17)

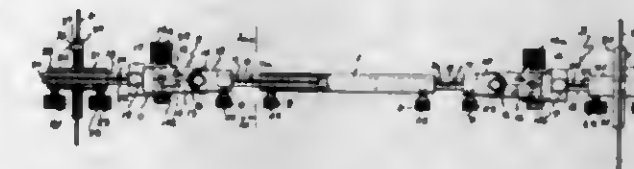


1. A method of proportioning garments of a standard pattern to compensate for discrepancies of measurements of a subject to be fitted with a garment from measurements of a standard figure for which the standard pattern was designed, including the steps of establishing a horizontal reference plane on the standard pattern to which standard shoulder, strap and scye measurements are read, locating the reference plane on the subject by one of said standard measurements, taking the actual length of the other two measurements of the subject to the reference plane thus established, comparing the actual lengths with the corresponding standard measurements to determine the amount and direction of the difference therebetween and then altering the standard pattern in accordance with the amount and direction of the differences thus obtained.

2,624,944

LAYOUT MEASURING TOOL

Alfred G. Fujda, Bridgeport, Conn., assignor to Colonial Sheet Metal Works, Bridgeport, Conn., a partnership
Application August 13, 1946, Serial No. 690,119
2 Claims. (Cl. 33-26)

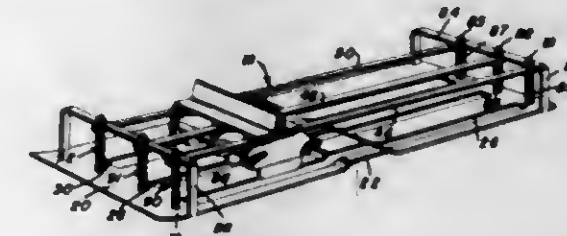


1. A layout tool of the character described comprising a pair of plate templates each being adapted to be rolled on its periphery on the surface of a sheet of material to form two spaced lines thereon, means connecting said templates in parallel spaced relation including a central sleeve coupling, a graduated rod telescoping in each end of said sleeve, means for securing each rod in adjusted positions, a link assembly mounted on each rod including a base block and a forked link pivoted to each end of the block to swing about axes at right angles to each other, means for securing one link to the rod, a template support, and means for mounting the template support on the other link.

2,624,945

CUFF MARKER

Frank G. Mena, Galveston, Tex.
Application March 12, 1951, Serial No. 215,169
5 Claims. (Cl. 33-41)



1. A pants cuff marking device comprising a base provided with three parallel slots, brackets disposed at the ends of said base, three rails, yielding means disposed in said brackets supporting said rails for movement toward and away from said base, a carriage mounted for sliding movement on said rails and longitudinally of said base, and means for supporting scribes constituting a part of said carriage and located in alignment with said slots, and said base having a transverse bight portion in which pants seams are adapted to be located when said base is disposed on a pants leg.

2,624,946

TELESCOPE GUN SIGHT MOUNT

John M. Miller, Poughkeepsie, N. Y.
Application April 30, 1946, Serial No. 666,142
2 Claims. (Cl. 33-50)



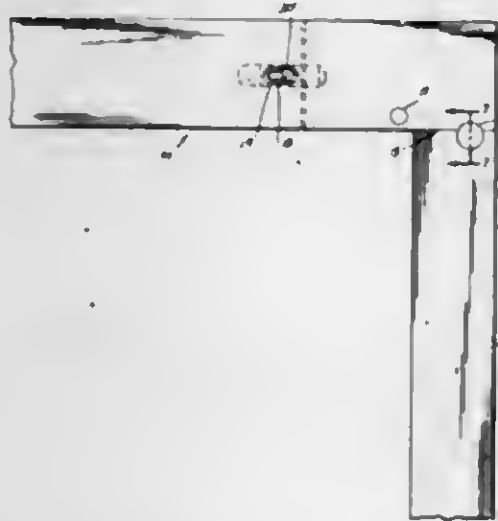
2. A telescope mounting apparatus for a gun, said apparatus comprising a normally downward-

ly directed spring arm and a tubular clamp at one end of the arm for engaging and connecting the front end of a telescope tube to said gun, a telescope tube supporting member for removable connection to said gun and serving to support the rear end of said telescope tube, said spring arm being operative to effect a spring-like engagement between said telescope tube and said supporting member, the normal configuration of said spring arm being bowed, the action of connecting the telescope tube front end to the gun, straightening said spring arm so as to exert a downward thrust on the rear end of said telescope tube, a connector at the other end of the spring arm, and the tubular clamp embracing the front end of the telescope tube, and spring arm, clamp and tube being in substantially horizontal alignment when the apparatus is installed on a gun.

2,624,947

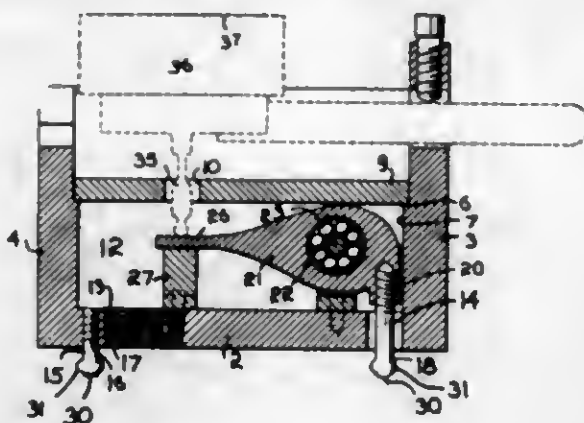
FOLDING RAFTER SQUARE

Ernest Penker, Flushing, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application July 24, 1951, Serial No. 238,242
6 Claims. (Cl. 33-117)



1. A foldable square comprising, in combination, a pair of pivotally interconnected arms, one of said arms being substantially straight and the other arm being substantially L-shaped in plan, and one leg of the L and the end portion of the straight arm being substantially one-half the thickness of the main portions of the arm and having surface bearing engagement in all positions of the arms, such reduced thickness portions forming shoulders at their junctions with the main portions of the arms, a pivot bearing interconnecting the reduced thickness portions of the two arms, an end of the outer edge of at least one of the reduced thickness portions being arcuate, the shoulder on the angular arm being aligned with the inner edge of such one leg and having flush engagement with one side of the straight arm when the square is open, the other shoulder having flush engagement with the outer edge of such one leg when the square is open, each arm having means at its shoulder closely overlying a portion of the cooperating edge of the other arm when the square is open, and a keeper bar mounted on one arm adjacent the shoulder thereof for longitudinal sliding movement to and from projected relation to the shoulder, the cooperating edge of the other arm having a recess therein to receive said keeper bar in the open position of the square.

2,624,948
PIVOTED CONTACT MEASURING TOOL
Joseph N. Kempf, Houston, Tex.
Application July 5, 1947, Serial No. 759,263
1 Claim. (Cl. 33-148)

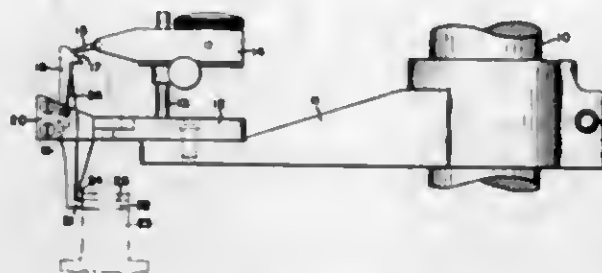


A device for measuring the diameter of small bore objects comprising a cup-shaped support member having a bottom and connected sides, there being an opening in the bottom of said member, an arm pivotally mounted adjacent said opening and adapted to oscillate up and down in said cup-shaped member, the pivot for said arm including a pair of brackets secured to the bottom of said member and extending upwardly therefrom, a rod extending horizontally therebetween, and a ball bearing race surrounding said rod and pivotally supporting said arm, a prong secured to the bottom of said member and extending downwardly therefrom, a second prong secured in one end and on the bottom side of said arm and extending vertically downwardly therefrom and through the opening in the bottom of said member, said prongs co-acting to contact the wall of a small bore opening, and said second prong and connected arm oscillating in accordance with variations in the diameter of the bore wall so contacted, and indicator means mounted on said housing and contacting the upper side of the opposite end of said arm whereby oscillations of said arm as indications of variations of the bore wall diameter are transmitted to said indicator.

2,624,949

PRECISION GAUGE

David G. Schleman, Dayton, Ohio
Application July 2, 1949, Serial No. 102,875
4 Claims. (Cl. 33-174)



1. In a device of the class described, the combination of a dial indicator having a spring actuated feeling finger to actuate the dial indicator; a portable standard; a support adjustably mounted on the portable standard to enable the support to be positioned at any selected position thereon, said support comprising an arm extending at right angles to the portable standard; a follower pivoted intermediate its ends on the free end of said arm, said follower having one

end thereof contacting with the feeling finger of the dial indicator; a gauging surface on the pivoted follower formed on the end opposite said one end, said gauging surface extending below the arm; a stationary follower on said arm and extending below said arm adjacent said pivoted follower, said stationary follower having a gauging surface immediately adjacent the gauging surface of the pivoted follower and adapted to be engaged with a model part by moving the portable standard to guide the gauging surface of the pivoted follower around the contour of an element to be gauged, said pivoted follower acting to actuate the indicator to indicate differences in contour of the element as compared with the model part, and a common support for the model part and the element to be gauged, said model part and said element being located on the support in contact with each other with their contours in aligned relationship with each other and in alignment with the respective gauging surfaces.

2,624,950

GAUGE FOR ALIGNING A STRING OF PIPE WITH A GRADE LINE

John A. Mitchell, Mount Pleasant, Pa.
Application October 25, 1949, Serial No. 123,443
3 Claims. (Cl. 33-180)



1. A grade instrument for aligning a string of pipe with a grade line string comprising a body, upper and lower arms carried by said body and adapted for vertical and horizontal adjustment on said body, a base on said body disposed rearwardly of the front face of said body and engageable with the inner peripheral wall of a pipe, and a member adjustably mounted on and at right angles to said upper arms, one edge of said member and one edge of one of said upper arms contacting the grade line string to determine the proper position for a pipe in a trench.

2,624,951

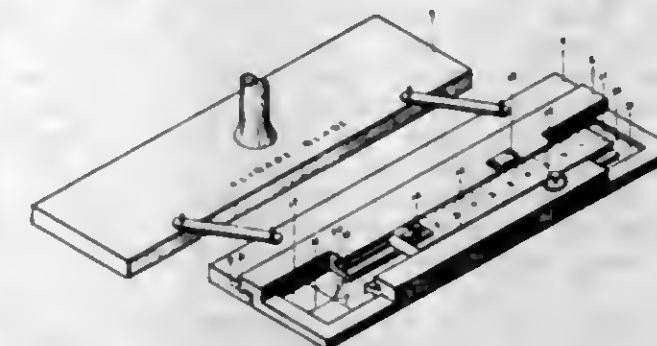
PLOTTING DEVICE

Paul Morris, Chattanooga, Tenn., assignor to the Tennessee Valley Authority, a corporation of the United States
Application May 21, 1951, Serial No. 227,499
1 Claim. (Cl. 33-189)

(Granted under Title 35, U. S. Code (1952), sec. 266)

A device of the class described which comprises in combination a parallel rule; a longitudinally movable graduated slide assembly, having a median sliding part and an open bottom, disposed parallel to one blade of said parallel rule and slideably attached thereto; a transparent window disposed flush with the bottom of said slide rule

having a pointed notch therein; and a depressible needle carried by said median sliding part in

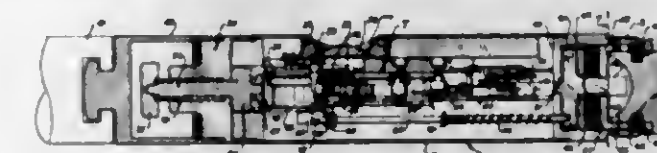


position to touch a point of said notch when the median sliding part is set at zero.

2,624,952

INCLINATION INDICATOR

Allan R. MacLagan, Denver, Colo., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application January 31, 1949, Serial No. 73,758
22 Claims. (Cl. 33-205.5)

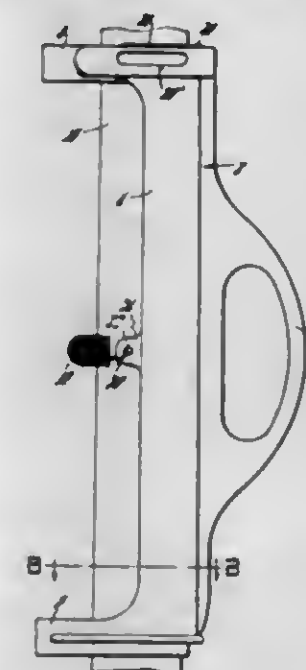


1. An earth bore indicator instrument comprising a plumb bob provided with a marking element, a record member normally spaced from the marking element and mounted to rotate on an axis corresponding to the axis of the bore when the instrument is placed therein, time controlled means for rotating the record member to a first position and then to a second position after an elapse of time, and means causing engagement between the marking element and the record member only when it is rotated.

2,624,953

DEVICE FOR PLUMBING VERTICAL OBJECTS

Edwin W. Newcomb, Greenfield, Mass.
Application June 26, 1951, Serial No. 233,590
2 Claims. (Cl. 33-207)



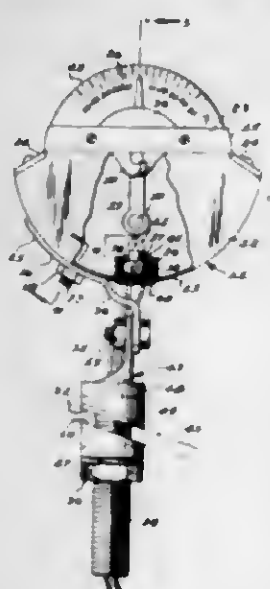
1. A unitary plumb-level device comprising in combination, an elongated frame having flanges

provided with inner angularly disposed faces, pairs of arms projecting outwardly from opposite ends of said frame having angularly disposed inner faces, level glasses carried by upper sides of the arms at one end of the support, the inner faces of said flanges being disposed in planes disposed outwardly from the planes of the inner surfaces of said arms, attaching means for securing said device against an object, and a manually engageable member extending outwardly from said frame, said attaching means including an elongated resilient member for encircling an object having opposite ends and lugs provided on said flanges having openings for receiving said ends of the member.

2,624,954

GRADE METER

David T. Watkins, Lacon, Ill.

Application May 12, 1950, Serial No. 161,541
2 Claims. (Cl. 33-215)

1. In a grade meter for use on a motor vehicle, a relatively flat vertical housing, said housing comprising an arcuate bottom wall and upstanding side walls secured to said arcuate bottom wall, a bracket adapted to be secured to a portion of the vehicle and having a slotted arcuate arm engaging said arcuate bottom wall, fastening means projecting from said bottom wall through said slotted arm and clamping said bottom wall in adjusted position along the slot in said arm, an upstanding arcuate transparent top cover secured to the top of said housing, said top cover comprising a top wall concentric with said bottom wall, depending side walls secured to said top wall, said depending side walls being inscribed on an outer surface thereof with an angle scale, a vertical pointer pivoted in said top cover on a transverse axis through the common center of said top cover and bottom wall, said common center being centrally located relative to said angle scale, and a transverse weighting bar element secured in the lower end of the pointer, biasing said pointer to a vertical position.

2,624,955

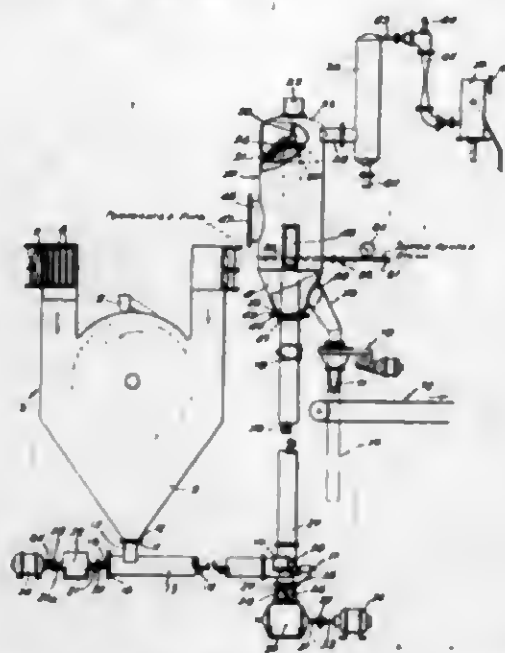
SALT DRYING AND COOLING APPARATUS

Clinton S. Robison, Chicago, Ill.

Application February 21, 1949, Serial No. 77,468
3 Claims. (Cl. 34-92)

1. In apparatus of the character described, a flasher having discharge means sealed to the atmosphere, a substantially vertical stack extend-

ing upwardly within said flasher a substantial distance above the bottom thereof and open at its upper end for discharge of material into said flasher, a baffle surrounding said stack adjacent the upper end thereof inclined downward and outward therefrom, means for delivering to said flasher through said stack, in a continuous column

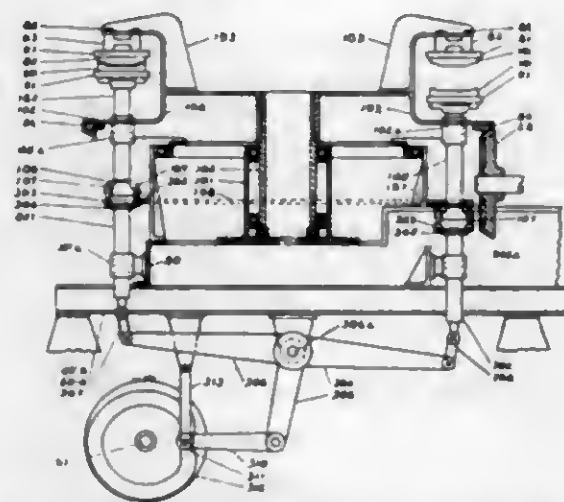


effective for sealing said stack against entry of atmospheric air, hot crystalline material having an objectionably high moisture content, and means for evacuating said flasher, the latter being effective for rapidly removing by evaporation the moisture content of said material thereby drying it and substantially reducing its temperature.

2,624,956

APPARATUS FOR OPERATING MOLDED FIBER DRYING DIES

Merle P. Chaplin, Portland, Maine

Application November 8, 1946, Serial No. 708,661
6 Claims. (Cl. 34-146)

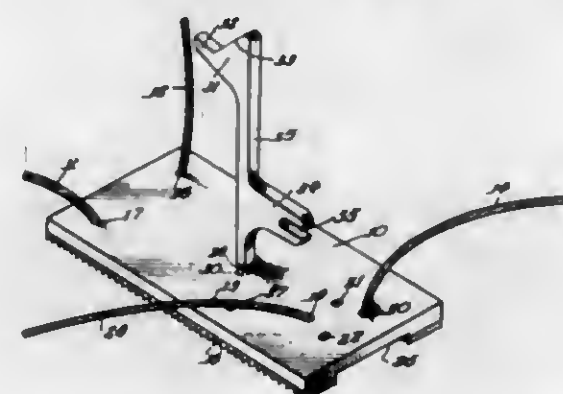
1. In a machine for drying molded pulp articles: a plurality of pairs of superimposed coaxial dies arranged in annular spaced sequence and mounted to rotate about a fixed vertical axis with the upper dies of said pairs arranged at a substantially fixed elevation and the corresponding lower dies vertically movable toward and away from said upper dies, a vertically reciprocating lifting elevator for raising the lower dies in succession into cooperation with their corresponding upper mating dies at one point in the path of rotation of said dies, a vertically reciprocating lowering elevator for lowering said lower dies at another point in the path of rotation thereof,

a rocker pivoted to a fixed support intermediate its opposite ends with its ends connected to the two elevators, means for tilting the rocker alternately in opposite directions to alternately raise and lower the elevators, and means for holding the lower dies in cooperative relation with the upper dies during the travel of said dies from the lifting elevator to the lowering elevator.

2,624,957

EDUCATIONAL DEVICE FOR USE IN LEARNING TO TIE CERTAIN KNOTS

Robert N. Collins, Ridgefield, N. J.

Application April 13, 1950, Serial No. 155,734
11 Claims. (Cl. 35-1)

11. As a new article of manufacture, an educational device designed for use as an aid in learning to tie the single knot part and the bow part of a bowknot, and comprising an elongated base, a first pair of comparatively long flexible elements having certain ends thereof applied to one end of the base in spaced apart relation, a second pair of comparatively long flexible elements having certain ends thereof applied to the other end of the base in spaced apart relation, an upstanding member on the central portion of the base, an arm connected to the upper end of the upstanding member, inclined slightly upwards in the direction of said one end of the base, and adapted releasably to hold in juxtaposition the intermediate portions of the first pair of elements preliminary to the free end portions of said first pair of elements being manipulated to form a single knot, and a second arm connected to the upstanding member at a point beneath the first mentioned arm, extending substantially horizontally in the direction of said other end of the base, and having the outer end thereof shaped to form a jaw adapted when the intermediate portion of one of the elements of the second pair is manipulated to form a loop releasably to hold in juxtaposition the ends of the loop preliminary to formation of a second loop in the intermediate portion of the other element of said second pair.

2,624,958

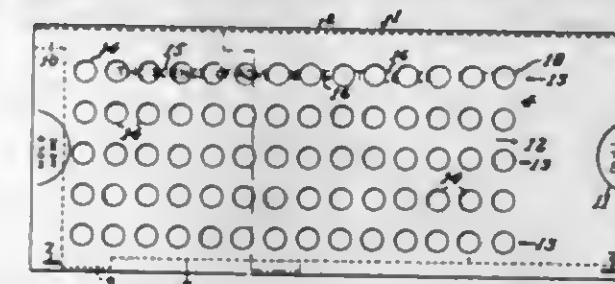
CRYPTOGRAMMIC DEVICE

Harry Fine, New York, N. Y.

Application September 6, 1951, Serial No. 245,346
3 Claims. (Cl. 35-2)

1. A cryptogrammic device having the combination of an envelope like member including a front wall carrying a rear wall, said front wall having an array of horizontal lines consisting of holes, a text printed on said front wall and through said holes upon said rear wall, whereby lines of mutilations of said text appear on said front wall with complementary lines of mutilations of the text upon said rear wall, a sheet slidable in said member between said front and rear

walls normally concealing the lines of mutilations on said rear wall and rendering the mutilations

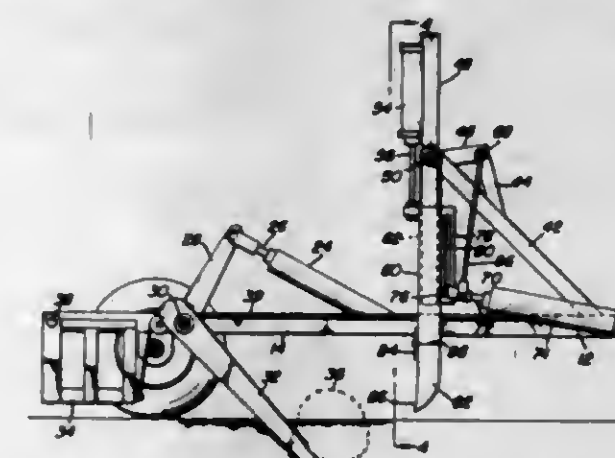


on said front wall cryptogrammic, and removal of said sheet restoring said text to readability.

2,624,959

STONE DIGGER

John A. Anderson, Ortonville, Minn.

Application September 11, 1950, Serial No. 184,315
4 Claims. (Cl. 37-2)

1. A stone digger including a wheeled frame, forwardly extending stone-engaging arms pivoted on a rear portion of the frame to move about a horizontal axis, coating stone-engaging arms mounted on said frame in front of the first-mentioned arms for movement downwardly and rearwardly selectively and concurrently, and means to move all said arms in the said directions, whereby a stone may be engaged by and between the first and second-mentioned arms and raised out of the ground, said frame having a horizontal cross shaft, a U-shaped member pivoted on said shaft and having a bight portion on one side of the shaft and parallel legs extending in the opposite direction, said second-mentioned arms being slidably mounted on said legs, said second-mentioned arms having a cross-head joining the same, and a hydraulic cylinder pivoted on said bight portion and having its piston rod connected to said cross-head.

2,624,960

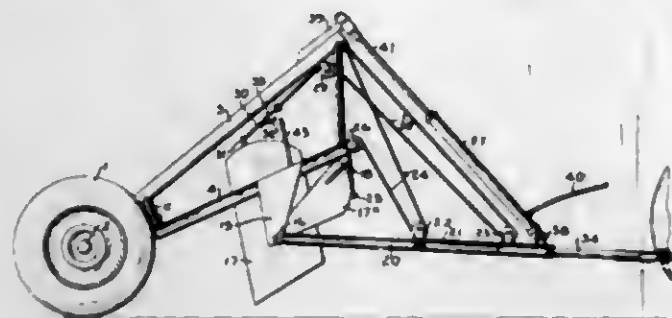
BOWL AND FRAME ADJUSTMENT FOR EARTH-MOVING SCRAPERS

Raymond C. Schneekloth, McCausland, Iowa

Application September 27, 1946, Serial No. 699,841
7 Claims. (Cl. 37-129)

1. In an earth mover of the type specified, for operation by a traction unit, a wheel-supported axle, a rigid frame attached to the axle and extending forwardly therefrom, a rigid member connected to the axle and extending forwardly above the frame, struts connecting the rigid member and the frame, brackets connected to the frame and extending downwardly therefrom, a scraper pan pivotally connected to the brackets to be turned about the pivots whereby to dump the

pan, a roughly U-shaped frame having the ends of its arms pivotally connected to the pivots of the brackets, a flexible element connected at one end to the rear of the pan, at its other end to



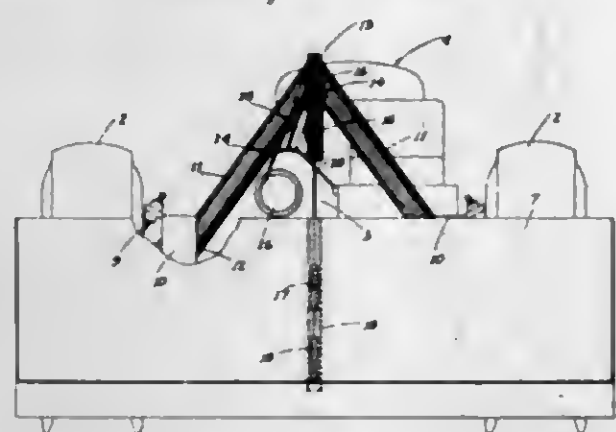
the rigid member, and intermediate to the U-shaped frame, and means for causing the frames to turn relatively about the pivots connecting the brackets and the U-shaped frame.

2,624,961

BLADE CONTROL UNIT FOR BULLDOZING MACHINES

Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Application June 17, 1948, Serial No. 33,570
2 Claims. (Cl. 37-144)



1. A blade control unit for a bulldozing machine which includes a main frame having rigid, transversely spaced cases at the forward end thereof, and a transverse, vertically adjustable bulldozing blade ahead of said main frame; comprising a pair of arms fixed to said cases and converging upwardly in a transverse plane to form a suspension frame, a sheave housing rigidly secured between the upper ends of said arms as a unitary part of the suspension frame, a cable system extending between the sheave housing and blade, said system including a pull reach depending from adjacent the sheave housing, an operator's seat, and a winch unit; the seat and winch unit being in transversely spaced relation rearward of but relatively close to the suspension frame, and said pull reach leading diagonally downward to said winch unit in clearance relation to the space directly ahead of the seat.

2,624,962

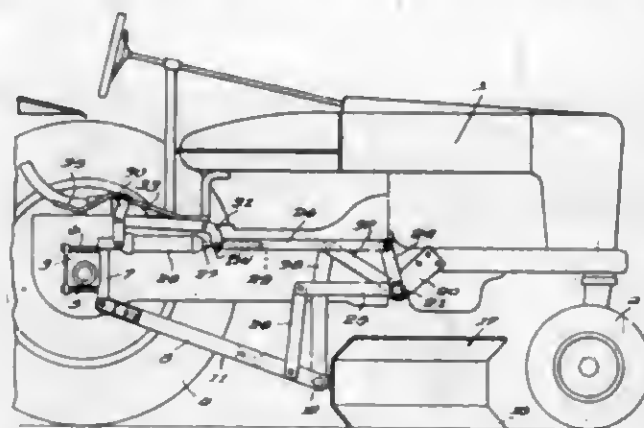
EARTH-WORKING IMPLEMENT

Arthur G. Evans, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application September 10, 1945, Serial No. 615,452
3 Claims. (Cl. 37-155)

1. In combination with a traveling support, an earth-working tool mounted thereupon and dis-

posed transversely of the direction of travel of the support substantially parallel to the ground line, lift means on the support connected to the tool for raising and lowering the latter, linkage connected between the tool and the support and operative during vertical movement of the tool to tilt the latter about a transverse axis, and a



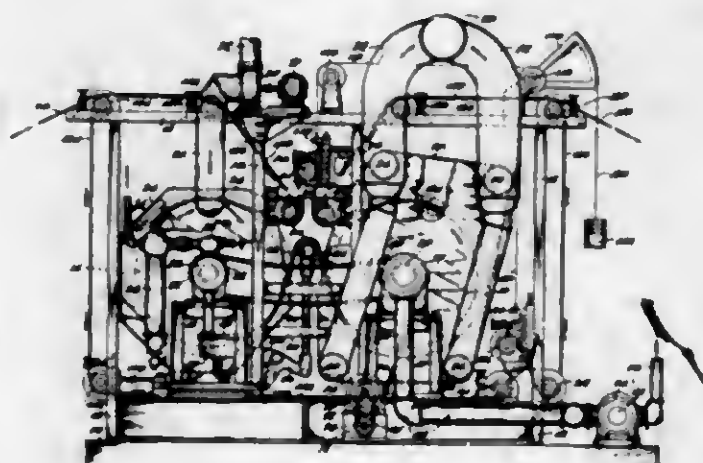
pivoted link connection between lift means and one end of the tool and cooperative with said tilting linkage to accommodate lateral swinging of the tool horizontally to change its angle with respect to the direction of travel while maintaining its parallelism with respect to the ground line.

2,624,963

TEXTILE TREATING MACHINE

Wilfred N. Hadley, Springfield, Vt., assignor to Parks & Woolson Machine Co., Springfield, Vt., a corporation of Vermont

Application March 3, 1948, Serial No. 12,757
4 Claims. (Cl. 38-14)



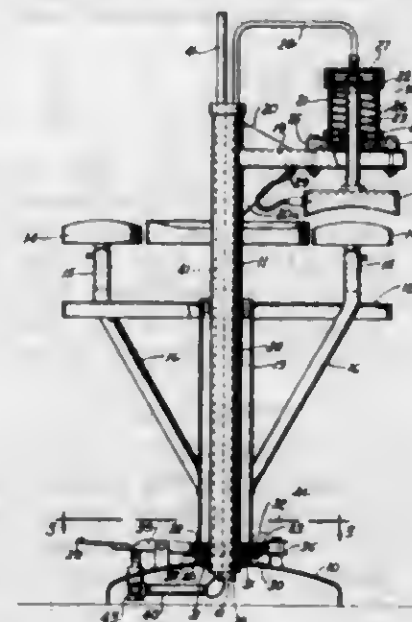
1. A cloth decating apparatus comprising a pair of foraminous drums mounted for rotation on parallel horizontal axes, a pair of superposed endless belts looped over substantial arcuate portions of said drums, means for rotating said drums in unison and in a direction to move said belts longitudinally therewith, means for continuously passing steam axially into the interior of the first drum and outwardly thereof through the belts, means for continuously passing a cooling fluid radially through the belts and the second drum and axially of said second drum, an idler disposed between the drums for rotation on an axis parallel to but beyond the plane of the axes of said drums and bearing on said belts to force the adjacent portions thereof beyond the horizontal plane of the axes of said drums, and variable means for exerting thrust on said idler to tighten the belts upon the drums and maintain pressure on said belts during their passage from one drum to the other.

2,624,964

MULTIPLE BUCK GARMENT PRESSING MACHINE

Carridon G. Westwood, South Bend, Ind., assignor to G. H. Bishop Company, Chicago, Ill., a corporation of Illinois

Application July 26, 1947, Serial No. 763,880
1 Claim. (Cl. 38-22)



A multiple-buck pressing machine comprising a supporting base, a supporting column rising therefrom, a rotatable sleeve on the lower part of said column extending from said base upwardly, a circular horizontal table mounted on the upper end of said sleeve and rotatable therewith, four pressing bucks mounted 90° apart on the upper side of said table with their outer edges substantially within the limits vertically of the peripheral edge of the table, a laterally projecting supporting arm on and adjacent the upper end of said column, a power-operated heated vertically reciprocable presser-head on said arm in vertical alignment with the said bucks when the bucks are brought serially beneath the head by the rotation of the table and co-operating therewith to press garments placed on the bucks, mechanism to rotate step by step said sleeve and table in 90° steps to carry the bucks around beneath the head, means to depress the head upon the bucks, and individual control means for the operator for said step-by-step mechanism and for said head, said control means being accessible to the operator of the machine from a position at the edge of said table diametrically opposite the presser head, the location and arrangement of the said parts enabling the operator while at said position to change the garments on the bucks and individually to control the operation of the table and the presser head, the intermediate stops of the table before and after the presser operation giving time for the conditioning of the garments on the bucks.

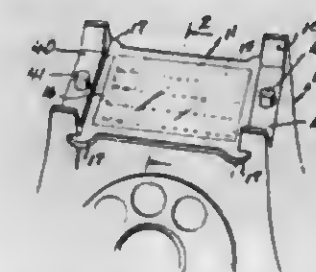
2,624,965

TELEPHONE INDICIA CARD HOLDER

Dwight Griswold, West Hartford, Conn.
Application December 19, 1949, Serial No. 133,862
1 Claim. (Cl. 40-10.5)

In a telephone directory article adaptable to a modern telephone base having on its top a receiver supporting ridge on each side, each ridge having a switch button protruding upwardly therefrom, a rectangular plaque in length substantially the same distance as the distance between said ridges to provide a frictional holding fit, ear projections extending from each corner of

said rectangular plaque, each said ear having a cut-out adapted for engagement with the outside of the base at approximately opposite the ends of said ridges of the said telephone base below



the upper surface of said ridges, the said plaque having an indicia bearing means containing cavity therein and indicia bearing means for insertion in the said plaque cavity.

2,624,966

REINFORCING FRAME AND HOLDER FOR AUTOMOBILE LICENSE PLATES

Otto F. Baumgartner, Kansas City, Mo.
Application July 25, 1949, Serial No. 106,584
1 Claim. (Cl. 40-125)



A combination reinforcing frame and holder for an automobile license plate, said frame and holder comprising a flat polygonal panel; a peripheral flange on the panel extending laterally from one face of the panel and adapted to circumscribe the edge of a license plate when the latter is disposed flatly against said face of the panel; a continuous marginal band integral with the opposite face of the panel, certain lengths of said band being of increased thickness; a plurality of spaced-apart, parallel ribs integral with said opposite face of the panel and integrally joining said lengths; and means for attaching a license plate to said one face of the panel and including a continuous molding having a pair of spaced legs and a bight provided with a decorative face disposed to present a border for said one face of the panel, one of the legs being in circumscribing engagement with said flange and said band of the panel, a flange on the molding in overlapping engagement with one marginal edge of the plate, and a plurality of screws in said one leg and extending into said band.

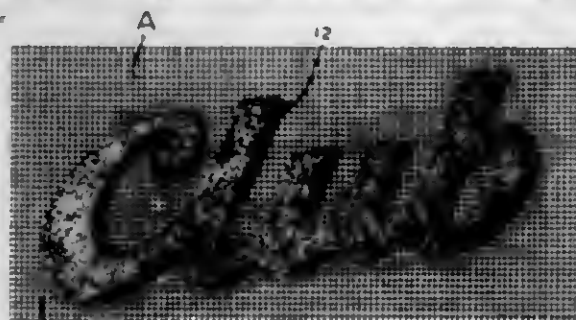
2,624,967

DISPLAY SIGN AND METHOD OF MAKING THE SAME

Matthew H. Phillippl, St. Paul, Minn., assignor of twenty-four per cent each to Charles V. Welty and Howard L. Fischer, both of St. Paul, Minn.
Application August 7, 1950, Serial No. 178,124
2 Claims. (Cl. 40-135)

2. A sign including a stiff mesh base, a coating of adhesive material applied to said mesh, a coating of flock applied to said adhesive in the decorative design desired, a second coating of adhesive applied over said flock, a second coating of flock applied to said second coat of adhesive in offset relation to the desired edge of said first coat of flock to produce a shading effect, a final coat of adhesive applied over said second coat of flock, and a coating of small glass light reflecting

beads applied to said last coat of adhesive to provide an irregular surfaced reflective shaded

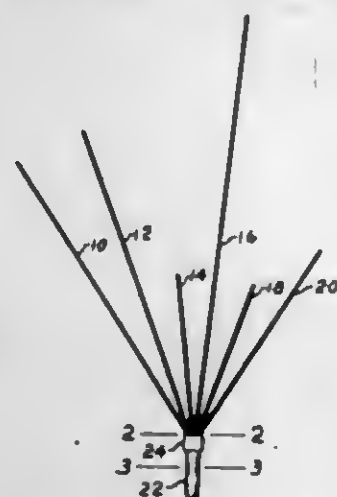


sign in relief having a wide angularity of light entrance and reflection to and from said beads.

2,624,968

CORSAGE FRAME

Anthony C. Polizzi, Rochester, N. Y.
Application July 1, 1950, Serial No. 171,696
4 Claims. (Cl. 41-12)



1. A corstage frame comprising a substantially circular sleeve, a plurality of relatively stiff wires, one end of each being bunched together with the corresponding ends of the other wires within said sleeve, said ends projecting into said sleeve substantially the length thereof, the internal diameter of said sleeve being sufficient to freely receive said wires, said sleeve being flattened at the end from which such wires emerge to reduce the internal cross-sectional area to such an extent as to grip and secure the ends of each of said wires within the sleeve, said sleeve having an internal perimeter in its round shape less than the perimeter of the wires contained therein when lying side by side in a single common plane, whereby the flattened end of said sleeve is stressed into gripping relation with the wires passing therethrough, said wires emerging from the sleeve substantially in a single plane, and having their respective free ends diverging with respect to one another substantially in a common plane, said sleeve being of material adapted to rigidly hold its shape upon deformation.

2,624,969

BREECH BLOCK AND FIRING PIN ASSEMBLY FOR SMALL ARMS

William B. Ruger, Westport, Conn., assignor to Sturm, Ruger & Co., Inc., Southport, Conn., a corporation of Connecticut
Application June 28, 1950, Serial No. 170,753
2 Claims. (Cl. 42-16)

1. The improved breech block firing pin combination for small arms which comprises a breech

block having a cartridge recess, a longitudinal slot in the breech block milled from the exterior which opens into the cartridge recess of the breech block, said slot having a relatively wide upper portion for a return spring and follower rod and a relatively narrow under part for the firing pin, a firing pin of flat strip stock in the



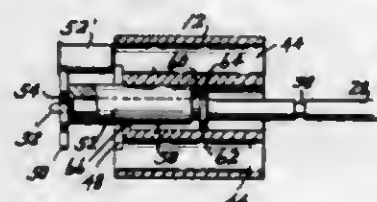
relatively narrow part of the slot, a transverse slot in the forward end of the breech block, an arcuate plate mounted in the transverse slot which holds the forward end of the firing pin down, and a cross pin inserted through coincident holes in the breech block and firing pin to arrest the forward movement of the firing pin.

2,624,970

EJECTION MEANS FOR REVOLVERS

Charles Edward Rowe, Athol, Mass., assignor to Harrington & Richardson Arms Company, Worcester, Mass., a corporation of Massachusetts

Application December 27, 1949, Serial No. 135,075
3 Claims. (Cl. 42-68)



1. In a solid frame revolver formed with a cylinder opening communicating with the barrel, a shell cylinder in said opening, said cylinder having an axial bore and an abutment at the inner end of said bore, ejector means including an ejector plate engageable with the rim of shells carried by said cylinder and a tubular member connected with said plate and slidable axially within the bore of said cylinder from shell-loading position to shell-ejecting position, the inner surface of said tubular member having a shoulder portion, the outer surface of said tubular member having a longitudinally cut away portion to accommodate said abutment so as to permit said axial movement but oppose rotational movement of said tubular member relative to said cylinder, the outer end of said tubular member having a projecting part engageable with said abutment when said tubular member is slid to shell-ejecting position, thereby to prevent removal of said ejector means from said cylinder, and a cylinder pin projecting through said frame and extending axially through said tubular member so as to support said cylinder for rotation, said pin being removable to permit detachment of said cylinder from said frame and when detached said pin being engageable with said shoulder portion to operate said ejector means.

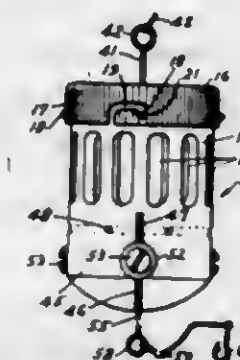
2,624,971

FISH LURE

Merritt R. Norton, West Haven, Conn.
Application October 19, 1950, Serial No. 190,999
5 Claims. (Cl. 43-16)

1. In a fish lure, floatable casing having an internal space in its upper portion to hold lure material and peripherally spaced apart openings

leading through said casing side into said space, through which the lure material therein may exude into surrounding water, a member extending upwardly through said casing approximately centrally of said internal space, to the upper end of which a fish line may be attached, said member being slidable longitudinally of said casing, a short sleeve rigidly connected to said member and having a catch surface, catches pivoted to

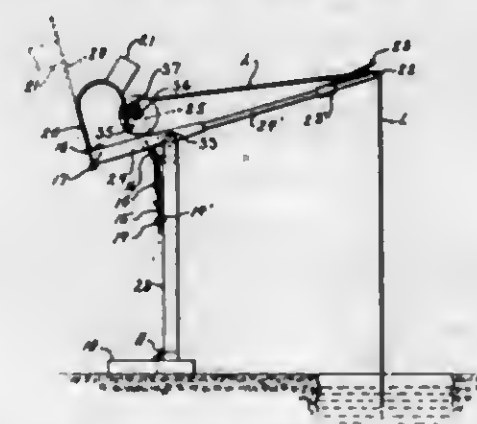


said lower end of said casing and adapted to engage said catch surface, spring means to constantly urge said member upwardly, and fish hook connecting means connected to said member and depending from said casing, said means comprising an element engageable with said catches to disengage the catches from the catch surface of said sleeve when a fish pulls upon said fish hook connecting means.

2,624,972

ICE FISHING RIG

Leo R. Burg, West Bend, Wis.
Application May 12, 1947, Serial No. 747,381
1 Claim. (Cl. 43-17)



A fishing rig of the type having an operative position and a collapsible position comprising, a pair of spaced vertically extending supporting bars, a fishing rod pivotally secured intermediate its ends between said bars, a fishing reel mounted on the top portion of said rod intermediate the pivot point and the rear end thereof and having a fishing line on said reel, the direction of the line feed being from the top portion of said reel and over the tip of said fishing rod, a spring strip pivotally secured at its lower end to the extreme rear end of said rod adjacent the bottom portion thereof, a longitudinally extending clip rigidly secured to the top portion of said fishing rod and terminating at a point beyond the extreme rear end thereof, said clip having a transverse notch in one of its sides and of a size and configuration to receive the adjacent side edge of said spring strip, a signal flag on the upper end of said spring strip, a tongue secured between said supporting bars and extending longitudinally therewith and having a transverse aperture in its upper end, and a coil spring detachably fastened at one end in the transverse

aperture of the tongue and having its opposite end secured to said fishing rod, whereby the fishing rod is resiliently held in its operative position transversely of said supporting bars, said spring strip being flexed downwardly in a direction opposed to the direction of feed of said line and having its upper flag end frictionally held to the line and reel, whereby the forward movement of said line will frictionally feed the upper end of said spring strip upwardly to release the same; said fishing rig being collapsible by releasing said coil spring from said apertured tongue, pivoting the tip end of said fishing rod forward, and releasing said spring strip from engagement with said clip, pivoting said spring strip downwardly and engaging its upper flag end under said longitudinally extending tongue.

2,624,973

SNELLED FISHHOOK HOLDER

Henry O. Wilcox, John C. Raymond, and Aldrid N. Opheim, Denver, Colo.
Application May 11, 1949, Serial No. 92,596
10 Claims. (Cl. 43-57.5)



10. In a holder for snelled fish hooks, a body member provided with means with which a hook of a snelled hook can be engaged, and means carried by the body to which the loop end of the snell can be attached and the snell held taut, said last named means comprising spaced members carried by the body member and extending laterally therefrom, a cylindrical plunger reciprocally mounted in the spaced members and provided with a hook to which the loop can be attached, a coil spring surrounding the plunger between and engageable at one end with one of the spaced members, and an abutment block fixed on the plunger between the spaced members and engageable by the other end of the coil spring, said abutment block having a flat surface slidably cooperating with a surface carried by the body member for preventing rotation of the plunger.

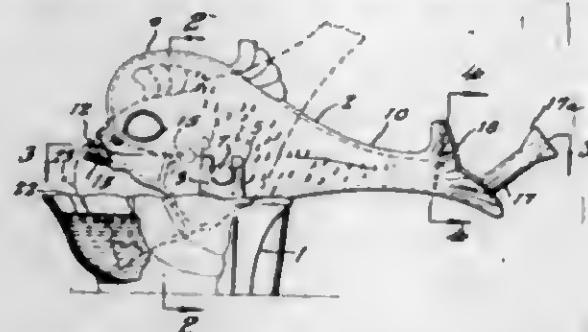
2,624,974

BUBBLE MAKING DEVICE

Norman A. Fisher, Los Angeles, and Arthur B. Mull, Hemet, Calif.
Application March 31, 1950, Serial No. 153,274
1 Claim. (Cl. 46-7)

A bubble making device including an elongated hollow body, a tube provided with an enlarged head communicating with the interior and at one end of said body, a wall transversely spanning the hollow body at the opposite end thereof and having a height less than the transverse dimension of the body to provide a well for the reception of bubble-producing liquid, a

second tube having a free end communicating with the well and said second tube having its axis inclined to the major axis of the body whereby dipping the free end of said second tube into



the bubble-producing liquid will gravitationally cause said liquid to flow into said well when the body assumes a horizontal position, the bubble-producing liquid in said well partially filling the said tube.

2,624,975

JET-PROPELLED TOY BOAT

Donald G. Belding, Orrville, Ohio
Application August 19, 1949, Serial No. 111,257
2 Claims. (Cl. 46—95)



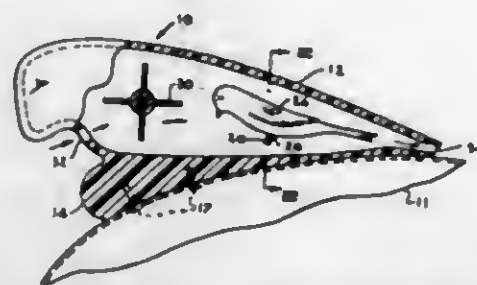
1. A toy boat comprising a hull having a longitudinal recess extending inwardly from its deck intermediate of and spaced from its stern and bow, a longitudinally extending fin positioned below and inwardly of the stern and spaced from the bow of said hull and dependently secured to the latter, there being a longitudinal passage extending inwardly from the stern of said hull adjacent to and spaced from the adjacent end of said fin and terminating in and communicating with a transverse passage formed in said hull and extending downwardly from the recess in the bow of said hull, a tube extending through said longitudinal and transverse passages and having one end extending out of and terminating at a point spaced from the stern of said hull, the other end of said tube terminating at a point adjacent to and spaced from the end of the transverse passage adjacent to the recess in the deck of said hull, a hollow tubular fitting having one end embracing the other end of said tube and seated upon the bounding wall of said transverse passage, the other end of said fitting being constricted, a second hollow tubular fitting circumposed about the constricted other end of said first fitting and embracingly supported on the latter, and an inflatable balloon containing compressed air including a tubular neck arranged

above said hull and having its tubular neck frictionally embracing said second fitting, whereby the air passes from said balloon into the constricted end of said first fitting and thence through and out of said tube to thereby propel the boat forwardly.

2,624,976

HOOD ORNAMENT

Anthony Ferrera, Dearborn, Mich., assignor of one-half to Jolcaomo Scappaticci, Wayne County, Mich.
Application July 1, 1950, Serial No. 171,597
3 Claims. (Cl. 46—124)

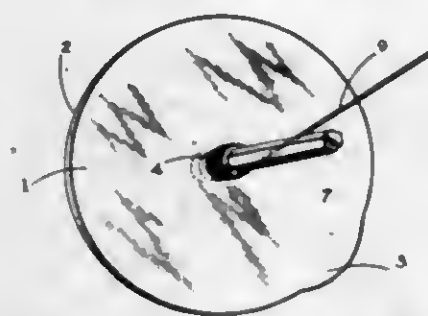


1. A device adapted to be mounted on the hood of a motor vehicle comprising an elongated hollow transparent housing, means for securing said housing to the hood of a motor vehicle, a perch member positioned within said housing transversely of the longitudinal axis thereof, a body member simulating a bird or the like resiliently mounted on said perch member, said housing having apertures in the longitudinal ends thereof for directing a stream of air against said body for actuating the same when the motor vehicle is in motion, a paddle wheel mounted with its axle transverse of said housing and with its paddles between said apertures in the path of said stream of air so as to cause irregular flow of air against said body member thereby causing greater actuation of said body member.

2,624,977

CORD IMPELLED ROTATABLE DISK TOY

Douglas A. Baker, Ottawa, Ontario, Canada
Application March 11, 1950, Serial No. 149,114
1 Claim. (Cl. 46—206)



A freely running, rotatable and freely leaping toy comprising a hub and a disk having a peripheral protrusion seated on said hub, said hub having an enlarged shoulder portion on one side of the disk and a reduced trunnion portion on the other side thereof, said disk being seated on said trunnion portion against the shoulder portion; a supplemental hub portion coextensive in external diameter and length with the enlarged shoulder portion, said supplemental hub portion being seated on said trunnion portion to secure said disk on said hub and balance same on each side of said disk; an impelling cord windable about said hub on either side of said disk; an axial bore ex-

tending through said hub; a handled shaft insertable into said bore from either end to support said toy while it is being rotated, said disk running and leaping freely on its periphery when released from said shaft after having been started running by said cord.

2,624,978

METHOD OF FORMING DOUBLE GLAZED UNITS

Frederick R. Hohmann, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 28, 1948, Serial No. 67,685
4 Claims. (Cl. 49—82)



1. In the method of forming double glazing units by providing conductive material upon the edges of a pair of plates of glass and passing electricity through the conductive material to heat the edges and fuse them together, the steps which comprise supporting the plates of glass while flat and approximately in contact with each other, then passing electrical current through the edge stripes of conductive material to heat the adjacent glass to fuse the plates together in the area of the stripes, then separating the plates in the non-fused portions by bending the softened portions adjacent the fused portions to form edge walls and thus provide the double glazing units.

2,624,979

METHOD OF PRODUCING WELDED DOUBLE GLAZED UNITS

William R. Clever and Harry O. Phalin, Port Allegany, Pa., assignors to Pittsburgh Corning Corporation
Continuation of application Serial No. 67,698, December 28, 1948. This application March 14, 1950, Serial No. 149,562
22 Claims. (Cl. 49—82)



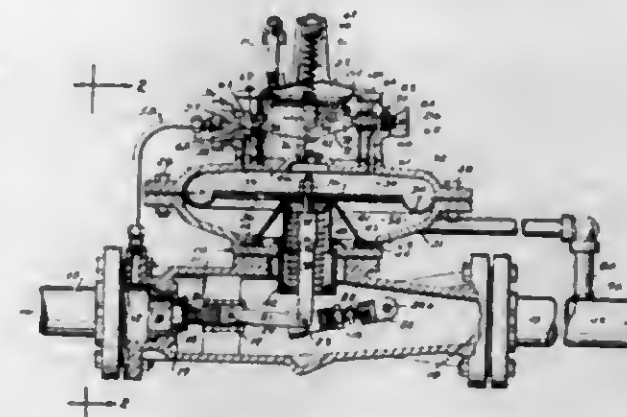
1. In a process of forming double glazing units of the character described comprising the steps of, providing two glass sheets one of which has marginal edge dimensions substantially equally greater than the corresponding margins of the other, the larger of said sheets having a pore hole therein and stripes of electrically conductive material disposed adjacent each marginal edge and extending between the adjacent opposite marginal edges, the sheets being disposed in superposed relation with the striped sheet uppermost and spaced from the lowermost sheet a distance substantially less than the final spacing of the sheets in the completed unit, heating the uppermost sheet by cycling an electric current through the said stripes until the sheet is heated to electrically conductive temperature and its marginal edges soften and sag into engagement with the marginal portions of the lowermost sheet, thereafter cycling electrical current through the engaging portions of both sheets

to substantially uniformly raise the temperature therein to about 1900° to 2100° F. to form a weld, separating the sheets by pulling the upper sheet sufficiently slowly upwardly from the lower one to lift part of the glass of the lower sheet at the weld to start formation of a fillet with the lower sheet, passing at least one additional cycle of current through the connecting portion of the now separated sheets and thereafter introducing air under pressure into the space between the sheets to round out the fillets of both sheets at the weld into one continuous fillet, discontinuing the air pressure, annealing the completed unit and sealing the pore hole.

2,624,980

PILOT OPERATED FLUID PRESSURE REGULATOR

George C. Hughes, Anderson, Ind., assignor to Reynolds Gas Regulator Company, Anderson, Ind., a corporation of Indiana
Application June 30, 1950, Serial No. 171,496
5 Claims. (Cl. 50—11)

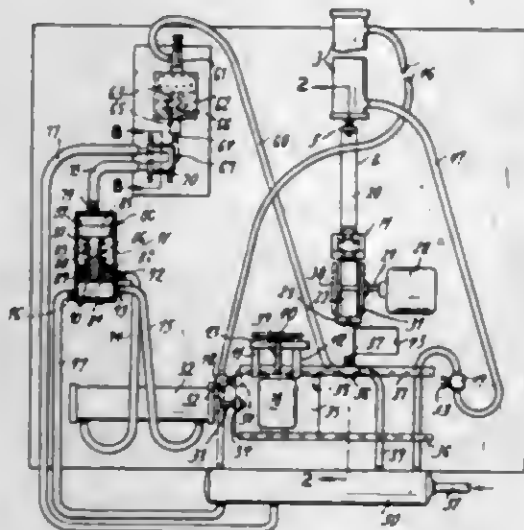


1. A fluid pressure regulator comprising, a body having a main fluid passageway and a supplemental fluid passageway, each having a high pressure inlet and a low pressure outlet, a main valve and a supplemental valve to control the flow of fluid through respective passageways, said body having a main cavity and a supplemental cavity, a main diaphragm and a supplemental diaphragm extending across respective cavities, operating connections between respective valves and diaphragms to move the valves in response to the movement of their diaphragms, resilient means to bias the main diaphragm to a valve closing position, resilient means to bias the supplemental diaphragm to a valve opening position, the supplemental diaphragm dividing its cavity into a valve closing pressure chamber and an atmospheric chamber, the main diaphragm dividing its respective cavity into a valve closing pressure chamber and a valve opening pressure chamber, means connecting the high pressure inlets of each passageway with a common source of high fluid pressure, passageways connecting the valve closing chambers with each other and with the low pressure outlet of the main passageway, the supplemental passageway outlet opening directly into the opening pressure chamber of the main diaphragm, a passageway connecting the last mentioned chamber with the supplemental valve closing chamber, a relief valve to control the flow of fluid through the last named passageway, and means acting automatically in response to movement of the supplemental diaphragm to open said relief valve following the closing of the supplemental valve and to close said relief valve prior to the opening of the supplemental valve.

2,624,981

CUTOFF MACHINE

Robert C. Kenyon, Ferguson, Mo., assignor to Lewin-Mathes Company, St. Louis, Mo., a corporation of Missouri
Application November 28, 1951, Serial No. 258,192
8 Claims. (Cl. 51-3)



1. In a device for grinding burrs from rough faces of castings, a base having first and second track-defining means, said second track-defining means being located substantially in the same plane as the first track-defining means and extending perpendicularly across one end thereof, a main slide operatively mounted in the first track-defining means for shifting movement to-and-fro in a straight line, a cross slide operatively mounted in the second track-defining means for shifting movement to-and-fro along a path perpendicular to and spaced outwardly from one end of the path of the main slide, first grinding means operatively mounted on the base adjacent the first track-defining means in lateral relation to the path of movement of the main slide, second grinding means mounted on the cross slide, a work-supporting fixture carried by the main slide and being adapted to hold the work in such a manner that the rough faces to be ground will pass by and engage against the first grinding means as the slide moves toward the path of the cross-slide, a first hydraulic ram operatively connected to the main slide for reciprocating the main slide, a second hydraulic ram operatively connected to the cross slide for reciprocating the cross slide, and a timing valve operatively connected to both of said rams for alternately admitting fluid under pressure to said hydraulic rams for causing the main slide and cross slide to reciprocate in timed relation to each other.

2,624,982

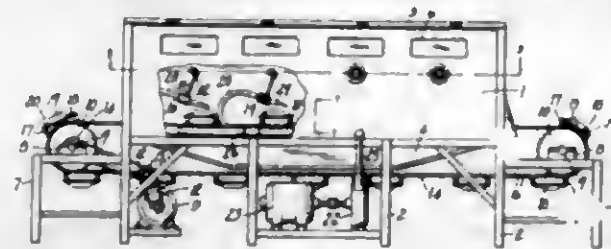
MACHINE FOR POLISHING AND BUFFING ARTICLES WITH ABRASIVE CARRYING FLUIDS

Henry J. Vander Wal, Grandville, Mich., assignor to Wagner Brothers, Inc., Highland Park, Mich., a corporation of Michigan

Application December 30, 1949, Serial No. 135,922
17 Claims. (Cl. 51-14)

3. In combination with a work advancing means having a series of article holders mounted therealong, walls forming an enclosure about one reach of said means, a sump tank associated with said enclosure, a plurality of nozzle elements adjustably supported from the walls of said enclosure and disposed longitudinally over said one reach, means for adjusting the angular position of said nozzles relative to said one reach,

tubes for supplying liquid to said nozzles, a pump and manifold for recirculating said liquid from said tank to said tubes at a pressure in excess

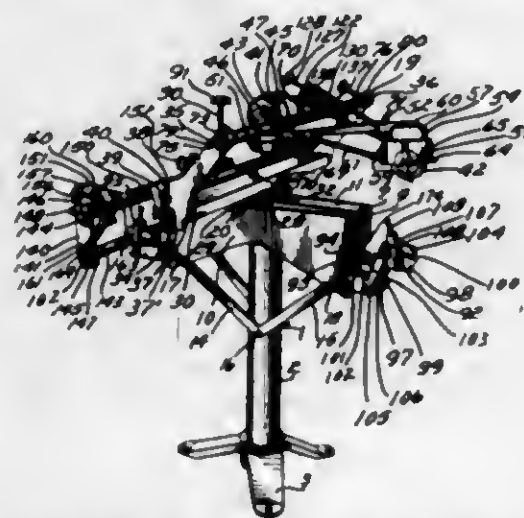


of 200 lbs. per square inch, and a charge of liquid in said tank including an abrasive and small pieces of felt and sponge rubber.

2,624,983

GRINDING DEVICE FOR LAWN MOWERS

Oscar C. Rink, Liberty, Mo.
Application April 27, 1950, Serial No. 158,387
4 Claims. (Cl. 51-48)



1. A machine of the character described including a support, a substantially horizontal platform on the upper end of the support, spaced guides extending across the platform, a carrier member movable along the guides, work supports on the platform at opposite ends of the guides, a frame, a guide rail carried by the frame transversely of the guides on the platform, a motor carriage movable along the guide rail, an arm projecting from the motor carriage for supporting a motor driven tool above one of the work supports, a complementary guide rail carried by the frame in spaced parallel relation with the first named guide rail, a gauge member movable along the complementary guide rail and having connection with said arm whereby the complementary guide rail cooperates with the first named guide rail in supporting the grinding wheel relatively to said work support, and means rotatably mounting said frame on the carrier for turning the frame on said carrier to position the grinding wheel over the other of said work supports.

2,624,984

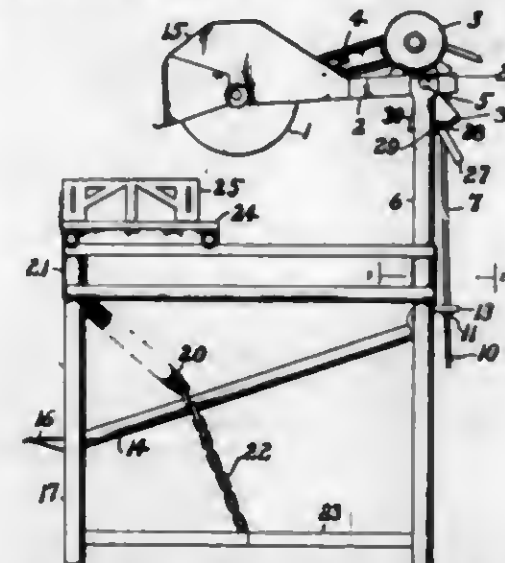
MASONRY SAW

Edward A. Zusclo, Bywood, Pa., assignor to Victor Engineering Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application October 4, 1950, Serial No. 188,290
1 Claim. (Cl. 51-92)

A masonry saw comprising supporting columns, a platform pivotly mounted on two of said columns, a cutting blade and motor mounted forward of the transverse axis of said platform, said

cutting blade and platform rotatable about said transverse axis, a slotted sector secured to said transverse axis, a boss and a lever mounted on a

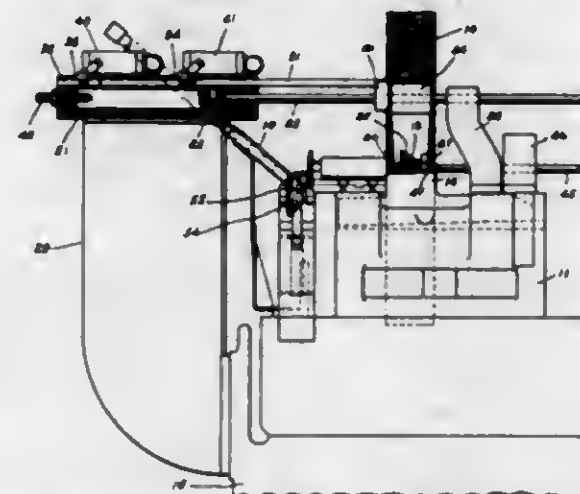


column below one of said pivot points and engageable with said sector for securing said cutting blade and platform in a given position.

2,624,985

WORK LOADING DEVICE FOR MACHINE TOOLS

William E. Happel, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application January 5, 1950, Serial No. 136,907
7 Claims. (Cl. 51-103)



1. In a centerless grinding machine having peripherally opposed grinding and control wheels, a work rest for supporting a work piece in operative relation to said wheels, means for introducing a work piece into the grinding throat formed by said wheels and said work rest and removing same therefrom after a grinding operation, including guide surfaces adjacent said work rest for guiding said work piece into said grinding throat, a chute for conducting work pieces to a position offset from said work rest, means having work supporting surfaces corresponding to said guide surfaces for receiving work pieces from the chute, carrying it in a lateral direction to and holding it in alignment with said work rest, means operable thereafter for moving said work piece axially from said carrying means and placing it in operative position in said grinding throat, means for effecting a feeding action of one of said wheels after said work has been placed in grinding position, means for returning said carrying means to work receiving position before a finished work piece is removed from said grinding throat, and means for thereafter reversing said axially moving means

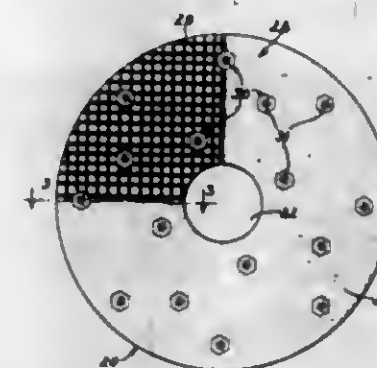
666 O. G.-28

for removing the work piece from the grinding throat to the position previously occupied by said carrying means whereby said work piece is removed from said axially moving means by gravity.

2,624,986

ABRASIVE DISK

Vernon L. Loofboro, Rockton, Ill., and Robert A. White, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill., a corporation of Illinois
Application July 19, 1950, Serial No. 174,722
11 Claims. (Cl. 51-209)



1. A reinforced abrasive disk adapted for mounting upon a rotatable supporting wheel and comprising, in combination, a reinforcing mesh, a body of abrasive material molded about said mesh and having a grinding face and a mounting face, said mesh being recessed well within said body between said grinding and said mounting faces, fastener members imbedded within said body and each having spaced apart lateral enlargements sandwiching said mesh therebetween as well as a reduced intermediate portion passing through the mesh, said members being disposed in radially and circumferentially spaced relation with respect to each other, one of said lateral enlargements of each fastener member having a metallic face spaced axially of said body from the plane of said mesh and coplanar with the mounting face of said body, said metallic face having an area larger than the cross-sectional area of said reduced intermediate portion to give a substantial metallic bearing at the mounting face of said disk and prevent the transfer of clamping stress to said abrasive body.

2,624,987

ABRASIVE DISK

Vernon L. Loofboro, Rockton, Ill., and Robert A. White, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill., a corporation of Illinois
Application July 19, 1950, Serial No. 174,723
8 Claims. (Cl. 51-209)



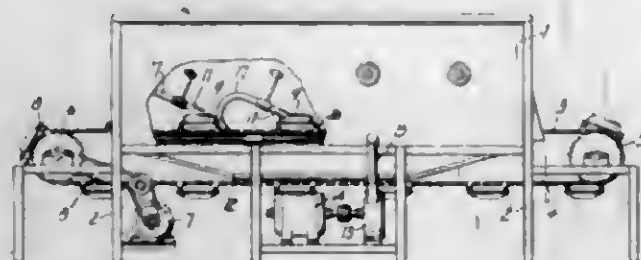
1. A reinforced abrasive disk susceptible of attachment to a rotatable supporting wheel and comprising, in combination, a reinforcing mesh, a body of abrasive molded about said mesh and

having a mounting face thereon, said mesh being recessed well within said abrasive body, a plurality of fasteners, each having a shank projecting through one of the interstices of said mesh and terminating in a face coplanar with the mounting face of said abrasive body, each of said fasteners having a laterally enlarged head disposed in clamping engagement with one face of said mesh, and a collar rigidly attached to the end of each said shank remote from said head and disposed in clamping engagement with the opposite face of said mesh, each of said collars terminating in a laterally enlarged bearing face coplanar with the mounting face of said body.

2,624,988

POLISHING OR BUFFING COMPOSITION AND METHOD OF USING THE SAME

Henry J. Vander Wal, Grandville, Mich., assignor to Wagner Brothers, Inc., Highland Park, Mich., a corporation of Michigan
Application February 1, 1950, Serial No. 141,768
8 Claims. (Cl. 51-282)

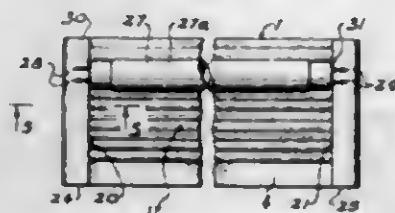


5. The method of polishing or buffing comprising the steps of blast impinging the work with a liquid vehicle carrying small fragments of sponge rubber and small fragments of felt, and a powdered abradant.

2,624,989

METHOD OF PACKAGING ELONGATED ARTICLES

Ray T. White, Rocky River, Ohio, assignor to The Hankins Container Company, Cleveland, Ohio, a corporation of Ohio
Application August 3, 1949, Serial No. 108,378
2 Claims. (Cl. 53-3)

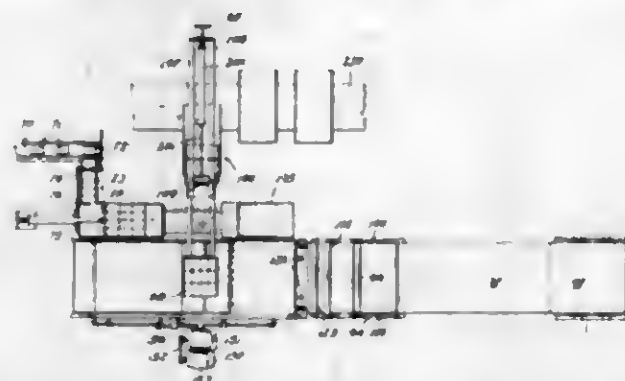


1. The method of protectively packaging an elongated cylindrical article in corrugated wrapping material having a corrugated inner wall portion and a non-corrugated backing sheet secured thereto including, cutting a flat blank from said wrapping material, forming fold lines transversely of said blank and extending in a direction substantially parallel to the outer edges of said blank and defining end flaps and a central portion, folding both of said end flaps inwardly on said fold lines toward each other until the corrugated wall portions of said end flaps overlap the corrugated wall portion of the central portion of said blank, disposing the cylindrical article to be packaged on said flat blank between said outer edges of said inwardly folded end flaps with the ends of said article adjacent said edges, wrapping said material around said article, and securing said wrapping material in wrapped position.

2,624,990

BAG WRAPPING MACHINE

Howard G. Allen, Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga.
Application September 9, 1948, Serial No. 48,445
24 Claims. (Cl. 53-45)

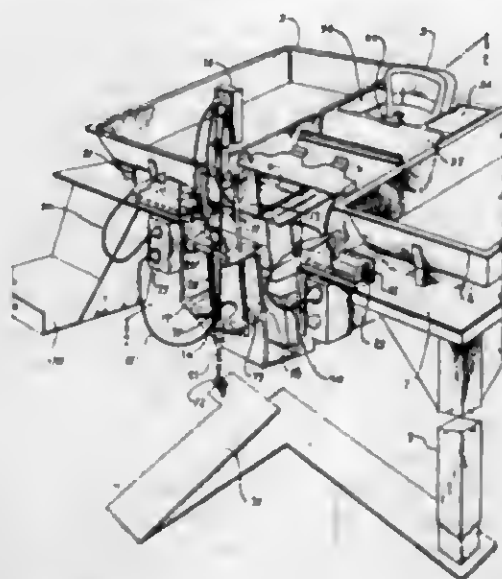


1. Apparatus for wrapping and securing a bag blank in tubular form about the ultimate contents of the bag as a step in bag fabrication, said apparatus comprising a support and article holding means projecting outwardly therefrom, wrapping mechanism and a support therefor disposed beyond said outwardly projecting article holding means, said wrapping mechanism including a wrapping bar projecting from said second support and extending adjacent to the articles held by said article holding means, means for revolving said bar about said articles and the article holding means, means urging the wrapping bar yieldably against the articles and the article holding means, and means for holding the leading edge of a bag blank against an exterior surface of the article holding means whereby subsequent revolution of the wrapping bar wraps the trailing portion of the blank about the articles and the article holding means in multi-ply tubular form.

2,624,991

FRANKFURTER WRAPPING MACHINE

Thomas J. C. Chapman, Chicago, Harry G. Holtz, Oak Lawn, and Brandon S. Jenison, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application April 25, 1949, Serial No. 89,472
3 Claims. (Cl. 53-74)



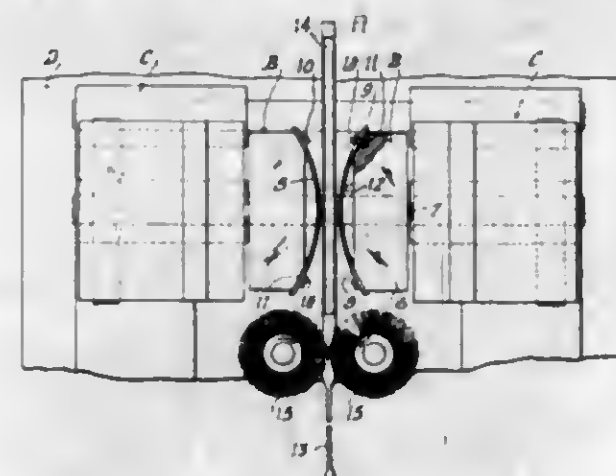
1. In combination with a weighing scale means for weighing and wrapping a plurality of articles comprising a well having bottom, side, and end walls, a package-supporting member having a spring affixed thereto, said spring resting on the

bottom of said well whereby the weight of the package is transmitted to said scale, a pivotally-mounted heat sealer, and means for moving said heat sealer into engagement with the top of said package for heat sealing the said portions of a wrapper therearound and for further moving said heat sealer to depress the package into said well whereby the walls of the well wipe the extending end portions of said wrapper over the end of the package.

2,624,992

PACKAGE SEALING DIE HAVING RESILIENT FACING STRIP

Leroy L. Salfsberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application November 19, 1948, Serial No. 60,985
1 Claim. (Cl. 53-86)



A packaging machine including feeding means for advancing longitudinally step-by-step a tube containing fluent material and having compressible walls, a pair of sealing dies between which portions of the wall of said tube may be pressed together to form a seal, means for actuating said sealing dies toward each other and apart in timed relation to the feed of said tube to form said seal and permit said feeding, respectively, characterized in that each of said dies includes a block and at least one die has a resilient face plate to engage the wall of said tube, said face plate being convexly curved in the direction of operation of said feeding means to form a smooth and continuous convex face to engage said tube, said face being substantially continuous and straight transversely of the direction of operation of said feeding means, said face plate being capable of flattening under pressure exerted thereon during the formation of the seal thereby to progressively displace said fluent material in said tube away from the zone of contact of said portions of the wall of the tube, and means mounting said face plate on said block so that at least one end of said face plate may move lengthwise of the tube when the face plates press the tube between them.

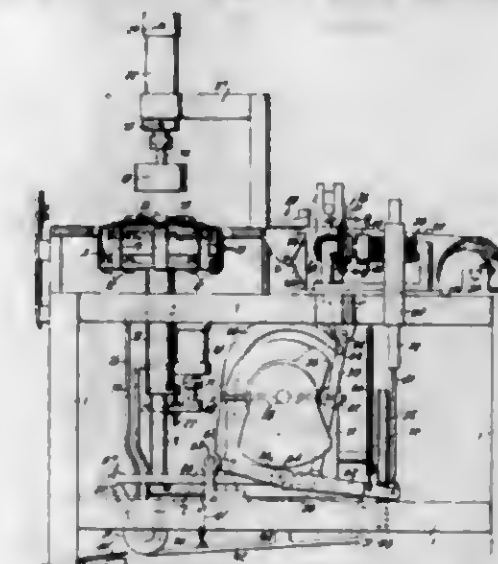
2,624,993

ARTICLE WRAPPING DEVICE

Robert H. Robertson, Orono, Maine, assignor of one-half to Robert B. Stevens, Greenwich, N. Y.
Application April 27, 1949, Serial No. 89,853
15 Claims. (Cl. 53-127)

3. An article wrapping device comprising a form adapted to have a sheet of wrapping material laid thereover and to support the articles to be wrapped in said sheet when said articles

are positioned on said form with said sheet therebetween, means for automatically upturning the marginal portions of said sheet around said articles as they are positioned on said form with said sheet therebetween, a radially and circumferentially expansible and contractible, resilient annulus, means for maintaining said annulus normally disposed in expanded condition around said form in laterally-spaced relation

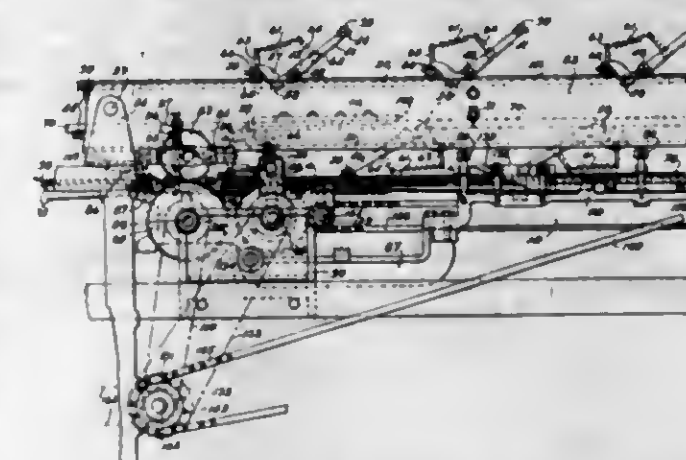


thereto, means cooperating with said last mentioned means for effecting a contraction of said annulus to engage said upturned portions of said sheet around said articles and push them inwardly at least partially over said articles, and to effect a return of said annulus to its normal expanded condition, and means for applying pressure to said marginal portions of said sheet when pushed inwardly to fold them against said articles and enclose said articles in said sheet.

2,624,994

WRAPPING MACHINE FOR FLEXIBLE ARTICLES

Francis C. Crescenzo, Springfield, Mass., assignor to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application January 11, 1951, Serial No. 205,590
8 Claims. (Cl. 53-131)



1. In a machine for wrapping thin flat articles which includes means to fold a wrapper around an article to leave portions of the wrapper extending outwardly from the sides of the article; constantly traveling means to releasably clamp the forward edge portion of the article to pull the article forwardly, constantly driven crimping rolls at the side of the path of movement of the article and positioned to engage the said extending portions of the wrapper between them and means to release the article from said clamping means during the period that the wrapper extensions are

between the crimping rolls to permit the latter to freely advance the article during the crimping operation.

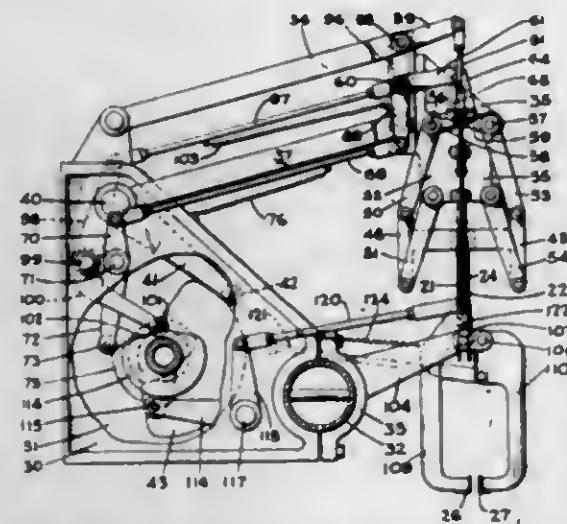
2,624,995

BAG CLOSING MACHINE

Howard G. Allen, Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga.

Application June 11, 1948, Serial No. 32,332

5 Claims. (Cl. 53-142)



1. Bag tucking and closing apparatus comprising a pair of generally parallel relatively flat bag spreading elements of substantially the same width as the bag and insertable in the open top of a bag and movable toward and away from each other flatwise, a pair of bag tucking blades disposed in a common plane extending between said spreading elements and generally parallel thereto, said blades being movable toward and away from each other edgewise, resilient means for urging the spreading elements away from each other and other means for moving the spreading elements toward each other against the urge of the resilient means to permit insertion of the spreading elements in the top of a bag, said resilient means being subsequently operative to move the spreading elements away from each other in the top of the bag to spread and square the same, and means for subsequently moving the tucking blades toward each other whereby the tucking blades move against the sides of the bag to tuck the same between the front and back of the bag to tuck and close the same over the bag contents.

2,624,996

TOP WIG FOR HORSES

William Davis Laningham, Austell, Ga.
Application December 5, 1949, Serial No. 131,103
3 Claims. (Cl. 54-78)



3. In a device of the class described, a support having a rigid body portion and a rigid depending

skirt portion, said body and skirt portions being formed with a concave front surface and a convex rear surface, fastening means on said body and skirt portions for securing the support to the natural tail of an animal, a seat portion extending forwardly and upwardly from the upper extremity of the body portion, a wig supporting portion extending angularly upwardly and rearwardly from said seat portion, said wig supporting portion including spaced front and rear members, and means for adjustably securing the lower extremity of said rear member to the body portion intermediate the length thereof for varying the angular relationship between said wig supporting and body portions.

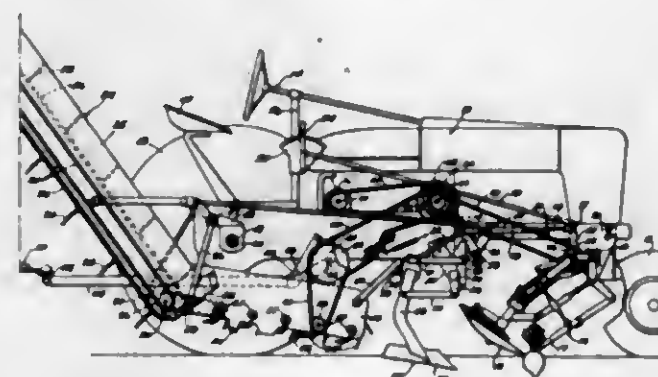
2,624,997

BEET HARVESTER

John W. Orendorff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 9, 1945, Serial No. 587,271

5 Claims. (Cl. 55-51)



1. In a tractive agricultural machine having implement parts movable between operating and non-operating positions, a connecting member movably mounted on the machine, a part pivotally attached to said member for swinging movement with respect to the vehicle, a cylinder and piston on the machine, means deriving power from the machine for effecting movement of the piston in said cylinder, connecting means between the cylinder and said part to effect swinging movement thereof about its pivot, and separate connecting means between said cylinder and said connecting member for effecting simultaneous movement thereof relative to the machine.

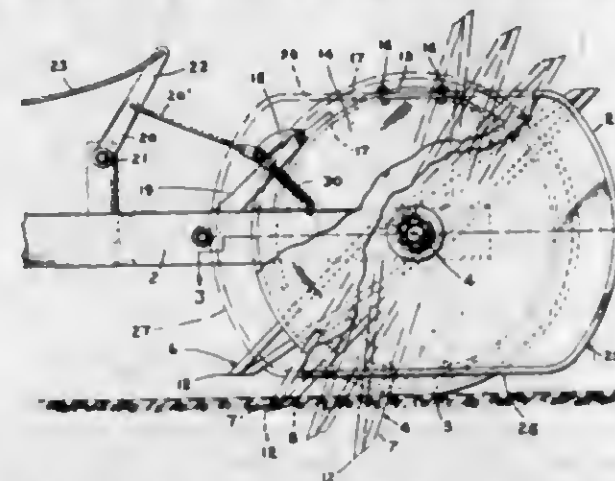
2,624,998

SAGEBRUSH PULLER OR UPROOTER

Miles C. Choate, Tangent, Oreg.
Application June 15, 1949, Serial No. 99,170
12 Claims. (Cl. 55-66)

1. In a brush puller, a supporting frame, an axle rotatably carried by said frame, a plurality of brush uprooting teeth rigidly attached to and carried by said axle, supporting traction wheels carried by said axle and rotatable independently of the axle, controlling cam wheels rigidly mounted on said axle, releasable dogs engaging said controlling cam wheels to hold said teeth in brush uprooting position, and dumping wheels rigid on said axle and movable into tooth dumping position upon release of said dogs, said dumping wheels having diametrically opposed flat perimetrical parallel sections the radii of which flat sections are less than the radii of supporting traction wheels and diametrically opposed curved perimetrical sections the radii of which are great-

er than the radii of the supporting traction wheels whereby when one of said curved perimetrical sections is moved into ground engaging position said supporting traction wheels will be



raised off the ground and the axle will be rotated by forward movement of the brush puller to move said brush uprooting teeth out of the ground and into dumping position.

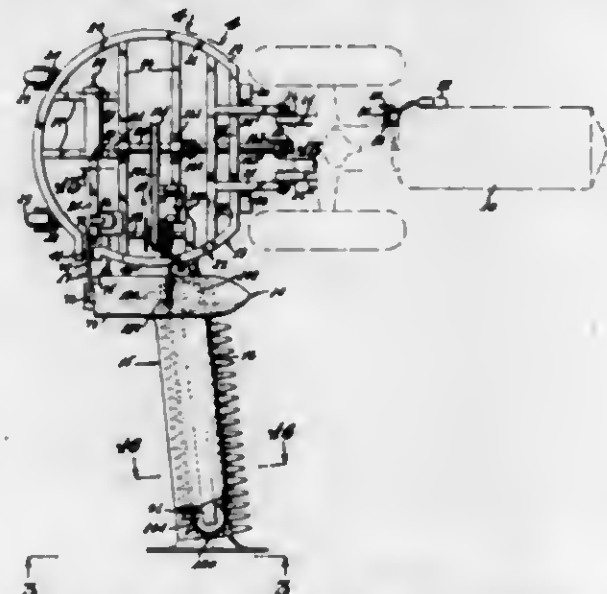
2,624,999

MOWING APPARATUS

Austin G. Goodnight, Hanford, Calif.

Application November 10, 1947, Serial No. 784,967

9 Claims. (Cl. 56-25)



1. In a mower having a draft frame, and a sickle bar borne by the draft frame in substantially horizontal attitude, the combination of an endless sickle borne by the sickle bar for substantially horizontal orbital travel, a variable speed driving linkage adapted to connect to a source of power and to motivate the sickle in said orbital travel, and a monitor means translating resistance offered by the sickle to said motivation into speed governing of the driving linkage whereby increased resistance results in responsive increased speed of travel of the sickle.

2,625,000

ATTACHMENT FOR SIDE DELIVERY HAY RAKES

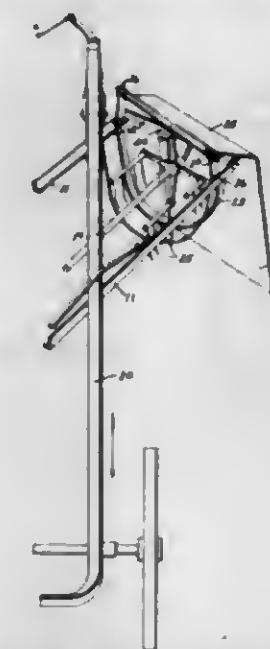
Charles M. Benbow, Anderson, Ind.

Application January 2, 1952, Serial No. 264,554

1 Claim. (Cl. 56-399)

For a side delivery rake having a frame supported in vertically spaced relation to the ground over which the rake travels and wherein said frame has side bars extending longitudinally of the rake, an apron supported on the delivery end

of the rake and having a substantially vertical wall extending across said end and terminating at its lower edge in proximity to the ground, the forward position of said lower edge being spaced from the rake at less distance than the rear portion of said edge, an angular extension at the upper edge of the vertical wall of the apron overlying the adjacent end of the rake frame, and



means to swingingly support said apron from said frame, said means comprising a pair of eyed supports extending upwardly from said side bars, a shaft carried in the eyes of said supports, a sleeve formed on the free edge of the apron extension and having the shaft extending therethrough and end collars adjustably mounted on the shaft at opposite ends of said sleeve for centering the apron on said shaft.

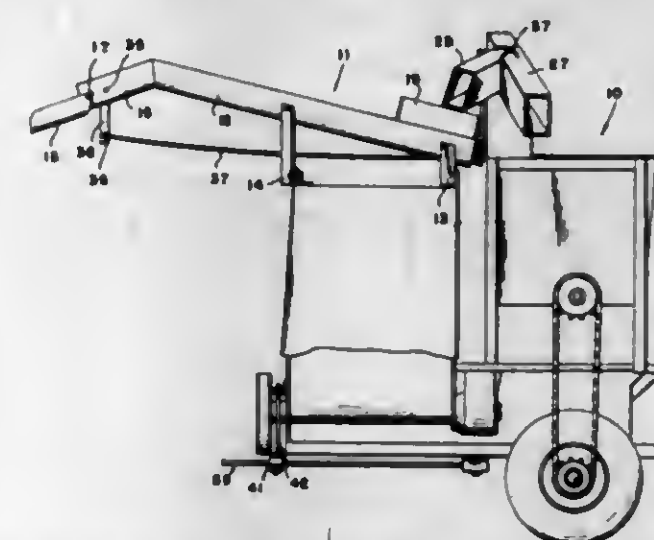
2,625,001

GRAIN UNLOADING ATTACHMENT

Rudolph George Heun, Schuyler, Nebr.

Application February 1, 1950, Serial No. 141,733

5 Claims. (Cl. 56-473.5)



4. A grain unloading attachment for installation on a combine having a power driven grain elevator, a discharge spout in communication with the elevator and a storage bin on the combine, the improvement comprising a tubular housing rigidly supported by and extending rearwardly of the combine, an endless screw journaled within said housing, a hopper on said housing communicating with the interior thereof, a pulley on said endless screw shaft externally of the housing, a pulley on the power driven elevator, a belt trained around said pulleys whereby

the endless screw is driven by the power driven grain elevator, a supplemental discharge spout in communication with the discharge spout and terminating above said hopper, valve means in said discharge spout to direct the grain flow from the elevator through either the discharge spout or the supplemental discharge spout, and a control member on said discharge spout for actuating said valve.

2,625,002

AUTOMATIC SELF-DUMPING BALE CARRIER

Elmer G. Prechel, Springfield, Minn.
Application July 12, 1950, Serial No. 173,287
6 Claims. (Cl. 56—476)

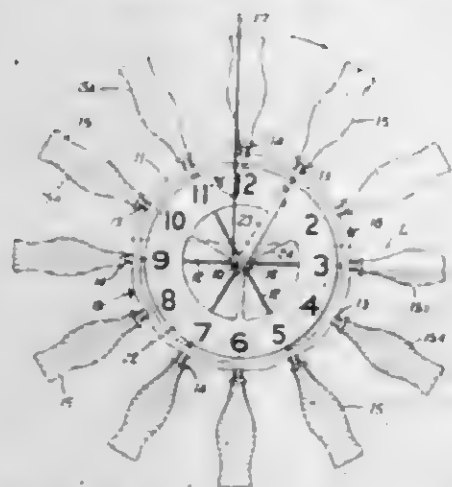


1. An attachment for baling machines comprising a bale supporting platform, means for mounting the platform on a baling machine for vertical swinging movement and in a position to receive bales therefrom, means for yieldingly urging the platform towards a raised position to support bales received thereon, latch means responsive to the platform being in the raised position to prevent downward swinging movement of the platform, said platform having a vertically inclined surface when in the raised position that is inclined in a direction transverse to the direction of vertical swinging movement of the same, and latch releasing means engageable by a bale on the platform for rendering said last means ineffective, whereby the platform swings downwardly under the weight of a bale thereon against the first means to be discharged therefrom, said last-mentioned means being disposed adjacent the upper edge of the inclined surface.

2,625,003

LIQUID DISPLAY CLOCK

Oscar J. Burden, Alliance, Ohio, assignor of one-half to Glenn E. Burden, Alliance, Ohio
Application March 1, 1950, Serial No. 147,063
7 Claims. (Cl. 58—2)



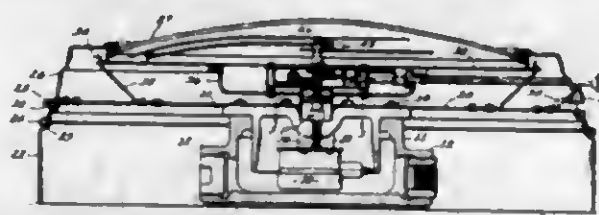
7. A rotary fluid time indicator including a wheel having a hub shaft, a peripheral tube on the wheel, spokes supporting said tube on said

hub shaft, a series of bottles connected to and communicating with said tube at intervals and extending radially outward therefrom, a body of liquid filling some of the bottles and part of the tube, restricted passageways in opposite portions of said tube, valves for regulating the size of said passageways, pulleys on said shaft on opposite sides of said wheel, a source of limited power including lines wrapped around said pulleys for rotating the wheel at a rate corresponding to the flow of liquid through said restricted passageway, a dial movably mounted on said wheel, and means for preventing rotation of said dial.

2,625,004

EXPLOSION RESISTING CLOCK

Harold L. Bush and Willard E. Parish, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application April 14, 1948, Serial No. 20,966
6 Claims. (Cl. 58—23)

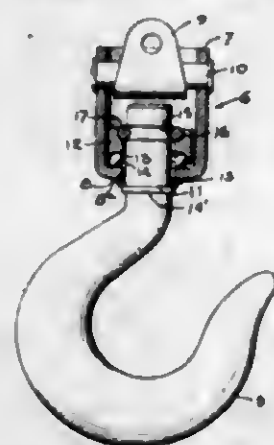


1. An explosion proof clock comprising a housing having means for connection to a conduit line and having an opening in one side, a flame tight closure for the open side of the housing, a driving motor mounted in the housing and having an output shaft extending through said closure in flame tight relation thereto, a plate extending radially from said housing, a dial detachably secured to said plate in spaced relation thereto, a clock works assembly carried by said dial and arranged intermediate said plate and dial, said works assembly having output shafts extending through the dial and an input shaft, motion transmitting means connecting said input shaft to the output shaft of the motor, a casing enclosing the dial, means operable externally of the casing for detachably securing the casing to said plate, and a crystal carried by said casing and overlying the dial.

2,625,005

HOIST HOOK ASSEMBLY

John G. Myers, Grand Haven, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan
Application June 12, 1947, Serial No. 754,233
1 Claim. (Cl. 59—95)



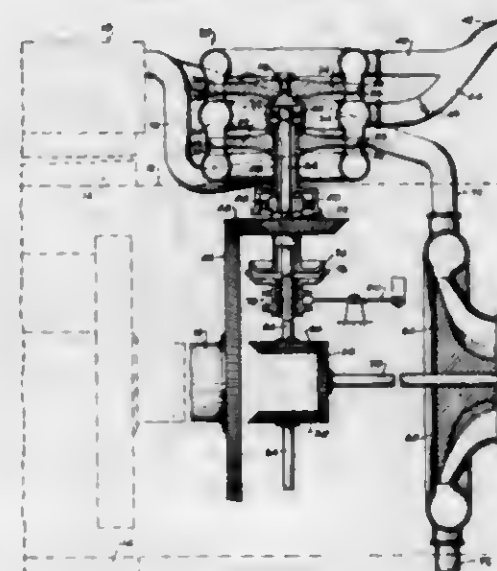
A hook assembly comprising, in combination, a hook holder having a transverse wall defining an aperture therein, a retaining collar supported

on one side of said wall and defining an opening therethrough substantially commensurate in size with said aperture and disposed in concentric relation thereto, said collar defining therein an annular recess extending around said opening at the end thereof remote from said wall, said recess presenting a surface of concave cross section facing radially inwardly and outwardly from said wall, a hook having an elongated shank thereon projecting through said aperture and said opening, the end of said shank remote from said hook being generally cylindrical in shape and defining therein a circumferential groove presenting a concave surface facing radially outward and adapted to register with said collar recess, said shank including a section thereof having a cross sectional size limited by the size of said aperture and extending from said groove toward the hook proper for a distance substantially greater than the distance from said collar recess to the remote side of said wall to enable said shank to be shifted inwardly through said aperture to dispose said shank groove beyond its normal position of registration with said collar recess, an annular split ring of generally circular cross section seated in said groove when said shank is in said inward position, said shank being shiftable outwardly through said aperture to seat said split ring in said recess, and said concave surfaces of said shank groove and said collar recess serving to wedge said split ring between said shank and said collar as an incident to the application of tensile forces to said shank.

2,625,006

COMPOUND ENGINE

Wilton G. Lundquist, Hohokus, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 25, 1947, Serial No. 787,946
6 Claims. (Cl. 60—13)



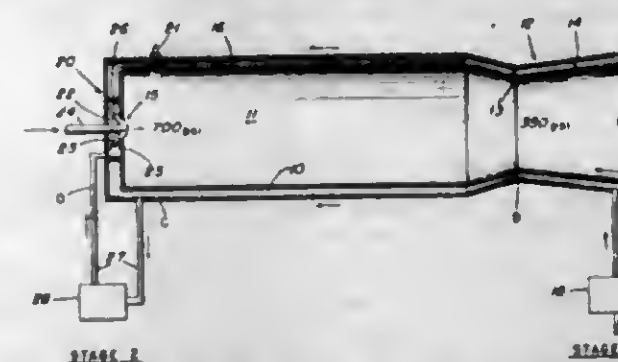
1. In combination: a multi-cylinder internal combustion engine having a crankcase with a crankshaft therein; a plurality of circumferentially spaced engine cylinders mounted on and about said crankcase; a supercharger for the engine intake air co-axially disposed adjacent to the rear end of said crankshaft; a plurality of circumferentially spaced turbine units mounted on said crankcase rearwardly of said cylinders; each of said turbine units comprising a first stage blow-down turbine and a second stage pressure turbine disposed adjacent to and co-axial with its first stage turbine with the axis of each such unit being disposed substantially radially relative to said crankshaft, each first stage turbine including a plurality of individual inlet nozzles

receiving exhaust gases from different engine cylinders for driving said first stage turbine and each second stage turbine being arranged to be driven by the exhaust gases discharging from its associated first stage turbine; means drivably connecting each first stage turbine to said crankshaft; and means drivably connecting each second stage turbine to said supercharger.

2,625,007

ROCKET MOTOR COOLING SYSTEM

Robert C. Truax, United States Navy
Application February 7, 1951, Serial No. 209,891
5 Claims. (Cl. 60—35.6)
(Granted under Title 35, U. S. Code (1952), sec. 266)

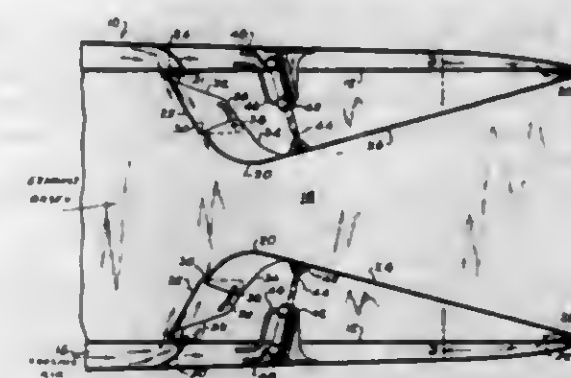


1. A rocket-type internal combustion motor having a fuel injector, a discharge nozzle having a constriction and combustion chamber enclosed by a wall formed by a surface of revolution about the nozzle axis, a jacket forming a fuel conduit and cooling chamber in said wall and about said constriction, a coolant-fuel inlet to the jacket chamber at the discharge nozzle end of said motor, a conduit between said jacket chamber and injector, and apparatus for reducing the external pressure on said nozzle constriction due to coolant-fuel flow in said jacket, comprising means for developing a fraction of the final injection pressure in the fuel supplied through said inlet, and additional means at the injector end of said chamber for developing the balance of the required pressure in said fuel delivered to the injector, said nozzle constriction being located in the coolant-fuel line between said pressure developing means.

2,625,008

VARIABLE FLOW NOZZLE

Wilton Crook, Bloomfield, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application February 28, 1951, Serial No. 213,102
7 Claims. (Cl. 60—35.6)



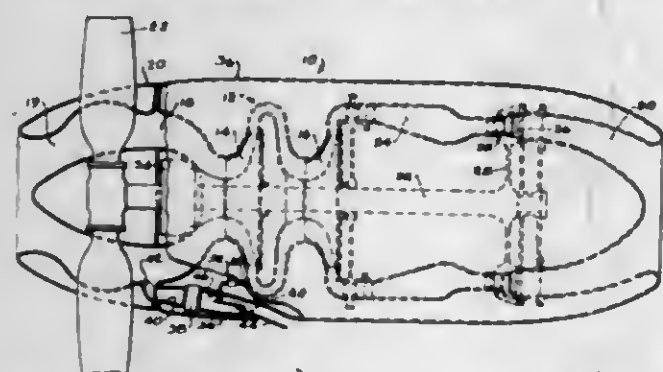
2. A variable discharge nozzle for an engine having an exhaust duct through which gases discharge for providing said engine with forward propulsive thrust, said nozzle having a rectangular cross-section and comprising a pair of

substantially-parallel opposed fixed sides and a pair of opposed movable sides, each of said movable sides being arched toward the other of said movable sides so as to provide the nozzle with a minimum area intermediate its ends, each of said movable sides comprising an upstream nozzle segment and a downstream nozzle segment; means pivotally connecting the upstream end of each said upstream nozzle segment to said duct; means pivotally connecting the downstream end of each said downstream nozzle segment to said duct, the axis of each said pivotal connection disposed transverse to the axis of said duct; and means for moving said nozzle segments about their respective pivot axes to vary the minimum area of said nozzle, the adjacent ends of the two segments of each movable nozzle side overlapping each other to provide said nozzle side with a substantially continuous surface in all positions of adjustment of said nozzle segments.

2,625,009

VEHICLE ENGINE COOLING SYSTEM UTILIZING AIR EJECTOR PUMP TO INDUCE FLOW OF ADDITIONAL COOLING AIR

Joseph H. Leggett, Montclair, and Francis C. Morris, Fairlawn, N. J., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application July 15, 1948, Serial No. 38,924
10 Claims. (Cl. 60-39.07)



1. A fluid cooling system for a vehicle; said system comprising a heat exchange structure through which said fluid is arranged to flow; a duct for said structure through which cooling air is arranged to flow over said structure at least in part as a result of forward motion of said vehicle; a partition longitudinally dividing said duct into a pair of parallel passages downstream of said structure, the upstream end of each of said passages being arranged to receive air flowing through said duct from said structure; an ejector pump for one of said passages; and a valve for controlling the other of said passages.

2,625,010

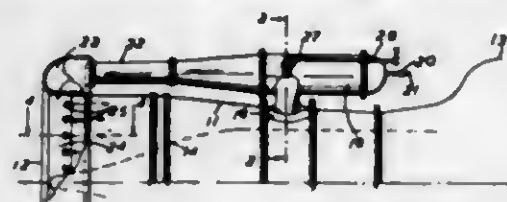
MEANS FOR PREVENTING INTERNAL-COMBUSTION TURBINE UNITS FROM ICING

Thomas Clark, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England

Application December 17, 1947, Serial No. 792,317
In Great Britain, April 2, 1947
4 Claims. (Cl. 60-39.09)

1. In combination with an internal-combustion turbine unit including a compressor and a main combustion chamber in which air from said compressor is heated for driving the unit, ice preventing equipment for the unit comprising an auxiliary combustion chamber which is independent of said main combustion chamber and positioned alongside the compressor so as not to increase the area of the unit in end elevation, controllable

means for supplying air from said compressor to said auxiliary combustion chamber, controllable means for supplying fuel to said auxiliary com-



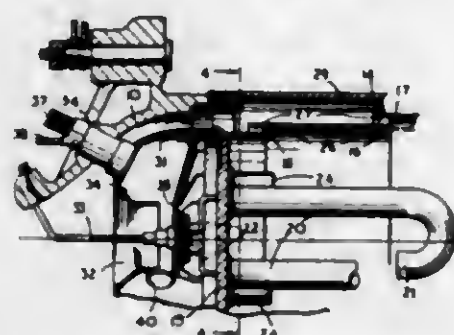
bustion chamber to be burnt therein, and means for delivering the products of combustion in said auxiliary combustion chamber throughout the intake end of said compressor.

2,625,011

IGNITER FOR LIQUID FUEL COMBUSTION CHAMBERS

Sidney Allen and Morris Amos Stokes, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England

Application May 18, 1949, Serial No. 93,954
In Great Britain July 31, 1948
5 Claims. (Cl. 60-39.14)



1. For a gas turbine engine including a compressor and a turbine, a combustion chamber unit through which air from the compressor passes to the turbine, said unit including a flame chamber, a main spray device for supplying fuel to the flame chamber, the latter being arranged so that the combustion of air passing through the flame chamber and the fuel from said main spray device is substantially completed, means outside and upstream of said flame chamber providing a shielded region in which the air is comparatively stagnant, and, for starting purposes, an auxiliary fuel spray device communicating with said shielded region, means connecting the shielded region with the flame chamber, said means being disposed in the path of entry into the flame chamber of secondary air so that most of the burning mixture from the auxiliary spray device passes into the flame chamber admixed with secondary air.

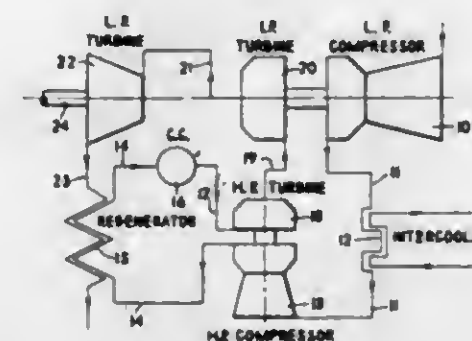
2,625,012

GAS TURBINE POWER PLANT, INCLUDING MULTIPLE FLUID OPERATED TURBINES

Anthony James Larrecq, Yardley, Pa., assignor to General Engineering and Research Corporation, Trenton, N. J., a corporation of California
Application April 18, 1950, Serial No. 156,525
5 Claims. (Cl. 60-39.16)

1. In a gas turbine power plant having low pressure and high pressure rotary compressors and high, intermediate and low pressure turbines with an intercooler interposed between the compressors, an exhaust gas heated regenerator between said high pressure compressor and said high pressure turbine and a combustion chamber between said regenerator and said high pressure

turbine, the combination comprising axially aligned casing sections removably connected together respectively for the rotor of said low pressure turbine, and for the rotors of said intermediate pressure turbine and said low pressure compressor, the rotors of said intermediate pressure turbine and said low pressure compressor being



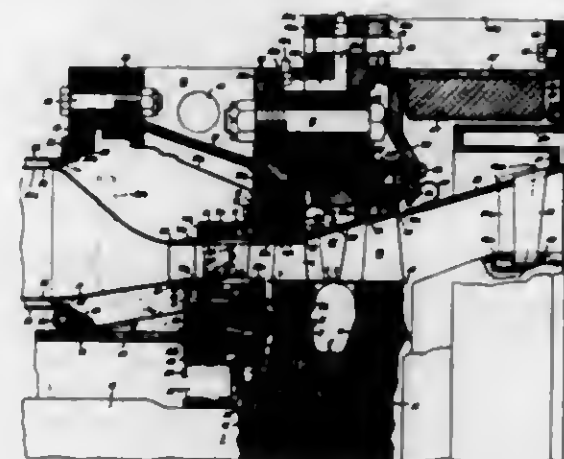
connected together in driving relation, and additional casing sections for the rotors of said high pressure turbine and said high pressure compressor extending radially from and removably connected to one of said first mentioned casing sections, the rotors of said high pressure turbine and said high pressure compressor being connected together in driving relation.

2,625,013

GAS TURBINE NOZZLE STRUCTURE

Alan Howard and Chapman J. Walker, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application November 27, 1948, Serial No. 62,372
7 Claims. (Cl. 60-39.32)



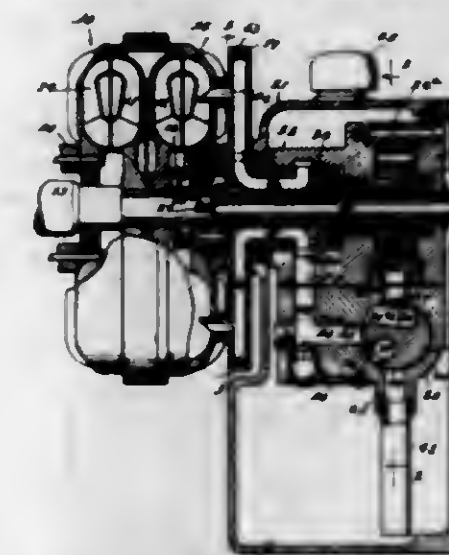
1. In a nozzle ring assembly for a high-temperature turbo-machine, the combination of concentric radially spaced blade support rings having circumferentially spaced openings, a plurality of circumferentially spaced nozzle blades each having root and tip portions at least one of which is loosely disposed in one of said openings, the openings being substantially the shape of the respective root and tip portions of the blades but slightly larger so as to define a small clearance space therewith, a narrow bead member extending from a support ring or from a blade and being arranged circumferentially around a blade and substantially closing said clearance space to prevent leakage of fluid therethrough, the size of the bead member being sufficiently small that thermal expansion can result in some crushing of the bead without imposing excessive stresses on the blades or rings.

2,625,014

ROTARY HYDRAULIC COUPLING

Lloyd J. Wolf, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

Application April 12, 1950, Serial No. 155,381
11 Claims. (Cl. 60-54)



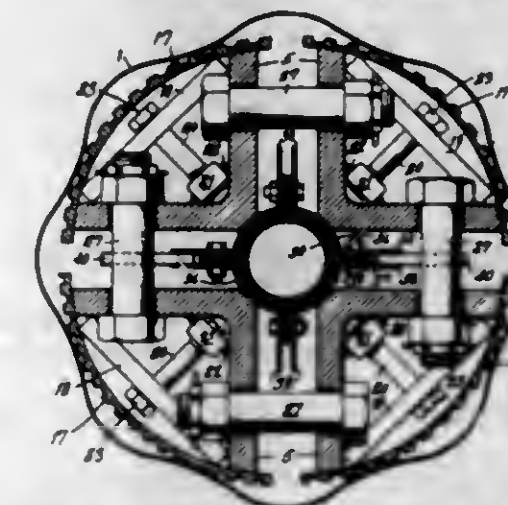
1. The combination of a hydraulic coupling having an impeller and a runner, a liquid source, a pump casing having an inlet and an outlet, a shaft journaled in the casing in coaxial relation with and connected to the impeller and including an axial passage communicating at its ends, respectively, with the interior of the coupling and the source, a manifold secured to the runner concentric with the shaft and having a hub journaled in the casing, the manifold and hub including a plurality of passages, hollow scoops bridged between those parts of the passages which lie in the outer part of the manifold and the adjacent working passages of the runner, a pump rotor secured to the shaft and positioned within the casing, and means of communication between the source and coupling including the pump, manifold passages and valve means shiftable between positions connecting the pump inlet to the source and the pump outlet to the manifold passages to supply liquid to the coupling and the pump inlet to the manifold passages and the pump outlet to the source to dump the coupling, respectively, the axial passage venting air from the coupling during filling and providing constant relief during maximum fill.

2,625,015

EXPANDIBLE CORE FOR DRIVING MOLDS FOR CONCRETE PILES

Walter H. Cobl, New York, N. Y.

Application September 29, 1949, Serial No. 118,520
11 Claims. (Cl. 61-79)



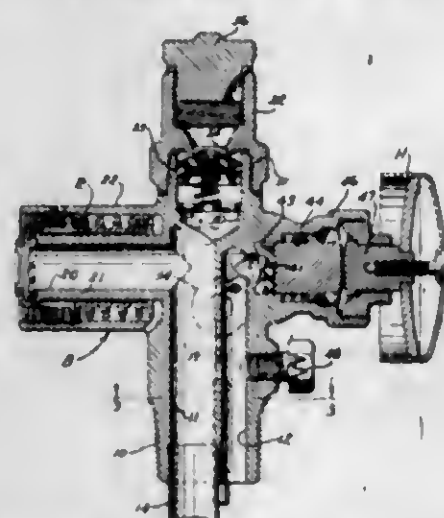
1. A driving core for a metallic shell comprising a number of spaced thrust bars, outwardly

extending contact plates carried by said bars, an elastic expandible container extending longitudinally between said thrust bars, tie bolts connecting adjacent thrust bars at intervals, and means for transmitting thrust from said bars to said container, said means consisting of plates extending outwardly from said container and engaging said tie bolts.

2,625,016

MULTIPLE VALVE ASSEMBLY

Theodore A. St. Clair, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application December 15, 1949, Serial No. 133,126
2 Claims. (Cl. 62—1)



1. A fitting for dispensing liquefied gas under pressure comprising a unitary body having a midsection, an elongated first nipple extending axially from said midsection, means on said first nipple for mounting the fitting on a tank, a first bore in said first nipple and body midsection on the axis of said bore being substantially parallel with and eccentric to the axis of said first nipple, a tube extending from the outer end of said first eccentric bore, a sleeve extending generally radially from said body midsection, a first passageway in said sleeve intersecting said first eccentric bore, a valve in said sleeve, a second eccentric bore in said first nipple and body midsection and having an end wall, a second nipple extending generally radially from said body midsection, a second passageway in said second nipple intersecting said second eccentric bore, a valve in said second nipple, a third eccentric bore in said first nipple, a fill gauge tube extending from said third eccentric bore, a third passageway in said body intersecting said third eccentric bore, a valve for said third passageway, a third nipple extending from said body midsection in axial alignment with said first nipple, a fourth bore centered in said third nipple and intersecting said first eccentric bore, a valve in said fourth bore, a portion of the end wall of said second eccentric bore also forming a partial end wall of said fourth bore.

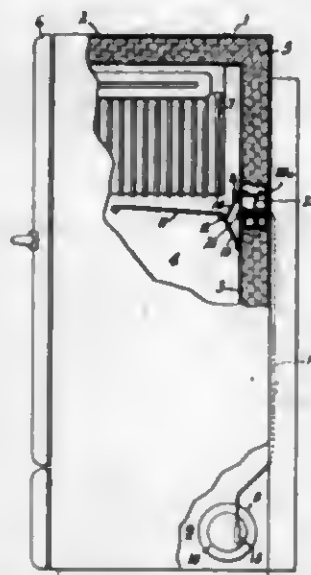
2,625,017

REFRIGERATOR AIR CIRCULATION CONTROL

John B. Tucker, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application December 12, 1950, Serial No. 200,383
6 Claims. (Cl. 62—3)

1. A refrigerator including a refrigerating unit, a food storage compartment and a cooling unit for said compartment, means within said compartment defining a passage for air circulating

over said cooling unit and through said compartment, means for controlling flow of air through

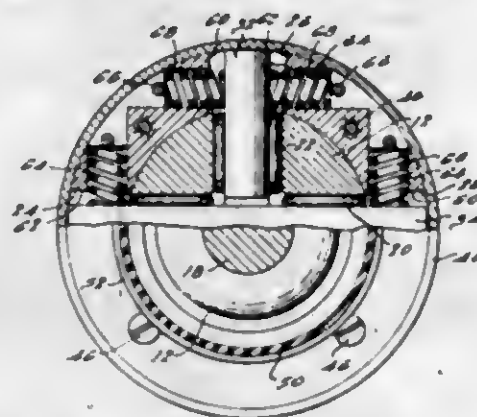


said passage, and means responsive to the temperature of said refrigerating unit for controlling the position of said air controlling means.

2,625,018

UNIVERSAL JOINT

George E. Dunn, Dearborn, Mich., assignor to Universal Products Company, Inc., Dearborn, Mich., a corporation of Delaware
Application August 7, 1951, Serial No. 240,617
14 Claims. (Cl. 64—7)



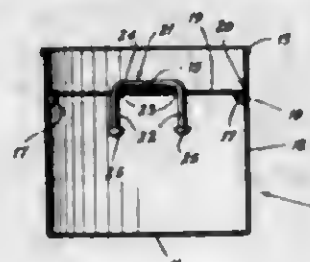
1. Universal joint construction comprising driving and driven members of which one comprises a socket member and the other a ball head swiveled in said socket member, said ball head having a pair of intersecting, axially extending, diametral cross slots therein, said socket member having a series of slots therein, a pin extending through one of said slots in said ball head and having its ends projecting into certain of said slots in said socket member, a second pin extending through the other of said slots in said ball head and having its ends projecting into other slots in said socket member, said pins being arranged crosswise of each other and in a common plane, the width of said slots in said socket member, transversely of the axis of rotation of said socket member, being greater than the size of the projecting ends of said pins so as to permit limited angular movement of the ends of said pins relative to said socket member thereby to permit scissoring action of said pins during rotation of the joint when the driving and driven members are disposed for rotation on different axes, the axial length of said slots in said ball head being greater than the size of said pins so as to permit rocking movement of each pin in its respective slot in said ball head about the center line of the other pin, springs arranged

in torque transmitting relation between said pins and said socket member, said socket member and pins being constructed and arranged relative to each other so that said pins rotate with said socket member in a plane normal to the axis of rotation thereof, the center lines of said pins intersecting at the intersection of the axes of rotation of said driving and driven members.

2,625,019

DRINKING CUP

Abner E. Brown, Richmond Heights, Mo.
Application September 20, 1947, Serial No. 775,207
5 Claims. (Cl. 65—13)

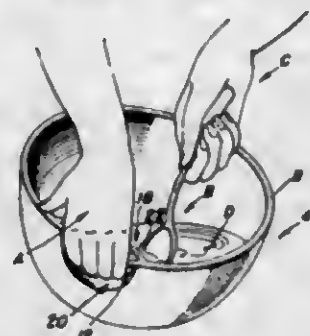


3. In combination, a cup having a bottom wall and a cylindrical vertical wall terminating in an upper rim portion, a thin flexible member having a smooth outer periphery devoid of notches disposed within said cup, spaced stop means rigid with the vertical wall of the cup to removably maintain said member in a predetermined plane, certain of said stop means being engageable above said member, and others being engageable below said member, the outside diameter of said member being greater than the shortest diametrical distance between opposed stop means whereby said member must be flexed in order to engage or remove it from engagement with said stop means.

2,625,020

MIXING BOWL

Virginia M. Oliver, Tempe, Ariz., assignor of fifty per cent to John R. Oliver, Tempe, Ariz.
Application July 12, 1950, Serial No. 173,258
2 Claims. (Cl. 65—15)



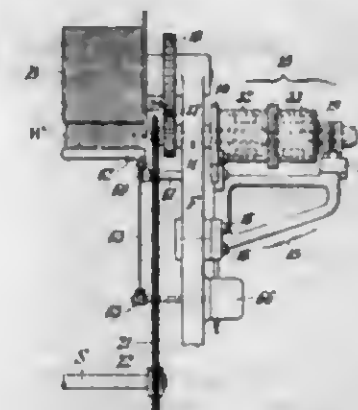
1. A mixing bowl for household and similar use comprising a one-piece bowl having a substantially flat horizontal bottom wall and an integral endless vertical side wall attached to and rising from said bottom wall and providing a receptacle, said side wall being concavo-convex and a restricted portion of the upper edge portion of said side wall having a relatively small and shallow concavo-convex re-entrant wall portion, the convex side of said re-entrant wall portion facing and projecting into said receptacle and providing a finger-receiving recess as well as a finger-protecting shield, and a horizontal strip member integrated at its opposite ends with cooperating portions of the side wall and spanning said recess and spaced from said shield, said strip member having an upper edge coplanar with the upper

edge of said side wall and having a lower edge spaced vertically above the lower portion of said re-entrant wall portion and cooperating with the latter in providing a passageway, said strip member providing a hand-grip.

2,625,021

AUTOMATIC YARN TENSION CONTROL

Peter J. Schoenster, Teaneck, and Max E. Ebert, West New York, N. J., assignors to Alfred Hofmann & Co., West New York, N. J., a corporation of New Jersey
Application February 1, 1949, Serial No. 74,002
13 Claims. (Cl. 66—86)



1. Automatic yarn tension control mechanism for textile machines in which the yarns are drawn from a rotary supply beam, comprising a tubular shaft gear connected to the yarn beam; a fixed bearing for said shaft; a constantly driven shaft normally free within the tubular shaft; energized brake and clutch electro-magnets respectively mounted on the bearing for the tubular shaft and on a protruding end of the axial shaft, and normally energized so as to be balanced against each other; housings secured to a flange on the tubular shaft and surrounding the brake and clutch magnet, with interposition of circumferential clearances, and containing fluent magnetic media; a detector adapted to be influenced by the yarns as they leave the beam; and means actuated by the detector to decrease the supply electric current to the clutch magnet upon slacking of the yarns, and to increase the current supply to the clutch magnet upon tightening of the yarns.

2,625,022

BEAM SUPPORT FOR KNITTING MACHINES

Joseph Brooke Adam, Jackson, Ala., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application July 27, 1951, Serial No. 238,937
7 Claims. (Cl. 66—86)



1. In a warp knitting machine or the like, beam sections, fixedly supported bearing means, a connecting shaft rotatively supported intermediate its ends in said bearing means with a

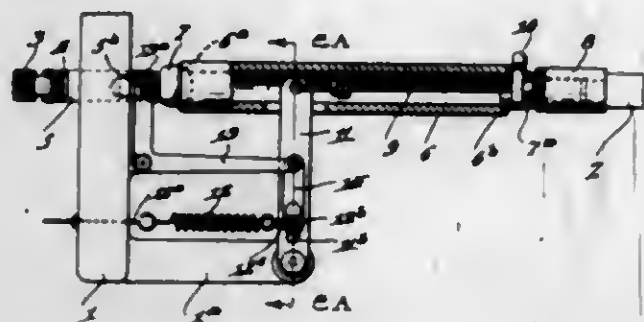
positive driving connection with one of said beam sections and a supporting connection for the other of said beam sections, and gear means operatively connecting said beam sections for joint rotative movement with each other and said connecting shaft.

2,625,023

WARP GUIDE BAR OPERATING MECHANISM

Eugene Bellini, Jackson, Ala.

Application September 22, 1951, Serial No. 247,855
10 Claims. (Cl. 66—86)

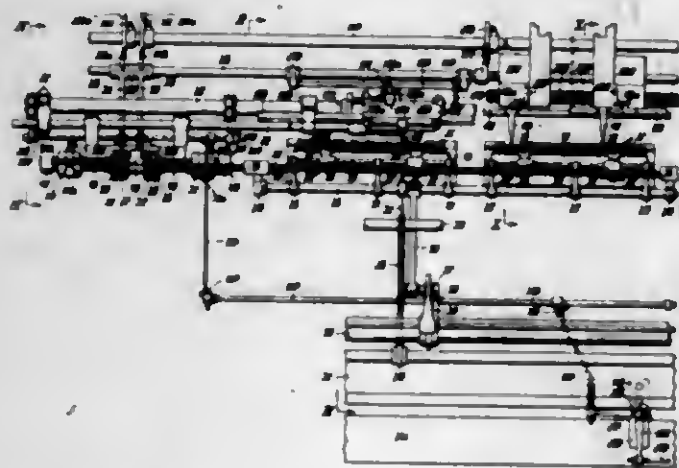


5. In a warp knitting machine the combination of a warp guide bar mounted for longitudinal movement to and fro, a hollow push rod for operation of said guide bar, a pattern wheel adapted to move said push rod in one direction, and spring operated means connected to said guide bar and extending axially through said push rod for movement of said guide bar in the opposite direction.

2,625,024

KNITTING MACHINE

Eugene M. Zesch, Shillington, Pa., assignor to Rosedale Knitting Company, Laureldale, Pa., and Karl Lieberknecht, Inc., Reading, Pa., both corporations of Pennsylvania
Application November 6, 1948, Serial No. 58,674
14 Claims. (Cl. 66—89)



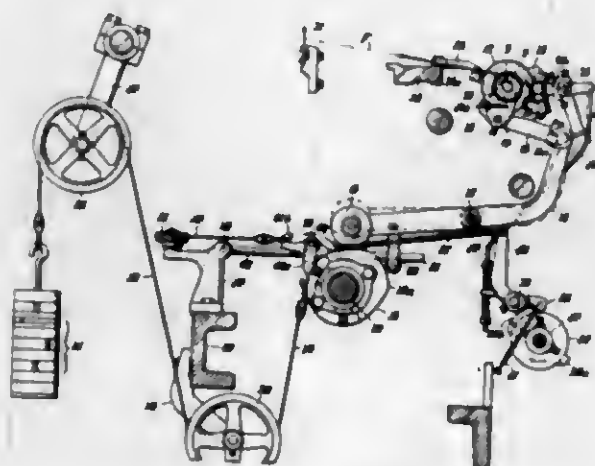
1. In a straight knitting machine, a series of spring beard needles, a friction box with a friction box mounted thereon; blade-like selectors for flexing selected needles of two groups respectively at opposite ends of the series to bring their beards into contact with a presser edge in stitch formation; means for oppositely shifting the needle selectors along the needles including right and left hand threaded screw spindles, follower nuts on the spindles respectively connected to the selectors, pairs of oppositely-pitched ratchet wheels on the respective spindles, two sets of pawls for picking the respective ratchets on

the corresponding spindles, a pair of transversely arranged slides carrying the respective sets of pawls, a rod supported for longitudinal reciprocation adjacent the friction bar, a cam on the rod operative as the latter moves in opposite directions to alternately actuate the slides, and coupling means for releasably connecting the rod to the friction box; and control mechanism for actuating the coupling means to operate the selector shifting means, and for selecting corresponding pawls of the two sets for activity during one knitting phase and the other pawls for activity during the other knitting phase.

2,625,025

FABRIC TAKE-UP MECHANISM

Eugene M. Zesch, Shillington, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application April 23, 1950, Serial No. 157,885
5 Claims. (Cl. 66—149)



4. In fabric take-up mechanism for straight knitting machines having an intermittently-rotated spindle with a stop nut thereon for varyingly limiting the traverse of a reciprocating selvage yarn carrier, a draw-off reel; racking means for turning the reel; means to prevent reverse rotation of the reel; a horizontally-arranged floatingly-supported lever connected to the reel racking means; a second floatingly-supported horizontally-arranged lever with its distal end coupled with the first lever; weight means connected to the second lever to influence the first lever for maintenance, through the racking means, of yielding torsion on the reel to hold the fabric under tension; means for periodically actuating the first lever for communication, through the racking means, of incremental rotary shifts to the reel to take up the fabric; and means actuated from the yarn carrier stop nut aforesaid and operative to shift the weight connection along the second lever for the purpose of varying the tension on the fabric during its formation.

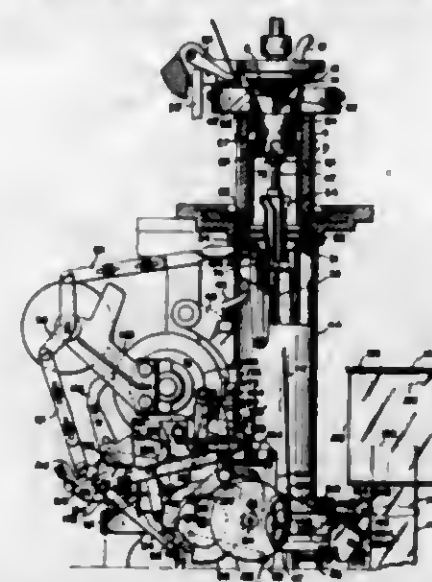
2,625,026

STOP-MOTION FOR KNITTING MACHINES

Robert H. Lawson, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application January 22, 1952, Serial No. 267,624
15 Claims. (Cl. 66—157)

1. A circular knitting machine comprising means adapted to knit separate articles each of which is pressed off when completed, means for seizing the free end portion of each article and for imparting tension thereto during knitting subsequent to said seizure, means for automatically

releasing the completed article from said seizing means, and a stop motion device for stopping

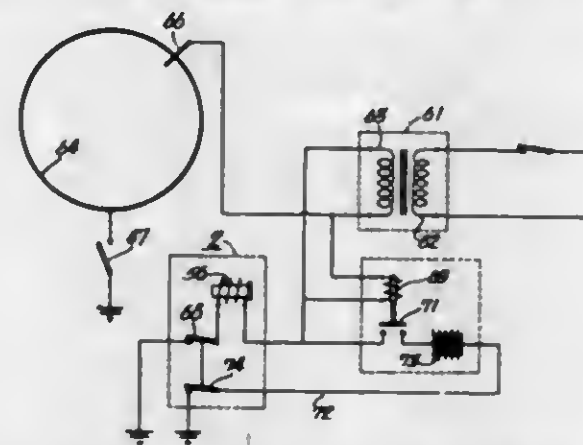


the machine in the event that a completed article is not released from said seizing means.

2,625,027

AUTOMATIC SUPPLEMENTARY SOURCE FOR ELECTRIC STOP-MOTIONS

Alfred Crawford, New Brunswick, N. J., assignor to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J., a corporation of New Jersey
Application February 28, 1949, Serial No. 78,825
9 Claims. (Cl. 66—163)



1. An electric stop motion comprising in combination a knockoff device, an electric actuator for said device, a primary source of electrical energy for connection with said actuator, a normally open detector switch for controlling the connection of said actuator with said source, a secondary source of electrical energy normally disconnected from the actuator, and means for automatically connecting the secondary source with the actuator independently of the said detector switch upon failure of the primary source.

2,625,028

HOSIERY

Grady W. Wilson, Thomasville, N. C., assignor to Harris & Covington Hosiery Mills, High Point, N. C., a corporation of North Carolina
Application December 2, 1950, Serial No. 198,830
4 Claims. (Cl. 66—180)

1. A seamless sock or stocking having a leg portion knitted continuously from a main or body yarn, and having zones in which ornamentally-configured areas are disposed side by side and formed from loops of different contrastingly-colored second and third yarns knitted in plat-

ing relation over the loops of the body yarn at the outer face of the fabric, the ornamental areas in one zone being vertically aligned with the areas in the next adjacent zone, the ornamental area of a subjacent zone corresponding to the

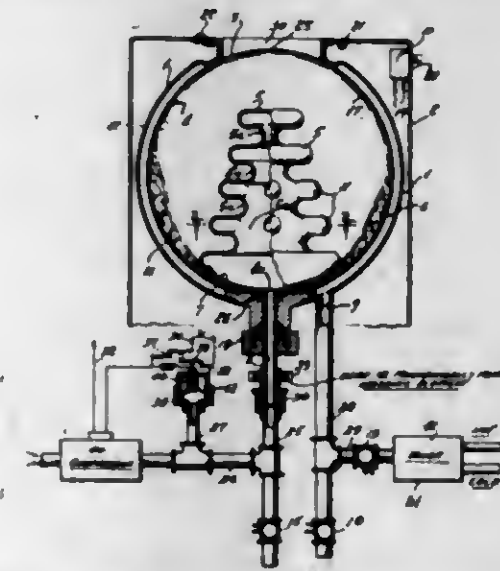


ornamental area of the first zone knitted with the second yarn, being plated with the third yarn, and the ornamental area of the subjacent zone corresponding to the ornamental area of the first zone plated with the third yarn, being plated with the second yarn.

2,625,029

PNEUMATIC AGITATOR WASHER

Nathaniel B. Wales, New York, N. Y., assignor to Industrial Patent Corporation, New York, N. Y.
Application June 15, 1950, Serial No. 168,326
4 Claims. (Cl. 68—21)

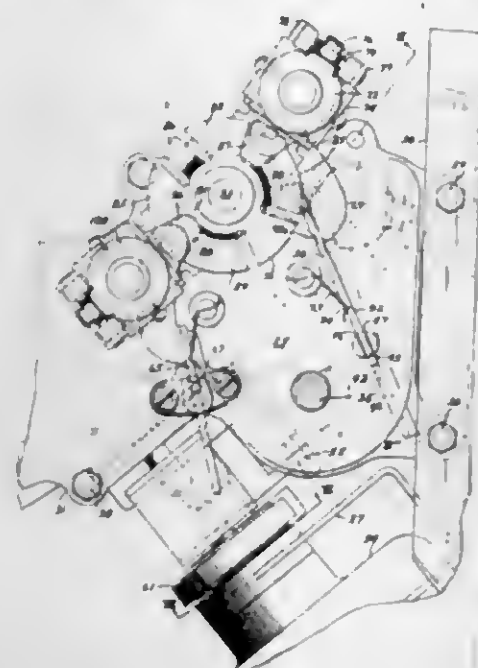


1. A laundry washing machine comprising a substantially double-walled tub, a laundry-access opening in the top thereof, a closure therefor, a perforate laundry-squeezing surface formed by perforations in the innermost wall of said tub, said perforations extending about its vertical axis, means to fill said tub with washing fluid, means to drain said double-walled portion of said tub, a hollow washing element in the vertical axis of said tub, means to mechanically motivate said washing element, said washing element formed of a fluid-tight flexible material and incorporating therein normally compacted convoluted surfaces whereby to increase the rigidity of said flexible material in order to agitate said washing fluid by the mechanical agitation of said element, and means to inflate said washing ele-

ment with fluid under pressure to squeeze-dry laundry in said tub against said perforate surface by the unfolding of said compacted convolutions.

2,625,030 WASHING MACHINE AND CONTROL THEREFOR

Vernon J. Wooster, St. Joseph, Mich., assignor to Whirlpool Corporation, a corporation of New York
Application August 1, 1946, Serial No. 687,624
20 Claims. (Cl. 68-133)



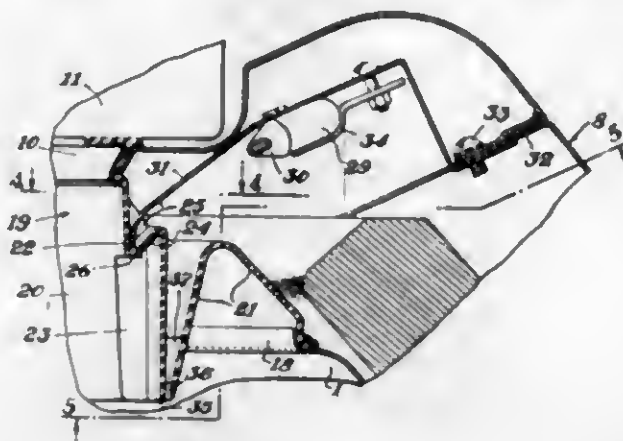
15. In a washing machine having a driving motor, an agitator and a drain pump, a control mechanism for selectively coupling said agitator or said drain pump to said driving motor for actuation thereby, said mechanism comprising an agitator control bar, means movable in response to movement of the agitator control bar to couple the agitator to the driving motor, a pump control bar, means movable in response to movement of said pump control bar to couple said pump to the driving motor, an oscillating shaft, means to oscillate said shaft, and two swingable arms, one having operative connection with said agitator control bar and the other having operative connection with said pump control bar, and opposed interengaging connections between said shaft and arms to oppositely move said arms to move said agitator control bar or said pump control bar oppositely of each other as required in response to movement of said oscillatable shaft to couple either the agitator or the drain pump to the driving motor and to disconnect the other therefrom.

2,625,031 WASHING MACHINE PROVIDED WITH RESILIENT COLLAPSIBLE INLET

Morton A. Kreitchman, Irvington, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1948, Serial No. 36,573
9 Claims. (Cl. 68-139)

1. In a washing machine having a casing with a door opening, a tub in said casing having an opening therein and a flexible member connecting the openings of said casing and tub the flexible member having a fold in a wall thereof; said member having a fluid inlet opening including an

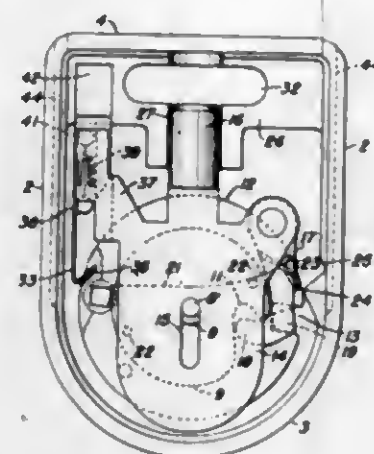
orifice in the form of a slot in part of said fold which is adapted to close in response to exertion of pressure from within said tub and means



spaced from said member for directing a stream of fluid into said inlet opening from a point outside said tub.

2,625,032 COMBINATION LOCK WITH TUMBLER UPSETTING MECHANISM

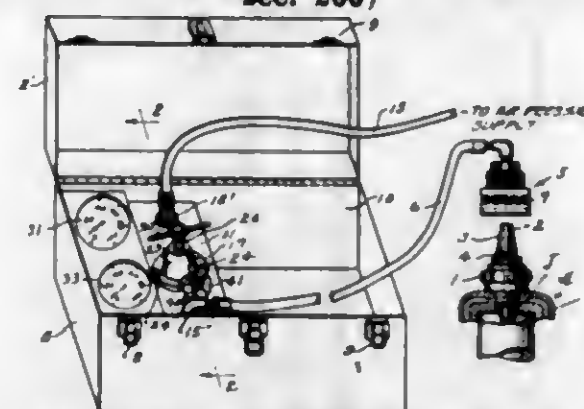
Otto H. Effert and Howard S. Thomas, Jr., Rochester, N. Y., assignors to Sargent & Greenleaf, Inc., Rochester, N. Y., a corporation of New York
Application October 3, 1950, Serial No. 188,193
13 Claims. (Cl. 70-23)



1. A combination lock comprising a housing having front and rear walls, a dial rotatable on said front wall, an arbor journaled in said front wall and having said dial fixedly mounted thereon, a drive wheel fixed on the inner end of said arbor, a multiplicity of tumblers loosely mounted on the arbor between said drive wheel and said front wall of the housing, said tumblers being operatively associated with said drive wheel and arbor, a bolt plate underlying said tumblers and drive wheel, a fence lever pivoted on said bolt plate having a fence cooperating with said tumblers and a dog cooperating with said drive wheel, tumbler upsetting mechanism comprising a tumbler engaging catch and a block carrying said catch, a supporting portion on the bolt plate on which said block is slidable, guiding means engaging the block and controlling its movement in a direction parallel to the movement of the bolt plate, and a spring connecting said block with said bolt plate and permitting movement of the block on said supporting portion, at least one of the tumblers having a notch in its edge that is engaged by said catch when the bolt plate is in unlocked position.

2,625,033 INTERNAL-COMBUSTION ENGINE COMPRESSION TESTER

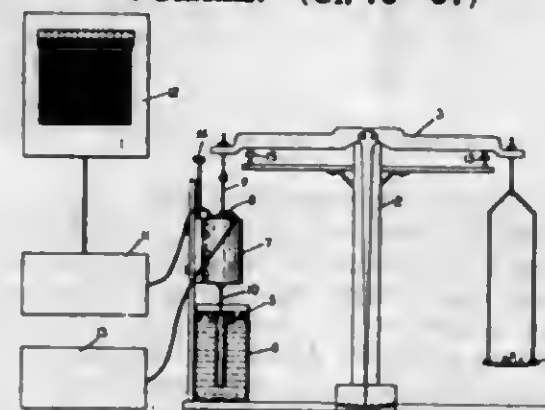
Paul F. Adair, Dayton, Ohio
Application October 5, 1948, Serial No. 52,967
4 Claims. (Cl. 73-47)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. An internal combustion engine compression testing apparatus comprising a fluid pressure supply chamber, a fluid pressure delivery chamber, a fluid pressure delivery conduit connected between the supply and delivery chambers, fluid pressure regulator means in said conduit for delivering a pressure fluid at a predetermined pressure through said conduit from said supply chamber to said delivery chamber, a flow restriction between the fluid pressure regulator and the delivery chamber for restricting the rate of flow of the pressure fluid to the delivery chamber, a testing pressure fluid conduit connected to the delivery chamber at one end and adapted to be connected at its other end to an internal combustion engine cylinder for supplying a pressure fluid thereto at a pressure determined by the pressure regulator and at a rate of flow determined by the flow restriction, pressure indicating means connected to the delivery chamber for indicating the pressure in the delivery chamber, pressure venting means in communication with the delivery chamber for venting the delivery chamber including a venting passage having a relief valve therein and flow restriction means therein, resilient means for seating the relief valve to yieldably close the venting passage when the pressure in the delivery chamber falls below the predetermined minimum pressure, and cut-off valve means in the venting passage for closing the venting passage to prevent the escape of the pressure fluid therethrough from the delivery chamber.

2,625,034 RHEOMETER

William Patterson, Jr., Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application December 29, 1950, Serial No. 203,285
4 Claims. (Cl. 73-57)

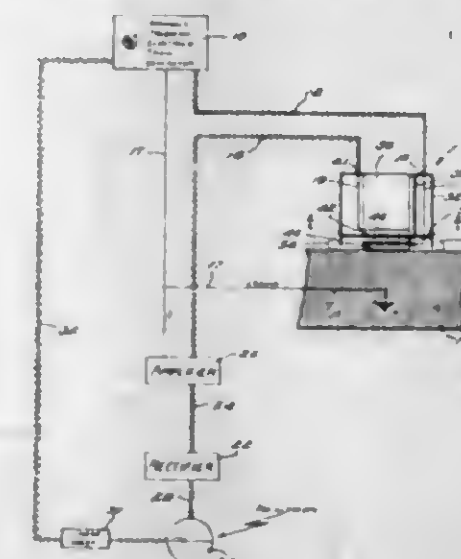


1. An instrument for determining the rheological properties of liquids comprising a receptacle

for holding the liquid to be tested, a bob adapted to be suspended freely in said liquid from one end of a balance arm, a linear differential transformer having its freely suspended armature adapted to move with said bob, means for applying a known force to the bob to cause displacement thereof in a vertical direction, said linear differential transformer being adapted to produce an electrical signal proportional to the amount of displacement of the bob, and means for measuring the velocity and magnitude of the displacement of the bob as a function of time at the desired sensitivity.

2,625,035 SUPERSONIC INSPECTION DEVICE

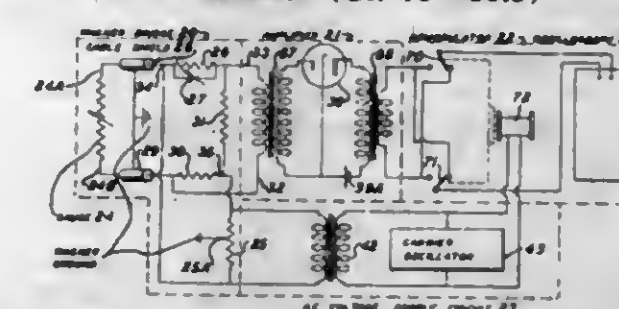
Floyd A. Firestone, Washington, D. C., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 22, 1945, Serial No. 637,067
18 Claims. (Cl. 73-67)



15. In a material medium inspection device, a first crystal transducer means for transmitting a highly directional beam of supersonic vibration waves into said medium, and a second crystal transducer means which makes effective mechanical contact with said medium through the structure of said first transducer means for receiving reflections of said vibration waves.

2,625,036 STRAIN MEASUREMENT

Laurence G. Cowles, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 13, 1946, Serial No. 690,311
3 Claims. (Cl. 73-88.5)



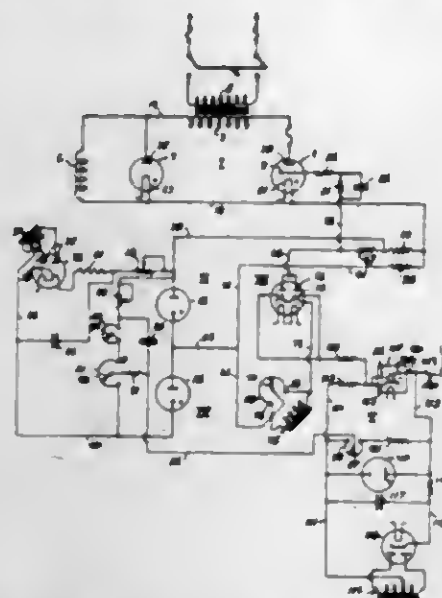
1. In apparatus for measuring strain in a moving member, the combination which comprises a resistance type strain sensitive gauge adapted to be mounted on the member, a Wagner bridge provided with a centrally disposed potentiometer, flexible leads connecting the respective ends of the gauge to one leg of the bridge, capacitances formed respectively by the flexible leads and shields disposed around them, with the shields

connected to the slider of the potentiometer, and means for determining bridge unbalance due to resistance changes in the gauge.

2,625,037

ELECTRONIC TORQUE CONTROL

Jerrold B. Winther, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee
Application May 31, 1949, Serial No. 96,290
9 Claims. (Cl. 73-134)

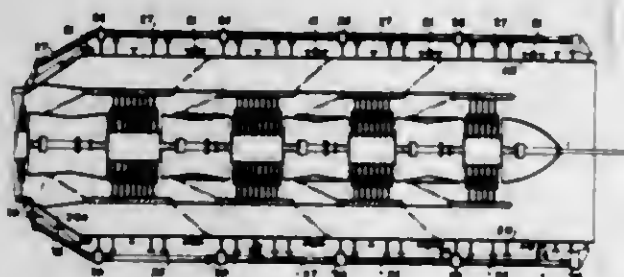


1. A torque regulating control for a dynamometer having a coil controlling braking action thereof, comprising an electronic circuit controlling braking action of the dynamometer braking coil, said electronic circuit including a grid-controlled main power tube feeding direct current to said coil and having a control grid, an adjustable reference voltage source for impressing a voltage upon the control grid of said main power tube, and a torque-responsive voltage source including a mechano-electronic triode for impressing a voltage upon the control grid of said main power tube.

2,625,035

WIND TUNNEL AND STRAIGHT DUCT SECTION FOR SUCH TUNNEL

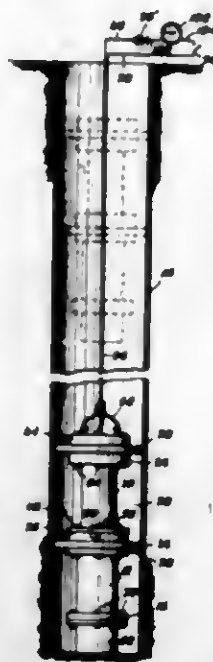
James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1950, Serial No. 202,253
13 Claims. (Cl. 73-147)



1. A horizontal straight duct section to be operated either above or below ambient temperature, comprising a metal shell made up of tubular sections connected together by circumferentially extending expansion joints, support members extending outwardly from such tubular sections, multiple pressure struts paralleling the longitudinal axis of such metal shell, means connecting said pressure struts to such support members, and an envelope of heat insulating material surrounding but spaced from such shell and secured to such pressure struts.

**2,625,039
APPARATUS FOR DETECTING SEEPAGE OF WATER INTO WELLS**

Hiram J. Wagner, Charleston, W. Va.
Application September 30, 1948, Serial No. 52,063
9 Claims. (Cl. 73-155)

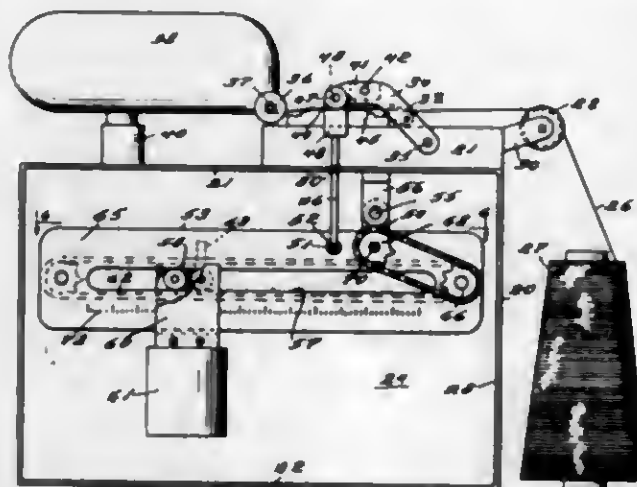


1. Apparatus for detecting seepage of water into a well, said apparatus comprising means for isolating any area of the well from the balance thereof, a receptacle communicating with the isolated portion of the well for receiving water seeping into said isolated portion of the well, a vertically disposed electrical resistance unit in but electrically isolated from the receptacle, an electrical circuit including the receptacle and the resistance unit and means in said circuit for registering the decrease of resistance in said circuit as water rises in the receptacle.

2,625,040

THREAD DRAG TESTER

William P. Ireland, Jr., Haddon Heights, N. J.
Application July 27, 1950, Serial No. 176,226
6 Claims. (Cl. 73-160)

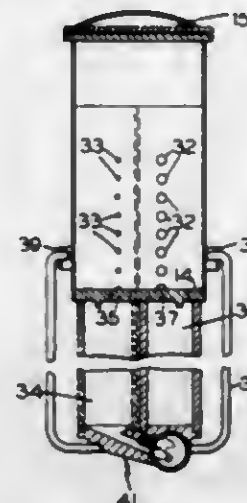


3. In a thread drag tester, means for forwardly progressing thread under test, a friction anvil extending longitudinally along one side of the thread, a pivoted arm having a portion extending in the direction of progression, a curved friction loading element mounted on the arm forward in the direction of progression of the pivot and movable toward and away from the thread and the anvil and means for applying a measured load to the arm.

2,625,041

FLOW MEASURING DEVICE FOR PIPE LINE SYSTEMS

Harold W. Hein, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 2, 1950, Serial No. 147,239
1 Claim. (Cl. 73-202)



A flow measuring device comprising a container structure including upper and lower container sections, upright partition walls extending transversely within the upper container section for separating the same into a receiving chamber and first and second chambers positioned in side-by-side relation, one of said partition walls having a plurality of first vertically spaced openings providing for communication between said receiving chamber and said first chamber, said partition wall further having a plurality of second vertically spaced openings of proportionately larger cross-sectional dimension than said first openings to provide for communication between said receiving chamber and said second chamber, the first openings being horizontally spaced relative to the second openings, each of the first openings being positioned at substantially the same vertical level as each of the second openings whereby liquid delivered to the receiving chamber is free to flow to the first chamber in a lesser proportionate volume than the volume flowing into the second chamber, a conduit communicating with said receiving chamber, a filtering element within the conduit, connecting means on said conduit adapted to connect the measuring device to a pipe line, said lower container section including a measuring chamber, there being an opening between said first chamber and said measuring chamber, said lower section further including an outlet chamber in communication with said second chamber, a pipe line connection communicating with said outlet chamber, valve means between said measuring chamber and said pipe line connection for controlling the flow of liquid from said measuring chamber to said pipe line connection, and means detachably connecting said upper and lower container sections in assembly.

2,625,042

LIQUID LEVEL RESPONSIVE MECHANISM

Benjamin L. Binford, Chicago, Ill., assignor to Magnetrol, Inc., Chicago, Ill., a corporation of Illinois

Application January 7, 1948, Serial No. 856
8 Claims. (Cl. 73-299)

1. Liquid level responsive mechanism for use with liquid containing tanks comprising an open bottomed tube to project down into a tank and into a body of liquid in the tank whose level is

to be measured, a chamber to contain liquid, means within the chamber dividing the chamber into two concentric columns communicating at the bottom, the upper end of the tube being connected in a closed system and solely to the upper part of one of the columns, a second tube project-

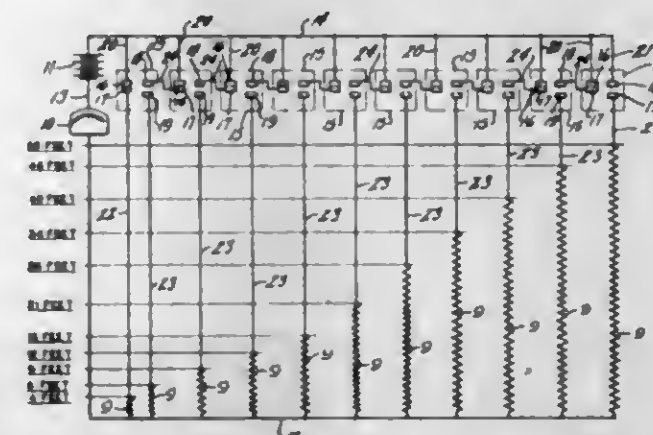


ing into the tank and opening above the bottom of the first named tube and having its upper end connected in a closed system and solely to the upper part of the other column, and means responsive to the difference in liquid level in the columns.

2,625,043

MEASURING THE AVERAGE TEMPERATURE OF LIQUID IN STORAGE TANKS

Harry F. Tapp, Longmeadow, and George D. Robinson, Agawam, Mass., assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application April 4, 1952, Serial No. 280,462
6 Claims. (Cl. 73-342)



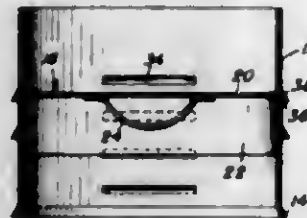
1. In apparatus for measuring the average temperature of liquid in a storage tank, of the type wherein a series of resistors having equal resistance extend upwardly from the bottom of the tank and terminate at different levels, the resistance of each resistor being uniformly distributed over its length, and wherein such resistors are adapted to be selectively connected one at a time in an electrical circuit, which includes a measuring instrument responsive to changes of resistance in the circuit and which is adapted for connection to a source of electricity; an element movable in response to and proportionately with changes in level of the liquid in said tank, and switching means actuated by movement of said element for connecting said resistors one at a time in said circuit and op-

erable when moved into each of a plurality of predetermined positions, to disconnect one resistor of the series from said circuit and connect into the latter a next succeeding resistor of the series.

2,625,044

ADJUSTABLE MEASURING CUP

Douglas P. Christie, Townsend, Mont.
Application July 18, 1949, Serial No. 105,294
2 Claims. (Cl. 73-429)

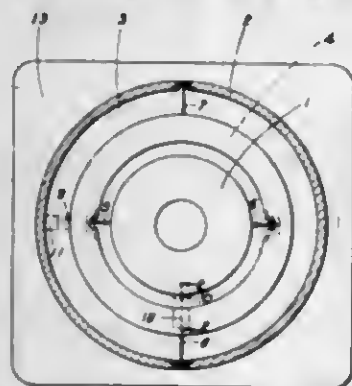


1. A measuring receptacle comprising a cup having open upper and lower ends, a piston slidable in said cup and forming a movable bottom to vary the contents of the receptacle and to empty the latter, said receptacle having a plurality of vertically spaced recesses in the interior wall thereof and a latch means carried by said piston and yieldingly engageable in said recesses, said piston having a top and a depending skirt, said skirt having notches therein and resilient fingers secured to the inner wall of said skirt and extending through said notches for engagement with said recesses, said fingers comprising said latch means.

2,625,045

GYRO BEARING

John W. Brubaker, Palos Verdes Estates, Manuel C. Sans, Los Angeles, and Charles N. Scully, Pasadena, Calif., assignors to North American Aviation, Inc.
Application May 23, 1949, Serial No. 94,782
6 Claims. (Cl. 74-5.1)



1. Means for supporting a gyroscope comprising a casing having the same general shape as said gyroscope and a floating medium of gallium between said gyroscope and said casing to thereby float said gyroscope in said casing.

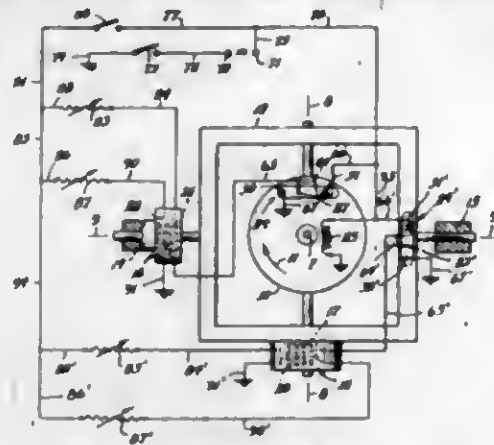
2,625,046

LOW DIFFERENTIAL SWITCHING APPARATUS

Ralph T. Squier, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 18, 1950, Serial No. 201,385
19 Claims. (Cl. 74-5.47)

1. Means for responding to tilting of a tiltable body comprising, in combination: a fluid switch tiltable through a selected differential angle between opposite circuit controlling conditions; means for tiltable supporting said switch upon such a body, so as to be subject to any tilting

movement thereof; electrically energized means for causing limited tilting movement of said switch with respect to said supporting means independent of tilting of said means, through an

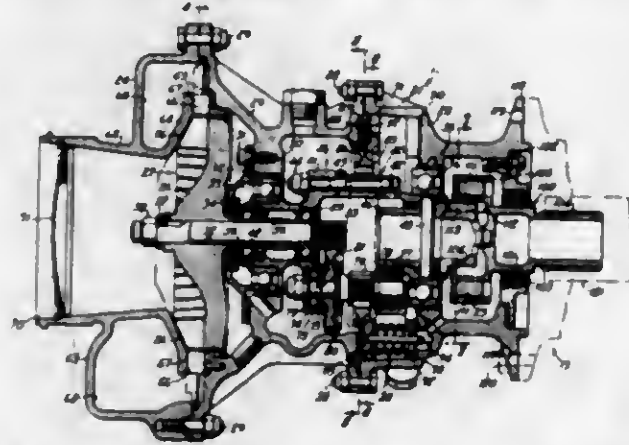


angle not greater than said selected differential angle; and means connecting said switch to said last named means so that the state of energization thereof is changed upon change in the circuit controlling condition of said switch.

2,625,047

PNEUMATIC ENGINE STARTER DEVICE

Homer J. Wood, Sherman Oaks, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application June 25, 1949, Serial No. 101,371
5 Claims. (Cl. 74-7)



1. In a prime mover actuated engine starting device: a housing; a hollow driving element within said housing; spaced main outer bearings respectively supporting said element at its ends for rotational movements; spaced inner bearings at one end of said element; a prime mover shaft extending into said element, and being supported for rotational movement in said spaced inner bearings; a rotatably supported drive shaft at the other end of said element adapted to be operatively connected to a shaft of said engine; transmission means interconnecting said prime mover shaft and said element; and coupling means for connecting and disconnecting said drive shaft and said element.

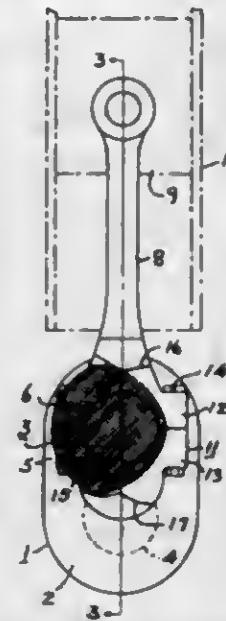
2,625,048

MECHANICAL MOVEMENT

Anthony L. Vissat, Pittsburgh, Pa.
Application September 9, 1950, Serial No. 183,991
1 Claim. (Cl. 74-44)

In driving means for an internal combustion engine, a cylinder, a piston mounted for reciprocal movement in said cylinder, a crankshaft including a crank pin, a pair of similar parallel disposed cam members formed integral with the crankshaft and being disposed at respective ends

of the crank pin, a connecting rod having the upper end thereof pivotally connected with said piston, an upper bearing section formed integral with the lower end of said rod, a lower bearing section, bolts for securing said lower bearing section to said upper bearing section, said bearing sections having a pivotal floating connection with said crank pin between said cam members, a pair of laterally disposed shoulders formed integral

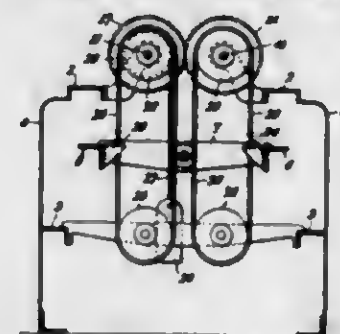


at respective sides of said upper bearing section, a pair of laterally disposed shoulders formed integral at respective sides of said lower bearing section, said shoulders having sliding contacting engagement on the peripheral surfaces of respective cam members and being operable for preventing the downward stroke movement of said piston in said cylinder until said crankshaft has shifted a predetermined degree passed dead center.

2,625,049

MOTION CONVERTING MEANS

James Jackson Haythornthwaite, Accrington, England, assignor of one-half to Howard and Bullough Limited, Accrington, England
Application December 2, 1949, Serial No. 130,684
In Great Britain December 13, 1948
1 Claim. (Cl. 74-95)

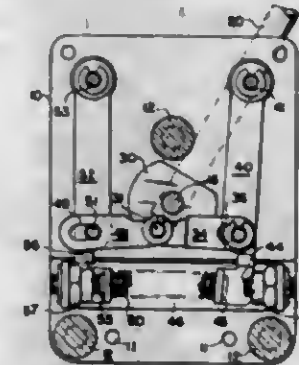


A ring spinning, doubling and twisting machine comprising the combination of stationary ring rails, spring pieces, and reciprocating spindle rails, horizontal cross members connecting said spindle rails constituting with said spindle rails a frame, guide members for said cross members for guiding them to follow a vertical path so that said frame is capable of vertical reciprocatory movement, a plurality of intergeared shafts supported vertically above and within the area formed by said frame, means for driving one of said shafts from said power input means, flexible members fixedly attached to said frame suspended and actuated from said shafts for suspending said frame, whereby reciprocal rotary movement of said shafts produces reciprocative vertical motion of said frame.

2,625,050

CENTERING DEVICE

George A. Kwasniewski, Moundview Township, Ramsey County, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 5, 1951, Serial No. 230,054
9 Claims. (Cl. 74-470)

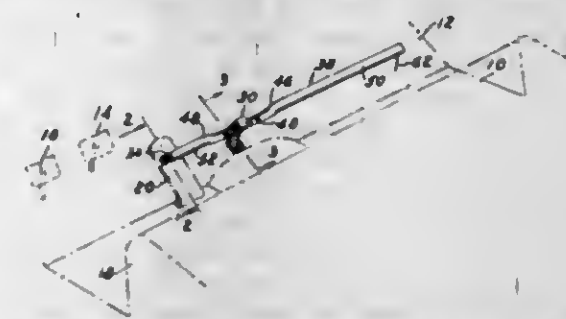


9. Centering means for an oscillatable member comprising, a support, a shaft pivoted in said support, first and second arms pivotally mounted on said support on opposite sides of said shaft and adapted to swing toward and away from said shaft, stops on said support limiting movement of one of said arms in a clockwise direction and limiting movement of the other of said arms in a counterclockwise direction, spring means biasing each of said arms toward its associated stop, a crank on said shaft, and first and second links interconnecting said first and second arms respectively and said crank, each of said links fixing the distance between its associated arm and said crank for movement of said arm away from its stop due to movement of said crank but permitting movement of said crank in the opposite direction to move the other arm away from its associated stop.

2,625,051

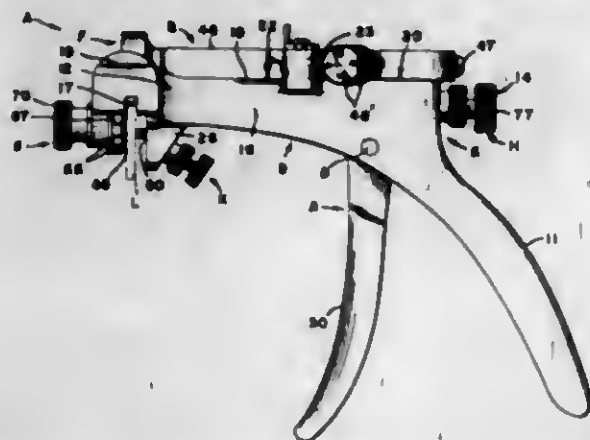
SAFETY DEVICE FOR AUTOMOTIVE VEHICLES

Jake Kriksman, Detroit, Mich.
Application April 26, 1950, Serial No. 158,247
1 Claim. (Cl. 74-479)



In a vehicle of the type having a seat extending transversely of the vehicle, a floor board spaced forwardly of the seat, and an accelerator pedal pivotally mounted on the floor board of the driver's side of the vehicle, the combination therewith of a generally upright bracket mounted on said floor board in a position transversely aligned with the accelerator pedal, said bracket being spaced transversely from said accelerator pedal in a direction away from the driver's side of the vehicle, a lever mounted on said bracket for pivotal movement in a plane generally perpendicular to the plane of the floor board, said lever extending in a direction generally transversely of the vehicle and having lever arms of unequal length extending from and on opposite sides of the pivotal connection between said

body having a pair of forwardly-converging cam faces, movably carried by the support; means movably supporting the member upon the support with said cam follower in contact with a selected cam face; means to manually move said cam body to cause said cam follower to move along the face it contacts and move said member; a reversible saw tooth-engaging pawl, having a pair of teeth with a selected tooth within and

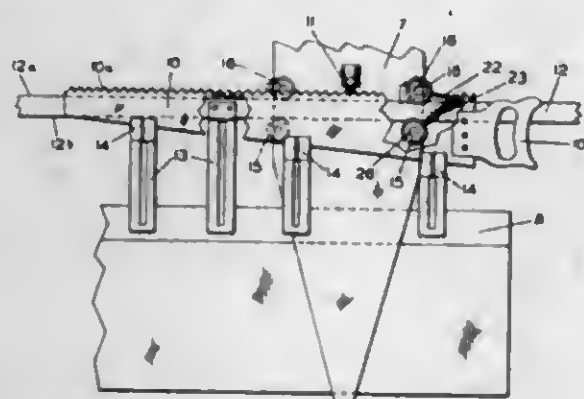


movable along said opening, upon movement of said member, from one position to another position; means carried by said member and pawl to manually pivot said pawl to said pawl-carrying end portion to cause a selected pawl tooth to contact a saw tooth within said opening; and mechanical means to set saw teeth, carried by said support, upon completion of movement of said pawl to one of said positions.

2,625,059

SAW CARRIER GUIDING DEVICE

Conrad Stadick, New Ulm, Minn.
Application March 22, 1950, Serial No. 151,070
5 Claims. (Cl. 76-74)



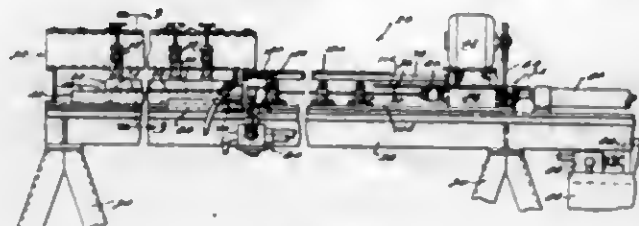
1. For a saw filing machine having a carrier to which a saw may be rigidly secured, said carrier having a longitudinal edge surface extending in parallel relation to the toothed edge of a saw mounted thereon and being movable longitudinally of the toothed edge of the saw in a plane parallel to the saw and said machine having a frame member extending adjacent to one side of said carrier, the improvements which comprise a guide wheel adapted for rolling engagement with said longitudinal edge surface of the carrier, an arm supporting said roller for oscillating movement to and from and laterally of said carrier, a shaft fixed at one end of said arm and supported on said frame member, spring means operatively connected to said shaft for biasing said arm toward said frame member and spring actuated means operatively connected to said shaft for biasing said wheel to resiliently engage said longitudinal edge surface of the carrier.

2,625,060

DEEP DRILLING MACHINE

Roger G. Cudini, Birmingham, Mich., assignor to Moynahan Bronze Co., Detroit, Mich., a corporation of Michigan

Application May 28, 1948, Serial No. 29,690
13 Claims. (Cl. 77-5)



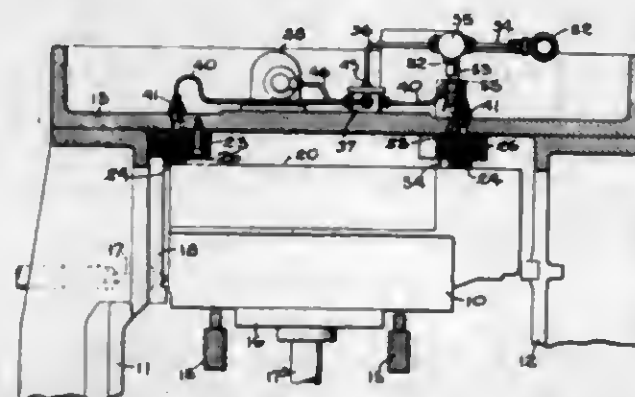
1. A deep drilling machine for drilling an opening through a plurality of spaced projecting portions of a workpiece such as a hinge or the like, said machine comprising a base, a carriage mounted on said base for movement therealong, means mounted on said carriage for mounting and rotating an elongated drill, means mounted on said base for holding a workpiece to be drilled, means for moving said carriage along said base to move said drill toward and through said workpiece, drill positioning means mounted on said carriage in spaced relation to said first named means and including drill supporting elements adapted to be moved between said spaced projecting portions of said workpiece to move into and out of supporting engagement with said drill, and means mounted on said carriage for moving said elements into and out of said supporting engagement with said drill.

2,625,061

WORK POSITION RESPONSIVE CONTROL MECHANISM

Judson H. Mansfield, Rockford, Ill., assignor to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois

Application April 11, 1949, Serial No. 86,693
4 Claims. (Cl. 77-32)



1. A machine tool comprising, in combination, a cutting tool, disabling means associated with said cutting tool and effective to prevent operation of the cutting tool, a work clamping fixture for clamping a workpiece in position for machining, means associated with said fixture and said disabling means and responsive to positioning of an unwarped workpiece in said fixture for rendering said disabling means ineffective to prevent operation of said cutting tool, said last mentioned means including at least four locating pads each of which has a locating surface thereon positioned to limit movement of a workpiece in one direction common to all of said pads, said surfaces being positioned to contact simultaneously locating surfaces of an unwarped workpiece, means associated with said pads and re-

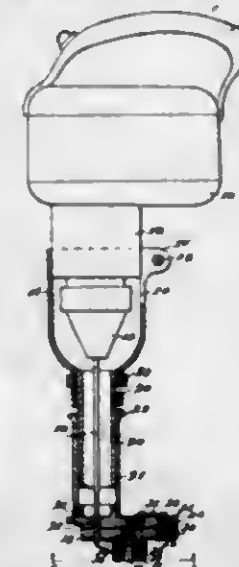
sponsive to the presence of locating surfaces on a workpiece in close proximity to said surfaces on all of said pads to indicate the condition of the workpiece as to warpage, said means last mentioned including an orifice in each of said pads disposed in position to be covered by locating surfaces on the workpiece, an air chamber connected with each of said orifices, controlled pressure means connected to said chamber and effective to change the mass of air in said chamber to create a pressure differential between the pressure in said chamber and atmospheric pressure, a control device associated with said chamber and operable upon establishment of a predetermined pressure therein to render said disabling means ineffective, said orifices and said controlled pressure means being coordinated so that said orifices are effective to bleed sufficient air between said chamber and the atmosphere to prevent the pressure in said chamber from reaching said predetermined value until all four of the orifices are closed by an unwarped workpiece.

2,625,062

DRILL GUIDE

Bernard R. Heil, Los Angeles, Calif.

Application September 1, 1948, Serial No. 47,229
1 Claim. (Cl. 77-55)



In a device of the character described, the provision of a guide plate having an integrally formed pair of diametrically opposed ears, a centrally disposed guide pin affixed to one face of said plate, said plate having a drill bit-receiving opening in one ear thereof in spaced parallel relation to said pin and centrally disposed with respect to the sides of said ear, and a spring-pressed detent mounted in said other ear of said plate in a position diametrically corresponding to said drill bit-receiving opening in said first-mentioned ear, said detent being in spaced parallel relation to said guide pin.

2,625,063

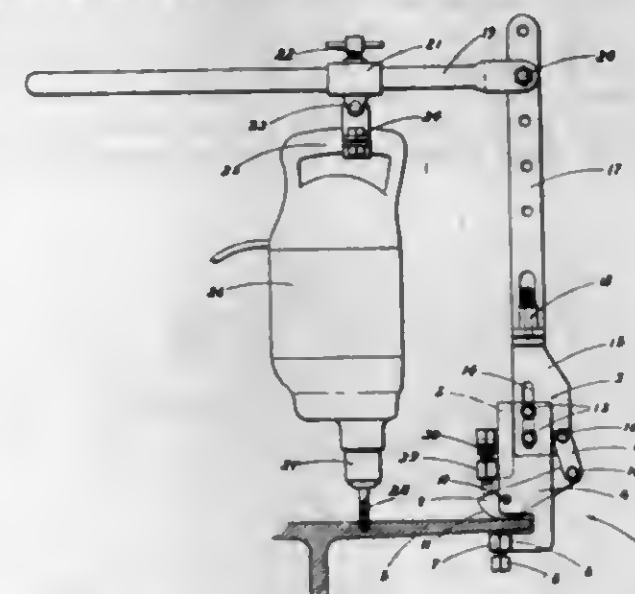
ELECTRIC DRILL HOLDER AND WORK CLAMP

Andrew E. Hanson, Linden, Calif.

Application February 25, 1952, Serial No. 273,245
8 Claims. (Cl. 77-59)

1. An electric drill holder and work clamp comprising a jaw body having a laterally projecting fixed jaw adapted to engage under the work from one edge thereof, a laterally projecting movable jaw pivoted on the body for swinging to engage on the work opposite the fixed jaw, a slide member mounted on the jaw body for motion away from the movable jaw and the work, linkage between said slide member and

movable jaw operative to so swing the latter upon such motion of said member, a post secured to the slide member projecting away from the work, a hand lever pivoted to and projecting



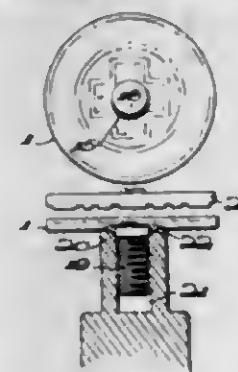
laterally from the post overhanging the work, and means adapted to attach the hand lever to a portable electric drill with the latter extending toward said work.

2,625,064

METHOD OF MAKING COLORED EMBOSSED EMBLEMS

Frank J. Brown, Rochester, N. Y., assignor to Bastian Bros. Co., Rochester, N. Y., a corporation of New York

Application August 8, 1947, Serial No. 767,634
2 Claims. (Cl. 79-3)



1. The method of making colored emblems which includes applying coloring material by printing, lithographing or silk screen process printing on portions of the surface of a rigid metal plate, allowing the coloring material to dry, and thereafter while maintaining the plate at normal temperature forming on the opposite face of the plate by pressure a continuous outwardly projecting flange defining a seat within the marginal portion of the same, and then permanently attaching a pre-formed part of a fastening means on said last mentioned face of the plate by swaging said flange against and about said fastening means part.

2,625,065

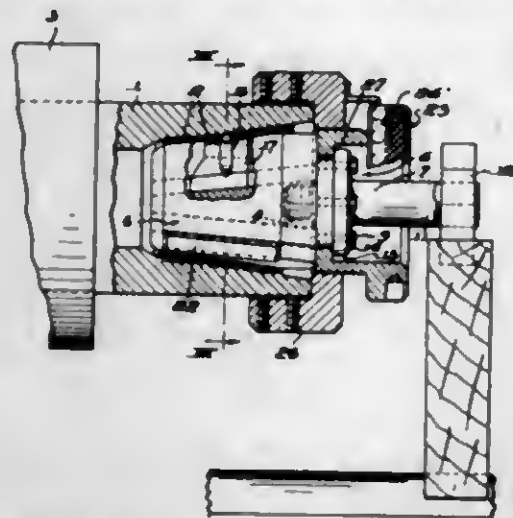
APPARATUS FOR COLD ROLLING FEMALE THREADS

Lawrence E. Trishman, Beaver, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 16, 1950, Serial No. 201,164
5 Claims. (Cl. 80-6)

2. Apparatus for cold rolling thread formed interiorly on the ends of work-pieces, comprising

a frame for engaging and firmly holding a work-piece, a work roll frame positioned within and spaced from the thread of such a work-piece, means for rotating one of said frames, said work roll frame being provided with a track parallel to the thread, a carriage slidably mounted on said track and provided with a work roll formed to engage only the root of the thread, a back-up member comprising a plain faced backing-up bar borne by said work roll frame substantially op-



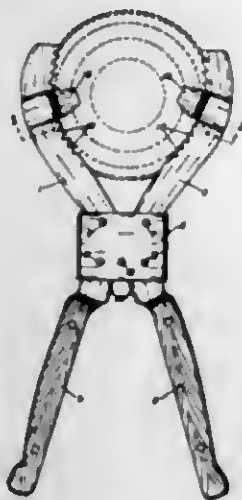
posite to said work roll, and mechanism borne by said work roll frame for moving said carriage longitudinally of the work-piece to adjust the work roll radially into cold rolling engagement with the root of the thread, rotation of one of said frames causing said work roll to follow the thread and move said carriage along said track to cold work the root metal of the thread uniformly.

2,625,066

CLOSURE REMOVER WITH PIVOTED GRIPPING JAWS

William M. Petty, Evergreen, Colo.

Application December 10, 1945, Serial No. 633,900
2 Claims. (Cl. 81-3.44)



1. A tool for removing lids from jars, bottles and the like comprising a pair of longitudinally curved opposed jaws pivoted adjacent their inner ends and movable in a common plane toward and away from each other, the outer portion of said jaws having concave inner surfaces provided with contiguous gripping serrations, said surfaces being formed on a radius of curvature substantially greater than the radius of curvature of the largest size jar lid, the length of said concave surfaces of said jaws being less than twice said radius of curvature, handles operatively connected with the inner ends of said jaws, and opposed inwardly extending lugs located on the outer portion of said

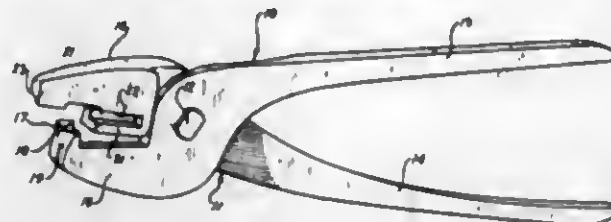
jaws, said lugs having serrations on their opposite lateral edges adapted to cooperate with the serrations on said concave inner surfaces for gripping very small lids on bottles.

2,625,067

CHAIN LINK COMPRESSING PLIERS

Carl E. Stone and Frank J. Brzoticky,
Denver, Colo.

Application March 29, 1948, Serial No. 17,784
4 Claims. (Cl. 81-15)



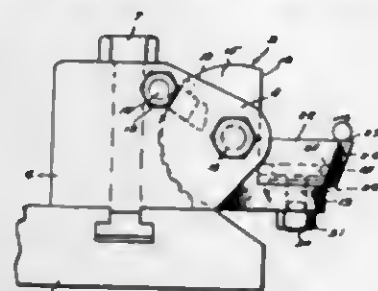
1. In a tool for closing a looped link or like member having laterally spaced ends pointing in opposite directions, said tool comprising jaw members, and means for moving the jaw members toward each other, one of said jaw members having a link supporting block on its inner face near the inner end of the jaw member with said block extending toward the other jaw and having an elongated slot therein opening toward the outer end of the block and being open sided but only at one side of the block so as to receive one of the laterally spaced ends only of the link therein, the other of said jaw members having a projecting end portion on its inner face extending toward the said first jaw and inwardly thereof being formed to receive the block so that the projecting end portion will pass the outer end of the block when the jaws are closed, said projecting portion arranged to act on the other spaced end of the link so that as the jaw members are closed it can bend said other end into alignment with the end in the block.

2,625,068

SKIVING TOOL HOLDING MEANS FOR AUTOMATIC SCREW MACHINES

John R. Smith, Miami, Fla.

Application February 10, 1951, Serial No. 210,317
3 Claims. (Cl. 82-37)



1. A skiving tool and tool holder for detachable mounting upon the tool posts of automatic screw machines, comprising a tool holder having a head portion and a forwardly extending jaw, the head portion being drilled and tapped for the reception of a clamping bolt carried by the tool post, the jaw having a flat tool supporting surface, the tool surface provided with an upstanding key, the jaw and key provided with a squared opening entirely therethrough, a skiving tool for detachable seating engagement upon the tool surface, the tool being slotted for seating engagement over the key, a clamping device having a head for slidable engagement in the slot, a stud carried by the clamping device for traversing the squared opening, the stud projecting below the

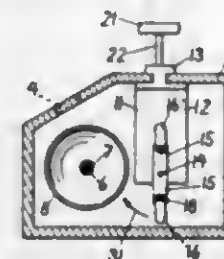
jaw and threaded for the reception of a clamping nut, the tool having its upper forward edges angled and ground for cutting engagement with adjacent work.

2,625,069

MUSICAL TOY

Harry Zimmerman, New York, N. Y.

Application July 28, 1950, Serial No. 176,330
6 Claims. (Cl. 84-406)



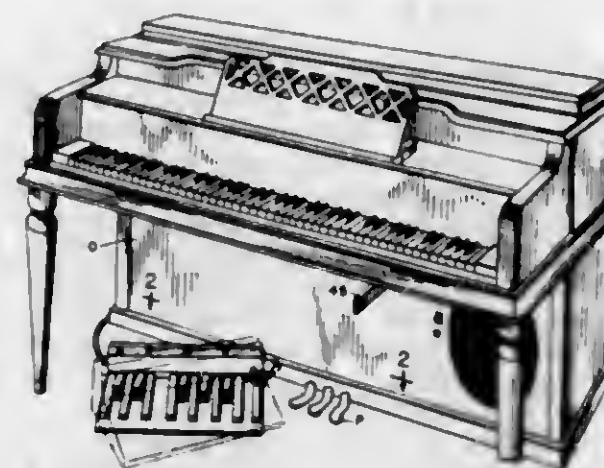
1. A musical toy comprising a supporting structure, a row of differently tuned tone members supported by said structure, and an activating unit comprising a frame guided relatively to said structure and shiftable along said row into registry with any of said tone members, a shaft carried by said frame and shiftable together with said frame along an axis extending along said row at different distances from the individual tone members, an arm carried by said shaft rotatably in a circularly closed path, a striking element forming a movably connected extension of said arm and, together with said arm, forming a striking member of variable radial length, said length being sufficient for contact between said striking element and any tone member that is in registry with said unit, and operative means operated by hand stroke and, at each single hand stroke, rotating said striking member in a circularly closed path.

2,625,070

PEDAL KEYBOARD

Melvin H. French, Brookfield, Ill., assignor to Central Commercial Industries, Inc., Cook County, Ill., a corporation of Delaware

Application June 19, 1951, Serial No. 232,310
6 Claims. (Cl. 84-428)



1. The combination with a keyboard musical instrument of the class employing a case having one or more expression pedals situated at the front and close to the bottom and intermediate the ends of said case; a pedal keyboard disposed at the front of the case and to the left of said expression pedals; and means for detachably securing said pedal keyboard to the bottom of the case so that it is free to rest on the floor.

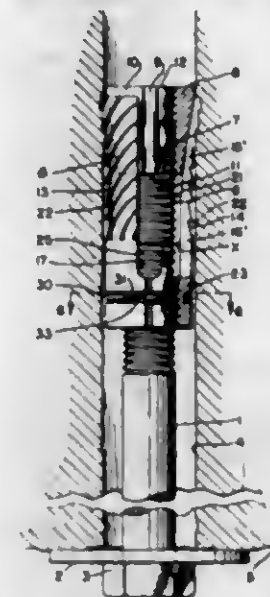
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2,625,071

EXPANSION BOLT

Warren J. Lewis, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application October 31, 1950, Serial No. 193,170
1 Claim. (Cl. 85-2.8)



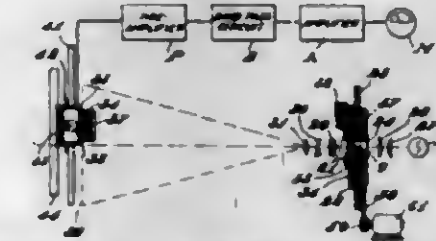
In an expansion bolt composed of a plurality of independent shell sections, a stud threaded at its outer end, yieldable retaining means around the inner end of the shell sections and holding them to the stud, and an expander threaded on the outer end of the stud with at least a part thereof within the outer end of the shell sections and adapted to spread the shell sections as the expander is turned further on to the stud, the improvement which consists in the provision of a thread on the stud located inwardly from the aforementioned thread and threaded in the reverse direction from the aforementioned thread, and threads on the inner surface of the shell sections near their inner end which cooperate with said reverse threads on the stud whereby when the stud is turned and the expander enters sufficiently far into the shell sections the reverse threads spread the inner ends of the shell sections laterally against the yieldable retaining means.

2,625,072

APPARATUS AND METHOD FOR EVALUATION OF PHOTOGRAPHIC RESOLVING POWER

Lauriston E. Clark and Donald H. Kelly, Los Angeles, Calif., assignors to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine

Application March 9, 1949, Serial No. 80,368
7 Claims. (Cl. 88-14)



1. Apparatus for determining the resolving power of a photographic recording medium comprising a photograph of an optical target having a plurality of alternately contrasting equiangular sectors disposed in a circle, a support for said photograph, an optical system for projecting an image of the photographed target, a light sensitive element in the region of the plane of the

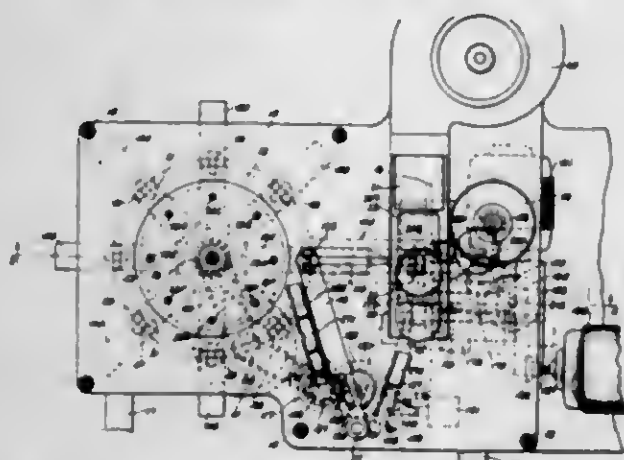
image for producing alternating current in response to light variations, means for producing relative radial movement between the element and the center of the image, means for producing relative rotation between the support and the element about an axis through said center, the element being responsive to alternately contrasting light values projected thereon to produce an alternating current of constant predetermined frequency, discriminating means passing said predetermined frequency only, and means for detecting changes in the amplitude of the constant frequency current whereby substantial change in said amplitude, as the element is moved radially, indicates the limit of resolving power of the medium.

2,625,073

MULTIPROGRAM PROJECTOR

D'Arcy A. Young, Jr., and Robert A. Fox, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 27, 1948, Serial No. 46,464
35 Claims. (Cl. 88-17)



15. In a multi-program photographic projector, the combination with a frame comprising spaced-apart members and having a transporting station, of a guide means in said members, a plurality of film-handling units, each adapted to contain a film strip and to be detachably positioned in said guide means, a movable carriage rotatably mounted between said members for moving said film-handling units along said guide means and for positioning a selected film-handling unit in said transporting station, and a carriage moving means operatively connected to said carriage means for rotating said carriage means.

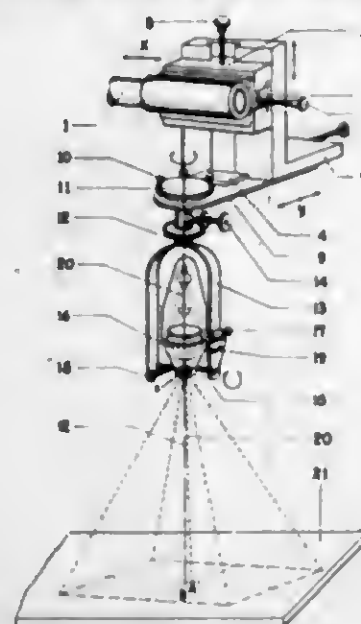
2,625,074

PHOTOGRAMMETRIC PLOTTING PROJECTOR APPARATUS FOR RADIAL NADIR POINT TRIANGULATION

Umberto Nistri, Rome, Italy
Application November 15, 1949, Serial No. 127,414
In Italy February 1, 1949
6 Claims. (Cl. 88-24)

1. In a photogrammetric plotting apparatus of the multiple projector type, an individual support for each projector, said support comprising a member, means to mount said member for rotation about a vertical axis and passing through the projector lens, means carried by said member to mount said projector for rotation about a horizontal axis intersecting said vertical axis, means carried by said member to mount said projector for rotation about its optical axis, said

projector being disposed with its optical axis intersecting said vertical axis, whereby the nadir

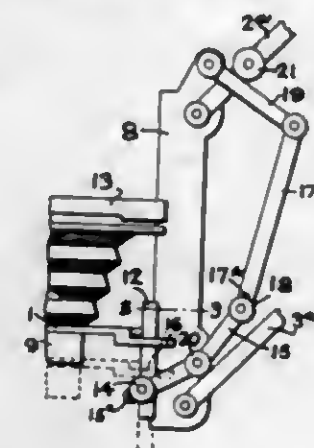


axis of the projector can be made to coincide with the vertical axis and the image cast by the projector thereupon rotated about said nadir axis.

2,625,075

PHOTOGRAPHIC ENLARGER

Wilhelm Baasner and Karl Huber,
Munich, Germany
Application May 22, 1950, Serial No. 163,454
In Germany May 19, 1949
3 Claims. (Cl. 88-24)



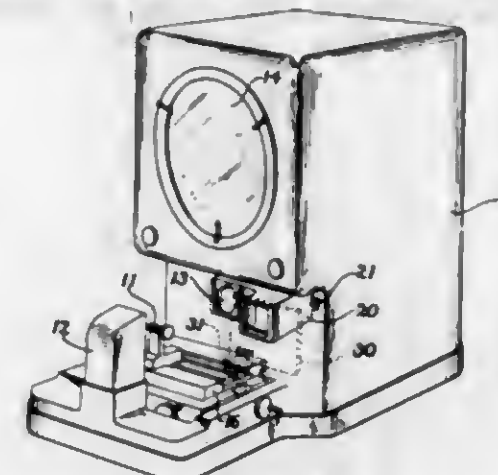
1. A photographic enlarger, comprising a frame, a lens carrier having two shoulders and slidable within said frame, a base plate, a column, a support slidably arranged on the column, a system of two pairs of parallel rods swingably joining said support and said frame, one rod of the first pair of parallel rods being connected to a first angle lever pivoted on the frame, said angle lever having a roller at one of its ends bearing against one shoulder of the lens carrier and bearing with its other end against a roller on a rod of the first pair of parallel rods, a second angle lever having one of its ends attached to the frame by means of a connecting rod and a lever pivoted on the frame, said lever bearing against a roller on a rod of the second pair of parallel rods, the other end of the second angle lever bearing against the second shoulder of the lens carrier, two lens boards for alternate insertion into said lens carrier, each of said boards supporting a lens of different focal length, means on said lens boards for alternately coupling a different one of said shoulders with its associated angle lever, thereby automatically varying the focal distance between the lens and the base plate.

2,625,076

DOUBLE BEAM ATTACHMENT FOR CONTOUR PROJECTORS

Louis C. Nosco, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 2, 1951, Serial No. 218,878
4 Claims. (Cl. 88-24)



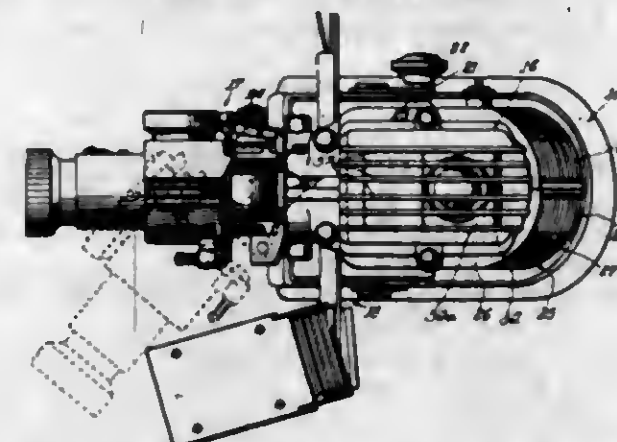
1. A double beam optical comparison attachment adapted to be mounted ahead of the first lens of the image-forming system of a contour projector having a worktable for supporting an object and for moving it transversely across the field of the image-forming system and also having means for illuminating the object from behind for silhouette projection and means for illuminating the object episcopically through said first lens, which attachment comprises a mount for supporting the attachment ahead of said first lens, a semitransparent mirror carried by the mount aligned with, and oblique to, the axis of said lens, a second mirror also carried by the mount parallel to said semi-transparent mirror to receive episcopic illuminating light from the lens as reflected by said semitransparent mirror and to reflect it parallel to said lens axis, and means on said worktable for supporting a flat reflecting chart to receive said light optically at the front focus of said image-forming system and orthogonal to the optical axis of the lens to reflect the light back to the second mirror, and thence to the semitransparent mirror and thence into said first lens in alignment with light transmitted by said semitransparent mirror from the silhouette-illuminating means, whereby transverse movement of the worktable moves both the object and the chart identical distances transversely across the field of the image-forming system.

2,625,077

PICTURE PROJECTOR

Ernest W. Goldberg, Chicago, Ill.

Application October 16, 1946, Serial No. 703,695
8 Claims. (Cl. 88-24)



1. In a projector, a lamp housing consisting of separable castings defining said housing in

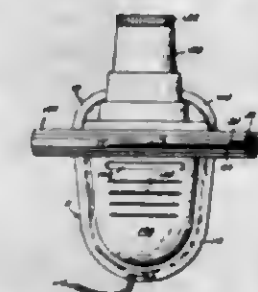
assembled relation, integral lens-seating slots formed on the interiorly disposed surfaces of said castings and disposed in the assembled condition of said castings such that there are aligned pairs of said slots respectively defining lens seats adapted to receive directly the edgewise parts of lens elements.

2,625,078

DEVICE FOR PROJECTING SINGLE VIEWS OF STEREOSCOPIC PAIRS MOUNTED IN DISKS

Gordon N. Smith, Portland, Oreg., assignor to Sawyer's Inc., Portland, Oreg., a corporation of Oregon

Application May 5, 1950, Serial No. 160,272
10 Claims. (Cl. 88-27)



1. A device for projecting views of transparencies mounted in a circle about the outer portion of a disc, comprising a frame having a first slot in its upper surface and means defining with said slot an upwardly opening pocket into which a transparency holding disc may be inserted, projecting means mounted in said frame, the line of projection thereof being substantially along the longitudinal center line of the frame and said pocket being eccentrically located with respect to the line of projection and lying in a plane substantially normal thereto so that the transparencies may be brought into the line of projection by rotating the disc in the pocket, feeding means mounted in said frame and including a lever projecting through a second slot in the side of said frame, said lever being mounted for pivotal movement about an axis normal to the plane of said pocket substantially coinciding with the center of said disc when located in said pocket and having a portion engageable with said disc to rotate the disc step by step upon successive actuations of the lever in one direction, spring means associated with said lever for returning said lever to a normal position, spaced abutments engageable by said lever for limiting movement of said lever to the amount required to position successive views in alignment with said projecting means, and means engaging said disc to hold said disc against returning movement with said lever when being returned, said frame comprising a front part and a rear part and means for holding said parts together, said parts having substantially vertical, matching portions meeting substantially in the plane of said pocket, and said feeding mechanism comprising a mounting plate associated with said frame parts, one of said frame parts having recesses for receiving widely spaced portions of said mounting plate and the other of said frame parts having lugs engageable with said widely spaced portions to retain them in said recesses.

2,625,079

EYEGLASS FRAME CONSTRUCTION

Martin B. Singer, New York, N. Y., assignor to Harlequin Corporation, New York, N. Y.

Application May 3, 1950, Serial No. 159,765
3 Claims. (Cl. 88-41)

2. An eyeglass frame comprising a brow bar extending across the front of said frame, said

brow bar being formed as an integral element from flat sheet metal and extending from one end portion of the frame to the other end portion, the end portions of said brow bar thereby defining the end portions of said frame, a pair of temples connected to the end portions of said brow bar, a pair of eye wires, each of said eye wires having a peripheral portion extending from one end portion of the frame inwardly thereof and longitudinally of said brow bar, said peripheral portion of said eye wires lying substantially within the projected area of said brow

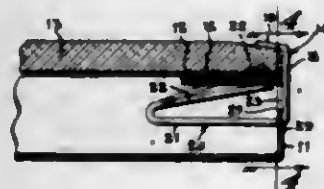


bar when viewed directly from the front thereof, a pair of laterally spaced nose pad arms directly connected to adjacent inner portions of said peripheral portions of said eye wires, and means connecting each of said eye wires to said brow bar rearwardly thereof and in spaced relation therewith, said means comprising at least a pair of laterally spaced connecting portions interposed between each of said eye wire peripheral portions and adjacent portions of the rear face of said brow bar whereby said eye wires are secured to said brow bar in spaced relation therewith and rearwardly thereof.

2,625,080

MOUNTING CLIP FOR MIRRORS AND THE LIKE

Louis Ferlise, Middletown, Ohio, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio, a corporation of Ohio
Application August 3, 1950, Serial No. 177,444
7 Claims. (Cl. 88-96)

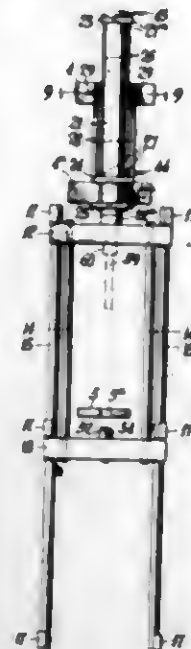


1. In combination with a mirror backing having a side flange for supporting a panel or the like, a mounting clip for clamping the panel upon the backing comprising, a pair of yieldable limbs diverging from one another in a plane, the side flange of the mirror backing having an aperture adapted to receive the diverging yieldable limbs, one of the said limbs having a connector portion extending laterally therefrom and adapted to reside against the side flange when the limbs are inserted into the aperture, the outer end of the said connector portion being bent in the plane of said diverging limbs to overlie a mirror panel seated upon the flange, said aperture having a key extending therein from an edge thereof, and one of said limbs having an aperture therein for locking engagement with said key upon insertion of the clip in said aperture.

2,625,081

BROACHING MACHINE

Frank C. Wilson, Arcade, N. Y., assignor to The Manufacturers and Traders Trust Company, Buffalo, N. Y., a corporation of New York, Jack A. Ahern and David D. Nash, both of Buffalo, N. Y., as executors of the estate of Kirke R. Wilson, deceased
Application May 9, 1950, Serial No. 160,889
6 Claims. (Cl. 90-33)



1. A hydraulic press available selectively for push or pull broaching operations and arbor press operations comprising a supporting frame composed of parallel uprights and transverse plates connecting the uprights, a fixed horizontal platen mounted between the uprights, an operating frame comprising upper and lower cross heads and tie rods rigidly connecting the cross heads and maintaining them in spaced parallel relation, the lower cross head being arranged below the platen, and the upper cross head being arranged above the platen, either cross head being available for cooperation with a broaching tool, the upper cross head being used in cooperation with the platen for push broaching and arbor press operations and the lower cross head being used in cooperation with the platen for pull broaching, a pair of parallel vertical guide rods, each guide rod being connected for support to a corresponding upright and arranged adjacent its inner face, the cross heads having their end portions articulated with the guide rods for guiding cooperation, and a vertical hydraulic ram carried by the supporting frame and located outside the operating frame, the ram including a vertically movable element connected to one of the cross heads at a point central thereof and in alignment with the central vertical axis of the operating frame, thereby to effect the downward and upward movement of the operating frame.

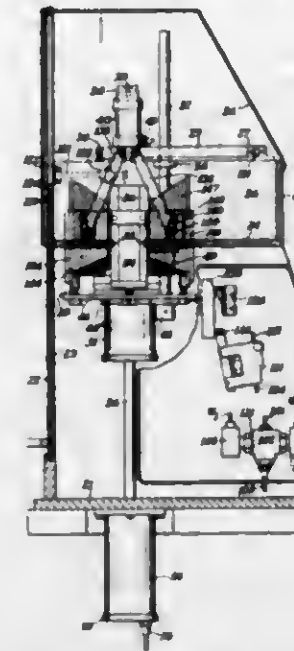
2,625,082

CAMERA BELLWS FOLDING MACHINE

Wayne K. Wight, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 23, 1949, Serial No. 77,847
19 Claims. (Cl. 93-36)

1. In a bellows folding machine, the combination with a pair of spaced bellows holding clamps for substantially air-tight engagement therewith, of a plurality of movably mounted fold plates for engaging the outside walls of a bellows to be folded, means for admitting com-

pressed air into the bellows to be folded to press areas thereof against and between the fold plates, said fold plates comprising sets, one for each side of the bellows, each set including a lever mounted to move about a pivot at one end there-

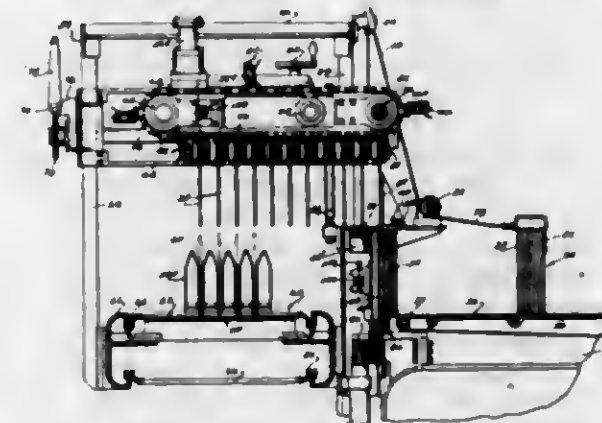


of and operatively engaging the plates of one set and means for moving the lever about its pivot to simultaneously move said plates relative to each other to vary the spacing thereof to a predetermined extent.

2,625,083

APPARATUS FOR TRANSFERRING AND GROUPING PARTITION STRIPS

Julius E. Wilske, Joseph P. Benoit, and Francis A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application November 30, 1948, Serial No. 62,744
13 Claims. (Cl. 93-37)



1. The combination of a horizontally disposed carrier mounted to travel horizontally, clips attached to and depending from the carrier and spaced at intervals along the carrier in the direction of its travel, a support for vertically disposed flat strips of sheet material positioned below said carrier, automatic means for projecting said strips vertically upward from said support into said clips and thereby suspending the strips from the carrier, a stop in the path of the strip projecting means to limit the upward movement thereof, a frame carrying said stop, means for adjusting the carrier up and down vertically, and interconnected mechanism between the carrier adjusting means and the stop carrying frame for automatically adjusting the stop frame and stop vertically simultaneously with adjustment of the carrier, in the same direction and through half the distance through which the carrier is adjusted.

2,625,084

APPARATUS FOR SETTING UP FOLDING CARTONS AND THE LIKE

Arthur J. Weiss, West Englewood, N. J., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application March 2, 1949, Serial No. 79,286
4 Claims. (Cl. 93-53)

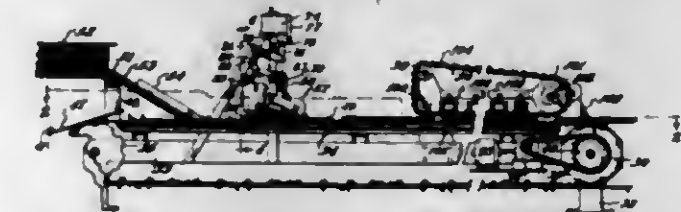


1. A cradle for setting up folding cartons and the like, comprising a base member, pairs of opposed brackets mounted on said base member, said brackets having portions inclined outwardly and upwardly, and fingers mounted to be clamped in fixed operating position on said inclined portions of the brackets for engagement with the respective ends of the folding carton.

2,625,085

APPARATUS FOR ASSEMBLING COMPOSITE CONTAINERS

Frank David Bergstein, Wyoming, Ohio
Application February 9, 1949, Serial No. 75,467
7 Claims. (Cl. 93-55)



1. In a device for the purposes described a conveyor locating means for an assembly of articulated panels fixing its position in the direction of the length of the conveyor, and locating means for fixing its position laterally of the conveyor, said last mentioned means serving an additional function as locating means for end pieces to be associated with said assembly of articulated panels, said last mentioned locating means comprising pins lying off the edges of said assembly of articulated panels and adapted to be engaged in holes in said end pieces, and including adhesive applying means located above said conveyor and substantially above lateral marginal portions of said articulated panel assembly, said adhesive applying means comprising a continuous applicator mounted for up and down movement so as to be brought into and out of contact with the said marginal portions of the articulated panel assembly, and means actuated by the articulated panel assembly on said conveyor for moving said adhesive applying means upwardly and downwardly.

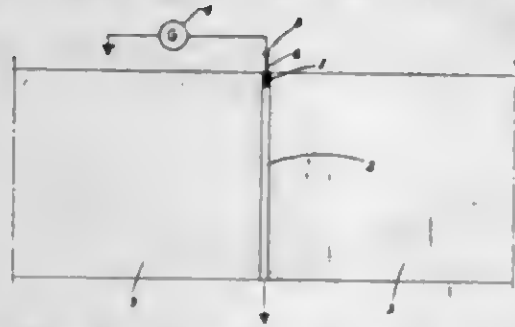
2,625,086

METHOD OF INSTALLING JOINT STRIPS IN HIGHWAYS

Carl E. Ulrich, Chicago, Ill.
Application September 8, 1945, Serial No. 615,216
1 Claim. (Cl. 94-22)

That method of applying in a highway a strip of compressible and expansible material having a melting point above maximum atmospheric temperatures and which strip includes an electrical resistance element, such method consisting in the steps of placing the strip in place, pouring concrete on each side thereof, and, after the

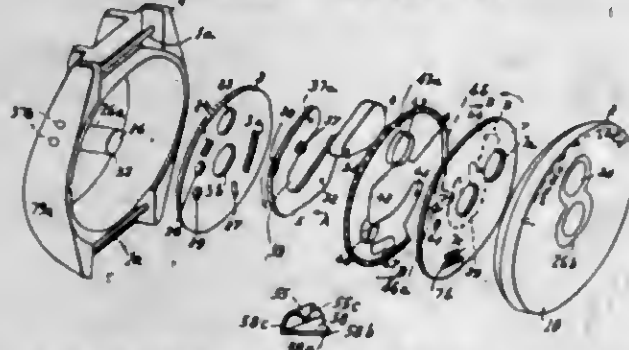
concrete has set and dried, then passing an electric current through the resistance element to a degree sufficient to heat the same at or above the melting point of the meltable material; whereby



such material will melt and flow into the interstices of the vertical surfaces of the adjacent concrete, and then discontinuing the electric current.

2,625,087

CONSTRUCTION FOR CAMERAS
Rudolf Steineck, Tutzing/Obb, Germany
Application May 12, 1949, Serial No. 92,846
22 Claims. (Cl. 95-38)



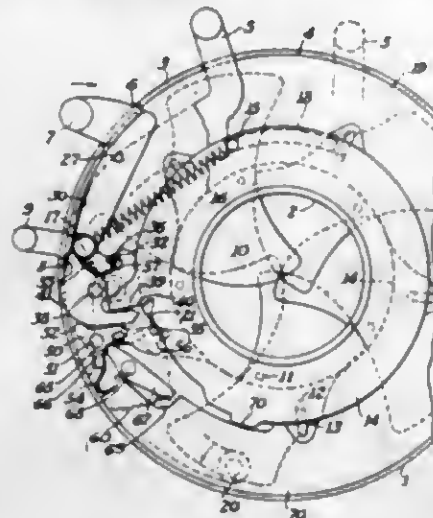
1. In a camera the combination comprising a spring returnable shutter release, means for rotatably holding a photo-sensitive disc in off-center position to the optical axis of such camera and with its axis of rotation substantially parallel to such optical axis, means for rotating such disc around its said axis, shutter actuating spring means, and transmission means cooperatively connected to said shutter release, said disc rotating means and said spring means to load and snap release said spring means and actuate said disc rotating means to transport such disc a predetermined angular distance upon actuation of said release, said transmission including first means spring returnably rotatable and secured to said release for actuation thereby, second means rotatably mounted in cooperative relation to said spring means to load and snap release the same upon rotary motion of said second means, and third means mounted in cooperative relation to said first and second means to transmit rotary motion from said first to said second means, said disc rotating means being mounted in cooperative relation to one of said release and of said transmission means in disc transport position transmitting a predetermined rotary motion to such disc following snap release of said spring means.

2,625,088

SHUTTER OPENING DEVICE FOR FOCUSING
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 8, 1951, Serial No. 214,608
4 Claims. (Cl. 95-63)

1. An improvement in shutter construction for opening the blades of a shutter for focusing

wherein the shutter is of the type having an apertured shutter casing, a plurality of shutter leaves pivotally mounted therein, a blade ring movable in one direction for moving the blades in one direction to open and close the exposure aperture, a spring driving the blade ring from a set position to a rest position to make an exposure, means for tensioning the spring thereby setting the shutter, mechanism for releasing the shutter including a trigger and a power-operated shutter release lying in the path of and adapted to be moved by the trigger, and cover blinds connected to and operable through movement of the trigger, said improvement for opening the shutter to a focusing position comprising a manually operable focusing lever pivoted inside the shutter and having an operating handle outside thereof, an arm carried by the focusing lever, a cam carried by the focusing lever, an abutment carried by the blade ring and normally lying adjacent the arm when the blade ring is in a rest position



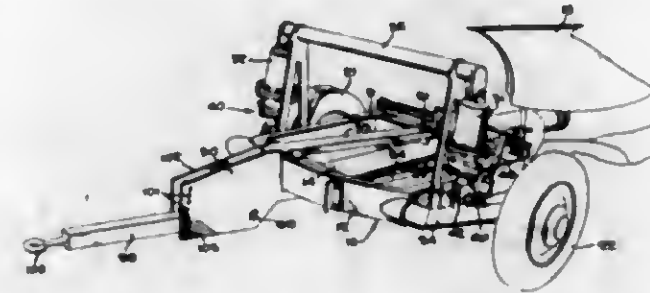
and lying in the path of movement of the arm and adapted to be moved thereby to open the shutter blades, said trigger including a pin lying in the path of movement of the arm and adapted to be moved thereby, a blade ring latch movable to and from a position in which the latch may engage a latch element carried by the blade ring for holding the blade ring against movement when in a set position, a power-operated release including a latch element and including means for moving said blade ring latch, a power-operated release latch pivotally mounted in the shutter and movable to and from a position to engage the power-operated release latch element to hold the latter against movement, said power-operated release latch being spring-pressed against the cam on the focusing lever to be moved thereby, said cam and power-operated release latch being positioned and arranged to engage the latch with the power-operated release latch before the arm completely moves the trigger to its shutter-releasing position.

2,625,089

TWO-WAY PLOW
Harry A. Pursche, Gardena, Calif.
Application March 31, 1948, Serial No. 18,252
21 Claims. (Cl. 97-26)

1. In a two way plow assembly, the combination of a frame having laterally spaced side members; a carrier extending rearwardly from the frame and provided with a right-hand plow and a left-hand plow; means on the frame for turning the carrier about a longitudinal axis to bring either plow into operative position; a pair of laterally spaced supporting wheels on opposite sides of the frame; rearwardly extending arms pivot-

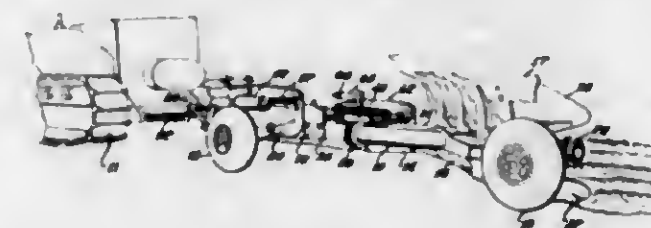
ally mounted on the forward ends of the side members, the arms extending for the major portion of the length of the side members; means connecting the rearward ends of said arms to said supporting wheels; and upright power cylinder assemblies on the frame for effecting pivotal



movement of the arms downwardly and forwardly relative to the frame, whereby the wheels move forwardly away from the carrier when the frame is raised, said power cylinder assemblies each engaging one of the wheel arms at a location between the wheel and the pivotal connection to one of the side members.

2,625,090

TWO-WAY PLOW
Harry A. Pursche, Gardena, Calif.
Application July 14, 1947, Serial No. 760,846
27 Claims. (Cl. 97-26)



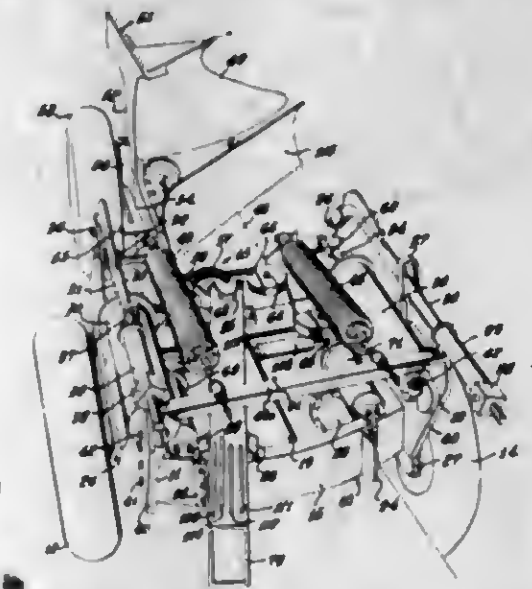
2. In a two-way plow assembly, the combination of a frame, side supporting wheels for said frame, means on the frame for raising the frame relative to said wheels, a carrier mounted on the frame and provided with a right hand plow and a left hand plow, means on the frame adapted to turn the carrier about an axis extending longitudinally of the frame to bring either plow into operative position, and a single rear supporting wheel on the carrier laterally offset from said axis to roll on unplowed ground when either plow is in operation, said rear supporting wheel cooperating with the side supporting wheels to support the frame in operative position.

2,625,091

TWO-WAY PLOW
Harry A. Pursche, Gardena, Calif.
Application October 17, 1947, Serial No. 780,417
26 Claims. (Cl. 97-26)

2. In a two way plow assembly the combination of a frame; a tongue pivotally connected to the frame for relative lateral movement; power means including a power cylinder on the frame for shifting the tongue; a carrier mounted on the frame and provided with a right hand plow and a left hand plow; power means including another power cylinder on the frame for rotating the carrier about a longitudinal axis to bring either plow into operative position; latch means positioned on the frame engageable with the carrier to maintain either plow in operative position;

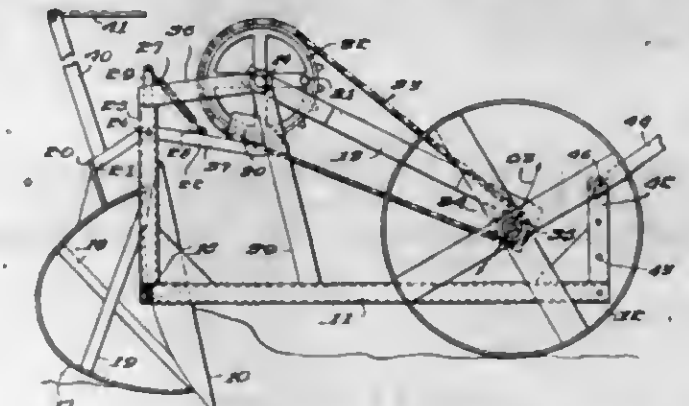
common hydraulic means for energizing the two said power cylinders and means operatively con-



necting the latch means for simultaneous operation with one of said power means.

2,625,092

IRRIGATION BORDER DAM FORMING MACHINE
Albert Nikkel, Shafter, Calif.
Application December 29, 1949, Serial No. 135,584
2 Claims. (Cl. 97-55)



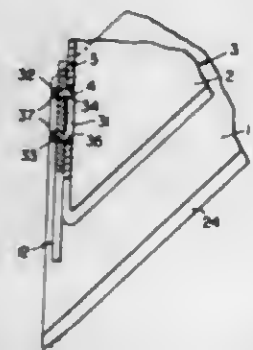
1. A dam forming attachment for furrow and border forming implements comprising a main frame, means for attaching the main frame to an implement, a scoop pivotally mounted in the main frame and positioned to scoop soil as the implement travels, said scoop having an arcuate shoe on the back thereof, a stop extended outwardly from the shoe of the scoop, a trip lever positioned to engage the stop on the shoe of the scoop, said trip lever having a cam on the end thereof, a sprocket journaled in the said main frame having a pin eccentrically positioned thereon and positioned to engage the cam of the trip lever for actuating the trip lever to release the stop of the shoe of the scoop, an auxiliary frame pivotally mounted in the main frame on the same axis as said sprocket, a traction wheel journaled in the auxiliary frame, and means driving the sprocket having the eccentric pin thereon by the traction wheel of the auxiliary frame.

2,625,093

PLOWSHARE
Walter J. Borst, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 4, 1948, Serial No. 31,114
5 Claims. (Cl. 97-125)

1. For use with plow bottoms adapted to receive conventional plowshares in which the landside

sections thereof are thicker than the blade sections; a replacement plowshare comprising a substantially flat blade having a diagonal edge at one end thereof, and a flat planar landside of substantially the same thickness as said blade and welded to the blade alongside said edge but spaced inwardly thereof so as to dispose the inner face of the landside substantially in a plane spaced inwardly of the plane of said edge, whereby the plowshare is adapted to fit bottoms con-

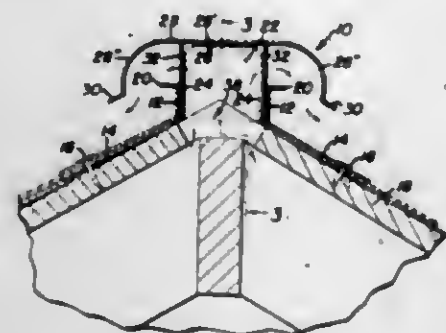


structed to receive conventional plowshares having landside sections thicker than the blade sections, whereby when the replacement plowshare is fixed in position on the bottom, the landward edge of the replacement share lies substantially in the same alignment with the moldboard as the conventional plowshare, the amount of overhang of the blade over the landside at this point being uniform for substantially the entire length of the landside.

2,625,094

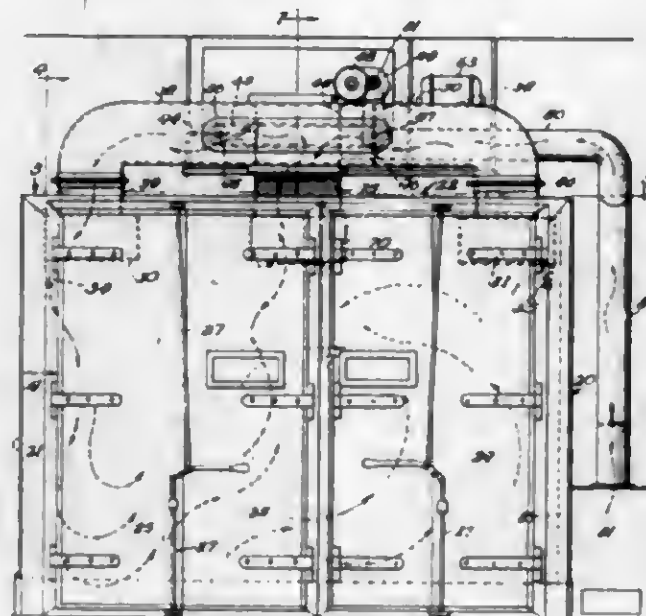
VENTILATING RIDGE ROLL FOR ROOFS

John Bonforte, Colorado Springs, Colo.
Application December 10, 1951, Serial No. 260,896
1 Claim. (Cl. 98—42)



A ventilating roll structure for roof ridges comprising in combination a pair of spaced base members having outwardly angulated flanges at the upper edges thereof, upstanding supports provided at longitudinally spaced points secured to said angulated flanges and extending therebetween, pairs of substantially parallel side flanges secured to said supports, top flanges secured to said supports, a cap member carried by said top flanges and including an intermediate portion spaced upwardly from said angulated flanges and downturned side portions extending outwardly and downwardly to a plane substantially below the angulated flanges, and screens secured to and positioned between said base members and said side flanges and extending upwardly to the intermediate portion of the cap member, said cap member having out-turned flanges at the lower edge thereof extending below said angulated flanges to shield said screens.

2,625,095
APPARATUS FOR TREATING FOOD PRODUCTS
John A. Julian, Chicago, Ill.
Application October 19, 1949, Serial No. 122,261
2 Claims. (Cl. 99—259)



1. Apparatus of the character described comprising: a housing provided with a chamber for enclosing food products to be treated, and including front, rear, top and side walls; conduits of like capacity at opposite sides of and at the top of the chamber provided with means for discharging fluid downwardly into the upper portions of the chamber; a trunk outside and extending crosswise of the house, having a straight portion with its ends communicatively connected to deliver fluid into said conduits, respectively, and provided with an inlet disposed midway between the conduits, an impeller for fluid disposed centrally over the top of the house and aligned rearwardly with and connected to the inlet; a pair of like rotary valves arranged in longitudinal alignment with the straight portion of the trunk, disposed on opposite sides of the inlet and equidistantly spaced from the conduits, for separately controlling the flow of fluid to the conduits, respectively; said valves being rotatively correlated to continuously and progressively increase and decrease the volumetric flow from the trunk in equal ratios alternately to said side conduits and the sides of the chamber; mechanism for simultaneously rotating the valves to produce said alternating flow from the trunk to the conduits at the opposite side of the chamber; an outlet conduit centrally disposed in the top of the chamber; and a heater between the rear end of the outlet conduit and the impeller, said inlet, impeller, and heater being substantially aligned fore and aft over the top of the house and vertically aligned with the outlet-conduit in the house.

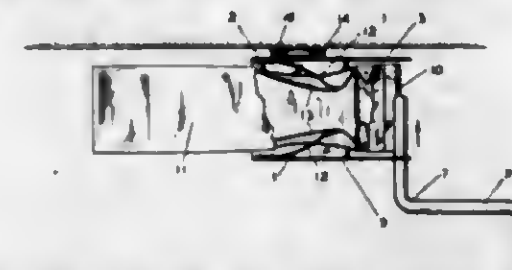
2,625,096

PAPER CARTON COLLAPSER

Walter G. Peterson, Eugene, Oreg.
Application November 2, 1950, Serial No. 193,577
1 Claim. (Cl. 100—76)

A device for collapsing substantially square paper cartons, having crimped front ends, comprising a substantially hollow casing open at both ends and having side, top and bottom walls, the side walls extended at one end beyond the top and bottom walls, a crank-shaft mounted in bearings in the extended side walls of the casing, the crank-shaft being bent at one end to form a handle, that portion of the crank-shaft located

within the casing being provided with a slot adapted to receive therein the said crimped front end of a paper carton, the inner sides of the casing being provided with inwardly biased leaf springs such that, on the insertion of a carton

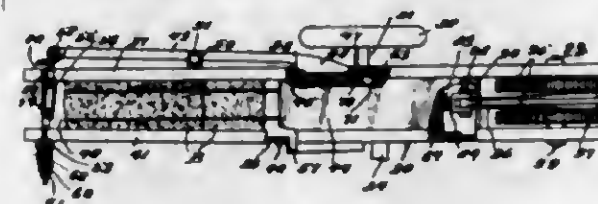


into the casing with the said crimped front end thereof threaded through the slot in the said crank-shaft and subsequent rotation of the handle, the springs will assist in flattening the material of the carton prior to the formation of a material roll on said crank-shaft.

2,625,097

HAY BALER SLEEVE

Gus Almquist, Riverside, Calif.
Application March 14, 1951, Serial No. 215,404
5 Claims. (Cl. 100—192)



1. In a mobile straw baling machine, a housing, a plunger reciprocally mounted in said housing and adapted to be reciprocated by a power source, a feed hopper projecting from one side of said housing for the ingress therethrough of straw to be baled, a first vertically disposed stationary plate extending rearwardly from said housing, a second plate hingedly connected to said housing and arranged in spaced relation with respect to said first plate, said plates coacting to define a baling chamber, means connecting the free ends of said plates together, and a trip mechanism for selectively permitting pivotal movement of said second plate away from said first plate, said trip mechanism comprising a lever pivotally connected to said first plate, a roller carried by said plunger for engaging one end of said lever, an arm secured to said second plate, a bar secured to said lever, and turnbuckle assemblies extending between said bar and said arm.

2,625,098

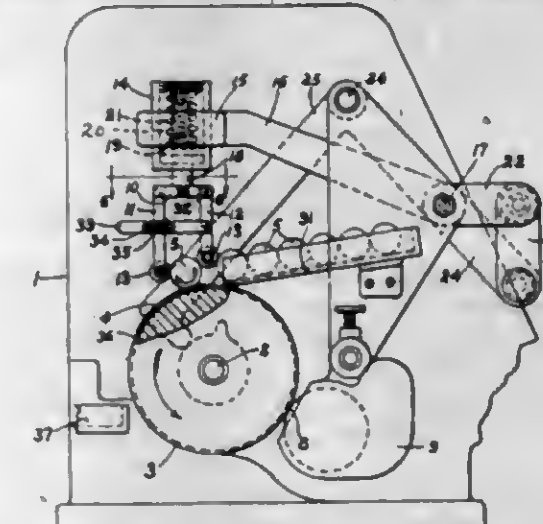
MACHINE FOR MAKING AN IMPRINT ON CYLINDRICAL ARTICLES

Charles F. Robbins and Bertrand G. Harvey, Keene, N. H., assignors to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application December 7, 1949, Serial No. 131,558
2 Claims. (Cl. 101—38)

1. A machine for making an imprint on cylindrical articles comprising a printing cylinder having a continuous cylindrical surface carrying type elements, means to rotate said printing cylinder, article holding means above the printing cylinder for holding a cylindrical article to be printed in a position above and resting on the printing cylinder and with its axis parallel to that of the printing cylinder, said article-holding

666 O. G.—30

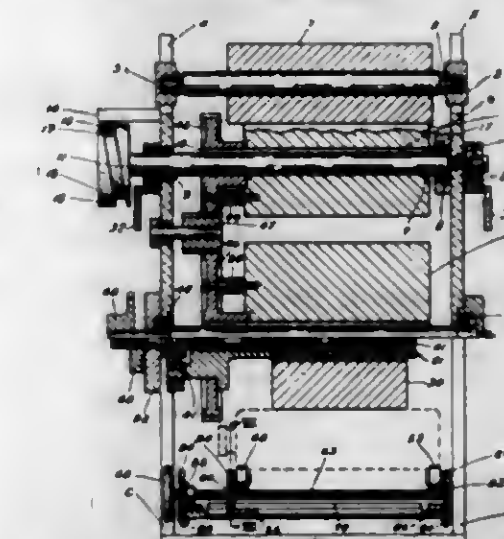
means comprising a head member, two pairs of rolls mounted on the head member with the pairs of rolls spaced from each other lengthwise of said cylindrical article and with the rolls of each pair spaced from each other in a direction transversely of the axis of said cylindrical article a distance slightly less than the diameter of said cylindrical article, and means for moving said head member vertically between a raised inoper-



ative position in which the rolls are located above the cylindrical article and a lowered operative position in which the rolls of each pair engage the cylindrical article in straddling relation thereto, and thereby hold it in printing position, said rolls constituting the sole means for thus holding the cylindrical article in printing position, whereby the article is released when the rolls are in their raised position.

2,625,099

ADJUSTABLE WORK SUPPORTING MEMBER
Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
Application October 17, 1945, Serial No. 622,745
2 Claims. (Cl. 101—38)



1. In a machine for printing on cylindrical articles, such as an ampoule for therapeutic use, adjustable means holding said cylindrical article in print receiving position under a printing roll, the improvement comprising: a vertically guided platform having a threaded opening therein; a selectively rotatable threaded member within said threaded opening whereby rotation of said member will move said platform vertically in a selected direction; fixed means on said platform supporting a pair of spaced rollers whose axes are parallel with and equidistant from the axis of

said printing roll; an elongated groove in said platform aligned parallel with the axis of said printing roll; a threaded shaft spaced from and parallel with said groove; movable means received within said groove and having a threaded opening therein receiving said shaft; a pair of spaced rollers mounted upon said movable means, the axes of said rollers being parallel with and equidistant from the axis of said printing roll; means operable for manual rotation of said shaft, whereby rotation of said shaft will move said movable means longitudinally within said groove toward and away from said fixed means.

2,625,100

PRINTING HAMMER REBOUND PREVENTING MEANS

Harry M. Williams, Oakwood, and James E. Johnson, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 24, 1947, Serial No. 763,352
11 Claims. (Cl. 101-93)



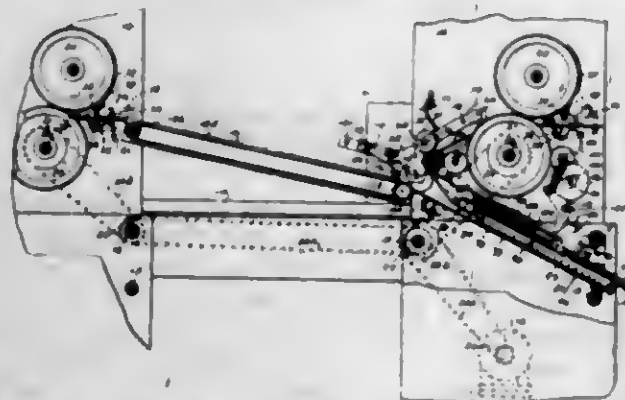
1. The combination of an impression hammer, type carriers located above the impression hammer, an actuator to impel the hammer against the underside of the type carriers, said hammer thereafter being free to fall back from the type carriers, and a dampening means consisting of a weight freely carried by the hammer so that when the hammer is arrested by striking the underside of the type carriers the weight is impelled against the under side of a surface on the hammer to dampen the return movement of the hammer, said weight thereafter being free to fall gravitationally to prevent rebound of the hammer toward the type carriers.

2,625,101

SHEET REVERSING MECHANISM FOR ROTARY PERFECTING SHEET PRINTING APPARATUS

Harry F. Gammeter, Cleveland Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application June 1, 1951, Serial No. 229,404
15 Claims. (Cl. 101-230)



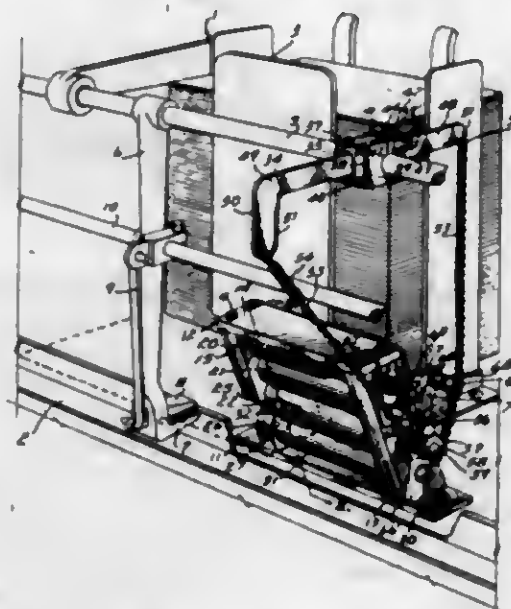
1. In a printing apparatus having a pair of horizontally spaced rotary printing couples, each couple including a drum adapted to carry an image to be transferred to a sheet to be printed and a platen drum mounted below the printing drum and coacting therewith, a sheet receiving

receptacle, means to receive sheets from the first printing couple and turn them face to face and forward them to the receptacle, said means comprising a roll, a pair of rollers coacting with said roll at circumferentially spaced points, said roll and one of said rollers being positioned to receive printed sheets from said couple, means to guide said sheets into the bite of said roll and the other roller, said roll and such other roller being positioned to guide the printed sheet into said receptacle with its printed surface down, means to eject said sheets one at a time from said receptacle in a direction reverse to that in which they enter the receptacle, and means to forward the ejected sheets one at a time to the second couple while maintaining the previously printed surface bottommost.

2,625,102

KEY INSIGNIA PRINTER

Ross E. Skow, Kansas City, Mo., assignor to Berkley Machine Company, Kansas City, Mo., a corporation of Missouri
Application August 23, 1950, Serial No. 180,963
10 Claims. (Cl. 101-232)



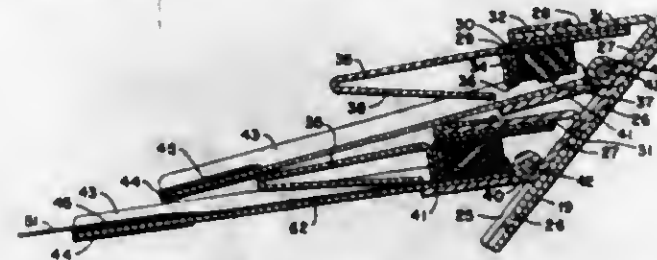
1. In an inserting and sealing machine a gathering conveyor, means for supporting a stack of inserts along side of the conveyor, an oscillatory shaft, a gripper on the shaft for moving an insert from a stack to said gathering conveyor, a printer in the path of the insert engaged by said gripper, a rock lever on the shaft having oppositely disposed arms, a drive sprocket on the printer, a chain operating over the drive sprocket and having ends attached to the arms of the rock lever for actuating the printer in synchronism with the gripper.

10. In combination with an inserting and sealing machine including a gathering conveyor, means for supporting a stack of inserts along side of the conveyor, and means for withdrawing inserts from said stack and depositing them on the conveyor, a printer in the path of the inserts as they are engaged by the withdrawing means, said printer including a frame having an open pass at one side in register with the path of the inserts withdrawn by the insert withdrawing means, printing impression rollers carried by the frame and located respectively on opposite sides of the pass to effect printing of the inserts, means connecting the printing and impression rollers, and an oscillatory driving means between the withdrawing means and the printing roller for operating said printer.

2,625,103

TICKET PRINTING MECHANISM

Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 4, 1950, Serial No. 153,853
4 Claims. (Cl. 101-297)

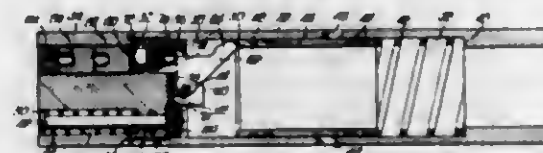


1. In a printing mechanism for printing supplemental data on a preprinted ticket, the combination of a plurality of tables, a frame on which the tables are supported, one adjacent the other, a hinge for each table, one strap of each hinge being secured to the support, said straps being located adjacent each other, a printing element mounted on each one of said straps, and a stop connected to each one of said straps to normally support an adjacent table, said tables adapted to selectively receive a ticket and thereafter movable on the hinges to bring the ticket thereon into printing contact with the printing element.

2,625,104

BLASTING SHELL AND TIMING MEANS THEREFOR

Kenly C. Bugg, Fort Wayne, Ind., assignor to Materials Blasting Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application February 4, 1950, Serial No. 142,512
19 Claims. (Cl. 102-25)

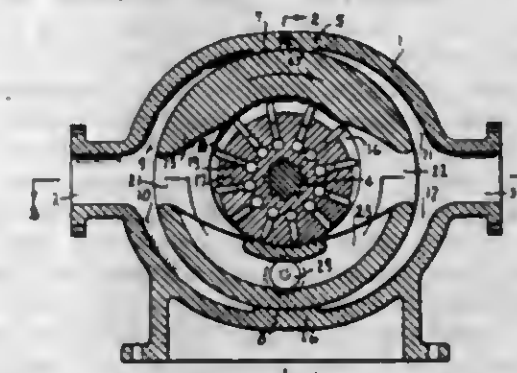


1. In blasting mechanism, the combination of a body member comprising an elongated substantially cylindrical member, said body member adjacent the inner end thereof being provided with means for connection to firing mechanism, an end closure for the outer end of said body member, said body member adjacent the inner end being provided with a cartridge recess, said recess being adapted to receive oxidizable pressure releasing means operable by said firing mechanism, said body member having a valve chamber communicating with said recess and closed by said end closure, said body member having radially disposed, rearwardly directed ports adapted to extend from said chamber through said body member, a sleeve valve slidably mounted in said chamber, resilient means between said sleeve valve and inner end of said body member normally urging said sleeve valve toward said end closure to thereby connect said chamber with said ports, latch means movable to position to latch said sleeve valve in position compressing said resilient means and cutting off communication between said chamber and ports, and time delay mechanism automatically operable after said firing mechanism has operated said pressure releasing means after a predetermined time for releasing said latch means to permit said resilient means to move said sleeve valve to connect said chamber and said ports.

2,625,105

SELF-REVERSING ROTARY PUMP

Louis Fincher, Lufkin, Tex.
Application June 10, 1949, Serial No. 98,287
5 Claims. (Cl. 103-3)

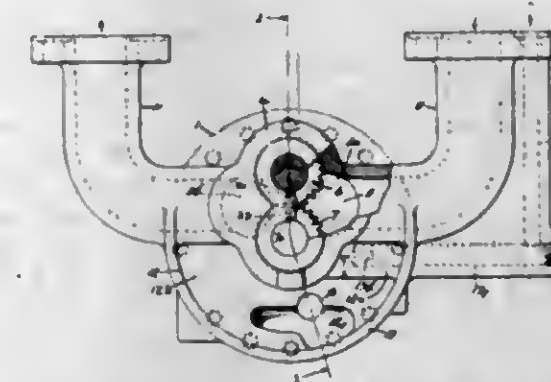


1. A self reversing pump to control the flow of an actuating liquid for a well pumping unit comprising, a housing, a flow chamber therethrough, an impeller rotatable in said chamber, a control member surrounding said impeller and constructed to determine the direction of flow of the liquid from said impeller, means supporting said impeller and said member and connected to positively drive said member and at a pre-determined rotational speed ratio relative to said impeller, control ports in said member for the inlet and outlet of liquid relative to said impeller, and means projecting into said housing from opposite sides thereof and with substantially common axis substantially perpendicular to the axis of said flow chamber to engage said member to divide said chamber into inlet and outlet portions depending upon the position of said member ports.

2,625,106

COMPOSITE PUMP FOR PRIME MOVER OIL SYSTEMS

Herbert N. Hoffman, Wakefield, Mass., assignor to General Electric Company, a corporation of New York
Application September 12, 1950, Serial No. 184,481
2 Claims. (Cl. 103-4)



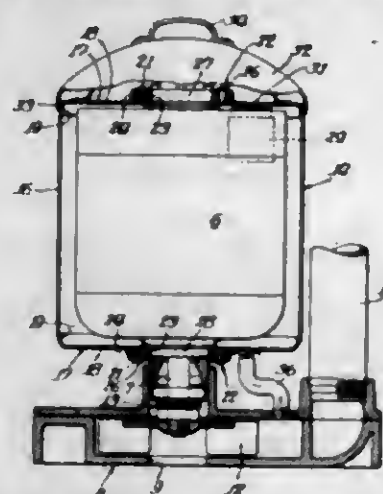
1. In a composite positive displacement-centrifugal pump, the combination of a positive displacement pump having at least one driven rotor member, first housing walls enclosing the rotor and defining inlet and discharge chambers associated with the rotor and journal means supporting the rotor, second centrifugal pump housing walls immediately adjacent the positive displacement pump and defining a central circular recess surrounded by an annular turbine-type pumping passage extending less than 360 degrees circumferentially, a turbine-type centrifugal pump rotor with a central hub portion disposed in said recess and a bladed rim portion projecting into said annular pumping passage, the positive displacement pump rotor having a shaft

extension supporting and driving the centrifugal rotor, said first and second housing walls defining passages adapted to supply liquid under pressure from the positive displacement pump to the central recess in the centrifugal pump housing, the centrifugal pump housing walls defining an inlet passage communicating between the central recess and the inlet end of the annular pumping passage, said second housing walls also defining a discharge passage communicating with the end of the pumping passage remote from said inlet, said first housing walls also forming a reservoir disposed above the level of the centrifugal pump and open to the atmosphere and having a passage connecting the lowermost portion thereof with the inlet end of the annular pumping passage, whereby when the rate of discharge from the centrifugal pump rotor is less than the rate of supply of liquid from the positive displacement pump to the centrifugal pump, the excess liquid fills the reservoir and overflows so as to maintain a constant static head at the inlet end of the centrifugal pumping passage and the circulation of excess liquid past the centrifugal rotor effects cooling thereof.

2,625,107

SUBMERSIBLE PUMP CONTROL

Edward J. Schaefer, Fort Wayne, Ind.
Application February 17, 1951, Serial No. 211,544
9 Claims. (Cl. 103-26)



1. In a motor driven sump pump, a pump unit, an electric motor connected to said pump unit, a casing structure around said motor to render the same submersible, a control switch for said motor within said casing structure, said casing structure including diaphragm means disposed in operative relation with said switch and deflectable in response to changes in liquid level outside said casing structure for actuating said switch, and means responsive to the liquid pressure at the discharge side of said pump unit for maintaining said diaphragm means in switch-actuating position as long as liquid is being discharged from said pump unit.

2,625,108

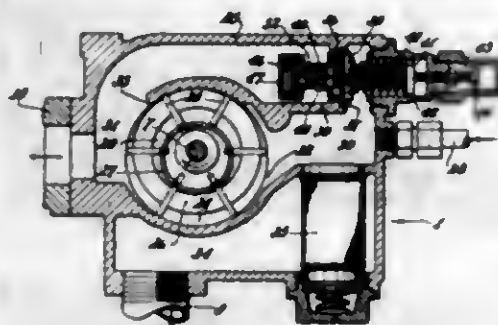
UNLOADING MEANS FOR GASOLINE DISPENSING PUMPS

Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application March 14, 1951, Serial No. 215,589
7 Claims. (Cl. 103-42)

1. In liquid dispensing apparatus, a positively-acting pump, suction and discharge conduits for the pump, a flow control valve in the delivery end of the discharge conduit adapted to be

maintained closed except during dispensing of liquid, a by-pass interconnecting the suction and discharge sides of said pump, a relief valve controlling the by-pass, a spring for holding the relief valve closed under a predetermined pressure greater than any that the pump can build up during dispensing while the flow control valve is open, a vent conduit connected at one



end to the discharge side of said pump and including a part having a cross-sectional area substantially restricted as compared to the cross-sectional area of the by-pass, a valve controlling the vent conduit, and a spring for holding the last-named valve open until the pump builds up a second predetermined pressure less than the dispensing pressure.

2,625,109

ROTARY HYDRAULIC PUMP

Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio, a corporation of Ohio

Application December 20, 1948, Serial No. 66,158
25 Claims. (Cl. 103-44)



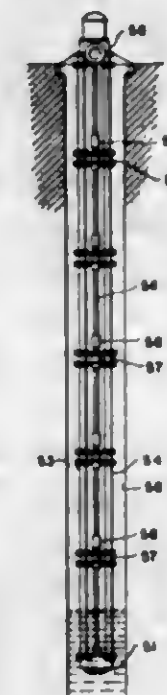
1. In a fluid-operated pump, the combination of: a chamber; cam means in said chamber; cylinder means providing at least two cylinders each having an end communicating with said chamber and facing said cam means; piston means in each of said cylinders and extending into said chamber into engagement with said cam means, said piston means being movable into said chamber to displace fluid therefrom, the interaction between said cam means and said piston means upon movement of said piston means into said chamber producing relative rotation between said cam means and said cylinder means; means for admitting fluid to be pumped into said chamber; and means for alternately connecting the other end of each of said cylinders to a source of operating fluid under pressure and to said chamber.

2,625,110

PUMP FOR VERTICAL MOVEMENT OF LIQUIDS

Otto Haentjens, Hazleton, and Walter D. Haentjens, Conyngham, Pa.

Application November 10, 1948, Serial No. 59,286
6 Claims. (Cl. 103-102)



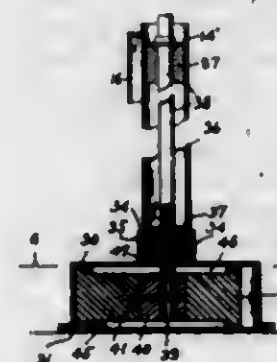
1. A pump for moving a fluid vertically and comprising a drive shaft, a pair of discharge tubes positioned symmetrically of said shaft on opposite sides thereof and extending in a vertical direction, a discharge head secured to said discharge tubes at the upper ends of same, said discharge head being provided with cleaning openings on the upper surface thereof in alignment with and of substantially the same size as said discharge tubes, said discharge head having a discharge opening in the side portion thereof, and means removably secured to said discharge head spaced from the discharge opening therein to cover said cleaning openings to permit convenient access to said discharge tubes without disassembly of the operating portion of the pump.

2,625,111

WATER PUMP

Carl H. Eisenhuth, Thermal, Calif.

Application November 19, 1948, Serial No. 60,981
1 Claim. (Cl. 103-132)



A water pump for air coolers comprising a casing including an upper wall having a cylindrical bore disposed vertically therein and a lower wall covering the casing therein, a radially slotted lug formed on the outer periphery of the casing and having adjacent inlet and outlet water passages formed therein on opposite sides of said radial slot therein and communicating with the bore of the casing, a cylindrical collar centrally

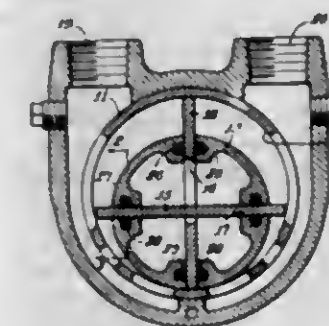
formed on the upper wall of the casing, an elongated tubular duct having its lower end secured in said cylindrical collar, a rubber bearing secured in the lower end of said tubular duct, an upper rubber bearing secured in the tubular duct inwardly of its upper end, a rubber roller disposed in the bore of the casing with edge portions of its upper and lower surfaces bearing against said upper and lower walls of the casing and having depressed areas inward of its edge portions spaced from said walls of the casing and forming water receiving pockets therebetween, an elongated cam rotatably mounted in said roller and having an annular groove in its periphery communicating with the aforesaid pockets, a vertically disposed drive shaft fixed to the cam and extending through said rubber bearings in the tubular duct and having an axial water passage in its lower end communicating with the pockets in the roller and with the tubular duct at a point above the lower bearing therein, a rubber partition fin formed on the periphery of the roller and having a cylindrical outer end slidably seated in the aforesaid slot between said inlet and outlet water passages in the lug on the periphery of the casing and forming a water seal between the water receiving and discharge areas in the casing, a water inlet passage formed in the roller and forming communication between the aforesaid groove in the cam and the bore of the casing in the region of the fin and water outlet passage in the aforesaid lug, and power transmitting means connected to the outer end of the shaft.

2,625,112

ROTARY IMPELLER PUMP

Carl J. Stuban, Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application December 24, 1948, Serial No. 67,111
2 Claims. (Cl. 103-138)

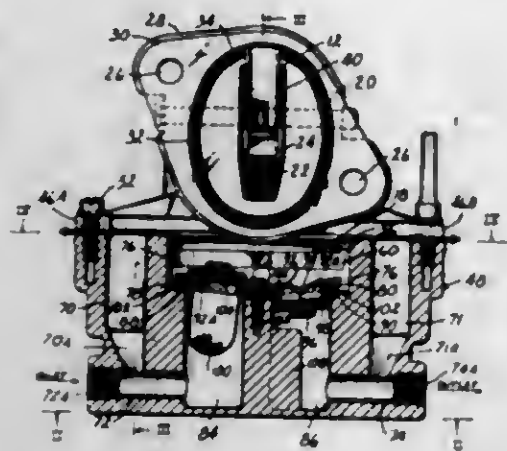


1. A rotary impeller pump including a rotor having a radially extending slot formed therein, and impeller vanes slidably disposed in said slot, a side wall of said slot having a laterally extending recess formed therein, a sealing shoe in said recess, and resilient means associated with said shoe for urging said shoe into contact with the side of said vane, said shoe comprising an elongated bar having a substantially rectangular cross-section and a shoulder formed adjacent each end for retaining the resilient means in position, the shouldered portion of said sealing shoe having a greater over-all height than the depth of said recess, whereby said shoe projects from said recess under all operating conditions of said pump and said resilient means comprising an elongated, generally flat spring having a substantially sinusoidal longitudinal configuration so as to provide a plurality of spaced contacts with the base of said shoe and the adjacent base of said recess whereby said shoe is uniformly urged into contact with said vane.

2,625,113

FUEL PUMP

Kenneth I. Robinson and Chester Cipriani,
Toledo, Ohio
Application June 18, 1949, Serial No. 100,048
3 Claims. (Cl. 103—150)



1. In a pump, a flexible diaphragm, a lost-motion driving connection for the diaphragm cooperating with a continuously rotating cam means for displacing the diaphragm providing a positive suction stroke for the diaphragm, resilient means cooperating with the diaphragm adapted to be compressed by the lost-motion driving connection during the suction stroke to provide a feed stroke for the diaphragm upon the return stroke of the driving connection, a pump casing positioned below the diaphragm comprising a one-piece die casting having a shallow central recess to form a pumping chamber and a pair of deep flanking recesses to form air domes, all of said recesses being sealed by the diaphragm, a valve recess in the pumping chamber, inlet and outlet ports in the casing passageways in the pump casing including deep depending wells connecting the valve recess in the pumping chamber with inlet and outlet ports in the pump casing, valves positioned in said valve recess, the pumping chamber being proportioned with reference to the diaphragm displacement including the valve recess to give a two to one compression ratio, said flanking recesses in the casing being in parallel relation to the depending wells and in communication with the passageways leading to said inlet and outlet ports by means of conical passages in the casing which communicate with enlargements in the flanking recesses at a level below the valves whereby air domes are provided having a volume at least 75 per cent of the displacement of the pumping chamber.

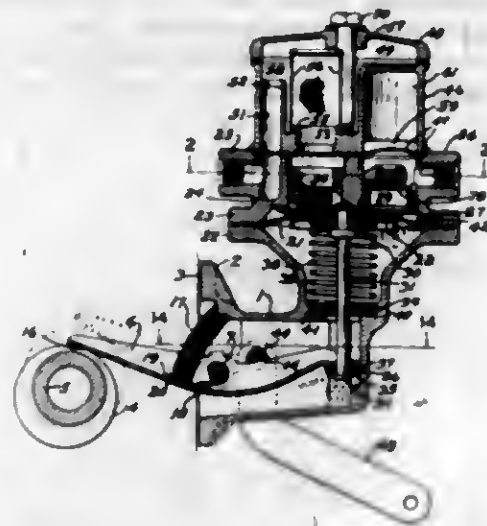
2,625,114

FUEL PUMP

Irven E. Coffey, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application February 17, 1947, Serial No. 728,979
21 Claims. (Cl. 103—150)

1. In a fuel pump, a pumping chamber having movable and stationary walls, dome structure formed on said stationary wall opposite said movable wall, an outlet valve mounted in said stationary wall adjacent said dome structure, a flexible diaphragm extending across said dome structure, and a fluid connection in said dome structure, there being an unobstructed path, directly between said connection and said valve and the axis of said connection being in a plane offset substantially from the axis of said valve whereby

the pumped fluid emerging from said outlet valve is substantially unaffected by the stream of fluid



entering said connection from said dome structure.

2,625,115

DOUBLE-ACTING RECIPROCATING PUMP

Harry P. Maloney, Santa Ana, Calif.
Application April 20, 1948, Serial No. 22,173
2 Claims. (Cl. 103—175)



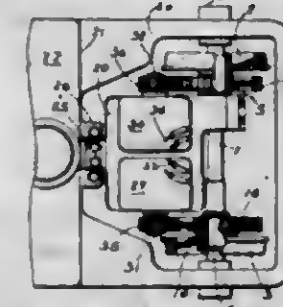
1. In a pump of the class described, a pump cylinder adapted to be disposed upright and including a pair of aligned upper and lower half sections having confronting inner ends, a packing ring assembly interposed between said ends of the sections and forming therewith a plunger chamber, means coupling the inner ends of said sections together and clamping said assembly between said ends, a pump plunger in said chamber of smaller diameter than the same spaced from the wall of the chamber by said assembly, a plunger rod extending from one end of said plunger out of the outer end of one section for reciprocating said plunger, and means to introduce liquid into the outer ends of said sections and discharge the same therefrom under suction and compression in said ends respectively, said assembly including a pair of packing rings with upturned and downturned flexible lips projecting into the chamber and extending axially along the plunger in the space between the plunger and the inner wall of the chamber and each frictionally gripping said plunger during movement of the plunger in one direction while the other flexes out of friction gripping engagement with said plunger, and circumferentially spaced guide lugs on said plunger adjacent opposite ends

thereof slidably engaging said wall and preventing side play of said ends when said ends are remote from said assembly.

2,625,116

LOCOMOTIVE WHEEL AND AXLE DRIVE ASSEMBLY

William Dalton, Schenectady, N. Y.
Application April 2, 1949, Serial No. 85,137
3 Claims. (Cl. 105—96.2)

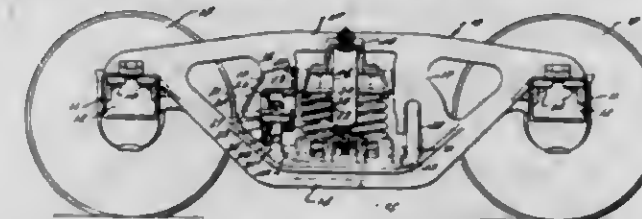


1. A locomotive truck comprising a plurality of wheel and axle assemblies, each assembly having a wheel fixedly secured to the axle and a wheel freely rotatable in reference thereto, a truck frame supported on the axles, a transom forming part of the truck frame, a motor supporting frame one end of which is supported upon an axle and the other end of which is supported by the transom, and independent power units arranged upon the motor frame, one of which is operatively arranged to drive the axle and the other of which is operatively arranged to drive the freely rotatable wheel.

2,625,117

MOUNTING OF PLANK ON SWING HANGERS FOR RAILWAY TRUCKS

William Van Der Sluys, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 23, 1948, Serial No. 4,007
19 Claims. (Cl. 105—208)

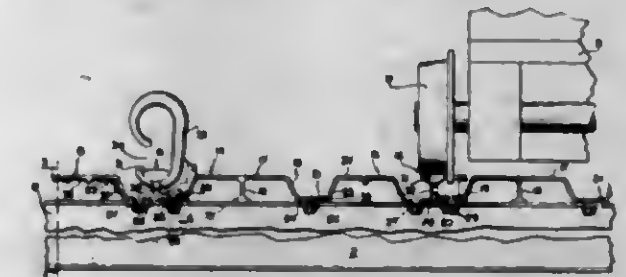


1. In a railway truck comprising spaced side members and a pair of relatively rigid swing hangers, each hanger having a pair of spaced legs and a connecting base, means pivotally mounting the legs of one swing hanger on each side member, a plank extending between the side members and having near its ends transversely extending grooves engaged by the spaced end portions of the swing-hanger bases and formed so as to be free of engagement with the central portions of the swing-hanger bases, the plank, the swing hangers, and the means mounting the swing-hanger legs on the side members preventing substantial unsquaring of the side members and constituting the only means for this purpose, the plank being free of any association with the side members tending to prevent unsquaring thereof except by way of the swing hangers and the mounting means for the swing-hanger legs on the side members, said plank further being of less width across its mid-length than across its end portions to provide a relatively low torsional rigidity in the plank to improve side frame equalizing action.

2,625,118

AIRCRAFT CARGO FLOOR

Albert J. Lechner, North Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application March 22, 1949, Serial No. 82,742
6 Claims. (Cl. 105—367)

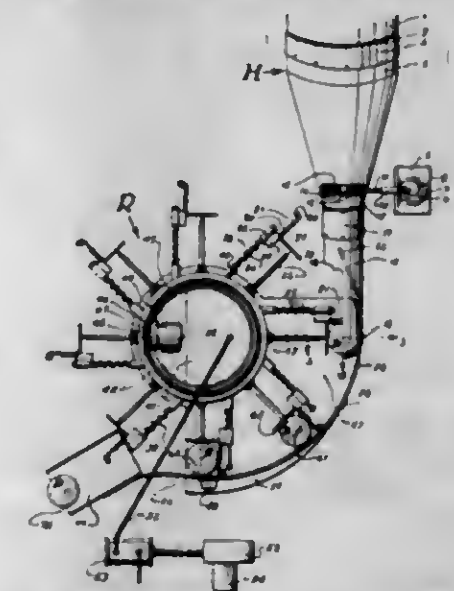


1. A floor assembly for use upon a sub-structure on a cargo vehicle, comprising a plurality of elongate floor sections arranged in parallel relation, each section comprising a horizontal web-portion, two longitudinally-extending downwardly-projecting side portions at the lateral edges of said web portion and two longitudinally-extending, horizontal edge flanges along the longitudinal bottom edges of said side portions, said horizontal web portions all lying in the same plane, and the adjacent side portions of adjacent floor sections being spaced apart, and longitudinally extending rails arranged parallel to said floor sections and disposed between adjacent side portions of adjacent floor sections, each of said rails having a vertical web portion and a head portion, the web portions of the rails being spaced from the adjacent side portions of the floor sections to provide channels for flanged wheels to roll on the head portions of said rails, said web portions of the rails having means below the plane of said horizontal web portions to cooperate with cargo hold-down means.

2,625,119

AUTOMATICALLY OPERATING MACHINE FOR FILLING BAKED ARTICLES WITH FLUID MATERIAL

Milton S. Jennings, New York, N. Y.
Application March 15, 1950, Serial No. 149,729
6 Claims. (Cl. 107—1)



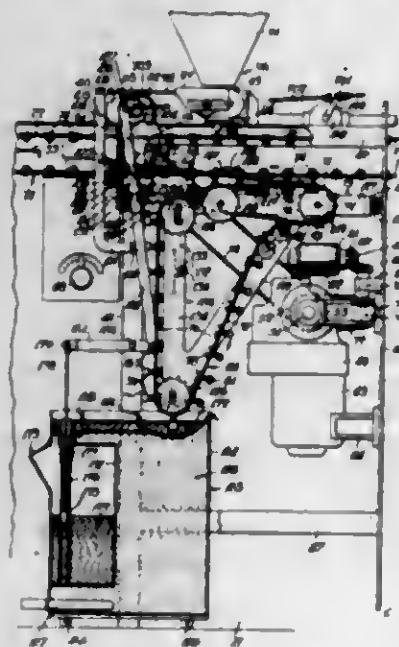
1. In an automatically operating machine for filling baked articles with a fluid filling material, a reservoir for the fluid material, a rotatable ring surrounding said reservoir, said ring having a plurality of equidistantly, circumferentially disposed injection needles, said reservoir having a port to communicate with one of said

needles, means to impale said baked articles one at a time to each of said needles, said means comprising a slideable member affixed to the said rotatable ring for holding the article and positioned rearwardly of the needle, and an arcuate shield of diminishing radius whereby rotational movement of the ring forces the article onto the needle thereby to achieve the penetration of article to a predetermined point; and means to exert pressure on the fluid material in the reservoir whereby the fluid material will enter the article when the aforesaid port and needle are in registry.

2,625,120

AUTOMATIC FROZEN CONFECTION MAKING APPARATUS

Robert F. Eddy and Allan F. Eddy,
San Marino, Calif.
Application July 1, 1950, Serial No. 171,618
31 Claims. (Cl. 107-8)



1. In a machine for harvesting frozen products, in combination, an endless main conveyor having a plurality of open-top molds for frozen products, said conveyor operating with its molds upright during the filling operation and with its molds inverted during the removing operation, an endless second conveyor operating in synchronism with said main conveyor adjacent the inverted molds thereof, said second conveyor having engaging devices aligned with the inverted molds on the main conveyor, and means for breaking the bond between the products and their respective molds whereby they are freed for removal by the engaging devices of the second conveyor.

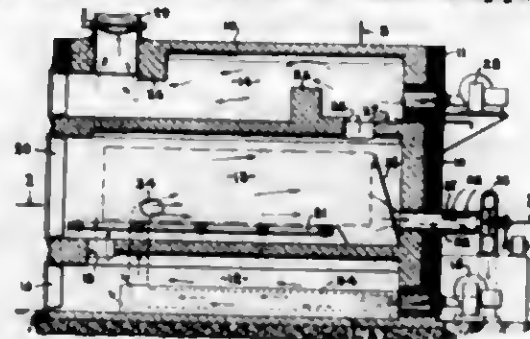
2,625,121

METHOD AND APPARATUS FOR CONSUMING BODIES

Leonard H. Vanderwerf, New York, N. Y.
Application April 22, 1948, Serial No. 22,693
12 Claims. (Cl. 110-3)

1. A method of consuming a body, without flame comprising burning a fuel in a retort with a limited amount of outside air the products of which burning provides an atmosphere having a temperature which will volatilize the volatilizable matter of a body and having no or an insufficient amount of free oxygen to cause flaming of the body, passing the atmosphere directly over the body to volatilize the volatilizable portion thereof, excluding excessive free oxygen from the atmosphere to prevent flaming of the body while

passing over the body, conducting the volatilized gases away from the body and supplying an

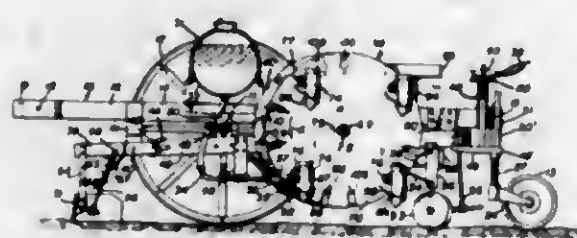


oxidizing atmosphere to the volatilized gases to consume the same.

2,625,122

PLANT SETTING MACHINE

Claude L. Carelock, Douglas, Ga.
Application January 10, 1947, Serial No. 721,244
2 Claims. (Cl. 111-3)



1. In a plant setting machine, a rotary plant setting wheel mounted upon a transverse horizontal axis and including spaced disks and a plurality of spaced open-top bottom-opening plant-receiving dibble-type buckets pivotally mounted between said disks adjacent the periphery thereof, means operatively connected to said buckets to maintain them in an upright position during rotation of the wheel, and means for successively opening said buckets to deposit plants in the ground as each bucket arrives at its lowermost position during rotation of the wheel, each bucket comprising an elongated tube pointed at its lower end and having a bottom opening disposed at an acute angle relative to the longitudinal axis of the tube, a closure for said bottom opening, means mounting said closure for pivotal and vertical swinging movement relative to said tube, said last-named means including a ball embracing said tube and pivoted thereto for vertical swinging movement, said closure being pivoted on said ball, said means for opening said buckets including a crank fixed to said ball and a cam mounted adjacent the lowermost portion of said wheel in the path of said crank to contact and swing the same as each bucket arrives at the aforesaid lowermost position.

2,625,123

PLANT BED STERILIZER

Hillen J. Morgan, La Plata, Md.
Application May 14, 1948, Serial No. 27,118
2 Claims. (Cl. 111-7.1)



1. In apparatus for steam sterilization of soil, a flat top portion, a skirt of uniform length secured to and depending from the perimeter edge of said top portion and having its lower edge in a horizontal plane, depending hollow lines secured to the top portion within the skirt and having

lateral jet openings at their lower ends, said jet openings being disposed generally in the plane of the lower edge of the skirt, and steam supply means communicating with said hollow lines.

2,625,124

SHOE SEWING MACHINE

Alfred R. Morrill, deceased, late of Woodstock, Vt., by Ruth W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application May 15, 1946, Serial No. 669,830. Divided and this application October 27, 1948, Serial No. 56,768
4 Claims. (Cl. 112-55)

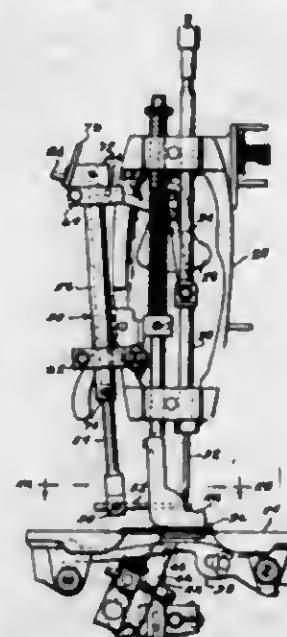


1. In a machine for operating upon shoes, an in-seam shoe sewing mechanism having a sewing head and sewing devices mounted on the sewing head which comprise a curved hook needle arranged to enter the welt side of the work and to emerge in the stitch receiving channel, a rotary looper movable forwardly in a counter-clockwise direction to loop the thread to that side of the needle hook adjacent the completed stitches of the seam when the needle is through the work, a thread finger moving to engage a portion of the thread extending between the needle and the work and to draw thread in the line of feed away from the completed stitches of the seam, a thread take-up from which the thread passes to the looper, and actuating means for said sewing devices.

2,625,125

LOOP-FORMING ATTACHMENT FOR TUFTING MACHINES

Willie V. Williams, Dalton, Ga., assignor to Russell-Lacey Manufacturing Company, a corporation of Georgia
Application April 4, 1950, Serial No. 153,959
8 Claims. (Cl. 112-79)



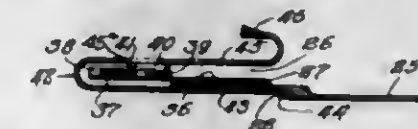
1. In a tufting machine of the type having a reciprocating needle driven from a crank mechanism, the improvement which comprises a looper bar, a support shaft carrying said looper bar, a

support bracket mounted on said machine for rocking motion about an axis at right angles to the direction of reciprocation of said needle, said support bracket carrying said support shaft for oscillating movement about its longitudinal axis, and means connecting said crank mechanism to said support bracket for rocking said bracket and for oscillating said support shaft in said bracket in timed relation to the reciprocation of said needle whereby said looper is shifted laterally in one direction for clearing said needle while advancing to loop-forming position, and is shifted laterally in the opposite direction on its reverse stroke to pass beneath the needle and engage the yarn to form a loop.

2,625,126

APPARATUS FOR FORMING SEALED LAP SEAMS

John Herman, Chicago, Ill., assignor to J. W. Johnson Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1948, Serial No. 59,633
11 Claims. (Cl. 112-147)

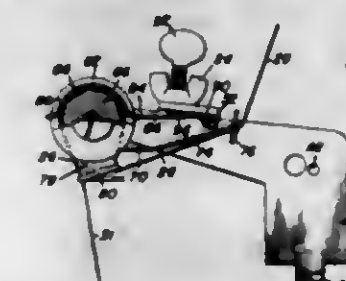


1. A fabric guide assembly adapted to be mounted immediately forward of the stitcher head of a sewing machine, comprising: a horizontal L-shaped main plate, the outer corner of said L being mitered; guide means to retain a moving tape close adjacent one surface of said plate on the first arm of the L; a guide bar spanning said mitered corner whereby said moving tape may be guided around said corner to the second arm of the L adjacent the opposite surface of said plate; a spacer plate spanning said second arm of the L to form a tape take-off guide slot therewith; and guide means having upper and lower horizontal U-shaped fabric guide slots formed therein, one having its inner surface beneath the second arm of the L and the other having its inner surface formed by said spacer plate, and said fabric guide slots having their open sides oppositely disposed so that two pieces of fabric may be guided to the stitcher head with their seam forming edge portions in overlapping relationship and the tape therebetween.

2,625,127

ATTACHMENT FOR SEWING MACHINES

Rudolf H. Eckardt, Nutley, N. J.
Application January 9, 1951, Serial No. 205,174
3 Claims. (Cl. 112-152)



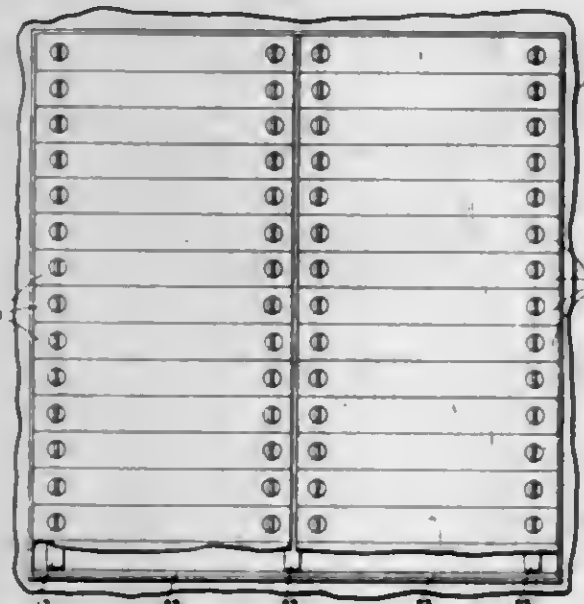
1. A tape guiding and tensioning device for attachment to the head of a sewing machine comprising a bracket including an arm, means attaching said bracket to said head with the arm extending forwardly of said head, a pin extending laterally from said arm, a spindle rotatable on said pin and including a pair of spaced disks and

over which the tape is adapted to be trained between said disks, tape supplying means for feeding the tape to said spindle, tape guiding means for guiding the tape to and from said spindle including an elongated rod resting on the pin and extending laterally thereof and secured to said arm and having a pair of terminal tape guiding loops one behind said spindle and the other beneath said spindle, and means for tensioning the tape against the spindle carried by said arm.

2,625,128

ROLLER HATCH BEAM

George Sipkin, Washington, D. C.
Application August 19, 1948, Serial No. 45,165
15 Claims. (Cl. 114-201)
(Granted under Title 35, U. S. Code (1952),
sec. 266)

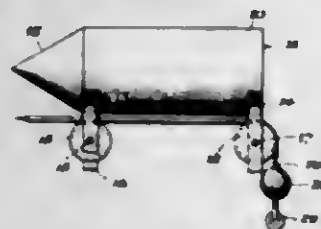


2. In combination, a hatch beam, a hatch framing, a track mounted on said framing, supporting and rolling units on each end of the beam comprising movable arms pivoted to said beam at a point spaced from the ends of said beam, a plurality of rollers mounted on the free ends of the pivoted arms and adapted to engage said track, an inclined cam surface supported by each of said arms, and a lever having transversely extending portions between and engaging the said cam surface and the beam for raising and lowering the said beam.

2,625,129

BUOY-TYPE DETECTOR CARRIER

John W. Flude, Houston, Tex.
Application March 7, 1942, Serial No. 433,731, now
Patent No. 2,423,591, dated July 8, 1947, which
is a division of application Serial No. 295,198,
September 18, 1939, now Patent No. 2,283,200,
dated May 19, 1942. Divided and this applica-
tion May 28, 1947, Serial No. 750,943
4 Claims. (Cl. 114-235)



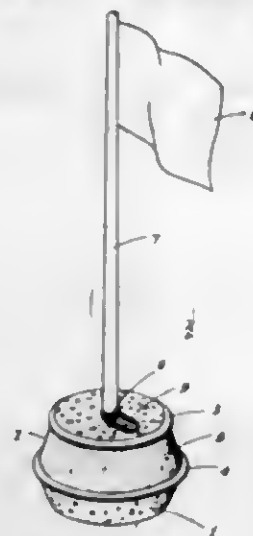
1. An apparatus for underwater seismographic exploration, comprising in combination, a float, a towing cable, a seismic detector secured to one end of the cable, sheaves secured to the underside

of the float, said cable being threaded through the sheaves so as to permit the cable to run freely therethrough and deposit the detector upon the surface to be explored.

2,625,130

REFLECTIVE MARKER

Welton L. Morser, Merced, Calif.
Application January 10, 1951, Serial No. 205,339
1 Claim. (Cl. 116-63)

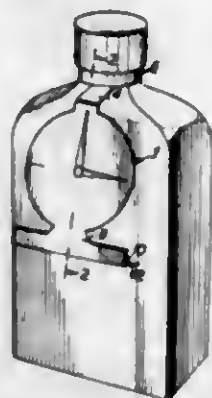


A road marker comprising a portable but relatively heavy cylindrical body, the upper portion of the concrete body tapering toward the top, said tapered portion having upper and lower edges defined by annular outwardly projecting shoulder elements whereby the outer surface of said tapered portion of the body between said elements is relatively recessed, and a light reflective material applied to said relatively recessed surface for its full circumference; the concrete body and said tapered upper portion thereof being matchingly engaged by a metallic band of substantial width vertically, said band having initially radially inwardly opening beads deformed outwardly at the upper and lower edges of said band, said beads comprising the shoulder elements, and the concrete of the body being cast in the band and extending into said beads in holding relation.

2,625,131

INDICATING DEVICE FOR MEDICINE BOTTLES

Edward M. Sturhahn, Washington, D. C.
Application June 27, 1950, Serial No. 170,535
2 Claims. (Cl. 116-121)



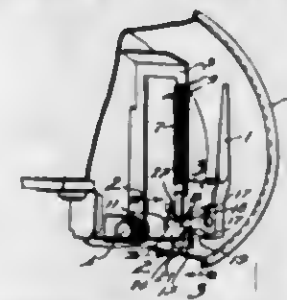
1. As an article of manufacture, a time indicating device comprising a face portion, at least one indicating member adapted for cooperation with said face portion and movement with respect thereto, an integrally formed member extending rearwardly from said face portion at a point which is adjacent the upper end thereof, inte-

grally formed means extending from said last-named member for at least partially embracing the neck of a bottle, an elongate panel member integrally formed with the lower end of said face portion and extending at substantial right angles with respect thereto, and an integrally formed foot member extending rearwardly from said elongate panel member.

2,625,132

ELECTRIC GAUGE MECHANISM

Leonard Boddy, Ann Arbor, Mich., assignor, by
mesne assignments, to The Anderson Company,
Gary, Ind., a corporation of Indiana
Application December 9, 1948, Serial No. 64,357
5 Claims. (Cl. 116-129)

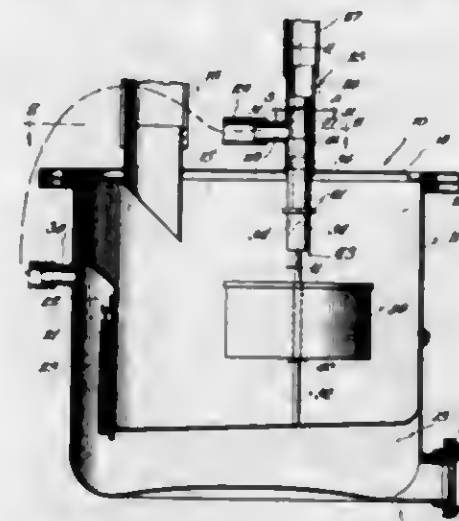


1. In an indicator mechanism, the combination of an elongated pointer having a transverse flange, a substantially U-shaped hairpin having its legs secured to the side edges of said flange, an actuator member having a hook portion engaged with one leg of the hairpin, and a tensor member having a hook portion engaged with the other leg of the hairpin.

2,625,133

MILK RELEASER

Harold W. Hein, Chicago, Ill., assignor to Inter-
national Harvester Company, a corporation of
New Jersey
Application October 28, 1950, Serial No. 192,769
5 Claims. (Cl. 119-14.07)



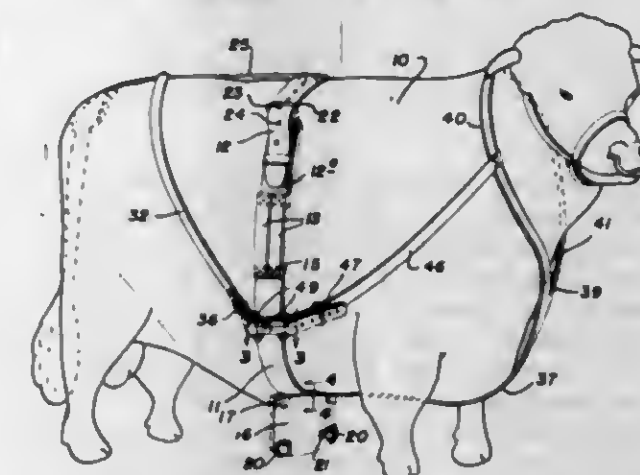
1. A milk releaser comprising a container having an upper chamber and a lower chamber, a milk inlet connection on said upper chamber, said upper chamber having a milk outlet opening in a lower portion thereof, a flap valve hingedly connected over said outlet opening, said flap valve being positioned in said lower chamber and adapted to close the milk outlet during a pressure differential between the upper and lower chambers, a milk outlet connection on said lower chamber, a valve structure for said upper chamber, said structure including a tubular valve member having an open end adapted to connect to a source of vacuum, said valve member having openings in communication with the atmosphere, a vacuum connection communicating with the

interior of the valve member, said vacuum connection including a conduit in communication with the lower chamber, a slide valve movable within said tubular valve member, said slide valve having a longitudinally extending bore communicating with the upper chamber and the open end of the valve member to provide for minus pressure within the upper chamber, passage means on said slide valve movable with said slide valve to connect said atmosphere openings with said vacuum connection during one position of said slide valve, whereby the upper chamber is subjected to minus pressure and the lower chamber is subjected to atmosphere, a laterally extending bore in said slide valve communicating with said longitudinal bore, said laterally extending bore being movable into communication with said vacuum connection during a second position of said slide valve, and means for moving said slide valve to the second position including a float connected to the slide valve below the point of communication of said laterally extending bore with said upper chamber, said float being responsive to the rise of the liquid in said upper chamber to move said slide valve whereby the pressure between the upper and lower chambers is equalized and the liquid gravitates through the outlet to said lower chamber.

2,625,134

ANTIBREEDING SHIELD AND HARNESS FOR BULLS

John E. Massey, North Garden, Va.
Application January 10, 1951, Serial No. 205,385
3 Claims. (Cl. 119-143)



1. An anti-breeding shield and harness for bulls comprising cooperating belly and back bands, a crupper strap affixed at its forward end to the back band and having means for passing about the tail of the bull, a neck yoke, rear strut straps affixed to said crupper strap rearwardly remote from said back band and having other forward ends connected to said belly band, front strut straps affixed to the sides of said yoke at their forward ends and connected to said belly band at their rear ends, a shield hingedly suspended from said belly band for forward swinging movement and means operatively engaging said shield for locking said shield in a forward raised position.

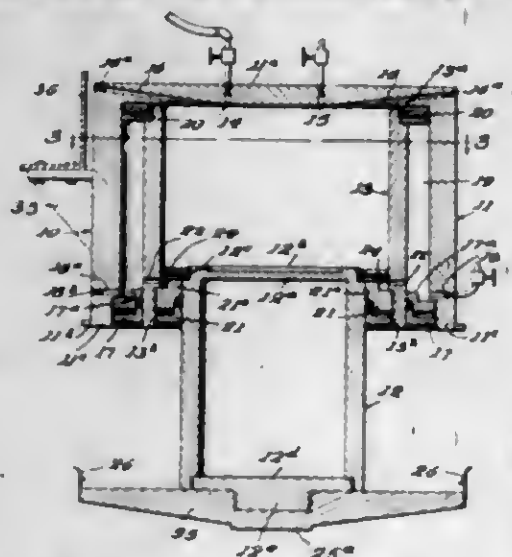
2,625,135

TELESCOPIC PISTON TYPE LIFTING JACK

William E. Pitts, Bloomington, Ind.
Application April 8, 1949, Serial No. 86,230
5 Claims. (Cl. 121-46)

1. The combination with a vehicle, of a lifting jack assemblage permanently mounted thereon, said assemblage comprising three coaxial sections

relatively movable telescopically into and out of a nested relation with the outer section permanently positioned on the vehicle, said sections being in concentric spaced relation with the spacing provided by flanges carried by section end zones to form end closures for the respective spaces, opposite spacing members of a space being relatively movable by section telescoping movement to permit variations in volumetric space dimensions in the direction of the axis of the section telescoping movements, the lower zone of the intermediate section above and in the vicinity of the spacing flange being perforated to permit communication between such spaces while the intermediate section is in nested position, the assemblage having the outer section as open-bottomed, the intermediate section as open-ended both top and bottom and the inner section having a closed top and bottom, and controllable independent fluid pressure supply and exhaust means carried by the outer section, said means including a supply and an exhaust carried by the top in a mid-zone of the outer section and a fixture serv-



iceable both for exhaust and supply positioned in the lower zone of a side wall of such outer section, said assemblage having the top face of its inner section formed to annularly contact-engage the inner top face of the outer section beyond such mid-zone of the latter when the sections are in nested relation, the inner section top face having a depressed mid-zone accessible to the fluid pressure supply in such nested relation, to thereby restrict initial fluid pressure activity solely to the closed top zone of the inner section, said assemblage having a service regimen consisting of a stage expanding cycle and a stage nesting cycle with the sections in nested relation during service inactivity, said assemblage regimen being characterized in that the initial stage of the expanding cycle presents the inner section as the sole moving section of the assemblage with the movement extending throughout the individual stroke length of the section, the movement of said inner section in its nesting direction constituting the sole moving section during the final stage of the nesting cycle of the regimen with the movement extending substantially throughout the individual stroke length of the section.

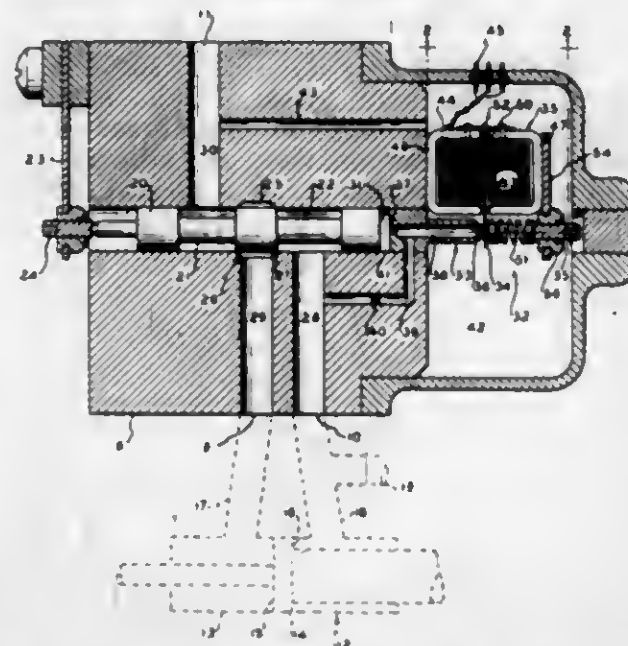
2,625,136

ELECTROHYDRAULIC SERVO MECHANISM
William C. Moog, Jr., East Aurora, N. Y., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York

Application April 26, 1950, Serial No. 158,268
6 Claims. (Cl. 121-46.5)

1. An electro-hydraulic servo valve comprising a valve body having pressure fluid control ports,

a valve member movably mounted in a bore in said body for controlling the flow of fluid through said ports, a pressure fluid chamber, a restricted orifice connecting the pressure fluid chamber and the bore in the valve body, means biasing said valve member in the direction of said restricted orifice, means for introducing pressure fluid directly into said chamber, and means for

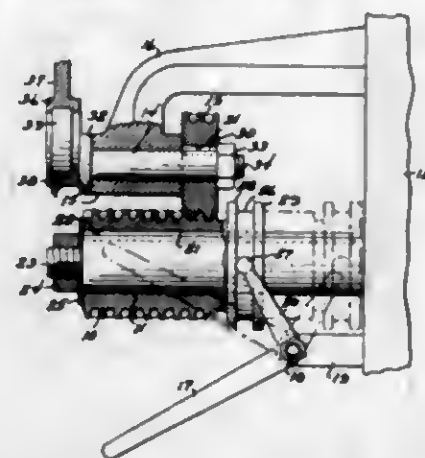


varying the pressure in said chamber, comprising an orifice communicating with said chamber and in fixed position relative thereto, a pressure reaction member positioned adjacent said orifice, spring means biasing said pressure reaction member in the direction of said orifice, and an electric motor for varying the force of said pressure reaction member in response to an electric signal applied to said motor.

2,625,137

STEAM ENGINE SLIDE VALVE CONTROL DEVICE

Alfred McMillan, New York, N. Y.
Application November 21, 1950, Serial No. 196,793
2 Claims. (Cl. 121-171)



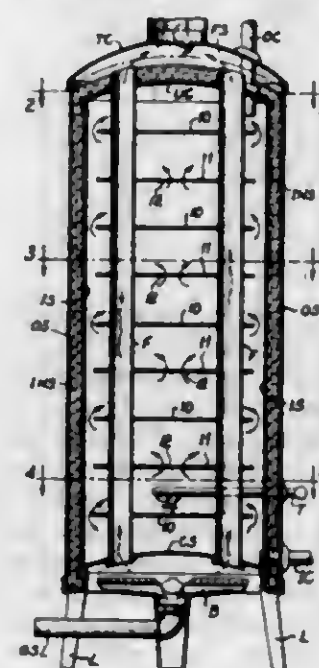
1. In a steam engine valve control, an engine housing, a crank shaft journaled in the housing and having an extended end, a slide valve mounted on the housing controlling steam to the engine, an elongated spiral gear having a clutch collar on one end slidably mounted on the extended end of the crank shaft and positioned to be moved longitudinally of the shaft, an eccentric for actuating the slide valve of the engine, an eccentric shaft journaled on the housing and positioned in spaced relation and parallel to the extended end of the crank shaft, a pinion on the eccentric shaft meshing with the said elongated

spiral gear, and a hand lever pivotally mounted on the housing and having a pin on an extended end thereof positioned to engage the collar on the end of the elongated spiral gear for actuating the said gear.

2,625,138

STAND BOILER WITH VERTICAL FIRE TUBES AND HORIZONTAL WATER BAFFLES

Samuel J. Jacoby, St. Louis, Mo.
Application January 2, 1951, Serial No. 203,945
1 Claim. (Cl. 122-17)



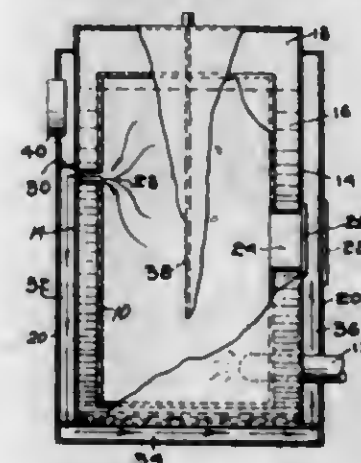
In a storage type water heater characterized by a vertical tank, the tank consisting of double spaced walls and provided with thermal insulation between said walls, a crown sheet at the lower portion of the water-containing portion of the tank, a plurality of fire tubes extending through the crown sheet then vertically through the water storage space of the tank, a flue space provided above the fire tubes, an outer flue directed from said flue space, water inlet and outlet connections to the water space of the heater, a series of vertically spaced substantially horizontal plates serving as baffles located in the water space of the tank, each of said baffles conforming substantially in shape to the section of the water-confining wall of the tank, but being appreciably spaced inwardly therefrom, and each apertured to receive and closely to embrace the several vertical fire tubes, the lowermost of the plates of said series being imperforate except for flue tube apertures therein, and providing with the crown sheet, a substantially closed, cold-water-tempering chamber open only peripherally of the lowermost plate into the storage space thereabove, the water inlet connection opening into the tempering chamber, the next superjacent baffle plate being provided with a central aperture equidistantly spaced from the several flue tubes and substantially remote therefrom, the remaining baffle plates of said stack being alternately imperforate and perforate as described, apart from flue openings therein, whereby to promote a circulation of heated water alternately toward the outside of the tank, then toward the interior of the tank, thus providing a zig-zag path of travel of heated water upwardly of the tank; the several flue tubes having their exterior surfaces within the tank directly exposed to the body of water therein, and a tank thermostat having a sensing element extended inwardly of the tank to the axial region thereof,

and vertically intermediate the lowermost and next superjacent baffle plates, the sensing element being responsive to the temperature of water immediately subsequent to its emission from the tempering chamber and immediately prior to its passage through the central aperture of the said superjacent baffle plate, whereby to contribute to better heating efficiency and greater uniformity of water temperature throughout the tank.

2,625,139

HEAT SAVING FURNACE

Eero V. Langen, Fitchburg, Mass.
Application February 20, 1951, Serial No. 211,863
1 Claim. (Cl. 122-158)



A furnace of the class described comprising a plurality of nesting completely separated chambers, a series of walls forming one of said chambers as a firebox, a second series of walls completely surrounding the firebox in spaced relation thereto and forming an intermediate chamber about the firebox, a third series of walls substantially surrounding the intermediate chamber and forming a flue gas chamber, a passage directing the flue gases from the firebox through the intermediate chamber into the flue gas chamber, said flue gas chamber comprising exhausting means directing said gases down under the bottom of the intermediate chamber, across the bottom, and upwardly at the front portion of the furnace, said means including a horizontal baffle across the entire rear portion of the flue gas chamber above the passage, vertical baffles at the corners of the rear portion of the flue gas chamber extending from the baffle to the bottom of the flue gas passage, and partitions preventing dispersion of the flue gases at the front of the furnace, said partitions terminating short of the top of the flue gas chamber at the front, so that the gases may be divided and flow over the sides of the intermediate chamber, and means directing the gases to the flue at the rear of the furnace.

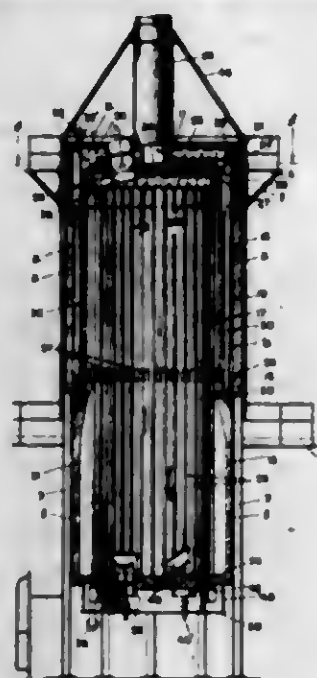
2,625,140

FURNACE CONSTRUCTION

Horace M. Weir, Merion, Pa.
Application September 14, 1949, Serial No. 115,731
12 Claims. (Cl. 122-333)

1. A furnace construction comprising a substantially cylindrical combustion chamber, a bank of vertical interconnected tubes positioned adjacent the inner periphery of said combustion chamber, burners at the upper and lower ends of said combustion chamber for heating said combustion chamber, a convection chamber surrounding said combustion chamber, ports in said combustion chamber positioned in the medial zone thereof communicating with said convec-

tion chamber to permit combustion gases to pass therethrough into the convection chamber, whereby said combustion gases flow transversely of said vertical tubes, and a bank of vertical inter-



connected tubes positioned in said convection chamber to absorb heat from the combustion gases passing through said convection chamber and communicating with the bank of tubes in said combustion chamber.

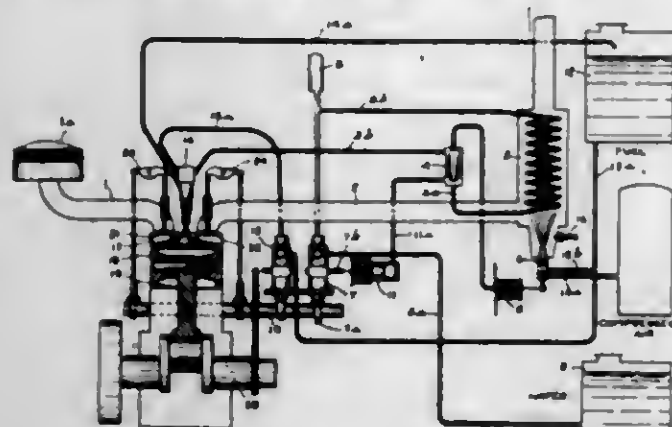
2,625,141

FUEL INJECTION METHOD

Martin J. Berlyn, Suffield, Conn.

Original application August 7, 1948, Serial No. 43,145. Divided and this application November 2, 1949, Serial No. 125,076

11 Claims. (Cl. 123-25)



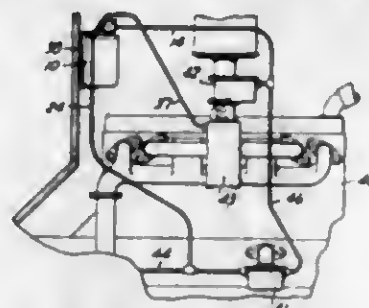
1. The method of injecting fuel by a vapor blast through a nozzle into the combustion chamber of an internal combustion engine comprising injecting said fuel in successive charges with the injection of each fuel charge being rapid and of short duration and the successive injections being separated from each other by time intervals of relatively long duration, metering a separate charge of blast vapor for each injection of fuel by filling a vapor accumulator in the time interval by the successive fuel injections, retaining each blast vapor charge in the vapor accumulator until the blast vapor charge is required for the injection of a fuel charge, metering a separate charge of fuel from a pulsating means for each injection in the time interval between injections, delivering the fuel charge to a fuel accumulator, retaining each fuel charge in the fuel accumulator until the fuel charge is to be injected and employing a pressure-drop in the fuel duct between the pulsating means and the fuel accumulator to release the stored blast vapor charge from the

vapor accumulator and directing it to the nozzle and releasing the stored fuel charge from the fuel accumulator and directing said fuel charge to the nozzle and permitting initial release of blast vapor ahead of the release of fuel.

2,625,142

CHARGE FORMING DEVICE

Alexander M. Chambers, Richmond, Calif.
Application February 1, 1952, Serial No. 269,557
5 Claims. (Cl. 123-127)

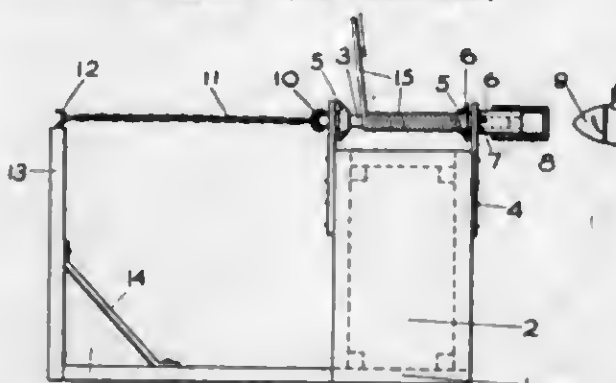


1. A device for introducing liquid material into an internal combustion engine, the engine having a fuel pump for delivering liquid fuel to a carburetor which in turn supplies carbureted air to the intake manifold of the engine, said device comprising a vessel adapted to contain liquid, a float controlled valve in the vessel, a pipe serving to connect said float controlled valve to the discharge side of the fuel pump whereby liquid fuel is supplied to the vessel, means forming a connection from the lower part of the vessel to the intake side of the fuel pump, whereby liquid fuel is continuously circulated through the vessel when the engine is in operation, means serving to connect the space in the upper part of the vessel with the intake manifold of the engine, and means for introducing air into the lower portion of the vessel to aerate the liquid therein.

2,625,143

STARTER FOR SMALL INTERNAL-COMBUSTION ENGINES

Roberts S. Demitz, Fort Knox, Ky.
Application May 9, 1947, Serial No. 747,158
1 Claim. (Cl. 123-185)

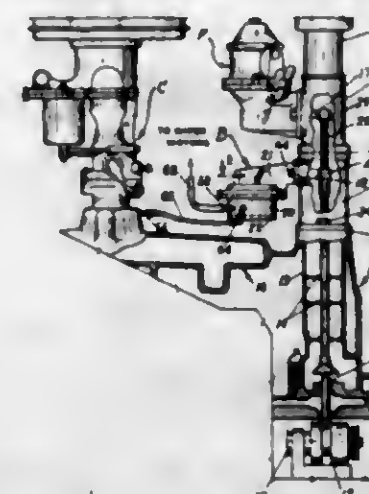


A portable starter for small internal combustion engines comprising a frame, said frame having an extension provided with an outrigger, a shaft supported near each of its ends by bearings affixed to the upper portion of one end of said frame, a hollow cylindrical member secured to one end of the said shaft, a pull-cord wound directly upon and around the said shaft with one cord end fastened to the shaft, an elastic strand fastened to the other end of the shaft in extension of the shaft axis and further secured at its other end to the said outrigger, whereby the hub of a model airplane or boat propeller, or of a race car wheel, may be inserted into the hollow cylindrical member to receive successive starting impulses of manual origin.

2,625,144

ACCESSORY PUMP STRUCTURE FOR ENGINES

John W. Stewart, Golden, Colo.
Application August 23, 1948, Serial No. 45,683
7 Claims. (Cl. 123-195)

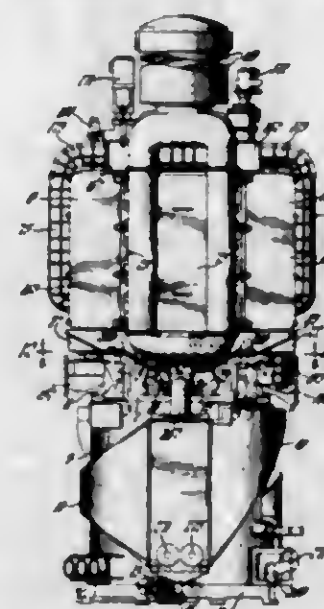


1. In a vacuum pump structure for operation by the reciprocable rod of an engine employed to drive an engine fuel pump which fuel pump has an operating lever and is normally mounted directly on the engine block, said structure comprising a vacuum pump having a mounting member provided with an opening therethrough, said member being so constructed at one end of the opening as to be mounted on the engine block in place of the fuel pump and so constructed at the other end of the opening as to permit re-mounting of the fuel pump thereon, a vacuum pump operating arm extending into the opening, and means connectable with the end of the reciprocable rod that normally operates the fuel pump and extending through the opening for operating both the vacuum pump operating arm and the fuel pump operating lever without removal of the reciprocating rod.

2,625,145

POWER PLANT

William Elmer Brill, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 20, 1948, Serial No. 61,258
15 Claims. (Cl. 123-195)



1. In a power plant, supporting means having a central opening extending therethrough, an engine supported on one side of said means and having a crankshaft extending therethrough, a housing secured to the other side of said means

and having a thrust bearing on which the crankshaft is normally supported for rotation and a combined emergency thrust bearing and oil seal for said crankshaft in the central opening of said supporting means.

2,625,146

SPARK PLUG COVER

Milford T. Stephens, Denver, Colo.
Application June 12, 1948, Serial No. 32,668
1 Claim. (Cl. 123-198)

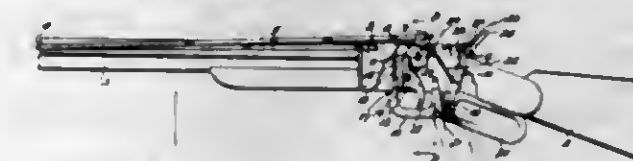


A cylinder head of the overhead valve type for use with an engine block having a plurality of spaced parallel cylinders, the cylinder head having its upper surface provided with a groove, the bottom wall of the groove having threaded openings for the reception of spark plugs, the groove having a length embracing all of the openings, the wall about the groove having a continuous sealing surface, a cover for enclosing the spark plugs, said cover being trough-like, the edge having a surface adapted to abut the sealing surface surrounding the groove whereby when the cover is positioned in inverted position over the groove with its edges opposing the sealing surface about the groove, a closed chamber is formed, and means attaching the cover to the cylinder head, the cover having openings in alignment with the spark plug openings in the bottom of the groove, removable caps sealing the last named openings, means for securing the cover to the cylinder head and the caps in sealing position on the cover, comprising stud bolts attached to the cylinder head between the spark plug openings of adjacent pairs of openings, the cover having openings in its top for the reception of the bolts, clamp bars for the caps covering the openings in the cover that corresponds to the spark plug openings between which the bolts are positioned, a clamp bar for each pair of caps with its ends resting on the caps, said bars having each an opening intermediate its ends through which the corresponding bolts extend and means comprising nuts in operative engagement with the bolts and with the cover for urging it into sealing engagement with the cylinder head, and similar means for urging the caps into sealing engagement with the cover.

2,625,147

REPEATING TYPE ELASTIC BAND PROJECTOR

Freeman T. Eagleson, Jr., Columbus, Ohio
Application April 7, 1951, Serial No. 219,849
3 Claims. (Cl. 124-19)



1. In a band-projecting toy firearm, a body comprising breech, barrel and stock sections, means provided in conjunction with said barrel

and breech sections supporting in stretched adjacent order a plurality of elastic bands, a pivoted hammer member having a band-receiving neck, trigger means normally maintaining said hammer member against movement when an elastic band is engaged with the outer end of said barrel section at one of its ends and seated on said neck at its other, said trigger means being movable to release said hammer member to permit the same to rotate under the influence of a tensioned band engaged with the neck thereof to a position releasing said band, a lever pivotally mounted at one end on the under side of said breech section, and a band-transferring arm movable in unison with said lever and operable to remove individually and progressively bands having tensioned engagement with said breech section and to transfer the same to the neck of said hammer member.

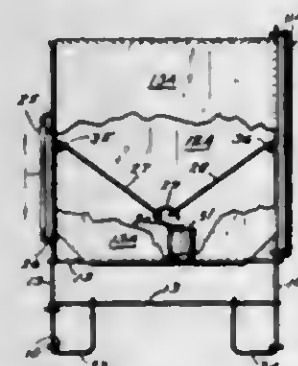
2,625,148

PORTABLE GRILL

John W. Snyder, Youngstown, Ohio

Application December 5, 1949, Serial No. 131,134

2 Claims. (Cl. 126-25)



1. A portable grill comprising two vertically standing side sections each having front and back corner posts and a pair of front and back frame sections each having loops on their outermost ends encircling the said corner posts of the side sections, a pair of grate sections pivoted one to the front frame section and one to the back frame section and transversely thereof and together being of a total width greater than the space between the said front and back section, hook means on the free end of one of the said grill sections for temporarily securing it to the free end of the other of the said grill sections and in angular relation thereto to form a transversely V-shaped grate, acting to hold the said side sections and front and back frame sections in rectangular relation to one another and a removable grill supported on said frame sections above said grate, and a splatter shield comprising a section of sheet metal having rods secured thereto and extending beyond the sides thereof, said rods looped about said front corner post to locate said section of sheet metal forwardly of said front section so that the same is movable vertically therealong.

2,625,149

GAS RANGE

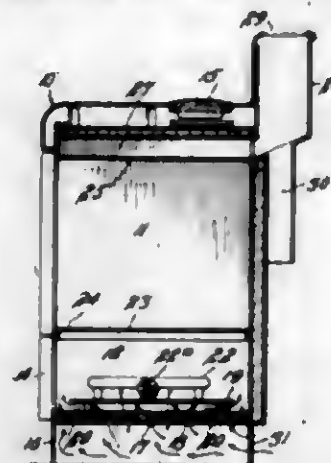
Glenn O. Galloway, McLean, Va., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application January 28, 1948, Serial No. 4,839

8 Claims. (Cl. 126-39)

1. In a gas range, a combustion chamber, said combustion chamber having at least one permeable external wall, a gas burner in said combustion chamber, so located as to heat said permeable wall and means for permeating ambi-

ent air into said combustion chamber through interstices of substantially the entire mass of said permeable wall, whereby the air is heated in passing through the interstices of said wall and the temperature of the external surface of



said wall is maintained at approximately room temperature during the operation of said gas burner, said last named means including a flue for conveying products of combustion from said combustion chamber.

2,625,150

SPACE HEATING HOT-AIR FURNACE FOR HOUSE TRAILERS AND THE LIKE

Ellwood E. Little, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas

Application February 23, 1949, Serial No. 77,796

8 Claims. (Cl. 126-110)



1. A heater including an upright casing having side walls and a top, a partition having a closed cross sectional figure and spaced inwardly from side walls of the casing and terminating short of said top for forming vertical inner and outer flow passageways within the casing, said casing having an opening in the upper portion thereof in communication with the upper ends of both of said passageways and having openings in the lower portion in connection with the lower ends of said passageways for natural gravity circulation upwardly through both of said passageways, a heating unit within the inner flow passageway, and a blower having an inlet for air exteriorly of the upper portion of the casing and having a discharge outlet in connection with the upper end of the inner flow passageway for discharging a jet of air downwardly in the inner passageway when the blower

is in operation, said discharge of the blower being spaced inwardly of the terminal of the partition to provide a space therebetween for connection with the outer flow passageway for effecting aspiration of a part of the air flow from said outer flow passageway downwardly through the inner flow passageway when the blower is in operation.

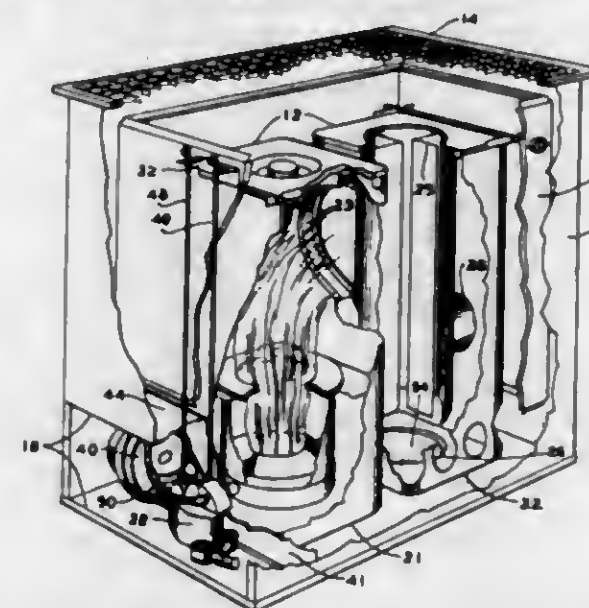
2,625,151

FLOOR FURNACE WITH REMOVABLE HEATING UNIT

Henry W. Kelly, Columbus, Ohio

Application November 24, 1950, Serial No. 197,388

4 Claims. (Cl. 126-116)



1. A floor furnace comprising an outer vertical casing of substantially rectangular form and having its upper end open but adapted to be covered by a removable grill, said casing having a flue opening in one of its side walls, an adapter collar disposed around said opening and secured to said casing in fixed position, said adapter collar having an axially extending portion for telescopically receiving the end of a smoke pipe, a heating unit including a burner disposed within said casing and having a flue connection secured thereto in fixed position thereon and projecting from one side of the unit, said heating unit including said flue connection being substantially smaller than said casing in a direction axially of said flue connection to permit vertical movement of said unit into and out of said casing, said casing having a flat bottom wall and said heating unit having a flat bottom which slidably rests directly on said casing bottom wall with its flue connection extending axially in the same direction as said adapter collar, so that said heating unit is supported for sliding movement in a direction axially of said flue connection and adapter collar for the purpose of moving said flue connection axially into and out of telescoping relationship with said adapter collar, said flue connection of said unit being located at the same distance above the bottom of said heating unit as the adapter collar is located above the bottom of said casing so that when the unit is supported on the casing bottom their levels correspond, said flue connection being of a size relative to said adapter to telescope snugly therewith so that only relative axial movement thereof is permitted, a transversely extending vertical plate attached to the end of said heating unit opposite said flue connection and having its outer ends disposed closely adjacent the associated walls of said casing so as to cooperate therewith to properly locate the heating unit laterally relative to the casing to aid in aligning said flue connection

laterally with said adapter collar, said vertical plate being spaced from the adjacent wall of the casing which is opposite the casing wall that supports said adapter collar when the flue connection of the heating unit telescopes with the adapter collar, a fuel valve in such space and connected to the burner to supply fuel thereto, a cover movably mounted above the valve, and a support on said adjacent wall of the casing for supporting one edge of said cover, said transversely extending vertical plate on the adjacent end of said heating unit supporting the other edge of said cover.

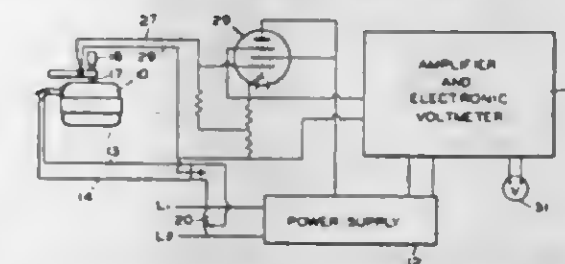
2,625,152

VIBRATOR WITH AMPLITUDE MEASURING CIRCUIT

William O. Frohring, Newbury Township, Geauga County, Ohio

Application March 20, 1951, Serial No. 216,534

4 Claims. (Cl. 128-2)



1. In a vibrator unit having an applicator member, and a power source for imparting vibratory motion to said member, amplitude measuring means for instantaneously determining the amplitude of vibration of said member comprising a piezo-electric crystal fixed with respect to said member so as to vibrate therewith, whereby inertia flexures are produced in said crystal, and resulting potential differences are generated in said crystal proportional to the amplitude of vibration, and means for measuring and indicating the value of such potential differences.

2,625,153

BLOOD PRESSURE MEASURING APPARATUS

William A. Baum, Forest Hills, N. Y., assignor to W. A. Baum Co. Inc., New York, N. Y., a corporation of New York

Application December 14, 1949, Serial No. 132,823

8 Claims. (Cl. 128-2.05)



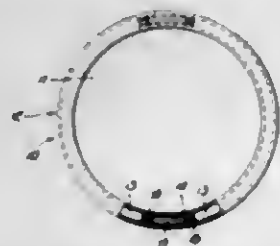
8. In venous pressure measuring apparatus including a hypodermic needle, a manometer, a

pneumatic connection between the needle and monometer and a three-position valve for controllably blocking said connection, an extensible bellows adapted alternately to aspirate and to expirate the needle and the manometer via the valve, said bellows comprising a distensible bag connecting with the valve, a support for the bag, a shoe adapted to constrict the bag against the support, and means to advance the shoe relative to the support.

2,625,154

LATERALLY COLLAPSIBLE PESSARY

Thomas Young, New York, N. Y., assignor to Durex Products, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1948, Serial No. 32,089
5 Claims. (Cl. 128—127)

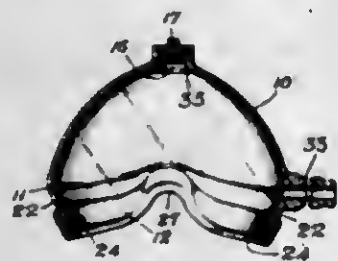


1. A pessary comprising, in combination, a pair of core segments each of rigid but manually pliable material so that the pessary is adapted to be manually shaped and will hold its shape, flexible members arranged in alternate relation with the core segments to provide bending zones, said members being secured in end to end relation to the core segments, and a continuous, integral molded rim member of uniformly soft resilient material enclosing and fitting directly against the core segments and the flexible members throughout substantially its entire length.

2,625,155

FACE MASK

Arthur E. Engelder, Douglas, Ariz.
Application December 11, 1950, Serial No. 200,250
9 Claims. (Cl. 128—146)

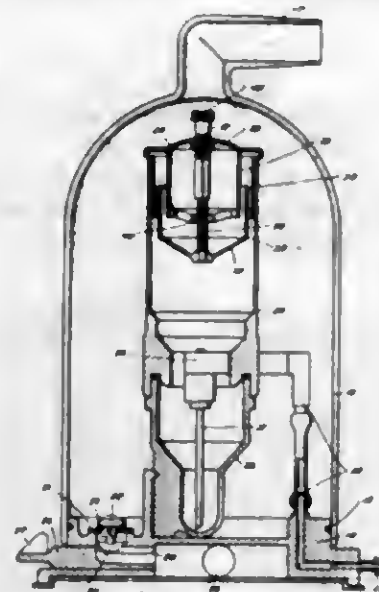


1. A face mask of the type described comprising a transparent hemispheroidal dome the peripheral edge of which is shaped to abut and to conform generally to the chin, cheek, malar area and nose of a patient, a soft resilient sealing ring sealed to the peripheral edge of said dome and having a face-contacting surface contoured to conform generally to the same facial contours as said dome, said face-contacting surface extending perpendicularly to the projection of the adjacent surface of said dome at each point along its length, said dome being provided with vertically spaced frontal ports positioned opposite the nasal and oral areas of the face in position to receive aspirating elements directed to those areas of a patient wearing the mask, and means to retain said dome in sealed relationship to the face of the patient.

2,625,156

AEROSOL GENERATOR

Fernand Gauchard, Santeny, France
Application December 17, 1951, Serial No. 262,038
In France October 14, 1947
14 Claims. (Cl. 128—173)



1. A generator of aerosols containing at least one liquid basic product intended for inhalation comprising a compressor of aeriform fluid, an atomizer, a pipe connecting said gas compressor with the atomizer, means for feeding the product that is to form the aerosol to said atomizer, a container into which the atomizer projects a suspension of said product in a jet of compressed fluid from the compressor, a baffle system at the outlet of the container adapted to collect the larger liquid particles of the suspension impinging against its surfaces, an outer container inside which the first container is housed and fed by the aerosol formed by the suspension passing out of the baffle system, after separation of the liquid particles impinging on the baffle system surfaces, said outer container being provided with an outlet and a gauged inlet opening for atmospheric air, a nonreturn valve in said inlet opening and a pipe connected with the outlet of the second container.

2,625,157

SINGLE DOSAGE DISPOSABLE HYPODERMIC SYRINGE AMPOULE AND ASSEMBLY

Marshall L. Lockhart, Rutherford, N. J., assignor to The Compule Corporation, Rutherford, N. J., a corporation of New Jersey
Application December 22, 1950, Serial No. 202,333
11 Claims. (Cl. 128—216)



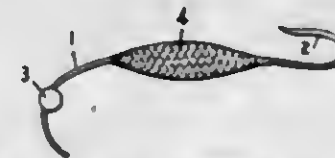
1. A single dosage, disposable hypodermic syringe comprising, a collapsible ampoule having

a longitudinally-extending bore in one end sealed off inwardly of its outer end by a pierceable membrane, slidable means frictionally receivable in said bore outward of said membrane, a longitudinally-extending double-ended cannula carried by said slidable means with the length of the latter and that of the inner end of said cannula extending beyond said slidable means together being appreciably less than the depth of said bore to space the tip of the cannula inner end outwardly from said membrane when said slidable means is initially positioned into the outer end of said bore, and a removable cover mounted over the outer end of said cannula with its inner end slidably receivable in said bore to engage said slidable means and push it inward to pierce said cannula inner end through said membrane.

2,625,158

SUBCUTANEOUS MEDICATION

John W. Lee, Hugh E. Martin, and William M. Alexander, Indianapolis, Ind.
Original application December 15, 1945, Serial No. 635,266. Divided and this application June 14, 1950, Serial No. 168,012
3 Claims. (Cl. 128—260)

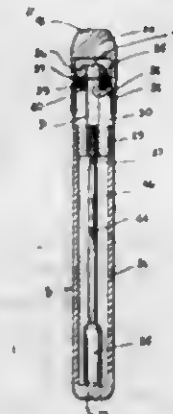


1. A device for the subcutaneous implantation of medicaments comprising a body having a woven area adapted to retain a solid medicament with a large proportion of the solid medicament's surface being exposed, a solid medicament suitable for subcutaneous use retained by said woven area and having a large proportion of its surface exposed, said woven area tapering to cord-like ends adapted for introducing the medicament retaining portion of the body subcutaneously, said cord-like ends adapted for fastening the body in position after the introduction and also adapted for withdrawing the body.

2,625,159

NASAL APPLICATOR

Victor H. Roehrich, St. Paul, Minn., assignor of one-half to Emma Diel Roehrich, St. Paul, Minn.
Application October 30, 1947, Serial No. 783,142
7 Claims. (Cl. 128—267)



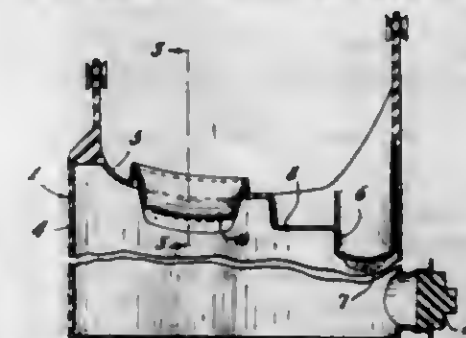
2. A nasal applicator including an elongated shell having a closed end and a restricted opening in the opposite end thereof, a rod in said shell having an applicator end portion freely slidable through said restricted opening, and an enlarged portion on said rod spaced from said applicator

portion of larger size than said opening, said enlarged portion limiting outward sliding of said rod through said opening, and a separate removable cap for said shell to close said opening.

2,625,160

INFANT'S DIAPER SUBSTITUTE OR THE LIKE

Edward G. Maxim, Barberton, Ohio
Application January 10, 1952, Serial No. 265,745
8 Claims. (Cl. 128—283)



1. A waste receptacle for babies or adults comprising a flexible soft body, and a flexible soft top closing said body, said top having a soft flexible continuous rubber flange of oval shape protruding upwardly therefrom for resilient sealing engagement with a crotch portion of a person wearing the receptacle, and a tubular rubber sheet formed integrally with said flange and extending downwardly therefrom internally thereof, the lower portion of said sheet being of flat cross section with opposed portions thereof in resilient contact.

2,625,161

SANITARY NAPKIN

Robert W. Johnson, Princeton, N. J., assignor to Personal Products Corporation, a corporation of New Jersey
Application July 12, 1952, Serial No. 298,580
1 Claim. (Cl. 128—290)



A catamenial napkin having an absorbent pad and a wrapper around said pad, said wrapper comprising a thread web, and an applique of carded fibers adhesively bonded to the threads of said web in a multiplicity of relatively spaced areas which occur where fibers of said applique and some of the threads of said web are in contiguous relation to each other, said applique having a basis weight in the range of about 1 1/2 grams to 6 grams per square yard and providing such a paucity of fibers in relation to the area of the thread web on which said fibers are applied, that such a large proportion of the fibers in said applique will be disposed in contiguous relation to said threads so as to be bonded to said thread web as aforesaid, thereby attaining secure anchorage of said applique to said web and imparting to the wrapper a characteristic of high resistance to displacement of the applique fibers from the thread web by scuffing or rubbing which occurs as an incident to normal body action against the surface of the napkin when the napkin is worn in a normal manner.

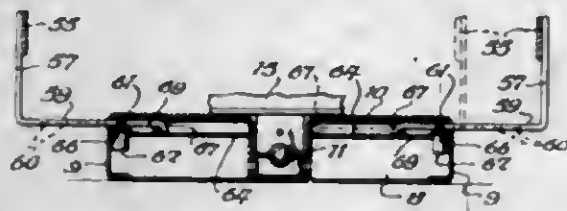
2,625,162

ADJUSTABLE SIDE BAR FOR POSTING TRAYS

Oscar F. Edeborg, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.

Original application May 7, 1949, Serial No. 92,052. Divided and this application December 9, 1950, Serial No. 200,070

1 Claim. (Cl. 129-16)



In a posting tray including a base and side bars extending above the base at the sides thereof and adjustable toward and from the sides of the base, that improvement which includes a plurality of angle-shaped supports having upwardly extending arms secured at their upper ends to said side bars and laterally extending arms slidable transversely on said base, at least one of said supports for each side bar being arranged approximately centrally with reference to the length of its side bar, a channel-shaped member having side flanges secured to said base and forming with said base a space for guiding the laterally extending arm of said last mentioned support for lateral movement relatively to said base, recesses arranged at intervals lengthwise of said laterally extending arm of said last mentioned support, and a detent secured on said channel member and yieldingly pressed into engagement with said recesses to yieldingly oppose movement of said central support, the other supports being slidable freely transversely of said base, said laterally extending arm of said last mentioned support having the end thereof within said channel member bent over to form a flange extending transversely of said channel, said channel having holes in said side flanges, and a stop pin extending transversely of said channel through said holes in position to be engaged by said flange when said laterally extending arm has been pulled out of said channel to the desired limit.

2,625,163

SAFETY CIGARETTE HOLDER

Randlett F. Jones and Frank A. Hollins, Frederick Hall, Va.

Application July 29, 1949, Serial No. 107,538

1 Claim. (Cl. 131-175)



A cigarette holder comprising a first tubular body having at one end an internally screw threaded formation of reduced diameter having an internal annular shoulder adjacent said one end and having adjacent its other end an internal annular groove, a second tubular body slidably received at one end in said other end of said first body and having at said one end thereof an annular external flange, a ring of resilient material secured in the groove in said first body and slidably engaging said second body to provide a sliding frictional connection between said bodies, the flange on said second body cooperating with the internal annular groove in said first body and with said ring to limit longitudinal sliding move-

ment between said bodies, a mouthpiece having at one end an externally screw threaded formation threaded into the internally screw threaded formation on said first body and having internally thereof a socket for receiving one end of a cigarette and holding the cigarette positioned within said first and second bodies.

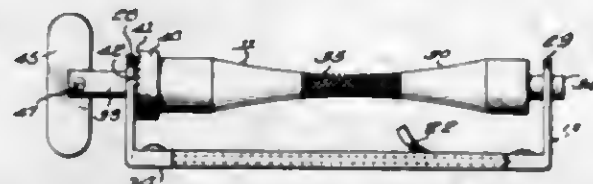
2,625,164

PERMANENT WAVING DEVICE

Thresa Pazul, Berwyn, Ill., now by change of name Terri Marie Pazul

Application January 4, 1949, Serial No. 69,214

3 Claims. (Cl. 132-39)



1. A permanent waving device comprising a hair strand engaging spacer, bearing supports on said spacer provided with circular bearing openings, a curling rod having portions thereon permanently rotatably mounted in said openings, and interengaging means on said rod and spacer for preventing rotation of said rod in one direction, the ends of said rod inwardly of said portions being larger than said portions forming shoulders, the distance between said shoulders being substantially less than the distance between said bearing supports to permit limited axial movement of said rod relative to said spacer for engaging and disengaging said interengaging means.

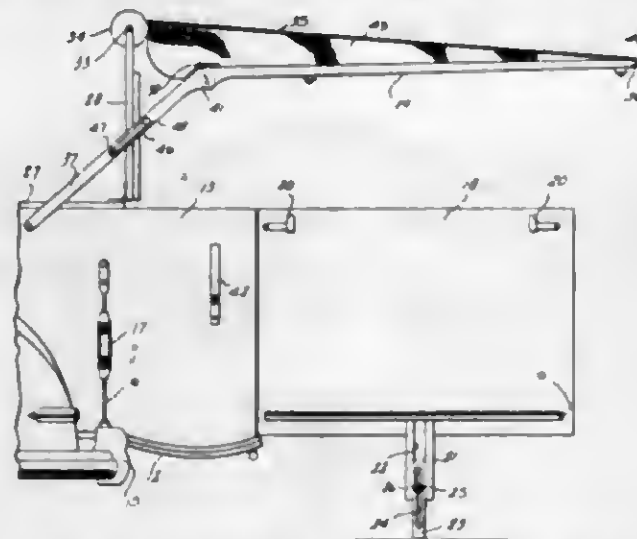
2,625,165

PROTECTIVE CANOPY FOR TRAVEL KITCHENS

Stanley F. Eskew, Fayetteville, W. Va.

Application October 31, 1950, Serial No. 193,174

4 Claims. (Cl. 135-5)



1. In an automobile of the type having a rear trunk compartment provided with a horizontally hinged door swingable downwardly to a horizontal upwardly facing open position, a pair of parallel vertical side walls secured to the frame of the automobile and supported on said door in its open position, a top wall secured to the top edges of said side walls, said top wall including an upwardly swingable, transversely extending hinged section, a transverse reel rotatably secured to the free transverse margin of said section, a flexible body of material wound on said reel and being adapted to define a canopy when unwound from the reel, and respective supports swingably se-

cured to said side walls, said supports being engageable with said body of flexible material and being arranged to maintain said body of flexible material in protective overlying relation to the area outwardly adjacent the automobile.

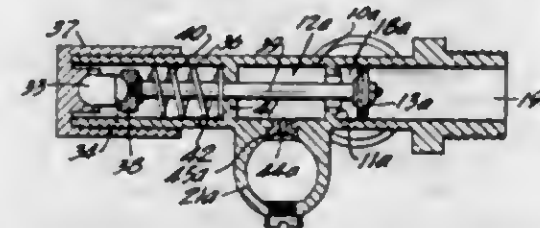
2,625,166

VALVE MECHANISM

Lynn G. Lindsay, St. Paul, Minn., assignor to Lindsay Company, St. Paul, Minn., a corporation of Minnesota

Application January 23, 1946, Serial No. 642,847

3 Claims. (Cl. 137-67)



1. Valve mechanism comprising, a casing having passages for conducting fluid, a valve member movable to a predetermined position for causing the fluid to flow through a selected passage in the casing, means for actuating said member to a second position, a holder for a control body separate from said passages and valve member, and a control body adapted to collapse upon the elapse of time positioned in said holder and associated with said valve member to control its movement to the second position, said body comprising a capsule having a confining wall and containing in contact with an interior surface of said wall a substance which is reactive to said wall.

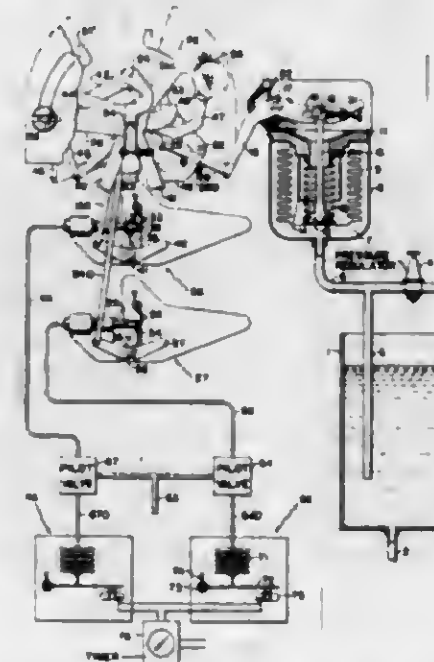
2,625,167

LINKAGE MANUALLY OPERABLE TO SHIFT THE SET POINT OF ONE OR TWO CONTROL INSTRUMENTS

Louis Gess, Jenkintown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 2, 1947, Serial No. 719,753

9 Claims. (Cl. 137-82)



6. In a controller, a pair of floating levers each pivoted at one point to an individual support, connections to move another point of each of said levers in response to variations in a condition, a first manually-operable knob having connec-

tions for moving the pivots of both of said floating levers, and a second manually-operable knob having connections for moving the pivot of one of said floating levers relative to the pivot of the other of said floating levers while said other floating lever remains stationary.

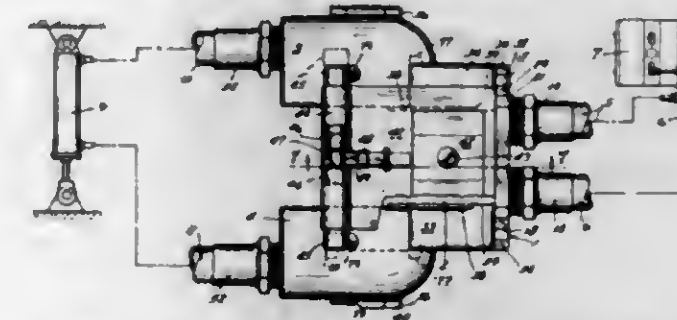
2,625,168

FLUID COUPLING

Lynn Charlson, Minneapolis, Minn., assignor to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan

Application April 29, 1950, Serial No. 158,963

23 Claims. (Cl. 137-102)



1. A fluid coupler comprising a main body element having laterally-spaced independent fluid passages therethrough, said passages terminating at one end in ports on opposite sides of said body and adapted to be secured at their other ends to a source of fluid under pressure, said body intermediate said fluid passages defining a chamber communicating with said passages, a piston mounted for sliding movements in said chamber, ram members on opposite sides of said piston registerable with and projectable through said ports upon movements of said piston in opposite directions, slide elements one on each side of said body element, means mounting said slide elements for movements to and from port-closing positions, a pair of coupling heads each having a fluid passage therethrough, said passages terminating in normally-opposed ports at one of their ends, valves in said last-mentioned ports normally biased toward a closed position, and means detachably securing one each of said coupling heads to one of said slide elements and its cooperating mounting means for movements into and out of registration of the ports therein with the ports in said head, fluid under pressure introduced into one of the passages in the body element causing movements of the piston in the direction of the other passage and engagement of one of the ram members with the valve in the head adjacent said other passage to unseat the same.

2,625,169

AUTOMATIC SHUTOFF DEVICE

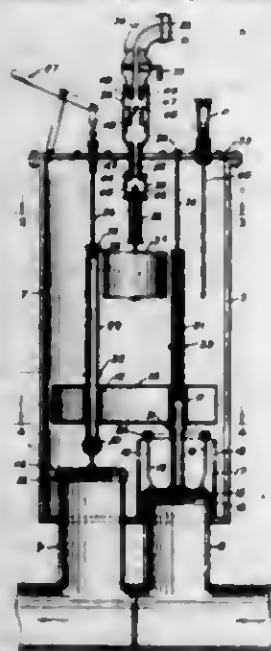
Tom E. Parrish, Beaumont, Tex.

Application October 12, 1950, Serial No. 189,743

3 Claims. (Cl. 137-174)

1. An automatic shutoff device for fluid conducting lines comprising a vertically disposed cylindrical casing, an inlet pipe and an outlet pipe connected to the bottom of the casing and extending upwardly a short distance therefrom, valve seats in the upper ends of the inlet pipe and the outlet pipe, valve discs adapted to be seated on the valve seats, a cylindrical valve cage surrounding the upper end of the inlet pipe and attached at its lower end to the bottom of the casing, the valve cage being open at the top and a plurality of ports being formed in the wall thereof, a valve guide received within the valve cage and attached to the adjacent valve disc, a

cylindrical float received bodily within the casing, a pair of longitudinal openings being formed in the body of the float on opposite sides thereof, a pair of vertically disposed tubular guides aligned with the center lines of the inlet pipe and the outlet pipe, the tubular guides being movable longitudinally and being loosely inserted thru the openings in the body of the float, the lower end of one of the tubular guides resting freely upon the upper surface of the valve disc in the inlet pipe when the valve disc is seated, the lower end of the other tubular guide being connected thru



a ball joint to the valve disc in the outlet pipe, a guide rod rigidly secured at its upper end to the top of the casing and slidably engaging the upper end of the first mentioned tubular guide, a second guide rod slidably engaging the upper end of the last mentioned tubular guide and suspended from the top of the casing, a shoulder being formed on the first mentioned tubular guide below the float and a shoulder being formed on the last mentioned tubular guide above the float, a vent pipe extending thru the top of the casing, and a float operated valve in the vent pipe.

2,625,170

VALVE CORE FOR PNEUMATIC TIRE VALVE STEMS

Charles H. Mayer, Stratford, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application January 7, 1950, Serial No. 137,327
1 Claim. (Cl. 137—223)



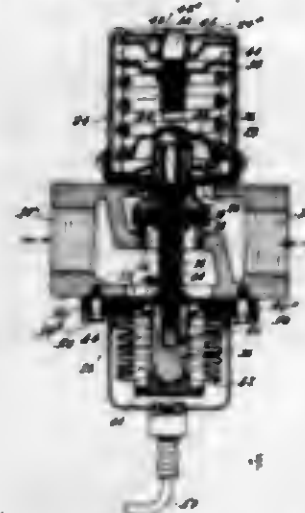
A valve core for a pneumatic tire valve stem, said core including, in combination, a tubular barrel having its bottom end portion formed with an inwardly extending annular shoulder with an annular lip depending from the inner portion of this shoulder, and having, spaced above this shoulder, an annular gasket mounting; a body

of elastic material molded about said mounting in the form of a gasket entirely spaced above said shoulder and having an outside surface of sufficient diameter to air-tightly seal with the inside of a valve stem; a separate body of elastic material molded about said lip beneath said shoulder in the form of a sleeve surrounding said lip with an outside diameter smaller than the inside diameter of the registering portion of the inside of a valve stem, and with this sleeve having an inwardly extending annular shoulder beneath and contacting the bottom edge of this lip; an integral valve and valve pin with the latter extending longitudinally through and above said barrel and with this valve in the form of an outwardly extending, annular shoulder, positioned on the bottom of this pin, and having an upstanding annular ridge with a diameter larger than the inside diameter and smaller than the outside diameter of said shoulder of said sleeve, so that this shoulder functions with this ridge to form a seal; a coil compression spring encircling said pin with its lower end engaging the inside top of said shoulder of said barrel and with its upper end fastened to this pin to bias the latter to valve-closing position; and a screw plug encircling the upper end portion of said pin above said barrel with its outside threaded to fit threads on the inside of said stem and which is constructed to permit the passage of air there-through.

2,625,171

WATER REGULATOR VALVE

Wilbur W. Wood, Middlebury, Ind., assignor to Penn Controls, Inc., a corporation of Indiana
Application January 15, 1949, Serial No. 71,159
2 Claims. (Cl. 137—312)



2. In a water regulator valve, a valve body having opposite surfaces, sealing diaphragms for said surfaces, a stem between said diaphragms, a valve plug on said stem for coaction with a valve seat within said valve body and a power element for said stem having an active side and an inactive side; the improvement consisting of means to take care of leakage of water from said valve body to the inactive side of said power element comprising a passageway leading from said inactive side through said stem and plug to the outlet side of the plug, and means to prevent reverse flow of fluid through said passageway.

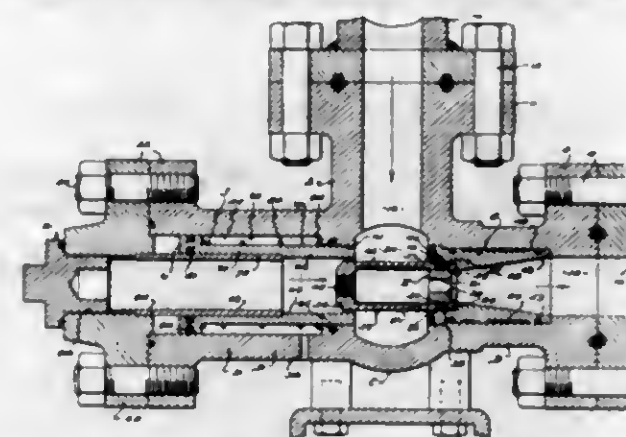
2,625,172

FLOW CONTROLLING DEVICE

John S. Page, Long Beach, Calif.
Application April 24, 1950, Serial No. 157,678
19 Claims. (Cl. 137—315)

1. A structure of the character described including, a body having a fluid inlet passage and

having a fluid handling outlet section, and a portion opposite said section and provided with a removable closure adapted to pass fluid from the inlet passage to the outlet section, a flow bean, means releasably supporting the flow bean in said body section, a flow control normally re-



tracted so there is free flow through the flow bean, and means for operating the flow control to a position stopping flow to the flow bean, the flow bean being removable from the body through said portion of the body when the flow control is operated and the said closure is removed.

2,625,173

NONFREEZE FAUCET

John Henry Hodes, Jr., Kansas City, Mo.
Application February 13, 1948, Serial No. 8,181
1 Claim. (Cl. 137—360)



A faucet comprising, a body member having a chamber therein and an outlet from said chamber, said body member having an inlet bore and counterbore, an elongate relatively thin walled tubular member having one end secured in the counterbore of said body member and having a bore in registry with said inlet bore for communication with said chamber, an annular flange on the body member adjacent the connection of the tubular member and body member, an annular rib on the body member and extending from the annular flange around and spaced from the tubular member for engaging in an opening of a wall to support the body member and prevent lateral movement thereof, a valve seat member having smaller outside transverse dimensions than the annular rib, said valve seat member having one end adapted for connection with a liquid conduit and having a flow passage therethrough providing communication for liquid flow from a liquid conduit, said valve seat member having a counterbore in the other end thereof in which the other end of the tubular member is secured with the flow passage of said valve seat member in registry with the bore of the tubular member, a seat in said valve seat member in axial alignment with the flow passage, valve means in the bore of said tubular member adapted for engagement with said seat for interrupting liquid flow therethrough, the periphery of the valve means being spaced from the bore and passage walls for flow of liquid therebetween, the registry of the inlet bore of the body member, tubular member bore and the flow passage of the valve seat member cooperating to present a smooth internal bore to fluid flow for

complete drainage of liquid therethrough, a valve rod operatively connected with the valve means and extending through the tubular member bore into the chamber of the body member, a stem extending from the exterior of the body member into the chamber therein and secured to the valve rod in axial alignment therewith, packing in the body member engaging the stem to prevent liquid leakage therearound, means for rotating said stem, and cooperative means in the body member and on the stem for effecting longitudinal movement of said stem, valve rod and valve means in response to rotation of said stem for controlling flow of liquid through the faucet.

2,625,174

PILOT OPERATED RELIEF VALVE

Wayne A. Forde, Washington, D. C.
Application July 28, 1947, Serial No. 764,187
4 Claims. (Cl. 137—491)
(Granted under Title 35, U. S. Code (1952), sec. 266)

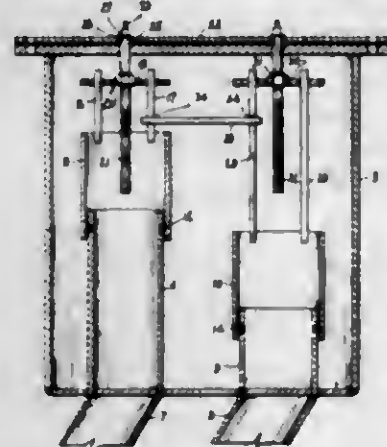


1. In combination, a primary valve and a sliding piston type pilot control valve therefor; said primary valve comprising a body member having a control chamber therein, a channel therethrough and a seat, a piston reciprocable therein toward and away from said seat for controlling fluid flow through said channel and having a vent therethrough for providing fluid communication between the front face of the piston and said control chamber, and a yieldable pressure means for urging said piston into said seat; said piston type pilot control valve comprising a body member having ingress and egress ports formed therein, a plunger carried by said body member for sliding reciprocation therealong, a piston portion of said plunger cooperating with said body member for sliding action along a portion thereof substantially adjacent said egress port to close and open the valve in response to fluid pressure applied to said ingress port by covering and uncovering said egress port, said housing providing a dashpot chamber connected to said egress port for fluid flow therebetween and receiving one end of said plunger, and means urging said piston portion over said egress port and said end of said plunger into said dashpot chamber, thereby providing a smooth cushioned pilot valve closing action; and means providing fluid communication between said control chamber and said pilot valve ingress port, the fluid pressure in said chamber thereby controlling said pilot valve, the opening of said pilot valve providing a pressure differential between the opposite faces of said primary valve piston to open said primary valve and the smooth cushioned closure of said pilot valve causing a gradual diminution of said pressure differential resulting in a closure of said primary valve under a small urging force.

2,625,175 SIPHON BOX

Samuel A. Wilson, Tulsa, Okla., assignor to Maloney-Crawford Tank & Manufacturing Company, Tulsa, Okla., a corporation of Delaware

Application May 31, 1949, Serial No. 96,217
3 Claims. (Cl. 137-577)

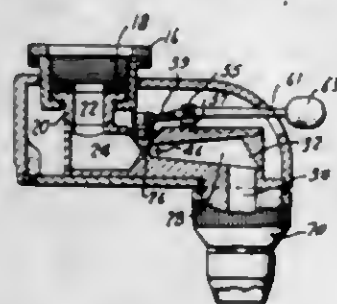


1. In a siphon box for regulating the interfacial fluid level of an oil water emulsion treater or the like, comprising a housing, a plurality of cylindrical risers disposed in the housing and communicating with a plurality of fluid compartments in the treater, a movable slipover pipe provided on each of the risers for regulating the interfacial level between the fluids in the various compartments of the treater, means providing adjustment of the slipover pipes from the exterior of the siphon housing, said means comprising a rotatable shaft extending into the housing above each slipover pipe, a nut movable on each shaft in response to rotation of the shaft, and means connecting each nut with its respective slipover pipe to cause a simultaneous axial movement of the nut and slipover pipe upon rotation of the corresponding shaft, and means connected between the slipover pipes to prevent rotation of the slipover pipes during a movement thereof.

2,625,176

MIXING ATTACHMENT FOR WATER FAUCETS

William D. Williams and Harold L. Binley, Toledo, Ohio, assignors, by mesne assignments, to Multi-Meter Corporation, a corporation of Ohio
Application March 26, 1951, Serial No. 217,592
3 Claims. (Cl. 137-604)



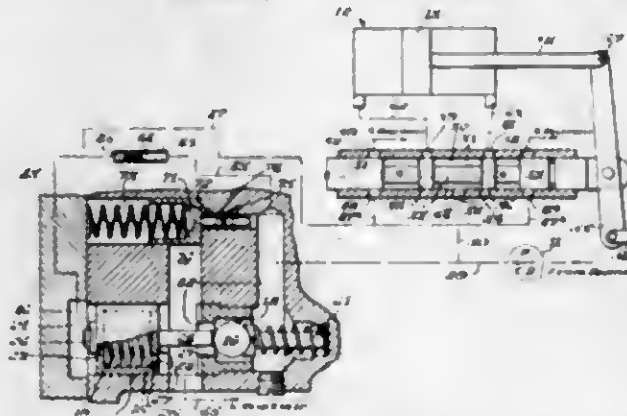
1. In a mixing attachment for water faucets comprising a body having a water passage therethrough, a portion of said water passage forming a Venturi tube, and a detergent passage in said body communicating with said water passage adjacent the throat of said Venturi tube, the improvement comprising, an atmospheric vent in said detergent passage, and normally open valve means for closing said vent, said valve means including a valve seat surrounding said vent and a valve body closeable in said seat, said valve body having inner and outer faces respectively exposed

to said passage and the atmosphere when said valve body is closed against said seat, said surfaces being proportioned and arranged so that said valve body is held closed by atmospheric pressure when water flow in said Venturi tube causes a pressure reduction in said detergent passage on the opposite side of said valve means.

2,625,177 PILOT OPERATED QUICK OPENING CONTROL VALVE

Joseph F. Ziskal, Cicero, Ill., assignor to International Harvester Company, a corporation of New Jersey

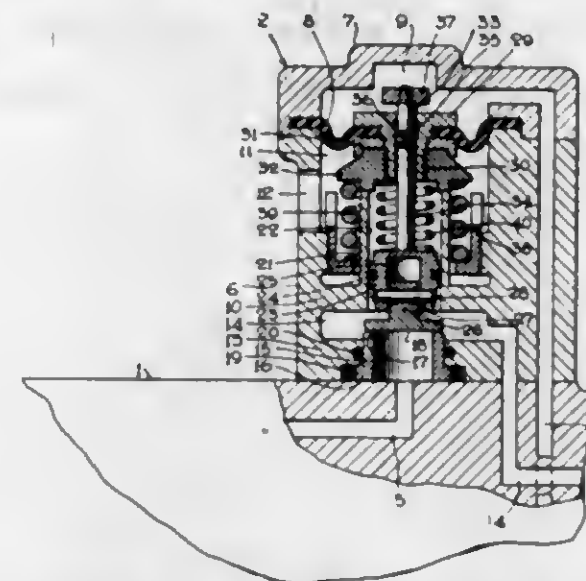
Application November 19, 1947, Serial No. 786,988
2 Claims. (Cl. 137-688)



1. In apparatus for controlling the flow of liquid through a by-pass passage; a by-pass valve disposed in said passage between up-stream and down-stream portions thereof and including a valve seat circumscribing said passage, and a valve member seatable in a down-stream direction upon said seat for closing such seat; means for unseating said valve member comprising a control cylinder, a plunger structure blocking off a control chamber in the cylinder and comprising parts which are individually advanceable axially of the cylinder by the force of liquid under pressure in said chamber, and captive spring means between and distortable by said parts for exerting a valve-opening force through one of said parts against the valve member in an up-stream direction to displace the same from said seat pursuant to advancement of the other of such parts by the force of liquid under pressure in the chamber; a liquid transfer passage communicating between said chamber and up-stream passage portion, said plunger structure having a transverse area subjected to the liquid in the chamber exceeding the area embraced by the valve seat wherefore an advancing force exerted on the plunger structure by liquid in the chamber will exceed a seating force exerted on the valve member by liquid in the up-stream passage portion without the unit pressure of liquid in the chamber necessarily exceeding that of the liquid in said passage portion; a control passage communicative with said control passage, said control valve having ports and passages arranged when in open position to cause diversion of said liquid through the control passage at a rate diminishing the pressure of liquid in the chamber sufficiently that the pressure in the up-stream passage portion prevails in holding the by-pass valve member seated and when in closed position to trap the transferred liquid in said chamber and increase the pressure therein sufficiently to cause said advancement of the plunger structure parts.

2,625,178 QUICK-ACTING VALVE DEVICE

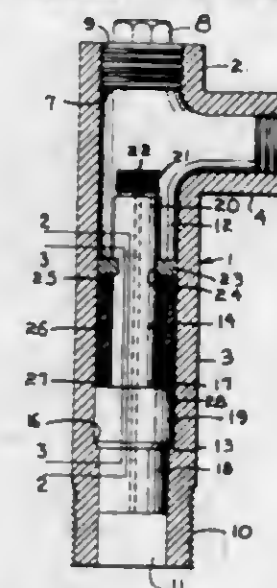
Donald Jay Price, Hewlett, N. Y., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application August 7, 1947, Serial No. 766,973
3 Claims. (Cl. 137-688)



1. A fluid pressure controlled snap acting valve device comprising a casing, a valve therein controlling a communication between an inlet passage adapted to be charged with fluid under pressure and an outlet passage, a fluid pressure controlled movable abutment, spring means operative by said abutment when subject to a certain pressure of fluid to close said valve, means operative upon a certain movement of said abutment relative to said valve in response to reducing said pressure of fluid on said abutment to render said spring ineffective and to initiate opening of said valve, and means subject to pressure in said inlet and an opposing lower pressure operative by the pressure in said inlet upon opening of said valve being initiated to move said valve relative to said abutment against said spring to a wide open position.

2,625,179 FLOW CHOKE

Marion A. Robertson and James C. Sanders, Alvin, Tex.
Application August 13, 1946, Serial No. 690,281
7 Claims. (Cl. 138-44)



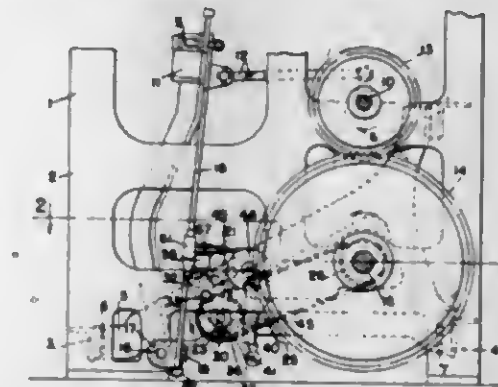
1. A flow choke comprising a housing having a passage therethrough and a replacement aperture communicating with said passage, a shoulder in said passage, a choke assembly slidably fitting within the passage and seated upon said shoulder, and a valve member in said passage, said valve member being movable between a closed position in which it seats against said shoulder and an open position in which it is moved away from said shoulder.

666 O. G.—31

said assembly comprising an enlarged choke body, a reduced portion extending downstream from said body and a reduced portion extending upstream from said body and having a restricted bore therethrough and seal means surrounding said choke body and operable by fluid admitted to the passage to form a seal between said bodies.

2,625,180 PICKING MECHANISM FOR LOOMS

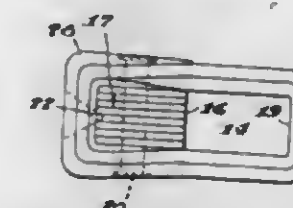
Raymond F. Dion, Leominster, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 30, 1951, Serial No. 218,429
15 Claims. (Cl. 139-146)



1. In picking mechanism for a loom having a lay and a picker stick thereon, a flexible cable operatively connected at one end thereof to said picker stick, means holding the other end of the cable fixed, a guide sheave rotatable about a stationary axis and around a part of which the cable is trained, a movably mounted actuator sheave around part of which the cable is trained located along the length of the cable intermediate the guide sheave and said other end of the cable, and means to move the actuator sheave to cause the cable to move the picker stick.

2,625,181 LOOM PICKER HEAD

Albert E. Chouinard, Worcester, Mass., assignor to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts
Application September 17, 1948, Serial No. 49,691
2 Claims. (Cl. 139-159)



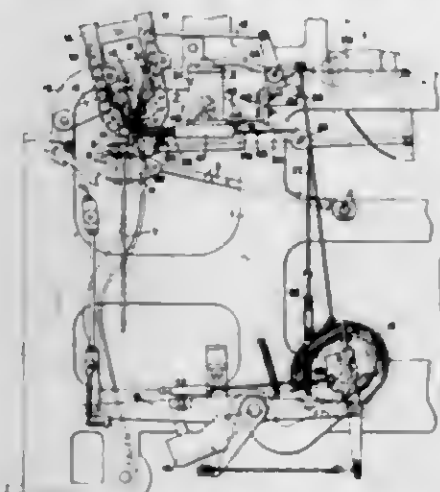
1. A loom picker head comprising an impact member and a multi-ply loop structure within which the impact member is secured and through which the picker head is secured to the picker stick, said impact member being of a construction to minimize compression thereof under the impact of the shuttle, said impact member consisting of a laminated block with the laminations disposed longitudinally of the picker head made up entirely of a plurality of rawhide pieces assembled in side by side relation, said loop structure comprising a composite strap of durable fibrous material having a rawhide portion and a longer leather portion, said composite strap being wound about the impact member to form a double-ply loop portion and a triple-ply portion, the latter including the rawhide portion of said strap, said rawhide portion surrounding two sides and the

front face of the impact member, said impact member extending the full width of the loop portion of the picker head, and a plurality of rivets extending through the triple-ply portion of the loop structure and transversely through the impact member.

2,625,182

PNEUMATIC THREAD HOLDER FOR WEFT REPLENISHING LOOMS

Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 24, 1951, Serial No. 212,577
13 Claims. (Cl. 139-256)

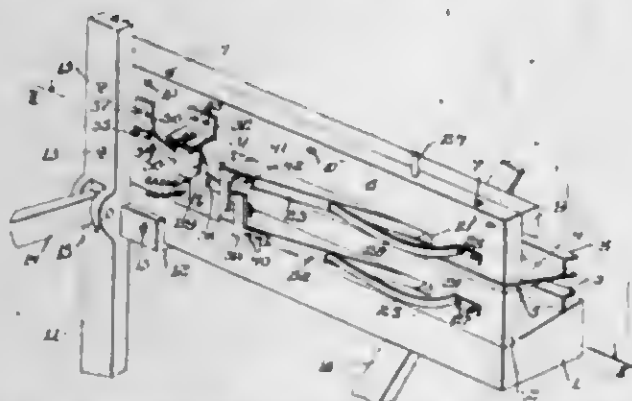


1. In support means for a weft end thread holder and a thread accumulator in which sub-atmospheric pressures are created, a base having a part to fit the accumulator and having an air and thread port therein, a bearing on the base having a bore therein, a tubular member having an air and thread passage therein communicating with the intake mouth of a thread holder on the member, the latter being mounted for sliding movement in said bore, said member having an opening therein affording pneumatic connection between said passage and said port, and stop means on the tubular member limiting sliding of the member in said bore to a range of movement throughout which the port is in pneumatic communication with said passage through said opening.

2,625,183

LOOM SHUTTLE BOX WITH ELECTRIC SWITCH LOOM CONTROL

Andrew J. Dufourd, Los Angeles, Calif., and Frank A. Lovshin, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York
Application November 28, 1951, Serial No. 258,612
10 Claims. (Cl. 139-341)



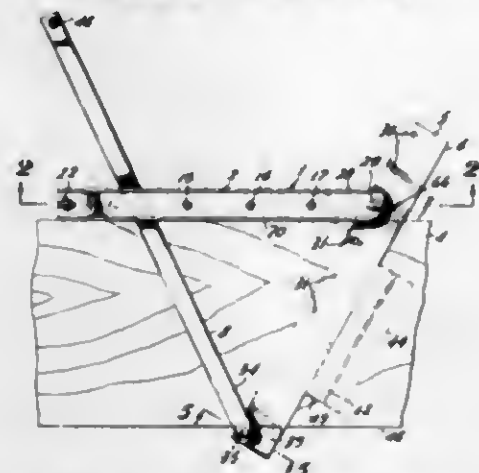
1. A shuttle box construction for double shuttle looms comprising, upper and lower shuttle

boxes, a movable shuttle binder for each box biased to move inwardly thereof into the shuttle path, a loom control switch associated with the boxes, and means operable by either binder for governing the said switch.

2,625,184

GUIDE FOR ELECTRIC HANDSAWS

Otis D. Harbert, Covina, Calif.
Application March 28, 1949, Serial No. 83,880
2 Claims. (Cl. 143-6)

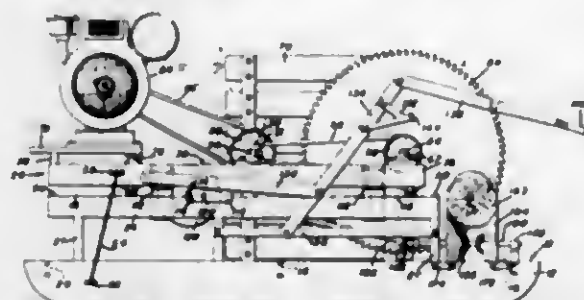


2. A guide for an electric hand saw comprising a head having a pair of members having oppositely extending flanges lying in a plane, said members each having a bottom extending outwardly of said plane, a saw guide having a rear edge and a straight edge, and a clamp bolt at one end of said members for clamping said rear edge between the bottoms of said members with said straight edge outwardly disposed from said end of said members, and a brace between said head and said saw guide, said saw guide and said brace comprising means for supporting the guide in position on a work piece with one of said flanges serving an edge of the work piece, or in reversed position with the other of said flanges serving said work piece edge.

2,625,185

SAWING MACHINE WITH IMPROVED FEED ACTUATION

Roy L. Merry, Milo, Maine
Application May 26, 1950, Serial No. 164,549
2 Claims. (Cl. 143-47)



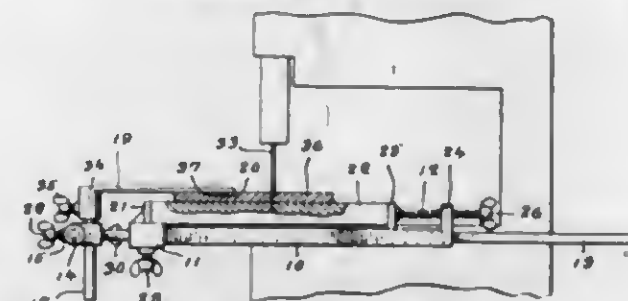
1. In a log sawing machine, the combination with an elongated base, log feeding means on said base for feeding a log across the base including an operating shaft, a saw carriage on the base having a rotary saw thereon and movable to advance and retract the same and the saw relative to the log, and a power drive on said carriage for said saw, of a manually operative link assembly pivoted on said base and carriage and operative to advance and retract the saw and carriage, and a friction drive for said shaft comprising a rotary friction driving member on the carriage driven by said power means and advanced and retracted by and with said carriage,

a friction driven rotary member operatively connected to the shaft, means pivotally mounting said friction driven member on the base for swinging into engagement with the friction driving member when the carriage, saw and friction driving member are retracted, said link assembly including a part engaging and swinging said means when the carriage, saw and friction driving member are retracted.

2,625,186

BAND SAW CIRCLE CUTTER GUIDE

Landon C. Sayers, Tazewell, Va.
Application January 30, 1951, Serial No. 208,595
3 Claims. (Cl. 143-171)

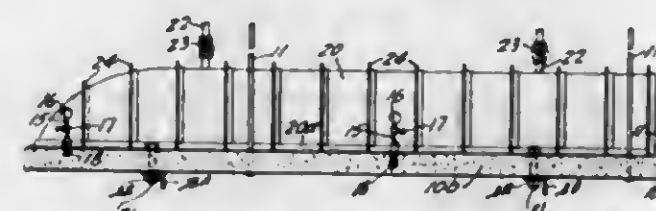


3. A band saw attachment comprising a tube having flat sides with a projection at one end and an adjusting screw at the other end, said adjusting screw adapted to coact with the projection for clamping the tube in a horizontal position below a saw table, a bar slidably mounted in the said tube, means clamping the bar in adjusted positions in the tube, a tubular socket having a thumb screw therein carried by the outer end of the bar, a rod slidably mounted in the tubular socket of the bar, a head having a vertically disposed socket therein slidably mounted on the rod, a post having a center point on the upper end adjustably mounted in the vertically disposed socket of the head, thumb screws in the said head for securing the head in adjusted positions on the rod and the post in adjusted positions in the head, an arm having a center point thereon adjustably mounted on the post, said arm having a hub positioned on the post, and a thumb screw in the hub for securing the arm in adjusted positions on the said post, said tubular socket being horizontally disposed and arranged in alignment with respect to said bar.

2,625,187

APPARATUS FOR MOLDING VENEER BOATS

Burke Frees, Jr., Minneapolis, Minn.
Application November 17, 1948, Serial No. 60,597
2 Claims. (Cl. 144-281)



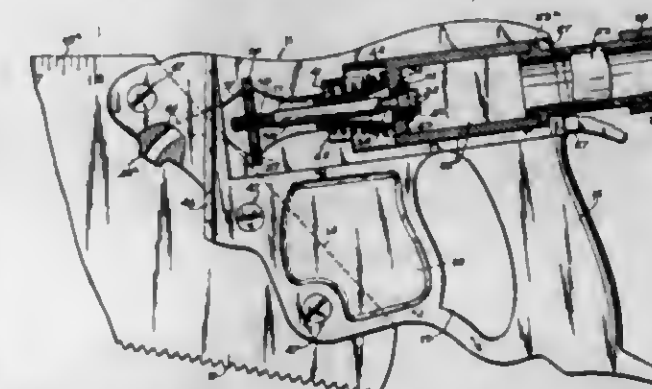
1. A form for use in making an article to be molded comprising a body having an outer surface of the shape of the inside of the desired article, said body having an outwardly projecting flange at its lower side and having an outer layer of wood forming its outer surface, a plurality of vertically extending guide rods at each side of said form extending upwardly from said flange, a metal shell having substantially the shape of said form and having an outwardly projecting

flange at its lower side, said last mentioned flange having openings therethrough through which said guide rods are arranged to extend so that said shell can be elevated in alignment with said form and substantially above the upper portion of the same on said guide rods, said shell having a diaphragm therein shaped to extend over said form and secured at its lower edges to said shell and forming a chamber between said shell and said diaphragm, valve equipped inlet conduits at the top of said shell adapted to admit air or steam under pressure and valve equipped outlet conduits adjacent the bottom of said shell.

2,625,188

SAW BLADE LUBRICATOR FOR HANDSAWS

Morris Moskoff, New York, N. Y.
Application November 17, 1948, Serial No. 60,507
4 Claims. (Cl. 145-35)

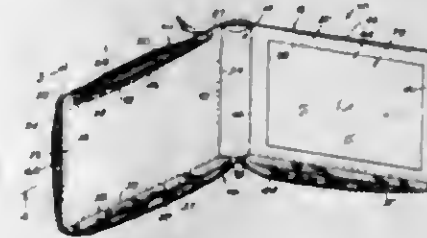


1. Lubricating means for a saw having a blade and a handle at one end of the blade, comprising a lubricant reservoir carried by the handle means including a manual actuator for at will discharging a part of the lubricant from the reservoir onto blade, said handle along its upper portion having a chamber elongated substantially in the direction of length of the saw blade, said reservoir being slidably positioned in said chamber, yielding means urging said reservoir in one direction, said actuator being a plunger fixed at its forward end to the rear end of the reservoir and projected rearwardly from the handle, said plunger being hollow and with the inner end of its tubulation in open communication with the interior of the reservoir, a detachable means for closing the rear end of the plunger, and a manually adjustable means for modifying the action of said yielding means, said modifying means having an actuator projected into the reservoir and so located therein as to be engageable by a screw-driver or the like inserted through the plunger for effecting such adjustment.

2,625,189

COMBINATION WALLET AND PURSE

Simon Kneec, Newark, N. J.
Application November 8, 1949, Serial No. 126,081
8 Claims. (Cl. 150-35)



1. A wallet comprising a folded blank forming integral outer walls and an inner wall integral with each of said outer walls, said blank having

a slotted portion along the fold between one of said outer walls and the inner wall integral therewith, an additional blank disposed between said inner and outer walls, said additional blank being secured at opposing ends thereof to the adjacent marginal edges of said inner and outer walls, respectively, and being secured at a longitudinal edge thereof to the longitudinal edges of said inner walls opposite the fold in said first mentioned blank to form a first pocket with said outer walls open along an edge of said wallet, and a wall part secured to said one outer wall adjacent said slotted portion, said wall part being substantially coextensive with said slotted portion and extending between the inner wall integral with said one outer wall and said additional blank to form a second pocket therewith open along an edge portion of said wallet opposite the opening of said first pocket, both of said blanks being foldable along a line between the inner walls to close said wallet, said additional blank being secured to said last mentioned inner wall adjacent said line to define the inner end of said second pocket, and closure means disposed along said slotted portion for closing the opening of said second pocket, the remainder of the edge of said wall opposite the opening of said first pocket being constituted by the fold in said first mentioned blank.

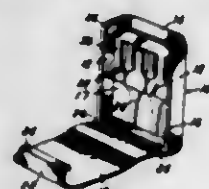
2,625,190

KEY HOLDER

Edwin G. Dimond, Flint, Mich.

Application August 6, 1949, Serial No. 109,023

2 Claims. (Cl. 150-40)



1. In a key case including a container, the combination of a supporting member within said container extending along and secured to one end of the container, said supporting member having a plurality of integral fingers depending therefrom, said fingers extending in parallel, spaced relation and being formed of a resilient material which is sufficiently rigid and self-supporting to maintain said fingers in said parallel, spaced relation, and means integrally connected with the free ends of said fingers for fixedly holding a key, whereby said fingers and the said key holding means tend to maintain the keys in an orderly, aligned position within said container.

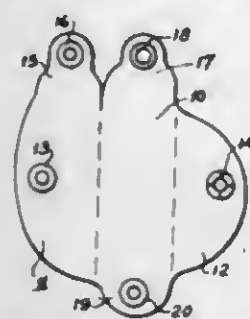
2,625,191

POCKET KEY CASE

Lester L. Sherwood, Banning, Calif.

Application September 11, 1950, Serial No. 184,211

1 Claim. (Cl. 150-40)



In a pocket key case, a pair of walls of flexible material, tabs on the ends of one of said walls a

tab on one end of the other wall which tabs are turned inward so as to lie between said walls, eyelets seated in said inwardly turned tabs and a key chain passing through said eyelets and lying wholly between said walls.

2,625,192

BELT SUPPORTED BATTERY CASE

Adam L. Kinskie, Morristown, Tenn.

Application April 25, 1950, Serial No. 158,000

2 Claims. (Cl. 150-52)



1. A battery case comprising a normally vertical back plate adapted to be secured to a support, a receptacle comprising a bottom wall on and projecting forwardly from the lower part of a side of the back plate, a front wall on and rising from the forward edge of said bottom wall and forwardly spaced from said back plate, and side walls on the side edges of said front wall projecting rearwardly thereon to the region of said back plate, a closure flap comprising a first vertical side wall portion secured to said plate along a side edge thereof, said first side wall portion projecting forwardly from said back plate along the outer side of the related side of said receptacle, said closure flap further comprising a front plate on and projecting laterally from a forward part of said first side wall portion and extending across the forward side of said receptacle toward the side of said back plate remote from said first side wall portion, and a second vertical side wall portion on said front plate projecting rearwardly toward said back plate and having a free vertical edge unconnected to said back plate, said second vertical side wall portion normally extending along the outer side of the side of the receptacle remote from said first vertical side wall portion, and fastening means acting between said second vertical side wall portion of the closure flap and the adjacent side wall of the receptacle releasably holding said closure flap in closed position to retain a battery seated in said receptacle.

2,625,193

TRACTION DEVICE FOR PNEUMATIC TIRES

Joseph La Rocca, Cleveland, Ohio

Application April 13, 1948, Serial No. 20,807

4 Claims. (Cl. 152-225)



1. A traction device particularly adapted for use with pneumatic tires, which device consists

of a relatively short, stubby open centered wire loop which has upstanding arcuate end portions adapted for inherent releasable clamping engagement with the side walls of said pneumatic tire, said wire loop being of continuous integral construction and having base portions adapted to engage with the periphery of a tire to provide traction elements thereon, said end portions gripping the side walls radially inwardly of the widest portions thereof and being of shorter height than the radial length of the side walls of said tire with which the device is to be associated but being of such length to extend over the broadest portion of said tire to a point adjacent the bead thereof.

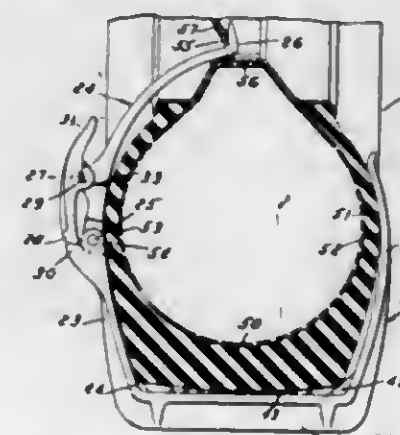
2,625,194

TRACTION DEVICE

John M. Westrate, Pleasant Ridge, Mich.

Application May 26, 1952, Serial No. 289,994

16 Claims. (Cl. 152-228)



1. A device for augmenting the surface gripping characteristics of a vehicle tire comprising a C-shaped traction cleat adapted to lie across the tread of a tire and adapted to extend radially inwardly from a tire tread area partially over a tire side wall area on either side of a tire, a first dog on said cleat adjacent the outer end thereof, an anchor link having one end initially insertable in an aperture of a vehicle wheel and subsequently inextricably cocked therein and having the other end thereof pivotally connected to said cleat, and a second dog on said link adapted to engage said first dog on said cleat to prevent said cleat and said link from pivoting outwardly thereby holding the device locked on a wheel.

2,625,195

BARREL DENT-REMOVING MACHINE

Albert F. Tremblay, Toledo, Ohio, assignor to

Kent-Owens Machine Company, Toledo, Ohio,

a corporation of Ohio

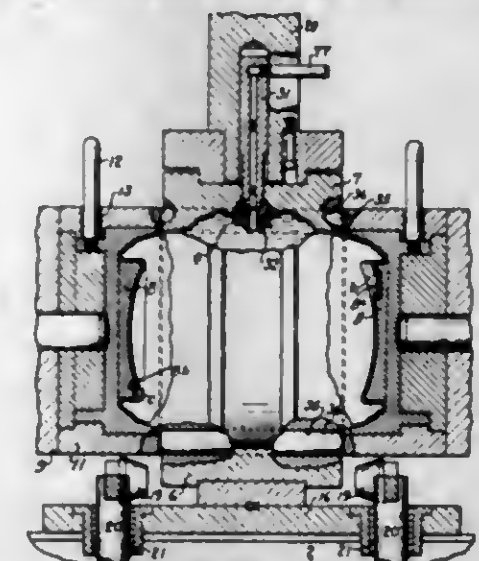
Application January 31, 1950, Serial No. 141,477

15 Claims. (Cl. 153-32)

1. In a machine of the class described having a mold with a plurality of movable sections to permit its closing about a deformed container, a fluid pressure system including rams for moving said sections and also valves for controlling fluid pressure actuated movements of the rams to move the sections to open and close the mold, means operable to boost the pressure in said system when the mold sections are closed, and means for introducing an expanding pressure into a container when held in the mold.

15. In a machine of the class described, a mold having a plurality of sections movable into and out of barrel-holding position, a ram for moving each movable die section, a fluid pressure system associated with said rams and operable to control the movements of the rams, said system includ-

ing a fluid pressure power source and a plurality of valves for controlling the action of the fluid on said rams to move them in and out, an electrical control system operable to selectively control said valves, hydraulic means for introducing pres-



sure into and expanding a barrel held in said mold when closed, means operable to boost the pressure in said fluid pressure system, and means operable by back pressure in the fluid pressure system to effect operation of said booster means.

2,625,196

STRETCHING MACHINE JAWS

Ellis W. Cooper, Los Angeles, Calif., assignor to

North American Aviation, Inc., Inglewood,

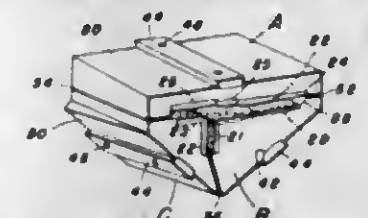
Calif., a corporation of Delaware

Original application March 11, 1944, Serial No.

526,115. Divided and this application July 22,

1949, Serial No. 106,828

1 Claim. (Cl. 153-35)



In a stretch forming machine for stretching and forming a workpiece by simultaneous application of stretching force and bending moment, a set of jaws, one at each end of the workpiece, each jaw being comprised of a plurality of serrated hardened jaw facings, each facing having a contour complementary to and adapted to engage a corresponding portion of said workpiece whereby all surfaces of said workpiece are engaged by said facings, the opposite side of each jaw facing being provided with a plurality of anchor beads of dovetail cross section; and body portions of relatively soft cast material engaging said opposite sides and cooperating with said anchor beads to hold said jaw facings thereto, said body portions being provided with tapered sides remote from said jaw facings, said tapered sides including rib portions projecting therefrom, said tapered sides being in engagement with said stretch forming machine for forcing said jaw facings into gripping engagement with said workpiece.

2,625,197

SLIDE BINDER CLAMPING APPARATUS

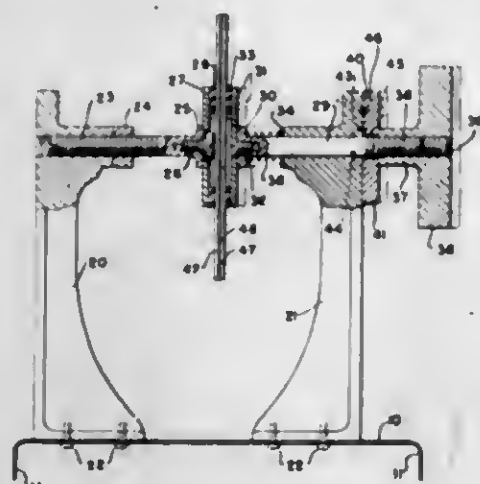
Lawrence E. Chamberlain, Mansfield, Ohio

Application December 1, 1950, Serial No. 198,627

12 Claims. (Cl. 154-1.6)

1. In apparatus of the character described, a base, a pair of separable clamps mounted upon

said base and adapted to support glass slides therebetween, means for directing binding tape



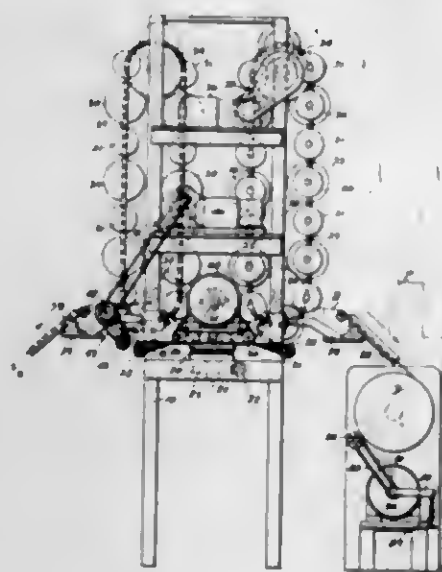
to the top edge of said slides, and rolling cam means for separating said clamps.

2,625,198

TIRE BUILDING APPARATUS

Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio

Application June 27, 1950, Serial No. 170,663
14 Claims. (Cl. 154-10)



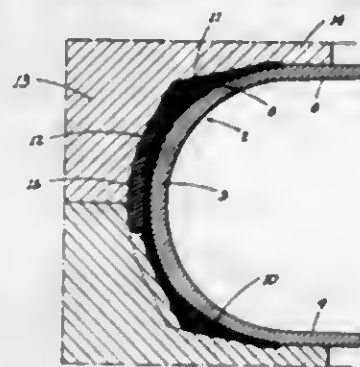
1. In a tire building apparatus, the combination of a rotary stock carrying roll, a rotary tire building drum to which stock may pass from the stock roll, power mechanism for rotating the stock carrying roll and mechanism actuated by the rotation of the drum and independently of a pull on the fabric for causing the roll operating mechanism to rotate the stock roll in the unwinding direction.

10. A servicing machine having a rotary turret carrying two sets of stock carrying rolls, one of said sets mounted in the turret for loading while the other set delivers stock, means for rotating the turret to interchange the loading and delivery position of said rolls, a pair of rollers adapted to engage stock on each roll, a common driving means for simultaneously rotating both rollers, and means for idling the driven roller which would coact with the stock on the roll being loaded while the other roller, coacting with the stock on the roll from which stock is being delivered, is active.

2,625,199
METHOD OF TOP-CAPPING HEAVY-DUTY TIRES

Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California

Application October 31, 1950, Serial No. 193,093
4 Claims. (Cl. 154-14)

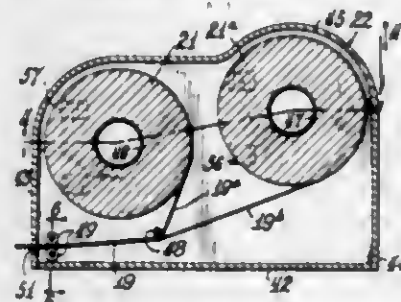


3. The method of top-capping a vehicle tire initially having traction cleats and intermediate traction grooves extending well down on the side-walls of the tire; said method comprising preparing the crown of the tire for the reception of camelback, substantially filling the traction grooves with the removable material not affected by vulcanizing heat, applying camelback on the prepared crown from side to side thereof and over the outer ends of the grooves, vulcanizing said camelback onto the tire, and then removing said groove filling material.

2,625,200

SUPPLY CONTAINER FOR COMPOSITE TAPE
Benjamin Hirszon, Rio de Janeiro, Brazil, assignor of one-half to Joseph Anthony Paparelli, Rio de Janeiro, Brazil

Application August 24, 1948, Serial No. 45,891
2 Claims. (Cl. 154-37)



1. A dispensing container including side walls and a connecting wall between said side walls, a pair of hubs bridging said side walls, two strips of adhesive coated tape in roll form mounted one on each hub, a rod bridging said side walls and over which the tapes from both rolls are drawn so as to adhesively attach one to the other, the connecting wall having an opening through which the adhesively attached tapes are drawn, and two pairs of rollers arranged in the container adjacent to said opening, said pairs of rollers being spaced apart so that the rollers of each pair bear on opposite faces of the margins of the tapes to press the margins firmly together.

2,625,201

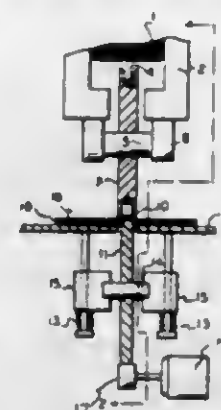
MEANS AND METHOD OF SEALING PLASTIC MATERIALS

Edward W. Smith, Melrose Highlands, Mass.

Application May 10, 1949, Serial No. 92,338
14 Claims. (Cl. 154-42)

2. A heat sealing apparatus for joining thermoplastic sheet materials comprising a

platen on which the sheets are positioned, a heat sealing head having contact flanges projecting downward against the material for maintaining the materials in contact with one another on both sides of a line where the seal is to be



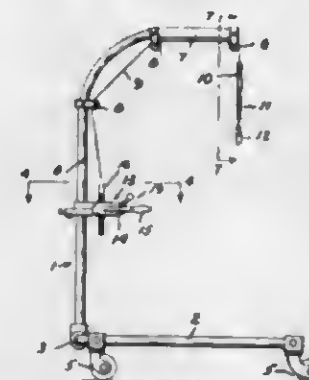
made and for enclosing the area over the portion of the line where the seal is to be made, and heating means carried by said head positioned away from the surface of the sheet material for heating the materials to the point of fusion whereby a fused seal will be effected.

2,625,202

WALKER FOR INVALIDS

Lawrence Richardson, Cambridge, Mass., and Cleves Richardson, Louisville, Ky.

Application June 15, 1949, Serial No. 99,268
13 Claims. (Cl. 155-24)



1. A device of the character described for supporting and aiding a person in walking comprising a wheeled carriage including a horizontal U-shaped base frame, an upright rising from the front of the base frame and having its upper end extending rearwardly to form an arm overhanging the open center of the base frame, a flexible suspending member in traveling relation to said arm and depending therefrom at the rear end thereof, a sling bar centrally connected to the rear end of the flexible suspending member, loops at opposite ends of the bar and resiliently connected therewith for up and down movements independent thereof, and means connected with the suspending member for moving said member to raise and lower the sling bar.

2,625,203

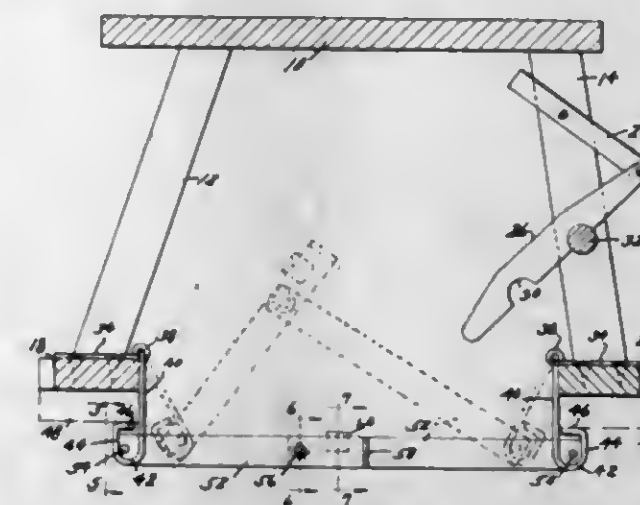
COMBINED HIGH CHAIR AND WALKER

John J. Brazell, Baldwinville, Mass., assignor to E. L. Thompson Chair Corporation, Baldwinville, Mass., a corporation of Massachusetts

Application February 9, 1949, Serial No. 75,341
2 Claims. (Cl. 155-39)

1. In a device of the class described, a supporting base including legs and a pair of substantially parallel, spaced horizontal members thereon, a detachable seat, a plurality of pairs of legs on the

seat, a substantially flat member on each said pair of legs, said flat members being substantially parallel and spaced to correspond with the horizontal members and forming a strong flat support for the seat selectively on the horizontal members of the supporting base or on a supporting surface, a flat plate on each flat member, a pivot knuckle on each plate at the inner edge



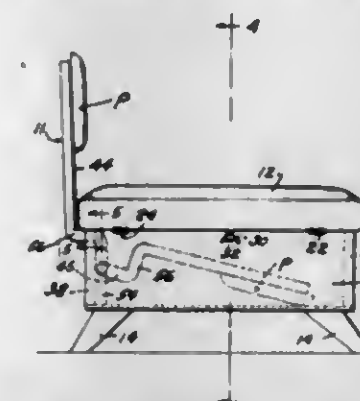
of the respective flat member thereof, a spring strap clip pivoted to each knuckle and depending therefrom, and a resilient latching offset portion on each spring strap clip underlying the respective horizontal members of the supporting base, said plates and clips yieldably and releasably clamping the horizontal members and the flat members together.

2,625,204

COMBINATION OTTOMAN AND CHAIR

Samuel G. Reichman, Flint, Mich.

Application May 26, 1950, Serial No. 164,510
10 Claims. (Cl. 155-152)



1. A combined ottoman and chair comprising a base having a top hingedly connected thereto at one side of the same, a back rest, pivot means within the base connecting the back rest to the base for movement of the back rest from a position totally within the base to a position extending erect from the base and clear of the top when the latter is in closed position upon the base, said back rest and base having formations arranged to cooperate to prevent movement of the back rest beyond said second mentioned position, and said top arranged to overlie said formations when in closed position to conceal the same.

2,625,205

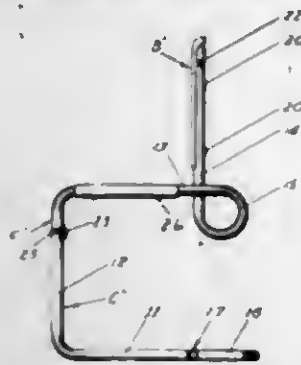
SPRING OSCILLATING CHAIR

Fred T. Holmes, Denver, Colo.

Application March 24, 1947, Serial No. 736,639
3 Claims. (Cl. 155-54)

1. A chair comprising two separate tubular side frame members for spaced positioning and each

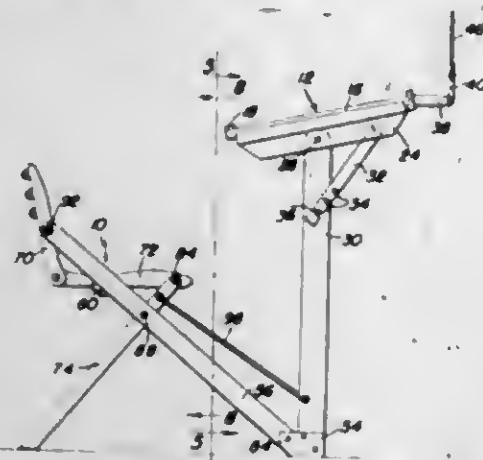
so formed as to provide a horizontal floor engaging section, a front upwardly extending leg section, a substantially horizontal rearwardly extending seat supporting section and a rear upwardly extending back supporting section with a looped portion between it and the seat supporting section to thereby permit yieldable relative movement between the sections, a separately



formed tubular member detachably connected at its end to the rear ends of the floor engaging sections, and detachable means associated with the upwardly extending back supporting sections for rigidly maintaining said supporting sections in spaced relation and for providing a back for the chair, and a seat of readily flexible material extending between and attached to the seat supporting sections.

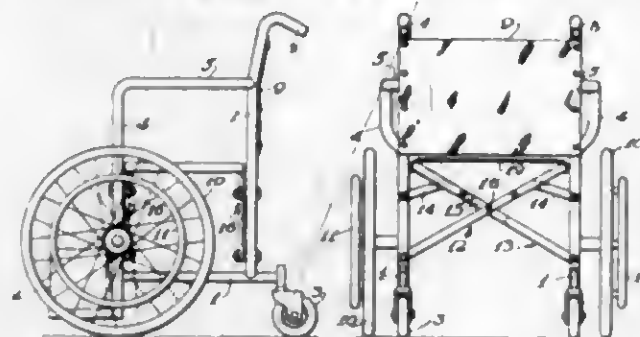
2,625,206
COMBINATION CHAIR AND TABLE
Albert Abbate and Emilio Cappelletti,
Detroit, Mich.

Application January 23, 1950, Serial No. 139,974
4 Claims. (Cl. 155-124)



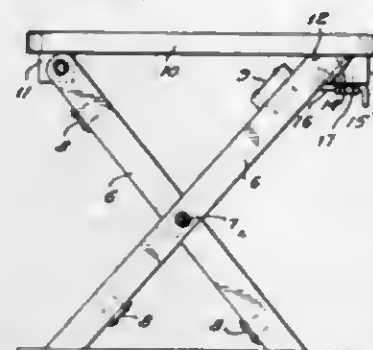
2. A combination chair and table structure which comprises a chair back and seat and a table top arranged to fold to a position wherein said back, seat and top are in side by side relation, said structure comprising a pair of parallel, spaced, vertical legs, a table top pivotally connected to the upper ends of said vertical legs, angularly extending support arms pivotally secured at their lower ends to the lower ends of said vertical legs, a chair back disposed between said support arms and being pivotally secured thereto intermediate its top and bottom edges, a chair seat pivotally secured to the lower edge of said chair back at its rearward edge, a pair of angularly extending support legs pivoted to the forward edge of said chair seat and crossing said support arms intermediate the ends of said support arms, said support arms and support legs being pivotally secured to one another, links pivotally connecting said angularly extending support legs and said vertical legs, said links limiting movement of said support legs with respect to said vertical legs whereby movement of said chair back and seat away from said table top is limited.

2,625,207
FOLDING WHEEL CHAIR
Samuel Duke, Chicago, Ill.
Application January 6, 1949, Serial No. 69,469
2 Claims. (Cl. 155-140)



1. In a folding wheel chair, front legs, rear legs, means for securing the front wheels of said wheel chair to said front legs, said front legs having substantially horizontal portions forming arms, means connecting said arms with said rear legs, a flexible seat supported below the level of said arms in the operative position of the chair, said front legs bulged outwardly with respect to each other at their upper ends and having the arm portions thereof diverging from each other from the ends secured to said rear legs to the front ends thereof, folding braces connecting said front legs to said rear legs, and hinge rests connecting said folding braces to said front and rear legs, said hinge rests in one position of said folding braces supporting same against adjustment in one direction, said flexible seat manually adjustable to move said folding braces from extended to folded position.

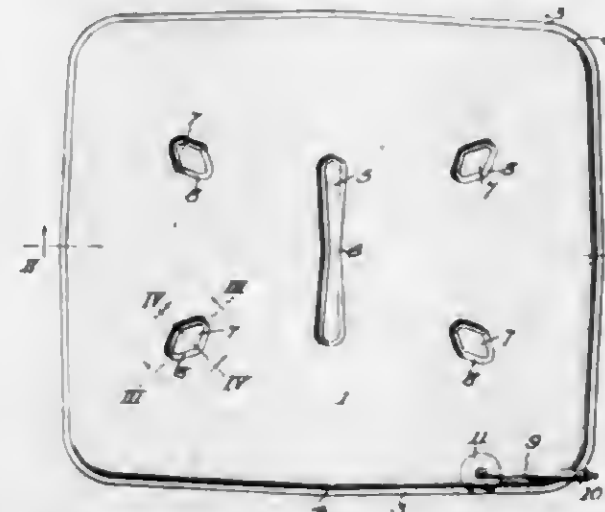
2,625,208
FOLDING STOOL
Jim Lee, New York, N. Y.
Application November 29, 1950, Serial No. 198,175
3 Claims. (Cl. 155-150)



1. A folding stool comprising two pairs of supporting members, means pivotally connecting one pair of said members to the other pairs of members intermediate the ends thereof, said pairs of members forming when in service position the general outline of the letter X, a seat, means pivotally mounting said seat at one end to the ends of a pair of said members, means forming an interlock between the other end of the seat and the ends of the other pair of members when the stool is in service position, said means forming an interlock including an abutment on said other end of said seat having an inclined surface, and an interlocking brace mounted on and connected to the said ends of the other pair of members and adapted to engage the inclined surface of said abutment, another brace also connecting the ends of the other pair of members, said last named brace being mounted adjacent the upper ends and on the opposite side of said members from said interlocking brace; said second named brace having

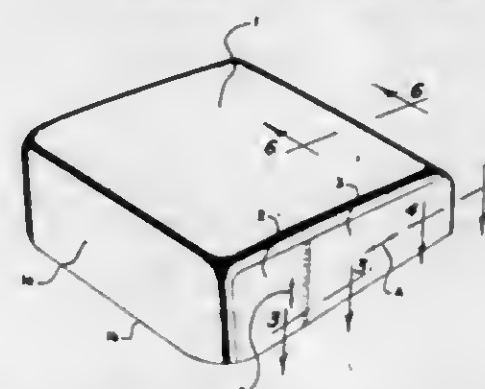
an abutting surface adapted to frictionally engage the corresponding surface on said seat when in non-service position, said seat surface being parallel to the axis of said means pivotally mounting said seat to the ends of a pair of said members.

2,625,209
INFLATABLE RUBBER ARTICLE
Marshall L. Harrison, Roslyn Estates, and William D. Stearns, Freeport, N. Y., assignors to Parker, Stearns and Company, New York, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,033
3 Claims. (Cl. 155-179)



1. An inflatable article of the character described comprising generally rectangular upper and lower walls of elastic rubber-like sheet material free of fabric reinforcement, the peripheral edges of which are welded together flatwise to form a reinforcing bead lying substantially in the median horizontal plane of the article when inflated and at least two opposite sides being bowed slightly outward when the article is deflated, there being formed through said walls at least one elongated opening, narrower in the middle than at the ends when the article is deflated, and a plurality of diamond-shaped openings, the edges of said walls around said elongated and diamond-shaped openings being welded together flatwise to form beads.

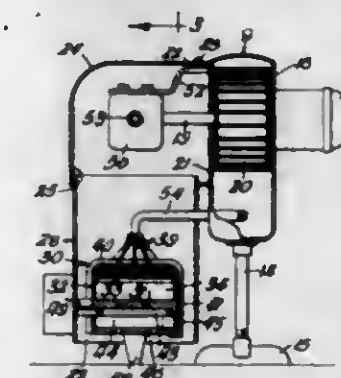
2,625,210
REMOVABLE SEAT COVER
Fred F. Eull, San Diego, Calif., assignor to
Walter W. Tufford, San Diego, Calif.
Application March 20, 1950, Serial No. 150,760
7 Claims. (Cl. 155-182)



4. In a removable seat cover, a cover portion having an upper flexible seat top covering portion, provided with a downwardly extending portion adapted to be secured beneath the frontal

portion of a seat and having a backwardly extending tab portion, provided with fastening means thereof, elastic means forming the sides of said cover and secured thereto, and extending around the rearward portion thereof, adapted to cover the vertical side and rear portions of a seat, and a fastening strip secured to said elastic means at the rear of said cover and having fastening means thereon engageable with said first-mentioned fastening means for securing said seat cover at the under side of a seat cushion, said elastic means stretchable in two different directions, vertically and horizontally, said elastic means comprising three strips, one substantially U-shaped, extending around the sides and rearward portion of said cover, and the other two extending from said cover member near the frontal corners of the cover and adapted to extend downwardly over the vertical frontal corners of a seat cushion.

2,625,211
OIL AND AIR PREHEATER FOR OIL BURNERS
Harold S. Hill, Lockport, N. Y.
Application April 21, 1950, Serial No. 157,393
2 Claims. (Cl. 158-36)

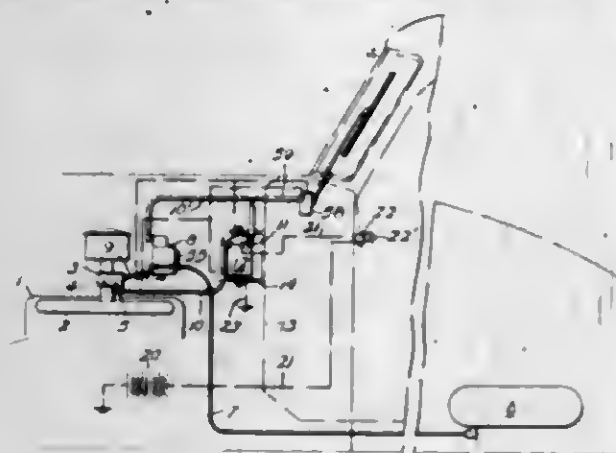


1. A preheater for the air and liquid fuel supplied for combustion to combustion apparatus, comprising a liquid fuel casing having an inlet for said liquid fuel, a heater arranged to apply heat to the fuel within said liquid fuel casing, a thermostat responsive to the temperature of said liquid fuel in said liquid fuel casing and controlling said heater to prevent the temperature of said liquid fuel in said liquid fuel casing from rising above a predetermined maximum, a liquid fuel outlet line from said liquid fuel casing leading to said combustion apparatus, an air casing enveloping said liquid fuel casing in spaced relation thereto and open to the atmosphere at its bottom, a fan arranged to withdraw air from said air casing, and an outlet duct from said fan leading to said combustion apparatus and arranged below the level of the upper part of said air casing to cause warm air to be trapped in the upper part of said casing during off periods of operation of said fan.

2,625,212
FUEL FEEDING AND ACCESSORY SYSTEM FOR MOTOR VEHICLES
Anton Rapp, Eggertsville, N. Y., assignor to
Trico Products Corporation, Buffalo, N. Y.
Application July 26, 1947, Serial No. 763,839
10 Claims. (Cl. 158-36.1)

1. An accessory system for a motor vehicle having a power plant with a primary source of variable suction and a carburetor, a gravity flow tank connected to the carburetor, a supply tank connected to the first tank for replenishing the supply of fuel in the latter, an auxiliary source of

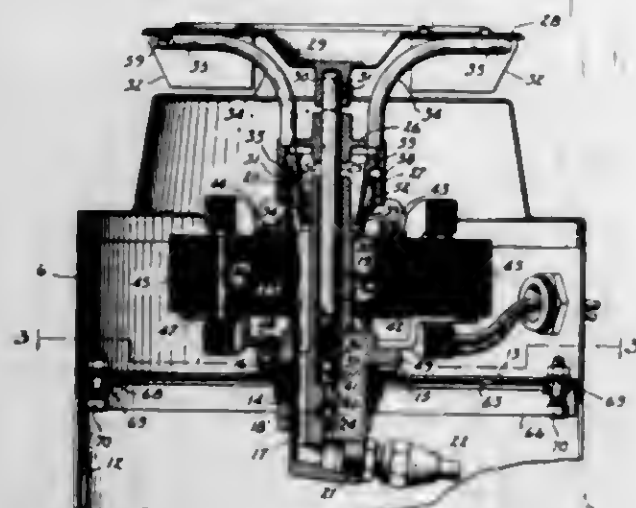
suction operated by an electric motor and connected along with the primary source for causing fuel to flow from the supply tank to the first tank to effect such replenishment, and a fuel chamber interposed between and communicating



with the first tank and the carburetor for fuel flow therethrough and having a switch in circuit with the electric motor and responsive to the weight of fuel in the chamber for operating the auxiliary source of suction upon a predetermined reduction in the weight of the fuel in the chamber.

2,625,213 BURNER

William J. Smith and William W. Slaght, Rocky River, Ohio, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 14, 1947, Serial No. 734,765
9 Claims. (Cl. 158-77)

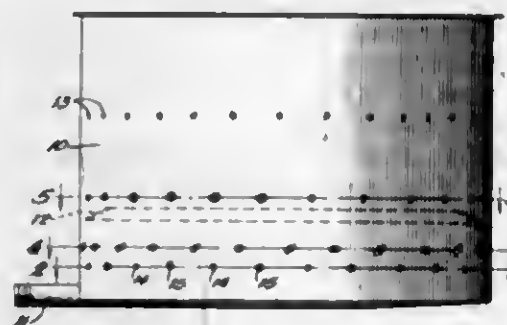


8. A fuel feeder for liquid fuel burners comprising a housing having an outlet at its top adapted to deliver air through a hearth opening, said housing having an air inlet and a partition above said inlet provided with a set of spaced openings for passage of air, fuel feeding means including a distributor head rotatably mounted in the housing above said partition, a fan carried by said head for drawing air upwardly through said housing and means for delivering liquid fuel to said head, an adjustable closure member having a set of spaced openings certain of which register with certain of the partition openings in one position of the closure member and are completely out of registry therewith in another position of the closure member, one of the openings of one set being relatively small and positioned to register with one of the openings of the other set when the partition and closure members are positioned with all of the other openings therein completely out of registry.

2,625,214

POT TYPE OIL BURNER

Rosecoe N. St. John and Kenneth E. Goldsberry, Wichita, Kans., assignors to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas
Application May 22, 1948, Serial No. 28,693
2 Claims. (Cl. 158-91)

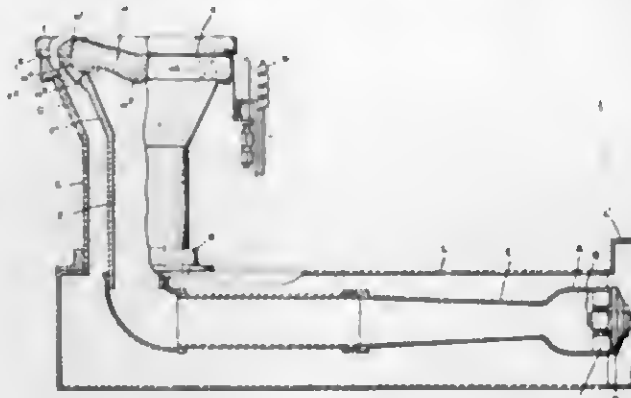


1. In a pot type burner, a pot casing providing a side wall and a substantially flat bottom wall and equipped at its bottom with an oil inlet pipe, said side wall being provided with air ports tipped downwardly to discharge air streams toward the bottom of the pot and with air ports therebelow tipped laterally to spread said downwardly-directed streams over the bottom of said pot, the second-mentioned ports in one half of the pot on one side of said inlet pipe being spaced apart throughout said half of the pot and being tipped laterally, and said second-mentioned ports in the other half of said pot being spaced apart throughout said half of the pot and being tipped laterally in an opposite direction, whereby air in the lower portion of the pot is caused to rotate in two annuli with the adjacent sides of the annuli traversing the center of the pot.

2,625,215

GAS BURNER AND SECONDARY AIR FEED MEANS

Leo E. Hart, Ferndale, and Robert C. Brown, Detroit, Mich.
Application December 13, 1948, Serial No. 65,034
3 Claims. (Cl. 158-99)



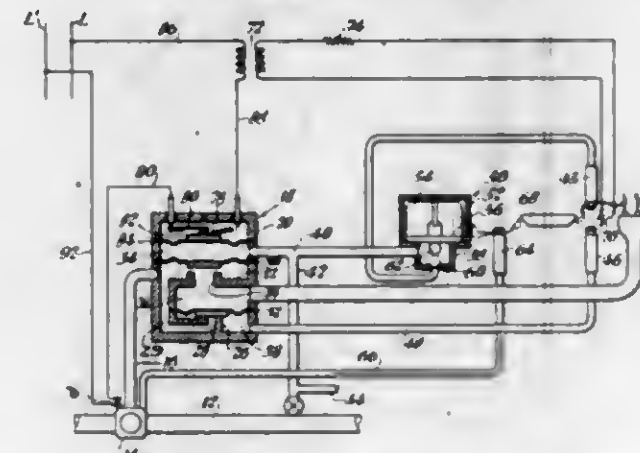
3. In apparatus for burning gaseous fuels, an upwardly extending conduit having a flaring portion at its upper end, a similar inner conduit supported upon and spaced from the aforesaid conduit to form an annular channel therebetween with the opposite faces near the top of the flaring portions fashioned to impart a restriction of Venturi form to the channel therebetween, a closure for the upper end of the inner conduit resting thereon and together therewith forming a series of radially outwardly directed jet apertures below the upper end of the outer conduit and above the restriction portion of the annular channel, and a ring resting upon said outer con-

duit forming an upward extension thereof but with a thin slot between the same offset above the plane of said jet apertures.

2,625,216

CONTROL AND IGNITION SYSTEM FOR FUEL BURNERS

Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa., a corporation of Delaware
Application December 30, 1948, Serial No. 68,340
11 Claims. (Cl. 158-124)

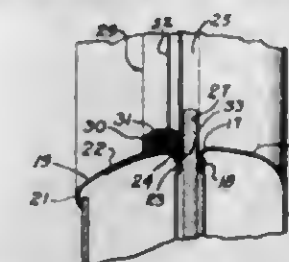


1. A control and ignition system for fuel burners having a main burner, a pair of pilot burners juxtaposed with the main burner, a main valve device having means including a pair of diaphragm members defining first, second and third pressure chambers, said first and third chambers being adapted for connection with one and the other of said pilot burners respectively, said second chamber being adapted for connection with the main burner, means for supplying fuel under pressure to said chambers, valve means movable between open and closed positions and operatively associated with one of said diaphragm members for controlling the supply of fuel to said second chamber, said one diaphragm having one side thereof subject to the fluid pressure in the said first chamber, second valve means movable between open and closed positions and operatively associated with the other of said diaphragm members for controlling the supply of fuel to said third chamber, said other diaphragm member having one side thereof subject to the fluid pressure in said second chamber, a control valve device adapted to be responsive to a flame originating at said other pilot burner and being movable between positions for controlling the connection to said one pilot burner and the pressure in said first chamber, said control valve device being biased to a position for establishing an initial pressure in said first chamber sufficient for causing said one diaphragm member to close said first named valve means thereby limiting the initial pressure in said second chamber for causing said other diaphragm member to open said second valve means, an electric igniter for said other pilot burner, means operative upon establishment of said initial pressure for conditioning said igniter for an igniting operation, and magnetic means operatively associated with said control valve device and being effective upon said control valve device becoming responsive to said flame for overcoming said bias and opening said connection to said one pilot burner thereby reducing the pressure in said first chamber for causing said one diaphragm member to open said first named valve means and establish a pressure in said second chamber sufficient for causing said other diaphragm member to close said second valve means.

2,625,217

WINDOW SCREEN

Gladys M. Spiller and Eugene W. Spiller, St. Louis, Mo.
Application July 26, 1951, Serial No. 238,708
2 Claims. (Cl. 160-90)



1. In a vehicle window having a pair of spaced parallel moldings of curved cross section and a pane slidably mounted between said moldings, the combination therewith of a frame of elastic material, said frame conforming to the outline of one of said moldings and having a grooved peripheral surface complementary to the surface of said one molding, the edge of said frame adjacent said pane lying in substantially the same vertical plane as the edge of said molding whereby to permit free movement of said pane.

2,625,218

WINDOW

Alexis Nihon, Montreal, Quebec, Canada
Application January 21, 1949, Serial No. 74,595
4 Claims. (Cl. 160-103)



3. In a window, a frame, a sill extending across the central portion of said frame, a transparent panel slidably supported within said frame, said transparent panel comprising a pair of transparent sheets having an air space sealed therebetween, a screen slidably mounted within said frame to the rear of said transparent panel, a pair of threaded shafts located below said sill, a worm wheel located at the lower end of each of said threaded shafts and adapted to rotate the same, a worm located between said worm wheels and engaging both of the same, a motor connected to said worm for driving said worm wheels in opposite directions, threaded brackets on the lower portion of said transparent panel and said screen, said threaded shafts engaging said threaded brackets for opening or closing said transparent panel and simultaneously moving said screen in the opposite direction to that of said transparent panel, and means for disengaging the worm wheel operating the threaded shaft which controls the movement of said screen.

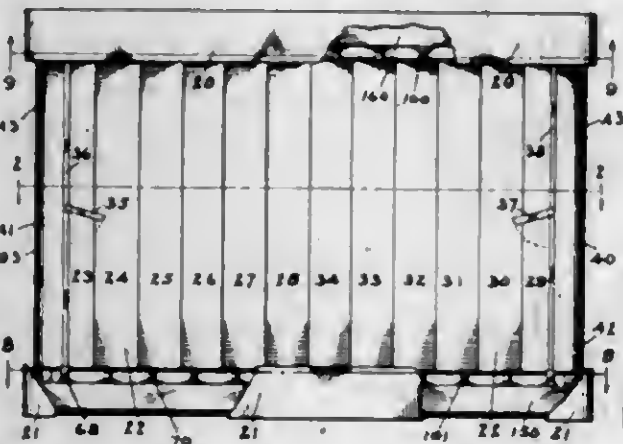
2,625,219

LATERALLY TRAVERSING VERTICAL BLIND

Clifford E. Peck, Indianapolis, Ind.
Application May 3, 1951, Serial No. 224,377
2 Claims. (Cl. 160-168)

1. A multiple slat blind comprising a pair of spaced apart parallel shafts; means revolubly

supporting said shafts in fixed longitudinal positions; a plurality of brackets mounted on said shafts to have the shafts extend revolvably there-through and the brackets shiftable therealong; a carrier mounted on each of said brackets to be revolvable on axes normal to the shafts, the carriers of brackets on one shaft being directed toward carriers of brackets on the other shaft; a drive member carried by the bracket in each instance to be revolved by rotation of the shaft; a driven member carried by said carrier in each instance to be in driving engagement with the driving member, whereby rotation of the shafts cause rotation of the carriers; means interengaging the ends of the slats with said carriers to have the slats extend from the brackets in substantial parallelism one slat with another; means maintaining said brackets in uniform spacing one from the other along each of said shafts; said means comprising a lazy tongs having its ends secured



to end brackets on each shaft, and its intermediate cross member intersections secured one each to each bracket between said end brackets; a common end bracket on each shaft being fixed against travel along, and rotation about the shaft; and means independent of rotation of the shaft for expanding and contracting said lazy tongs to vary said bracket spacing comprising an endless cable having spaced portions fixed to that end of said lazy tongs in each instance removed from said fixed end bracket; a pulley at the extreme end of expansion of said lazy tongs in each instance; and pulleys at said fixed bracket in each instance; said cable being carried around said pulleys by parallel flights along said shafts and by continuous parallel flights between said shafts, whereby travel of the cable around the pulleys in one direction will expand both lazy tongs and in the other direction will retract both lazy tongs; said lazy tongs being fixed against revolution about said shafts.

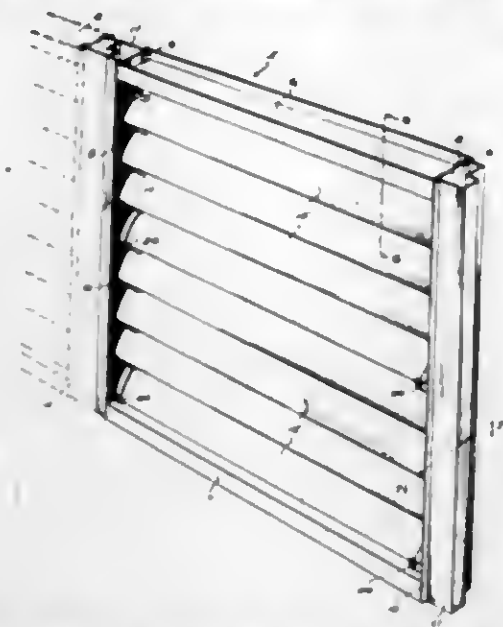
2,625,220

VENETIAN BLIND

Charles William Ferreira, Miami, Fla., assignor to Edward L. Denison, Miami, Fla.
Application October 8, 1951, Serial No. 250,349
4 Claims. (Cl. 160—172)

1. A slatted closure device including an open rigid frame consisting of a channel header and a channel sill, end panels rigidly connected to the header and sill, the end panels being centrally and vertically slotted and their vertical edges angled inwardly, a plurality of slats arranged in the frame in parallel overlapping relation for horizontal tilting and vertical shifting motion, trunnions riveted to the opposite ends of each slat and projecting through the panel slots, crank arms formed on the outer ends of each trunnion, common flexible connectors between each set of cranks whereby a tilting of one slat will impart

an identical tilting to all the slats, means formed on the end panels for axially pivotally positioning the uppermost slat and its trunnions against shifting movement, a yieldable member having identically spaced sockets that is supported upon the outer face of each end panel, the spacing of the sockets corresponding to the spacing of the slats when in fully extended covering position in the frame, thumb pieces carried by certain of the

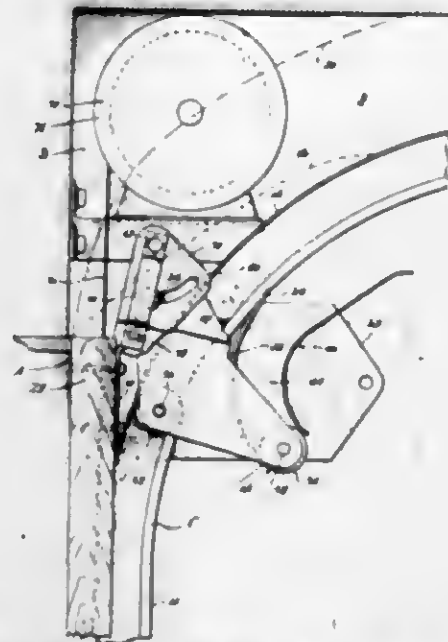


slats to impart tilting motion, the several slats being progressively shiftable upwardly for exposing the opening of the frame, the slats when shifted upwardly lying in parallel nesting engagement with uppermost slat with the lowermost slat and its trunnions having yieldable resting support upon the yieldable member and a cover device co-extensive with the end panels and having detachable connection with the angled edges of the end panels.

2,625,221

OVERDOOR

James H. McKee, Aurora, and Melvin E. Hartzler, Downers Grove, Ill., assignors to McKee Door Company, Aurora, Ill., a corporation of Illinois
Application September 15, 1948, Serial No. 49,428
5 Claims. (Cl. 160—209)



1. The combination with an overdoor adapted to close an opening in a building and two tracks attached to said building, said tracks being positioned adjacent the opening at opposite sides thereof in a plane substantially parallel to the vertical edge of said opening and having a vertical portion adjacent said vertical edge, a hori-

zontal portion extending away from said opening, and a curved portion connecting said vertical and horizontal portions, of a guiding and pivoting mechanism, said mechanism comprising first brackets pivotally connected to the upper corners of said overdoor, a second bracket secured to each of said first brackets, a track roller carried by each of said second brackets, said track rollers being movable along and guided in said tracks, a trolley carried by each of said second brackets, said trolleys being located rearwardly of said tracks, a third bracket attached to each track, a tripper bar carried by each third bracket, and a guide bar carried by each third bracket, said guide bars being located rearwardly of said tripper bars, said bars being disposed rearwardly of said tracks and arranged to engage opposite sides of said trolleys and curved away from said tracks in a downward direction at a radius of curvature less than the radius of curvature of said curved portion, whereby the trolleys bear against the guide bars to swing said second brackets about their track rollers and cause the upper portion of said overdoor to be guided in an arc closely approaching the curved portion of said tracks during the initial movement of said overdoor from the closed position.

2,625,222

PROGRAM ALARM DEVICE

Bunyan M. Fryc, Dallas, Tex., assignor of forty-nine per cent to Hugh M. Fryc, Sr., and Hugh M. Fryc, Jr., both of Dallas, Tex.
Application January 27, 1947, Serial No. 724,656
6 Claims. (Cl. 161—3)



1. In an automatic signaling device: a pair of panels, each of said panels having a series of spaced apertures; a plurality of plugs insertable in preselected apertures in said panels; a first endless tape mounted for movement parallel to the series of apertures in one of said panels; a first means on said first tape for engaging plugs inserted in said apertures in said one of said panels; a second endless tape mounted for movement parallel to the series of apertures in the other of said pair of panels; a second means on said second tape for engaging plugs inserted in said apertures in said other of said panels; timed means for driving said tapes; an electrically actuated signal device; and means operatively associated with said panels and said tapes for connecting said signal device across a source of electrical energy each time said first and second means simultaneously engage plugs inserted in said panels.

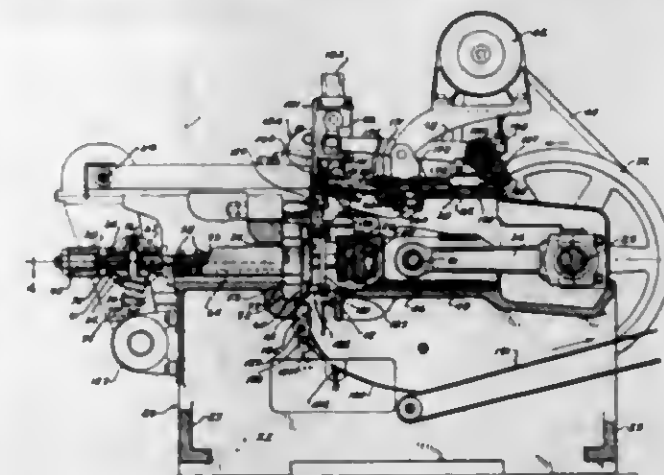
2,625,223

AUTOMATIC PLATE TRIMMING MACHINE

Arthur D. Lund, Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application October 17, 1946, Serial No. 703,799
15 Claims. (Cl. 164—21)

1. A machine of the character described for trimming off the marginal frame-like waste material from a rough cast grid plate, comprising a die, a punch supported for movement in a horizontal plane toward and away from the die, a

stripper member located in the path of the punch and having an opening to clear the punch as it moves toward the die, means for feeding rough cast plates one at a time to a hanging position between the die and the said stripper member,

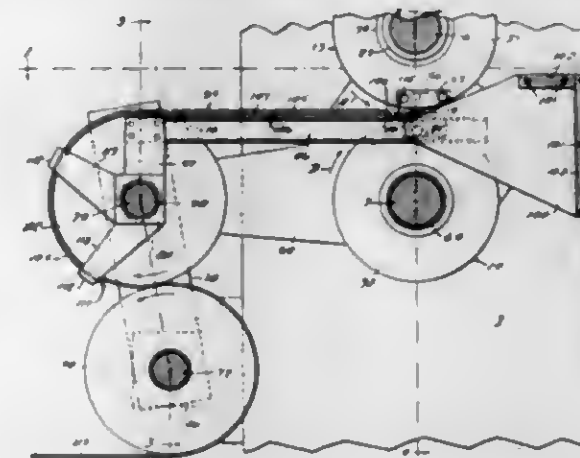


and the said punch being adapted to force the plate into the die and to carry the trimmed off frame-like scrap material away from the die into engagement with the stripper member whereby said member will strip the scrap off the punch.

2,625,224

PAPER-CUTTING MECHANISM

Elmer E. Garrett, Freeport, N. Y., assignor to The Sperry Corporation, Long Island City, N. Y., a corporation of Delaware
Application January 17, 1951, Serial No. 206,423
5 Claims. (Cl. 164—68)

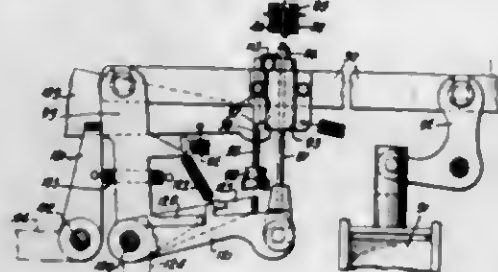


1. In a machine of the character described, the combination of a pair of cooperating axially immovable rotatable cutting rolls, a cutting blade carried by one of said rolls, an axially immovable rotatable feeding roll, a shaft mounted for oscillatory movement about the axis of said feeding roll, an idler roll rotatably mounted on said shaft, a carriage operative to insert successively predetermined lengths of the end of a web of stock between said cutting rolls, said feeding roll and said idler roll being operative to continuously feed said web of stock into said carriage, one end of said carriage being slidably mounted adjacent said cutting rolls and the other end of said carriage being mounted upon said shaft whereby said carriage is reciprocated by the oscillation of said shaft, means by which said cutting rolls are rotated in unison with each other, means by which said feeding roll is rotated in timed relation to said cutting rolls, and means operative to oscillate said shaft and reciprocate said carriage in timed relation to the rotation of said cutting rolls.

2,625,225

CARD PUNCH AND VERIFIER

William Wockenfuss, Union, N. J., assignor, by means assignments, to Burroughs Adding Machine Company, a corporation of Michigan
Original application January 31, 1950, Serial No. 141,428. Divided and this application October 24, 1950, Serial No. 191,757
7 Claims. (Cl. 164—113)



1. In a combined punch and verifier, a punch element and a verifying pin co-axially arranged one within the other and with said pin having movement relative to said punch element when verifying a card, means for operating said punch element and pin including a common actuator upon which said element is supported and having means to guide said pin, said actuator having primary and secondary movements when punching a card and only a primary movement when verifying said card and said secondary movement being under control of said operating means, means to effect the primary movement of said actuator, means to disconnect said operating means from said punch element, and means then responsive to the primary movement of said actuator to operate said verifying pin relative to said punch element.

2,625,226

SUBSURFACE SAMPLER

Custer A. Wofford, Tulsa, Okla., assignor to Engineering Laboratories, Inc., Tulsa, Okla., a corporation of Delaware
Application December 12, 1947, Serial No. 791,281
1 Claim. (Cl. 166—19)



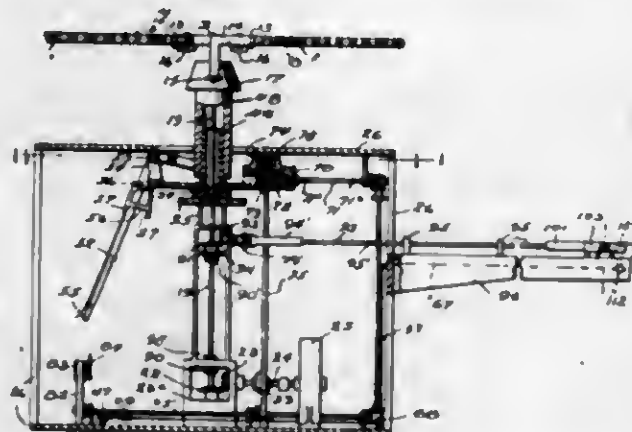
In a sampling device for receiving well fluid samples of the type that includes a casing, a valve at each end of said casing, and means resiliently biasing the said valves to closed position, the improvement that comprises a hollow interlocking body mounted at one end to said casing, at least a portion of the other end of said body comprising a plurality of pronged, tubular members, said members being internally upset at their upper end, an interlocking pin

attached at one end to one of said valves for slidable movement on the inner surface of said body, said pin having on its other end an enlarged head, a sleeve attached at one end to the other of said valves for slidable movement on the outer surface of said body, said sleeve having a restricted portion at the valve attachment end whereby in response to the opening of said valves said enlarged head is forced above said pronged, tubular members and said sleeve locks said pronged, tubular members below said head.

2,625,227

PITCH CHANGE MEANS FOR HELICOPTER ROTORS

Isidor B. Laskowitz, Brooklyn, N. Y.
Application January 12, 1948, Serial No. 2,035
9 Claims. (Cl. 170—135.22)



1. In a helicopter, a frame, a support mounted vertically in said frame, a rotary shaft mounted vertically in said support and projecting above said frame, a platform supported upon said support and having a tube projecting above said frame about the shaft, a rotor at the upper end of said shaft having blades pivoted for pitch adjustment, a cam about said tube shiftable vertically thereon for imparting pitch adjustment to the blades, means for moving said platform in a horizontal plane, a remotely controlled member carried by the platform for shifting the cam vertically, a drive for rotating said shaft, a bracket extending from said frame, a transmission shaft extending longitudinally of the bracket, a cross shaft extending transversely of the bracket and rotated from the transmission shaft, an auxiliary rotor carried by the cross shaft and having blades pivoted for pitch adjustment, means for adjusting pitch of blades of the auxiliary rotor including a rod extending longitudinally through the cross shaft and shiftable longitudinally, a stem rotatably mounted through the bracket, an arm extending laterally from the stem and engaging said rod, a cross bar carried by said stem, a pivoted foot bar, and cables connecting ends of the foot bar with ends of the cross bar whereby movement of the foot bar will turn the stem and effect longitudinal shifting of the rod to adjust blades of the auxiliary rotor.

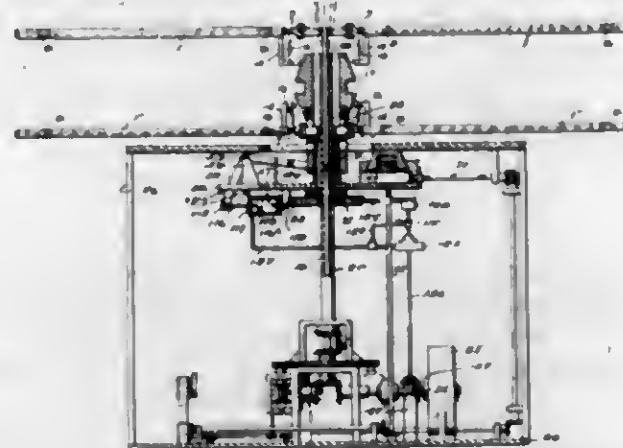
2,625,228

AUTOMATIC BLADE ANGLE CONTROL FOR HELICOPTERS

Isidor B. Laskowitz, Brooklyn, N. Y.
Application January 12, 1948, Serial No. 2,036
6 Claims. (Cl. 170—135.27)

1. In a coaxial helicopter construction, an automatic blade pitch angle control mechanism, said mechanism comprising a support having an upright hollow stud thereon, a tubular supporting

staff, blade pitch angle changing cones mounted on said staff, an upright bracket and a depending bracket on said support, a bellcrank lever, a piston, piston rod and cylinder, a pump and fluid reservoir or chamber, a prime mover, said lever being pivotally mounted in said upright bracket and having one end pivotally connected to said tubular staff and its other end pivotally connected to the free end of the piston rod, said cylinder being pivotally connected to the depending



bracket, the piston rod end of said cylinder having flexible yieldable tubular fluid connection with said pump, said pump having operative mechanical connection with said prime mover whereby said pump may be operated, said chamber having tubular fluid connections with said pump, said staff being movably and telescopically connected to said hollow stud, the pivoted end of said cylinder having a vented portion, and means for moving said cones automatically to their lowest position, should the prime mover fail.

2,625,229

POWER-DRIVEN SKI

Stanley Van Voorhees, West Los Angeles, Calif.
Application May 19, 1950, Serial No. 162,982
24 Claims. (Cl. 180—1)

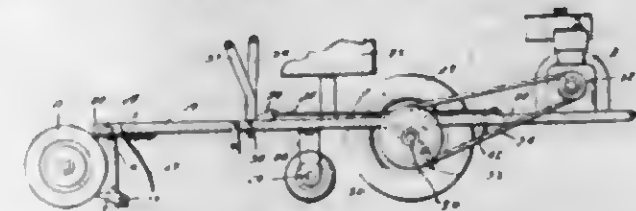


1. A power driven ski, comprising: a ski body member formed with a gliding surface; at least one endless belt having a traction surface; means for rotatably supporting said endless belt on said body member in superposed relationship to the surface thereof opposite to said gliding surface; means for mounting a skier's boot to said body member; said body member being invertible to move said gliding surface from a downwardly facing position engaging a snow covered surface to an upwardly facing position as said traction surface is moved into a downwardly facing position in which it is adapted to engage said snow covered surface; and power means for driving

2,625,230

WHEELED MOTOR CARRYING ATTACHMENT

Adolph E. Burkhardt, Poland, Ohio
Application February 7, 1950, Serial No. 142,817
3 Claims. (Cl. 180—11)

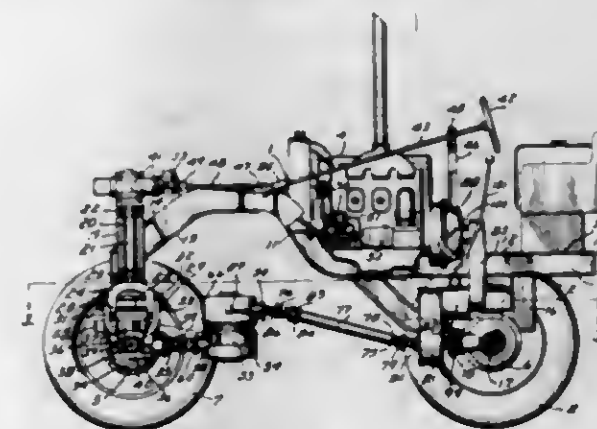


1. A device for driving a lawn mower comprising a vehicle having a longitudinally extending frame, a plate on the rear end of said frame and movable longitudinally thereof, an engine on said plate, a ground engaging wheel journaled in said frame and spaced forwardly of said engine, a pulley on and driven by said engine and a pulley secured to said ground engaging wheel, and a belt connecting said pulleys, a lever pivoted on said frame and a rod connecting said lever with said plate whereby said plate and engine may be moved rearwardly of said frame for tensioning said belt so as to drive said ground engaging wheel, a forward portion of said plate comprising a brake shoe, said brake shoe depending from said plate and registrable with and engageable by said ground engaging wheel, said plate being movable forwardly of said frame by said lever and rod whereby the brake shoe engages said ground engaging wheel and the belt tension is simultaneously released.

2,625,231

DRIVE AXLE MOUNTED FOR SWINGING AND ROCKING MOTION

Fred P. Martin, Topeka, Kans.
Application August 23, 1950, Serial No. 181,077
7 Claims. (Cl. 180—49)



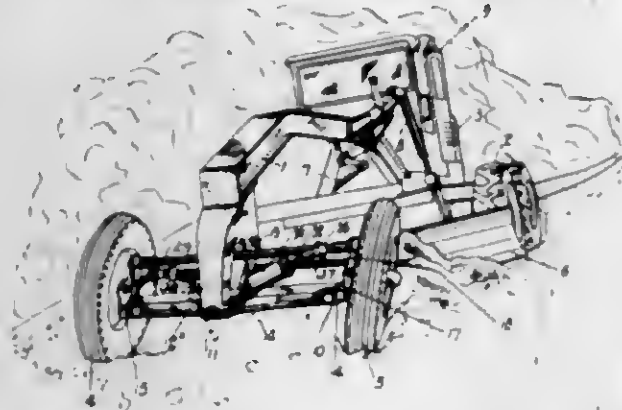
1. In a motor vehicle having a frame, engine and transmission mechanism thereon, a driving axle housing having differential gearing and axles therein, means on the frame supporting the axle housing for turning and rocking movement, the turning movement being about a vertical axis, means for selectively turning said axle housing about said vertical axis, a plurality of gear housings relatively rotatable about a vertical axis spaced from the vertical axis of the axle housing, arms fixed on said axle housing and extending therefrom, said arms rigidly supporting one of said gear housings thereon in spaced relation to the axle housing for movement with said axle

housing during turning and rocking thereof, operatively connected gears in the gear housings, means operated by the gears in the gear housing supported on the axle housing for driving said differential gearing in the axle housing, and means operatively connecting the transmission mechanism with the gearing in the other gear housing for driving same.

2,625,232

WHEEL MOUNTING ASSEMBLY

Anthony L. Lado, Rome, N. Y., assignor, by mesne assignments, to Rome Grader Corporation, Rome, N. Y., a corporation of New York
Application May 26, 1949, Serial No. 95,540
7 Claims. (Cl. 180—79.2)



6. A running gear comprising two elements, each consisting of a stub axle and two mutually perpendicular arms, one of the arms having an element of a ball and socket joint at each end, and the other arm one element of a ball and socket joint at one end, a main axle provided adjacent each end with one element of a ball and socket joint engaging the corresponding element on one end of the first mentioned arm, a tie rod having on each end one element of a ball and socket joint engaging the corresponding element on the other end of the first mentioned arm, a second tie rod having on each end an element of a ball and socket joint engaging the corresponding element on the end of the last mentioned arm, and moving means connected with each tie rod, and wheels carried by the stub axles.

2,625,233

METHOD OF FITTING HEARING AIDS

Robert O. L. Curry, Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 25, 1949, Serial No. 123,316
1 Claim. (Cl. 181—5)



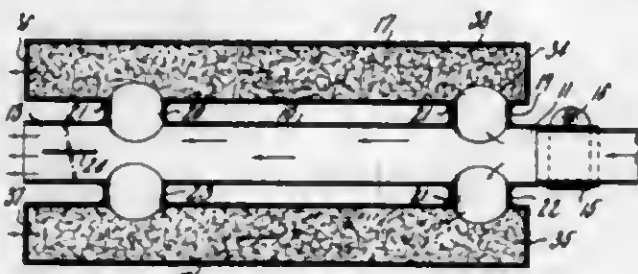
The method of fitting a deafened person with a hearing aid which comprises generating at each of a plurality of successively increasing volume levels a plurality of multifrequency audio signals, identifying as the threshold of normal hearing a volume level at which persons of normal hearing can repeat correctly in their entirety a known percentage of said signals, presenting said signals to a deafened person at each of a plurality of volume levels, observing the volume level at which said deafened person correctly repeats in their entirety said percentage of said signals and identifying the observed volume level as a preliminary threshold measurement, assembling an active network including circuit elements having the predetermined characteristics of a known combination of hearing aid components which will provide the amount of gain indicated by said threshold measurement as necessary to restore normal hearing and compensate for body baffle effect, presenting to said deafened person said multi-frequency audio signals modified by said network, observing the volume level at which said deafened person correctly repeats in their entirety said percentage of said modified signals and identifying the observed volume level as a secondary threshold measurement, comparing said threshold measurements, and then modifying the said network to provide a correctly compensated hearing aid.

bling an active network including circuit elements having the predetermined characteristics of a known combination of hearing aid components which will provide the amount of gain indicated by said threshold measurement as necessary to restore normal hearing and compensate for body baffle effect, presenting to said deafened person said multi-frequency audio signals modified by said network, observing the volume level at which said deafened person correctly repeats in their entirety said percentage of said modified signals and identifying the observed volume level as a secondary threshold measurement, comparing said threshold measurements, and then modifying the said network to provide a correctly compensated hearing aid.

2,625,234

VALVE CONTROLLED MUFFLER WITH A PLURALITY OF THROUGH PASSAGES

Perry B. Fina, New York, N. Y.
Application May 10, 1950, Serial No. 161,169
3 Claims. (Cl. 181—45)

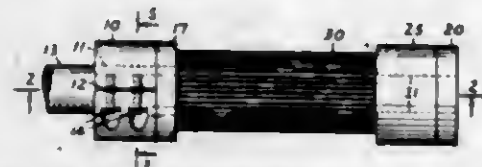


1. A muffler construction comprising a central pipe portion having an inlet and outlet end, said inlet end being adapted to be secured to an exhaust pipe of an internal combustion engine, silencing chamber portions each provided with front end and rear end and disposed at opposite sides of the central pipe portion interconnecting fittings longitudinally spaced from one another and establishing communication of the respective silencing chamber portions with the central pipe portion intermediate said inlet and said outlet end thereof, silencing material accommodated in said silencing chamber portions, said front ends of the silencing chamber portions being closed while the rear ends are open, and valve means arranged forwardly of said fittings in said central pipe portion and operable to either permit the passage of said exhaust gases through the central pipe portion or to divert the same through said fittings and the rear ends of the silencing chamber portions.

2,625,235

DISCHARGE SILENCER AND RECOIL COMPENSATOR

Cecil P. Caulkins, Niantic, Conn.
Application July 14, 1949, Serial No. 104,667
21 Claims. (Cl. 181—46)

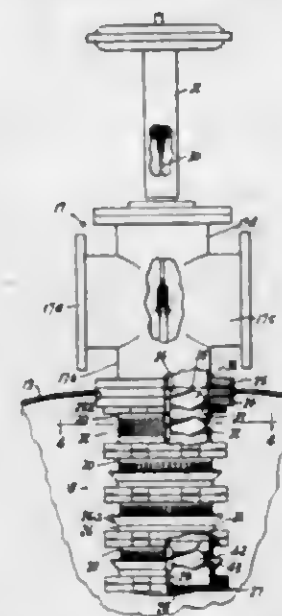


1. A device comprising a pair of longitudinally spaced relatively movable transverse rigid heads, one of said heads being provided with an intake opening, and a gas chamber between the heads of larger internal dimension than that of the opening, having a wall formed by a plurality of closely assembled longitudinally disposed resilient members with their ends affixed to the heads.

2,625,236

APPARATUS FOR SEPARATING GASES FROM LIQUID

John R. Rhinehart, Ridgewood, and Charles H. Eshrich, Hasbrouck Heights, N. J., assignors to Belco Industrial Equipment Division, Inc., Paterson, N. J., a corporation of New Jersey
Application August 26, 1948, Serial No. 48,284
3 Claims. (Cl. 183—2.5)

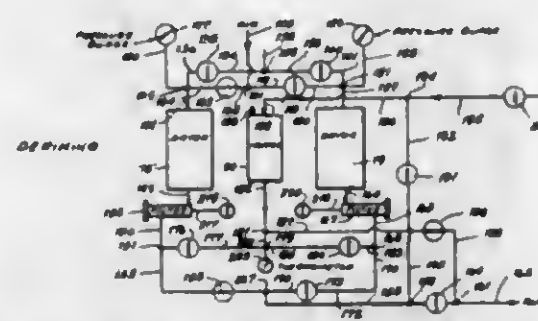


1. Apparatus for separating gases from gas containing liquid comprising a chamber, means for atomizing the liquid in a portion of said chamber, said atomizing means comprising a pair of slidably contacting members, one of said members being formed with a plurality of orifices, the other of said members being adapted to regulate the size of said orifices upon relative movement of said members, pressure responsive actuating means operatively connected to one of said members for slidably moving said connected member relative to the other member and means responsive to a liquid level in said chamber including a pressure line connected to said actuating means for automatically controlling the operation of said actuating means.

2,625,237

APPARATUS FOR DRYING GASES

Elmer J. Gribler, O'Fallon, and Herman A. Lorenz, Belleville, Ill., assignors to Independent Engineering Company, Inc., O'Fallon, Ill., a corporation of Illinois
Application January 11, 1947, Serial No. 721,508
19 Claims. (Cl. 183—4.7)



5. In an apparatus for drying and heating gases, a tank having two openings thereinto, means for connecting the tank into a first gas flow line, valves in the inlet and outlet sides of the connecting means, second means for connecting the tank into a second gas flow line, valves in the inlet and outlet sides of the second connecting means, a flow-through heater, and

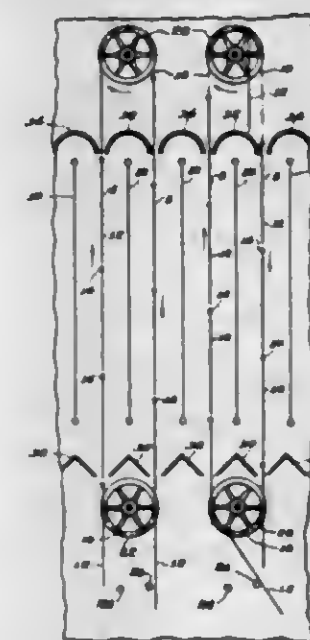
selectively operable means for selectively introducing the heater either into the outlet side of the first gas flow line or the inlet side of the second gas flow line.

12. A gas drying apparatus including a frame comprising two columns up one side, spaced supports, means attaching the columns and supports including cross beams across said one side, tanks in the frame, said tanks being insertable between the columns and cross beams, a removable beam between the columns across said one side between the ends of tanks to facilitate by removal thereof the insertion of said tanks in the frame, and means removably attaching the tanks to the beam for securement of said tanks in the frame.

2,625,238

APPARATUS FOR ELECTRICAL PRECIPITATION

John H. Roper, Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application July 12, 1947, Serial No. 760,833
5 Claims. (Cl. 183—7)

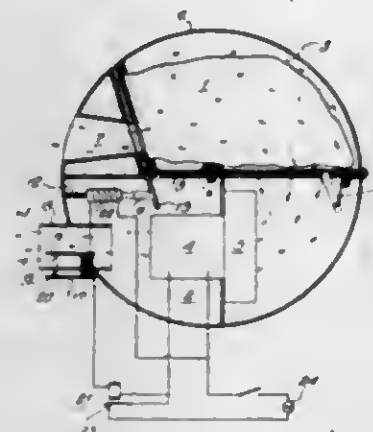


1. In an electrical precipitator the combination which comprises a housing, means including gas inlet and gas outlet means and upper and lower baffle means for directing the flow of gas horizontally through said housing, a vertical, planar collecting electrode disposed in said housing parallel to the plane of the direction of the flow of said gas, a discharge electrode operatively associated with said collecting electrode, and defining with said collecting electrode and said upper and lower baffle means a precipitation zone said collecting electrode being constituted of separate plates arranged one above the other in the plane of said electrode, means for causing said plates to move one after the other downwardly through said lower baffle means to a point below said precipitation zone, means for elevating said plates to a point above said upper baffle means and means for incorporating the elevated plates into said collecting electrode, said last named means and the means for elevating said plates being so correlated with the means for causing the plates to move downwardly through the precipitation zone as to provide a collecting electrode which has substantially continuous planar surfaces throughout the precipitation zone and means for dislodging dust from said plates while they are outside said precipitation zone.

2,625,239

VACUUM CLEANER MECHANISM RESPONSIVE TO THERMAL EFFECTS OF FILTER BAG FILLING

Edgar P. Senné, Rockville Centre, N. Y.
Application May 15, 1948, Serial No. 27,278
20 Claims. (Cl. 183—37)

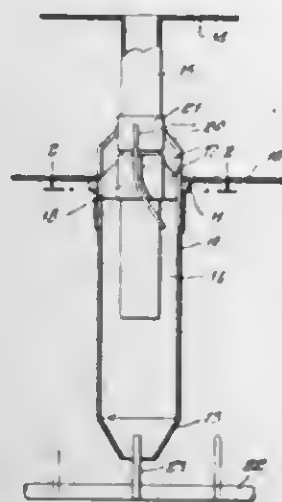


1. In combination in a vacuum cleaner, electrothermally heated means normally experiencing a change in temperature in response to the filling of said cleaner with filtered material, a device for performing a remedial function for said cleaner upon filling of said cleaner with filtered material to a predetermined degree, and a thermo-sensitive control operable in response to said change in temperature of said first-mentioned means to actuate said device upon filling of said cleaner to said degree.

2,625,240

APPARATUS FOR SEPARATING SUSPENDED PARTICLES FROM GASES

Charles B. McBride, Port Chester, N. Y., and Philip F. Best and Sidney R. Orem, Jr., Riverside, Conn., assignors to The Thermix Corporation, Greenwich, Conn., a corporation of Connecticut
Application October 17, 1950, Serial No. 190,542
13 Claims. (Cl. 183—76)

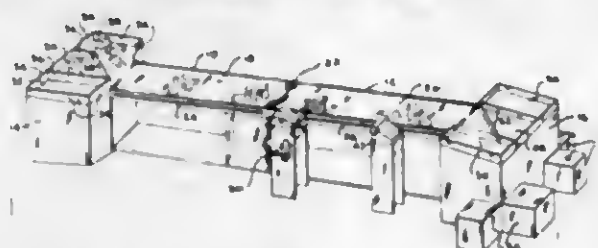


1. A centrifugal separating element which comprises a centrifugal tube, an open ended off-take pipe extending through one end of said tube to form an annular passage at said end of said tube, deflecting vanes of flexible resilient material in said passage extending radially thereof and inclined to the length of the tube to form rotatory passages, and an element having a relative rotational movement to said vanes to distort said vanes.

2,625,241

CHECKOUT COUNTER SYSTEM

George T. Smith, Lansing, Mich., assignor to George T. Smith, Inc., Lansing, Mich., a corporation of Michigan
Application March 28, 1949, Serial No. 83,838
4 Claims. (Cl. 186—1)

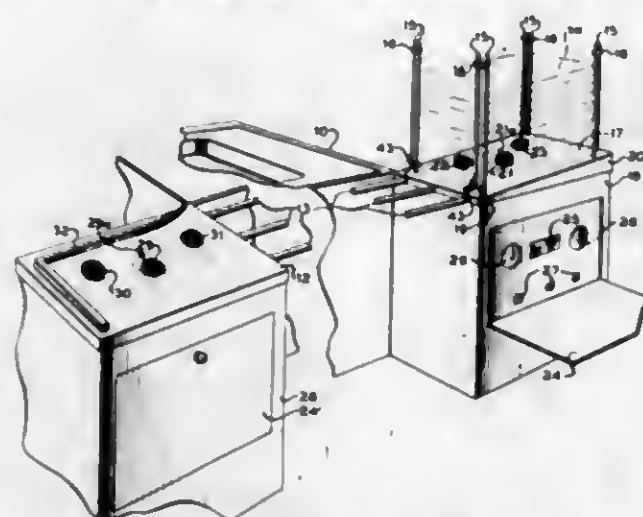


1. A checkout counter for checking out merchandise comprising a longitudinally extending counter, a first conveyer belt for receiving merchandise thereon forming the upper surface of the forward end of said counter, a second conveyer belt forming the upper surface of the rear end of said counter and arranged to form a longitudinal extension of said first conveyer belt so that it can receive merchandise discharged from said first conveyer belt, a stationary plate extending between adjacent ends of said conveyer belts, independent means for selectively operating said conveyer belts so that either belt may be stopped while the other continues to translate merchandise carried thereon, a merchandise platform at the forward end of said first conveyer belt for discharging merchandise onto said belt and having at least one swinging member pivotally mounted thereon for directing separate groups of merchandise onto said first conveyer belt, and a second platform at the rear end of said second conveyer belt for receiving merchandise translated by said belts and having at least one swinging member pivotally mounted thereon for directing merchandise selectively to one side or the other thereof.

2,625,242

APPARATUS FOR HANDLING OF FOODS

Stanley F. Reed, Washington, D. C.
Application February 5, 1947, Serial No. 726,559
6 Claims. (Cl. 186—1)



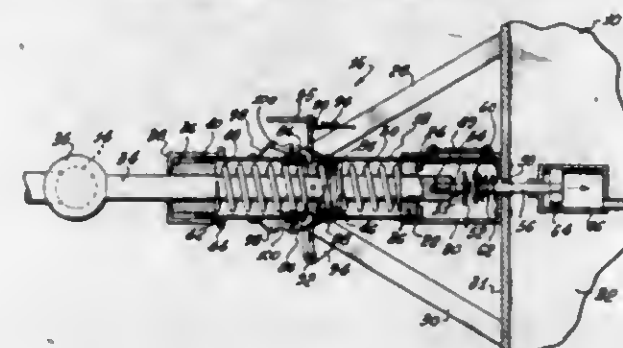
1. Food dispensing apparatus comprising a series of sections, a stack of compartmental serving trays, certain of said compartments having portions thereof which absorb heat from induction heating means, a rack for supporting said trays, an induction heating cabinet supporting said rack, a tray receiving support, guiding and supporting means between said rack and said tray receiving support, means associated with said tray rack for mechanically delivering one tray at a time to said guiding and supporting

means, said induction heating cabinet including an electrical unit adapted to create a relatively high frequency electrical field at its upper portion in which a tray may be disposed, and said tray-receiving support also including an electrical unit for creating a relatively high frequency electrical field.

2,625,243

TRAILER AUTOMATIC BRAKE APPLYING MEANS

Ivan E. Jones and Charles B. Reynolds, Orange, Calif.
Application October 31, 1949, Serial No. 124,702
3 Claims. (Cl. 188—112)

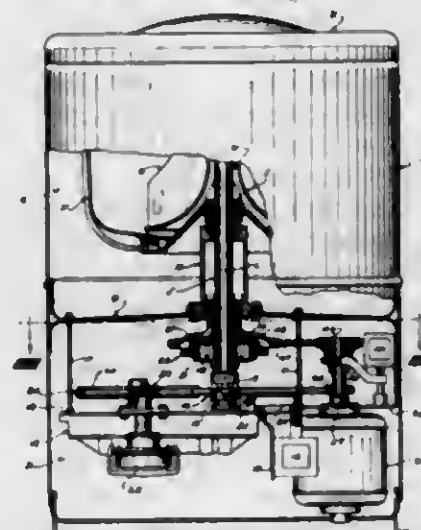


3. A trailer hitch and brake applying means comprising: a cylinder immovably secured to the front of the trailer frame and projecting forwardly therefrom; a bar adapted to be secured at its forward end to the back of a towing vehicle and extending at its opposite end into said cylinder; a piston within said cylinder secured to said bar; resilient means arranged between said piston and the rearward end of the cylinder and between the piston and the forward end of the cylinder, said resilient means being effective to hold said bar in normal operating position within the cylinder; a trailer brake operating stem projecting axially into position to be engaged by the end of the bar toward the trailer as the cylinder is moved forwardly over the bar when the trailer momentarily tends to overrun the towing vehicle; resilient means tending to hold said stem in forward position; and a compressed air trailer brake system having a main valve operated by said stem.

2,625,244

WASHING MACHINE DRIVE MECHANISM

George P. Castner, Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application November 24, 1947, Serial No. 787,626
5 Claims. (Cl. 192—3.5)



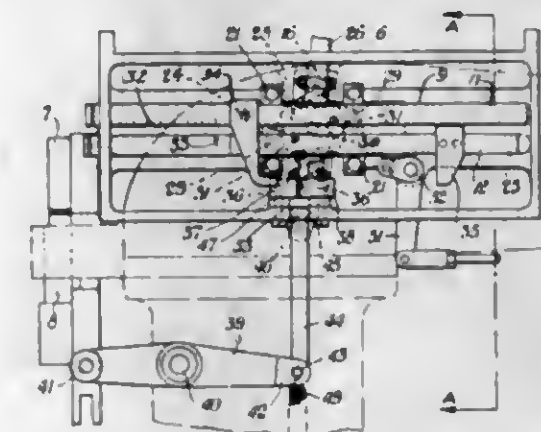
1. Drive mechanism of the character described for a washing machine having a rotary recepta-

cle adapted to be rotated by a depending spindle, comprising a motor having a shaft, a rotary fluid drive coupling arranged concentrically about the axis of the spindle, the said coupling comprising vertically opposed vaned elements one of which forms a sealed chamber about the other, means connecting the motor shaft to drive the uppermost of said vaned elements, means securing the lowermost vaned element to the spindle, driving fluid in the said sealed chamber in an amount substantially less than the total capacity thereof, and means carried by the uppermost vaned element for vortexing the fluid into driving engagement with both elements.

2,625,245

DEFINITE POSITION RELEASE CLUTCH

John Irving Nasmith and Flavius Kingsford Daniels, London, England, assignors to Vickers-Armstrongs Limited, London, England, a company of Great Britain
Application October 29, 1947, Serial No. 782,822
In Great Britain October 7, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 7, 1966
12 Claims. (Cl. 192—33)



1. Automatic control mechanism for performing a given sequence of operations within a predetermined number of revolutions of a driven shaft, comprising in combination, a pawl carrier oscillated in timed relation with said driven shaft, a pair of pawls on said carrier, a ratchet member driven stepwise in opposite directions when engaged by said respective pawls, stops carried by said ratchet member, pawl reversing and declutching means mounted in the path of said stops, said reversing and declutching means comprising a shuttle plate having notches and lands co-operating with said pawls and movable into two positions corresponding respectively to the declutching of the respective pawls, said shuttle plate being moved alternately into said positions by said stops after the ratchet member has travelled a predetermined number of steps.

2,625,246

ENERGIZING SPRING RETAINER FOR ONE-WAY CLUTCHES

Leopold T. Szady, Hamtramck, Mich., assignor to Formsprag Company, Van Dyke, Mich., a corporation of Michigan
Application April 23, 1951, Serial No. 222,318
5 Claims. (Cl. 192—45.1)

1. In a one-way clutch including coaxial radially spaced annular raceways, a series of sprags therebetween, and a garter spring for energizing said sprags engaging open end channels therein; means for retaining said springs in said channels comprising a thin plate arranged between adjacent sprags having an aperture therein at one

end thereof registering with said channels through which said spring passes and by which

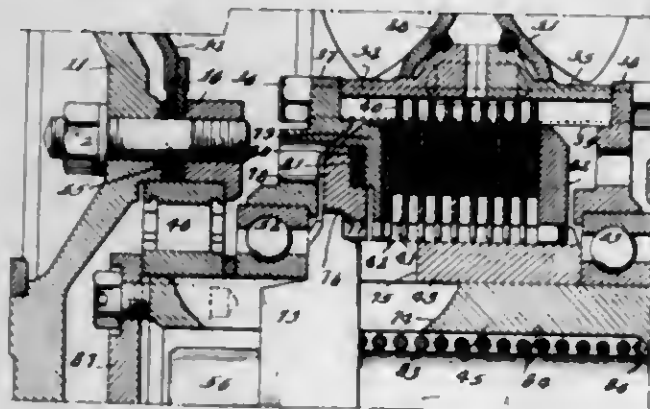


it is held from disengagement from said channels said plate being anchored against movement in the plane thereof.

2,625,247

AXIALLY ENGAGING FRICTION CLUTCH
Wilbur F. Shurts, Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

Application September 26, 1946, Serial No. 699,502
5 Claims. (Cl. 192-69)



1. Clutch means for providing a mechanical connection between a rotating member and a shaft coaxial therewith comprising a plurality of plates encircling the shaft and alternately connected to the member and shaft and engageable to provide a driving connection between the member and shaft, and means for engaging the plates comprising a pair of axially shiftable, nested rings rotatable with the shaft and complementarily formed on their opposed faces to define a completely enclosed, annular chamber, a rubber body completely filling the chamber and spacing the rings axially, one of the rings being engageable with one of the plates, a rod shiftable through the shaft, and means actuated by the rod and extending transversely of the shaft for contacting separated points of the other ring, the engaging pressure being transmitted uniformly through the rubber body to said one ring.

2,625,248

CONTROL AND DRIVE MECHANISM FOR AUTOMATIC WASHING, RINSING, AND DRYING MACHINES

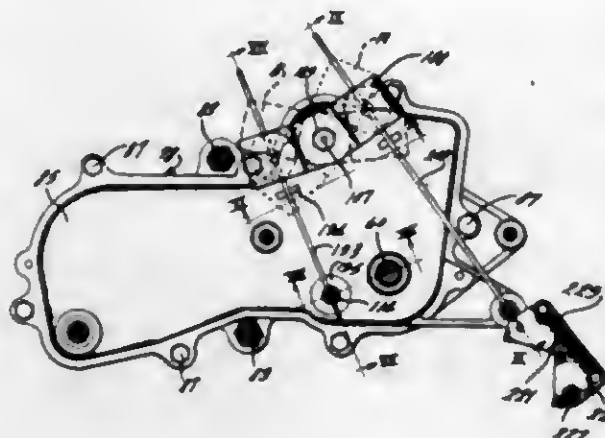
Peter Eduard Geldhof and Luther Ringer, St. Joseph, Mich., assignors to Whirlpool Corporation, St. Joseph, Mich., a corporation of New York

Original application June 21, 1943, Serial No. 491,619, now Patent No. 2,521,159, dated September 5, 1950. Divided and this application July 31, 1947, Serial No. 765,200

14 Claims. (Cl. 192-118.5)

1. A control mechanism comprising a pivotally mounted actuating means, means for oscillating

said actuating means about its pivotal mounting, a connecting means arranged to be moved in a direction corresponding substantially to its longitudinal dimension, means carried by said actuating means and oscillatably driven thereby and selectively movable into position to shift the posi-

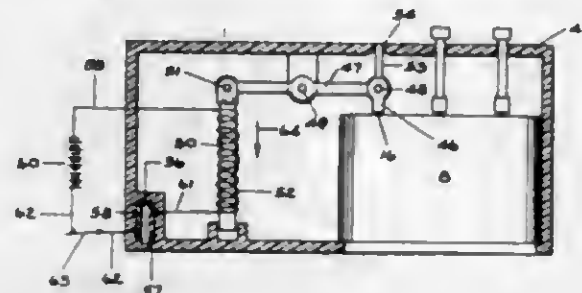


tion of said connecting means in either direction by oscillatable movement thereof, a member to be controlled, and means connected between said connecting means and said member to be controlled to operate the latter from the movement of the connecting means.

2,625,249

COIN CONTROLLED TIME ALARM DEVICE
Herbert K. Price and Joseph L. Taylor, San Francisco, Calif.

Application September 26, 1947, Serial No. 776,300
1 Claim. (Cl. 194-6)



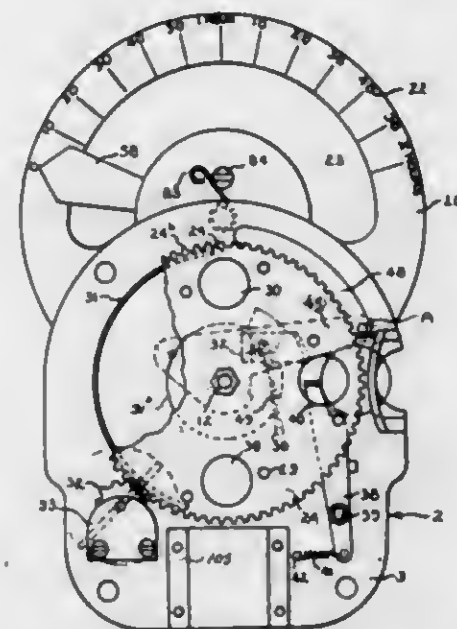
A coin controlled time alarm device of the character described, embodying in its construction a rectangular housing, an alarm clock mounted therein, a door hingedly secured to the housing and capable of enclosing the alarm clock therein, the said clock having a movable stem for setting and releasing the alarm, an extension secured to the said stem, a lever having an end portion thereof pivotally secured to said extension, means pivotally securing the intermediate portion of the lever to the housing, a solenoid pivotally secured to the opposite end portion of the lever from the said alarm clock stem and adapted to impart oscillative movement to the lever, whereby longitudinal movement is imparted to the stem for setting and releasing the alarm, an electrical source of supply for energizing the solenoid, an electrical circuit for connecting the source of electrical supply to the said solenoid and a coin slot in said circuit and adapted to close the same for energizing the solenoid to operate the said lever and mechanism associated therewith when a coin passes through the slot.

2,625,250

AUTOMATIC PARKING METER

Gerald A. Hale, Oklahoma City, Okla., assignor of one-fourth to Carl Magee, Oklahoma City, Okla., one-fourth to George A. Nicholson and one-fourth to John B. McGay, both of Tulsa, Okla.

Application October 1, 1945, Serial No. 619,477
13 Claims. (Cl. 194-54)



1. In an automatic parking meter adapted to receive multiple coins of different denominations for indicating selective amounts of time and comprising a movable indicator, a clock works for driving the indicator in one direction relative to a time scale, a ratchet movable with the indicator and provided with a plurality of sets of various sized teeth corresponding to coins of different denominations, means for urging the indicator and ratchet in a direction opposite the first mentioned direction to reset the indicator, indicator stop means cooperating with the ratchet in one position of the stop means to limit the resetting movement of the indicator in said last mentioned direction, coin actuated means normally retaining the indicator stop means out of engagement with the ratchet, said coin actuated means being responsive to a coin inserted in the meter for releasing the indicator stop means to allow engagement thereof with at least one set of ratchet teeth, and means provided in the indicator stop means providing successive resetting of the indicator upon successive insertion of multiple coins of different denominations.

2,625,251

KOREAN TYPEWRITER

Pyung Woo Kong, Seoul, Korea
Application July 8, 1949, Serial No. 103,570
In Korea May 18, 1948
2 Claims. (Cl. 197-1)



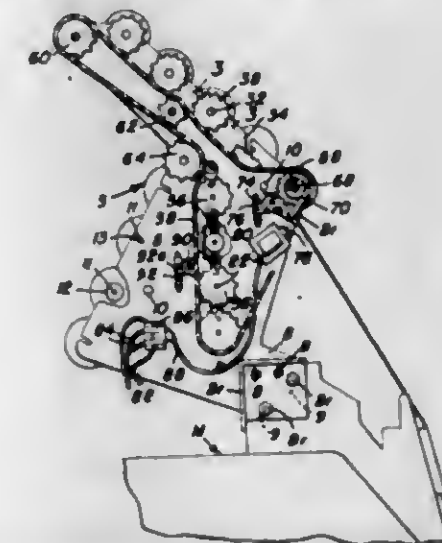
1. A typewriter for Korean language having the combination with a carriage, a platen on said carriage, a series of type bars, a series of

corresponding keys for actuating said type bars, and mechanism for actuating said carriage, of a first quantity of said bars carrying Korean pre-consonant types, said first bars directing their types to strike said platen at a first focus and being operated by a first cluster of keys, a second quantity of said bars carrying the remainder of Korean types, said second bars directing their types to strike said platen at a second focus leftwardly of said first focus and being operated by a second cluster of keys, a device providing a guiding opening for therethrough focusing said pre-consonant types, said device providing an additional opening leftwardly of said other opening for therethrough focusing said remainder types, means to cause said first cluster of keys of said pre-consonant types to operate said mechanism to actuate said carriage and platen, and means to cause said mechanism, carriage, and platen to remain stationary during operation of said second cluster of keys of said remainder types.

2,625,252

CARBON FEED CONTROL MECHANISM
Lester P. Riddle, Eureka, and Joe D. Severns, Peoria, Ill.

Application September 1, 1949, Serial No. 113,576
8 Claims. (Cl. 197-134)



4. In a tabulating machine, a carbon feeding and spacing attachment for the machine, said attachment comprising a pair of spaced parallel vertical side walls having lower slotted ends for mounting the attachment on the machine, bars connecting and spacing said walls, a plurality of vertically spaced horizontally disposed supply rollers rotatably supported between said walls, a plurality of vertically spaced horizontally disposed feed rollers rotatably supported on and between said walls and located alongside of said supply rollers, a plurality of vertically spaced horizontally disposed pressure rollers disposed adjacent the feed rollers, means mounting the ends of the pressure rollers on the walls and yieldingly urging the pressure rollers against the feed rollers, a plurality of vertically spaced horizontally disposed rewind shafts extending between and rotatably supported by said walls and paralleling the supply rollers, the feed rollers and the pressure rollers, a sprocket on one end of each of said rewind shafts, slip drives connecting the rewind shafts to their sprockets, a sprocket secured on one end of each of said feed rollers, a spacer sprocket rotatably supported on one side wall of said attachment and being coplanar with the sprockets of said rewind shafts and the sprockets of said feed roller, a ratchet forming part of said spacer sprocket, a swingable pawl on said one side wall and engaging the ratchet, an end-

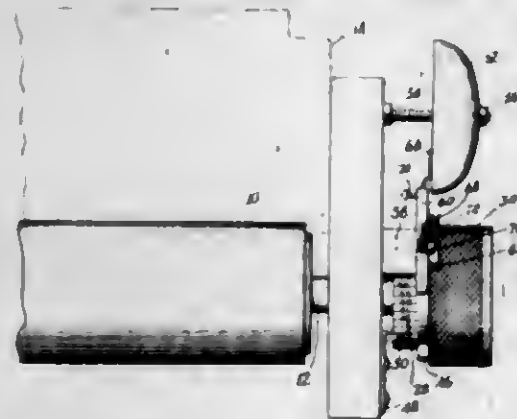
less sprocket chain engaging the sprockets on each shaft and feed roller and also engaging said spacer sprocket, and a solenoid supported on said one side wall and electrically connected to the plugboard of the machine, said solenoid having an operating core facing said pawl for actuating the pawl to rotate the spacer sprocket and hence said feed rollers and said rewind shafts.

2,625,253

PAGE END INDICATOR MECHANISM FOR TYPEWRITERS

John S. Burris, Houston, Tex.

Application September 22, 1950, Serial No. 186,158
4 Claims. (Cl. 197-189)



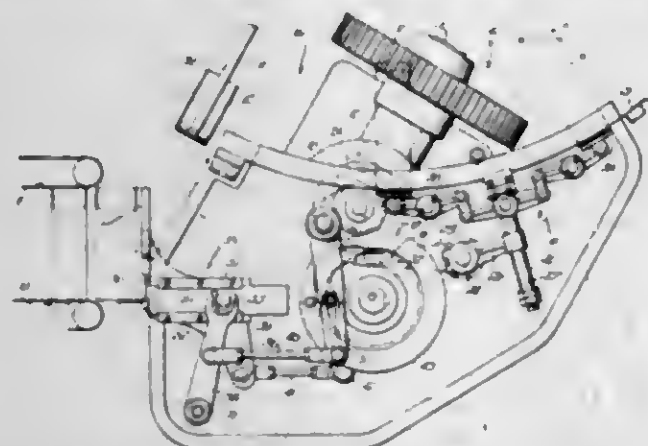
1. In combination with a typewriter having a rotatable platen provided with an axial shaft extending beyond an end thereof, a device for indicating the number of lines available for typing on a page comprising a cylindrical body secured to the shaft and rotatable therewith, an operating knob, means releasably connecting the knob to the body for rotation therewith, said knob being rotatable relative to the body upon release of said releasable means, a signal means carried by the typewriter and means carried by the knob and engageable with the signal means for operating the signal means.

2,625,254

CARTON TRANSFER MECHANISM

Thomas E. Piazza, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

Application September 27, 1946, Serial No. 699,764
3 Claims. (Cl. 198-24)



1. In a machine for handling cartons wherein formed cartons are carried on a series of mandrels on a turret and stripped from the mandrels in a direction radially of the turret for transfer to a conveyor arranged in a line generally tangential to the periphery of the turret, a transfer mechanism comprising a pocket forming member for receiving the cartons from successive mandrels, a pivotally mounted bell crank, said

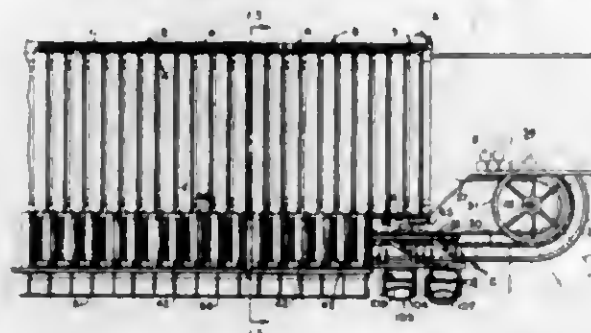
pocket forming member being mounted on one arm of said bell crank, a cam-operated link pivotally connected to the other arm of the bell crank for oscillating the same between a carton receiving position where the pocket forming member is in axial alignment with a mandrel on said turret to a position where the pocket forming member is in transverse alignment with the conveyor, said pocket forming member having a wall movable transversely thereof and cam-operated means on said bell crank for moving said wall to deliver the carton from said pocket forming member to said conveyor.

2,625,255

DISTRIBUTING AND FEEDING MECHANISM

Jack W. Carter, Winter Haven, Fla., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga., a corporation of Georgia

Application July 31, 1947, Serial No. 765,135
10 Claims. (Cl. 198-66)



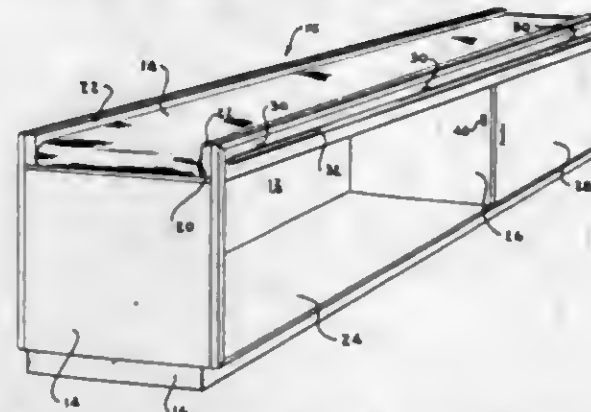
1. A distributing and feeding mechanism for citrus fruit and other articles of a spherical nature, comprising a series of parallel feed chutes disposed at an angle with respect to a horizontal plane, said chutes being closed at their lower ends and open at their upper ends, and endless conveyor arranged in feeding relation with respect to the upper ends of the chutes and inclined in the direction of the chutes, said chutes being formed with divergent sidewalls, means associated with the lower ends of the chutes for successively effecting discharge in a predetermined direction of the lowermost article from each chute progressively throughout the series of chutes, while at the same time retaining the remaining articles against descending movement, and hopper means coacting with the lower ends of the respective chutes adapted to receive the discharged articles.

2,625,256

CONVEYER BELT CONTROL

George T. Smith, Lansing, Mich., assignor to George T. Smith, Inc., Lansing, Mich., a corporation of Michigan

Application March 28, 1949, Serial No. 83,837
2 Claims. (Cl. 198-203)



1. A counter comprising a body portion of materially greater longitudinal dimension than

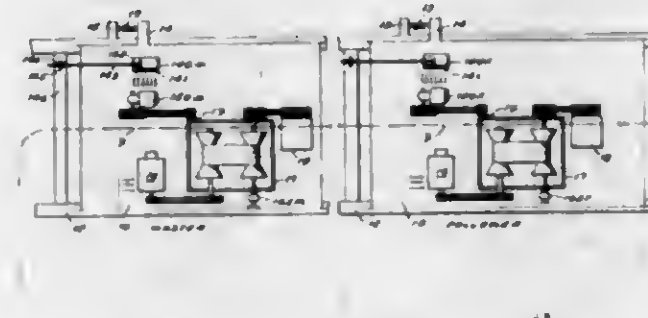
transverse dimension having a movable conveyor belt forming its upper surface, side walls extending longitudinally of said body portion and extending vertically above the upper surface of said conveyor belt, an electric motor for driving said belt, a switch for controlling said motor, and a movably mounted rail extending substantially along the full length of said counter for actuating said switch to start or stop said motor.

2,625,257

SPEED CONTROL OF CONVEYER DRIVES

Adelbert J. Schenk, Huntington Woods, Mich., assignor to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan

Application September 14, 1951, Serial No. 246,579
36 Claims. (Cl. 198-203)



16. In a conveyor system having multiple driving units for imparting motion to an endless conveyor, each of said driving units comprising a frame mounted for limited motion longitudinally of said conveyor upon a suitable supporting structure, driving mechanism including a variable speed transmission carried by said frame and a reaction member interposed between said frame and said supporting structure; a speed control device associated with each driving unit, said speed control device having an output member in driving relationship with the ratio adjusting device of said variable speed transmission, a speed control motor in driving relationship with said output member, means whereby said output member may be driven by relative movement between said frame and said supporting structure, a control element responsive to a change in speed associated with each driving unit, and a control circuit connecting the speed control motor and control element of each driving unit, said control circuit including means for directly energizing the speed control motor of one driving unit and means whereby the speed of the remaining driving units will be changed in response to a change in speed of said first driving unit.

2,625,258

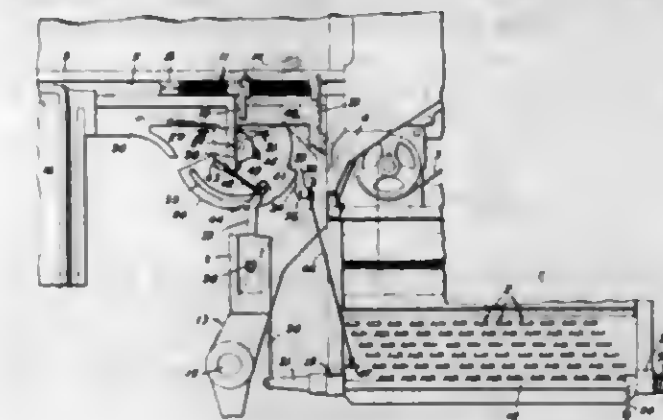
ASSEMBLING ELEVATOR LIFT MECHANISM

Frederick N. McClintock, Jr., Havre de Grace, Md.

Application December 30, 1948, Serial No. 68,325
6 Claims. (Cl. 199-31)

1. In a machine of the class described, a matrix assembling elevator, a key, power lift means for said elevator comprising a plate pivoted above said elevator for vertical rocking movement into and from a normal position and power operated from normal position under control of said key, spring operated means connecting said elevator to said plate in the normal position of said plate to lift said elevator by movement of said plate from normal position and operative to disconnect said elevator from said plate, means operating said spring operated means to disconnect said elevator from said plate after said elevator

has been lifted, and power operated means engaging said plate to move the same into normal



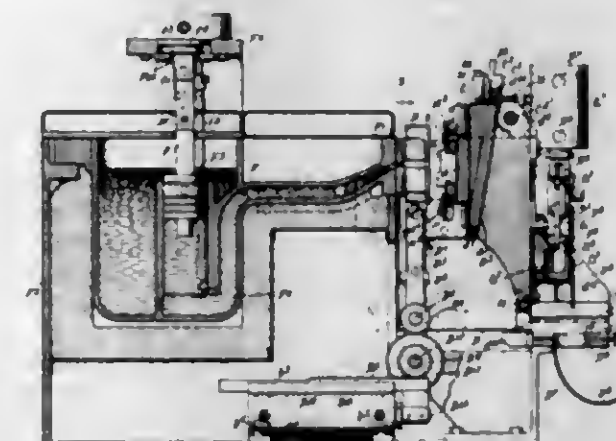
position after said elevator is disconnected from said plate.

2,625,259

SLUG CASTING MACHINE

Ransom H. Turner, Great Neck, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application August 2, 1945, Serial No. 608,406
6 Claims. (Cl. 199-60)



1. In a slug casting machine, the combination of a metal pot, a hand stick receptacle located at all times at the casting level, a slug ejecting mechanism arranged directly in front of the receptacle, a mold disposed between the metal pot and the hand stick receptacle, said mold normally occupying a vertical plane at the casting station and movable downwardly in said plane to a position clear of the hand stick receptacle, fixed vertical guideways in which the mold is slidably mounted and which are cleared by the mold when it completes its downward movement, a mold support mounted to swing the mold from its downwardly moved position facewise to a horizontal plane aligned with the ejecting station, fixed horizontal guideways in which the mold is slidably forwardly from its downwardly swung position to the ejecting station, and automatic means operable after the casting operation to effect such downward, facewise and forward movements of the mold.

2,625,260

BLADE-DISPENSING MAGAZINE

Joseph Muros, Newtonville, Mass., assignor to The Gillette Company, Boston, Mass., a corporation of Delaware

Application June 4, 1948, Serial No. 31,060
5 Claims. (Cl. 206-16)

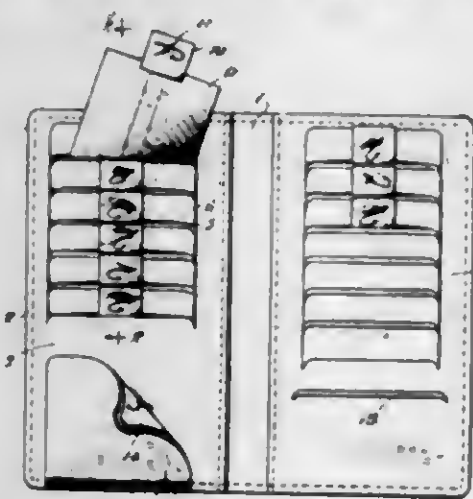
5. A blade dispensing magazine comprising a sheet metal blank folded transversely and presenting upper and lower magazine walls, the up-

per wall having an elongated finger opening therein, and the lower wall having an elongated notch in its free end and being folded longitudinally in a blade-locating rib that terminates in



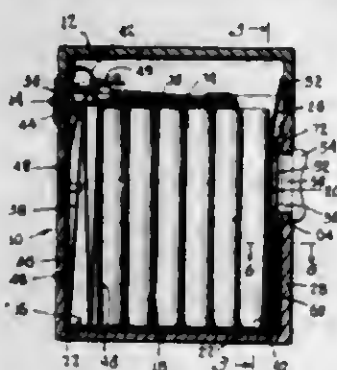
an abrupt shoulder at the inner end of the notch in the lower wall, and at its other end slopes gradually upwardly from the level of the lower wall to a point above the level of the upper wall.

2,625,261
FISHERMAN'S FLY BOOK
Ward C. Swift, Trenton, N. J.
Application April 29, 1950, Serial No. 158,957
1 Claim. (Cl. 206—38)



A fisherman's fly book comprising a panel of sheet material having slots therein, a series of staggered overlapping pockets of substantially equal depth secured to the material between the slots, an envelope in each pocket for the storage of flies, the height of said envelopes being substantially equal to the depth of said pockets, and a tab projecting from the upper edge of each envelope and extending out of the respective pockets, said tab being transparent and defining a receptacle adapted to contain visual identification means for the flies contained in each envelope.

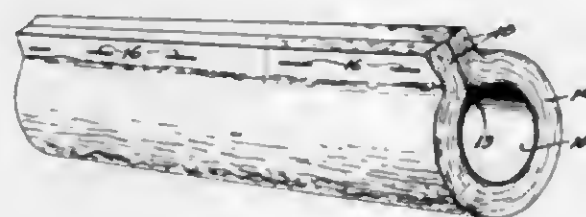
2,625,262
DISPENSING CIGARETTE CASE WITH IGNITER SUPPORT MEANS
David Pinkas, Norwalk, Conn.
Application January 6, 1950, Serial No. 137,130
11 Claims. (Cl. 206—41.3)



1. A smoker's accessory comprising an open-topped cigarette receptacle having two opposed walls; resilient follower means mounted adjacent one of said walls and normally operative to urge

cigarettes in the receptacle towards the other of said walls; a guide plate mounted adjacent the other wall and having downwardly and inwardly sloping upper surfaces, a portion of said plate in the vicinity of at least one of said surfaces being resilient and including a dog held in extended position in the normal position of said plate portion; a cover hingedly mounted on said receptacle to close the same and engageable by said dog when in extended position for retaining the cover in closed position; a cigarette projector slidably mounted on said receptacle adjacent said guide plate; a deflector member connected with and movable simultaneously with said projector and engageable with said resilient plate portion to retract said dog and release said cover when said projector is moved to cigarette projecting position; grip means mounted on said receptacle adjacent said one wall for frictionally retaining said follower means in fully retracted inoperative condition when the follower means are manually retracted into engagement therewith; spring means including a cover engaging portion mounted on said receptacle and engaging said cover adjacent the hinged mounting thereof for urging the cover to open position when the dog is retracted, and including a portion which is extended between said one wall and said follower means actuatable inwardly by said cover engaging portion when said cover is closed to release said follower means from said grip means and return the follower means to operative condition; and a support plate for igniter means pivotally mounted on said receptacle closely adjacent the hinged mounting for the cover to normally overlie the contained cigarettes, said support plate being slotted adjacent the pivoted end to accommodate the cover engaging portion of said spring means when the cover is closed.

2,625,263
PIPE AND INSULATION STRUCTURE
Jack W. Klee, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas
Application September 9, 1950, Serial No. 184,060
7 Claims. (Cl. 206—47)



1. An insulated pipe structure, comprising a thin walled pipe, a batt of resilient fibers preformed to be urged by their resiliency about said pipe, said batt having free end portions extending in parallel contiguous relation, and means securing said parallel portions together.

2,625,264
DISPOSABLE FOUNTAIN SYRINGE AND PACKAGE CONTAINING THE SAME
Elwart H. Edwards, Jr., Leeds, Ala.
Application January 19, 1950, Serial No. 139,415
2 Claims. (Cl. 206—69)

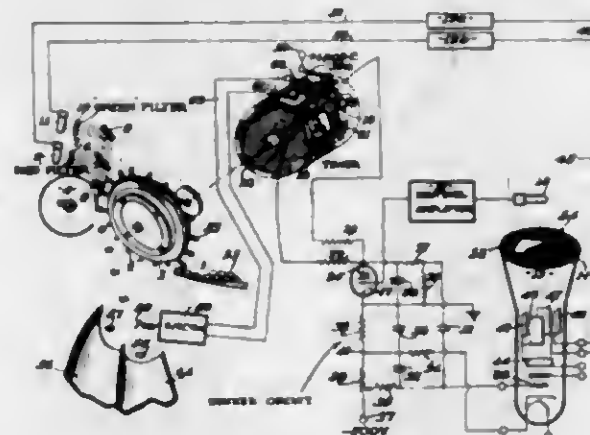
1. A unitary disposable fountain syringe package comprising a water bag, a hose attached to one end to the bottom of the bag, a nozzle at-

tached to the other end of the hose, a strip of material around which the hose is wrapped, said bag



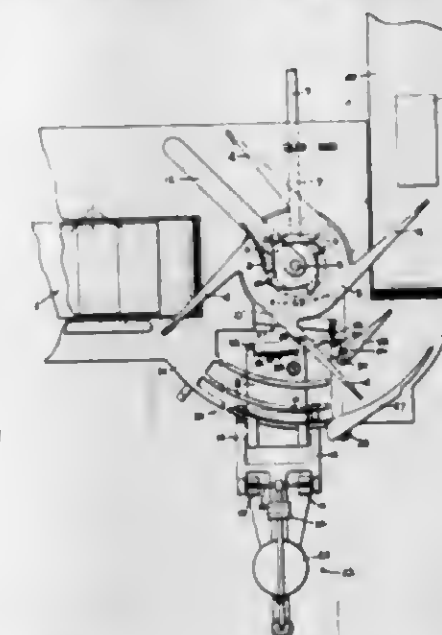
being wrapped around the nozzle, and an exterior wrapping for the assembled composite article.

2,625,265
PHOTOELECTRIC SORTING APPARATUS
David C. Cox, Grand Rapids, Mich., assignor to Electric Sorting Machine Company, Grand Rapids, Mich., a corporation of Michigan
Application April 1, 1947, Serial No. 738,714
26 Claims. (Cl. 209—111)



13. In an article sorter of the type in which electrical charges stored in condensers are employed for operating a cull ejector, a combination comprising a timer having a plurality of pairs of contact lugs between which condensers are connected, a cull responsive condenser charging and discharging circuit comprising a current source having a positive terminal with a brush to make contact intermittently with one of said lugs, a thyatron having an anode with a resistor between said brush and the thyatron anode, a second timer brush adapted to make contact with the other contact of a pair of contact lugs of the timer, a second anode resistor connected in series between said second brush and said thyatron anode, a sentinel phototube with connections for firing said thyatron when illuminated, an electrically energized optical system for illuminating said phototube in response to presence of a cull, said optical system having a control electrode for energizing the system in response to rise of the potential in the control electrode and de-energizing the system in response to fall in potential of the control electrode, a coupling condenser connected between said thyatron anode and said control electrode whereby the control electrode potential is caused to rise when the thyatron is connected to a current source by the timer for energizing the optical system and the control electrode potential is depressed by the voltage drop in an anode resistor whenever the thyatron is ignited by the optical system in response to a cull, and a cull ejector responsive to condenser charge.

2,625,266
WEIGHT CHECKING DEVICE
James P. Voller, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a California cooperative association
Application October 13, 1947, Serial No. 779,510
3 Claims. (Cl. 209—121)

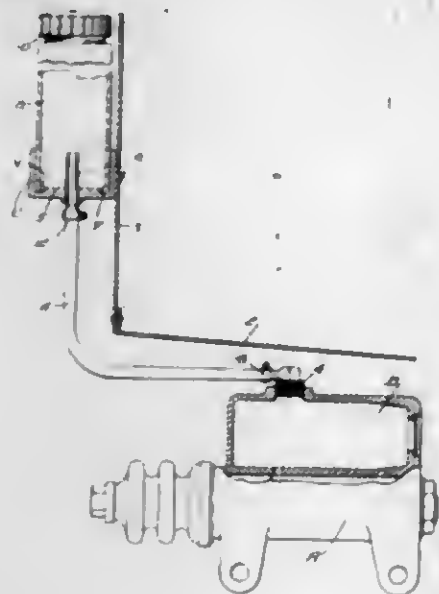


1. In a weight checking device including a weighing platform supported for downward movement to different distances directly proportional to weight of an article thereon, or rotatable member for moving said article off said platform in a predetermined path of travel, a diverting arm supported for movement into engagement with said article for diverting said article from said path while said article is engaged by said rotatable member, a latch releasably holding said diverting arm in a position permitting movement of said article in said predetermined path, an electrical circuit, a switch in said circuit for opening and closing the same, electrically actuatable motor means in said circuit connected with said latch for releasing the same from said diverting arm upon said circuit being closed by said switch, a control lever supported for movement relative to said platform into engagement with said switch for actuating the latter to close said circuit only upon said movement of said platform under the weight of said article to distances at either side of a predetermined distance, and means actuated by said movable means for causing actuation of said control means.

2,625,267
SUPPLEMENTARY BRAKE FLUID RESERVOIR
Tom S. Alexander, Soquel, Calif.
Application May 29, 1950, Serial No. 165,030
1 Claim. (Cl. 210—57)

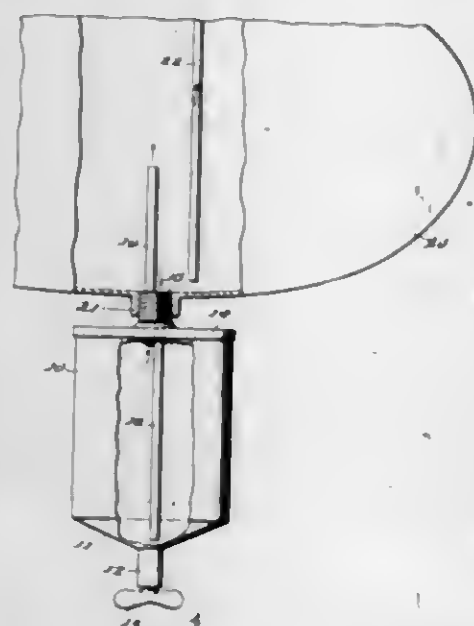
A device of the character described comprising a cup-shaped member, said member having a bottom section with an annular groove formed therein to receive the lower end of a bottle from which the bottom has been removed, said annular groove also adapted to receive a cementitious sealing medium to seal the bottle with relation with the cup-shaped member and to retain the bottle against the removal from the cup-shaped member, a tube extending through and secured in the bottom of the cup-shaped member, said tube projecting above the bottom and into the bottle a sufficient distance to form a dirt trap and said tube extending below the bottom of the cup-shaped member a sufficient distance to receive a rubber tube and a clamp to secure the rubber

tube against removal, and a pair of lugs formed on the cup-shaped member, said lugs being per-



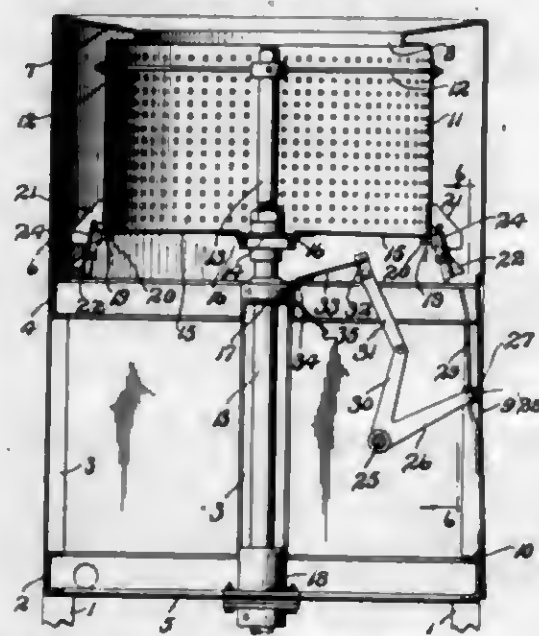
forated to receive bolts whereby the cup-shaped member may be secured to a suitable support.

2,625,268
WATER TRAP FOR GASOLINE TANKS
Harold Burgess Hatfield, Jr., Byrn Mawr, Pa.
Application June 1, 1950, Serial No. 165,519
2 Claims. (Cl. 210-57)



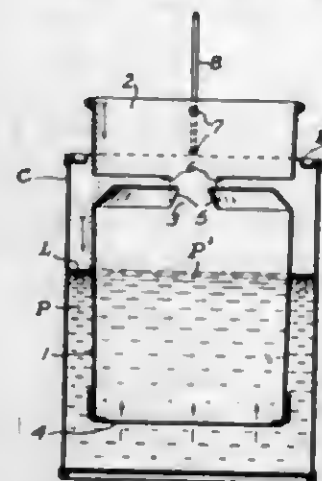
1. In a device for the purpose described, an auxiliary tank having a body, a top and a bottom fixed to said body, a screw threaded plug fitted in the top of the tank and projecting upwardly for engagement with a nipple extending downwardly from a gasoline reservoir, a pipe secured in and extending downwardly through said plug and having its upper end flush with the top of said plug and its lower end close to the bottom of the tank, a second pipe secured in and extending upwardly through said plug and having its lower end close to the under surface of the plug and its upper end remote from the upper surface of the plug to extend into said reservoir when the plug is engaged in the nipple extending downwardly from the gasoline reservoir, a nipple extending downwardly from the bottom of said auxiliary tank, and a removable stop plug normally closing said nipple.

2,625,269
CENTRIFUGE
George L. McCargar, Detroit, Mich.
Application January 20, 1947, Serial No. 723,097
7 Claims. (Cl. 210-74)



1. In a structure of the class described, a drum open at its upper end having perforated vertical side walls, means for closing the lower end of the drum including a hinged mounted door, means for rotating the drum about a vertical axis, latching means for holding the door in upper position, a housing around the drum having an opening in the side thereof below the drum, a plate closing said opening hinged mounted at its lower portion for swinging inward to a downwardly and outwardly inclined position and back to closing position, means operated by the plate for actuating said latching means to move it to released position when said plate is swung inwardly and return it to latching position when the plate is swung to closed position, and manually operable means for swinging said plate from one position to the other, and including a member engageable with the drum closure door and acting to support the door in an elevated position when the latching means therefor is released and the plate is in mid-position.

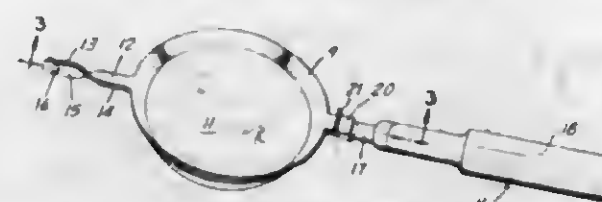
2,625,270
PAINT STRAINING AND BRUSH CLEANING DEVICE
Justo Antonio de Armas, Habana, Cuba
Application June 20, 1950, Serial No. 169,205
1 Claim. (Cl. 210-155)



A paint straining and brush cleaning device comprising a substantially cylindrical enclosure having an open top and adapted for insertion in a paint container, a foraminous bottom in said enclosure for admitting strained paint to the

enclosure, said enclosure having a plurality of spaced slots disposed circumferentially adjacent the top thereof, a bail pivoted on the outside of said enclosure for resting on the top of a paint container to support said enclosure in the container with said slots above the level of the paint in the container, and frusto-conical flanges coinciding with the bottom edges of said slots and extending inwardly and upwardly of said enclosure to direct excess paint from a brush squeezed on the top edge of the enclosure to the outside of the enclosure and into the paint container and thereby prevent mixing of the excess paint with the strained paint within said enclosure.

2,625,271
FILTER
Thomas A. Flanigan, Oak Park, Ill., assignor to John J. Flanigan, Oak Park, Ill.
Application August 30, 1950, Serial No. 182,270
1 Claim. (Cl. 210-159)



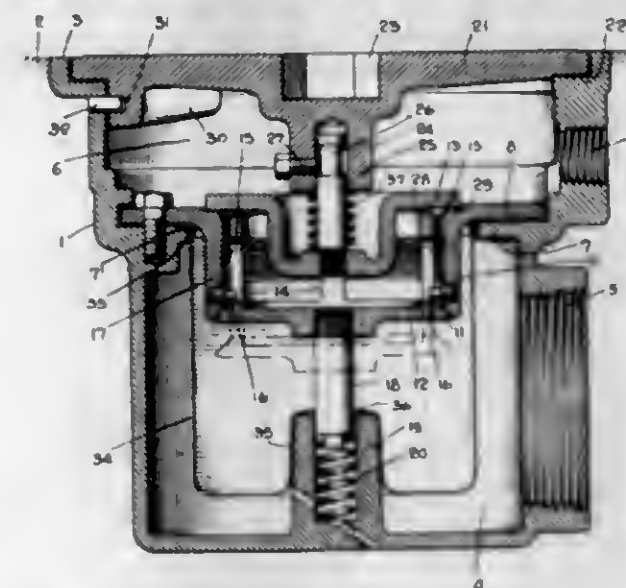
A filter comprising a pair of nested upper and lower downwardly tapered circular clamping elements fitting snugly one within the other and adapted to clamp marginal portions of a sheet of filtering material between them, horizontal strips integral with and extending radially from said clamping elements one above the other and in spaced relation to their inner and outer ends being twisted transversely and thereby disposing their outer end portions horizontally in a vertical plane in side by side relation to each other, a pin passing horizontally through the outer ends of said strips and pivotally connecting the strips for vertical swinging movement of the upper clamping element into and out of a clamping position within the lower clamping element, a handle having a flat horizontal shank integral with and extending radially from the lower clamping element at a point diametrically opposite its strip, a flat tongue integral with and extending radially from the upper clamping element diametrically opposite its strip and resting flat upon said shank when the upper clamping element is in its lower position, and a latching ring fitting loosely about and slidable along the shank into and out of position to extend across the tongue and releasably secure the upper clamping member in its clamping position, said ring being rectangular and thereby held against turning movement about the shank and at its front end carrying an upwardly projecting tongue engageable by a finger of a hand grasping the handle for shirring the ring along the shank.

2,625,272
SEALED FILLING CAP FOR FUEL STORAGE TANKS

Abraham A. Arvintz and Nathan A. Arvins, Brooklyn, and Robert A. Arvintz, New York, N. Y., assignors to Sanicom Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 25, 1950, Serial No. 181,544
9 Claims. (Cl. 210-166)

7. A device of the character described, comprising a substantially cup-shaped main casing, the casing having, intermediate its ends, an inwardly projecting annular flange partially par-

tituting the casing to form an upper inlet chamber and a lower strainer chamber, a valve casing mounted on said flange and extending into the lower chamber, said valve casing having a tubular portion with a valve seat at its lower end, the upper end of the tubular portion being internally threaded, a valve, said valve having a stem operating in a bearing in the bottom of the main casing, a spring in said bearing engaging the stem to normally support the valve on said valve seat, said valve having a ring normally arranged within the upper threaded portion of the valve casing and spaced from the valve by a plurality of webs, means on the valve casing engaging webs of the valve for keying the valve

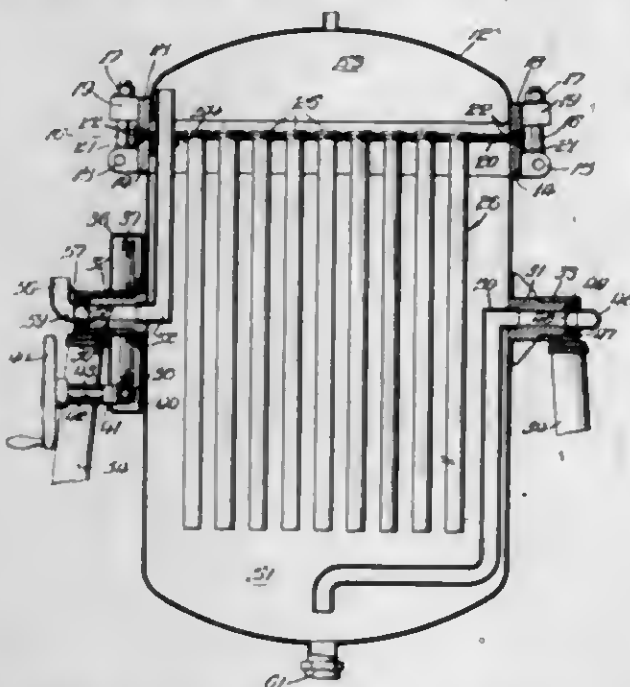


against rotation, a cover plate detachably coupled with the upper end of the main casing for closing the inlet chamber, a valve plate yieldably and movably supported on the closure plate and operatively engaging the valve casing to form a secondary seal between the upper and lower chambers of the main casing, means retaining the valve plate against displacement from said closure plate, a cup-shaped strainer arranged in the strainer chamber, said strainer seating on and partially encircling said bearing, the upper end of the strainer having a part fitting snugly within the annular flange of said casing, and the casing having threaded apertures communicating with the chambers thereof.

2,625,273
INVERTIBLE FILTER UNIT
Arthur A. Schuller, Chicago, Ill.
Application December 2, 1949, Serial No. 130,655
3 Claims. (Cl. 210-184)

1. A pressure type filter comprising in combination a supporting structure provided with a pair of horizontally aligned and spaced apart pillow blocks, a tank disposed between the pillow blocks and consisting of a continuous side wall, a bottom wall at one end of the side wall and a removable dome shaped cover at the other end of said side wall, a unitary filter unit disposed within the tank, embodying a horizontal supporting plate extending across the upper end of the tank side wall, provided with a vertical seal-equipped hole therein and dividing the tank interior into a lower compartment between it and the bottom wall and an upper compartment between it and the cover, also embodying a plurality of spaced apart porous filter elements connected to, and depending from, the supporting plate and serving to establish communication between the compartments, and having its supporting plate so mounted that the unit as a whole may be bodily removed from the tank by lifting it upwards after removal of the cover, a pair of hori-

zontal tubular trunnions connected fixedly to, and projecting outwards from, diametrically opposite portions of the tank side wall at points between the supporting plate and the tank bottom wall and mounted in said pillow blocks so that they support the tank so that it is capable of being tilted back and forth between a normal position wherein the bottom wall is at the bottom and an inverted position wherein the bottom wall is at the top, a supply conduit connected to, and communicating with, the outer end of one of the trunnions, a discharge conduit connected to, and communicating with, the outer end of the other trunnion, a first pipe having one end thereof connected to, and communicating with, the inner end of the one trunnion and its other end in communication with the lower compartment, and adapted when the tank is in its nor-



mal position to deliver liquid to be filtered from the supply conduit to the lower compartment for up-flow through the filter elements into the upper compartment, and an L-shaped second pipe disposed within the tank, adapted when the tank is in its normal position to conduct filtered liquid from said upper compartment to said other trunnion for discharge via the discharge conduit, and consisting of a horizontal branch having one end thereof connected fixedly to the inner end of said other trunnion and a straight, vertically extending second branch having the lower end thereof connected to the other end of the first mentioned branch and its upper end extending slidably through said hole in the supporting plate in order that the unit as a whole may be removed without disturbing said second pipe.

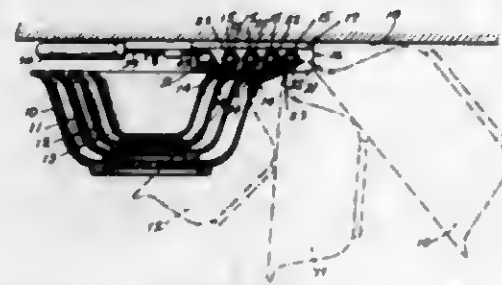
2,625,274

NESTING BOWLS AND SUPPORTING MEANS THEREFOR

MacMillan Clements, Fairfield, Conn.
Application August 23, 1950, Serial No. 181,063
4 Claims. (Cl. 211-49)

1. A combined nesting bowl set and support therefor, comprising a supporting fixture having a plurality of pivot support means each having an open top portion and a vertical pivot axis, a plurality of nesting bowls each adapted to be pivotally supported in nested relation with others of said bowls on one of said pivot support means, said bowls each having a bearing portion for engaging said pivot support means and said bearing portion having its axis located parallel and adja-

cent to the plane of the open edge of the bowl open side and pivotally engageable with one only of said pivot support means to support said bowls for horizontal swinging movement about the vertical axis of said pivot support means, whereby

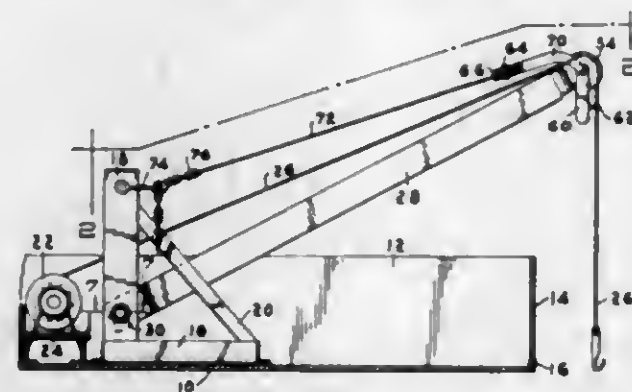


said bowls may be swung on their pivot support means to an unnested position and any one of said bowls may be removed from its pivot support means without removing any other of said bowls from its pivot support means.

2,625,275

VEHICLE WRECKER HOIST MECHANISM

George M. Ashton, Detroit, Mich., assignor to Ashton Power-Wrecker Equipment Co., Inc., Detroit, Mich., a corporation of Michigan
Application December 23, 1949, Serial No. 134,755
4 Claims. (Cl. 212-8)



1. In hoist mechanism, a base, a boom having an inner end portion pivoted at one end to the base for vertical swingable movement and having an outer end portion telescopically coupled with the inner end portion for linear adjustment and for angular rotatable adjustment about its longitudinal axis, a lift pulley assembly mounted upon the outer end of the outer end portion of the boom, a lift cable extending from the base over said pulley assembly, a cable guide pivoted to opposite ends of the pulley axle, an auxiliary pulley assembly pivoted to opposite ends of the pulley axle of the lift pulley assembly and extending over the boom toward the base and a cable extending adjustably from the base over the pulley of said auxiliary pulley assembly.

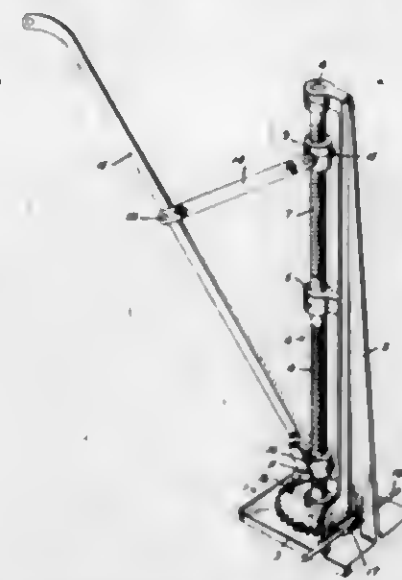
2,625,276

CRANE

George Martin Babare and Robert S. Babare, Tacoma, Wash.
Application July 5, 1951, Serial No. 235,229
3 Claims. (Cl. 212-58)

1. A logging crane comprising a base, a standard rising therefrom, upper and intermediate bearings on the standard, a bearing on the base, a shaft mounted in the bearings, right and left hand threads formed on the shaft, a nut engaging the lower threads, a nut engaging the upper threads, a boom pivoted to the lower nut, a brace pivoted at one end intermediate the boom

and pivoted at its upper end to the nut engaging the upper threads, and gears at the lower end of the shaft to rotate same, whereby when the shaft is rotated, one way, the boom will be ele-

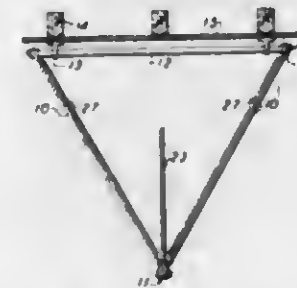


vated in a direction toward the shaft and when the movement of the shaft is reversed the boom will be lowered in a direction away from the shaft.

2,625,277

DRYING RACK

Frederic A. Rauscher, North Hollywood, Calif.
Application July 18, 1949, Serial No. 105,385
4 Claims. (Cl. 211-39)



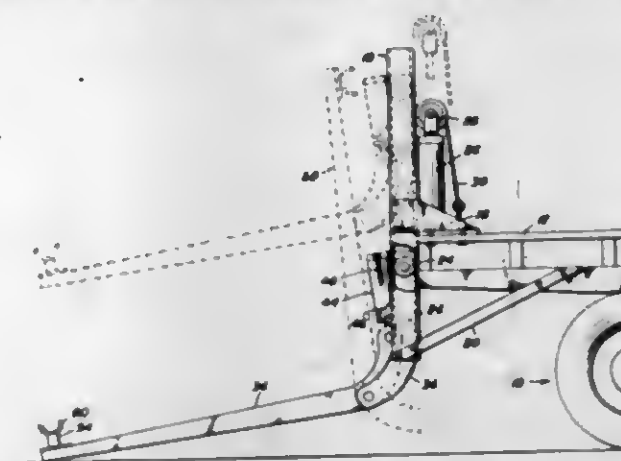
3. A drying rack for household linen, comprising: a triangular frame consisting of two side arms joined at one end and a rod connecting the opposite ends of said side arms; brackets adapted to be fastened to a vertical wall and perforated to receive said rod and thereby swingingly support said frame; supporting clamps arranged in spaced relation on only the inner faces of said side arms and consisting each of a ball vertically movable in a downwardly tapering receptacle, and detachable means for supporting the outer end of said frame with said side arms in a horizontal position.

2,625,278

HYDRAULIC TOW BAR

Andrew Sensenbaugh, Elkhart, Ind.
Application September 30, 1949, Serial No. 118,860
1 Claim. (Cl. 214-86)

A tow bar assembly comprising a frame having vertical guide rails, a carriage vertically slidable on said rails, means for sliding said carriage vertically, a tow bar pivoted on said carriage for vertical swinging and having a cross bar spaced from the pivot of said tow bar, a hydraulic cylinder mounted on said carriage with a downwardly acting piston, a bifurcated member on said piston engaging said cross bar upon downward action of the piston to swing said tow bar toward upright position, said tow bar being manually



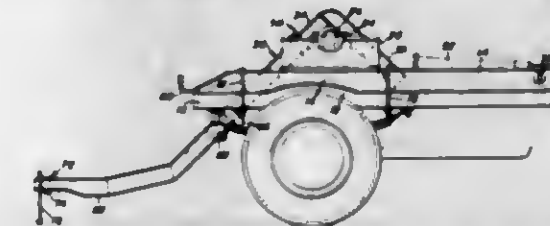
manual swinging of the tow bar into upright position.

2,625,279

VEHICLE LIFT FOR WRECKING TRUCKS

Delbert G. Dalby and Morris E. Smith, Amarillo, Tex.

Application May 10, 1950, Serial No. 161,122
2 Claims. (Cl. 214-86)



1. In a towing vehicle including a pair of side beams, a frame having horizontal lateral frame members and a transverse frame member secured to and between the rear ends of said lateral frame members, said lateral frame members overlying said beams and being detachably secured thereto, a rocker bar extending between said lateral frame members, means mounted on said lateral frame members rotatably supporting the ends of the rocker bar, a pair of spaced parallel V-shaped members having their apices secured to the rocker bar, said V-shaped members each including a forward leg and a rear leg, a pair of spaced parallel lever arms disposed between and rigidly secured to the rear legs of said V-shaped members, said arms having forward ends overlying and resting against said rocker bar, said transverse frame member including a depressed central portion forming a seat for the rear legs of said V-shaped members and intermediate portions of said arms when the rear legs of the V-shaped members are lowered, and a hydraulic cylinder mounted on said frame and having a piston rod operatively connected to the forward legs of said V-shaped members.

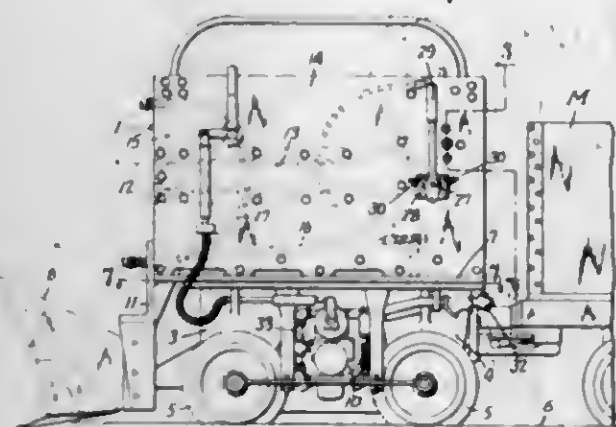
2,625,280

FLUID CONDUCTING MEANS FOR THE SHOVEL CENTERING MEANS OF SHOVEL LOADERS

Leslie A. Currier and Flesco B. Engel, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 6, 1945, Serial No. 626,996
2 Claims. (Cl. 214-132)

1. In a material loading apparatus, the combination comprising a base, a frame swivelled on said base, fluid actuated centering means on said base and operatively connected to an element on said frame for centering the latter relative to said base, a fluid supply connection on said

frame, said element having a fluid passage there-through to which said supply connection is con-

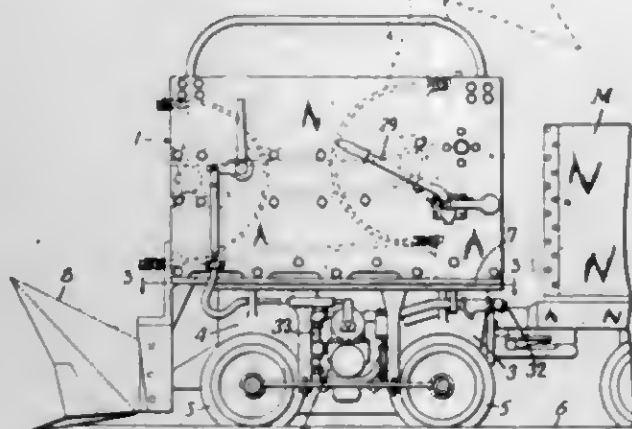


nected, and a fluid supply connection leading from said passage to said centering means.

2,625,281

FLUID SUPPLY CONNECTION FOR SHOVEL CENTERING MEANS

Robert C. Osgood and Fiesco B. Engel, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 6, 1945, Serial No. 626,954
2 Claims. (Cl. 214-132)



1. In a material loading apparatus, the combination comprising a base having a vertical swivel element, said swivel element having a pair of fluid passages therethrough, a frame swivelled on said base and swivelly engaging said swivel element, fluid actuated centering means on said base and operatively connected to said frame for centering the latter relative to said base, a fluid supply connection on said base leading to one of said passages, a valve means on said swivelled frame for controlling said centering means and connected to said one passage, a fluid supply connection on said frame for conducting fluid from said valve means to said other passage, and a fluid supply connection leading from said other passage to said centering means.

2,625,282

METHOD OF ORIENTING ARTICLES OF PREDETERMINED SHAPES

Victor F. Nekarda, Teaneck, N. J.
Application March 28, 1946, Serial No. 657,840
8 Claims. (Cl. 214-152)

1. The process of orienting an object of predetermined shape having a pair of opposed faces of

different but of predetermined contours transverse to an axis thereof, which comprises introducing said object into a body of liquid having a specific gravity less than the average specific gravity of said object and freeing said object for free movement in said liquid while its axis extends substantially horizontally, whereby said object sinks as a free body in said liquid and is

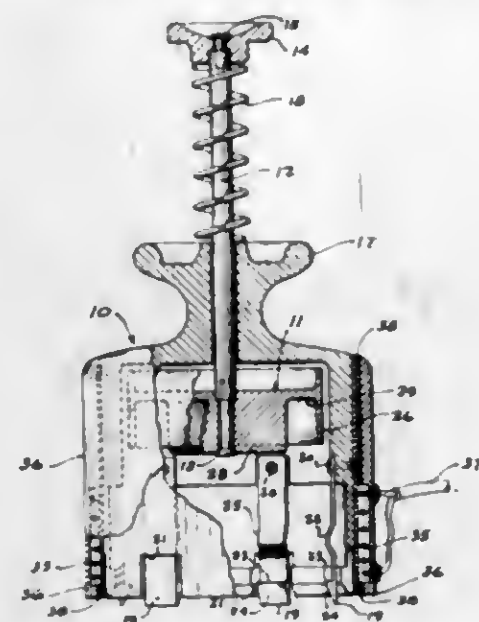


turned by the variations in liquid pressures created hydrodynamically by the free movement of said object in said liquid until it assumes a position of stability or equilibrium with a predetermined one of said faces oriented upwardly, arresting the free movement of said object in said liquid while in stable oriented position, and withdrawing said object from said liquid while so oriented.

2,625,283

DISPENSING APPARATUS

Charles A. Watts, La Grange, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application March 18, 1950, Serial No. 150,016
7 Claims. (Cl. 214-310)

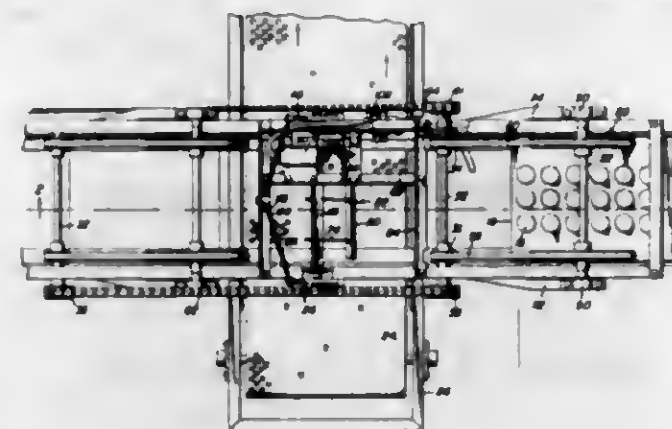


1. A device for removing the solidified contents, such as ice cream, from an open-top paper cup or the like, said device including a holder having a mouth communicating with an internal opening within which said cup may be received with the open end of the cup adjacent said mouth, means adjacent to the mouth of the holder to engage the rim of the open end of the cup at spaced points against forces tending to dislodge the cup from the casing, said means having a plurality of hook-shaped fingers attached to said holder and adjacent the mouth thereof, and to support a filled cup within the holder, and plunger means within the holder and operable from the exterior of the holder to push the bottom of the cup and contents toward said mouth.

2,625,284

BAKERY GOODS REMOVING MACHINE

James L. Atwood, Nashville, Tenn.
Application April 24, 1950, Serial No. 157,819
9 Claims. (Cl. 214-310)

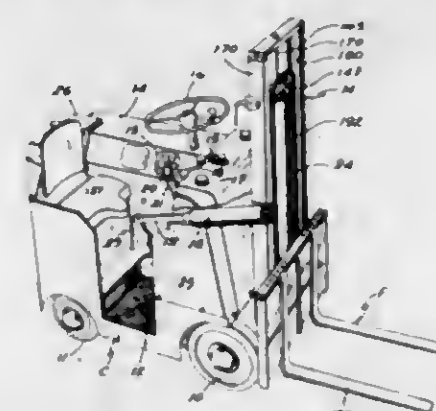


1. A cookie scraping machine comprising a frame, means for conveying pans of cookies on the frame, a scraper carried by the frame transversely to the path of movement of the pans, hydraulic means for pressing said scraper into engagement with the upper faces of said pans for scraping the cookies therefrom as the pans are moved beneath the scraper, and switch means interposed in the path of movement of the pans and actuated by contact therewith for operating said hydraulic means, said conveying means overlying and holding said pans on the frame against vertical displacement while moving them along the frame.

2,625,285

INDUSTRIAL TRUCK

Elverton W. Weaver, Cleveland Heights, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1947, Serial No. 750,914
10 Claims. (Cl. 214-674)

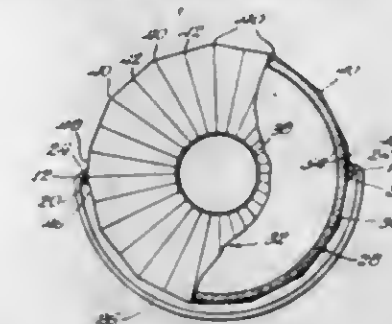


1. An industrial truck comprising a frame including a forward and rearward wheel mounting structure and a low-level intermediate platform extending from one side of the frame substantially to its longitudinal centerline, forward driving and rearward dirigible wheels mounted on said frame, a drive assembly comprising an internal combustion engine, a clutch, a drive shaft, a transmission mechanism and controls therefor, all disposed on the other side of said centerline, a steering mechanism disposed on the first named side of the centerline, and a power-operated lift mast supported on the forward end portion of the truck, said platform being below the axis of said drive shaft.

2,625,286

BOTTLE WITH LIGHT SHIELD

Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application February 1, 1950, Serial No. 141,706
1 Claim. (Cl. 215-12)



A light-shielded and impact protected bottle-shaped container which comprises the combination of a bottle having a conventional body and neck, an opaque cap, a tapered portion joining said neck and body, an opaque band around said body near the bottom thereof, and a ball pivoted at its ends on said band at diametrically opposite points; and a shield adapted to prevent the passage of light into said container and to prevent impact breakage thereof comprising a generally tubular opaque paper body coextensive in length with the bottle and the bottle neck subdivided by fold lines parallel to its axis into an accordion pleated body having a number of normally plane portions between folds, the fold lines between said flats including two more inwardly directed folds than the number of outwardly directed folds, said pleated body being so constructed and arranged as to fit snugly over a bottle and to be expanded into substantially circular form at the periphery thereof, the pleats adjacent one end being adapted for gathering about the neck of a bottle into a portion of smaller circumference than the body of said shield, said shield having upwardly extending, diametrically opposed slots adjacent the other end to accommodate the ends of the ball, said slots being positioned where they can be defined by cutting away the corners of a flat folded shield, said slots having a width less than that of two pleats, said pleats being compressed around said neck, a neck band encircling said neck and pleats, the bottom end of said shield being cut off in a plane normal to the tubular axis and remaining open, the slots in said shield terminating below the upper edge of said opaque band and allowing the ball ends to extend therethrough.

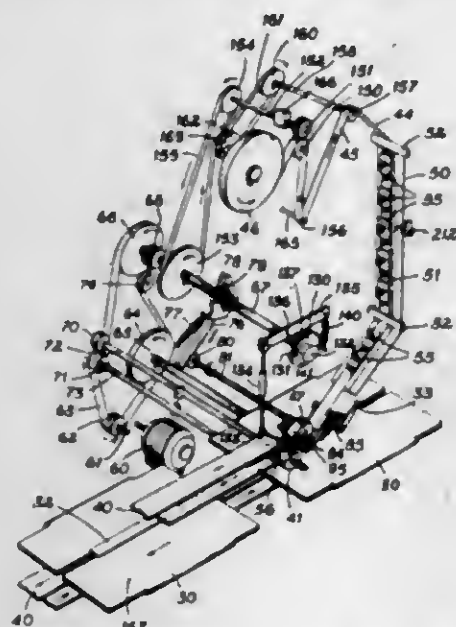
2,625,287

APPLICATION OF THERMOPLASTIC TAPE

Frederick W. Holt, Jr., Troy, David E. Bench, Trotwood, and Walter Ernst, Dayton, Ohio, assignors to The Brown-Bridge Mills, Inc., Troy, Ohio, a corporation of Ohio
Application March 14, 1950, Serial No. 149,574
16 Claims. (Cl. 216-30)

1. Apparatus for applying tape having a thermoplastic adhesive coating from a continuous supply thereof to successive articles to be sealed, comprising a frame, means for supporting said tape supply on said frame, means for conveying successive articles to be sealed to a predetermined application point, means for feeding tape from said supply to said application point, a heater including a heating surface intermediate said tape supply and said application point, means for guiding said tape to said heating surface, pressure means for effecting heat exchanging con-

tact between said coated surface of said tape and said heating surface to cause softening of said coating, means supporting said heater on said frame for movement between an operative position with respect to said guiding and pressure means and an inoperative position both retracted and laterally removed with respect to said guid-

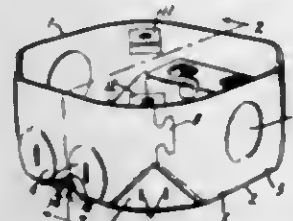


ing and pressure means to prevent overheating of said tape upon interruption of said feeding means, and means for aligning said heater with said guiding and pressure means to position said heating surface in substantially parallel relation with said tape for uniform heating of said coating lengthwise of said tape.

2,625,288

ELECTRICAL OUTLET BOX

Edward B. Clark, Milford, and Frederick W. Fagal, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application October 1, 1948, Serial No. 52,182
1 Claim. (Cl. 220-4)



An outlet box comprising a plurality of straight-edged flat sides joined together by rounded corners, the rounded corners adjacent the bottom of the box being indented to provide triangular-shaped inwardly extending depressions which taper upwardly and outwardly from the bottom edges of the corners, and a base member comprising a straight-sided plate having a contour corresponding to that formed by the side walls, the corners of the plate being bent up at an angle to provide triangular-shaped ears positioned in said triangular-shaped depressions, and means fastening the ears in the depressions, whereby said box sides and base may be formed from straight-sided strip material without waste.

2,625,289

WATER TROUGH

Emanuel Murphy, Logansport, Ind.
Application March 7, 1949, Serial No. 79,965
1 Claim. (Cl. 220-4)

A water trough comprising a horizontal sheet metal body having a bottom and side walls, flat

end walls of stiff sheet metal welded to ends of said body and being of greater width and depth than the body and having side portions projecting from opposite sides of the body and lower portions extending downwardly from the body and constituting supports for resting upon the ground and supporting the body in upwardly spaced relation to the ground, said end walls having opposite side edge portions folded inward-

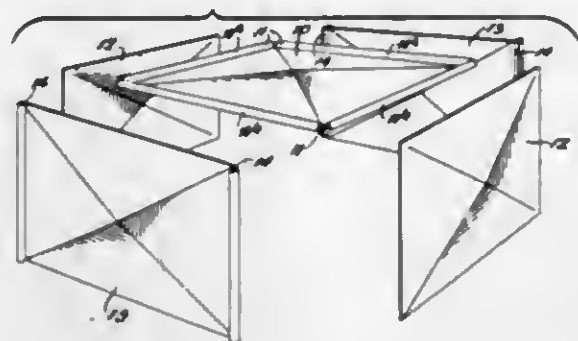


ly to form reinforced side edges and then being bent outwardly and then inwardly to form outstanding transversely V-shaped ribs welded along their inner side edges to outer surfaces of the end walls and extending the full height of the end walls and at their lower ends being flush with lower edges of the said end walls and constituting members for resting upon the ground and preventing lower edge portions of the end walls from becoming embedded in the ground.

2,625,290

SHEET ASSEMBLY STRUCTURE

Jack W. Kice and John M. Redmond, Jr., Wichita, Kans., assignors to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas
Application November 29, 1950, Serial No. 198,174
3 Claims. (Cl. 220-4)

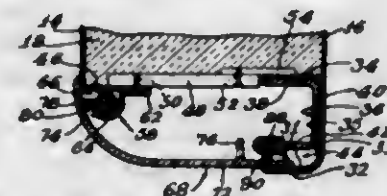


1. A sheet metal bonnet, comprising a pair of end panels having edge portions doubled upon themselves and extending rearwardly of said panel and providing inwardly facing channels, a pair of side panels having straight edges on all sides and with their end edges extending past said end panels and within the channels thereof, said edge portions of the panel being locked together by nested indentations in said edge portions, and a top panel having spaced edge flanges doubled upon themselves to form downwardly-facing U-shaped channels, said edge flanges extending upwardly above the top panel, said end panels between the U-shaped channels thereof and said side panels having their upper edge portions received within the channels of said top panel and secured therein by nested indentations in said flanges of the top panel and said engaged portions of said end and side panels.

2,625,291

REFRIGERATOR CONSTRUCTION

Robert E. Moore, Whittier, Calif., assignor to Amana Refrigeration, Inc., Amana, Iowa, a corporation of Iowa
Application November 27, 1950, Serial No. 197,786
3 Claims. (Cl. 220-15)

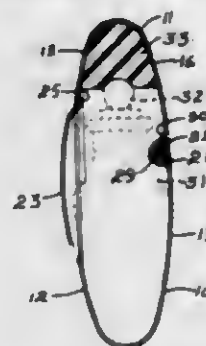


1. In a refrigerator construction, a cabinet having a wall structure including an outer shell and an inner liner with insulation therebetween, said cabinet having an opening to its interior, said outer shell and inner liner terminating in respective edges surrounding said opening, and a breaker strip extending between said edges, channel means on each of said edges of said shell and liner, each channel means opening in the same direction, a sealing strip secured in the channel means on said outer shell, a laterally extending projection on said sealing strip, one edge of said breaker strip being inserted between said projection and an element of the outer shell channel, said projection being flexible to afford insertion of one edge of the breaker strip and to bias the breaker strip toward said outer shell channel to retain said one edge in position, a bead formed adjacent the opposite edge of said breaker strip, a resilient sealing strip fitted on said bead, said bead and the sealing strip thereon being inserted into the channel means on said liner, said channel means on said liner having an open side of less dimension than its interior to resiliently retain said bead and the sealing strip in position.

2,625,292

PERFUME BOTTLE CONTAINER

Donald L. Spender, Wolcott, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 22, 1949, Serial No. 122,972
6 Claims. (Cl. 220-31)



1. A container comprising body and cover shells substantially semi-circular in shape, both shells having front and rear walls joined together by a rounding connecting wall, said shells having open end edges abutted together when in closed position at the mid plane of said container, the rear wall of the body having an extension rising above the mid plane of said container, said cover rear wall having a complementary recess for receiving said extension, means hingedly connecting said extension to said cover rear wall, the front wall of said body having an escutcheon plate section formed outwardly of the wall thereof with a portion of said section extending above said mid plane, said cover front wall having a comple-

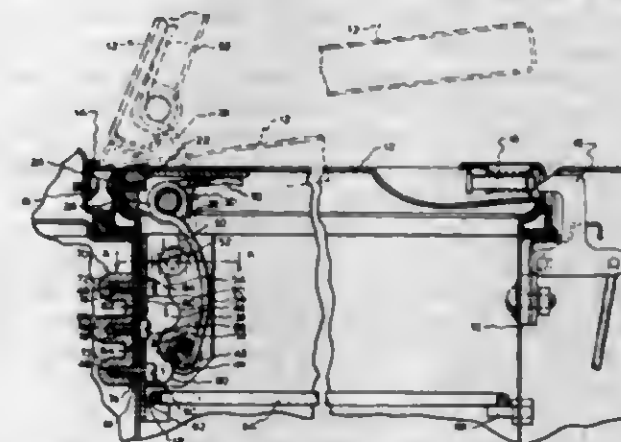
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mental cut-out to receive said escutcheon plate section, and means releasably interlocking said extended plate section to said cover front wall.

2,625,293

HINGED LID ACTUATOR AND PROP

Charles Hollerith, Jackson, Mich., assignor to Lake State Products, Jackson, Mich., a corporation of Michigan
Application February 17, 1949, Serial No. 77,020
7 Claims. (Cl. 220-35)

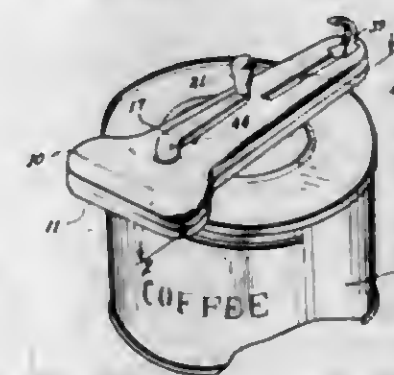


5. The combination with a cabinet, a cover hinged to one wall of the cabinet, and latch mechanism for holding the cover closed, of means for supporting the cover in a plurality of relative angular open positions, said means comprising means mounted on the interior of said cabinet wall having a generally vertically extending cam surface, said surface including a lower portion and an upper portion comprising successive humps and depressions, helical spring means supported on the underside of the cover having one end portion extended to bear against the cover and the opposite end portion extended toward the cam surface, a cam roller supported by said opposite end portion and bearing against the cam surface, the spring means being preloaded whereby when the cover is manually rocked to bring the cam roller into alignment with one of said depressions the roller will be forced into the depression to hold the cover in an open position by spring force, and closing of the cover being effective to further load the spring means whereby when the cover latch mechanism is tripped the cover will be forced open by spring force and the cam roller will ride along the lower portion of the cam surface until the lowermost depression is encountered.

2,625,294

TEAR STRIP REMOVER FOR CANS

Alfred Bodin, Palos Park, Ill., and Eric K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Bodin
Application March 13, 1951, Serial No. 215,222
3 Claims. (Cl. 220-52)



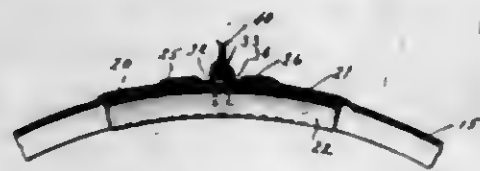
3. A vacuum can opener comprising upper and lower casing parts adapted to be fitted upon one

another, each of said parts comprising an enlarged end and a narrow elongated portion lying in the plane of said end and projecting laterally therefrom, a drive mechanism mounted between said upper and lower casing parts in said enlarged end, said mechanism comprising a first bearing recess located in said lower casing part, a first bearing opening located in said upper casing part directly above said first recess, a first shaft located in said first recess and extending upwardly through said first opening, a first gear fixed to said first shaft, a crank arm fixed to the upper end of said first shaft, a second bearing recess located in said lower casing, a third bearing recess located in said upper casing part directly above said second bearing recess, a second shaft adapted to rest between said second and third recesses, a second gear fixed to said second shaft and adapted to mesh with said first gear, a second bearing opening located in said lower casing part, a third shaft located in said second opening extending upwardly and downwardly therefrom and having a slit in its lower end adapted to engage with the tab of the removable strip of the vacuum can as the can opener is disposed thereupon, a pinion gear fixed to said third shaft at the upper end thereof, and adapted to mesh with said second gear, spaced rollers pivotally connected to the undersurface of said lower casing part at the periphery thereof with their axes perpendicular to the plane of said undersurface and in a line at right angles to the longitudinal axis of the narrow elongated portion of the casing parts, spring means for urging said rollers toward the can rim, a tension spring located in said narrow portion and anchored at one end, an elongated slot provided in each of said upper and lower casing parts in the narrow portions thereof said slots extending longitudinally of said narrow portions and in overlying relation, a vertical roller shaft adapted to ride longitudinally along said slots and extending upwardly and downwardly of said upper and lower casing parts, a pull handle fixed to the upper end of said shaft, a roller fixed to the lower end of said shaft, said spring being connected at the other end to said roller shaft whereby to urge said third roller toward the can rim.

2,625,295

SEALING RING FOR CONTAINERS

Russell S. Easterday, Cleveland Heights, Ohio, assignor to The F. C. Thornton Company, Cleveland, Ohio, a company of Ohio
Application March 31, 1949, Serial No. 84,501
1 Claim. (Cl. 220-61)



In a container sealing ring having free end portions, each free end portion having an outwardly offset inner surface, a complementary arcuate bridging portion carried at one end within the outwardly offset inner surface of one free end portion, the other end of said bridging portion being adapted to extend in underlapping relation within the outwardly offset inner surface of the other free end portion of the ring when assembled on a container, the inner surface of the bridge portion coating within the offset inner surfaces of the ring free end portions to form a smooth continuous arcuate surface with the intermediate ring portion, the extremity of

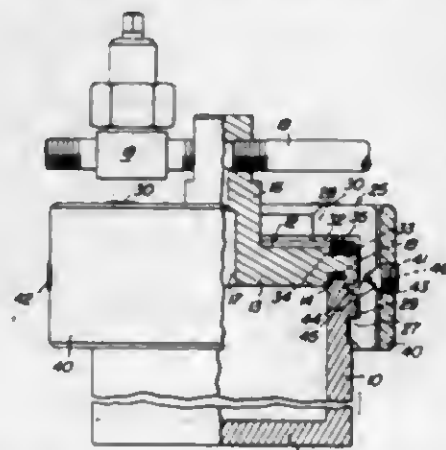
each free end portion of the ring having an outwardly offset portion forming a transverse ring connecting shoulder portion spaced inwardly from the corresponding extremity, one of said extremities being offset outwardly further than the other, whereby the outwardly offset extremities of each free end portion may overlap with the edge of the inner extremity abutting against the shoulder portion of the outer extremity in assembled relation on a container, each shoulder portion having an aligned opening forming a peripheral passage underneath the overlapping extremities and adapted to receive a sealing member therethrough, and means carried by the free end portions of the ring for drawing said portions arcuately toward each other into assembled relation about a container.

2,625,296

PRESSURE CONTAINER WITH REMOVABLE CLOSURE

Harold L. Parr, Moline, Ill., assignor to Parr Instrument Co., Moline, Ill., a corporation of Illinois

Application June 30, 1949, Serial No. 102,325
8 Claims. (Cl. 220-61)



1. Closure securing means for a container having a normally open top, a removable closure therefor, and a downwardly facing shoulder disposed peripherally on said container adjacent the top thereof, said securing means comprising a peripherally extending member split generally axially and having a first inwardly extending flange adapted to engage said shoulder and a second flange positioned to overlap said closure, a removable band adapted to be mounted on and to embrace said split member and a threaded element disposed in a threaded aperture in said band and having a tapered end positioned to enter into wedging engagement between adjacent ends of said peripherally extending split member to expand the latter within said band by turning said element in its threaded aperture.

2,625,297

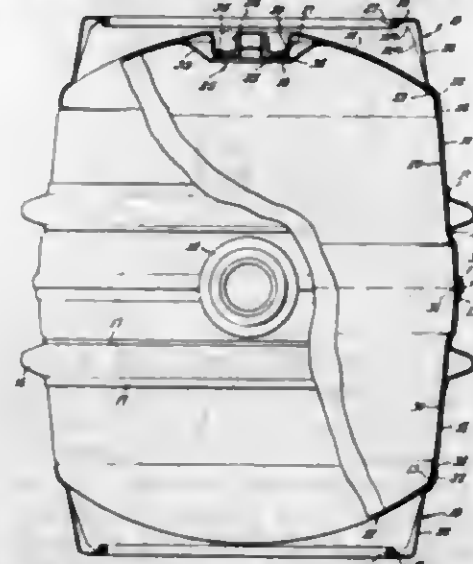
LINER FOR STEEL BARRELS

Ernst R. Koppel, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Original application August 22, 1945, Serial No. 611,977. Divided and this application December 18, 1947, Serial No. 792,467
4 Claims. (Cl. 220-63)

1. A metal barrel comprising a shell, and a stainless steel liner therefor; said shell comprising opposed bowl-shaped sheet metal sections having their rims anchored together and the bottoms of said sections providing domed barrel heads, the interior of said shell having an ap-

proximately continuous surface unbroken by outwardly bulging pockets or recesses of substantial dimension; said liner comprising opposed bowl-shaped thin metal sections united at their rims, the bottoms of said liner sections providing domed regions within the barrel heads, said liner having continuous unbroken contact with the superficial area of the shell and being supported solely by surface contact therewith; and a tap hole assembly on one of said barrel heads comprising a flanged tap hole fitting having an annular shoulder at the outer region of its flange; an intumed annular flange at the crown of said shell barrel head defining an exterior depression

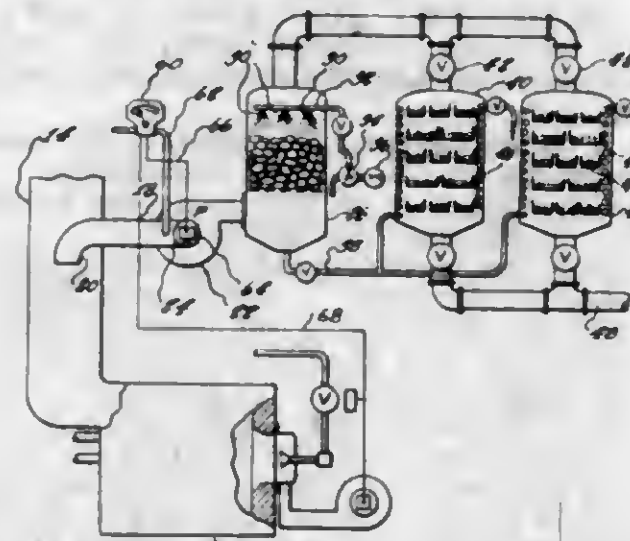


axially in said head; an annular lip at the inner region of said intumed shell flange and bounding the tap hole; an annular region at the crown of the adjacent liner head extending inwardly away from the crown of said shell head and having a lip joining said shell head flange at the lip of the latter thereby providing a truss-shape structure at the crown of the barrel head, said liner lip and said shell lip resting on said fitting flange in proximate relation to said fitting shoulder; and a readily accessible exterior weld anchoring said superimposed lips to said fitting flange at said shoulder and providing the sole connecting means between said shell, liner and tap fitting.

2,625,298

FIRE PREVENTION SYSTEM FOR FUEL TANKS

Frank L. Healy, Dongan Hills, and John J. Connors, Brooklyn, N. Y., assignors to Todd Shipyards Corporation, a corporation of New York
Application April 15, 1949, Serial No. 87,662
6 Claims. (Cl. 220-88)



3. In a gas inertion system, a fuel burner, a duct for carrying off at least a portion of the

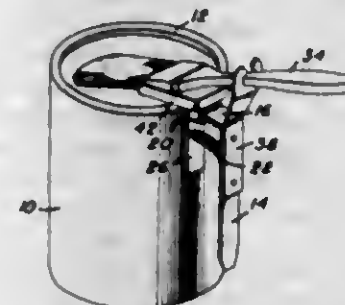
products of combustion from the fuel burner, a blower in said duct, a motor for driving said blower, a scrubber into which said blower discharges for scrubbing sulphur dioxide from said products of combustion, means for conducting the gases from the scrubber to the chamber in which the atmosphere is to be inerted, a carbon dioxide responsive control instrument connected with said duct, means for regulating the conditions of combustion of the fuel burner, and means for regulating the speed of the blower, both of said means being responsive to the action of the carbon dioxide control instrument.

2,625,299

PAINT CAN HOLDER

Emil Uhlig, Springfield, Pa.

Application December 26, 1950, Serial No. 202,631
3 Claims. (Cl. 220-90)

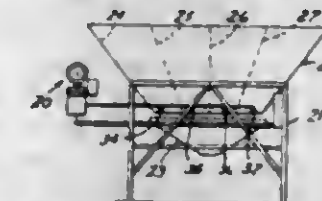


1. A container holder comprising a handle having an arm extending at right angles thereto, a hook disposed at the outer end of said arm, a substantially L-shaped member having a longer leg and a shorter leg, a guide secured to said shorter leg and having said arm pass there-through, said longer leg having a surface adapted to contact the outside surface of the container and said hook being arranged to engage the rim of the container, a spring reacting on said handle and said member constantly urging said arm outwardly of said guide and said hook in engagement with the rim of the container and a tray secured to said guide for movement therewith.

2,625,300

AUTOMATIC DISPENSING MACHINE WITH ELECTRIC LIGHTS FOR CONTROLLING SAME

Walter E. Saxe, Pasadena, Calif., assignor to The Conveyor Company, Inc., Los Angeles, Calif., a corporation of California
Application March 22, 1948, Serial No. 16,252
22 Claims. (Cl. 222-14)



10. In an apparatus of the character described, the combination of: a plurality of concentric, circular rows of electric lights; means for energizing selected ones of said lights; photoelectric means; and means for conducting light from said selected electric lights to said photoelectric means in sequence, said light-conducting means comprising an arm which is rotatable about the axis of said circular rows of lights, said arm being adapted to receive light from said selected electric lights at one end thereof and being adapted to project such light toward said photoelectric means from the other end thereof.

2,625,301

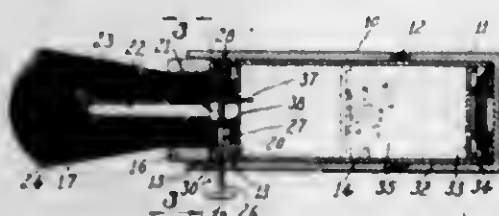
AUTOMATIC DISPENSING APPARATUS
Walter E. Saxe, San Gabriel, Calif., assignor to
The Conveyor Company, Los Angeles, Calif., a
corporation of California
Application August 28, 1947, Serial No. 771,013
22 Claims. (Cl. 222-14)



6. In an apparatus of the character described, the combination of: a plurality of material dispensing devices; a plurality of light sources respectively corresponding to said dispensing devices, said light sources being shiftable along a predetermined path; means governed by said light sources for actuating and subsequently de-actuating said dispensing devices in sequence, said actuating and de-actuating means including photoelectric means and including an indicator which is movable along said path at rates corresponding to the rates at which material is dispensed by the respective dispensing devices and which is adapted to register with successive ones of said light sources, said indicator having means for conveying light from successive ones of said light sources to said photoelectric means; and means for shifting said light sources into predetermined positions.

2,625,302

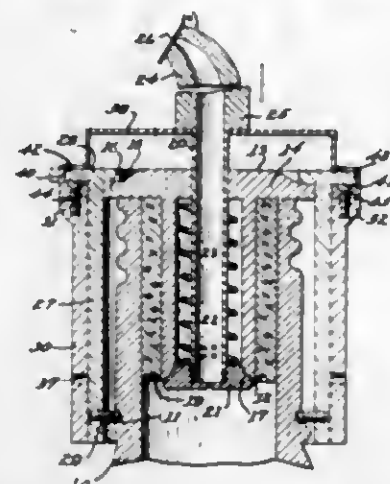
FOUNTAIN DISPENSER FOR PASTE OR THE LIKE
George R. Mahoney, Tariffville, Conn.
Application March 21, 1947, Serial No. 736,263
2 Claims. (Cl. 222-82)



1. A device for dispensing material in paste or cream form, said device comprising a hollow body, a partition member adjacent one end of the body having an opening therethrough, a valve member slidably mounted in said partition member to move transversely across said opening and having an opening therein adapted to be brought into registration with said partition opening, a paste-containing cartridge insertable as a unit in said body upon one side of the partition member, said cartridge having relatively rigid walls and an abutment at one end, a plunger in the cartridge exerting pressure on the material therein and a spring disposed wholly within said cartridge and reacting between the abutment and the plunger, said cartridge having a discharge opening at its other end registering with the opening in said partition member, a sealing member for said discharge opening, means carried by said partition member to puncture said sealing member, and a tubular dispensing member detachably secured to the body at the other side of the partition member.

2,625,303

DISPENSING CLOSURE FOR BOTTLES WHICH CAN BE LOCKED IN CLOSED CONDITION
Wilburt W. Mays, Philadelphia, Pa.
Application August 29, 1950, Serial No. 182,094
3 Claims. (Cl. 222-153)



1. A dispensing attachment for a bottle comprising an inner sleeve insertable into a bottle neck and having at one end a centrally apertured end wall projecting marginally beyond said inner sleeve and a valve seat at its opposite end, a tube extending through said end wall and said inner sleeve, a valve head on one end of said tube cooperating with said valve seat, spring means acting between said inner sleeve and said valve head resiliently urging said valve head away from said valve seat, a bushing of resilient material on said inner sleeve, an intermediate sleeve circumspatially receiving said bushing and engaged at one end with the marginal portion of the end wall of said inner sleeve, an outer sleeve slidably and rotatably mounted on said intermediate sleeve, bridge means connecting said outer sleeve to said tube at the side of said end wall remote from said sleeves, interlocking means on said intermediate sleeve and said bridge means releasably holding said tube in valve closing position relative to said inner sleeve, said outer sleeve being rotatable to a predetermined rotational position relative to said intermediate sleeve to release said interlocking means, and key operated lock means engageable between said outer and said intermediate sleeves to releasably restrain said outer sleeve against rotation relative to said intermediate sleeve to said predetermined position.

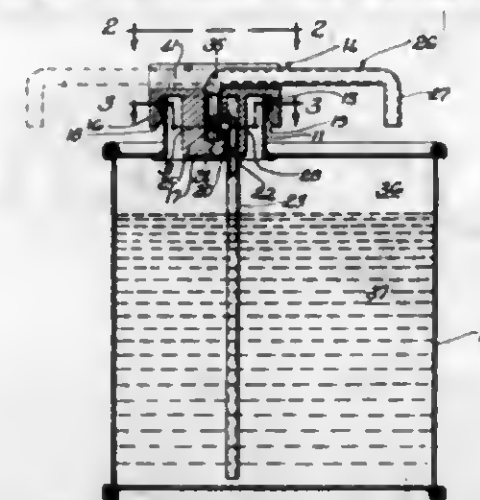
2,625,304

FUEL DISPENSING DEVICE WITH ROTATABLE NOZZLE COMMUNICATING WITH VENTING AND LIQUID DISPENSING OPENINGS

Harry A. Mart, Chicago, Ill., assignor, by mesne assignments, to Fil-O-Matic Corporation
Application February 21, 1950, Serial No. 145,391
1 Claim. (Cl. 222-211)

A liquid fuel dispensing device comprising a receptacle for the liquid, a hollow neck protruding from said receptacle, a combined closure and valve body for said receptacle secured to said neck, an elongated nozzle for dispensing liquid from said receptacle, said body having a bore for frictionally and rotatably receiving one end of said nozzle, a feed tube extending from said body and having its lower end in the space occupied by liquid, said body having a first passage providing liquid communication between said tube and bore, said nozzle having an aperture arranged to be brought into register with said first passage

upon rotation of said nozzle to liquid-delivering position, said body having a second passage in communication with the space above liquid level and with said bore, the axes of said passages both lying in a common plane transverse to the axis

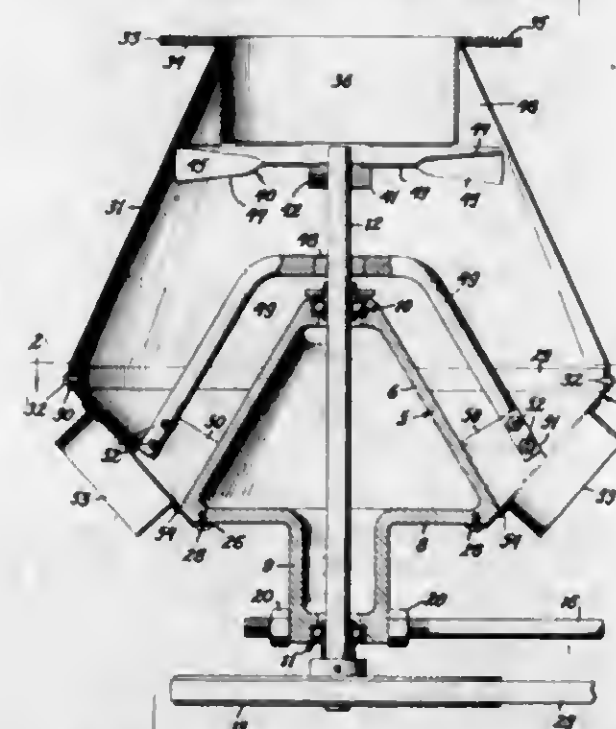


of rotation of said nozzle, and said passages being angularly displaced whereby upon rotation of said nozzle toward liquid delivering position said second passage is placed in communication with said nozzle aperture prior to registry of said nozzle aperture with said first passage.

2,625,305

STREAM SPLITTER FOR DIVIDING GRANULAR MATERIALS

William C. Conkling, Lockport, N. Y., assignor to
Richmond Manufacturing Company, Lockport,
N. Y., a corporation of New York
Application June 2, 1950, Serial No. 165,637
6 Claims. (Cl. 222-330)



1. A stream divider, comprising an enclosed round tubular casing having its axis vertically disposed, a vertical concentric inlet tube of smaller diameter than said casing secured to the top of said casing and having its lower end in spaced relation to the side wall of said casing to provide an annular diffusion chamber around the lower end of said inlet tube, an impeller having its hub arranged immediately below said inlet tube concentric with said axis and having blades extending outwardly to a position beyond the periphery of said inlet tube and under said annular diffusion chamber, said blades being pitched to effect vertical movement of the stock delivered

to said impeller by said inlet tube, means arranged to rotate said impeller in a direction to drive said stock so delivered upwardly into said annular diffusion chamber, and a plurality of outlet spouts leading from the bottom of said casing.

2,625,306

DISPENSING CLOSURE

Peter James Murphy, Toledo, Ohio, assignor to
Owens-Illinois Glass Company, a corporation
of Ohio
Application February 23, 1950, Serial No. 145,814
29 Claims. (Cl. 222-498)



11. A dispensing closure made of flexible, resilient material and comprising a cylindrical wall, means forming a part of the lower portion of said cylindrical wall for effecting a sealing contact with the outer surface of a container neck, an integral thin transverse wall spaced intermediate the top and bottom of said cylindrical wall to make sealing contact with the upper surface of the container neck, said transverse wall being perforated, a disk of flexible, resilient material in sealing contact with the upper surface of said transverse wall, said disk having a projecting edge at the lower portion of its periphery, an annular bead on the inside surface of the upper portion of said cylindrical wall, the diameter of said wall at said bead being less than the diameter of said disk at the projecting edge such that the projecting edge snaps below said annular bead and provides a readily separable locking engagement when the disk is in sealing contact with the plate and the disk may be lifted out of contact with and free from the transverse and cylindrical walls by upward vertical movement.

2,625,307

NEEDLE THREADING DEVICE

Clarence A. Pinkham, Douglaston, and Bartholomew Holohan, Kew Gardens, N. Y., assignors to
Nelpin Manufacturing Co., Inc., Long Island
City, N. Y., a corporation of New York
Application April 8, 1950, Serial No. 154,754
8 Claims. (Cl. 223-99)

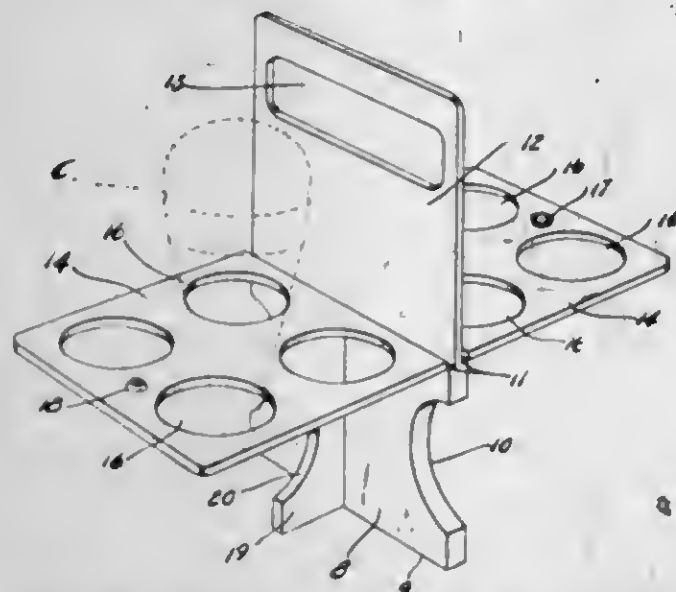


1. A needle threader comprising, in combination, a member formed with a passage to receive a needle to be threaded and a thread receiving slot intersecting such passage, said member being formed with guide means extending in a direction to intersect the passage and slot, a slide movable along said guide means, a thread engaging element projecting from said slide for movement across such passage and into the slot to engage a thread disposable therein, means aligned with such passage and serving as a seat for the butt end of a needle inserted in the passage to align the needle eye with said element, means biasing said slide in a direction to retract said element from the slot and passage, and an actuator mov-

ably mounted on said member and having a portion operatively associated with said slide and a manually engageable portion, said actuator being movable in one direction to advance said slide and element, against the force of said biasing means, through a needle eye and into the slot, and being movable in the opposite direction to assist said biasing means in retracting said element, and a thread engaged therewith, through the needle eye, said slide being of less cross-section than, and thereby having play in, said guide means to accommodate said element to needles having eyes at different distances from their butt ends.

2,625,308 CARRIER

Thomas S. Green, Midland, Mich.
Application January 15, 1951, Serial No. 206,030
1 Claim. (Cl. 224-46)



A carrier structure of the class described, comprising a main frame shouldered on its opposite sides at a point intermediate its length to form a relatively thin upper section formed with a slotted handhold opening adjacent the upper end thereof, panel members hinged to the main frame at the shoulder point and formed with a plurality of cone-accommodating openings therein, said panels being of the same dimensional shape as the upper thin section of the main frame to lie in close facial contact therewith when the panels are in folded position, legs secured to the main frame at a point intermediate its width with the upper ends of the legs forming a support for the panels when the panels are in open position, said panels being of a thickness to lie flush with said main frame when in folded position, and cooperating fastening means on said panels positioned to be accommodated in said handhold when said panels are in folded position.

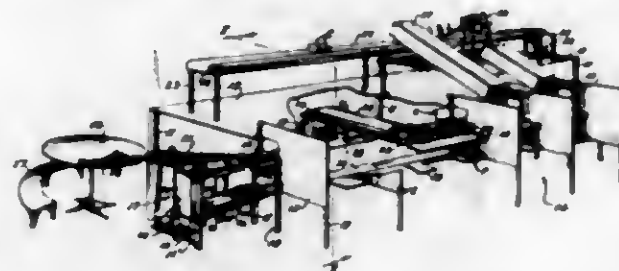
2,625,309

EGG ROOM EQUIPMENT

John W. Cox, Chicago, Ill., assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application December 22, 1949, Serial No. 134,515
8 Claims. (Cl. 226-2)

5. Egg room equipment comprising an endless driven conveyor having vertically spaced horizontal reaches, means defining a plurality of work stations arranged along one side thereof, a plurality of individual intermittently driven conveyors extending transversely across said conveyor into said stations, a platform in elevated

relation to said stations and paralleling the first named conveyor, a further endless driven conveyor disposed on said platform in substantial parallelism with said first named conveyor, and means to deliver packaging material from an elevation substantially above said platform and

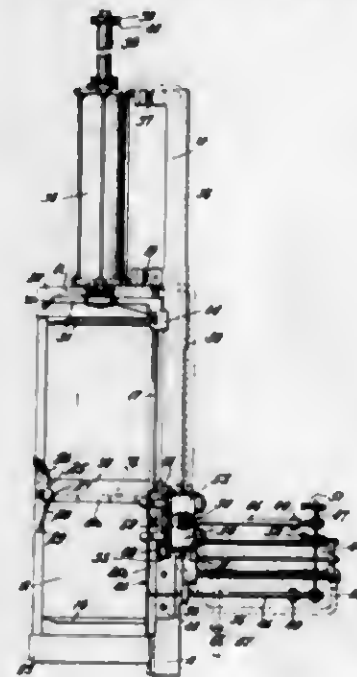


adjacent said further conveyor to said stations, said individual conveyors being positioned to extend transversely between said first named conveyor reaches and including means automatically controlled by articles conveyed thereby to govern the intermittent drive thereof.

2,625,310

PACKAGING PRESS

William L. Davis, Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey
Application December 17, 1949, Serial No. 133,615
4 Claims. (Cl. 226-14)



1. A packaging press comprising a lower press plate on which paper bags may be stacked, an upper press plate for compressing the stacked bags, said plates and compressed bags being clear on all four sides for substantially the full length of the bags to receive an encircling wrapper, a kicker plate and pusher for simultaneously ejecting the compressed bags and encircling wrapper from the press plates, means for actuating the upper press plate, and means for actuating the kicker plate and pusher.

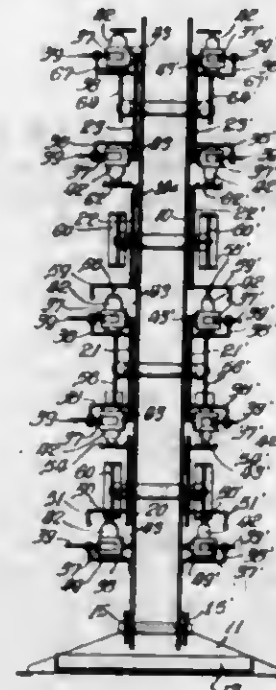
2,625,311

APPARATUS FOR FILLING AND EMPTYING CONTAINERS

Norman A. Siegal, Chicago, Ill., assignor to Irvin Swartzberg, Chicago, Ill.
Application November 17, 1950, Serial No. 196,245
6 Claims. (Cl. 226-22)

6. In a container handling apparatus, a chain belt and sprockets describing a zig-zag course,

brackets secured to intervallic links of said belt, a container gripping means mounted on each of said brackets comprising a springable channel member having inwardly converging extremities which form a camming action V clamp,

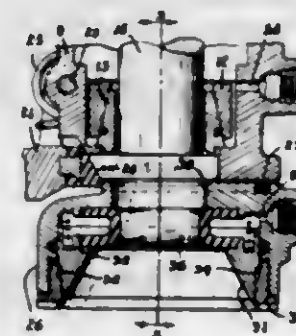


and a side rail paralleling the course of said chain belt and disposed to engage and confine containers between said V-portions by following the path described by said clamps as said chain belt pursues its zig-zag course.

2,625,312

APPARATUS FOR SEALING CONTAINERS WHILE CROWNING UNDER VACUUM

James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application November 14, 1949, Serial No. 127,197
5 Claims. (Cl. 226-82)



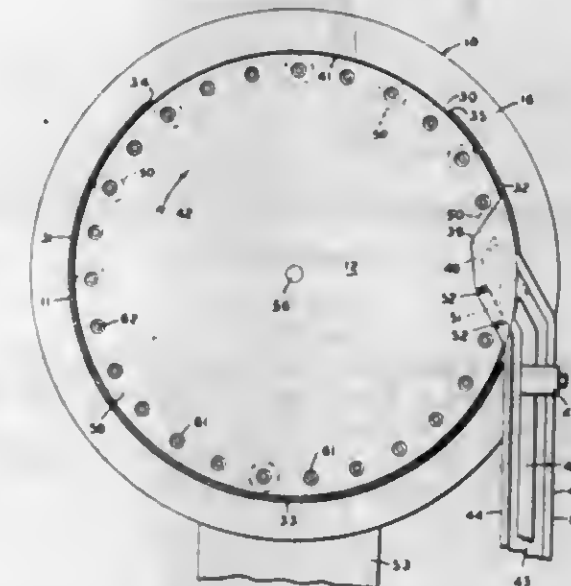
1. In combination, a crowning head having a crowning throat provided with a crown receiving aperture in its side wall and a crown rest disposed beneath and having a sealed connection with said throat and having an opening in the top side thereof through which a container neck is adapted to be projected, a crown support on the top wall of said rest surrounding said opening, a reciprocally mounted centering bell sealingly mounted in said rest and having an opening coinciding with the opening in said top wall, the top wall of said crown rest and the top of said centering bell being spaced to provide a space therebetween, a sealing ring disposed in said space for sealing engagement with the neck of the container and means for drawing a vacuum in said space to move said bell toward the top

wall of said rest and collapse said sealing ring to contract its side walls into engagement with the neck of the container surrounded by said ring.

2,625,313

HOPPER CAP FEEDER

Manuel S. Resina, Brooklyn, N. Y.; Rosa Resina, executrix of said Manuel S. Resina, deceased, assignor to Resina Automatic Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application September 15, 1947, Serial No. 773,977
5 Claims. (Cl. 226-88.1)



1. A hopper cap feeder for use with caps having a concavity and inner and outer peripheries, comprising: a main hopper plate which is rotatable; means to rotate said plate; a plurality of pusher elements mounted on said plate and movable with respect thereto; a plurality of pick-up elements movably mounted on said plate and alternating in position with respect to said pusher elements; said pusher elements and pick-up elements including pusher members and pick-up members respectively; said members in the active position thereof being located forwardly of said plate and in the inactive position thereof located rearwardly of the forward surface of said plate; and means to move the pick-up elements independently of the pusher elements; said pusher elements serving to position said caps whereby they may be engaged by said pick-up elements at which point said pusher elements contact portions of the outer peripheries of said caps, said pick-up elements contacting said inner peripheries of said caps.

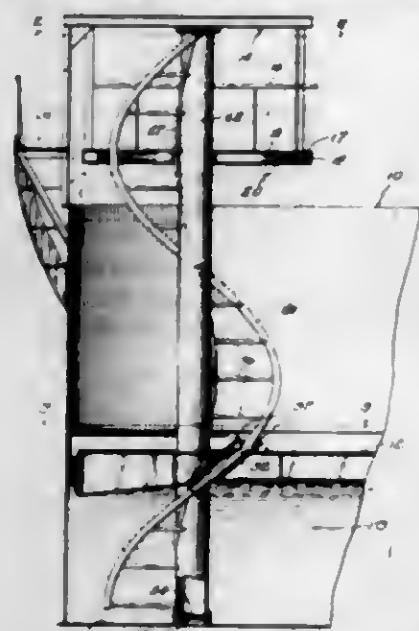
2,625,314

LADDER FOR FLOATING ROOF TANKS

Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge and Iron Company, a corporation of Illinois
Application April 3, 1948, Serial No. 18,836
7 Claims. (Cl. 228-1)

1. In a liquid storage tank having a floating roof, means of descent from the side wall of the tank to the roof comprising a platform adjacent the upper portion of the side wall, a spiral ladder extending downwardly from the platform

through the roof, and means operatively connected with said ladder and roof to cause relative



rotation therebetween during vertical movement of the roof.

2,625,315
CARTON

Emil William Fehrenkamp, Kansas City, Mo., assignor to Burd & Fletcher Co., Kansas City, Mo., a corporation of Missouri
Application March 28, 1949, Serial No. 83,861
1 Claim. (Cl. 229-45)



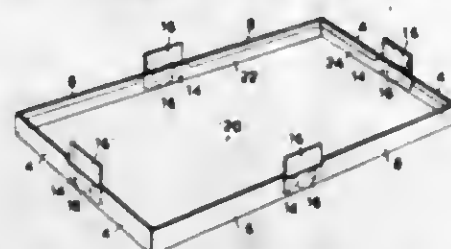
A carton of the character described, having four sidewalls, two of the opposite sidewalls being of greater width than the other two sidewalls, closure flaps hinging on the wider of said sidewalls on the opposite sides of an insert opening encompassed by said sidewalls, one of said flaps being an underlying flap and the other being an overlying flap, said underlying flap having a transverse slit extending at an angle relative to said wider sidewalls of the carton, said transverse slit having terminal slits at the ends thereof converging toward the sidewall having the overlying flap, a locking tab projecting from the edge of the overlying flap and having a width corresponding to the length of the transverse slit and having a laterally extending hook portion provided with an inclined side edge conforming with the angle of the terminal slit at the nearest end of the inclined transverse slit and forming a crotch with the edge of the overlying flap, said edge of the overlying flap having offsets on opposite sides of the locking tab corresponding to the inclination of the transverse slit, said hook portion of the locking tab having a rounding terminal curving into a straight edge portion of the locking tab that is parallel with said wider sidewalls of the carton, and said locking tab having the side edge opposite the hook portion at substantially right angles to said edge of the overlying flap and having an angular edge portion connecting said right angular side edge with the straight edge portion of the locking tab and extending in the same angular direction as the inclined edge of the hook portion to contact the adjacent end of the slit and effect lateral shifting of the locking tab to bring the crotch of the hook portion into engagement with the junction of transverse slit with the adjacent terminal

slit and engagement of the right angular end edge into engagement with the other terminal slit, and end flaps on the narrow sidewalls and adapted to underlie the closure flaps to provide supports for the ends of the closure flaps without interference with movement of the locking tab through the transverse slit.

2,625,316

TELESCOPING BOX WITH COVER FASTENER

John H. Stortz, Philadelphia, Pa.
Application November 18, 1949, Serial No. 128,133
1 Claim. (Cl. 229-45)

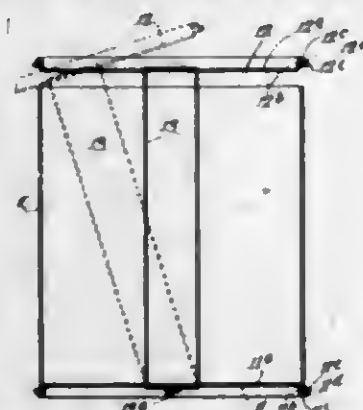


A mailing box comprising a box top part, a box bottom part shaped to nest into said box top part, said bottom part bearing identified spaces for the insertion of the names and addresses of an addressor and an addressee for mailing purposes and a cover blank for said box top part bearing on its outside surface descriptive matter relating to the contents of the box, said cover blank comprising a sheet of flexible material, a coating of adhesive material on the inside surface of the sheet and individual tabs of greater strength than the sheet extending from the sheet, said tabs each having a coating of adhesive on its inside surface, having a portion of its outside surface in engagement with the cover blank and secured thereto by means of the adhesive coating on the cover blank, being perforated in the region of its attachment to the cover blank to provide for engagement of a portion of the adhesive coated surface of the cover blank with the box top part in the region of the tab, and extending outwardly from the box top part when the cover blank is affixed to the box top part, the portions of the tabs extending outwardly from the box top part being constructed and arranged to be folded down and secured by means of the adhesive coated inside surface of the tab to the box bottom part when the box bottom part is nested into the box top part.

2,625,317

CONTAINER

Chester M. MacChesney, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application May 24, 1945, Serial No. 595,541
1 Claim. (Cl. 229-47)



A container comprising a cylindrical wall, circular end walls adapted to seat on the ends of

said cylindrical wall, and spaced wires connected to said end walls on opposite sides of the centers of said end walls and of greater normal length than said cylindrical wall, said wires when twisted together to shorten their effective length being arranged to hold said end walls in engagement with the ends of said cylindrical wall.

2,625,318

BAG WITH HANDLES

Lawrence T. Ross, Moreau, N. Y., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey
Application May 29, 1946, Serial No. 673,132
3 Claims. (Cl. 229-54)

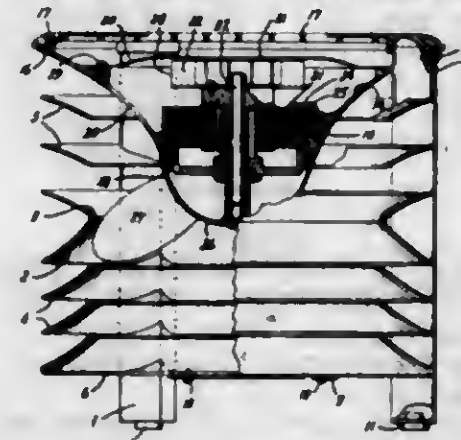


3. In a bag of the type having a sewn end closure, the combination of a tubular bag body having at least two opposing flat side walls, a pair of oppositely disposed U-shaped handles lying flat in inverted position along the outer surface of said opposing side walls each of said U-shaped handles consisting of a strip of flexible material having leg portions extending in spaced relation to each other along one of the flat side walls of the bag body with the ends of said legs being located at the end of the bag body and an intermediate portion connecting said legs at the other ends thereof, said intermediate portion being folded flatwise outwardly and downwardly on diagonal lines and across the outer sides of said legs substantially at right angles thereto, said intermediate portion being unfoldable along said diagonal fold lines to form a gripping portion conformable to the hand when the U-shaped handle members are extended beyond the end of the bag body, an end closure strip extending across the said end of the bag body, said closure strip having portions extending on opposite sides of the bag and over the ends of the legs of the U-shaped handles and a sewn seam securing said closure strip and the ends of the legs of the U-shaped handles to the bag body.

2,625,319

RADIAL FLOW ELECTRIC FAN

George J. Belsch, Devon, Conn., assignor to General Electric Company, a corporation of New York
Application May 26, 1951, Serial No. 228,478
4 Claims. (Cl. 230-259)



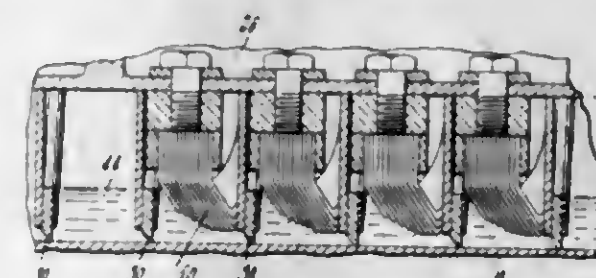
1. A radial flow electric fan comprising a downwardly facing curved annular deflecting

wall having circumferentially spaced discharge ports, an electric motor mounted within said deflecting wall with its shaft vertical, a radial flow fan on the upper end of said shaft, a cover carried by the deflecting wall which defines an opening for flow of air to said radial fan and a wall for directing air from the fan to said discharge ports, a fan blade carried by the lower end of said shaft, and a standard for supporting said deflecting wall comprising an annular wall which defines an orifice in which the fan blade rotates, inlet louvers for directing air to the fan blade from below the orifice and outlet louvers for directing air from the fan blade radially outward, said outlet louvers serving also to direct the air discharged from said ports.

2,625,320

CENTRIFUGE FOR RAPID EXTRACTION OF FINE PARTICLES FROM SUSPENSIONS

Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., South Walpole, Mass., a corporation of Massachusetts
Application June 20, 1950, Serial No. 169,149
7 Claims. (Cl. 233-7)



1. A centrifuge for continuous operation comprising a bowl rotatable about its axis, said bowl having a head at one end with discharge ports for solid particle concentrates and a head at the other end with discharge ports for effluent liquid, all said ports being spaced radially inward of the bowl wall to maintain a pool of suspension in said bowl during operation, a helicoidal conveyor blade rotatably mounted in said bowl with its peripheral edge nearly in contact with the inner surface of the bowl, a plurality of helicoidal auxiliary vanes mounted between convolutions of said blade to rotate therewith, the elements of said vanes having outer portions immersed in said pool and inclined to the radial direction, and means for rotating the bowl and the blade and vane assembly at different speeds.

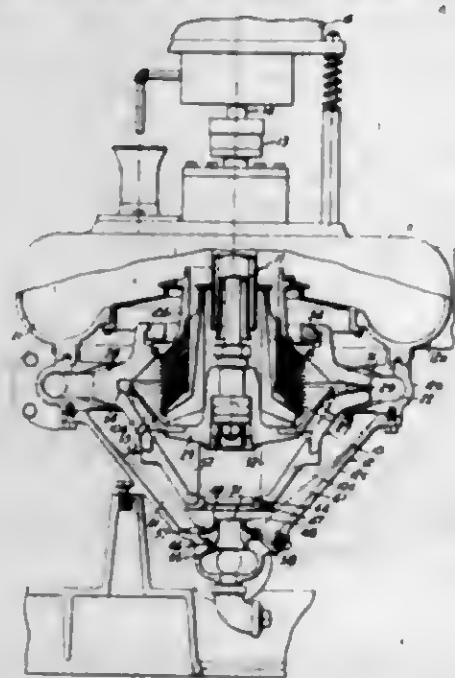
2,625,321

CONTINUOUS CENTRIFUGE OF THE TYPE HAVING AN UNDERFLOW RETURN CIRCUIT

John G. Glasson, San Anselmo, Calif., assignor to Merco Centrifugal Co., San Francisco, Calif., a corporation of California
Application March 7, 1949, Serial No. 80,077
4 Claims. (Cl. 233-19)

1. In a centrifuge construction, a vertically disposed rotor adapted to receive feed material and arranged for separate discharge of centrifugally separated underflow and overflow fractions, a housing serving to enclose the rotor, means forming part of the housing for separately collecting and removing overflow and underflow fractions being discharged from the rotor, an impeller forming the lower part of the rotor and having a lower opening faced downwardly, said housing including a lower portion generally embracing said impeller and formed to receive materials spilled from the rotor and to collect such spilled

material in the lower end thereof, the space between said lower portion of the housing and said impeller forming a windage zone during operation of the machine, means for delivering a portion of the underflow material as an upwardly directed jet into the impeller and through said downwardly faced opening, a baffle means mount-

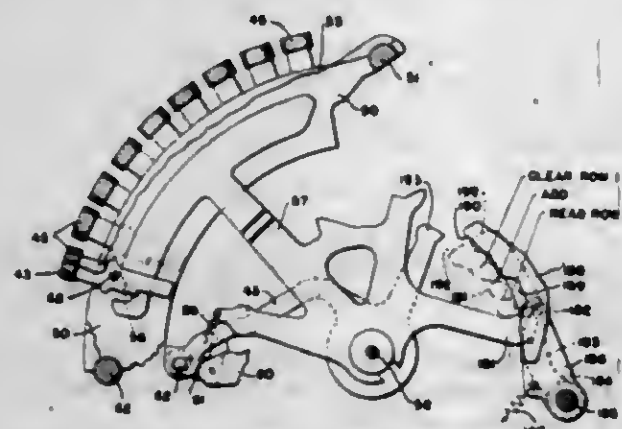


ed in the walls of the lower part of the housing in said windage zone and serving to minimize swirl of spilled material, and means disposed below the lower end of the rotor for continuously conducting collected and spilled material from the lower portion of the housing into the stream of underflow material being discharged into the impeller.

2,625,322

TRANSACTION COUNTER SELECTION AND CONTROL

Frank B. Moser, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 30, 1948, Serial No. 57,507
8 Claims. (Cl. 235-2)



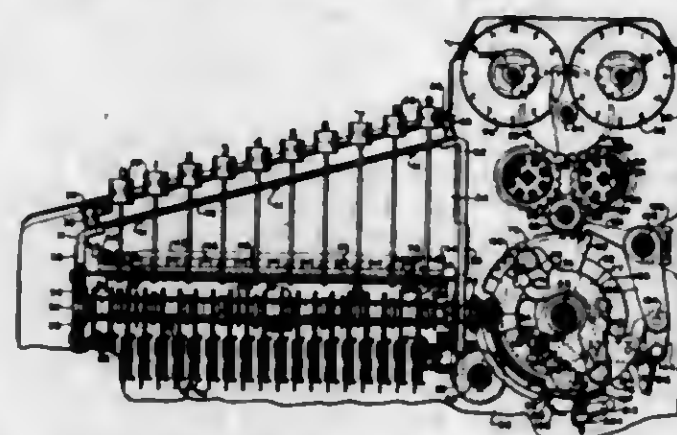
1. In a machine of the class described, adapted to record single-item transactions and multiple-item transactions and having a total lever having an "add" position, a sub-total taking position, and a total-taking position, a bank of clerks' keys and a differential mechanism associated with said clerks' keys, the combination of a plurality of special step-by-step counters, one associated with each of the keys in the clerks' bank; means actuated under control of the clerks' bank differential mechanism for selecting one of said counters for each single-item transaction, and also for selecting one of said counters for each of said multiple-item transactions; actuating

means for said special counters; operating means for said actuating means; a special key means intermediate the total lever and said differential mechanism and controlled by said special key to prevent selection of any of said special counters during the entry of all of the items of a multiple-item transaction; a cam device secured to said total lever; a plurality of arms and levers operated by said cam devices; means connecting said arms and levers with said special counter operating means to render the latter ineffective upon movement of the cam device by said total lever when the total lever is moved into certain of its positions of adjustment; and a member carried by the total lever to operate a portion of said intermediate means upon movement of the total lever into total-taking position to render the remainder of said intermediate means ineffective, thus causing the differential mechanism to select a special counter during the taking of the total of the multiple items.

2,625,323

CASH REGISTER

Gunnar Nelson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application January 22, 1948, Serial No. 3,858
21 Claims. (Cl. 235-6)



1. In a machine of the class described, the combination of digital amount keys for one denominational order; a plurality of totalizers, each having a totalizer member for said one denominational order; a rotatable differential device for said one denominational order; a shaft extending lengthwise beneath the amount keys and extending lengthwise above the totalizer members, said shaft having its axis at right angles to the axis of the differential device and constructed and arranged to be operated thereby; a stop means on the shaft for each amount key and coacting with the corresponding effective amount key to position said shaft and the differential device according to the value of said effective amount key; and a driving part on the shaft for each totalizer member and engageable by the selected ones of said totalizer members to transmit the value of the effective amount key to said selected totalizer members.

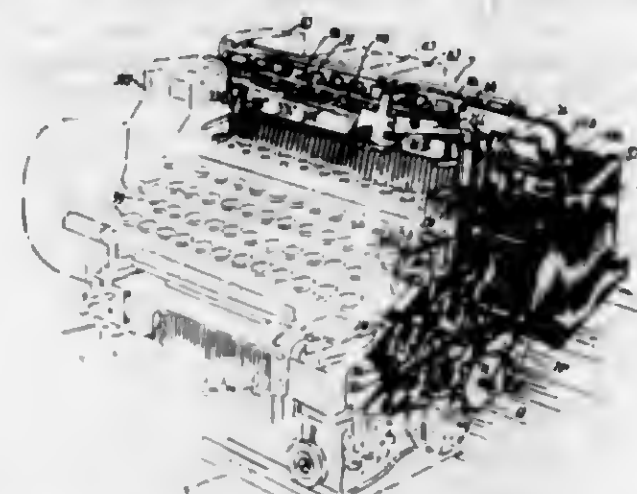
2,625,324

TOTAL TAKING MEANS FOR TYPEWRITER-COMPUTERS

Oscar J. Sundstrand, West Hartford, Conn., assignor to Underwood Corporation, a corporation of Delaware
Application September 4, 1944, Serial No. 552,656
43 Claims. (Cl. 235-59)

1. A typewriting and accounting machine having, in combination, power means, a substantially

flat platen, type-bar mechanisms for successively typing characters on a work sheet supported on the platen, a type carriage on which said type-bar mechanisms are mounted for movement across the platen, mechanism driven by the power means for actuating the type bars, a totalizer including a plurality of digital representing wheels, a differential actuator mechanism for the totalizer for successively rotating the digital representing wheels thereof to enter numbers, digit by digit, therein, in response to operations of said type bar mechanisms, a feeler mechanism comprising a plurality of sensing members less in number than

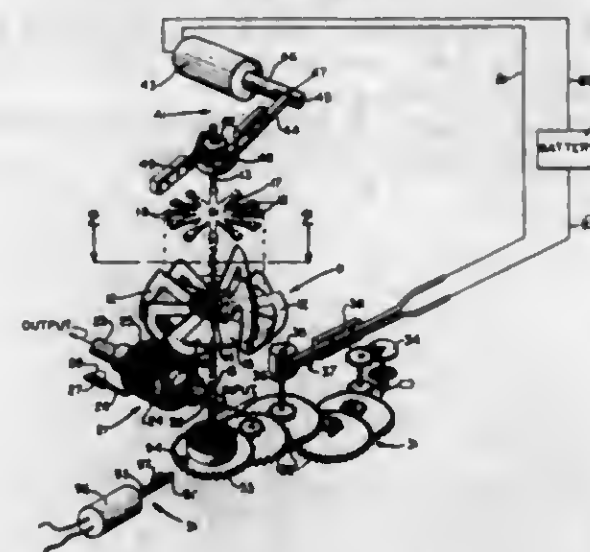


the number of discrete digital positions of said digital representing wheels, a control member connected to each of said sensing members, said sensing members being movable relatively to said totalizer and thereafter simultaneously engageable with the successively associated digital wheels of the totalizer, and means controlled jointly by all of said control members to select one of said type bar mechanisms and to engage the selected one of said type bar mechanisms with said mechanism driven by the power means to print a figure corresponding to the position of the sensed digit representing wheel.

2,625,325

AVERAGE INDICATING APPARATUS

Russell S. Crenshaw, Jr., Arlington, Mass.
Application January 27, 1949, Serial No. 73,209
9 Claims. (Cl. 235-61)
(Granted under Title 35, U. S. Code (1952), sec. 266)



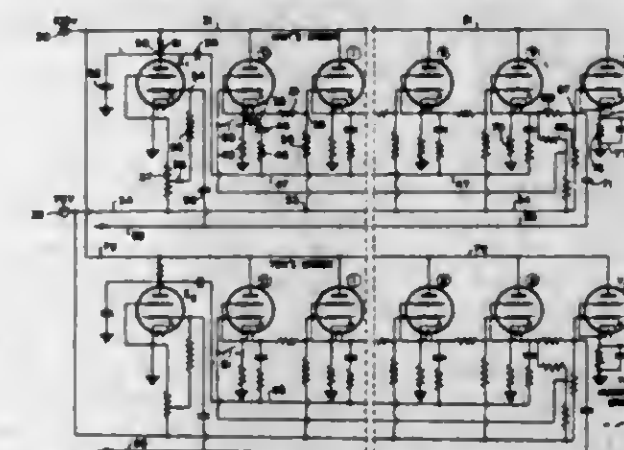
1. Apparatus for indicating the running average of the rate of occurrence of events comprising a driven shaft, a source of electrical energy, a timing mechanism, a switch adapted to be operated at selected predetermined intervals of

time from said timing mechanism, a pawl and ratchet lever drive to rotate said shaft in angular steps, a magnetic solenoid and core adapted to operate said lever, conducting leads to connect said solenoid to said source through said switch, a plurality of gear sectors disposed radially about the axis of said shaft and pivoted from a supporting structure rigidly fastened coaxially to said shaft to move said gear sectors through steps of angular rotation with said shaft, an input shaft adapted to rotate proportionally to the occurrence of events, an output shaft, a differential gearing having input and output gears, said differential being interposed between said input shaft and said output shaft and adapted to mesh with said gear sectors successively, a resilient connection between said differential and said input shaft, a spring member to bias each of said gear sectors toward a reference position, ratchet and pawl means to lock said gear sectors in position, means operated during the stepping rotation of said driven shaft to move said gear sectors into mesh successively with said gear and periodically to unlock the gear sector meshed with said input gear and the gear sector meshed with said output gear whereby said output shaft is simultaneously rotated by the action of said input shaft to position said gear sector meshed with said input gear and by the action of said spring to restore to said reference position said gear sector meshed with said output gear, and means operated by the stepping action of said driven shaft to disengage said gear sectors and said differential gearing and to relock said mechanism.

2,625,326

ELECTRONIC ACCUMULATOR

Robert E. Mumma, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application May 25, 1950, Serial No. 164,107
3 Claims. (Cl. 235-92)



1. In an accumulator which is operable in response to positive input impulses and which has in each denominational order thereof the combination of a plurality of electron discharge devices; a circuit network for supplying operating potential to said devices and for connecting the devices in a ring for sequential operation; a further circuit connecting the devices for mutual extinguishing action whereby conduction beginning in a device will extinguish a previously-conducting device, said further circuit also serving as an input circuit by which negative stepping impulses can be impressed on the devices of the ring to cause their sequential operation; an entry electron discharge device; circuits to supply operating potential to the entry device and to enable the entry device to impress a negative stepping impulse on said further circuit

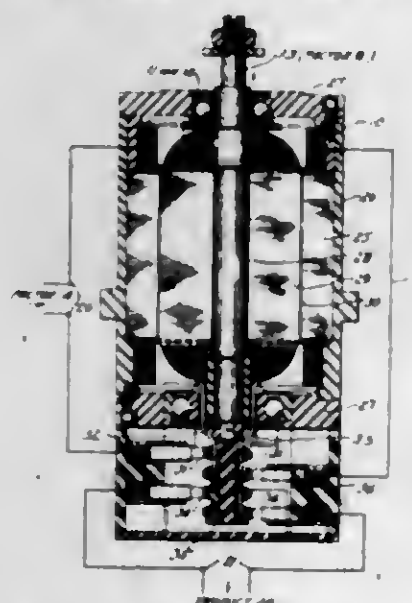
for each positive impulse impressed on the entry device; a tens transfer electron discharge device; circuits for supplying operating potential to the tens transfer device and for producing a positive impulse each time the transfer device operates; a priming circuit connecting one of the devices of the ring to the transfer device to prime the transfer device for operation whenever said one device of the ring conducts; and means to impress positive input impulses on the entry device and the transfer device to cause the sequential operation of the devices of the ring and the operation of the transfer device when it has been primed.

2,625,327

ELECTROMECHANICAL CALCULATING APPARATUS

George Agins, Brooklyn, N. Y., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York

Application December 4, 1945, Serial No. 632,651
10 Claims. (Cl. 235—61)



1. In an electromechanical calculating apparatus for computing the product of two values, the combination of an input stator winding, a source of input alternating current connected thereto for creating a magnetic field therewith, said source being adjustable in accordance with the magnitude of one of said values, an input rotor winding inductively positioned in the magnetic field of said input stator winding, mechanical input means for adjusting the angle of said rotor winding relatively to said stator winding in accordance with the other of said values, series connections between said rotor winding and said stator winding, an output winding positioned in inductive relation to one of said input stator and rotor windings and responsive only to a function of the magnetic fields created thereby, and indicating means directly connected to said output winding for indicating the product of said values, the turn ratio between said input rotor winding and said input stator winding being substantially .28 or 3.57.

2,625,328

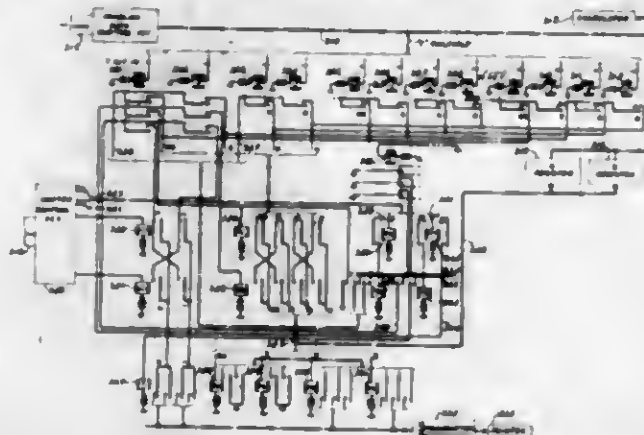
AUTOMATIC CODE TRANSLATING SYSTEM

Orfeo Cesario, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 17, 1946, Serial No. 716,753
2 Claims. (Cl. 235—61)

2. In a calculating device, a register for temporarily storing a calculated multidigit number

whose first digit serves also as a sign indicator, a plurality of class relays for differently deriving the sign of said number from said sign indicator, a printing device for printing signs and numbers responsive to coded voltage signal representations thereof, a translator for translating electrical signals representing registered digits into coded voltage signals suitable for the operation of said printing device, an inverter interposed in the circuit between said register and said translator under control of one of said class relays for inverting the sign circuit connections between said register and said translator thus changing the sign represented by said first digit into its opposite, a second inverter interposed in the circuit between said register and said translator for inverting the digit circuit connections



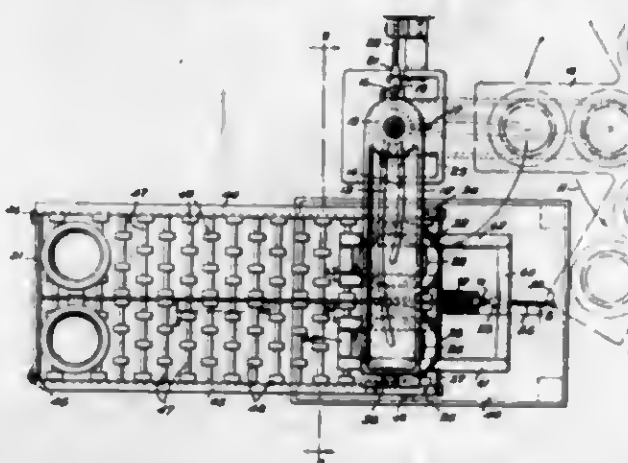
between said register and said translator thus changing the remaining digits of said number into their complements, means responsive to the electrical signals indicating the sign represented by the first digit of said registered number for operating said second inverter, and master control means for selectively (1) invariably operating said second inverter in one way and transmitting electrical signals representing all digits from said register therethrough or (2) transmitting electrical signals representing said first digit through said first inverter and electrical signals representing the remaining digits through said second inverter, whereby said registered number may be selectively (1) printed in its registered form or (2) translated into and printed as a number in its true form preceded by a sign.

2,625,329

PLATE COUNTER AND STACKER

Roger Wells, Plattsburg, N. Y., assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware

Application January 3, 1951, Serial No. 204,229
12 Claims. (Cl. 235—98)



1. A plate counting and stacking device comprising, means for periodically feeding plates,

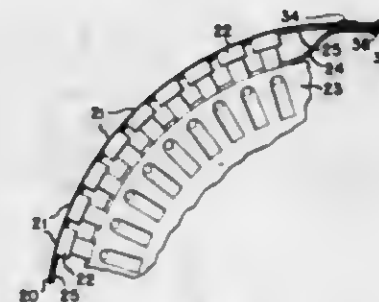
plate accumulating means pivotally positioned to receive plates from said first means in one position and movable to a second position in response to the weight of said plates to discharge said plates, latch means to prevent movement of said accumulating means to said second position, counting means for counting the number of said plates fed to said accumulating means, and means responsive to predetermined movement of said counting means for moving said latch means and permitting the pivotal movement of said accumulating means to discharge position.

2,625,330

CLASSIFICATION DESIGNATION CHANGE MEANS FOR ACCOUNTING MACHINES

Kenneth M. Buckey, Paul M. Koons, and Pascal Spurlino, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application February 16, 1950, Serial No. 144,546
4 Claims. (Cl. 235—146)



1. A classification change means for use with banks of accounting machine classified data recording control keys and adapted to be removably attached to the machine, said change means comprising a single flat flexible opaque member to contact the tops of said keys and conceal said banks of keys when said member is attached to the machine, said member having indicia-bearing areas on the upper surface thereof and conforming to the locations of the concealed keys in all banks whereby the classified data recording control keys are operated by depressing the desired indicia-bearing areas to change the recording of classified data according to the indicia on said opaque member thereby increasing the control capacity of said control keys.

2,625,331

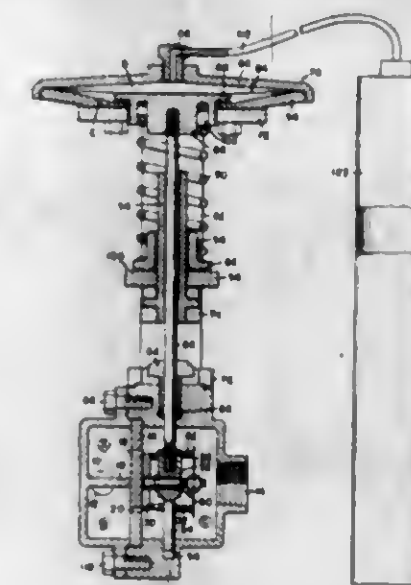
MIXING VALVE

William V. Jordan, Lebanon, Ohio, assignor to Jordan Regulator Corporation, Lebanon, Ohio, a corporation of Ohio

Application December 13, 1949, Serial No. 132,777
10 Claims. (Cl. 236—12)

5. A mixing valve comprising a first, a second, and a third chamber, a port in each of said chambers, an orifice plate between the third and said first and second chambers, said plate provided with two ports, one interconnecting said first and third chambers, the second interconnecting said second and third chambers, gates located in each of said first and second chambers for selectively engaging the orifice-plate-ports for uniformly varying their respective effective areas for controlling the rate of flow of fluid there-through, manually operable means for synchronizing the operating characteristics of said gates, said manually operable means including a shaft for each gate, a lever secured to and carried

by that end of each shaft remote from its associated gate, a follower secured to and carried by each of said levers, a rotatable cap member, cam means secured to and carried by said cap, said followers engaging said cam means, a slide valve located in the third chamber dimensioned



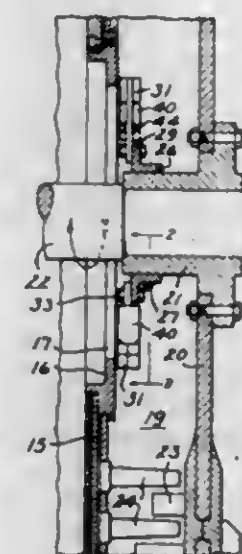
to selectively engage the ports in said orifice plate for proportionately varying their relative openings, and means operative for shifting said slide valve relative to said ports in response to temperature changes occurring in an area in open communication with the port of said third chamber.

2,625,332

REJECTOR BLADE FOR ROTARY PULVERIZERS

Wayne C. Rogers and Merrill W. Higgins, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application November 22, 1950, Serial No. 197,122
7 Claims. (Cl. 241—300)

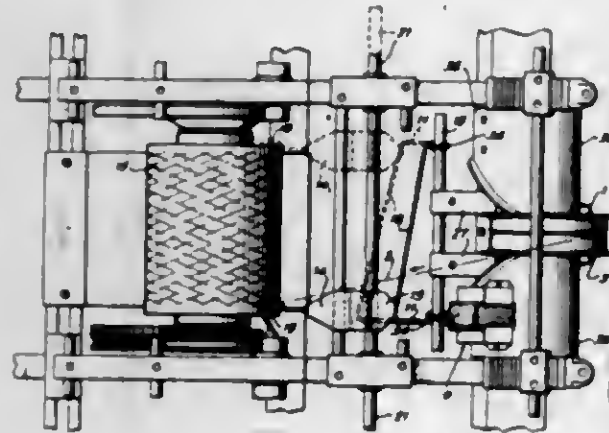


1. A rejector blade adapted to revolve in a generally radial position adjacent a central outlet of a pulverizer and comprising an elongated shank, an outer portion on the outer end of the shank forming a V-shaped trough aligned radially to the axis of rotation and facing forwardly in the direction of travel, the inner surfaces of the trough being flat, and armor plate of an extremely hard material covering the said inner surfaces to protect them from wear.

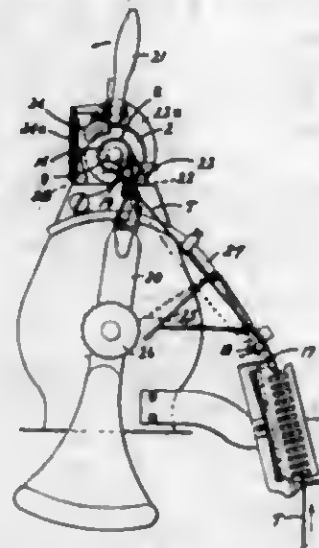
2,625,333

TRAVERSE GUIDE TRIP

Chadwick B. Kingsbury, Elizabethton, and Ralph H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application April 28, 1950, Serial No. 158,654
8 Claims. (Cl. 242-37)



rounded peripheral edge whereby the yarn falls to wind into said space between the flanges when



the space becomes filled adjacent said peripheral edge.

2,625,335

TEXTILE SPOOL DRIVING CONNECTION

Rawson Atwood, Garden City, N. Y., assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 29, 1948, Serial No. 39,049
6 Claims. (Cl. 242-46.2)



1. In a twisting machine, in combination, a spindle constituting a source of supply of twisted yarn, a rotating take-up package for receiving the yarn coming from said spindle, a traverse guide for delivering yarn to said package and moving over said package and in contact with the yarn thereon, a traverse bar on which said guide is pivotally mounted and by which it is reciprocated, means for effecting pivoting of said traverse guide about said traverse bar and out of contact with the yarn on the package when the running yarn leading to said package breaks or the supply thereof fails, said means including an electrical circuit and comprising a circuit-controlling member bearing against said running thread, an electromagnet controlled by said circuit-controlling member, said member being arranged to effect energizing of said magnet upon breakage or failure of supply of said thread, a traverse guide actuating member operated by said magnet movable into the path of said traverse guide in response to energization of said magnet, said actuating member having a cam surface adapted, when said traverse guide is reciprocated and moved thereagainst by the traverse bar, to pivot said traverse guide about said traverse bar and out of contact with the yarn on said take-up package.

2,625,334

CAKE STRIPPING BOBBIN

John Francis Ewing and Malcolm John Brosious, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 9, 1947, Serial No. 746,982
8 Claims. (Cl. 242-39)

1. In combination with a rotary yarn package-building member, a yarn-measuring device comprising spaced flanges connected with one end of the member in substantially concentric relationship with its axis adjacent the end of a package supported on the member, a rotund surface extending substantially concentrically between the flanges, and a guide for directing the yarn into the annular space defined by the flanges and the rotund surface, said guide being supported radially outwardly with respect to, and in an axial direction to one side of the flange, and the flange nearer the guide having a smoothly

5. The combination with a pin comprising a tubular barrel, a spindle bearing within the barrel and spaced from the bottom end thereof for engaging the top of a spindle of small diameter by comparison with the inner diameter of the barrel, and a drive end of inner diameter substantially equal to the inner diameter of the barrel and formed with means for engaging the whorl of a spindle in driving relation therewith, of a spindle with its tip engaging within the bearing and having a whorl comprising a shoulder for receiving and supporting the lower end of the pin and means above the whorl for engaging the means formed within the drive end of the pin for forming a driving connection with the whorl.

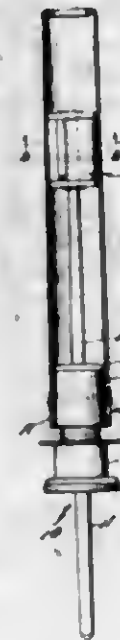
2,625,336

TEXTILE SPOOL

Albert P. Brouillard, Woonsocket, R. I.
Application July 6, 1950, Serial No. 172,205
2 Claims. (Cl. 242-46.6)

1. A holder for bobbins and the like comprising a cylindrical body having a central tapered bore

and a plurality of equidistant longitudinal grooves formed in the outer surface thereof, a closure cup received at each end of said body having a flange extending over the end portions of said grooves to form pockets at each end of said grooves in continuation thereof and longitudinally bowed springs arcuate in lateral cross section and of a length greater than the distance

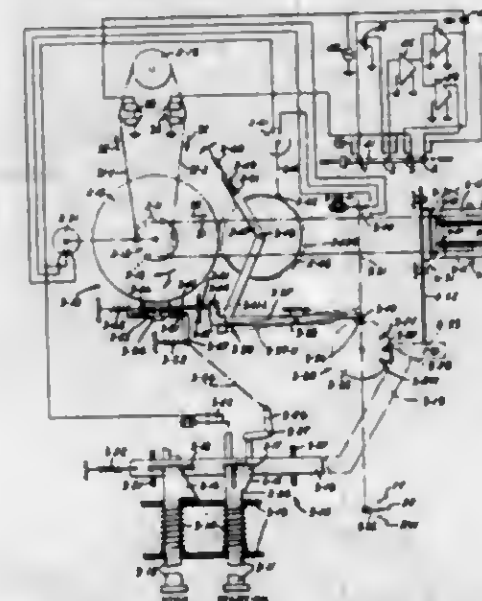


between said pockets positioned in each of said grooves and with the end portions of said springs extending into said pockets to confine and hold portions of said springs within said grooves while the bowed portion extends outwardly thereby, and said pockets permitting longitudinal movement of at least one end of the springs as flexing occurs.

2,625,337

WINDING CONTROL DEVICE

Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application November 1, 1947, Serial No. 783,587
13 Claims. (Cl. 242-54)



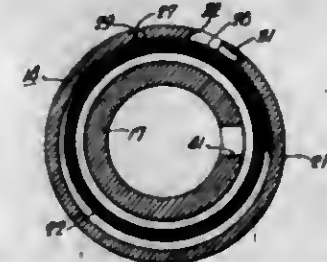
1. In a magnetic record transducing apparatus for transducing magnetic signals on an elongated permanently magnetizable record track; reversible record track guiding and impelling means including a revolvable wheel for moving successive elements of the elongated record track in one direction and for moving said record track in the reverse direction, said guiding and impelling means including two revolvable reels on each

of which one end of the record track is held, the track being wound on the reels so that as the track is moved it unwinds from one reel and winds up on the other; said revolvable wheel of the guiding and impelling means arranged to revolve when the record track is in motion; control means including selector elements selectably movable to predetermined different selector positions for selectably reversing the direction of the motion imparted to the track and for reversing the direction of rotation of said revolvable wheel; means mounting said control means in movable contact with a portion of said wheel, said control means including locking elements actuatable to be moved from a release position into and held in a locking position by the rotation in one direction of said revolvable wheel and means interlinking said selector elements for cooperation with said locking elements to cause said locking elements in their locking position to lock said selector elements to prevent a reversal of the motion of the track as long as the said rotation of said revolvable wheel holds said locking elements in locking position.

2,625,338

EXPANSIBLE ROLL SHAFT

Theodore A. McArn, Downingtown, Pa., assignor to Downingtown Manufacturing Company, Downingtown, Pa., a corporation of Pennsylvania
Application March 8, 1951, Serial No. 214,494
4 Claims. (Cl. 242-72)



1. A shaft for winding material thereon comprising a tubular inner shaft having a plurality of outlet openings therein, plugs secured in air tight relation at each end of said inner shaft, an expansible tubular outer shell mounted on said inner shaft in spaced circumferential relation thereto and having a slot extending lengthwise therein to allow the outer shell to be expanded from a normally contracted condition, a cover plate secured to the underside of said outer shell at one edge of said slot and extending transversely across said slot, an inflatable tubular liner surrounding said inner shaft and operable when inflated to expand said outer shell, a valve secured in one of said plugs for controlling passage of a gaseous medium interiorly of said inner shaft and through said outlet openings therein into said liner to inflate the same, and pins secured to said cover plate projecting into circumferential slots in said outer shell to limit expansion of the outer shell.

2,625,339

REEL FOR STRIP MATERIAL

Howard Fagg and George Starrett, Riverside, Calif., assignors to Hunter Douglas Corporation, Riverside, Calif., a corporation of Delaware
Application June 13, 1949, Serial No. 98,721
1 Claim. (Cl. 242-78)

A reel for use in supporting a coil of strip aluminum alloy during heat treatment thereof, said reel comprising a wheel of cast iron, which retains substantially full strength and hardness

at temperatures up to the melting point of aluminum, and a crowned rim of aluminum alloy mounted on the periphery of said wheel, said rim having substantially the same coefficient of expansion as the aluminum alloy of said strip, so

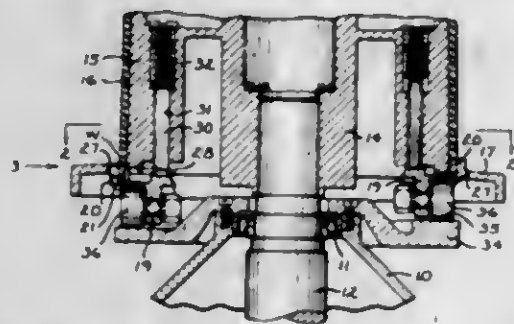


that its outside diameter remains substantially the same dimension as the inside diameter of the said coil of strip at all temperatures, and the crown of said rim serving to crown the strip wound thereon so as to prevent lateral displacement of the strip with respect to the reel.

2,625,340

WIRE COILING APPARATUS

Phineas A. Beaman, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application November 26, 1950, Serial No. 197,977
9 Claims. (Cl. 242-78)

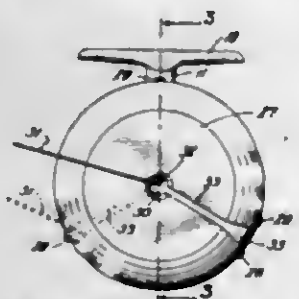


1. A wire coiling block comprising a capstan rotatable about an upright axis and having a substantially cylindrical outer surface which wire approaches along a substantially tangential draft line near the lower end of the capstan, a plurality of dogs revoluble with the capstan, the dogs being located beneath the capstan and spaced apart circumferentially about the same, each dog having a nose which extends upwardly along the said cylindrical surface and closely adjacent thereto, and means to raise and lower each dog once for each rotation of the capstan and cause the upper end of the nose to travel up and down across the drafting plane, each nose being in its lower position below the drafting plane as it approaches the on-coming tangential wire strand so that when it moves upwardly it will engage the lowermost convolution of the wire and push the same upwardly.

2,625,341

SINGLE-ACTION SPINNING REEL

Orland R. Maxson, Denver, Colo.
Application March 1, 1951, Serial No. 213,400
6 Claims. (Cl. 242-84.5)



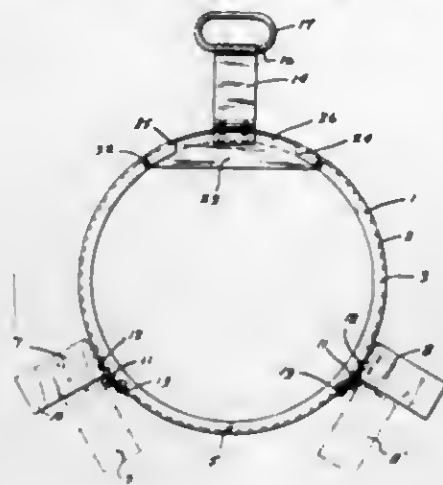
1. A fishing reel comprising: a reel-supporting bracket; a backing plate rotatably supported by

said bracket; a line guide member attached to said backing plate, said line guide member having an axially positioned line opening with a line slot extending radially outward from the line opening to the periphery of said backing plate; a spool rotatably mounted between said backing plate and said line guide member; means for rotating said spool; means for causing said backing plate to rotate with the initial rotation of said spool in either direction; and means for stopping the rotation of said backing plate when the line guide slot has swung from a position at one side of the axis of said spool to a position at the other side thereof.

2,625,342

SUPPORT FOR LINES AND THE LIKE

William O. Moran, Tulsa, Okla.
Application October 3, 1949, Serial No. 119,298
5 Claims. (Cl. 242-86)



5. A support for coiled lines, comprising a cylindrical support member, means for supporting said cylindrical support member with its axis in a horizontal position, and a plurality of spaced trough members hinged to the outer periphery of said cylindrical support member adjacent one end thereof whereby the trough members are adapted to support in their, at rest, position a coiled length of lines in a position coaxial with said cylindrical support member, all but one of said trough members being affixed to the cylindrical support member adjacent one end thereof at points located below the central axis of the cylindrical support member, said lower located trough members being hinged to the cylindrical support member to permit downward hinging movement to a coll-discharging position responsive to gravitational forces to discharge said coiled length of lines, as such, over the end of said cylindrical support adjacent which said troughs are affixed upon tilting the remaining one of said trough members toward the end of said support adjacent which said troughs are affixed.

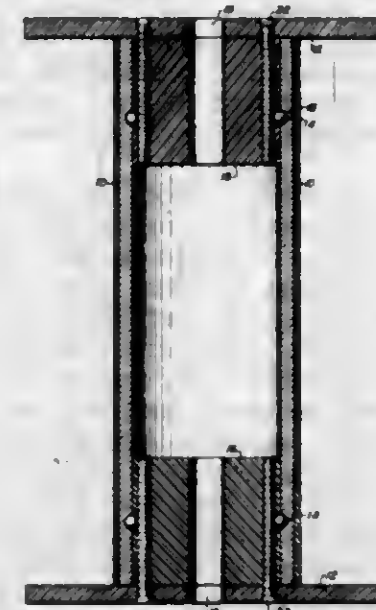
2,625,343

TEXTILE SPOOL

Richard L. Foote, Greensboro, N. C., assignor to Engineered Plastics, Incorporated, Gibsonville, N. C., a corporation of Delaware
Application December 2, 1949, Serial No. 130,751
17 Claims. (Cl. 242-124)

1. A spool for textiles and the like comprising a barrel, an end plug fitting in said barrel, an internal groove in said barrel, an external groove in said plug mating with said barrel groove, a retaining member positioned in said mating grooves, and an axially inserted locking member

positioned in abutment with said retaining member and locking said retaining member in said

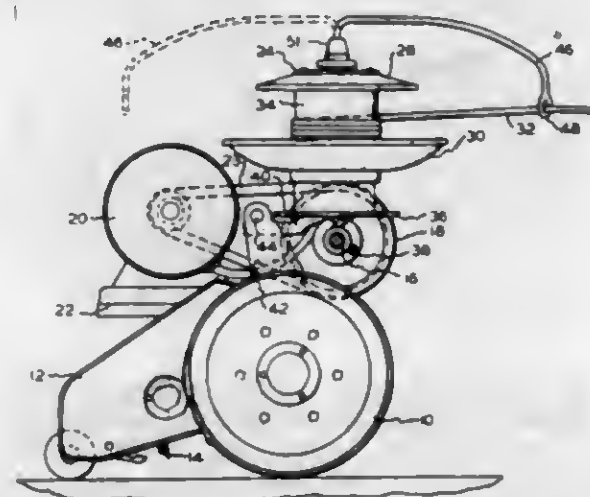


mating grooves whereby said plug is held against axial movement along said barrel.

2,625,344

ELECTRIC CORD HANDLING APPARATUS

John C. Flansburgh, Michigan Center, Mich., assignor to Yard-Man, Inc., Jackson, Mich., a corporation of Michigan
Application March 8, 1950, Serial No. 148,394
2 Claims. (Cl. 242-128)

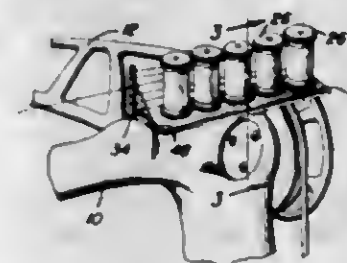


1. In combination, a driving roll, an electric cord reel having a driven flange, means supporting said reel for rotary movement about a substantially vertical axis to reel and unreel the cord and for bodily pivotal movement about a substantially horizontal axis to bring said driven flange on the reel into frictional engagement with the driving roll, a cord guiding and supporting arm carried upon said reel and supported at its inner end for swiveling movement about a substantially vertical axis in the proximity of the axis of rotation of said reel, said arm having a horizontally extending portion disposed above the reel and terminating in an outer end portion to receive and guide the cord, said outer end portion being disposed forwardly of said horizontal axis when in a cord reeling position and rearwardly of said horizontal axis when in a cord unreeling position whereby the moment of the weight and tension of the cord acts through said arm and influences the effectiveness of the friction drive between said flange and drive roll.

2,625,345

SPOOL RACK

Joseph De Palma, Amsterdam, N. Y.
Application October 7, 1949, Serial No. 120,153
1 Claim. (Cl. 242-139)

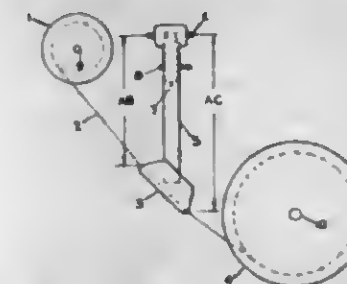


A spool holding attachment for sewing machines comprising an elongated base plate, a lineal row of horizontally spaced, vertical spool holding posts mounted on said base plate, a vertical guide mounted at one end of said base plate and having a plurality of vertically spaced apertures therein, said guide being laterally offset from the vertical plane of said posts, and resilient clip means mounted at the edge of said one end of said base for clamping thread ends passing through the guide apertures and holding them in a collection.

2,625,346

LEVEL WINDING MECHANISM

William F. Lootens, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application February 7, 1947, Serial No. 727,178
4 Claims. (Cl. 242-158)



1. In combination, a pair of reeling spools mounted in side-by-side spaced relation for rotation about parallel axes and arranged to pay a strand from one to the other of said spools, the reeling portions for paying or receiving said strand being of respectively different widths for said two spools, an elongated guide for said strand disposed between said spools and pivotally supported for oscillation about another axis, said other axis being unequally spaced from said parallel axes, removed from the plane of said parallel axes, and having a direction substantially normal to the direction of said parallel axes, said guide having a guiding track at an angle to said other axis whereby the strand leaving said track is laterally displaced from the direction of the strand as it enters said track in accord with the pivotal positions of said guide.

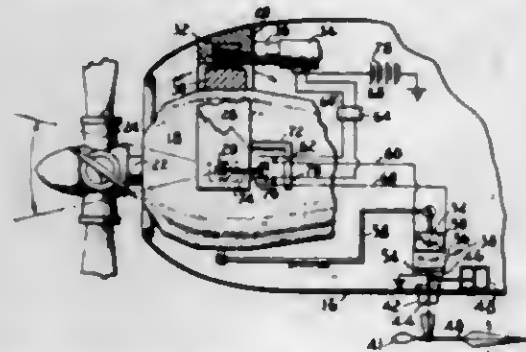
2,625,347

TILTABLE PROPELLER FOR AIRCRAFT

Robert O. Froling, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 6, 1948, Serial No. 58,744
2 Claims. (Cl. 244-56)

1. In aircraft comprising a wing and control surfaces and having a driving propeller, the propeller having a shaft whose axis is substantially aligned with the direction of flight, said aircraft

being adapted to fly under steady-state conditions, at varying angles of attack to the relative wind depending upon aircraft speed and loading, and being controllable at all times by said control surfaces; said propeller when its shaft axis is not aligned with the relative wind being subject to vibration forcing impulses due to differences in air flow over the blades of the propeller which lie above and below the axis, means to mount said propeller, with its shaft, for limited vertical tilting in a plane substantially parallel to the aircraft plane of symmetry and about a transverse tilting axis, a motor drivably engaged with the propeller energizable to tilt said pro-



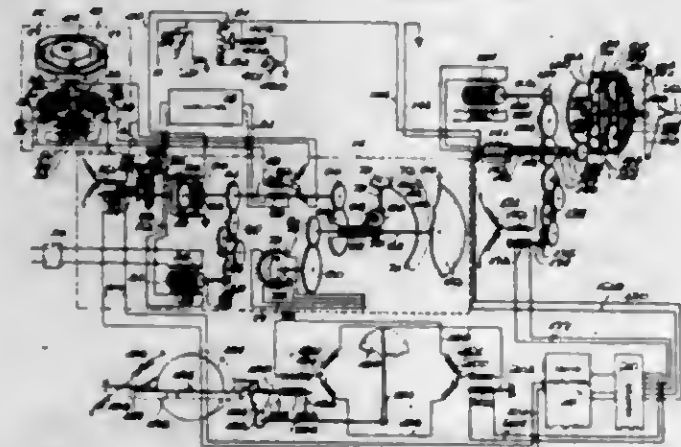
pellor about said tilt axis, a device embodying a reference axis, said device being directly coupled to the propeller for parallel movement of said reference axis with the propeller shaft axis during vertical tilt of said propeller, means in said device to sense deviations of the direction of the relative wind with respect to said reference axis, a circuit for energizing said motor, normally open switch means in said circuit, and means arranged to close said switch means responsive to deviations in the relative wind direction with respect to the reference axis, said switch means when closed energizing the motor to tilt said propeller and said device to align said reference axis with the direction of the relative wind.

2,625,348

AUTOMATIC PILOT

Paul A. Noxon, Tenafly, Alan M. MacCallum, Maywood, and Norman B. Murphy, West Englewood, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application December 31, 1943, Serial No. 516,488
19 Claims. (Cl. 244-77)



1. In an automatic control device for a craft having a control surface movable with respect thereto for controlling said craft about an axis thereof, a servo motor normally disconnected from said surface but adapted for connection thereto for the operation thereof, means for connecting said servo motor to said surface, reference means on said craft for generating an elec-

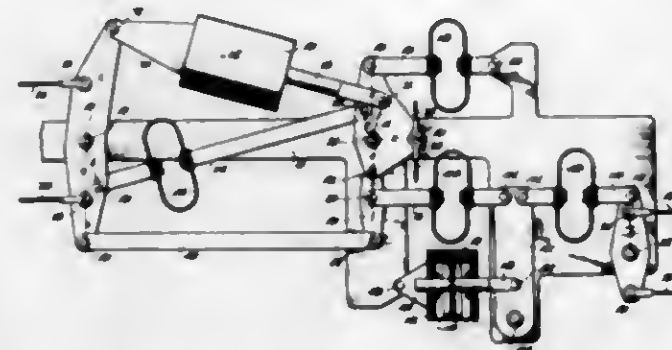
tric signal in response to a departure of said craft from a predetermined position to energize said motor, means connected to said motor for operation thereby for producing a second electric signal in response to a departure of said craft from said predetermined position, and means for algebraically combining said signals to control the operation of said motor whether the latter is connected to or disconnected from said surface.

19. In an automatic pilot for dirigible craft having a control surface normally adapted for manual operation, a servo-motor adapted for operative connection to said surface, reference means carried by said craft for producing an electric signal when said craft departs from a predetermined position in response to manual operation of said control surface for energizing said servo-motor, means for connecting said motor to and disconnecting it from said surface, and means operative when said motor is disconnected from said surface for automatically synchronizing said motor with said reference means so that subsequent to manual control of said surface to change craft position the motor, upon connection to said surface, operates said surface only when a signal is developed by said reference means as a result of deviation of said craft from said last-named position.

2,625,349

AIRPLANE CONTROL SYSTEM

Joseph G. Speer, Merriam, Kans.
Application December 2, 1946, Serial No. 713,421
4 Claims. (Cl. 244-83)



1. In an airplane operating system, a movable control member, a movable aileron actuating device, and a movable rudder actuating element; structure pivotally interconnecting said control member, said aileron device and said rudder element, and apparatus pivotally interconnecting said control member and said aileron device, said apparatus including a dash-pot for rendering movement of said aileron device and said rudder element responsive to the rate of movement of said control member; spring means forming a part of said structure and disposed to absorb rudder stiffness as the control member is moved; and means including resilient means pivotally interconnecting said control member and said aileron device, disposed to yieldably oppose movement of said control member and the aileron device by the control member through said apparatus as the control member is moved, the stiffnesses of said spring means and said resilient means being proportioned relatively to provide a ratio of rudder displacement to aileron displacement capable of increasing and decreasing as airplane speed or propeller slip stream decrease and increase respectively to the extent necessary to provide co-ordinated yawing and rolling forces for execution of a turn in an airplane having the system as a part thereof.

2,625,350

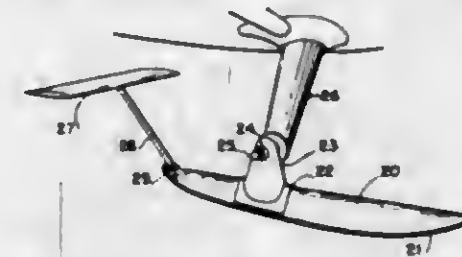
VANE CONTROLLED STABILIZING RIGGING

FOR AIRCRAFT LANDING SKIDS

Francis J. Ditter, Minneapolis, Minn.

Application October 10, 1947, Serial No. 779,173

4 Claims. (Cl. 244-108)

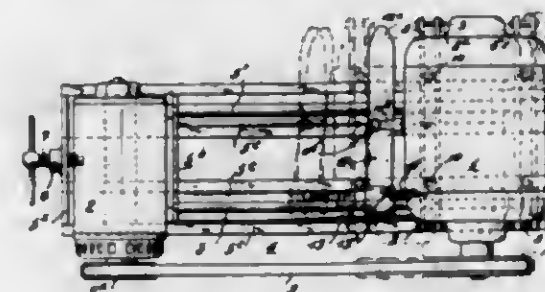


4. An aircraft ski having an elongated landing surface, means intermediate the ends of said ski for supporting the ski on the wheel shaft of an aircraft, said ski being composed of a curved base shoe and an inverted channel member secured to said base shoe, a support extending rearwardly and upwardly from the heel of said ski, an airfoil attached to said support, said airfoil having a surface which is generally parallel to the landing surface and adapted to rig the ski for its normal position in flight.

2,625,351

MOUNTING

John W. King and James J. McNamee, Cleveland, Ohio, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 13, 1948, Serial No. 44,012
3 Claims. (Cl. 248-23)

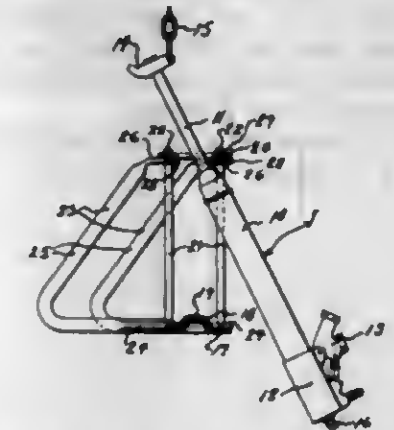


1. In a mounting, the combination with a support having a guide and a member for supporting a mechanism slidably mounted on said guide, of releasable means for locking said member in an adjusted position to said guide against movement in one direction, said means consisting of a pair of gripping elements having inner end portions disposed in overlapping relation at one side of said guide, pivotal connections between said overlapping end portions, one of said elements being swingably mounted on said member and terminating at its inner end at one side of and in alignment with said guide and the other element extending over said guide and having sliding and pivotal engagement therewith and provided with a laterally extending portion disposed on the opposite side of said guide, and a spring anchored at one end on said member and connected at its opposite end to one of said elements and arranged to operate said elements in a direction to effect engagement of the inner end of said swingably mounted element and lateral portion of the other element with said guide to prevent movement of said member in one direction, one of said elements being provided with a handle for operating said elements in the opposite direction to effect disengagement of said elements from said guide.

2,625,352

JACK TRIPOD BASE

Robert E. Sykes and John A. Neuwirth, Sheboygan, Wis., assignors, by mesne assignments, to Hydraulic Tools Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 13, 1950, Serial No. 143,972
6 Claims. (Cl. 248-47)

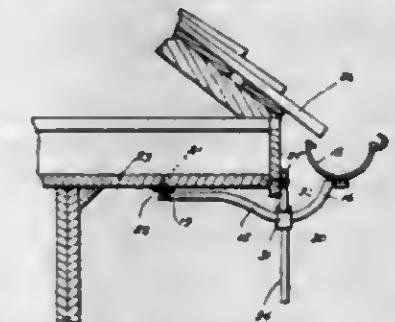


1. A portable base for supporting jacks against tilting movement comprising a bottom plate having means for engaging the lower end of a jack and a top plate arranged in spaced relation to the bottom plate having an opening for receiving an intermediate portion of the jack, a plurality of like legs mounted for swinging movement relative to one another and to the top and bottom plates to an operative extended radial position or to a collapsed substantially parallel position relative to one another, and cam members on the upper ends of said legs movable into the opening of the top plate when said legs are in their radial position for gripping and centering a jack in said top plate.

2,625,353

ADJUSTABLE EAVE GUTTER SUPPORT OR HANGER

Charles W. Henry, Hennessey, Okla.
Application September 30, 1949, Serial No. 118,823
2 Claims. (Cl. 248-48.2)

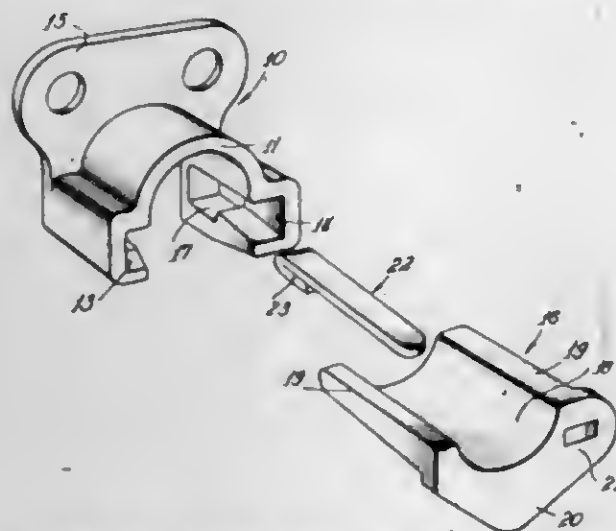


1. A device for supporting a gutter contiguous to and spaced outwardly of a projecting eave of a roof comprising a downwardly depending hanger, means extending through the upper end of said hanger for fixedly securing the latter to said eave, a strap disposed contiguous to one side of said hanger and having one end extending beneath said eave and having the other end projecting beyond said eave, means connected to said one end of said strap for pivotally mounting said strap on said eave for rocking movement in a vertical plane along said one side of said hanger, an upwardly opening gutter supporting saddle disposed in said vertical plane adjacent to said other end of said strap and secured thereto, said hanger having the side edge remote from said strap provided with serrations extending from the lower end to the upper end thereof, a vertically disposed stirrup positioned contig-

uous to said hanger and slidably and dependingly supported on said strap, and a supporting bar projecting from the upper end of said stirrup slidably supported on said hanger and selectively engageable with said serrations for detachably securing said strap at select points along said hanger.

2,625,354

PIPE SUPPORTING AND ANCHORING MEANS
Edward Payson Smith, Winnetka, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 6, 1950, Serial No. 183,307
4 Claims. (Cl. 248—58)



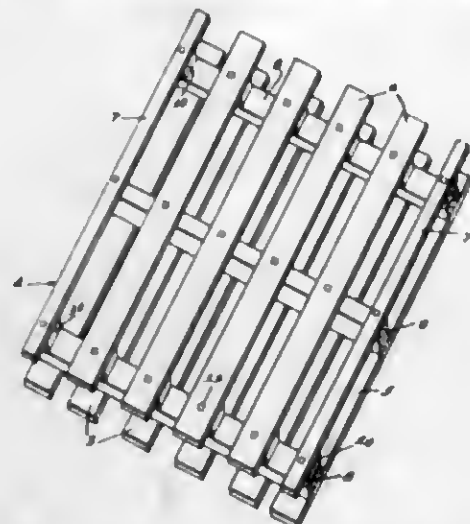
1. Pipe supporting and anchoring means comprising a main body member with an apertured attaching flange and formed to provide a substantially semi-cylindrical pipe receiving channel from end to end, with the longitudinal sides disposed laterally and downwardly to receive longitudinal grooves on their inner faces with the lower surfaces of said grooves sloping inwardly upward and one of said grooves at its rear or inner end and in the lower surface provided with a straight walled longitudinally disposed recess below the plane of the sloping surface; a pipe wedge member provided with plain surfaced longitudinal edges matching the sloping grooves in said body member and to slide therein, the outer end of the wedge member having a flange provided with a slot or opening adapted to align with the recessed groove in the body member; and an elongated bendable lock strip of length greater than the length of the recessed groove in the body member and provided with an enlargement at the inner end adapted to seat in said recess beneath the plane of the sloping surface of the groove while the outer end of the strip extends through said opening in the wedge member flange and is adapted to be bent against the outer end of the wedge member and thereby lock the latter in pipe clamping condition.

2,625,355
PALLET

Dan Boyd Adams, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 26, 1949, Serial No. 78,559
7 Claims. (Cl. 248—120)

3. A pallet comprising a horizontally disposed rectangular base, transverse beams overlying the base and secured thereto, a load supporting platform positioned directly over the base and spaced above the base and said beams, said platform comprising parallel, horizontally spaced strips

extending lengthwise of the platform, spacing blocks mounted on said beams directly beneath said strips and spaced apart in the direction lengthwise of said beams and with the spaces between the blocks directly below and in register with the spaces between said strips, means for securing said strips, spacing blocks, beams and base together, said construction providing upwardly opening spaces extending lengthwise of



the platform between said strips and extended downward between the spacing blocks to a greater depth than that of the platform strips for receiving lifting arms adapted to be inserted beneath a load on the pallet at a level below that of the platform and permitting the load to be lifted from the pallet by said arms, said pallet also providing open spaces between the platform and base which extend transversely of the pallet for receiving lifting arms between the base and platform.

2,625,356

ADJUSTABLE PUNCHING BAG STAND
Robert L. Kennedy and William H. Braddy, Melter, Ga.
Application March 10, 1949, Serial No. 80,666
1 Claim. (Cl. 248—121)

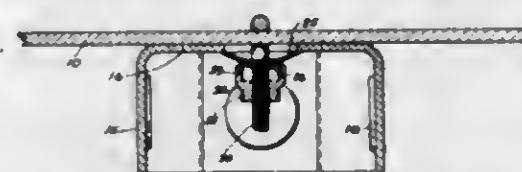


In a stand, the combination which comprises a flat base, a lower flange having an internally threaded hub extended upwardly therefrom mounted on said base, a tubular post having a threaded lower end threaded in said hub of the flange, a rod having a threaded upper end positioned in said post and slidably mounted therein, said post having a boss with a threaded opening therein spaced from the upper end, a thumb

screw threaded in said boss of the post and positioned to engage said rod for retaining the rod in adjusted position in the post, an upper flange having an internally threaded hub extended downwardly therefrom threaded on the upper end of the rod, a substantially circular platform having an extension at one side positioned above the post and base, means attaching said upper flange to the extension at one side of the platform whereby the platform is supported from one edge thereof, a socket having a cylindrical opening therein and a flange around one end attached to the under surface of the platform, a ball having a hook depending therefrom positioned in the cylindrical opening of the socket, and means retaining the ball in said socket.

2,625,357

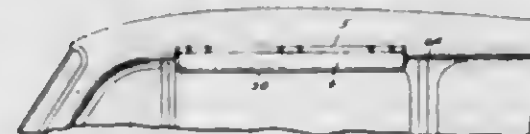
BAR HANGER ATTACHMENT
Earl B. Atkinson, Bay Village, Ohio
Application February 27, 1946, Serial No. 650,625
1 Claim. (Cl. 248—205)



An eyelet form of hanger bolt adapted to embrace a flat strip-like hanger bar for suspending ceiling type fixtures, including an outlet box having a standard knockout opening in the base through which the eyelet of the bolt may project and hold the outlet box flat against the bar, said bolt being formed of half-round material bent to present an intermediate flat straight portion engaging the upper flat surface of the bar and having portions extending downwardly over the side edges of the bar and through said knockout opening, and said bolt having its flat sides welded together adjacent the ends to present a substantially cylindrical shank and having threads formed on the shank, and a spring nut bridging the standard knockout opening in the top of the outlet box and engaging the inside of the top of the box, and said spring nut having tongues extending downwardly and engaging the threads formed on the shank of the bolt.

2,625,358

SUNSHADE FOR MOTOR VEHICLES
Walter L. Griffin, Fayette, Ohio
Application January 30, 1951, Serial No. 208,613
1 Claim. (Cl. 248—226)



A sunshade comprising a body, said body having keyhole openings formed therein, an attaching plate disposed under the body, bolts extending into said keyhole openings and secured to the attaching plate, a spacing plate mounted on the attaching plate, said bolts securing the plates together and normally holding the body against movement with respect to the attaching plate, pivoted guard plates mounted on said body movable against said bolts, said bolts holding the attaching plate against movement, one longitudinal edge of the attaching plate being curved forwardly adapted to hook into the gutter of a motor vehicle, and a clamp plate bolted to the

attaching plate, cooperating with the attaching plate in clamping the gutter, securing the sunshade to the vehicle.

2,625,359

MIRROR MOUNT

John H. Eagle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 19, 1947, Serial No. 786,943
5 Claims. (Cl. 248—316)



2. A mirror holder comprising, in combination, a mount, a shoulder formed on said mount and against which a mirror may rest to support the latter, a spring clip formed with projecting arms, a pad carried by each of said arms and adapted to engage a surface of said mirror to retain the latter in place on said mount, said clip being formed with an opening, and a ball recessed in said opening and engaging said mount to tension said clip to hold said pads in yieldable holding relation with said mirror.

2,625,360

ARTICLE RETAINING CLAMP

Clarence B. Hall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 31, 1948, Serial No. 41,817
6 Claims. (Cl. 248—361)



1. In combination with means providing a chamber including spaced walls, a resilient clamp for holding an article within said spaced walls, said clamp comprising an elongated portion lying against one of said walls and formed to provide a cage for holding an article against said one of said walls, and a second portion extending transversely of said elongated portion, said second portion resiliently engaging both of said spaced walls whereby said second portion is effective to maintain said elongated portion in engagement with said one of said walls.

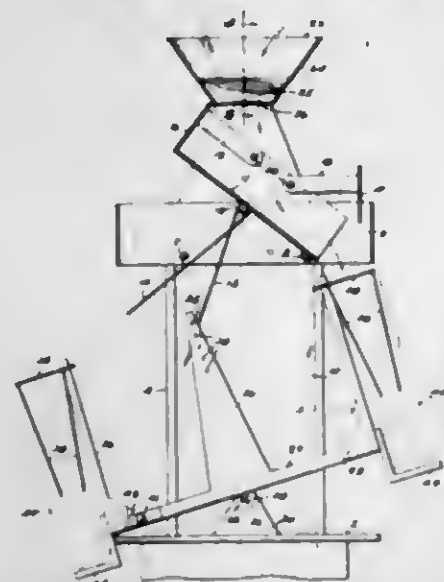
2,625,361

FILLING AND WEIGHING DEVICE

Jacob N. Schrock, Wellington, Tex.
Application September 1, 1948, Serial No. 47,257
3 Claims. (Cl. 249—56)

1. A filling and weighing device comprising a supporting base and frame rising from the base, a hopper at the upper end thereof, a rectangular guide collar fixed to said frame below said hopper, an open ended filling chute tiltably supported upon said guide collar, the ends of the chute be-

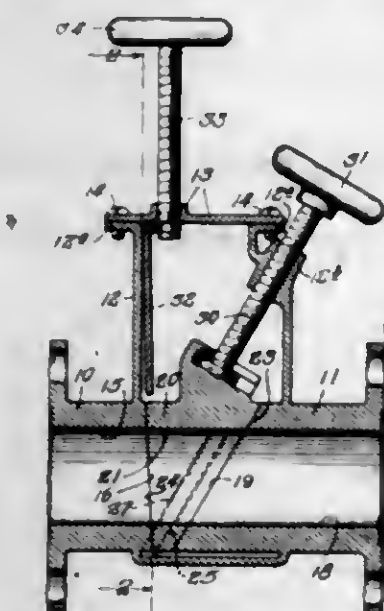
ing movable into the collar, gates pivotally mounted at the ends of the filling chute adapted to close the open ends of the chute as said chute tilts laterally, trip ears extending laterally from the gates adapted to engage the upper edge of the collar as the chute ends swing downwardly into the collar, opening said gates whereby material is



discharged therefrom, a weight bar rockably supported by said base below said guide collar, bag supporting members on the ends of the weight beam, in which bags are supported, and means for transmitting movement of the weight bar to said filling chute as said weight bar rocks under the weight of material deposited in the bags.

2,625,362 VALVE

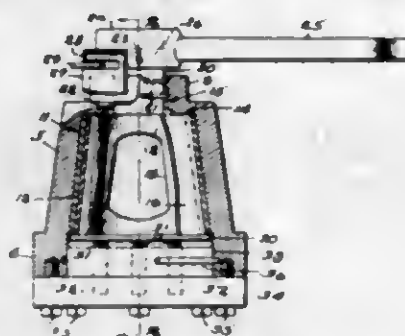
Douglas N. Evans, Gary, Ind., assignor to Inland Steel Company, a corporation of Delaware
Application September 20, 1948, Serial No. 50,018
9 Claims. (Cl. 251-58)



1. A valve of the character described, comprising: a housing having inlet and outlet portions, said inlet portion having a passageway therethrough and terminating in a first seat, and said outlet portion having a passageway therethrough and terminating in a second seat generally facing said first seat and being inclined with respect thereto; a wedge member having a passageway therethrough, said wedge member having generally oppositely disposed faces forming it into a figure congruent with the opening between said seats, and which in one position engage said seats to align said passageways all of which are the same cross-sectional size and shape

and form a continuous unbroken channel through said housing; means for moving said wedge member to a position spaced from one of said seats; a gate in said housing; and means for moving said gate into the space between said wedge member and seat, said gate blocking said channel and closing said valve when clamped in said space by said wedge member.

2,625,363 AXIALLY MOVABLE PLUG VALVE Benjamin Frank Waldron, Brookhaven, Miss. Application April 5, 1949, Serial No. 85,505 1 Claim. (Cl. 251-97)



In a valve a valve body having aligned ports opening thereinto and a frusto-conical valve chamber lying perpendicular to and communicating with the ports, said valve chamber opening at its larger end through the valve body, said valve body also having a valve stem receiving opening extending therethrough and communicating with the valve chamber at the smaller end thereof, a frusto-conical valve seat fitted in the valve chamber and having openings extending therethrough which align with the ports, a frusto-conical turning plug mounted in the valve seat for rotation about an axis which lies perpendicular to the ports, said turning plug having a passage extending transversely therethrough for alignment with the ports when the valve is open, means carried by the valve body and engaging the larger end of the turning plug for exerting pressure on said plug and holding it against the seat, a valve stem carried by the turning plug and extending through the stem receiving opening, an elongated valve wrench pivotally connected adjacent one end to the valve stem for movement about an axis which lies perpendicular to the axis of the valve, an arcuate stop plate carried by the valve body and extending outwardly therefrom in concentric spaced relation to the valve stem, said plate having an elongated peripheral slot extending therethrough, a tongue carried by the valve wrench and extending outwardly therefrom in perpendicular relation to the pivotal connection of the wrench and valve stem, and said tongue extending through the slot in the stop plate whereby upon exerting pressure on the valve wrench in the direction of the valve body the wrench will move toward the valve body and move the turning plug longitudinally of the seat against the yielding pressure exerted thereon.

2,625,364 POPPET VALVE ASSEMBLY Gordon L. Tescher, Anderson, Ind., assignor to Tescher Corporation, Anderson, Ind. Application December 18, 1950, Serial No. 201,275 2 Claims. (Cl. 251-125)

1. A valve assembly comprising a valve body to contact with a seat, said body having a central stud at the side thereof remote from its seat-engaging surface, a stop arm having one end dis-

posed in the path of said stud to limit valve opening, the other end of said stop arm having an opening to receive an attaching fastener, said other end of said stop arm also having two laterally spaced relatively small openings, a spring arm comprising a V-shaped length of spring



wire having an eye at its bight receiving said stud, the ends of said wire being extended through said relatively small openings and clinched to connect them with said stop arm, said spring arm exerting pressure on said valve body in valve closing direction.

2,625,365 SHROUDED IMPELLER Vincent Moore, Ridgewood, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware Application February 26, 1949, Serial No. 78,611 1 Claim. (Cl. 253-39)

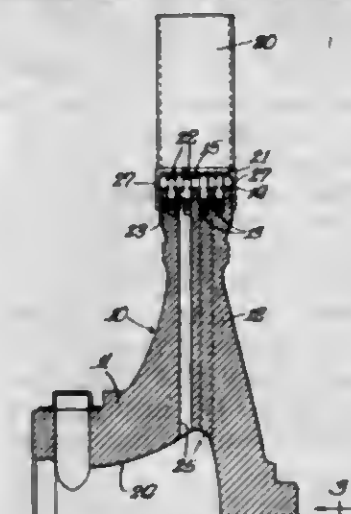


In a turbine, compressor, blower or the like having an annular fluid flow path; a rotor member; a plurality of circumferentially-spaced blades having a one-piece construction with said rotor member and extending therefrom into said fluid flow path; a plurality of shroud elements each disposed between a pair of adjacent blades, each of said shroud elements having a deck portion bridging the gap between the tip ends of its pair of blades from substantially the upstream to the downstream ends of said blades and having a pair of flanges extending inwardly only part way toward the root ends of said blades from opposite edges of said deck portion; and a brazed junction between each said flange and the adjacent blade and extending to the tip end of said blade, each shroud element deck portion being disposed outwardly beyond the tip end of each adjacent blade.

2,625,366 TURBINE ROTOR CONSTRUCTION Robert M. Williams, Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan Application November 18, 1948, Serial No. 60,662 6 Claims. (Cl. 253-39.15)

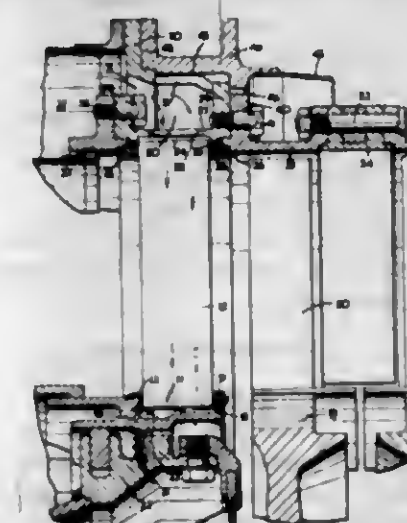
1. A rotor for a gas turbine, comprising a rotor body having a plurality of circumferentially extending grooves in its periphery and a plurality of intercepting axially extending grooves providing a plurality of sets of axially spaced tangs, a plurality of blade members individually mounted on the periphery of the rotor body, each blade member comprising a hollow blade section and a base section having a plurality of grooves and tangs interfitting with the tangs and circumferentially extending grooves on the rotor body, and a pin for each blade member extending axially through the interfitting tangs to secure the blade member to the rotor body, said rotor body having a plurality of radially extending air supply pas-

sages opening into said axially extending grooves to circulate cooling air in and around the tangs.



and said base section being apertured to discharge the cooling air through the blade section.

2,625,367 MOUNTING OF THE STATOR BLADES OF GASEOUS FLUID TURBINES Horace S. Rainbow and Donald Paul, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England Application July 10, 1950, Serial No. 172,822 In Great Britain August 27, 1949 6 Claims. (Cl. 253-39.15)



1. A stator, of a gaseous fluid axial-flow turbine, comprising an annular stator member, a row of blades, means supporting the inner ends of said blades against movement in all directions but the radial one, the outer extremities of said blades carrying platforms which, with the platforms of adjacent blades, form a continuous cylindrical ring adjacent said stator member, and an inner ring having holes slidably to receive and locate said blades, said cylindrical ring being disposed sandwich-fashion between said inner ring and said stator member so that, on axial removal of said stator member, any of said blades and its associated platform can be separately withdrawn in the radially outward direction.

2,625,368 BUILDING JACK John W. Warner, Port Huron, Mich., assignor of one-half to C. Ervin Warner, Port Huron, Mich. Application May 29, 1948, Serial No. 30,137 5 Claims. (Cl. 254-15)

1. A floor laying jack comprising, in combination, a base for supporting the jack in an upright position on the upper edge of a floor joist, a pair

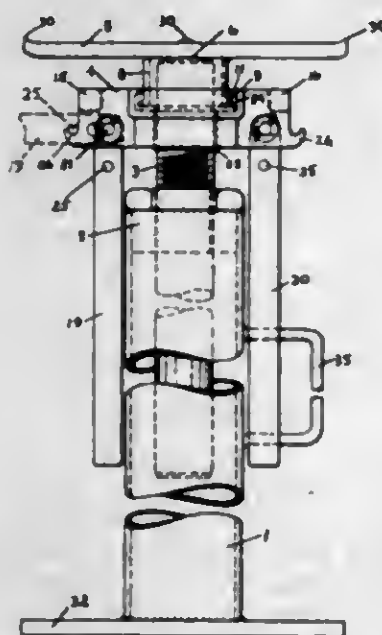
of laterally disposed clamping members depending below the base and adapted to clampingly engage the opposite sides of the floor joist upon which the jack is supported, a pair of similarly shaped side bars extending forwardly from the clamping members and having their forward end sections converging toward one another, each bar being secured to the clamping member on its respective side of the jack for joint inward and outward movement relative to the adjacent side of the joist upon which the jack is supported, wedging means reciprocatingly movable in a fore and aft direction and effective upon rearward movement to engage the converging ends of the side bars and draw the same and the clamping members toward one another, a forwardly extending thrust member having a floor board en-



gaging head and a rearwardly extending arm, a lever swingable in the vertical plane of the floor joist upon which the jack is supported, means pivotally connecting the lower end of the lever to the wedging means on a transverse axis lying substantially in the plane of the head of the thrust member, means pivotally connecting the lever to the arm of the thrust member on a transverse axis spaced above the first mentioned pivotal axis and at a level above the head of the thrust member, said pivotal axes serving as alternate fulcrums for the lever and functioning to advance the thrust member when the lever is swung in a forward direction about the lower axis and to move the wedging means rearwardly when the lever is swung in the same direction about the upper axis.

2,625,369 JACK

Paul E. Lichty, near Rittman, and Clayton B. Houseworth, Seville, Ohio, assignors to The Akron Products Company, Seville, Ohio, a corporation of Ohio
Application July 3, 1947, Serial No. 758,878
1 Claim. (Cl. 254-101)



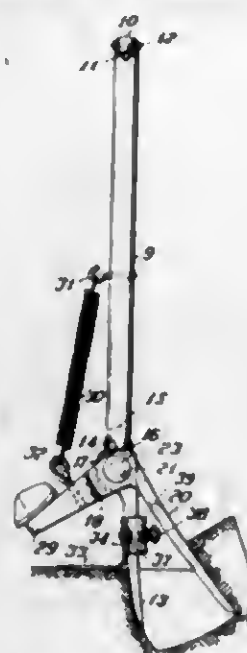
A jack in which the top plate is a steel plate with the corners turned up, a sleeve welded to

the underside of the top plate, with a flange extending laterally from its bottom edge, a screw the top end of which fits loosely within the sleeve and is rounded to make a small area of support for the top plate, a bracket with downwardly extending handles pivotally attached to the bracket so that they may be raised for use in turning the bracket, the bracket being formed with a central opening through which the screw passes, means on the bracket protruding inwardly over said flange at the opening to prevent separation of the top plate and sleeve from the bracket, the screw being fastened to and protruding downwardly from the bracket, and a jack post into which the downwardly protruding portion of the screw is threaded, the bottom of the jack being thin and notched deeply so that it may rest astride a bar.

2,625,370

SPADING FORK

Clifford H. Huggins, Wichita Falls, Tex., assignor of one-third to W. C. Gowan, Dallas, Tex.
Application July 19, 1951, Serial No. 237,525
5 Claims. (Cl. 254-131.5)

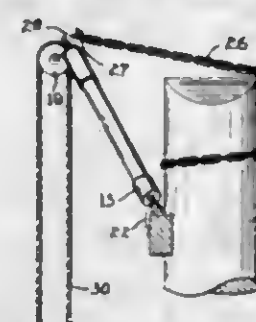


3. A spading fork including a shaft, a handle on the upper end of the shaft, a tine extending longitudinally from the lower end of the shaft fixedly secured thereto, a member comprising a substantially U-shaped yoke portion having tines rigidly secured to and extending from the ends thereof at substantially a right angle thereto, said yoke portion being disposed at the rear side of the first mentioned tine with its end portions positioned on opposite sides of and in transverse alignment with the upper end of the first mentioned tine and pivotally connected thereto for swinging movement, a pedal integral with the yoke portion extending rearwardly therefrom at substantially a right angle to the tines on the yoke portion and by which the yoke may be rocked to swing its tines upwardly relative to the first mentioned tine, stop means on said first mentioned tine for engaging the under side of tines on said yoke portion to limit the rocking movement of the yoke portion in one direction and support the tines on the yoke portion extending substantially parallel with the first mentioned tine, and a tension spring connected at one end to the shaft and at its other end to said yoke portion, said spring acting to yieldably maintain the yoke portion with the tines thereon engaging said stop means and with the tines of the yoke portion extending substantially parallel with the first mentioned tine.

2,625,371

TRANSFORMER GIN

Carroll N. Dunn, Washougal, Wash.
Application September 29, 1950, Serial No. 187,643
2 Claims. (Cl. 254-139)

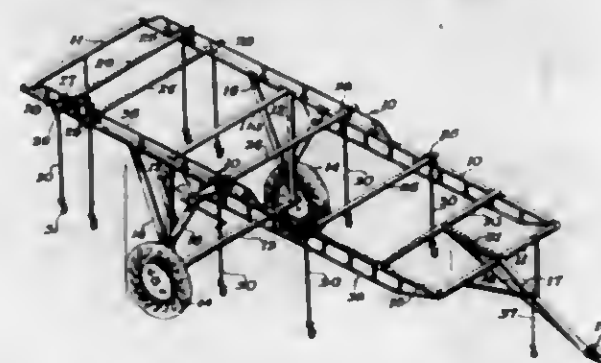


1. A holst support of the character described comprising a rigid bracket member, a pair of rigid arms pivotally connected to the respective opposite ends of said bracket member, an L-shaped shoe member pivotally connected to the free end of each rigid arm for universal rotational adjustment with respect to said arms, the shoe members being adapted to engage the top edges of the crossarm of a pole on opposite sides of the pole, a U-shaped bolt secured at its ends to said bracket member, a pulley rotatably and slidably mounted on said bolt, and a flexible fastening member adapted to be secured around the pole, one end of said fastening member being secured to said bracket member.

2,625,372

TRAILER FOR HAULING FARM IMPLEMENTS

Harold W. Yerian, Cumberland, Ohio
Application January 13, 1949, Serial No. 70,726
6 Claims. (Cl. 254-139.1)

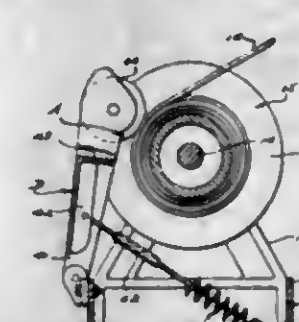


1. A trailer for transporting two heavy agricultural implements comprising a chassis having an elongated rigid framework, struts depending from said framework intermediate the ends thereof, an axle extending across the lower ends of said struts to brace the same, road wheels mounted on said axle whereby said framework is carried at a considerable height above the ground, windlass means mounted on said framework ahead of said wheels for supporting one implement, windlass means mounted behind said wheels for supporting another implement, and a tongue attached to said framework extending forwardly thereof, said framework forward of the wheels being devoid of members that extend any considerable distance toward the ground whereby the portion of said framework forward of said wheels can be positioned over an agricultural implement by a combined forward and lateral motion of said chassis, the rearward end of said framework being devoid of members that extend any considerable distance toward the ground whereby the rearward portion may be backed over another agricultural implement.

2,625,373

LINE HOLDER FOR WINCHES

Gerald R. Hunt, Long Beach, Calif.
Application October 25, 1948, Serial No. 56,401
5 Claims. (Cl. 254-190)

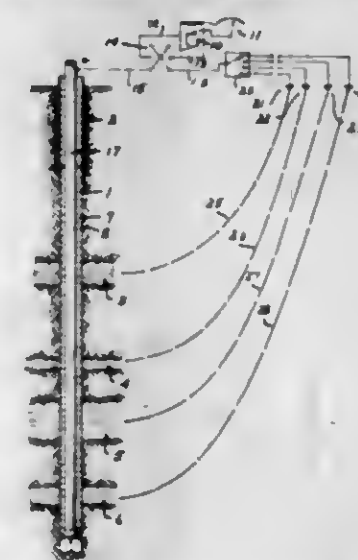


1. In combination, a drum having end flanges and a line wound thereon between the flanges, a roller engageable between the flanges, a mounting supporting the roller parallel with the drum and between the flanges thereof, and means normally yieldingly holding the roller in pressure engagement with the line on the drum, the ends of the roller being adjacent the flanges on the drum and having yielding flanges thereon.

2,625,374

METHOD OF CONTROLLING FLUID INFILTRATION

Leonard J. Neuman, Houston, Tex.
Application January 22, 1946, Serial No. 642,627
6 Claims. (Cl. 255-1.8)



1. The method of preventing infiltration, by differential diffusion, of fluids from drilling mud into the formations containing mineralized water penetrated by a well bore and determining permeability of the penetrated formations comprising, applying a positive electrical potential between the drill string and the earth surrounding the well bore, maintaining said potential during drilling, electrically logging the bore, applying a reversed potential between the mud and the surrounding formation whereby controlled infiltration is effected, and thereafter re-logging the well, whereby the rate of infiltration and hence permeability of the penetrated formations are determinable.

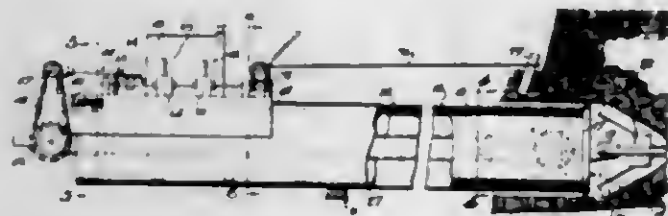
2,625,375

HORIZONTAL ROTARY DRILL

James A. Hall, Pratt, Kans., assignor by decree of distribution to Bess H. Hall, Pratt, Kans.
Application May 7, 1948, Serial No. 25,637
2 Claims. (Cl. 255-20)

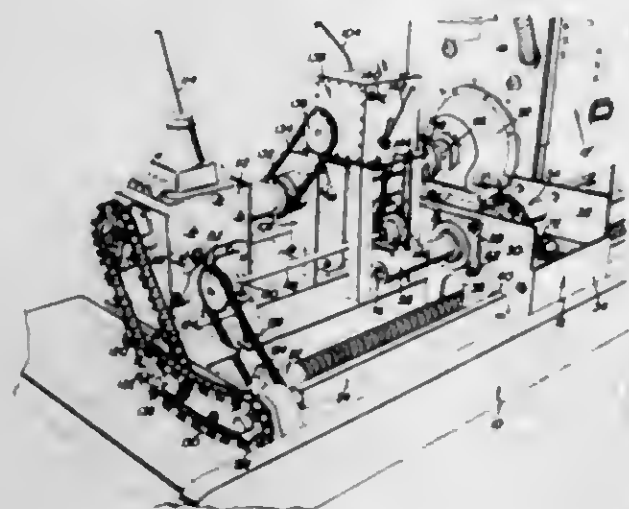
1. A horizontal boring tool comprising a conduit, a power plant base with an arcuate recess

in the under surface nested upon the upper surface of the conduit, said base having a projection positioned to engage the end of the conduit for forcing the conduit to travel with the base, a drill head positioned in the opposite end of the conduit, a longitudinally disposed drill shaft journaled in the said drill head, digging blades positioned substantially in a conical shape carried by the outer end of the drill shaft, a conveyor having flights thereon mounted in the conduit and positioned with the flights in scrap-



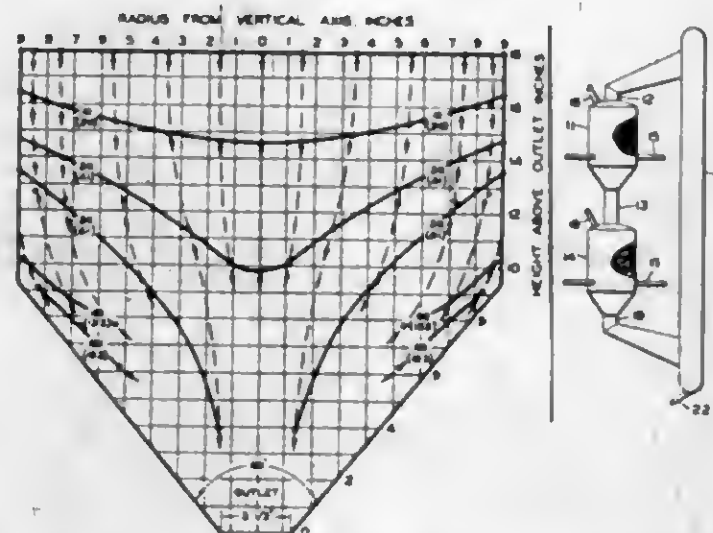
ing relation with the inner lower surface of the conduit, means driving the conveyor from the power plant mounted on a base on the conduit, means rotating the drill shaft journaled in the drill head by the conveyor, a drum having a cable thereon journaled on the base of the power plant whereby with an extended end of the cable anchored in the ground the power plant, conduit and drill head may be drawn toward the point where the cable is anchored, and means rotating the drum from the said power plant.

2,625,376
ROAD AUGER BORING MACHINE
Hene R. Smith, Kilgore, Tex.
Application June 29, 1950, Serial No. 171,009
7 Claims. (Cl. 255-20)



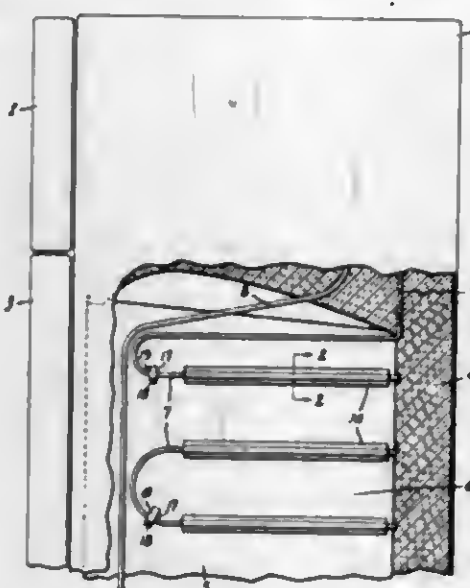
1. A drilling machine comprising a support frame having a track, a carriage mounted for movement upon said track, a feed screw and a drive shaft journaled in said frame and extending through said carriage, a drill shaft journaled in said carriage and carried thereby, driving means in said carriage operatively connecting said drill shaft and drive shaft, a nut secured to said carriage and journaled on the feed screw for moving the carriage upon rotation of the feed screw, operating means for said feed screw and for said drive shaft, said operating means including a power shaft and a fluid transmission having an infinite number of forward and reverse speed ratios connected with said power shaft and said feed screw.

2,625,377
PEBBLE CHAMBER
Louis C. Bearer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 28, 1948, Serial No. 67,677
2 Claims. (Cl. 257-55)



1. An improved pebble heat exchange chamber comprising in combination an upright closed cylindrical shell, being unobstructed throughout its length and having top and bottom closures, said bottom closure extending downwardly and inwardly as a cone from the upright walls of said shell to form a vertex angle of between 75° and 85° and having a smooth inner surface, said chamber having a height to width ratio of at least 1:1; a centrally disposed pebble inlet in said top closure; gaseous effluent outlet means in the upper portion of said chamber; a pebble outlet in the vertex of said bottom closure; and heat exchange fluid inlet means in the lower portion of said chamber.

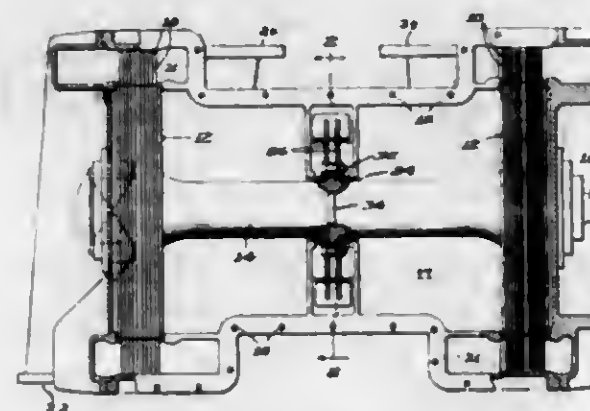
2,625,378
HEAT TRANSFER ASSEMBLY
Harold A. Nason, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 25, 1950, Serial No. 151,949
4 Claims. (Cl. 257-256)



1. In a heat transfer apparatus, a heat transfer surface, a length of conduit for conducting heat transfer fluid to affect the temperature of said surface, and means for readily removably maintaining said conduit in intimate heat exchange relationship with said surface, said means

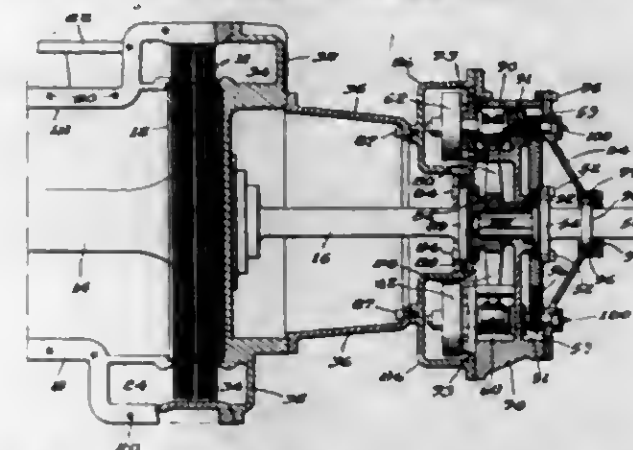
comprising only a flexible strip overlying said conduit and engaging said conduit and said surface, said strip including a layer of flexible heat-conducting material and a layer of permanently tacky adhesive material bonded to one surface of said first-mentioned layer, said adhesive layer engaging said conduit and said heat transfer surface for holding said conduit firmly and removably in engagement with said heat transfer surface, said first-mentioned layer providing a heat transfer path between said conduit and said heat transfer surface.

2,625,379
FIRST-MODE TORSIONAL VIBRATION DAMPER
Gordon C. Seavey, Arlington, Mass., assignor to Sonic Research Corporation, Boston, Mass., a corporation of Massachusetts
Application November 3, 1950, Serial No. 193,917
3 Claims. (Cl. 259-4)



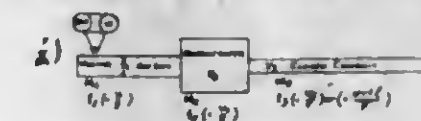
2. In apparatus for treating fluent materials with alternating shear forces at a predetermined operating frequency, the combination which comprises a pair of members each of predetermined mass, a torsion bar connecting said members to each other, the masses of said members being so chosen having regard to the elasticity of said torsion bar that said members and bar together will constitute a resonant system having a predetermined natural frequency of torsional oscillation corresponding to said operating frequency with said members oscillating with predetermined amplitudes at the same frequency but in opposite phase and with a nodal point in said bar, but said system being subject during starting and stopping to oscillation in a first-mode of vibration at a frequency lower than said operating frequency in which said members and bar oscillate substantially in phase with each other, a housing enclosing at least one of said members, an inlet and outlet in said housing permitting the flow therethrough of said material to be treated, material-contacting elements extending from the enclosed member for oscillation therewith, a resilient exciter connection in driving relation to one of the members of said system and having substantially less elastic strength than said torsion bar, a driving device for oscillating said exciter connection at said operating frequency, and a device for limiting said first-mode torsional vibration of said system, said device comprising a member rigidly connected to said torsion bar at said nodal point and having a portion extending outwardly from its axis and resilient damping means arranged to engage and limit the movement of said outwardly extending portion to limit the amplitude of oscillatory motion of the members of said system in both directions during such first-mode vibration.

2,625,380
THRUST ABSORBING DEVICE FOR ROTATIONALLY OSCILLATING SYSTEMS
Gordon C. Seavey, Arlington, Mass., assignor to Sonic Research Corporation, Boston, Mass., a corporation of Massachusetts
Application May 25, 1951, Serial No. 228,340
1 Claim. (Cl. 259-4)



In apparatus for treating material with intense alternating shear forces, the combination comprising a stationary housing, a two-mass torsionally oscillating system mounted within said housing, said system comprising a pair of drums connected to each other by a torsion shaft, at least one of said drums having a treating surface adapted to contact said material, the elasticity of said shaft being correlated with the masses of said drums so that said system has a predetermined natural frequency of oscillation with said drums oscillating in opposite phase, said system including a resilient drive shaft connected in driving relation to one of said drums, mechanism for oscillating said drive shaft to bring said system into resonant oscillation at said frequency, a torsionally flexible but axially rigid shaft lying within an extension of the axis of said first named shaft and having one end connected to a portion of said housing and the other end connected to a member of said system for preventing axial motion of the members of said system and means for supplying material to be treated to said treating surface.

2,625,381
PROCESS OF CONTINUOUSLY PREPARING A GYPSUM SLURRY
Robert F. Zimmerman and John H. Hoge, Cincinnati, Ohio, assignors to Hoge, Warren, Zimmerman Co., Cincinnati, Ohio, a partnership
Application October 18, 1950, Serial No. 190,824
7 Claims. (Cl. 259-148)

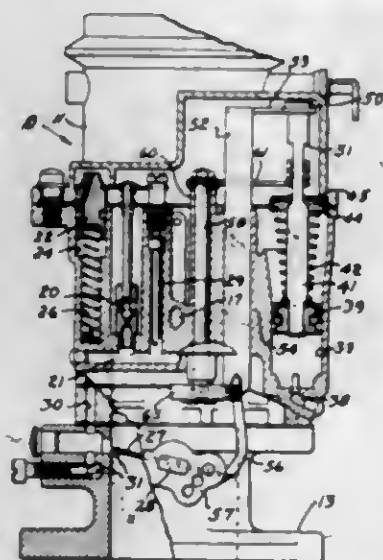


1. A process for continuously preparing a settable slurry for use, which includes the steps of metering a comminuted dry, cementitious material which is settable within a determinable time after hydration, metering water, bringing said metered dry material and water into intimate contact and continuously and violently agitating them to form a slurry having a creamy, uniform texture, and to entrain air therein, passing said slurry promptly into a closed system, and subjecting said slurry, continuously throughout said closed system, to a mixing action, for a period of time which closely approaches but does not exceed the critical conversion point of the slurry and discharging said slurry from said closed system for immediate use.

2,625,382

THERMOSTATIC ACCELERATING PUMP CONTROL

Leonard D. Boyce, Kirkwood, Mo., assignor to Carter Carburetor Company, St. Louis, Mo., a corporation of Delaware
Application January 10, 1950, Serial No. 137,814
10 Claims. (Cl. 261-34)

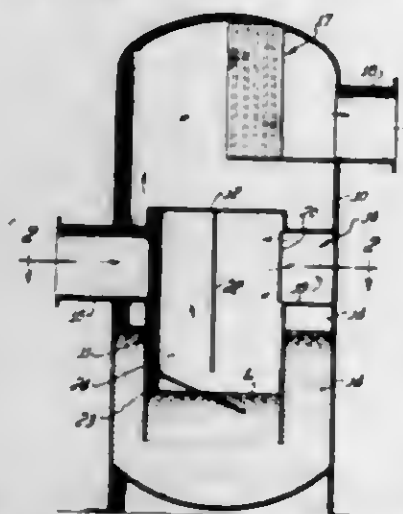


1. In a pump comprising a cylinder and a piston slidably mounted therein, a shouldered stem attached to said piston for imparting axial movement thereto, stepped stop means arranged for variable positioning in the line of movement of said shouldered stem, and thermal responsive means comprising a thermostat operatively connected to said stop means for successively positioning the stepped portions in the line of movement of said shouldered stem.

2,625,383

GAS SCRUBBER

Raymond C. Baird, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application May 21, 1951, Serial No. 227,411
9 Claims. (Cl. 261-119)



1. A gas scrubber comprising a shell having an inlet and an outlet, a weir in said shell between the inlet and outlet and depending within a body of liquid in the chamber so that gas flowing from said inlet to the outlet tends to depress the liquid level and passes beneath said weir, a baffle positioned in the liquid below said weir and having a lower edge spaced from the shell wall, said baffle being inclined in the direction of the gas flowing beneath the weir and intersecting the depressed liquid surface so that as the liquid level continues to be depressed, progressively less surface area of the liquid is exposed to the gas

stream flowing beneath the weir, and means forming a chamber receiving liquid displaced from said shell as the liquid level therein is depressed.

2,625,384

MINING OPERATION

Robert D. Pike and Max Y. Seaton, Greenwich, Conn., assignors to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware
Application July 1, 1949, Serial No. 102,599
6 Claims. (Cl. 262-3)

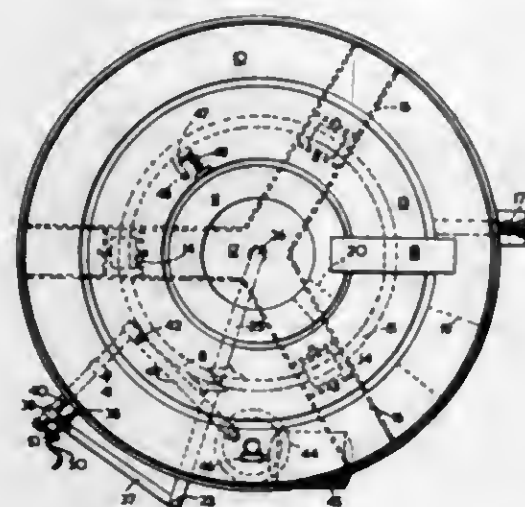


1. A process for recovering sodium carbonate from trona beds, which comprises dry mining the trona, introducing water at substantially the temperature of the trona deposit into the dry mined sections of the bed to remove residual trona after the dry mining, bringing the solution of trona to the surface, heating said solution and dissolving in it dry mined trona, and processing to produce sodium carbonate.

2,625,385

DRIVE FOR FORGING FURNACES

Arthur Clifford Howard, East Horndon, England, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England
Application March 5, 1951, Serial No. 213,842
In Great Britain March 10, 1950
4 Claims. (Cl. 263-7)

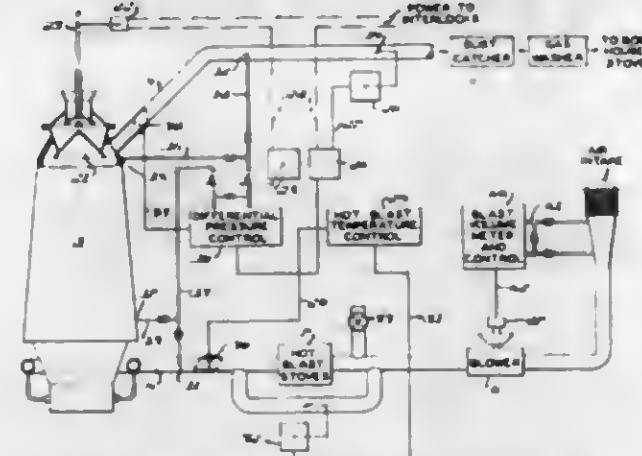


1. A furnace comprising an annular rotary hearth forming the floor of an annular heating chamber, a downwardly-directed concentric annular flange on the underside of said hearth, a stationary support, rollers journaled on said support with their axes of rotation directed radially of the axis of rotation of said hearth, said flange engaging said rollers for the rotative support of said hearth, friction members at opposite sides of said flange and rockably supported from a radial lever pivoted concentrically with said hearth, means for oscillating said lever about its pivot, means for rocking said friction members to grip said flange during a forward half oscillation of said lever for advancing said hearth, means for reversely rocking said friction members clear of said flange during a return half oscillation of said lever, and a brake acting to hold said flange during said return half oscillation.

2,625,386

METHOD AND APPARATUS FOR CONTROLLING BLAST FURNACES

Otto J. Leone, West Newton, Pa., assignor of one-half to David P. Leone, Donora, Pa.
Application May 20, 1947, Serial No. 749,238
14 Claims. (Cl. 263-29)

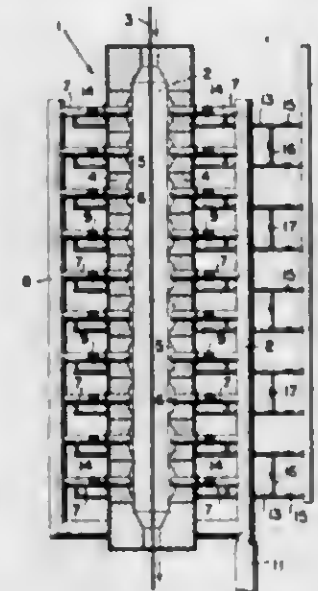


1. In a method of operating a blast furnace or the like having a shaft repeatedly charged with a heterogeneous stock of material, the steps comprising, blowing a heated atmosphere upward through said stock, removing reaction gases from the top of said furnace, measuring the static pressure of said heated atmosphere adjacent the bottom of said stock, measuring the static pressure of said reaction gases adjacent the top of said stock, controlling the difference between said static pressures to a value below that predetermined value at which said furnace has a tendency to generate slipping conditions therein, and effecting said controlling by selective variation of at least one of the temperature, pressure and rate of flow relationships of said heated atmosphere and said reaction gases.

2,625,387

METHOD OF HEATING

Frederic O. Hess, Philadelphia, Pa., assignor to Selsas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application March 17, 1949, Serial No. 81,886
6 Claims. (Cl. 263-52)

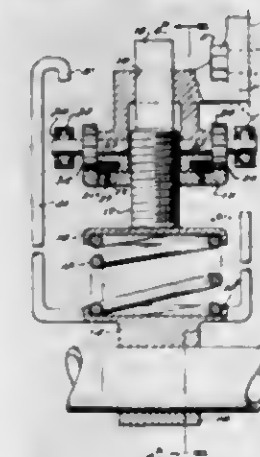


1. The method of heating continuously which comprises moving the work to be heated continuously in a given heating path through a furnace chamber, supplying heat to the work at the normal capacity of the furnace or higher from a plurality of burners located in the furnace adjacent to the work along its path of travel, which includes supplying from a first supply a combustible

fuel mixture of gas and air at the same rate to each of the burners, the work cooling the burners varying amounts at varying points along its path of travel, and supplying additional oxygen from a second supply to various of the burners in varying amounts sufficient to overcome the heat loss at each burner whereby the burners will all be at substantially the same temperature.

2,625,388

ADJUSTABLE SUSPENSION FOR VEHICLES
Alexander G. Herreshoff, Grosse Pointe, and John P. Butterfield, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 18, 1947, Serial No. 780,622
8 Claims. (Cl. 267-60)



1. An adjustable resilient suspension comprising a lower supporting part, an upper supported part, a coil spring between said parts, a seat receiving one end of the coil spring and having projections thereon, a contractable adjustable extension device connected to the opposite end of the coil spring and cooperating with the spring seat so as to include the coil spring therebetween in a manner such that the latter acts between the parts so as initially to cause the parts to have a comparatively small relative spacing due to a heavy load on the supported part and a comparatively large relative spacing due to a light load on the supported part, a mechanical drive train drivably connected to said device for adjusting the degree of extension thereof having limit means operatively associated with one said projection for appropriate response to reciprocal movement of the parts with respect to one another at the small spacing for extending the device to increase the spacing between the parts, and further limit means operatively associated with another said projection for appropriate response to reciprocal movement of the parts with respect to one another at approximately the large spacing for effecting a contraction of the device to decrease the spacing between the parts.

2,625,389

RESILIENT SUPPORT

Dulio Signorini, Milan, Italy, assignor to S. A. G. A. Società Applicazioni Gomma Antivibranti, Milan, Italy, a corporation of Italy
Application February 19, 1948, Serial No. 9,607
In Italy July 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 17, 1968
4 Claims. (Cl. 267-63)

1. A resilient support or spring comprising a series of annular rubber strips and annular, rigid spacer strips arranged alternately in a vertical pile; each rigid spacer strip having a central annular rib on its top face and a central annular groove on its bottom face; each of said rubber strips having a preformed central, annular rub-

ber tongue on its top face and a preformed central annular groove in its bottom face, said second mentioned groove being materially deeper than the heights of the adjacent rigid ribs, whereby an air pocket is defined between each second

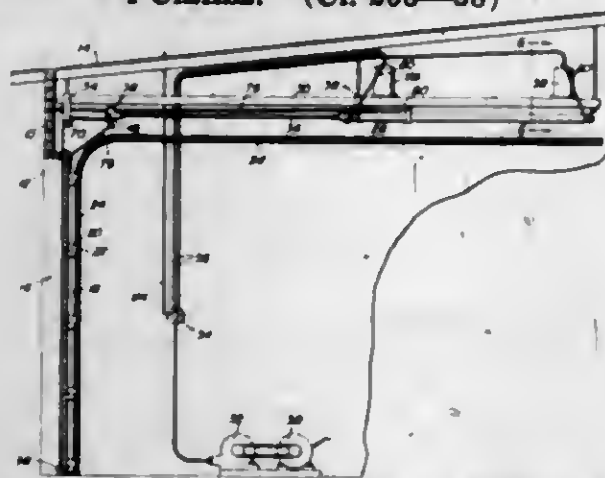


mentioned groove and adjacent rigid rib; and all of said rubber and rigid strips being held in vertical alignment with each other by the registering of said rubber tongues in adjacent first mentioned grooves, and said rigid ribs in adjacent second mentioned grooves.

2,625,390

ELEVATING MECHANISM FOR OVERHEAD DOORS

John D. McFadden, Chattanooga, Tenn.
Application August 16, 1946, Serial No. 44,485
4 Claims. (Cl. 268—58)



1. A door operating device for moving a door frame from a vertical to a horizontal position comprising an articulated door, a pair of tracks, said tracks being disposed at each side of said door, means at the articulations of the door engaging said tracks, a portion of said track extending vertically, another portion of said track extending horizontally, a curved portion connecting said vertical and horizontal portions, a trolley track substantially parallel to said horizontal section, a trolley mounted on said trolley track, a pair of pulleys mounted on said trolley, a flexible cable secured to the bottom of the door, a pulley supporting said cable in line with the vertical position of said door and in the path of travel of the trolley, said cable extending around one of said pulleys mounted on said trolley and being anchored in proximity to and above the vertical portion of the track, an angulated attachment secured to the top of said door, a second cable, one end of said second cable being joined to said angulated attachment, said second cable extending over another pulley on said trolley and extending in parallel relation to said trolley track, said second cable being anchored at a point adjacent the path of travel of the trolley and beyond the limit of travel of said trolley, a resilient means connected between said second cable and the anchor point, a fluid motor for propelling said trolley along said trolley track.

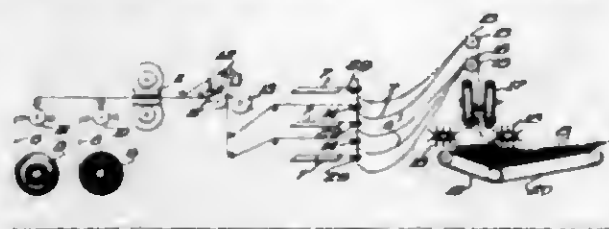
2,625,391

METHOD OF ASSEMBLING CONTINUOUS-FORM STATIONERY

Louis Jensen, Chicago, Ill., assignor to Uarco Incorporated, a corporation of Illinois
Application March 31, 1950, Serial No. 153,221
5 Claims. (Cl. 270—39)

1. The method of assembling continuous-form stationery with one-time carbon: advancing

strips of carbon from a source of supply into superposed relation; punching regularly spaced feed-holes in a margin of said superposed carbon strips; forming at each form length cross lines of weakening in the superposed carbon strips, at regularly spaced intervals with relation to said feed-hole; separating said advancing carbon strips into paths coincident with the paths of stationery strips; advancing into interleaved rela-

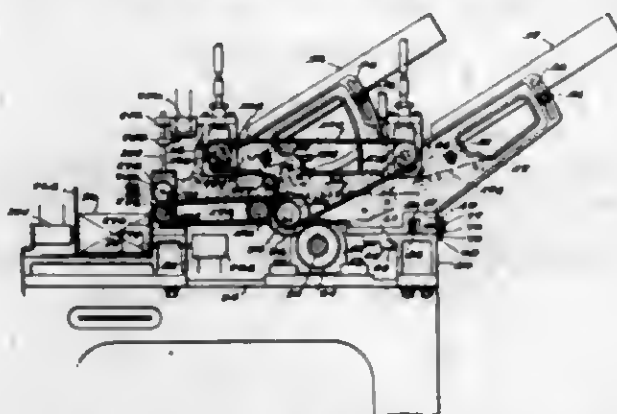


tion with the carbon strips, stationery strips having marginal perforations and cross lines of weakening in each form length corresponding to the perforations and cross lines of weakening in the carbon strips, the advance of said stationery strips being in timed relation to the advance of said carbon strips; bringing said stationery strips and carbon strips into aligned juxtaposition by means of the feed-holes; and zig-zag folding said assembled strips.

2,625,392

MACHINE FOR INSETTING CARDS OR THE LIKE UNDER ENVELOPE FLAPS

Nathan H. Morrison, Lowell, Mass., assignor, by mesne assignments, to R. R. Heywood Co., Inc., New York, N. Y., a corporation of New York
Application July 17, 1947, Serial No. 761,450
13 Claims. (Cl. 270—57)

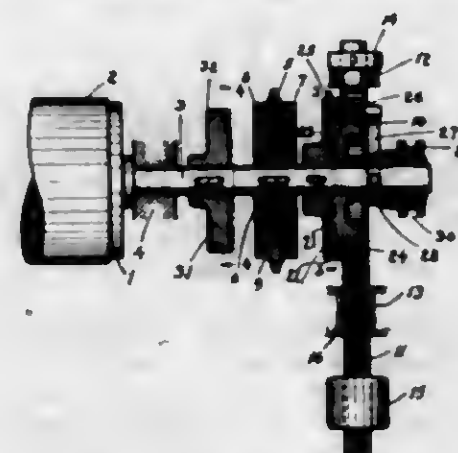


1. In a machine of the character described, in combination, movable conveyor belt means, a magazine mounted over said conveyor belt means for supporting a stack of envelopes with their closing flaps disposed at the lower forward ends thereof and transversely of said conveyor belt means, a second magazine mounted over said conveyor belt means and spaced in the direction of movement of said conveyor belt means from said first magazine for supporting a stack of cards, means for withdrawing an envelope from said first magazine and ejecting it forwardly to said conveyor belt means with its flap uppermost and at the forward moving end of the envelope, conveyor belt movable stop means for bringing the envelope to rest in operative position to receive a card from said second magazine, means for lifting the closing flap of the envelope, means for withdrawing a card from said second magazine and ejecting it forwardly under the uplifted flap, means for operating said stop means in timed relation to the withdrawal of a card from said second magazine to release the assembled card and envelope, and means for discharging the same from the machine.

2,625,393

WEB FEEDING MECHANISM FOR SCREEN PRINTING MACHINES

Hugo Fritz Worm, Uddevalla, Sweden, assignor to Aktiebolaget Teximpex, Uddevalla, Sweden, a corporation of Sweden
Application November 3, 1949, Serial No. 125,232
In Sweden October 3, 1947
7 Claims. (Cl. 271—2.4)

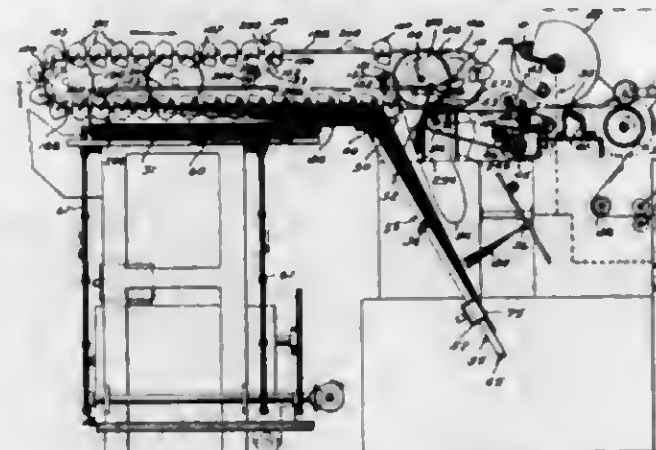


3. A feeding mechanism for screen printing machines comprising a feeding roller for the material to be printed, a positively driven wheel, a driving connection comprising an overload coupling between said positively driven wheel and said roller, a braking means for the roller located between said overload coupling and said roller, a rotatable wheel, a driving connection comprising a disengageable clutch between said roller and said rotatable wheel, a fixed stop member and a movable stop member driven by said rotatable wheel and cooperating with said fixed stop member in order to limit the rotation of said rotatable wheel in at least the direction corresponding to the feeding movement of the feeding roller.

2,625,394

SHEET STACKING MACHINE

Lawrence S. Brown, Massapequa, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application April 19, 1949, Serial No. 88,441
4 Claims. (Cl. 271—79)



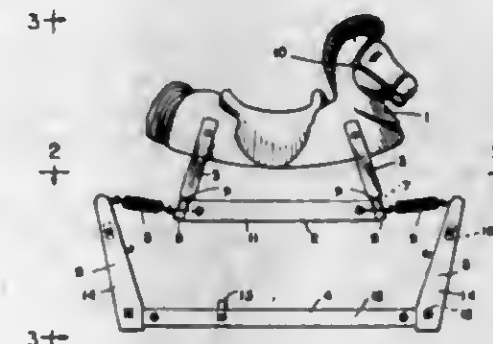
1. A machine for stacking sheets of flexible material fed thereto in a rapidly advancing procession, comprising a plurality of gripping members, means advancing said gripping members in an endless path in succession from a sheet receiving station through a sheet releasing station back to the sheet receiving station, said advancing means comprising a pair of conveyors operating in line in the same direction, means driving each of said conveyors at a variable rate which varies cyclically between a maximum and a minimum rate of speed, the maximum rate of the first conveyor being somewhat less than the

rate of advance of said procession, the minimum rate of said first conveyor being equal to the maximum rate of said second conveyor, the minimum rate of said second conveyor being substantially zero speed, means on said first conveyor to advance said gripping members from said gripping station to an intermediate point between said gripping station and said releasing station, means between the gripping station and the intermediate point for successively deflecting the trailing portions of the gripped sheets from the path of the succeeding sheets, means at said intermediate point to transfer said gripping members from said first conveyor to said second conveyor, means located at the point of minimum speed of said second conveyor to cause said gripping members to release said sheets and means in the said return path of said gripping members to re-transfer the same to said first conveyor.

2,625,395

HOBBYHORSE

Robert M. Spangler, Chicago, Ill.
Application November 27, 1950, Serial No. 197,678
1 Claim. (Cl. 272—52)



A hobby horse, comprising a simulated animal body providing a rider's seat and having front and rear pairs of legs depending from said body, a horizontally disposed cradle frame having front and rear crossbars and a longitudinal bar rigidly connecting said crossbars forming an H-shaped structure, said pairs of legs being rigidly secured to respective ones of said crossbars and the ends of said crossbars extending laterally substantially beyond the points of attachment of said legs, a rectangular horizontally disposed main base frame having a pair of laterally spaced longitudinally extending side frame members, upright front and rear pairs of post members rigidly mounted on said base frame and extending upwardly beyond the front and rear ends of said cradle frame respectively, and substantially horizontally extending helical tension springs connecting the ends of said cradle frame crossbars to respective upper end portions of said post members for supporting said cradle frame and normally urging it to a horizontal position above said base frame, the springs on each side of said cradle frame lying in a single vertical plane substantially parallel with the respective side member of said base frame and including the respective front and rear post members.

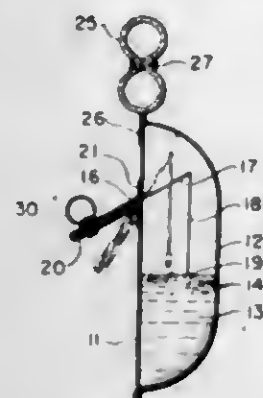
2,625,396

POCKET FISHING GAME DEVICE

Jean Frechtmann, Paris, France
Application March 25, 1949, Serial No. 83,479
2 Claims. (Cl. 273—1)

1. A game device of the character described, comprising a wholly closed water tight housing partly filled with water, a plurality of floating elements each having a fragment of ferrous metal

secured thereto disposed within the said water, said housing having an aperture formed therein above the level of said water, a rod partly inserted into the said housing through said aperture,



said rod having a magnet suspended from its inner end, a flexible sleeve fitted over the said rod exteriorly of said housing, said sleeve closed at one end and its other end hermetically secured to said housing around said aperture.

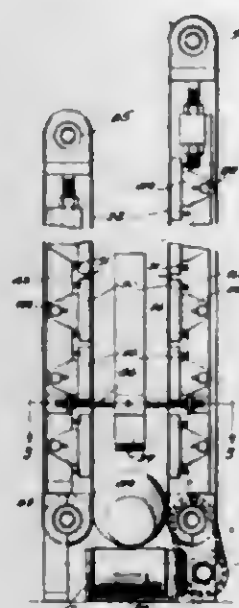
2,625,397

APPARATUS FOR DISCHARGING PINS FROM THE PITS OF BOWLING ALLEYS

Sanders A. Frye, Westerville, Ohio, assignor to American Machine & Foundry Company, a corporation of New Jersey

Original application November 13, 1945, Serial No. 628,040. Divided and this application October 4, 1950, Serial No. 188,343

12 Claims. (Cl. 273-43)

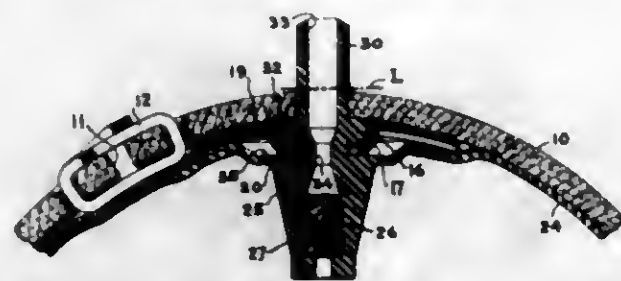


1. Automatic pin-handling apparatus for bowling alleys, comprising movable conveyor means for conducting pins in the pit of a bowling alley, a vertical frame structure arranged over said conveyor means, a pair of spaced endless elevator belts carried by said frame structure, the spacing of said belts being such as to enable the same to receive between them and grip bowling pins positioned on and traveling with said conveyor means, whereby to elevate the pins to the top of said frame structure, said belts serving to move the pins upwardly while the latter are maintained in vertical positions therebetween, a pin guide arranged at the upper end of said frame structure, and means mounting said pin guide adjacent said belts for guiding elevated pins delivered by said belts from between said belts.

2,625,398 INFLATABLE ARTICLE HAVING RETAINING COLLAR

Ell A. Robinson and Albert F. Heck, Amsterdam, N. Y., assignors to The Collette Manufacturing Company, Amsterdam, N. Y., a corporation of New York

Application December 9, 1948, Serial No. 64,264
14 Claims. (Cl. 273-65)



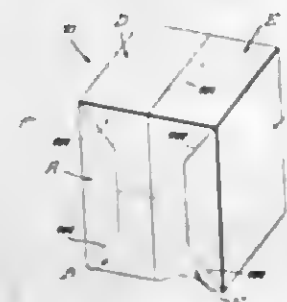
1. An inflatable article to be inflated comprising in combination a casing having an opening therethrough, a stiff collar secured to the casing and having a circular hole therethrough in alignment with the casing opening, a bladder, a valve secured to the bladder having a hole therein to pass the inflating air, an air seal within the hole, a flexible stem carried by the valve, a groove carried by the stem in the exterior surface thereof and spaced axially from the air seal of the valve, the end of said flexible stem being insertable through the hole in the collar and the stem then being contractile upon pulling the same to pass the stem through the hole to the groove, and the groove and stem fitting loosely in the hole in the collar for unrestrained circular adjustment therewithin.

2,625,399

THREE-DIMENSIONAL TAKE-APART PUZZLE

Irving Hartley Steinhart, New York, N. Y.

Application April 13, 1949, Serial No. 87,166
5 Claims. (Cl. 273-160)



1. A three-dimensional take-apart puzzle, comprising six complementary pieces having outer portions, respectively, collectively defining the surface of a body of predetermined shape in the assembled relation of said pieces, one of said pieces being an end piece and inwardly projecting key elements, respectively, of which all except that of said end piece are interlocked with each other against relative movement in any direction in the assembled relation of said pieces, the key elements of two opposite pieces being of inverted U-shape with their bight portions positioned remote from their outer portions, respectively, of which the U element of one of said opposite pieces is shorter than that of the other opposite piece, a second piece of said six complementary pieces having an element insertable through the U element of said one piece and shaped to interlock therewith against relative movement between them in a first direction widthwise of the latter U element, and the U element of said other piece being passable over

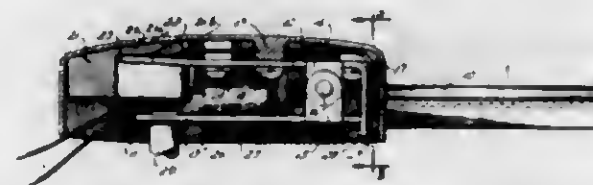
said element of said second piece into inverted superposed relation with the U element of said one piece in which said element of said second piece and U elements are interlocked against relative movement in a second direction thicknesswise of said superposed U elements but free for relative movement in a third direction longitudinally of the latter, a third piece of said six complementary pieces having a key element insertable in both of said U elements in juxtaposition to said second piece element, and shaped so as to be shiftable in said third direction into interlock with said second piece element and with the U element of said other piece in which the latter element is held against movement in said first direction and said third piece element is held against movement in said first and second directions, the key element of a fourth piece being insertable in the U element of said other piece to be held thereby against relative movement between them in said first direction, and being shaped to interlock with the U element of said one piece against relative movement between them in said second and third directions on relative movement of said opposite pieces toward each other in said third direction, and the key element of said end piece being insertable in said U elements to lock said second piece and third piece elements and U elements against relative movement in said third direction, each of said U elements comprising opposite side bars and a connecting bight portion and said element of said second piece comprising a recessed portion having a bottom and a T-shaped portion projecting from said bottom of which said recessed portion receives the opposite side bars of the U element of said one piece and said T portion overlaps one side bar of the U elements of said other piece in its superposed relation with the U element of said one piece.

2,625,400

PHONOGRAPH TONE ARM

Hermann E. F. C. Lingenbrink, Hilltown, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application August 19, 1948, Serial No. 45,062
7 Claims. (Cl. 274-23)



1. In a phonograph tone-arm mounting arrangement, a pair of brackets disposed in substantially parallel relationship and interconnected for relative pivotal movement, one bracket having a projection provided with spaced abutments, the space between said abutments lying in a plane generally aligned with the plane of the other bracket, a finger projecting from said other bracket in a plane generally coextensive therewith to extend into the space between the abutments for engagement with the latter so as to restrict the relative pivotal movement of said brackets to the extent afforded by the spacing of said abutments, a rigid supporting shaft connected with one bracket, and tension means cooperatively disposed between the brackets and normally urging the other bracket to pivot in one direction with respect to said one bracket, said tension means consisting of a coil spring connected with both brackets, the connection between one bracket and the spring being adjustable to vary the tension of said spring, said

666 O. G.-35

adjustable connection between the mentioned one bracket and the spring being provided by means of a series of notches on said one bracket, and the spring being engageable with any one of the notches so as to stretch the spring to a greater or lesser extent thereby selectively increasing or reducing the tension of the spring.

6. In a phonograph apparatus, a tone-arm, a counterbalancing weight for the tone-arm, said weight having two opposite faces one of said faces confronting a surface portion of the tone-arm, and a tone-arm mounting arrangement including a pair of pivotally interconnected brackets cooperating with each other to provide two perpendicularly related axes about which the tone-arm may pivot, one of said brackets being attached to the tone-arm and having an extension confronting the other of said opposite faces of the weight, said extension cooperating with said surface portion of the tone-arm to clamp the weight in fixed position.

2,625,401

SOUND REPRODUCING STYLUS

Jean Robert Frederick, Conneaut, Ohio

Application June 23, 1948, Serial No. 34,705
3 Claims. (Cl. 274-38)



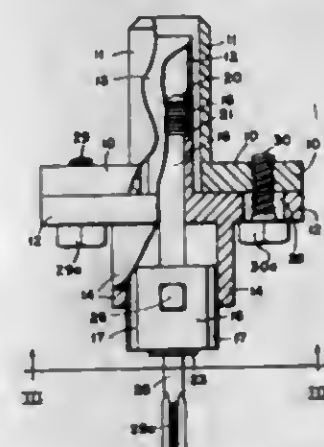
2. A sound reproducing stylus comprising an elastic cushion, a shank having one end thereof embedded in said cushion and a stylus crank within said elastic cushion spaced from said shank and having a tip portion projecting outside of said elastic cushion, said stylus crank including a crank shaft portion parallel to the longitudinal axis of said shank and an angular crank arm portion connecting said crank shaft portion with said tip.

2,625,402

ADJUSTABLE TAP HOLDER

Ernest L. Dick, Wichita, Kans.

Application May 12, 1950, Serial No. 161,697
4 Claims. (Cl. 279-16)

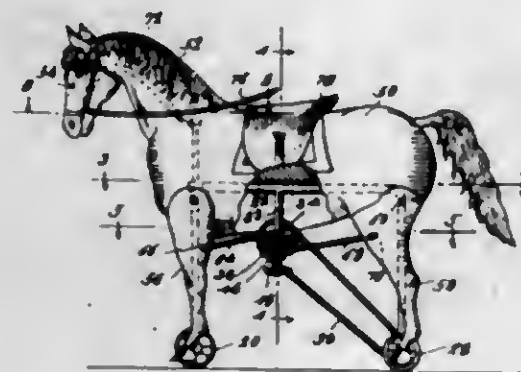


1. In a tool holder device of the kind described; a tool chuck and means for rigidly holding a

tool in the chuck, a chuck holder and carriage therefor, said chuck being yieldably movable longitudinally and non-revolvable in said chuck holder, and means for adjusting and rigidly holding the said chuck holder in adjusted parallel positions about the center longitudinal axis of the said chuck holder carriage, and means on said carriage for the mounting of the carriage on a machine.

2,625,403

FIGURE SIMULATING TOY VEHICLE
Charles P. Alonzo, New Orleans, La.
Application October 5, 1951, Serial No. 249,862
1 Claim. (Cl. 280-1.204)



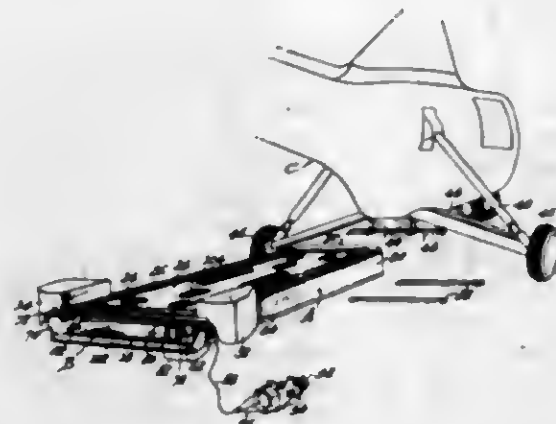
In a toy vehicle a collar, an elongated spindle mounted in and extending through the collar for rotation about a vertical axis, an axle carried by the spindle adjacent the lower end thereof, a cross bar carried by the spindle adjacent the upper end thereof, substantially horizontally disposed divergent arms carried by the collar, vertical legs carried by the arms adjacent the divergent ends thereof, a drive axle mounted in the legs adjacent the lower ends thereof for rotation about a horizontal axis, traction wheels carried by the drive axle for rotation therewith, a member simulating the body of a horse mounted on the divergent arms and having a head portion enclosing the upper end of the spindle and the cross bar, said head portion having a mouth, a crank shaft carried by the divergent arms between the collar and the legs, a saddle carried by the member above the crank shaft, legs simulating the forelegs of a horse pivotally connected to the member adjacent the front end thereof, legs simulating the hind legs of a horse pivotally connected to the member adjacent the rear end thereof, means carried by the crank shaft for engagement by the feet of an occupant of the saddle for rotating said crank shaft, means carried by the crank shaft and connected to the drive axle for rotating it and means connected to the crank shaft and to the pivoted legs for oscillating said legs as the crank shaft is rotated, said means for oscillating the pivoted legs comprising crank arms carried by the crank shaft and elongated links mounted on the crank arm and pivotally connected to the pivoted legs.

2,625,404

APPARATUS FOR LAYING HOSE LINES FROM MOVING VEHICLES
Kenneth L. Treiber, Alexandria, Va.
Application September 14, 1950, Serial No. 184,892
5 Claims. (Cl. 280-4)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. Apparatus for laying hose lines from moving vehicles, which comprises, in combination, a box-

like container mounted on a vehicle and adapted to contain a given length of hose flatly folded in convolutions upon itself, the said container having an opening in one end for guiding the hose during laying thereof responsively to movement of the vehicle, aligned top and bottom openings in the container, frangible securing means passing through the openings and the convolutions of the hose for releasably securing



the hose to the top and bottom of the container, the said frangible means fracturing through the length thereof for progressively releasing each successive convolution of the hose through the open end of the container until the hose is discharged from the container in an approximately straight line following the course of movement of the vehicle, and means for securing the container to the vehicle.

2,625,405

SKI ATTACHMENT
Edward H. Staff, Detroit, Mich.
Application March 25, 1949, Serial No. 83,493
6 Claims. (Cl. 280-11.37)



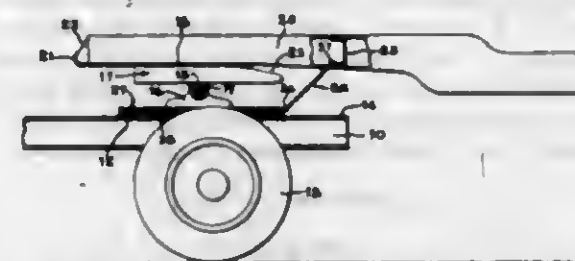
3. The combination of a pair of skis having bindings thereon and upstanding members carried along the inside edges of said skis adjacent said bindings for maintaining the skis in substantially parallel operative relation.

2,625,406

SAFETY COUPLING MECHANISM FOR SEMITRAILERS
James J. Black, Cincinnati, Ohio, assignor, by means assignments, to Trallmobile Inc., a corporation of Delaware
Application May 25, 1950, Serial No. 164,244
11 Claims. (Cl. 280-33.05)

1. A safety mechanism adapted to be installed upon a vehicle combination having coupling mechanism comprising, a retainer ring adapted to be secured to one of the vehicles in a position concentric to the coupling mechanism, a swivel ring rotatably journaled within the retaining ring, a connecting member having an end se-

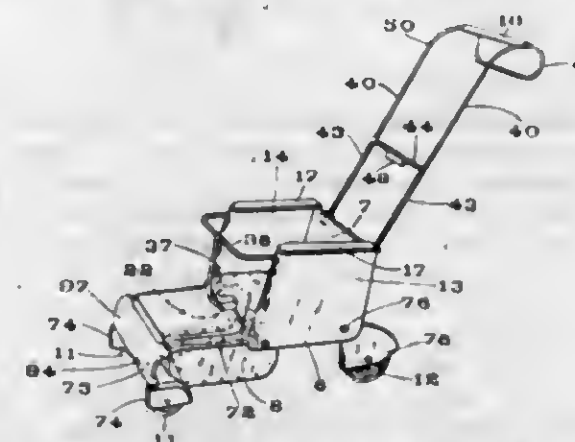
cured to the swivel ring, and a connecting device mounted on the free end of the connecting member adapted to be connected to the other of said



vehicles to provide a draft connection between the vehicles which is operable to prevent separation thereof upon failure of the coupling mechanism of the vehicles.

2,625,407

FOLDABLE WHEELED VEHICLE FOR INFANTS
William O. Varner, Versailles, Ohio
Application September 15, 1949, Serial No. 115,867
4 Claims. (Cl. 280-41)



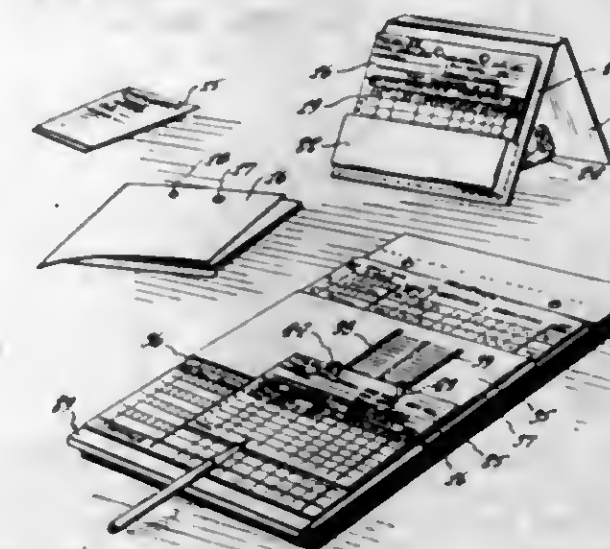
1. A collapsible vehicle of the class described comprising a body formed with rearwardly and downwardly opening cavities in its sides, bodily movable rear and front wheels adapted to be swung into the cavities, a shaft to which the rear wheels are secured for bodily movement therewith into the cavities, a front wheel support, a shaft to which the front wheel support is attached for swinging movement into a cavity, a plate movable longitudinally by rotation of the front wheel shaft, said plate being provided with a cam slot with which the rear wheel shaft engages, a slotted crank arm attached to the rear wheel shaft to rotate therewith, and a pin attached to the plate and extending through the slot in the crank arm for adjusting the relative bodily turning movement of the front and rear wheels.

2,625,408

ACCOUNTING DEVICE
Jack Hirsch, Mamaroneck, N. Y.
Application January 5, 1950, Serial No. 136,997
3 Claims. (Cl. 282-8)

1. An accounting device comprising a mounting plate adapted to be extended across a main accounting sheet, slidable means adjustable upon the mounting plate and adapted to be fixed in any one of a plurality of positions, said slidable means having a projection thereupon adapted to receive another accounting sheet whereby this other accounting sheet can be brought into proper alignment with the one accounting sheet on which the mounting plate is disposed, said slidable means on the mounting plate comprising a transversely extending bar, said mounting plate having parallel slots, clamping screws ex-

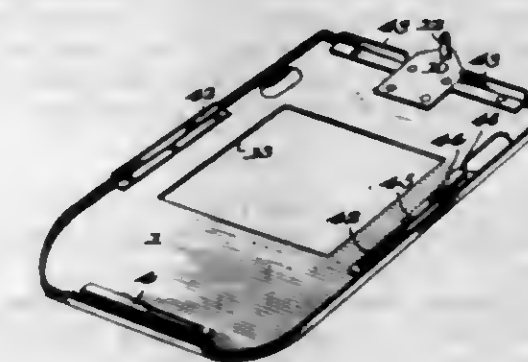
tending through the slots respectively and through the bar, hand nuts on the respective screws adapted to tighten the bar and screws



upon the mounting plate and said hand nuts adapted to serve as positioning pins for the second accounting sheet.

2,625,409

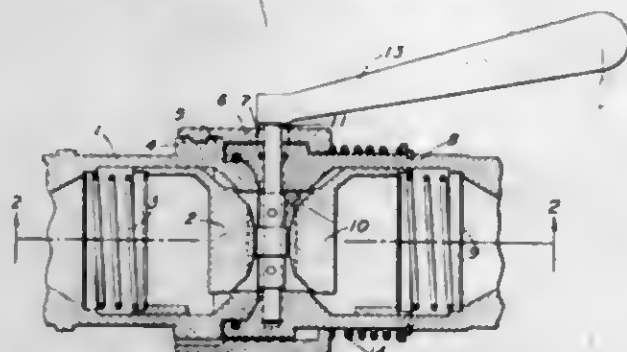
TAMPERPROOF POCKET AUTOGRAPHIC REGISTER
Miguel John Uline, Fort Lauderdale, Fla.
Application January 8, 1951, Serial No. 204,908
2 Claims. (Cl. 282-16)



2. A tamper-proof autographic register having in combination a housing provided with a plurality of compartments, one of said compartments being for storing a plurality of work sheet strips, each strip comprising an original and duplicate with carbon therebetween, a platen extending in said one compartment and a second compartment, means for feeding said strips from said one compartment over said platen, said housing having an opening through which the duplicate may pass to the exterior of said housing, and means for separating said strips from said feeding means after travel over said platen whereby the original is directed to a third compartment and said duplicate is directed towards said opening, said third compartment having means for storing said original, said separating means including a guiding channel in said second compartment for the duplicate sheet, said channel comprising a plurality of vertical walls one of which forms the partition between said second and third compartments and the other of which has a resilient edge adapted to resiliently and frictionally bear against the peripheral surface of said feeding means.

2,625,410 COUPLING

Ernest W. Crowley, Santa Monica, Calif., assignor to North American Aviation, Inc.
Application May 7, 1949, Serial No. 91,970
5 Claims. (Cl. 284-18)

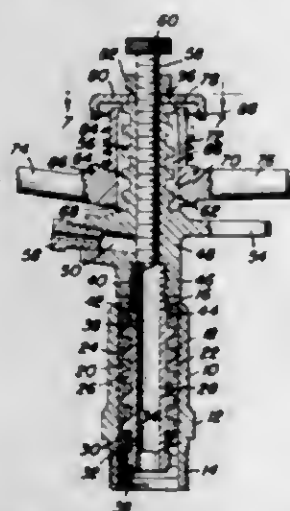


4. Fluid conduit coupling means comprising two conduit members to be coupled, one said conduit member having male thread means thereon, spring seated valve means fitted in the ends of said members and adapted to be opened by force applied in opposition to fluid pressure within the conduits, cam means disposed transversely of said conduit and rotatably supported in one of said conduit members adjacent to said valve means and shaped to apply a force when turned in a direction to open said valve means, union means having female thread means upon one end thereof, between said conduit means, attaching said conduit means together by the engagement of said male and female thread means, in fluid tight conjunction, said union means having a terminally enlarged circumferential slot therein, and a crank attached to said cam means having a rectangular cross section slidably engaging said slot and passing therethrough whereby said valves are opened only when said union member is completely engaged and said union member is disengaged only when said valves are closed.

2,625,411

SPRINKLER ROTATING SPINNER DRIVE SAND SEAL

Hector F. Unger, Portland, Oreg.; Dolores Jane Unger executrix of said Hector F. Unger, deceased
Application April 25, 1949, Serial No. 89,420
3 Claims. (Cl. 285-97.5)



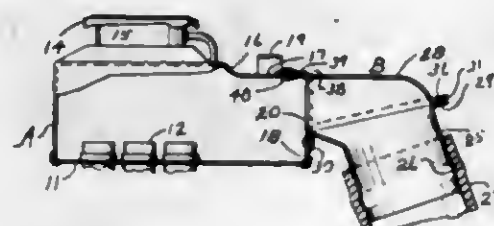
1. In a water sprinkler having a hollow casing and a hollow shank rotatable therein and a bearing sleeve in said casing surrounding said shank and rotatably journaling the latter in said casing; a plurality of annular ribs on said shank forming pairs of opposed shoulders therebetween, a plurality of annular ribs and grooves on the

inner surface of said bearing sleeve complementary to the ribs on the shank, one of said ribs on said bearing sleeve surrounding said shank and being rotatably received between and engaged with a pair of said opposed shoulders on said shank, a resilient annular seal surrounding said shank between another pair of said opposed shoulders, said bearing sleeve having a portion surrounding said resilient seal.

2,625,412

RADIATOR HEADER HOSE FITTING

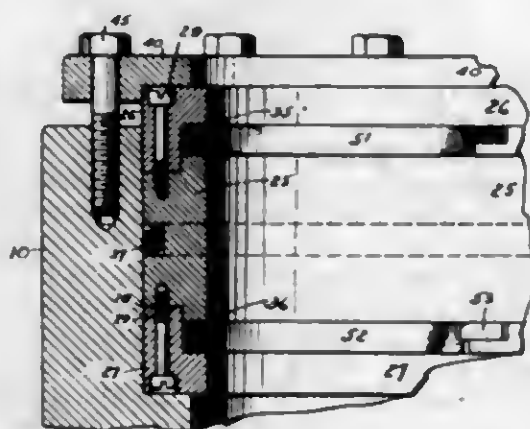
Fred M. Young, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a company of Wisconsin
Application June 17, 1948, Serial No. 33,485
1 Claim. (Cl. 285-211)



A hose connection fitting for a radiator tank having an opening in its rear panel, comprising in combination, an inverted cup shaped member formed with front and bottom edges, said front and bottom edges having integrally formed thereon outwardly extending front and bottom flanges, the front flange being adapted to register with the top and sides of said opening, having a portion of the top edge of the front flange extended forward and adapted to lie on the top panel of the tank, the entire front flange being bonded to the rear and top panel of the tank, another member comprising a tube, having on its upper end an outwardly extending flange, a portion of the front edge thereof being extended downwardly and adapted to lie on the rear panel of the tank and adjacent the bottom of said opening and being bonded to the rear tank panel and to the bottom edge of said front flange, its remainder being bonded to the bottom flange of said cup shaped member, forming a leak proof connection between the tube of said other member and the interior of said tank.

2,625,413

SEAL FOR HYDRAULIC RAMS
Niels A. Christensen, South Euclid, Ohio
Application March 4, 1948, Serial No. 12,982
1 Claim. (Cl. 286-26)

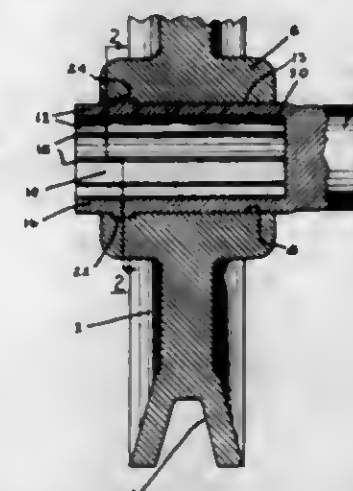


The combination of a cylinder having an annularly recessed end portion, a composite sleeve

2,625,415

FLEXIBLE SPLINED CONNECTION

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application April 29, 1950, Serial No. 158,993
5 Claims. (Cl. 287-53)

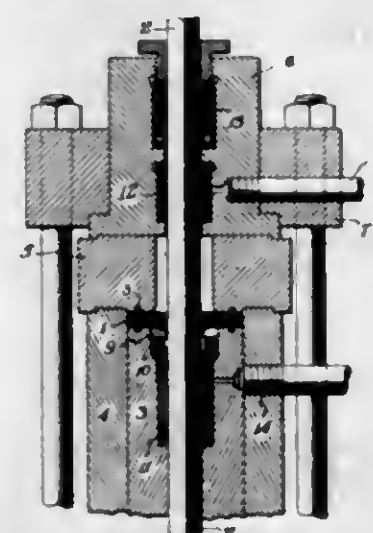


mounted therein, an annular clamping plate resting against the free end of the sleeve, means for forcing the clamping plate toward the cylinder to hold the annular sleeve firmly against the shoulder provided by the far end of the recess, said composite sleeve comprising an intermediate member having outwardly facing rabbets at its opposite ends spaced from the inner periphery and two L-shaped end members each having one leg respectively interlocking a different rabbeted space of the intermediate member and each having another leg extending toward the inner periphery, said one leg of each end member being longer than the axial dimension of the corresponding rabbet of the intermediate member, screws passing through the end members and threaded into the intermediate member for rigidly interlocking the three parts together leaving two inwardly facing grooves between the intermediate member and the legs of said end members, toroidal rings occupying said grooves each of less cross-sectional diameter than the axial length of the groove it occupies, and a reciprocable ram within the sleeve with which the said toroidal rings cooperate.

2,625,414

SEALING ELEMENT FOR PRESSURE VESSELS

William Kranz, Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 18, 1948, Serial No. 66,068
3 Claims. (Cl. 286-26)

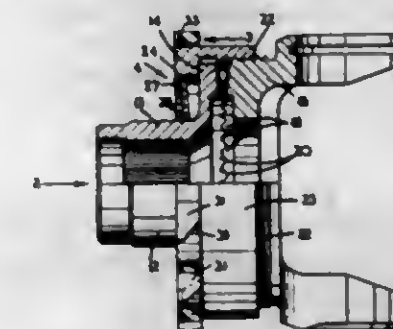


1. A packing device for sealing a reciprocable shaft in a pressure vessel which comprises the combination of a reciprocable shaft, positioned in the bore of an annular metallic diaphragm, said bore being concentric with the shaft and comprising a concentric surface of tapered contour, said diaphragm being mounted in sealing relationship to a pressure vessel and separating the pressure chamber thereof from a surrounding external zone of lower pressure, said diaphragm in its undistorted state being separated from the reciprocable element by a radial clearance of 0.0002 to 0.0008 inch, the surface of the said diaphragm adjacent to the shaft engaging the shaft more closely by axial flexure of the said diaphragm, produced by a differential pressure within the range of 10,000 to 50,000 pounds per square inch across the diaphragm in the axial direction, said pressure being exerted against the base of the said diaphragm by the contents of the pressure chamber, the direction of diminishing radius in the taper of the the said bore being towards the high pressure side of the seal.

2,625,416

MEANS FOR SECURING TOGETHER TWO SHAFTS OR THE LIKE

Leslie Richard Fellows, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England
Application March 24, 1950, Serial No. 151,675
In Great Britain April 29, 1949
2 Claims. (Cl. 287-107)



1. A joint comprising two co-axial members having inter-engaging self-centering teeth, a ring nut having a screw-threaded engagement with one of the members and an axially locating flange adapted to bear against the other of the members, the flange of the nut having a ring of notches defining teeth at its inner periphery, a leaf spring anchored to said other of the members, said leaf spring remotely from its anchorage having a portion for resiliently engaging the backs of said teeth and having another portion radially within the inner periphery of said locating flange, and a detent fast with said leaf spring remotely from

its said anchorage and for coaction with the flange notches for angularly locating the nut, said detent shaped to click over the teeth between the notches when tightening the nut, and the said another portion of said leaf spring being for axial deflection for withdrawing the detent from the engaged notch when the nut is to be removed.

2,625,417

SANDER FOR AUTOMOTIVE VEHICLES

Peter J. Sundheim, Buffalo, N. Y.
Application April 29, 1950, Serial No. 158,967
8 Claims. (Cl. 291-3)

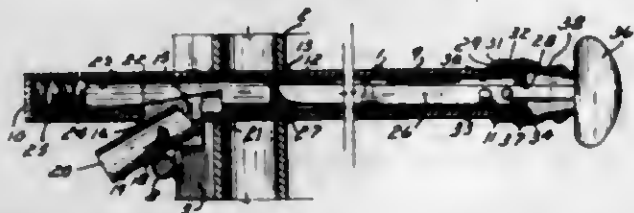


1. In combination with an automotive vehicle, an air pressure tank, a sand chamber having an opening at its bottom, an entraining valve secured about the opening, an air pipe leading from the pressure tank to said entraining valve; a relief chamber having walls formed of screen mesh and an anvil plate in said chamber, the relief chamber also having a discharge passage located in front of the rear wheel of the automotive vehicle, an air pipe from the entraining valve leading to the relief chamber and its end directed towards said anvil; an energized electric circuit and a solenoid in said circuit, a valve operated by said solenoid, said valve located in the air pipe leading from the pressure tank to the entraining valve; a switch in said energized electric circuit for closing the same to thereby energize the solenoid to in turn cause the said valve to open, whereby the air pressure from the tank will entrain and blow the sand from the sand chamber through the pipe leading to the relief chamber to cause the sand to strike said anvil, the air to be dissipated through the mesh and the sand to drop through the passageway in the relief chamber in front of the rear wheel of the vehicle as long as said switch is closed.

2,625,418

PANIC LOCK

Oscar M. Sievert, Detroit, Mich., assignor to Pan-handle Eastern Pipe Line Company, Kansas City, Mo., a corporation of Delaware
Application June 8, 1950, Serial No. 166,815
1 Claim. (Cl. 292-92)



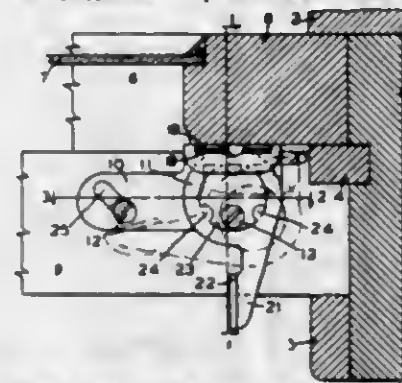
In a lock for an emergency outwardly swinging gate hinged on one of a pair of spaced posts defining an exit opening in a fence and adapted to engage the other post for closing said exit opening, an elongated tubular member having one end closed and supported in said other post at one side of the exit opening with the closed end exteriorly of said other fence post and the other end extending a substantial distance into the fenced area beyond the reach of a person outside the fence, said tubular member having an opening adjacent and exteriorly of said other fence

post, a lock member mounted on the tubular member for swinging movement toward and away from said other fence post whereby a portion of the gate may be positioned between the lock member and said other fence post, said lock member depending from the tubular member and having a portion which enters the opening in the tubular member when the lock member swings toward the fence post, a plunger slidably mounted in the tubular member over the opening therein, said plunger and the portion of the lock member extending into the opening of the tubular member having cooperating cam surfaces for effecting locking engagement retaining the lock member against swinging movement, means on the plunger extending from said other end of the tubular member and accessible for moving the plunger toward the fence post as the person operating same is traveling toward the gate to disengage the cam surfaces of the plunger and lock member for releasing said lock member for free swinging movement, means on the extending means engageable with the tubular member for retaining the plunger in cam surface disengaged position whereby the person operating same may continue on and swing the gate to open position for escape to the outside of the fence, and resilient means between the plunger and closed end of the tubular member for urging the plunger toward the cam surface engaging position.

2,625,419

WINDOW SASH CLAMPING DEVICE

Dewitt Tappan, Irondequoit, N. Y., assignor to Ada I. Tappan, Irondequoit, N. Y.
Application July 24, 1950, Serial No. 175,580
3 Claims. (Cl. 292-140)

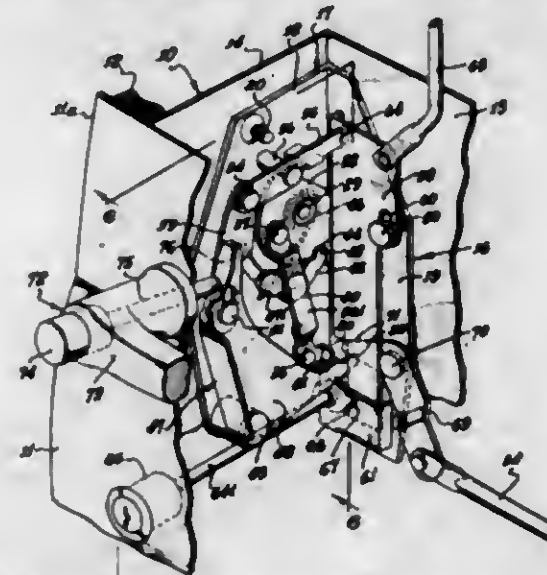


1. A window sash clamping device of the character described comprising, a stepped cam having two laterally disposed concentric portions one of which is of greater diameter than the other, a bearing eccentric to said concentric portions, and means whereby said cam may be rotated; an attaching member having a portion thereof adapted to act as a pintle on which said stepped cam may have rotative movement and adapted to secure said cam to a flat surface with its smaller concentric portion adjacent thereto, a clamping member having an opening therein comparable to the contour of the smaller of said concentric portions suitable to serve as a bearing in which the smaller concentric portion of said cam may have rotative movement, said clamping member being adapted to approach to and recede from an adjacent surface disposed at right angles to said flat surface to which said cam is secured on rotative movement of said cam, a pressure pad attached to said clamping member and disposed between the larger concentric portion of said cam and said adjacent right angle surface, a lip portion resiliently attached to said pressure pad and extending over the larger concentric portion of said cam and adapted to admit and retain said cam in its assembled position before said window sash clamping device is attached to a flat surface.

2,625,420

DOOR LATCHING MECHANISM

Waldemar A. Endter, Long Beach, Calif.
Application April 23, 1949, Serial No. 89,173
20 Claims. (Cl. 292-198)

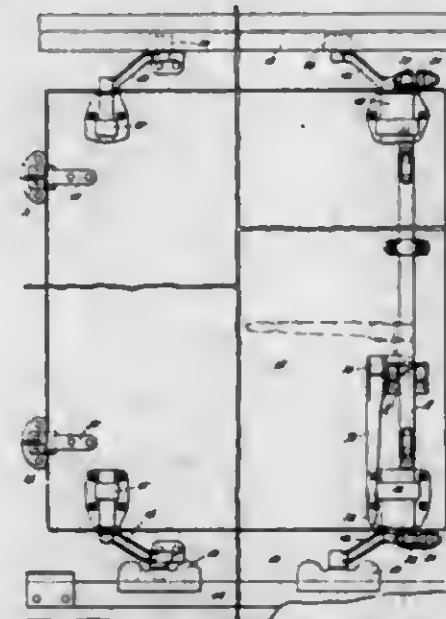


1. A latch device comprising a supporting case, a keeper mechanism including a pair of vertically spaced parts mounted on and at the outside of said case to receive between them a bolt assembly, means mounting both of said parts for vertical movement relatively together and apart between bolt retaining and releasing positions, a pair of relatively movable elements at the inside of the case connecting said parts, said elements being movable together to bolt retaining positions as the keeper parts move from bolt-releasing to bolt-retaining positions, holding means maintaining said elements in their said bolt retaining positions, and means for releasing said holding means to permit bolt releasing movement of the keeper parts said parts being positioned for engagement of one of the parts by the bolt assembly with resultant relative movement of the parts apart while both parts simultaneously move upward.

2,625,421

HOLDING MEANS FOR DOOR OPERATING LEVERS

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 12, 1947, Serial No. 791,221
3 Claims. (Cl. 292-218)



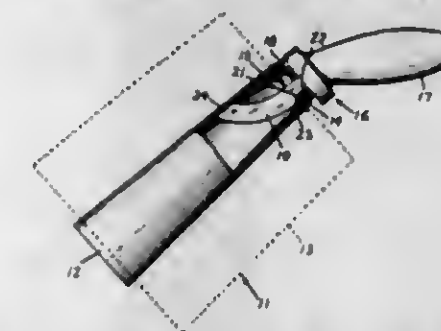
1. In a door operating mechanism, the combination with a vertically disposed rotary op-

erating bar mounted on the door; of means actuated by rotation of said bar in reverse directions for moving said door into and out of the door opening to respectively close and open the same; an operating lever for rotating said bar, said lever being pivoted at its inner end to said bar for swinging movement from operative horizontal position to pendant vertical position, said lever having a portion at its inner end extending at right angles to the length of said lever; a latch plate fixed to said door; and an upwardly opening keeper pocket on said latch plate within which said right angular portion of said lever is engageable in the pendant position of said lever to lock said bar against rotation.

2,625,422

TOOL FOR HANDLING PACKAGES OF YARN

Samuel B. Roberts, Greenwich, Conn., and Bradford C. Gibbs, Teaneck, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
Application May 9, 1950, Serial No. 160,966
5 Claims. (Cl. 294-15)

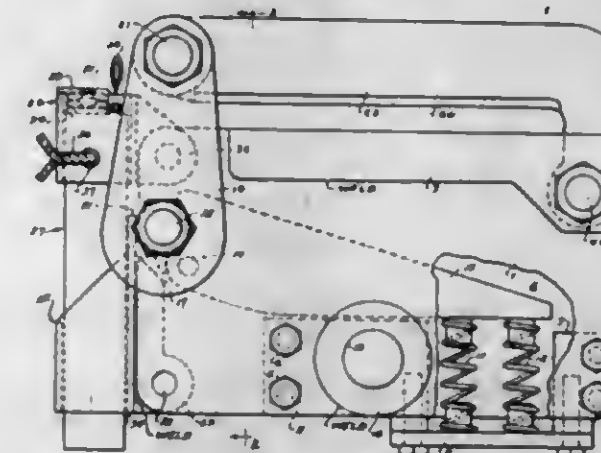


1. In a tool for handling a package of yarn comprising a tubular support having an opening communicating with the interior thereof and having a yarn winding thereon, a handle, and a finger operatively connected to said handle of such size and shape as to pass readily through said opening, said finger including means for engaging one end of said tubular support, and a flat surface for contacting the interior of the tubular support at a point spaced from the end of the tubular support and diametrically opposed to the point at which the end of the tubular support is engaged.

2,625,423

AUTOMATIC MULTIPLE PARACHUTE DISCONNECT DEVICE

James L. Hight, Fort Bragg, N. C.
Application March 7, 1952, Serial No. 275,448
5 Claims. (Cl. 294-83)
(Granted under Title 35, U. S. Code (1952), sec. 266)



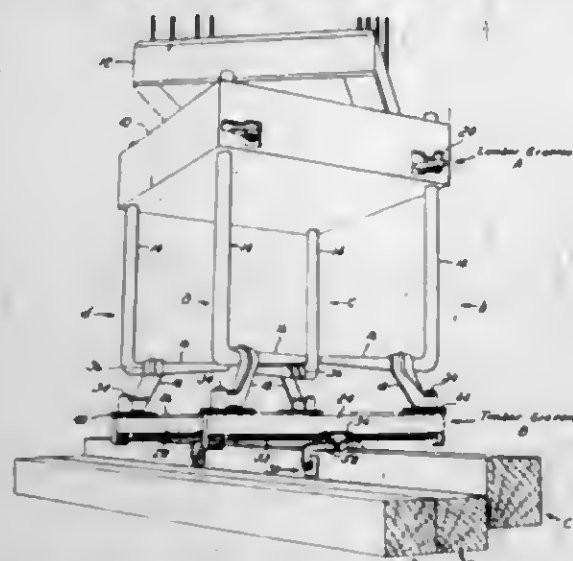
1. A parachute load connector comprising, a body member including means at the lower end

thereof to connect a load to the body member, means providing a recess in one upwardly extending side edge of said body member, a normally-horizontal bar having one end pivoted at the upper end of said body member and adapted to carry a plurality of bar-embracing parachute connectors, means to latch the other end of said bar to said body member including a swinging latch having a portion extending into said recess, spring-actuated means acting to bias said portion in a direction out of said recess, securing means movably mounted on said body member to close said recess and prevent ejection of said latch means portion therefrom, means to retain said securing means in the recess closing position, and means operable after a predetermined time period following release of the parachutes and connected load from an aircraft for releasing said securing means for movement to a position in which said recess is no longer closed thereby.

2,625,424

TIMBER GRAPPLE

William A. Hyman, Tacoma, Wash., assignor to Weyerhaeuser Timber Company, Tacoma, Wash., a corporation of Washington
Application December 27, 1948, Serial No. 67,313
12 Claims. (Cl. 294-86)



1. In combination with a standard lumber grapple having rotatable depending arms provided with horizontal fingers projecting inwardly of the lumber grapple, a timber grapple comprising a framework, a drive shaft in each corner of the framework disposed in axial alignment with the corresponding depending arms of the lumber grapple, a pair of oppositely disposed load engaging members connected in driven engagement with a pair of said drive shafts for movement into and out of engagement with a timber, and a bracket arm rigidly secured to each of said drive shafts having a socket portion for detachable engagement with the corresponding horizontal finger of said lumber grapple for connecting said timber grapple to said lumber grapple and for actuating the drive shaft of said timber grapple upon rotative movement of the depending arms of said lumber grapple.

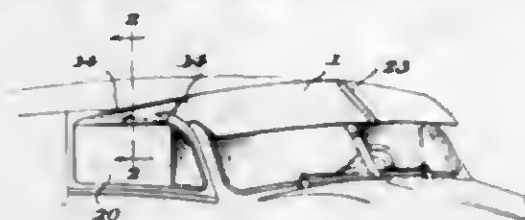
2,625,425

COMBINED AIR CONDITIONER AND VISOR FOR VEHICLES

Edwin E. Foster, Austin, Tex.
Application August 2, 1948, Serial No. 42,106
11 Claims. (Cl. 296-95)

1. A combination air conditioner and visor for mobile vehicles comprising an elongated casing

in the shape of a visor for a windshield of a vehicle and having a hollow space therein, a second casing adapted to be secured to a door frame of the vehicle at a window opening of the door frame and cooperating with the first-mentioned casing as a continuation of the hollow space therein forming in both casings an air channel for the flow of air when the vehicle is in



motion, said first-mentioned casing having an opening along the front leading edge thereof for the entry of air when the vehicle is in motion and the other casing having an opening directed into the interior of the vehicle at the window opening of the door frame, and means in the first-mentioned casing to condition the air as it flows from the front edge opening through the air channel to the second-mentioned casing.

2,625,426

VISOR

Lawrence B. Weymouth, Grosse Pointe Farms, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 18, 1946, Serial No. 704,169
7 Claims. (Cl. 296-97)



1. A glare shield structure for a vehicle body comprising a supporting rod having a longitudinal portion round in cross-section, a glare shield having its upper edge portion laterally offset and arcuately formed in cross-section to fit partly around said longitudinal portion of the rod, and a longitudinally split tubular clamping member enclosing said rod and arcuately formed portion and effective to exert yielding pressure thereon to hold said arcuately formed portion of the shield in frictional engagement with the rod while permitting the shield to be swung about the axis thereof.

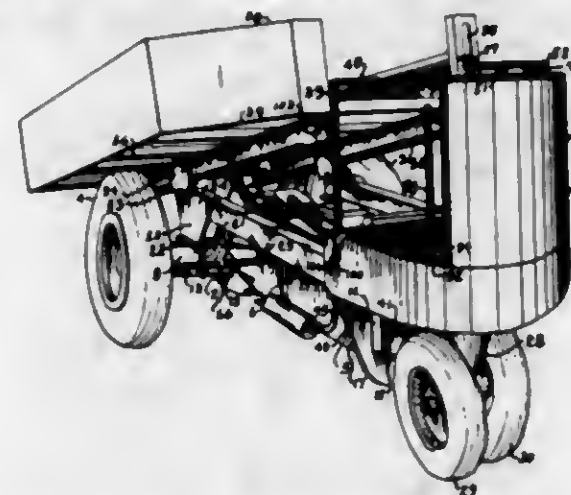
2,625,427

SERVICE TRUCK

Carl W. Rickel and Frank Eyerly, Basehor, Kans., assignors to William C. Rickel, Basehor, Kans.
Application November 15, 1948, Serial No. 60,002
6 Claims. (Cl. 298-22)

1. A service truck of the character described, a motor and transmission assembly having axle housings extending laterally of the transmission, rocker arms carried by said assembly on opposite

sides of the transmission and projecting over the axle housing, a frame including sills having rear ends connected with the axle housings, an operator's platform carried on the forward ends of the sills, steering wheels supporting the front of said frame, a dump bed pivotally connected with the sills near the rear end thereof and extending over the motor and transmission assembly, a pair of pulleys, brackets carrying the pulleys in spaced relation rearwardly of the axle housings, cables operating under said pulleys and

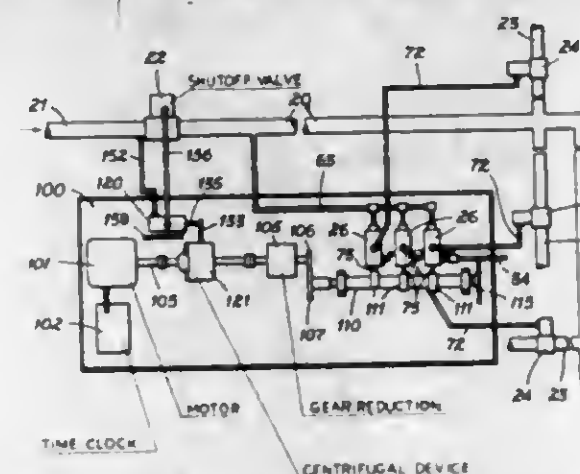


having one end connected with the dump bed and their opposite ends connected with said rocker arms to effect pivoting of the dump bed on said frame under actuation of the rocker arms, a latch on the operator's platform for engaging the dump bed to retain the dump bed in load carrying position and adapted to be released by an operator on said platform, and springs connecting the dump bed with the frame for facilitating return of the dump bed to load carrying position after actuation by said rocker arms.

2,625,428

SPRINKLING SYSTEM

Walter H. Coles, Troy, Ohio, assignor to The Skinner Irrigation Company, Troy, Ohio, a corporation of Ohio
Application May 19, 1949, Serial No. 94,197
5 Claims. (Cl. 299-27)



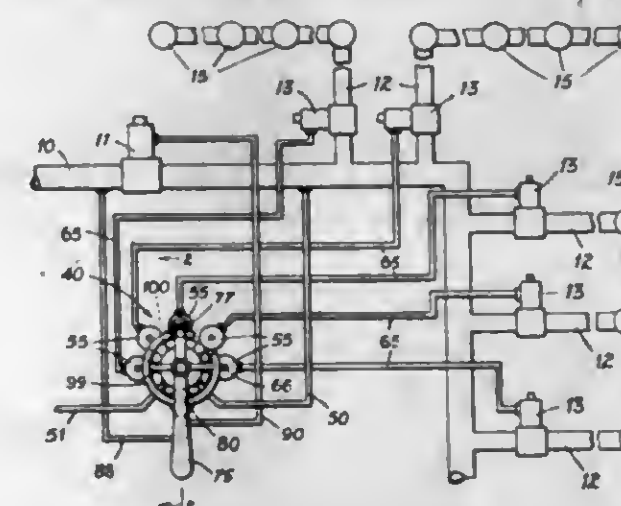
1. In a sprinkling system of the character described including a plurality of groups of sprinkling nozzles and a supply line for said nozzles, the combination of separate distributing valves for selectively controlling the flow of water to said groups of nozzles from said supply line, each said distributing valve having a pressure chamber, means for opening each said distributing valve when pressure is supplied to said chamber and for closing said valve when said pressure is relieved, a plurality of pilot valves each connected to said supply line and to the pressure cham-

bers of different ones of said distributing valves, means in each said pilot valve for supplying line pressure to the respective said pressure chamber when said pilot valve is open for opening the associated said distributing valve and for connecting said pressure chamber thereof to drain to effect closing of said distributing valve when said pilot valve is closed, and means for selectively operating said pilot valves to effect selective control of said distributing valves for operation of each said group of nozzles.

2,625,429

SPRINKLING SYSTEM

Walter H. Coles, Troy, Ohio, assignor to The Skinner Irrigation Company, Troy, Ohio, a corporation of Ohio
Application May 19, 1949, Serial No. 94,198
10 Claims. (Cl. 299-27)



1. In a sprinkling system of the character described including a plurality of sprinkling outlets, the combination of a supply line, a shutoff valve in said supply line, a plurality of distributing valves each arranged to connect one of said outlets with said supply line on the downstream side of said shutoff valve, said distributing valves being normally closed and being arranged to open when pilot pressure fluid is supplied thereto, a control unit having a plurality of operative positions connected with said distributing valves, means connecting said unit with said supply line on the downstream side of said shutoff valve for selective supply of pilot pressure to said distributing valves in each of said operative positions, and means operated by said control unit in another position for closing said shutoff valve to discontinue the supply of water to said control unit and to said distributing valves and thus to effect closing of all of said distributing valves and the relief of pressure throughout said system.

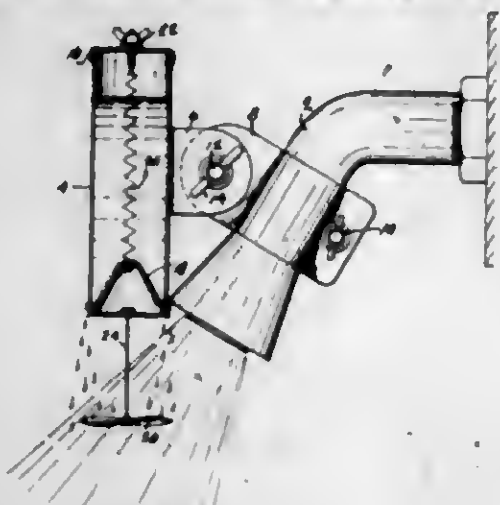
2,625,430

MIXING AND DISPENSING DEVICE

Dorothy Murphy, Kent, Conn.
Application August 28, 1951, Serial No. 243,973
3 Claims. (Cl. 299-84)

1. In a mixing and dispensing device for shower baths, the combination of a reservoir for the liquid to be dispensed and mixed with the water of the shower bath, means for adjustably attaching the same to a shower head, a valve in the reservoir, and a rotary valve opener and mixer at the exterior of the reservoir adapted to be impinged by the water issuing from the shower

head, thereby to open the valve to permit the discharge of liquid from the reservoir into the



shower stream and to mix the same with the shower stream.

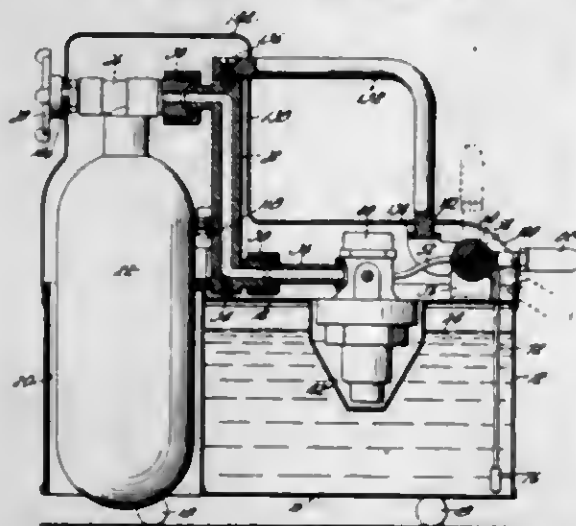
2,625,431

PACKAGED POWER SPRAYER

John H. Mueller, Kansas City, Mo.

Application October 6, 1947, Serial No. 778,153

2 Claims. (Cl. 299-86)



2. In a spray apparatus of the character described wherein a liquid and a gas are delivered separately under regulated pressure to a nozzle assembly, a nozzle assembly comprising a member fixed to said body member and a nozzle pivotally associated with said fixed member, said fixed member and said nozzle having relatively slidable abutting surfaces at right angles to the pivotal axis of the nozzle, said fixed member having a pair of recesses formed therein inwardly from the abutting surface thereof, said recesses being arcuately concentric with said pivotal axis, and of substantial and equal angular length, the liquid and gas being delivered respectively to said recesses, and said nozzle having a pair of relatively restricted recesses formed therein and respectively communicating with the recesses of said fixed member, said nozzle recesses being interconnected with the outlet orifice of said nozzle, and said nozzle being pivotal through an arc greater than the angular length of the recesses in said fixed member.

2,625,432

ATOMIZER CASE

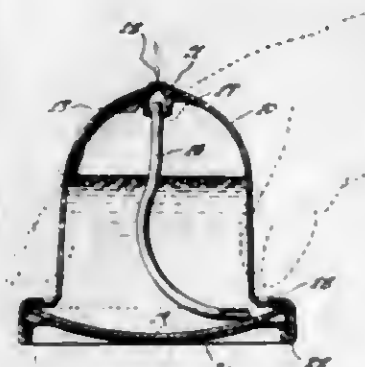
Earl S. Tupper, Upton, Mass.

Application November 26, 1948, Serial No. 62,208

2 Claims. (Cl. 299-89)

1. An atomizing container comprising a squeezable and resilient containing portion with an in-

tegral top having an enlarged depending portion, a tube secured within the depending portion and extending downwardly towards the bottom of the containing portion, the top of the containing portion having a nipple adapted to be severed to expose an orifice extending through the depending portion and in communication with the upper end of the tube, said depending portion having passages by which air when the containing portion has been relieved of the nipple is permitted to enter the containing portion and to permit its exit for atomizing action of the liquid as the containing portion is squeezed, rigid means for



closing the bottom of the containing portion, comprising a rigid disc for maintaining the shape of the bottom of the container and a bottom cap for securing the disc in place therewithin, said containing portion being of inverted cup shape, and having an outwardly and downwardly bent flange on its bottom end, said rigid disc extending into the flange to maintain the shape of the bottom of the container and said cap being channeled to receive the downwardly bent part of the flange of the container portion and extending upwardly and outwardly over the top of the flange of the containing portion.

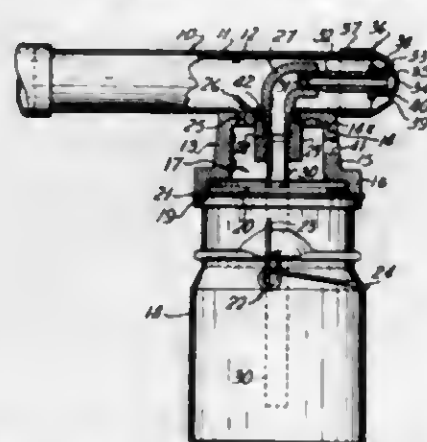
2,625,433

LIQUID SPRAYER

Edwin W. Vose, Orange, N. J., assignor to Spray Process Co. Inc., a corporation of New York

Application June 24, 1947, Serial No. 756,733

1 Claim. (Cl. 299-89)



In a liquid sprayer an elongated tubular member one end of which is adapted to be connected to a source of actuating air, flange means on said member intermediate the ends thereof for attaching said nozzle to a vessel for containing liquid to be sprayed, jet means including a fitting mounted in said nozzle intermediate the ends thereof and including a conduit extending through said flange means and terminating below the level of liquid in said vessel, tubular means within said member and substantially concentric therewith and forming an outlet for said

jet means, said tubular means having one end connected to said fitting and having its other end threaded, an apertured tip threadedly engaging said threaded end and adapted to be adjusted axially thereon, and a thimble mounted on the discharge end of said nozzle and movable axially thereon, said thimble having an aperture formed therein embracing said tip and being adjustable axially on said nozzle for regulating the spray and for effecting back pressure for cleaning said apertured tip.

2,625,434

PORTABLE OFF-THE-GROUND SPRINKLER APPARATUS

Oliver M. Freestone, Paradise, Calif.

Application January 22, 1951, Serial No. 207,175

4 Claims. (Cl. 299-104)



1. In a portable off-the-ground sprinkler apparatus, an irrigation unit including: a rigid water-conveying pipe; a plurality of substantially upright standards disposed beneath this pipe; each standard having a bar at its upper end on which the pipe is supported; each bar being provided with a series of openings therein spaced at varying distances from the pipe; U-shaped bolts fitting snugly over the particular size of pipe mounted on the bars in straddling relation with the pipe; these bolts having legs extending downwardly through selected openings in the bar; and clamping nuts threaded on the legs of the bolts and disposed beneath the bars.

2,625,435

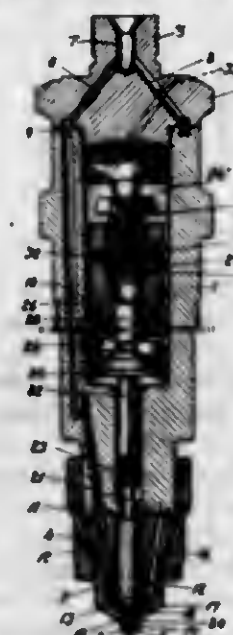
FUEL VALVE AND NOZZLE FOR INTERNAL-COMBUSTION ENGINES

Ake Oskar Johannes Larborn, Goteborg, Sweden, assignor to Aktiebolaget Volvo, Goteborg, Sweden, a corporation of Sweden

Application September 12, 1949, Serial No. 115,163

In Sweden September 10, 1948

3 Claims. (Cl. 299-107.6)



1. A fuel valve for internal combustion engines, comprising a valve casing having at opposite ends

thereof an axial bore and fuel ejection apertures, said casing being provided with a fuel passage including a valve seat adjacent said fuel ejection apertures and a connecting passage extending from said valve seat to said apertures, a valve member slidable axially in said casing and coaxial with said valve seat, said valve member including a valve cooperating with said valve seat and an enlarged portion at the inlet side of said valve seat for opening said valve upon increase of the fuel pressure in said fuel passage, throttling means on said valve member and extending into said connecting passage to restrict the flow of fuel therethrough during the initial stage of an opening movement of said valve, said throttling means being spaced from said valve to move out of said connecting passage prior to the completion of an opening movement of said valve, thereby affording unrestricted flow of fuel through said connecting passage during the remainder of a fuel injection period, and means controlling the timing in a fuel injection cycle of the movement of said throttling means out of said connecting passage; said controlling means including a cylinder within said bore of said valve casing and having a throttling opening affording restricted communication with said bore, a piston movable in said cylinder, means connecting said piston to said valve member for actuation thereby during opening movement of said valve member, and means for supplying said bore and cylinder with a liquid.

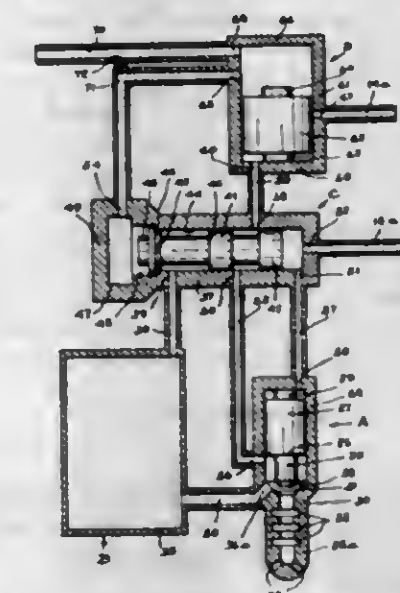
2,625,436

FUEL INJECTION APPARATUS

Martin J. Berlyn, Enfield, Conn.

Application August 7, 1948, Serial No. 43,145

9 Claims. (Cl. 299-107.8)



1. In a device of the character described, a fuel accumulator having an inlet passage for connection to a source of fuel and a passage for connection to a source of vapor, a piston in said fuel accumulator and having opposed pressure responsive surfaces to be acted upon by vapor and fuel pressure respectively, an injection valve, a vapor accumulator connected to said source of vapor and to said injection valve by passageways for supplying vapor to said injection valve, a fuel passageway connecting said fuel accumulator and said injection valve and a shuttle valve connected to said fuel passageway intermediate said fuel accumulator and said injection valve and also with said vapor passageway intermediate said source of vapor and said vapor accumulator, said shuttle valve having opposed pressure responsive surfaces adapted to be acted upon by vapor and fuel respectively, said shuttle valve being actuated

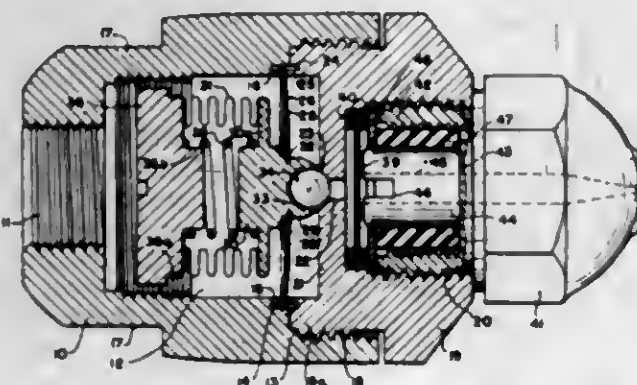
by coordinated changing pressure conditions in the fuel and vapor on the respective pressure responsive surfaces of said shuttle valve to control the delivery of fuel to said injection valve and vapor to said vapor accumulator, and said injection valve having a valve member having opposed pressure responsive surfaces adapted to be acted upon by vapor and fuel respectively.

2,625,437

ANTIDRIBBLE VALVE

William L. Huntington, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 9, 1949, Serial No. 114,716
6 Claims. (Cl. 299-150)



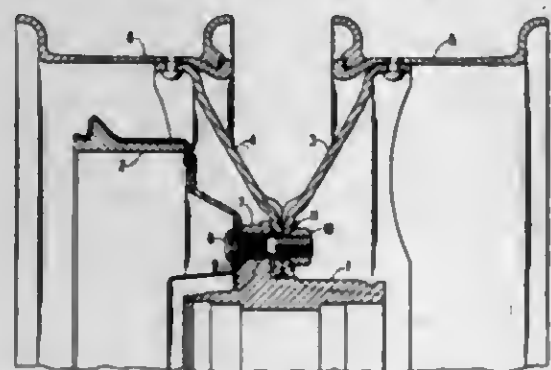
1. A control device for liquid fuel comprising a hollow valve body having a coaxial inlet and outlet, a valve seat between said inlet and outlet, a valve cooperable with said seat, pressure responsive means within said body between said inlet and outlet and operably associated with said valve, and an apertured snap-acting disc coaxial with said inlet and outlet and cooperable with said pressure responsive means and valve to cause quick opening of said valve at one predetermined pressure and quick closing thereof at another predetermined pressure, said snap-acting disc having its outer edge portion engaging said valve body and its central portion connected to said pressure responsive means and being so adjusted that in the valve closed position it is substantially at its snapping position so that a slight valve opening movement thereof is sufficient to cause it to move said valve to a wide open position rapidly.

2,625,438

STAMPED METAL VEHICLE WHEEL

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application June 18, 1948, Serial No. 33,777
5 Claims. (Cl. 301-9)



1. A stamped metal vehicle wheel comprising a wheel body having an integral bolting on flange provided with a plurality of circumferentially spaced holes located in a planar zone of said bolt-

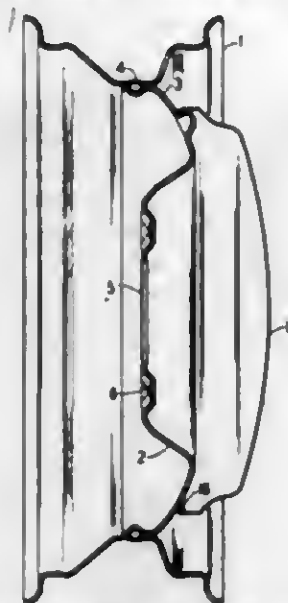
ing on flange, said bolting on flange having a central opening adapted to receive a hub, said bolting on flange having an axially extending flange along the periphery of said central opening, a plurality of substantially semi-circular embossments in said wheel body each adjacent to and extending around the outer half circumference of one of said holes and projecting axially in the same direction as said peripheral flange, the convex faces of said embossments presenting flat bearing surfaces extending substantially around the outer half circumference of each of said holes, said bearing surfaces lying in a plane disposed perpendicularly to the axis of the wheel, a plurality of embossments in said wheel body each located between two of the aforesaid holes and two of the aforesaid embossments, said second mentioned embossments projecting axially in the opposite direction from said peripheral flange, said second mentioned embossments presenting on the convex faces thereof flat bearing surfaces which are narrower in the area between said holes than in the area radially outward of said holes, said last mentioned bearing surfaces having a radial extent greater than the radial extent of said holes, the outer edges of said holes being substantially in the same plane as the flat bearing surfaces presented by the convex faces of said second mentioned embossments and the inner edges of said holes being offset axially outwardly from the edge of said peripheral flange and from the flat bearing surfaces presented by the convex faces of said first mentioned semi-circular embossments.

2,625,439

VEHICLE WHEEL

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application May 18, 1948, Serial No. 27,770
7 Claims. (Cl. 301-37)



1. In a vehicle wheel body, a plurality of circumferentially spaced bosses adapted for detachably connecting a cover plate to the wheel body, said wheel body having a V shear for each boss, the metal radially inwardly of said V shear being formed axially outwardly of said shear in the form of a V boss with edge surfaces in the form of a V, the edge surfaces of each boss diverging from the apex toward the wheel body and inclining radially and axially inwardly from the apex toward the body proper and the apex of the boss being positioned radially a greater distance from the center of the wheel body than the points at which the edge surfaces meet with the body proper of the wheel.

2,625,440

ORNAMENTAL WHEEL COVER

George Albert Lyon, Detroit, Mich.

Continuation of application Serial No. 506,173, October 14, 1943. This application July 26, 1947, Serial No. 763,930. In Canada January 8, 1944

2 Claims. (Cl. 301-37)



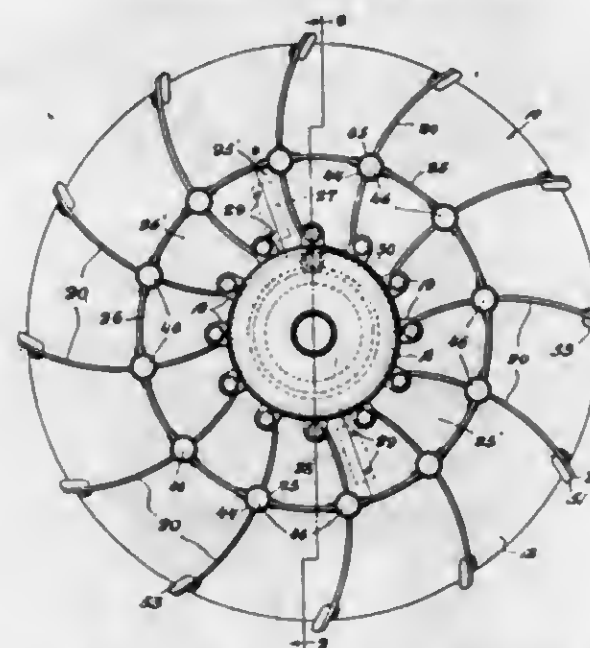
1. In a unitary circular wheel cover, integral outer ring and central hub cap portions with their junction indented to provide an outwardly opening annular groove, said cover having at least said ring portion made of manually flexible form-retaining synthetic plastic material, said ring portion having wheel-engagable cover retaining means on its outer margin, said groove having an ornamental reinforcing narrow bead resiliently snapped thereto for retaining engagement with said cover portions.

2,625,441

TRACTION DEVICE

Paul O. De Ragon, Mertztown, Pa.

Application June 10, 1949, Serial No. 98,345
4 Claims. (Cl. 301-47)



1. An attachment for motor vehicles comprising a wheel, a tire mounted on said wheel, a brake-drum fixed to said wheel, a plurality of vanes pivoted at their inner ends to said brake-drum at points inwardly of the tire periphery and extending substantially radially outwardly therefrom so that their outer ends extend beyond the periphery of the tire to engage the ground, a movable ring mounted on said brake-drum and radially spaced therefrom, means for rotating said ring with respect to said brake-drum, a plurality of slots circumferentially arranged in said

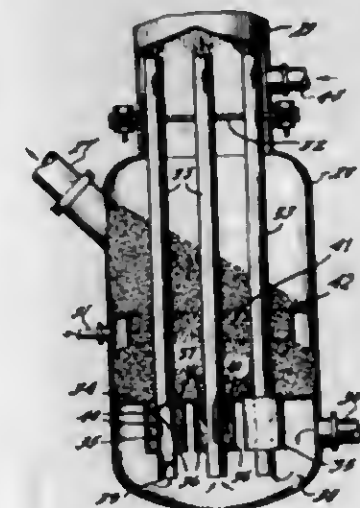
movable ring, each of said vanes extending through one of said slots, whereby upon rotation of the said movable ring with respect to the said brake-drum each of said vanes is caused to pivot about its inner end while sliding through its slot in the movable ring from the operative position where the slot engages the vane at a point near the central portion of the vane to the inoperative position where the slot engages the vane at a point near the outer end thereof.

2,625,442

APPARATUS FOR ELEVATING GRANULAR MATERIAL

Reyner Kollgaard, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application January 17, 1951, Serial No. 206,323
5 Claims. (Cl. 302-17)



1. Apparatus for elevating granular material by means of a gaseous lift medium comprising a plurality of closely-spaced parallel lift pipes, a housing surrounding the lower portion of said lift pipes, said housing having a lower chamber in open communication with the lower ends of said lift pipes and an upper chamber adapted to contain a downwardly moving bed of said granular material surrounding said lift pipes, means in the lower region of said upper chamber forming individual elongated wells about said lift pipes adapted to receive granular material from said bed, said lift pipes having openings into the lower region of said wells, means for introducing lift gas into said upper chamber, and means for introducing lift gas into said lower chamber, whereby the latter lift gas passes upwardly into the lower ends of said lift pipes and engages at a higher level therein said granular material conveyed through said openings by said first-mentioned lift gas, and the combined streams of lift gas convey said granular material upwardly through said lift pipes.

2,625,443

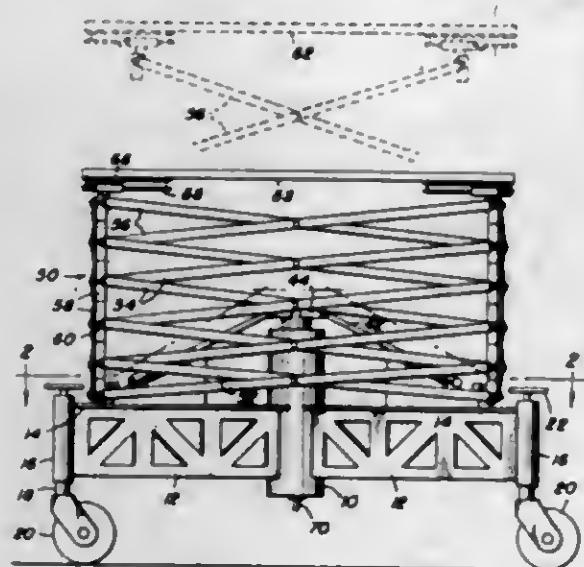
ELEVATING SCAFFOLD

Andrew Sensenbaugh, Elkhart, Ind.

Application September 27, 1949, Serial No. 117,998
2 Claims. (Cl. 304-29)

1. An elevating scaffold comprising a hydraulic cylinder, an even number of oppositely disposed radiating beams rigidly secured at their inner ends to said cylinder and together comprising a base, a guide on each of said beams, a traveler slidably mounted on each guide, a lazytong structure including lowermost lazytong bars each terminally and pivotally secured to a traveler, intermediate lazytong bars operated by the lowermost

lazytong bars, and uppermost lazytong bars operated by the intermediate lazytong bars, a platform, guides on the lower surface of said platform and vertically coplanar with said guides on the beams of the base, shoes slidably mounted on the guides on the platform and pivotally secured to said uppermost lazytong bars, a piston operatively mounted in said cylinder, and links operatively

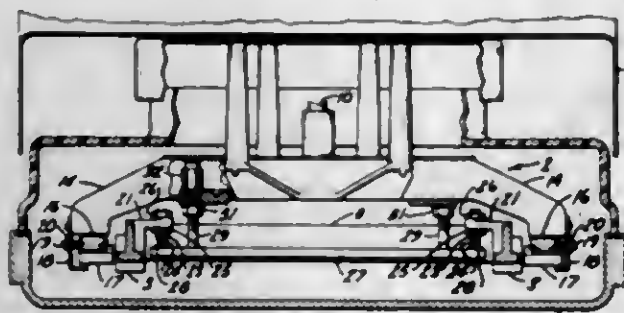


connecting said piston to said travelers, said guides on the beams being inclined upwardly toward said cylinder, said links being substantially parallel with said guides on the beams when the scaffold is depressed, so that the friction between the travelers and the guides on the beams is minimized at the beginning of the upward extension of the scaffold.

2,625,444

WEIGHING SCALE STABILIZING MECHANISM

Norman E. Hart, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application August 22, 1950, Serial No. 180,821
2 Claims. (Cl. 308-2)

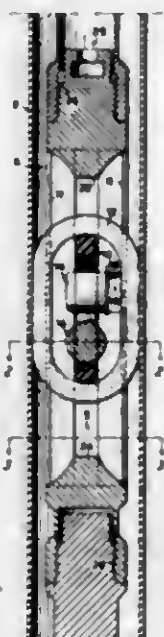


1. In a weighing scale pivot stabilizing assembly, in combination, a pair of auxiliary pivots having edges aligned with and oppositely directed to the edges of force transmitting pivots of a lever, a bar having flat bearings opposed to the auxiliary pivots, a member that is pivotally connected to the lever through the force transmitting pivots, a pair of studs rigidly attached to the bar and passing through holes in the member, finger engageable means threaded onto the ends of the studs and engaging the surface of the member remote from the bar for drawing the bar against the auxiliary pivots, and tool engageable means threaded on the studs and engaging the surface of the member adjacent the bar for putting the first means under stress to release the bar from contact with the auxiliary pivots.

2,625,445

GUIDE FOR BOREHOLE TOOLS

Roland Ring, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application September 23, 1949, Serial No. 117,375
11 Claims. (Cl. 308-4)

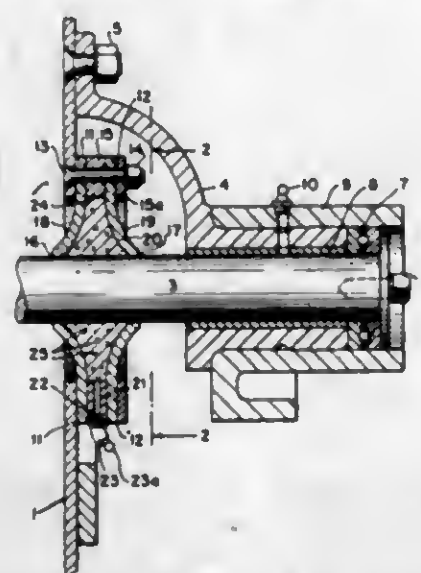


1. A guide for centering apparatus within a conduit comprising a retainer of lesser diameter than the inside of said conduit adapted to be joined to said apparatus and flexible guide rings of greater diameter than the inside of said conduit passing transversely through said retainer, portions of said rings engaging the wall of said conduit and being deformed thereby, said rings acting to center said retainer within said conduit and providing space for the passage of fluid between said retainer and said conduit.

2,625,446

SHAFT SEALING DEVICE

Thor Bjornstad, Philadelphia, Pa., assignor to Muller Machinery Company, Inc., Metuchen, N. J., a corporation of New Jersey
Application January 10, 1951, Serial No. 205,359
6 Claims. (Cl. 308-36.1)

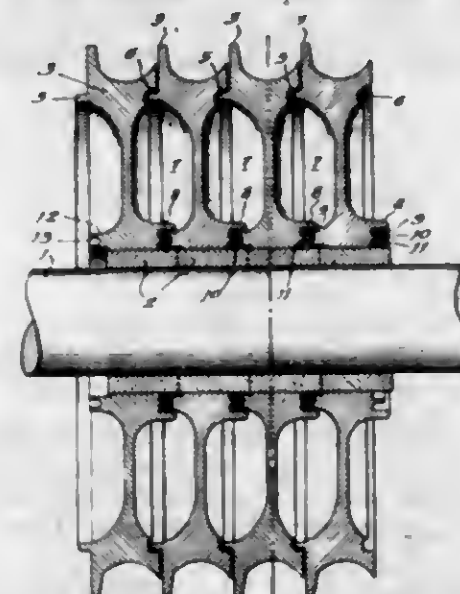


1. In a shaft sealing device of the character described, a drum head, a shaft mounted on bearings for rotation independent of said drum head, substantially resilient disks mounted in spaced apart relation on said drum head and under pressure contact with said shaft, the space between said disks and along said shaft being filled with semi-solid lubricating material.

2,625,447

PULLEY BEARING SEAL

Christopher Van Deventer, III, Knoxville, Tenn., assignor to National Plastics, Inc., Knoxville, Tenn., a corporation of Delaware
Application February 12, 1947, Serial No. 728,188
4 Claims. (Cl. 308-36.1)

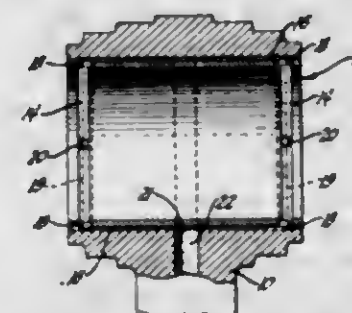


1. In combination a shaft, a first and a second pulley spaced axially on said shaft with confronting side faces, said first pulley having a peripheral flange portion with an annular groove therein on said confronting side face, an annular rib on said second pulley extending into said groove to define a tortuous path between said confronting faces, each of said pulleys having an annular recess in said confronting face defining a chamber below said peripheral tortuous path, and a pair of concentric annular axially extending ribs on the hub portion of said pulleys, the ribs of one pulley being arranged to overlap and extend between the ribs on the other pulley defining a tortuous path at the hub of the pulleys, said peripheral tortuous path and said hub tortuous path being effective to obstruct passage of dirt or the like to the shaft, and said chamber causing dirt to be collected therein and moved by centrifugal force to the outer peripheral portion thereof for movement through said peripheral tortuous path.

2,625,448

BEARING LUBRICATION

Arthur F. Underwood, Grosse Pointe, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 22, 1949, Serial No. 89,131
4 Claims. (Cl. 308-78)



1. A journal and bearing therefor subjected to a loading that is variable in direction, said bearing having a circumferentially extending oil groove adjacent each end of the bearing in the face of the bearing which contacts the journal, the two grooves having a combined volume at least equal to the volume of the clearance space between the journal and bearing and not greater

than about ten times said clearance volume, and means for keeping the two grooves filled with lubricating oil.

2,625,449

BEARING ASSEMBLY

Walter S. Sutowski, Garfield Heights, Ohio, assignor to Freeway Washer and Stamping Company, a corporation of Ohio
Application October 15, 1948, Serial No. 54,661
6 Claims. (Cl. 308-196)

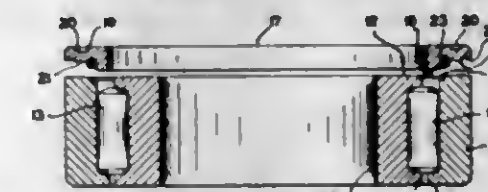


1. A bearing assembly comprising in combination a metal plate having a round opening therein, a split outer ball race having an annular channel disposed in its outer circumferential wall, an inner ball race, and a plurality of ball bearings positioned between said inner and outer ball races, the annular edge portion of said plate adjacent said round opening, the said annular channel and the centers of said ball bearings being disposed substantially in one plane, the said annular edge portion being disposed within said channel to tightly engage and compress said outer ball race in said plane for rigid support of said outer ball race by said plate in said plane.

2,625,450

ROLLER BEARING

Oliver F. Ringsmith, Newton Falls, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application February 20, 1951, Serial No. 211,884
4 Claims. (Cl. 308-213)



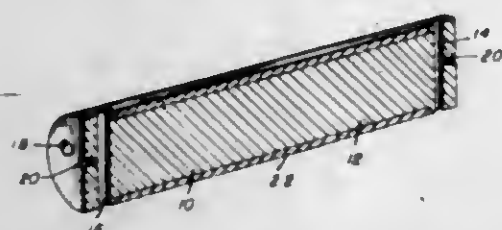
1. In an anti-friction bearing, an inner race member having an outwardly extending flange at each end thereof, said flanges forming a guiding and retaining channel for rolling members, a plurality of rolling members adapted to be rotatably retained and guided by said channel, a ring shaped outer race member having an inwardly extending flange at one end, the open end of said outer race member being adapted to slidably fit over said inner race member and said rolling members in concentric relation thereto; means to retain said races and members in assembled relation comprising a retaining ring having an axially extending annular boss, said boss being adapted to fit slidably into said outer race member to thereby, in cooperation with said inwardly extending flange, form a channel adapted to receive said rolling members, said retaining ring further having an outwardly extending flange welded to the open end of said outer race member, said retaining ring further having an annular land extending from said flange and adapted to contact said outer race member subsequent to the welding operation to thereby positively position said retain-

ing ring and associated boss in predetermined axial relationship with respect to said outer race member; and means to prevent passage of flash particles, emitted during the welding operation, into the said rolling-member-retaining channels, said means including a resilient and non-conductive ring positioned on the periphery of said boss and adapted to have contact with said outer race member during all phases of the welding operation.

2,625,451

NONMAGNETIC BRAKE PIVOT

Oscar W. Mahlke, Washington, D. C.
Application August 25, 1947, Serial No. 770,515
4 Claims. (Cl. 308-237)



1. In an electrically operated brake mechanism for elevators, a replacement pivot pin connecting pivoted members, said replacement brake pivot pin being of the same over-all dimensions as the original pin and having a cylindrical peripheral recess upon the peripheral surface of the pin and extending throughout the wearing surface of the pin, said recess being of a depth of about ten one-thousandths of an inch, a filler of non-magnetic electrically conductive material of uniform thickness intimately bonded to the pin in said recess for reducing galling tendencies due to magnetism, said pin including the filler having a smooth continuous cylindrical surface.

2,625,452

POROUS BEARING WITH LUBRICANT RESERVOIR THEREIN

John Haller, Detroit, Mich.
Application March 14, 1949, Serial No. 81,274
7 Claims. (Cl. 308-240)



1. A bearing comprising a hollow bearing body of approximately annular form composed of porous sintered powdered metal throughout substantially its entire extent and having an internal bearing surface therein, said body having a lubricant chamber in a wall thereof disposed outwardly of said bearing surface and communicating with said bearing surface through the pores in said wall, said lubricant chamber being completely enclosed within said bearing body and substantially entirely surrounded on all sides by the porous sintered powdered metal walls of said bearing body.

2,625,453

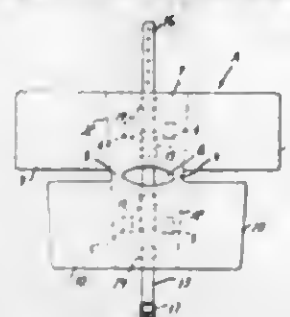
KNEE CRUTCH PAD

John H. Lampe, St. Louis, and Robert G. Watel, Clayton, Mo., assignors to Professional Specialties, Inc., St. Louis, Mo., a corporation of Missouri

Application August 2, 1948, Serial No. 41,915
2 Claims. (Cl. 311-11)

1. For use with a knee crutch having trough-like calf and thigh supporting sections disposed

at an angle to each other, each being provided with a belt member; a pad comprising an elongated unitary central panel having elongated substantially straight side margins, upper and lower pairs of wings for respectively enclosing the thigh and calf extending laterally from and hingedly connected to the longitudinal side margins of said central panel, said pairs of wings being spaced longitudinally from each other in the provision of a narrow hinge-forming medial section extending

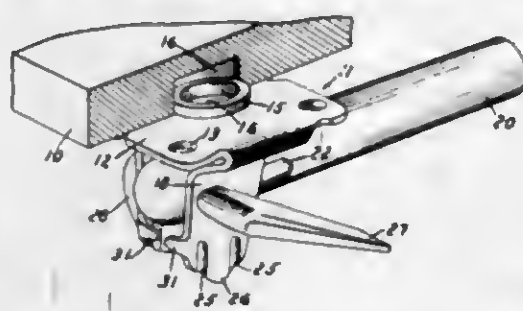


transversely across the mid-portion of said central panel, dividing said central panel into an upper and lower section, whereby said wings are swingable toward each other with relation to the central panel, the upper pair of wings, together with the upper portion of the central panel, being swingable as a unit toward and away from the lower portion of the central panel and the wings therewith associated, and means for maintaining the pad within the knee crutch.

2,625,454

TABLE LEG PIVOT AND LATCH MECHANISM

Walter O. Brown, Detroit, Mich.
Application November 16, 1949, Serial No. 127,691
7 Claims. (Cl. 311-99)



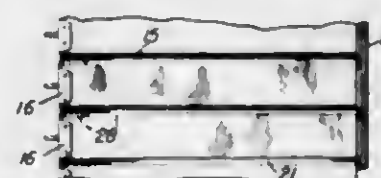
1. In combination, a leg member for an article of furniture, such as a table, a support adapted to support said leg member on the under side of the table, said support having an opening therein and including a clamp member comprising a pair of depending arms in substantial alignment with diametrically opposite wall portions of said opening, said leg being generally circular in cross section and having the upper end thereof positioned between said arms, means forming a pivotal and lost motion connection between said clamp and said leg comprising a slot in one of said members and a pin on the other member engaged within said slot, said leg being pivotable on said clamp from an inoperative position substantially in contact with the under side of the table to an upright operative position substantially perpendicular to said support, said slot permitting axial movement of said leg to permit the upper end of the leg to be inserted in said opening when the leg is disposed in said upright position, and a locking member pivoted on said support and arranged when turned to engage said clamp member, a cam on said locking member for bringing said arms into pressure contact with opposite sides of said leg when the locking member is turned into engagement with said clamp, said cam being offset from the pivotal axis

of said leg, the arm engageable by said cam having a portion thereof struck inwardly towards said other leg, said inwardly struck portion forming a projection on the inner face of said arm and adjacent the side edge thereof, said projection being adapted to be brought into pressure contact with said leg at a point offset to one side of the pivotal axis of the leg, said cam on said locking member being disposed such that, when the locking member is pivoted, said cam traverses a path across said inwardly struck portion and engages the central portion of said arm adjacent said inwardly struck portion to bring said projection into pressure contact with said leg.

2,625,455

CHEST OF DRAWERS

Frank P. Mitten, Redlands, Calif.
Application September 10, 1949, Serial No. 115,042
1 Claim. (Cl. 312-270)



A chest of drawers comprising a rectangular wooden frame having sidewalls of substantial thickness and a top and a bottom, said sidewalls having spaced apart aligned grooves cut in their opposed inside surfaces and extending parallel to said top, sheet-metal separators extending across said frame and slidably positioned in said grooves, each separator having a rear flange coextensive with the width of the separator downwardly turned at a right angle and overlying at its ends a portion of the rear face of each sidewall, a rear panel secured to said frame and overlying said rear flanges thereby locking said separators in place, the front of each separator being folded over on itself throughout its length to form a reinforced front edge, said grooves having a width sufficient to slidably receive said folded front edge, a forwardly extending sheet-metal lip underlying and spaced from said front edge on the under side of each separator and shorter than the space between said side walls so as to permit sliding of said separators in said grooves, sheet-metal drawers of a size substantially to fill the spaces in said frame between said separators, said sheet-metal lips corresponding in length to the inside width of said drawers, each drawer having at its upper front edge an inwardly extending sheet-metal tongue adapted to enter the space between the lip and the front edge of the overlying separator, said drawers being of such length that when fully closed their rear walls engage said rear flanges and their tongues are seated in the spaces between the lips and the reinforced edges of the separators.

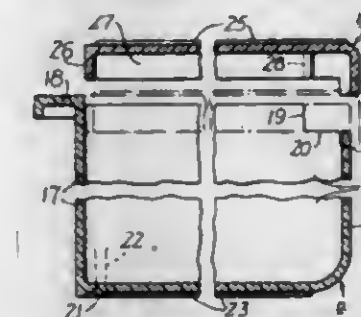
2,625,456

DISPLAY AND STORAGE STRUCTURE

Morris Rostau, Brookline, Mass.
Application June 23, 1950, Serial No. 169,801
9 Claims. (Cl. 312-270)

1. Display and storage structure of transparent plastic material comprising in combination vertically spaced integrally formed shelves arranged one above the other, and an integrally formed drawer slidably supported on a lower shelf and having a front end wall, a rear end wall and spaced side walls, the next upper one of said

shelves providing a cover for said drawer and having a flange extending downwardly from its under surface into said drawer, longitudinally extending portions of said flange being spaced inwardly from the side edges of said shelf and overlapping upper edge portions of the side walls of said drawer, a front end portion of said flange

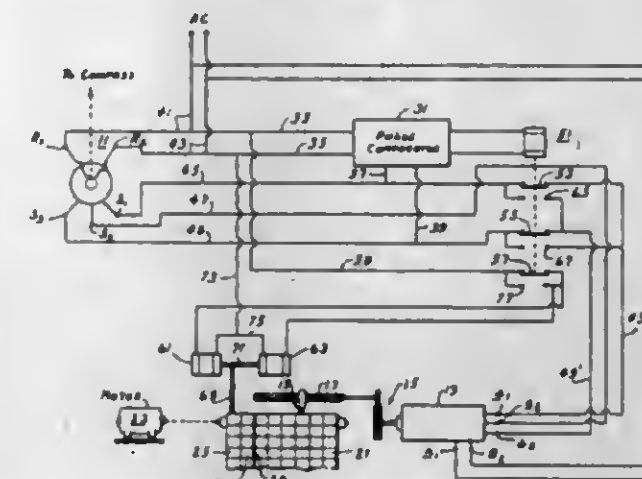


extending transversely across the front end of said shelf and opposite an upper portion of the front end wall of said drawer, and a rear end portion of said flange extending transversely across the rear end edge of said shelf and having a portion overlapping an upper edge portion of the outer face of said rear end wall of the drawer.

2,625,457

COURSE RECORDER

Bernard J. Baecher, Sea Cliff, N. Y.
Application July 26, 1951, Serial No. 238,759
10 Claims. (Cl. 346-8)
(Granted under Title 35, U. S. Code (1952), sec. 266)

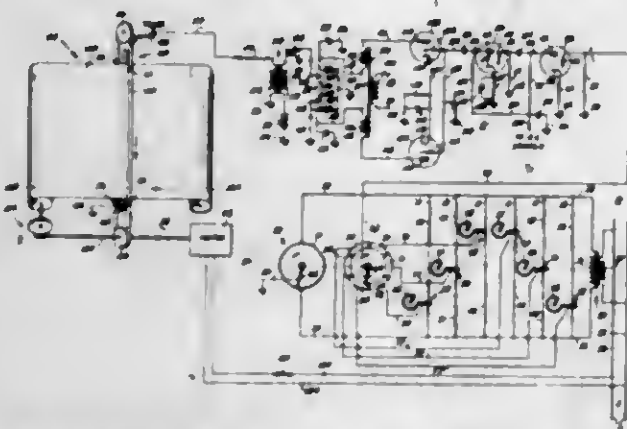


10. In a self-synchronous data transmission system including a transmitter and a receiver each having relatively rotatable single- and plural-winding members respectively interconnected so that the movable receiver member normally continuously follows the relative angular displacement of the transmitter member, phase-sensitive means adapted to generate a control voltage corresponding to a 180° phase difference between the voltage across the single-winding members and the voltage across a selected pair of windings of the plural winding members, means responsive to said control voltage for interchanging the connections of said selected pair of windings, thereby to cause reversal of the sense of angular displacement of the movable receiver member, means continuously indicating said reversal while said phase difference exists and recording means comprising a stylus connected to be driven by said receiver and including a screw, means threadably engaging said stylus on said screw, whereby the direction of travel of said stylus is altered on the occurrence of said 180° phase difference.

2,625,458

RECORDING APPARATUS

Roman C. Ruhland, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 23, 1947, Serial No. 749,957
17 Claims. (Cl. 346-34)



1. Electrical apparatus for recording a plurality of variable conditions, comprising in combination, a plurality of variable voltage means each of which is variable within predetermined limits in response to variable conditions, the limits of one being non-overlapping in respect to each other, a uniformly variable voltage producing means variable over range which includes the summation of the individual limits of said first named voltage producing means, continuously operated motor means, switching means driven by said motor means, amplifier means including discriminator means, means including said switching means for sequentially connecting said last named voltage producing means through said amplifier means to each of said first named voltage producing means to provide a plurality of balanceable networks the output circuits of which include said amplifier means, said output circuits of each of said networks having impressed thereon an unbalanced voltage which varies in phase and magnitude, relay means including a pair of relays each having associated time delay means, inductive means, recording means, one of said relays of said relay means being operative when a voltage of a given phase occurs in said output circuits of said networks, the other of said relays being operative when a voltage of an opposite phase occurs in said output circuits of said networks, and means including said time delay means energizing both of said relays as said voltage in the output circuit of said network changes sense, said inductive means operating to record on said recording means as both of said relays are energized.

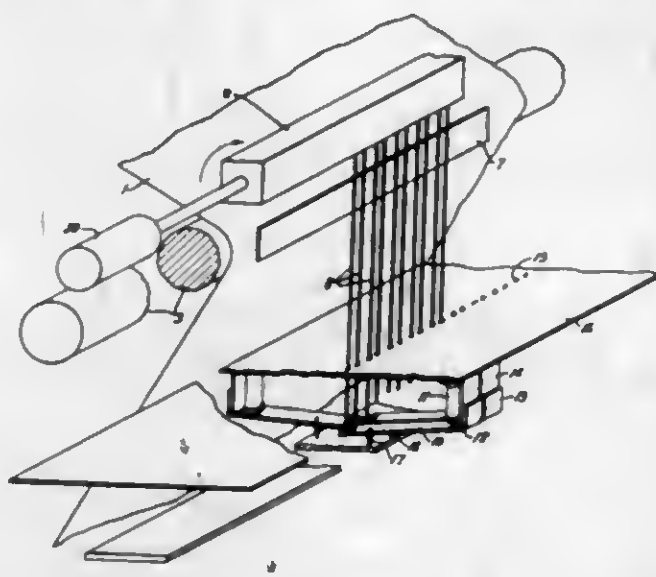
2,625,459

RECORDING APPARATUS

Frank T. John and John B. Cannon, Jr., State College, Pa., assignors to The Pennsylvania Research Corporation, State College, Pa., a corporation of Pennsylvania
Application April 3, 1952, Serial No. 280,406
9 Claims. (Cl. 346-49)

1. A recording apparatus for printing data on a record receiving member through an inked ribbon,

comprising impact means spaced from the inked ribbon, a recording member of resilient wire material, one end of said member being free to vibrate and being normally held adjacent to the impact means but out of engagement with it, engaging means connected to the other end of the



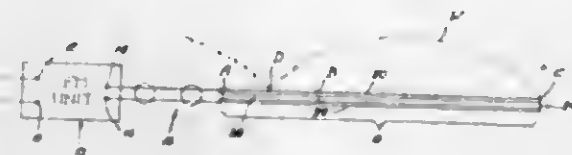
recording member for moving it longitudinally to bring its free end into impact engagement with said impact means at a point between said means and the inked ribbon, whereby the free end of the recording member when engaged by said impact means will vibrate and strike the inked ribbon to mark the record receiving member.

2,625,460

METHOD OF AND MEANS FOR RECORDING PHENOMENA BY MEANS OF STANDING WAVES

Jerry L. Cloud and Nathan Marchand, New York, N. Y., assignors, by mesne assignments, to Technicon Cardiograph Corporation, New York, N. Y.

Application April 26, 1947, Serial No. 744,228
18 Claims. (Cl. 346-74)



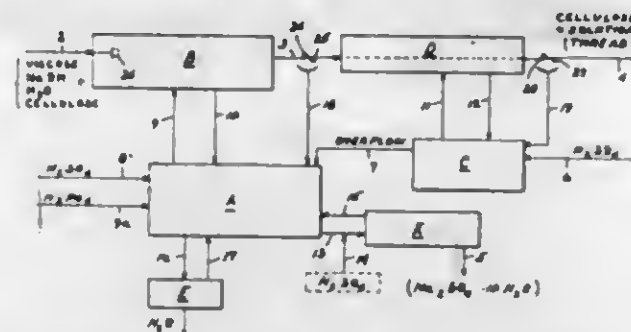
17. The system which comprises generating a standing wave of electrical energy, transforming said electrical energy into another energy form, varying said wave in accordance with voltage variations from a selected source whereby to displace a selected point of said wave, and disposing a record sheet, which is sensitized to said other energy form, so that it is subjected to the action thereon of said other energy form present at said selected point, whereby to produce on said sheet a trace of said selected point of said varied wave.

CHEMICAL

2,625,461

PROCESS FOR PRODUCING REGENERATED CELLULOSE ARTICLES FROM VISCOSE

George A. Richter, Jr., Springfield, and Richard H. Braunlich, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 2, 1950, Serial No. 187,858
20 Claims. (Cl. 18-54)



1. A method for the production of shaped articles of regenerated cellulose from viscose which comprises extruding viscose into an aqueous coagulating bath having a pH of 1.5 to 10 and containing a dehydrating agent for viscose and inorganic phosphate radicals at least some of which are in the form of a sodium salt, withdrawing the cellulose xanthate article thus formed from the bath, passing the cellulose xanthate article carrying adhering coagulating solution to and through an aqueous cellulose-regenerating bath comprising an equilibrium mixture of the dehydrating agent and phosphoric acid, and sulfuric acid to convert to phosphoric acid at least part of the phosphate salts in the article, stretching the article at some time between coagulation and complete regeneration of the cellulose continuously passing excess regenerating bath built up during the spinning to the coagulating bath in a controlled amount so correlated with the amount of coagulating solution carried into the regenerating bath by the cellulose xanthate article that the pH balance in the coagulating bath is not upset, and removing from the coagulating bath by evaporation and crystallization water and sodium sulfate built up in said bath during the extrusion of the viscose, the composition and pH of the coagulating bath being maintained substantially constant from the beginning to the end of the extrusion.

2,625,462

PROCESSES FOR PRODUCING MANGANESE CARBONATE

Abraham L. Fox, Washington, D. C., assignor to Reginald S. Dean, Washington, D. C.
No Drawing. Application December 16, 1948, Serial No. 65,721

5 Claims. (Cl. 23-61)

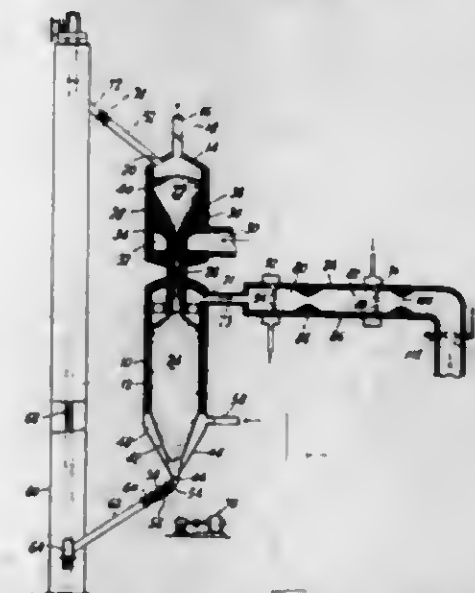
1. Process of making manganese carbonate which comprises preparing a solution, free from solid phase, of manganous oxide in an aqueous solution of at least 200 grams per liter of NH_3 and an ammonium salt of an acid forming a soluble manganese salt, said manganese-containing solution containing combined carbon dioxide in an amount at least chemically equivalent to the manganese content of such solution but insufficient to form a precipitate, heating said man-

ganese-containing solution under its own vapor pressure at 50-120° C. in a closed vessel for a substantial period to precipitate manganese carbonate, separating the resulting precipitate from the resulting solution of NH_3 and ammonium salt, and reusing said resulting solution in preparing a further batch of said manganese-containing solution.

2,625,463

METHOD FOR PRODUCING HYDROGEN CYANIDE

Charles L. Norton, Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application April 27, 1946, Serial No. 665,353
4 Claims. (Cl. 23-151)



1. The method of producing nitrogen compounds comprising continuously preheating a stream of air by continuously passing the air stream upwardly through a descending stream of heated solid inert refractory material in the lower chamber of a moving bed type of heater having an upper chamber in which the refractory material is heated; continuously withdrawing the heated air from the upper end of the lower chamber; utilizing the oxygen component of the withdrawn heated air to support combustion of a fuel to supply heat requirements of the method; reacting the nitrogen component of the withdrawn heated air with an introduced hydrocarbon gas to form HCN; and separating the HCN from the stream.

2,625,464

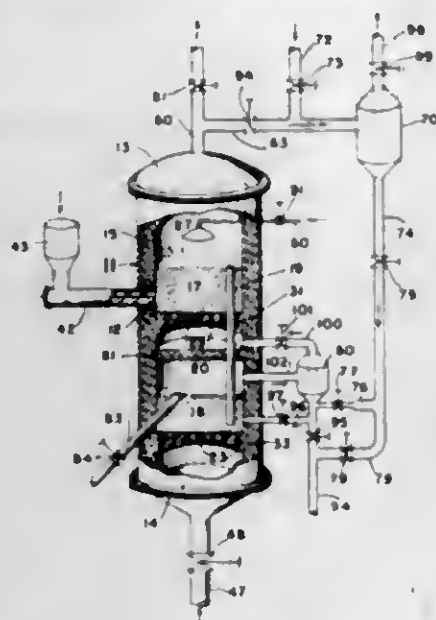
ROASTING OF SULFIDES

Elliott J. Roberts, Rupert M. Foley, and David F. Wells, Westport, Conn., assignors to The Dorr Company, Stamford, Conn., a corporation of Delaware

Application May 24, 1949, Serial No. 95,136
4 Claims. (Cl. 23-177)

4. The continuous process for treating finely-divided iron sulfide bearing solids to yield therefrom sulfur dioxide gas that is substantially free from both uncombined sulfur and sulfur trioxide, comprising establishing and maintaining a bed of such solids in a treatment zone maintained at solids roasting temperatures, maintaining the bed

as a turbulent fluidized bed by passing there-through at solids fluidizing velocities an uprising stream of fluidizing gas, roasting solids in the bed to yield a gas containing both uncombined sulfur and sulfur-dioxide as well as to yield roasted solids containing a minimum of 2% by weight of sulfidic-sulfur by maintaining in the uprising stream of gas supplied to the bed free-oxygen in an amount sufficient to yield both sulfur-dioxide and uncombined sulfur vapor but insufficient to convert more than 98% by weight of the sulfidic-sulfur of the bed to uncombined sulfur vapor and sulfur-dioxide, discharging roasted



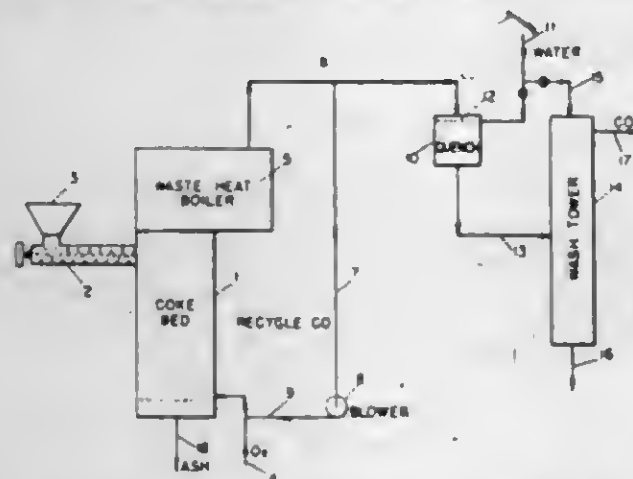
solids from the zone, discharging gases from the bed and from the zone, controlledly oxidizing the discharged gases by supplying thereto free-oxygen in an amount sufficient to substantially convert the uncombined sulfur vapor content thereof to sulfur-dioxide gas, and buffering the formation of sulfur-trioxide during oxidation of the sulfur content of the discharged gases by maintaining entrained in the gases during such oxidation sufficient iron bearing compounds in an oxidation state lower than Fe_2O_3 so that at least a trace of such compounds remain after oxidation of the sulfur is substantially completed.

2,625,465

GAS GENERATION

Thorpe Dresser, Whiting, and Reading B. Smith, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application October 23, 1947, Serial No. 781,742
4 Claims. (Cl. 23-204)



4. A continuous process for the generation of carbon monoxide gas which comprises maintaining a bed of hot coke in a retort at temperatures

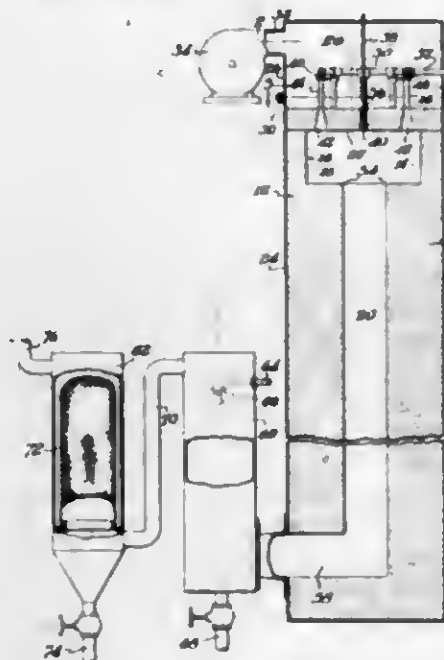
from about 1,000° C. to about 1,300° C., continuously introducing oxygen, substantially undiluted except for carbon oxides, into the coke bed, continuously withdrawing carbon monoxide from the retort, cooling the effluent carbon monoxide and continuously recycling a portion of the cooled carbon monoxide to the bed of coke in admixture with the oxygen at a rate 200% to 300% that at which the carbon monoxide is generated.

2,625,466

PROCESS AND APPARATUS FOR MAKING CARBON BLACK

Ira Williams, Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J., a corporation of New Jersey

Application February 17, 1950, Serial No. 144,607
20 Claims. (Cl. 23-209.6)



14. In the process for producing carbon in a furnace having a combustion chamber in which the distance between the end walls is from about 0.25 to about 2 times the distance between opposing side walls and in which the exit end wall has a central outlet orifice of an area equal to from about 5% to about 25% of the cross-sectional area of the combustion chamber normal to the side walls and said orifice leads into a reaction chamber having a cross-sectional area equal to from about 5% to about 100% of the cross-sectional area of the combustion chamber and a volume equal to at least 45% of the volume of the combustion chamber, the method which comprises injecting into the combustion chamber at a plurality of positions around the combustion chamber adjacent the side walls and burning therein a combustible mixture of a gaseous fuel and an oxygen-containing gas in a proportion of from about 90% to about 125% of that required for complete combustion of the gaseous fuel, the combustible mixture being injected at a rate such that the gases forming the combustion gases pass through the combustion chamber at a space velocity of from about 150 to about 600 cubic feet per cubic foot per minute, directing the burning mixture and combustion gases perpendicular to the exit end wall until they impinge on such wall so that the combustion gases become violently turbulent and flow as a turbulent mass to the center of the combustion chamber and to the outlet orifice, simultaneously injecting into the combustion chamber at the inlet end thereof an expanding cone of substantially gaseous hydrocarbon for which the free energy of formation is

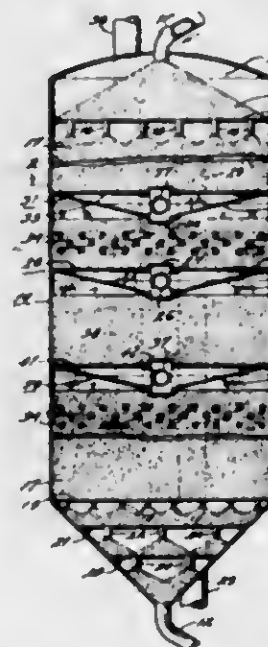
positive, directing such cone of hydrocarbon axially of the combustion chamber toward the outlet orifice and into the turbulent mass of combustion gases, flowing the resulting mixture of carbon and gases through the outlet orifice and reaction chamber, and separating the carbon from such resulting mixture.

2,625,467

APPARATUS FOR FLOWING GASES THROUGH BEDS OF FLUENT GRANULAR SOLIDS

John W. Barker, Silver Spring, Md., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application June 27, 1949, Serial No. 101,649
5 Claims. (Cl. 23-288)



3. An apparatus for contacting downwardly moving fluent solid particles with gas, said apparatus comprising a housing for confining a bed of said particles, a gas manifold, a plurality of horizontally elongated conduits in gaseous communication with said manifold and spaced from each other over substantially the full extent of a horizontal cross sectional area of said bed, said conduits being open at the bottom and defining a gas containing chamber having an appreciable vertical height, and apertured partitions in each of said conduits, said partitions sloping upwardly from the ends of said conduits adjacent to said manifold.

2,625,468

METHOD OF CONDITIONING BRIGHTENING BATHS

Stanley R. Prance and Harold J. Reindl, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application May 3, 1951,
Serial No. 224,459
5 Claims. (Cl. 41-42)

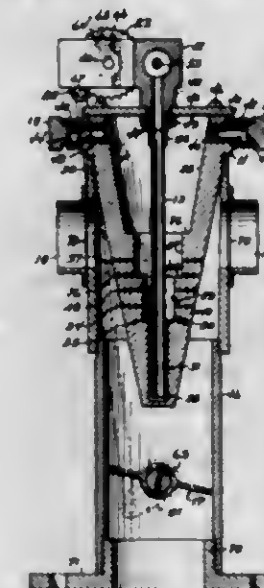
1. In the method for brightening aluminum and aluminum alloy parts in a chemical bath and simultaneously maintaining the effectiveness of the bath wherein the bath consists essentially of an aqueous solution of nitric acid together with the ions of ammonium and fluoride, a metal and chromic acid and a carbohydrate, the steps comprising: dipping aluminum and/or aluminum alloy parts into said bath for brightening the surface of said parts, removing between .004 and .01 of a gallon per gallon of said brightening bath for each square foot of

2,625,469

JET ACTION CARBURETOR

Rubie F. Morgan, Trussville, Ala., assignor of twenty-five per cent to Fred Vann, Trussville, Ala.

Application January 26, 1951, Serial No. 208,024
3 Claims. (Cl. 48-180)



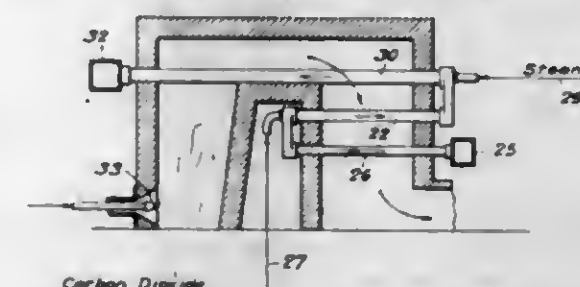
1. In a carburetor for an internal combustion engine, the combination which comprises a vertically disposed tubular casing having air inlet openings in the sides, an inverted substantially hollow cone having a closed head positioned in said casing with the head of the cone mounted in the upper end of the casing and with the small end of the cone extended downwardly in the casing to a point substantially midway of the height thereof, a fuel supply tube mounted in the head of the cone and extended downwardly into the interior of the cone, a control valve in the head of the cone and positioned to regulate the area of said fuel supply tube, said cone having spaced annular rows of radially disposed orifices therein whereby fuel vapors released into the cone from said tube form spaced radially disposed sprays in the tubular casing.

2,625,470

METHOD FOR PRODUCING REDUCING GAS MIXTURES

George Roberts, Jr., Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application August 8, 1946, Serial No. 689,151
2 Claims. (Cl. 48-196)



1. A method of producing a synthesis gas mixture of hydrogen and carbon monoxide which comprises the steps of supplying hydrocarbon feed gas and carbon dioxide to a first stage of

a reforming zone, initially reforming a portion of hydrocarbon feed gas within a first reforming stage, supplying heat to said first reforming stage by convection while maintaining a space velocity in the first reforming stage well within the turbulent range, and thereby effecting the endothermic conversion of hydrocarbons with carbon dioxide, introducing the total reforming products into a higher temperature intermediate reforming stage, supplying a separate stream of carbon dioxide to said intermediate stage, and introducing the total reforming products from the intermediate reforming stage including the unreacted hydrocarbon feed gas unreacted in the first stage into a final highest temperature reforming stage wherein heat is supplied by radiation, whereby a mixture predominating in hydrogen and carbon monoxide is produced.

2,625,471

FERTILIZING COMPOSITIONS

David T. Mowry and Ross M. Hedrick, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 20, 1952,
Serial No. 272,698

13 Claims. (Cl. 71-1)

11. A soil conditioning fertilizer which comprises a mixture of a finely divided flowable solid plant nutrient and a finely divided solid synthetic polymeric water-soluble polyelectrolyte having a molecular weight such as to improve the water-stability of aggregates in said soil, said polyelectrolyte being derived substantially entirely by olefinic polymerization.

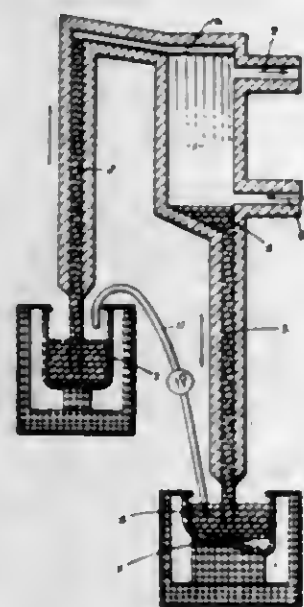
2,625,472

DISTILLATION OF ALUMINUM FROM ALUMINUM ALLOYS

Ernst Scheuer, Stone, England, assignor, by mesne assignments, to Aluminium Laboratories Limited, Montreal, Quebec, Canada, a corporation of Canada

Application August 12, 1949, Serial No. 110,001
In Great Britain August 18, 1948

5 Claims. (Cl. 75-68)



1. A process for distilling aluminum from molten aluminum containing material comprising drawing molten aluminum containing material from a container maintained at atmospheric pressure, passing it through a reaction chamber in the form of a shower, said reaction chamber being maintained at sub-atmospheric pressure, treating the molten material in the re-

action chamber with a stream of metal halide vapour whilst passing through said reaction chamber to remove a part of the aluminium therefrom, collecting the remaining molten material in a second container maintained at atmospheric pressure, cooling said material to cause precipitation of relatively high melting point constituents therefrom and recirculating the remaining molten material to said first container.

2,625,473

LITHIUM MODIFIED MAGNESIUM TREATMENT OF CAST IRON

Oliver Smalley, Larchmont, N. Y., assignor to Meehanite Metal Corporation, a corporation of Tennessee

No Drawing. Application September 8, 1950,
Serial No. 183,915

4 Claims. (Cl. 75-123)

1. As an article of manufacture, a casting which if untreated with magnesium and lithium would have resulted in a gray iron casting having a common flake graphite structure, said casting being characterized by a substantially nodular graphite microstructure in the presence of at least .01% retained lithium in conjunction with .04% retained magnesium.

2,625,474

ACID-ALKALI PROCESS FOR THE PREPARATION OF CELLULOSE FIBERS

James D. Atkinson, Jr., and Linwood Nicholas Rogers, Memphis, Tenn., assignors to Buckeye Cotton Oil Company, Memphis, Tenn., a corporation of Ohio

No Drawing. Application June 30, 1947,
Serial No. 758,234

3 Claims. (Cl. 92-9)

1. A process for liberating and purifying fibers from bagasse which consists in immersing the bagasse, prior to alkaline treatment thereof, in dilute nitric acid solution having a concentration of about 2% at elevated temperature between 80° C. and 110° C. for a period of about one hour, removing the acid solution and washing the bagasse, thereafter immersing the bagasse in dilute sodium hydroxide solution having a concentration of about 1% to 3% at about 95° C. for a period of about one hour to reduce the size of fiber bundles and form a pulp, mechanically and violently agitating the pulp before washing to break up the fiber bundles, thereafter washing the pulp, again immersing the pulp in dilute sodium hydroxide solution at about 95° C. for a period of about one hour, chlorinating the pulp to effect bleaching and removal of encrustants, steeping the pulp in the cold in 5% to 14% sodium hydroxide solution for a period of about one hour, and rebleaching the pulp in a hypochlorite solution with excess alkalinity.

2,625,475

STABILIZATION OF PHOTOGRAPHIC DEVELOPERS

Harold D. Russell and Grant M. Haist, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 28, 1951,
Serial No. 218,071

18 Claims. (Cl. 95-88)

1. An alkaline photographic developing solution comprising a silver halide developer, a hydrazine, and a compound selected from the group consisting of diglycolic acid and its alkali metal salts.

2,625,476

PHOTOGRAPHIC SILVER HALIDE DEVELOPING SOLUTIONS CONTAINING CALCIUM PRECIPITATION INHIBITORS

Richard W. Henn, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 28, 1951,
Serial No. 218,073

12 Claims. (Cl. 95-88)

1. An alkaline photographic developing solution comprising a silver halide developer and a compound selected from the class consisting of diglycolic acid and its alkali metal salts.

2,625,477

BLEACHING SILVER IMAGES WITH p-SULFOPHENYL QUINONES OR p-NITROSO PHE-NOLS

George W. Sawdey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 1, 1951,
Serial No. 254,440

8 Claims. (Cl. 95-88)

1. The method of removing only the silver images from a photographic layer containing silver and dye images, which comprises treating said layer containing said silver and dye images with an acid solution of a bleaching agent selected from the class consisting of p-sulfophenylquinone and benzoquinone monoxime and their derivatives substituted in the aromatic ring with a group selected from the class consisting of alkyl, halogen, alkoxy and acetamido groups, followed by fixing.

2,625,478

MODIFIED LARD AND PROCESS OF PRODUCING SAME

Karl F. Mattil and Frank A. Norris, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 7, 1950,
Serial No. 183,666

19 Claims. (Cl. 99-118)

1. The process of treating a lard to permanently alter the normal crystallization habit and improve the appearance and keeping qualities thereof, which comprises subjecting lard to a heat treatment at a temperature between about 120° C. and 260° C. for a period of between about one-half and six hours in the presence of a small amount of a polyvalent metallic compound acting as a crystal modifying catalyst to permanently alter the crystal habit of the lard without causing a significant amount of interesterification.

2,625,479

PROCESS OF PRODUCING MODIFIED LARD

Karl F. Mattil and Frank A. Norris, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 4, 1950,
Serial No. 194,188

10 Claims. (Cl. 99-118)

1. The process of treating lard to permanently alter the normal crystallization habit and improve the appearance and keeping qualities thereof, which comprises subjecting lard to a heat treatment at a temperature between about 120° C. and 260° C. for a period of between about

one-half hour and 6 hours in the presence of a small amount of a zinc salt acting as a crystal modifying catalyst to permanently alter the crystal habit of the lard without causing a significant amount of interesterification, whereby the formation of long needle-like crystals is avoided.

2,625,480

PROCESS OF PRODUCING MODIFIED LARD

Karl F. Mattil and Frank A. Norris, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 24, 1950,
Serial No. 197,488

13 Claims. (Cl. 99-118)

1. The process of treating lard to permanently alter the normal crystallization habit and improve the appearance and keeping qualities thereof, which comprises subjecting lard to a heat treatment at a temperature between about 120° C. and 260° C. for a period of between about one-half hour and 6 hours in the presence of a small amount of a lead salt acting as a crystal modifying catalyst to permanently alter the crystal habit of the lard without causing a significant amount of interesterification, whereby the formation of long needle-like crystals is avoided.

2,625,481

PROCESS OF PRODUCING MODIFIED LARD

Karl F. Mattil and Frank A. Norris, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 28, 1950,
Serial No. 203,229

10 Claims. (Cl. 99-118)

1. The process of treating lard to permanently alter the normal crystallization habit and improve the appearance and keeping qualities thereof, which comprises subjecting lard to a heat treatment at a temperature between about 120° C. and 260° C. for a period of between about one-half hour and 6 hours in the presence of a small amount of the lard an iron salt acting as a crystal modifying catalyst to permanently alter the crystal habit of the lard without causing a significant amount of interesterification, whereby the formation of large needle-like crystals during crystallization and subsequent storage is avoided.

2,625,482

PROCESS OF PRODUCING MODIFIED LARD

Karl F. Mattil and Frank A. Norris, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 5, 1951,
Serial No. 214,024

8 Claims. (Cl. 99-118)

1. The process of treating lard to permanently alter the normal crystallization habit and improve the appearance and keeping qualities thereof, which comprises subjecting lard to a heat treatment at a temperature between about 120° C. and 260° C. for a period of between about one-half hour and 6 hours in the presence of a small amount of a cobalt salt acting as a crystal modifying catalyst to permanently alter the crystal habit of the lard without causing a significant amount of interesterification whereby the formation of long needle-like crystals is avoided.

2,625,483

PROCESS OF PRODUCING MODIFIED LARD
Karl F. Mattil, Chicago, and De Witte Nelson, Elmhurst, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 14, 1950, Serial No. 184,914
5 Claims. (Cl. 99—118)

1. In a process of treating lard to modify the same, the steps of contacting the lard with an interesterification catalyst selected from the group consisting of alkali metal alcoholates and alkaline earth metal alcoholates, and subjecting said lard while in contact with said catalyst and in liquid phase to an interesterification temperature for said catalyst to permanently modify the crystallizing properties of said lard, said treatment at said temperature being continued until the crystallizing properties of said lard are substantially completely modified and the solid constituents of said lard crystallize in stable form having an X-ray diffraction pattern resembling that of hydrogenated vegetable oil shortening and differing substantially from that of the unmodified lard.

2,625,484

LARD CRYSTAL MODIFICATION
William E. Dominick, Chicago, De Witte Nelson, Elmhurst, and Karl F. Mattil, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 19, 1951, Serial No. 257,184
9 Claims. (Cl. 99—118)

1. A process of treating lard to improve its resistance to deterioration of physical appearance and textural properties, comprising contacting lard with an alkali metal acting as a crystal modification catalyst at a temperature between the temperature at which the highest melting point constituent of the lard just remains in solution and 170° C. until permanently changing the normal crystallization habit and normal X-ray diffraction pattern of the said treated lard to resemble that of hydrogenated vegetable oil shortening, deactivating the said catalyst, and recovering the crystal modified lard free of the said catalyst.

2,625,485

LARD CRYSTAL MODIFICATION PROCESS
William E. Dominick, Chicago, and De Witte Nelson, Elmhurst, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 26, 1952, Serial No. 278,754
9 Claims. (Cl. 99—118)

1. A process of treating lard to improve its resistance to deterioration of physical appearance and textural properties, comprising contacting lard with an alkali metal hydroxide as a crystal modification catalyst at a temperature between the temperature at which the highest melting point constituent of the lard just remains in solution and 250° C. until permanently changing the normal crystallization habit and normal X-ray diffraction pattern of the said treated lard to resemble that of hydrogenated vegetable oil shortening, deactivating the said catalyst, and recovering the crystal modified lard free of the said catalyst.

2,625,486

PROCESS OF PRODUCING MODIFIED LARD
De Witte Nelson, Elmhurst, and Karl F. Mattil, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 4, 1952, Serial No. 280,668
9 Claims. (Cl. 99—118)

1. A process of treating lard to improve its resistance to deterioration of physical appearance and textural properties, comprising contacting lard with an alkali metal hydride as a crystal modification catalyst at a temperature between the temperature at which the highest melting point constituent of the lard just remains in solution and 170° C. until permanently changing the normal crystallization habit and normal X-ray diffraction pattern of the said treated lard to resemble that of hydrogenated vegetable oil shortening, deactivating the said catalyst, and recovering the crystal modified lard free of the said catalyst.

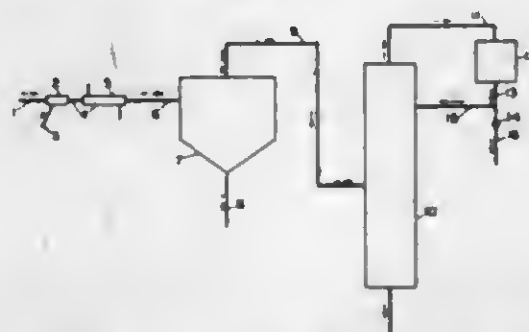
2,625,487

MODIFICATION OF LARD
De Witte Nelson, Elmhurst, and Karl F. Mattil, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 8, 1952, Serial No. 280,814
8 Claims. (Cl. 99—118)

1. A process of treating lard to improve its resistance to deterioration of physical appearance and textural properties, comprising contacting the lard with sodium amide at a temperature between the temperature at which the highest melting point constituent of the lard just remains in solution and 250° C. until permanently changing the normal crystallization habit and normal X-ray diffraction pattern of the said treated lard to resemble that of hydrogenated cottonseed oil shortening, and recovering the crystal modified lard free of the said catalyst.

2,625,488

PROCESSING OF HEAT-SENSITIVE FLUIDS
Theodore Wasserman, San Francisco, and Melvin E. Lazar, Oakland, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
Application June 14, 1950, Serial No. 168,133
4 Claims. (Cl. 99—216)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. A method for stripping the volatile essences from a fruit juice which comprises simultaneously introducing, into a first zone, the liquid juice and steam in the proportion of about 0.1 lb. of steam per lb. of juice for each 100° F. rise in temperature, whereby the increment of steam admitted is substantially the amount required to raise the simultaneously-admitted increment of fruit juice to the temperature desired, maintain-

ing the mixture under turbulent flow conditions and at a temperature of at least 212° F. and under superatmospheric pressure to prevent boiling, the mixture being retained in this first zone for less than one second, immediately discharging the hot mixture through a restricted orifice into a second zone maintained under lower pressure whereby part of the mixture is vaporized, heating the resulting mixture of liquid and vapor under turbulent flow conditions in said second zone by thermal exchange with a hot medium through a heat transfer surface, then discharging the mixture into a third zone to separate the vapor from the liquid, the total time that the juice is subject to heat being less than 2 seconds, separately collecting the vapor which contains the volatile essences and the liquid which constitutes the stripped juice.

2,625,489

WEATHER-RESISTANT CONCRETE
Patrick J. Keating, Jr., Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 13, 1949, Serial No. 87,359
5 Claims. (Cl. 106—96)

1. A wet concrete mix adapted to yield upon hardening concrete of enhanced resistance to freezing and thawing and comprising as essential components Portland cement, aggregate and a paraffin wax emulsion formed by the admixture of water and a wax-soap mixture prepared by the oxidation of paraffin wax to form an oxidized wax product having a saponification number of about 93 and a neutralization number of about 41 and the saponification of said oxidized wax product with alkali metal hydroxide, said wax emulsion being present in a quantity of the order of 0.005–0.014% by weight of the Portland cement content.

2,625,490

SOLUTIONS OF PROTEINS AND THEIR PREPARATION
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1949, Serial No. 88,683
5 Claims. (Cl. 106—153)
1. A solution of a protein in water containing, in a concentration of 20–40%, sodium toluene sulfonate.

2,625,491

STABILIZED WAX COMPOSITION
David W. Young, Roselle, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1949, Serial No. 135,846
8 Claims. (Cl. 106—270)

8. An improved normally solid, light and heat stable petroleum wax composition comprising a substantially colorless petroleum wax, 0.01% to 1% of 2,6 di-*t*-butyl-4-methylphenol as a heat stabilizing agent and 0.01% to 1% of polyethylene glycol di, tri-ricinoleate as a light stabilizing agent in which the polyethylene glycol molecule, prior to esterification, has the formula



where n is an integer from 2 to 10.

2,625,492

SILICA FLATTING AGENT AND A METHOD OF MANUFACTURING IT
Luther Oman Young, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
Application June 8, 1949, Serial No. 97,814
7 Claims. (Cl. 106—308)

1. A non-hard-setting silica flattening agent comprising silica gel impregnated with small amounts of a soluble inorganic fluorine compound, said compound being present as about 0.5 to 1.6%, calculated as fluorine, of the composition.

2,625,493

METHOD OF MANUFACTURING A REFLECTIVE FLUORESCENT SCREEN
Meier Sadowsky, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 17, 1947, Serial No. 742,117
4 Claims. (Cl. 117—33.5)



1. The method of producing a reflective fluorescent screen on a surface of a cathode ray bulb, the method comprising the steps of, applying to the bulb surface a phosphor coating, covering the phosphor coating with a volatile liquid pool, floating onto the surface of the liquid pool above said phosphor screen a film of lacquer dissolved in a volatile solvent immiscible in said liquid, partially drying the lacquer film to an extensible consistency by evaporation of its solvent, tilting the bulb portion about a horizontal axis to bring one edge of the phosphor screen in adherence with the extensible film, continuing the tilting of the bulb portion in the same direction to gradually bring the remainder of the phosphor screen to the surface of the liquid pool, flowing the liquid out from between the phosphor screen and the lacquer film to spread the lacquer film from its attached edge over the phosphor surface, and then completely drying the lacquer film to a hard surface.

2,625,494

HEAT-SENSITIVE RECORDING ELEMENT
Montford Morrison, Upper Montclair, N. J.
No Drawing. Application May 5, 1948, Serial No. 25,312
5 Claims. (Cl. 117—166)

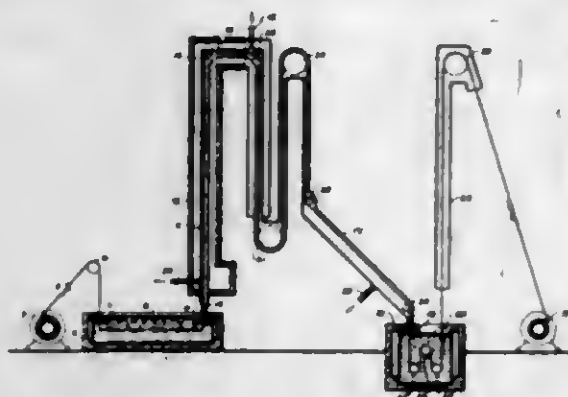
1. A heat sensitive recording element comprising a support having a coating containing a lead carbonate and a thiourea uniformly dispersed in a binder containing a cellulose derivative selected from the organic-liquid soluble members of the group consisting of nitro-esters, the acetyl-esters and the ethers of cellulose.

2,625,495

HIGH-TEMPERATURE CLEANING OF FERROUS METAL
Carroll Cone and Jack Huebler, near Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application June 4, 1948, Serial No. 31,034
10 Claims. (Cl. 134—2)

1. A method of cleaning ferrous metal whose surface carries carbonaceous matter and iron oxides that comprises the step of exposing said metal at a temperature of 670° F.–1700° F. to an

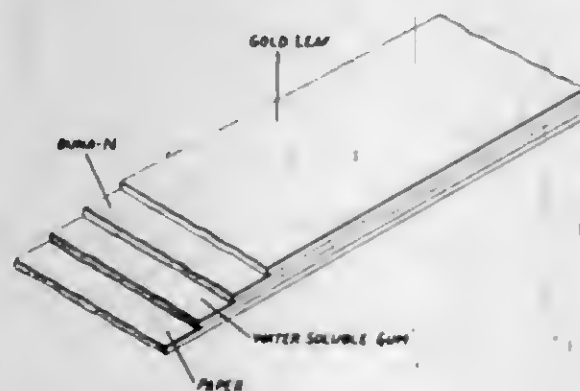
atmosphere that contains both (1) a gas that is oxidizing to carbon and (2) a second gas that is deoxidizing to iron oxides, and so adjusting the length of time of such exposure and the concen-



trations of gas (1) and of gas (2) in the atmosphere during such exposure that substantially complete removal of both the carbonaceous matter and the iron oxides is accomplished simultaneously.

2,625,496

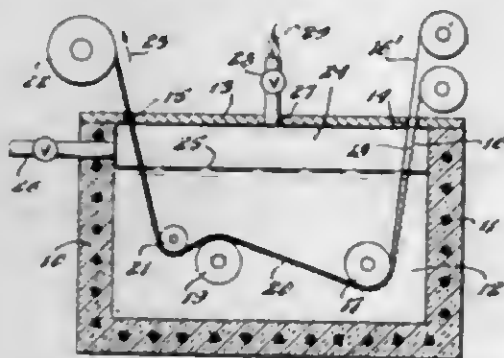
DECALCOMANIA FOR METAL TRANSFERS
Donald D. Swift, West Hartford, and John J. Kohler, Hartford, Conn., assignors to M. Swift & Sons, Inc., Hartford, Conn., a corporation of Connecticut
Application September 30, 1950, Serial No. 187,841
6 Claims. (Cl. 154-46.8)



1. A decalcomania comprising a paper transfer sheet and metal foil held together with an adhesive comprising a layer of water soluble gum and a layer of butadiene-acrylonitrile polymer.

2,625,497

PROCESS OF FUSING THERMOPLASTIC FABRIC SHEETS TO EACH OTHER
Jacques Cadgene, Paterson, N. J.
Application June 17, 1949, Serial No. 99,787
10 Claims. (Cl. 154-75)



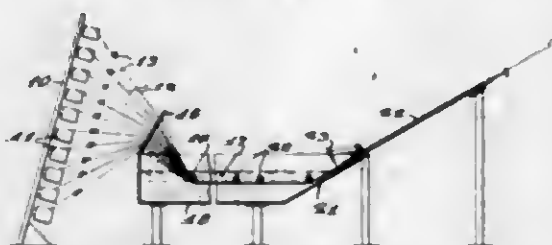
1. Process of fusing to the surface of a first fabric strip a second fabric strip consisting of a plastic material having a melting point below

that of the first fabric strip, said process comprising the steps of continuously inserting said fabric strips while maintaining the same spaced from each other individually into a heated bath of molten metal having a temperature sufficient to plasticize only the plastic material of which said second fabric strip consists, thereby eliminating adhering air from said fabric strips while said strips are maintained spaced from each other in said heated bath of molten metal; continuously moving said fabric strips along a predetermined path in said bath; superimposing said moving fabric strips upon each other within said bath of molten metal so as to fuse said plasticized second fabric strip to said first fabric strip; and continuously withdrawing said fused fabric strips from said bath of molten metal.

2,625,498

METHOD OF MAKING PLASTIC REINFORCED RODS AND BARS

King A. Koch, Evanston, Ill., assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application July 29, 1950, Serial No. 176,559
6 Claims. (Cl. 154-91)

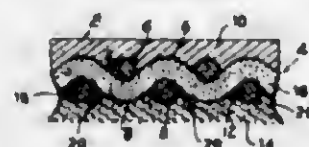


1. The method of producing rods and bars of reinforced plastic which comprises withdrawing a multiplicity of strands of untwisted glass fibers from a source thereof, orienting said strands to form a loose cable thereof, uniting the ends of the strands, drawing the cabled strands through a bath of a low pressure thermosetting resin to coat the individual strands, feeding the coated cable into a mold, severing the strands adjacent the end of the mold, closing the end of the mold to prevent the escape of resin therefrom, curing the resin while the mold is supported in a vertical position, and removing the cured article from the mold.

2,625,499

SURFACED FABRIC AND METHOD OF MAKING SAME

Robert J. Nebesar, Bristol, Tenn., assignor to Universal Moulded Products Corporation, Bristol, Va., a corporation of Delaware
Application November 22, 1949, Serial No. 128,784
2 Claims. (Cl. 154-121)



1. A new article of manufacture comprising a sheet composed of interwoven yarns of fabric having interstices between the yarns, a thermoplastic surfacing resin compound selected from the group consisting of high molecular weight ethylene polymers and high molecular weight monochlorotrifluoroethylenes covering the face of the fabric and penetrating said interstices and gripping the yarns of the fabric without impregnating said yarns, and a fabric impregnating

resin penetrating the yarns throughout the fabric as well as said interstices, whereby the yarns of the fabric are held from substantial relative lateral slippage and separation of the surfacing resin from the body of the fabric is resisted.

2. The method of manufacturing reinforced and surface-protected sheets comprising a base of interwoven yarns of fabric which comprises applying a film of a thermoplastic surfacing resin selected from the group consisting of high molecular weight ethylene polymers and high molecular weight monochlorotrifluoroethylenes to one face of the fabric under heat and pressure adequate to cover the surface of the fabric and penetrate the interstices between, and also grip without impregnating, the fabric yarns and forcing into the other face of the fabric a resin adapted, besides penetrating the interstices between the fabric yarns, to penetrate the yarns throughout the fabric.

2,625,500

PROTECTIVE PREPARATION AGAINST MUSTARD GAS

Joseph N. Loehle, Baltimore, Md., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application July 24, 1942, Serial No. 452,198
4 Claims. (Cl. 167-63)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A preparation in emulsion form adapted to protect the flesh and skin of man and beast against mustard gas, lewisite, and like vesicants, which comprises, dichloramine-T as a vesicant destroying agent, triacetin as an organic solvent for the vesicant destroying agent, mucilago chondri, an aqueous soap mixture, and sodium bicarbonate.

2,625,501

LONG-ACTING MORPHINE INJECTION

Oscar G. Salb, deceased, late of Indianapolis, Ind., by Elizabeth Salb, administratrix, Indianapolis, Ind., assignor to Injectables Research Corporation, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 13, 1949, Serial No. 93,184

2 Claims. (Cl. 167-67)

1. A therapeutic composition for parenteral administration having a suspension of a water-soluble, sedative morphine salt in a semi-solid mixture of sesame oil and low-melting hydrogenated cottonseed oil, in which mixture free fatty acids therein are combined in the form of soap, the said mixture of said oils saponified to a pH of 6 to 7 and melting at a temperature equivalent to human body temperature.

2,625,502

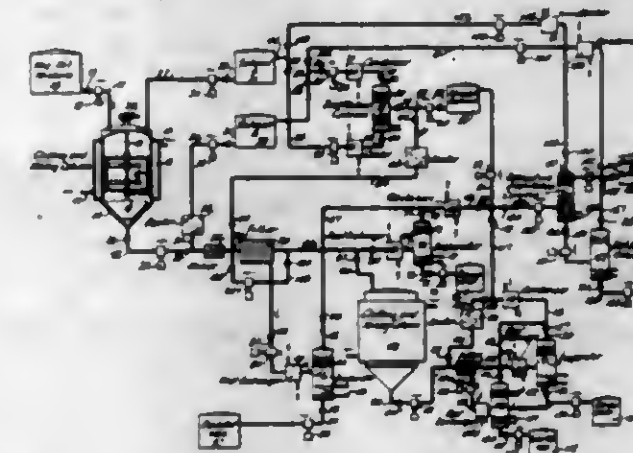
WAX-OIL SEPARATION

Peter Stanley Backlund, Long Beach, and Vance N. Jenkins, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 24, 1948, Serial No. 40,475
18 Claims. (Cl. 196-17)

1. A method of converting a normally crystalline petroleum wax which has been precipitated from an oil-aromatic solvent solution in an unfilterable gelatinous form into a readily filterable form, without changing the temperature, which comprises contacting the gelatinous wax with an amount by volume of a wax anti-solvent at least

as great as about 1 part per 1.5 parts of aromatic solvent, said aromatic solvent consisting essentially of an aromatic hydrocarbon.

15. A process for the separation of high melting point wax from a wax-oil mixture containing both high melting point and low melting point wax which comprises bringing said wax-oil mixture to a state wherein the wax present is substantially completely dissolved in the oil, adding to the wax-oil solution an aromatic solvent consisting essentially of an aromatic hydrocarbon from which wax separates on cooling in an unfilterable gelatinous form, cooling said solvent-

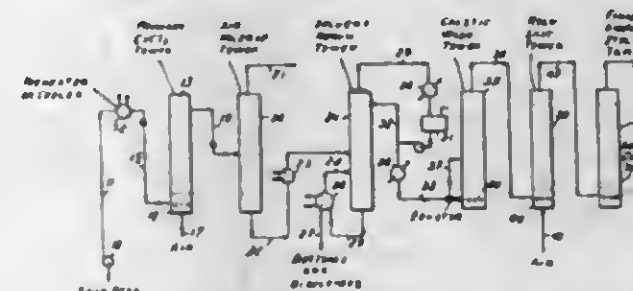


wax-oil mixture to a temperature in the range of about 75° F. to about 25° F., adding to the chilled mixture a wax anti-solvent which has been precooled to substantially the same temperature as the chilled solvent-wax-oil mixture to convert gelatinous wax into wax of a readily filterable physical form and separating said readily filterable wax from the solvent solution of oil containing low melting point wax, the volume ratio of wax anti-solvent to aromatic solvent being between 0.67 and 10 to 1.

2,625,503

CHEMICAL REFINING OF LIGHT OIL DISTILLATES

Frank A. Appar, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application April 15, 1950, Serial No. 156,209
4 Claims. (Cl. 196-30)



1. In a process for sweetening mercaptan-sour light mineral oil distillates by treatment with copper chloride to convert mercaptans to disulfides followed by distillation of the treated stock wherein disulfides have dissociation temperatures below the end point of the finished stock, the improvement which comprises adding about 8 to about 20% by weight on the treated distillate charge to the distillation step of high boiling hydrocarbons in the distillate to provide a bottoms fraction in the distillation step boiling above the specification end point of the distillate and continuously removing said bottoms fraction containing disulfides during the distillation step in an amount of at least about 8% by weight on the treated distillate charge to the distillation step.

2,625,504

CATALYTIC REFORMING PROCESS AND CATALYST THEREFOR

Vladimir Haensel, Hinsdale, Ill., and Curtis F. Gerald, Woodinville, Wash., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 28, 1951.

Serial No. 218,066

13 Claims. (Cl. 196—50)

1. A process for reforming a gasoline fraction which comprises subjecting said fraction to contact at reforming conditions with a catalyst comprising alumina, boron oxide and from about 0.01% to about 2% by weight of a metal selected from the group consisting of platinum and palladium.

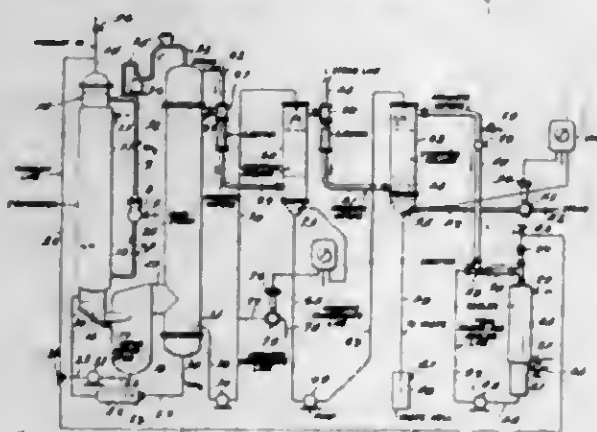
2,625,505

METHOD AND APPARATUS FOR RECOVERING VOLATILE FLAVORING MATERIAL

Joseph A. Cross, Westerville, Ohio, assignor to Mojonier Bros. Co. Inc., Chicago, Ill., a corporation of Illinois

Application June 9, 1950, Serial No. 167,119

11 Claims. (Cl. 202—52)



1. A method of separating and recovering specific volatile constituents from an aqueous solution thereof comprising evaporating from the solution a quantity of vapor containing substantially all of said volatile constituents admixed with aqueous vapor produced by such evaporation, segregating said vapor mixture and immediately condensing the greater portion thereof, thereafter withdrawing the uncondensed vapors and non-condensable gases by means of a steam ejector and utilizing the output of that ejector for stripping said volatile constituents from said condensed vapors, and collecting the stripped volatile constituents together with said non-condensable gases and absorbing them into a relatively small quantity of cooled liquid by direct admixture therewith while in the gaseous state.

2,625,506

WATER HEATER AND STILL

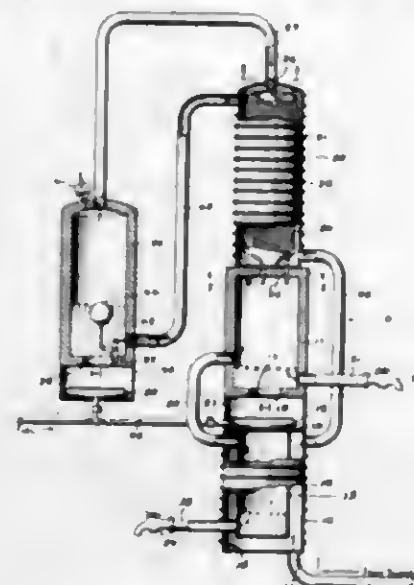
Alvin Webster Baer, Jr., Santa Monica, Calif.

Application June 16, 1948, Serial No. 33,258

1 Claim. (Cl. 202—196)

A device of the character described, comprising a boiler having a low water level therein, a hot water tank, a cold water tank positioned immediately below and in line with the hot water tank and a condensing unit positioned immediately above and in line with the hot water tank, a conduit connecting said boiler to said condensing unit, to conduct steam from said boiler to said unit, condenser coils in said condensing unit, and the lower ends of the coils terminating within the hot water tank and the upper ends of the coils terminating in the conduit connecting said boiler

to said condensing unit, a conduit connecting said boiler below the low level water mark to said condensing unit, to conduct cold water to said boiler, a conduit connecting said condenser unit to said cold water tank for the cooling of said condenser, a storage tank in said cold water tank, a conduit connecting said hot water tank with the storage tank in said cold water tank to con-



duct water from said hot water tank to said storage tank, outlet means for said storage, hot water tanks and heating means for said boiler and said hot water tank, relatively spaced annular cooling ribs on said cold water tank and said condensing unit, and a float controlled valve mounted in the conduit connected to the boiler from the condensing unit below the low water level in said boiler.

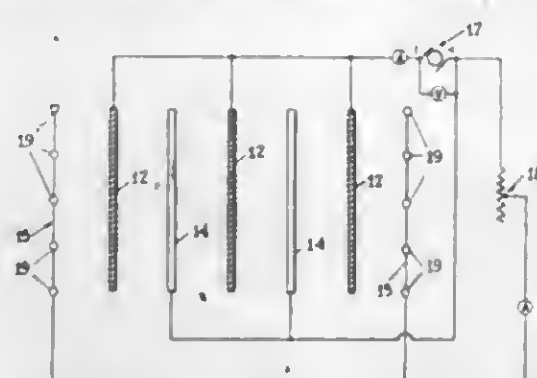
2,625,507

METHOD OF ELECTRODEPOSITING NICKEL

Stuart A. Mayper, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application October 16, 1945, Serial No. 622,636

2 Claims. (Cl. 204—10)



1. A method of producing finely divided nickel having a mean particle size between 7 and 15 microns which comprises providing a solution containing nickel, ammonium and sodium ions in the respective approximate proportions of 0.1 to 1.0 to 1.0, providing a nickel anode and an inert anode in said solution, maintaining a cathode current density from 0.05 to 0.30 ampere per square centimeter on a cathode in said solution for a time interval between 15 minutes and 3 hours, maintaining the nickel ion concentration approximately constant by adjusting the total anode current so that the ratio of current carried by said nickel anode to that carried by said insoluble anode is between 2.5 and 1.5 to 1, and maintaining the pH of said solution between 2 and 6 inclusive.

2,625,508

WATER RESISTANT GREASE

Fred H. Stross, Berkeley, Calif., assignor to Shell Development Company, Emeryville, Calif., a corporation of Delaware

No Drawing. Application February 13, 1951,

Serial No. 210,799

13 Claims. (Cl. 252—21)

6. A non-aqueous lubricating composition comprising a major amount of a lubricating oil as the essential liquid phase having dispersed there-through an anhydrous preferentially water wettable inorganic gel in a colloidal state capable of forming a grease with said lubricant and a minor amount based on the inorganic gel of a hydrophobic metallic soap of a soap forming organic acid, the amount of said soap being at least sufficient to provide a mono-molecular layer on the surfaces of the gel.

2,625,509

CUTTING FLUID AND COOLANT

Ernst Laug, Union City, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application March 20, 1950,

Serial No. 150,823

3 Claims. (Cl. 252—34.7)

1. An aqueous emulsion-form coolant and lubricant composition of matter produced by compounding together

	Weight percent
Potassium soaps of castor oil fatty acids	17 to 20
Triethanolamine soaps of castor oil fatty acids	2 to 5
Triethanolamine phosphate	8 to 13
Water soluble polyalkylene glycols	3 to 5
Rust inhibitive salts of sodium	2.25 to 4
Phenol germicide	1 to 1.5
Water	To balance

100.0

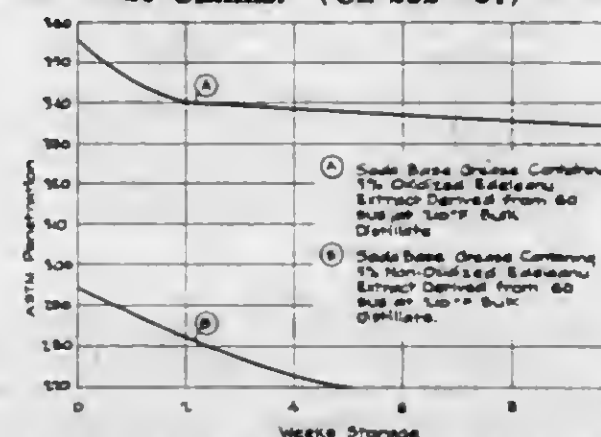
2,625,510

LUBRICATING GREASE COMPOSITION

Robert J. Moore, Oakland, Calif., assignor to Shell Development Company, Emeryville, Calif., a corporation of Delaware

Application October 25, 1951, Serial No. 253,110

20 Claims. (Cl. 252—37)



4. A lubricating grease comprising a major amount of a mineral oil having a viscosity index greater than 40, a minor amount of a soap to thicken the oil, and from about 1% to about 20% by weight of an oxidized petroleum aromatic extract fraction obtained by solvent treatment of a petroleum distillate having a viscosity of 60 SUS at 210° F., said aromatic extract fraction having an aniline point between 25 and 75° C., said oxidized solvent fraction having been formed by exposure of the fraction and the grease forming components to air during grease forming operations at a temperature between about 175° F. and about 410° F.

2,625,511

ANTICORROSION AGENTS AND COMPOSITIONS COMPRISING THE SAME

Albert G. Rocchini, Springdale, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application November 30, 1948,

Serial No. 62,790

10 Claims. (Cl. 252—47.5)

1. An improved hydrocarbon oil composition comprising a major amount of a hydrocarbon oil and a minor amount of a nitrogen-containing compound selected from the group consisting of the amides and imides of substituted succinic acids having a substituent in the aliphatic chain, selected from the group consisting of the alkylthio and arylthio radicals, and an organic amine having only one amino group containing an N-hydrogen atom, the amount of said nitrogen-containing compound being sufficient to impart corrosion-inhibiting properties to said composition.

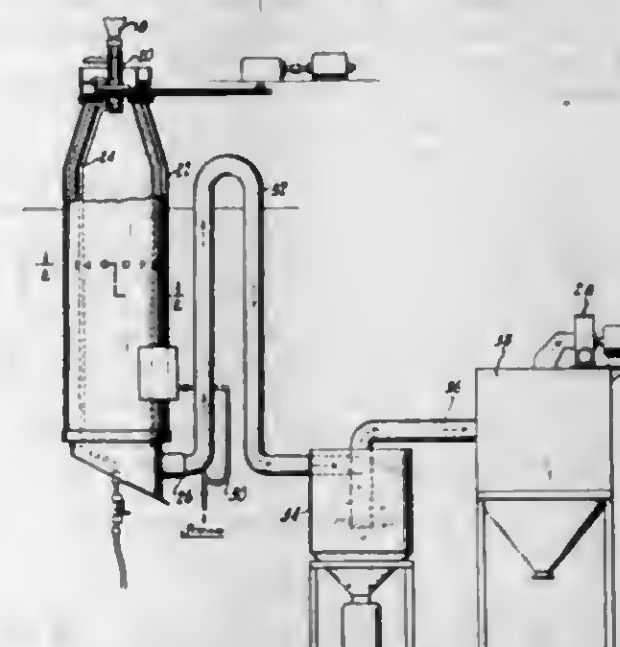
2,625,512

EXPANDED PERLITE INSULATION AND METHOD OF MANUFACTURE

Edward R. Powell, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application April 29, 1948, Serial No. 24,063

3 Claims. (Cl. 252—62)



3. A process of manufacturing loose fill insulation material which comprises, flash heat expanding finely divided perlite while dispersed in hot gas suspension, partially cooling the gas suspension of heat expanded particles and mixing therewith a fog dispersion of water repellent bituminous high melting point binder whereby fine films of the binder material are deposited on the surfaces of the perlite particles, and agitating and further cooling the gas suspension to agglomerate the particles and to solidify the binder films.

2,625,513

NONCAKING DETERGENT COMPOSITIONS

Hans George Kirschenbauer, Allendale, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application November 22, 1949,

Serial No. 128,907

21 Claims. (Cl. 252—131)

1. A substantially non-caking, free-flowing, non-abrasive detergent composition in particulate form consisting essentially of organic detergent

in granular form admixed with a synthetic hydrated magnesium silicate material in powdered form, said silicate material having a ratio of MgO to SiO_2 of about 1:2 to about 1:3 in a minor amount up to about 20% by weight of said detergent composition and active to maintain the same in a substantially non-caking, free-flowing, particulate form.

2,625,514

NONCAKING ABRASIVE DETERGENT COMPOSITIONS

Hans George Kirschenbauer, Allendale, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application December 24, 1949,
Serial No. 135,039

19 Claims. (Cl. 252-131)

13. An essentially abrasive detergent composition in particulate form consisting essentially of a water insoluble siliceous abrasive material, a minor amount up to about 15% by weight of soap and up to about 20% by weight of a synthetic hydrated magnesium tri-silicate material active to minimize the caking tendency of said composition under adverse conditions.

2,625,515

CLEANING COMPOSITION

George G. Wittwer, Chappaqua, N. Y., assignor to W-B Chemical Company, Inc., Mount Vernon, N. Y., a corporation of New York
No Drawing. Application January 17, 1948,
Serial No. 2,959

5 Claims. (Cl. 252-137)

1. An aqueous detergent gel comprising in the proportions by weight: sodium oleyl methyl tauride about 3.7 to 13.2%, tetrapotassium pyrophosphate 3 to 14%, a grease solvent selected from the group consisting of 2-o-toloxymethanol about 0.31 to 1.36% and benzyl alcohol 0.32 to 1.45% and mixtures thereof, and diethylene glycol mono butyl ether about 0.1 to 1.35%, the remainder being substantially water, said gel having a viscosity of from 1600 to 4500 centipoises at 118° F.

2,625,516

DESICCANT

George D. Metzger, Cincinnati, and William Licht, Jr., Mariemont, Ohio
No Drawing. Application September 13, 1950,
Serial No. 184,715

5 Claims. (Cl. 252-194)

1. A granular desiccant composed of granules each consisting essentially of anhydrous calcium sulphate having a coating thereon of an alkali metal silicate, the weight of the coating being about 4% to 7% by weight of the desiccant and being sufficient to prevent dusting of the granules.

2,625,517

COAGULATION OF OIL EMULSIONS WITH CELLULOSE SULFATE

John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 19, 1951,
Serial No. 252,195

6 Claims. (Cl. 252-332)

1. A method of coagulating oil-in-water emulsions which comprises adding thereto a water soluble salt of cellulose sulfate in a proportion of 0.01-5%, based on the weight of the oil phase

under conditions whereby the aqueous portion of the emulsion contains the cellulose sulfate salt in solution therein.

2,625,518

ODORANT FOR GASEOUS FUELS

Howard B. Pollock, San Francisco, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 6, 1950,
Serial No. 194,385

3 Claims. (Cl. 252-408)

1. An odorant for gaseous fuels consisting essentially of approximately equal parts by weight of a volatile oil having a total sulfur content above 2% by weight and a distillation range between 100° F. and about 400° F. produced by decomposing acid sludge formed during the treatment of a sulfur-bearing mineral oil with sulfuric acid to separate an oil phase and distilling said oil phase, and tetrahydrothiophene, said odorant being characterized by the capacity to effectively odorize a gaseous fuel when employed at concentrations below 2 pounds per million cubic feet of gas.

2,625,519

OXIDATION CATALYSTS

Martval John Paul Hartig, Glen Ridge, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 7, 1950,
Serial No. 148,270

2 Claims. (Cl. 252-432)

1. A precipitated oxide catalyst for the oxidation of organic compounds in the vapor phase consisting essentially of molybdenum oxide combined with a basic metal oxide from the group consisting of oxides from cobalt and nickel, together with an acidic promoter, said promoter being an oxide of an element of the class consisting of boron, phosphorus, and vanadium, the proportion of acidic promoter calculated on the weight of the said element being 0.1% to 15% of the weight of the said catalyst, the basic metal oxide component of the catalyst being the precipitate formed by precipitation of the said basic metal as molybdate from an aqueous medium containing an amount of molybdenum in the form of molybdate stoichiometrically in excess of the amount of the said basic metal, the atomic ratio of the basic metal to molybdenum in the precipitated catalyst being from .90:1 to .62:1.

2,625,520

OXYGEN AND PEROXIDE TREATMENT OF ESTERS OF INORGANIC SILICON OXY ACIDS

John B. Rust, East Hanover, N. J., and Charles A. MacKenzie, New Orleans, La., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application February 25, 1948,
Serial No. 10,944

28 Claims. (Cl. 260-2)

1. The method of preparing polymeric organo silicon derivatives which comprises heating above 100° C. but below its boiling point a saturated ester of a mono-hydroxy compound with an inorganic silicon-oxy acid while blowing dry oxygen containing gas through the ester maintained in liquid condition, for a period of less than 24

hours, the heat treatment including blowing and peroxide treatments, the blowing increasing the viscosity of the material undergoing treatment, the peroxide being used in catalytic amount, the heat treatment producing a polymeric organo silicon derivative.

2,625,524

VISCOUS UREA-FORMALDEHYDE COMPOSITIONS AND METHOD FOR PREPARING THE SAME

Hamline Monroe Kvalnes, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 28, 1951,
Serial No. 263,520

4 Claims. (Cl. 260-29.4)

1. A process for preparing a urea-formaldehyde partially polymerized liquid composition which comprises adding urea to a clear, liquid, aqueous polymethylol urea composition having a total free and combined formaldehyde: urea ratio of 4:1 to 6:1, a mol ratio of combined to free formaldehyde within the range of 1:1 to 3:1, and having a urea-formaldehyde content including the free and combined urea and formaldehyde in the range of 60% to 75%, at a pH of 3.0 to 9.5, until the total free and combined formaldehyde: urea mol ratio is in the range of 1.8:1 to 3:1, maintaining the resulting mixture at the said pH at a temperature of 25° to 110° C., said temperature being however not in excess of 80° C. when the pH is below 5.0 until the free formaldehyde concentration decreases to a constant equilibrium value, and thereafter heating the mixture at a pH in the range of 3.0 to 6.9 at a temperature in the range of 80° to 110° C., said temperature being however not less than 90° C. when the pH is within the range of 6.5 to 6.9, until its viscosity is within the range of 40 to 3600 centipoises.

4. A clear liquid partially polymerized methylol-urea composition having a pH of 7 to 9, a viscosity of 100 to 1000 centipoises, a total formaldehyde: urea mol ratio of 2.2 to 2.5, a urea-formaldehyde content of 65 to 75%, a free formaldehyde content of 2 to 6%, the remainder of the mixture consisting substantially entirely of water, said composition being further characterized in that it remains clear on storage for a period of over 6 months.

2,625,522

SEALING COMPOUND

Albert C. Fischer and William H. Walker, Chicago, Ill.; said Walker assignor to said Fischer; Wallace C. Fischer and Cecile G. Fischer, executors of said Albert C. Fischer, deceased, assignors to Serviced Products Corporation, a corporation of Illinois
No Drawing. Application October 29, 1949,
Serial No. 124,507

4 Claims. (Cl. 260-23.3)

1. A sealing compound comprising, by weight, 26 to 35% of a polymerized vegetable oil, 35 to 45% of a coumarone-indene resin that is soft and plastic at 0° F., 16 to 25% of a residual asphalt oil and finely-divided fillers.

2,625,523

POLYMER COMPOSITION AND PROCESS OF PREPARING SAME

John D. Garber and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 17, 1945,
Serial No. 605,631

3 Claims. (Cl. 260-23.7)

1. A surface coating composition comprising in combination a heat-bodied solid, hydrocarbon soluble, hard, low elongation polymer of a major proportion of butadiene with a minor significant proportion of isooctene prepared by the action of a Friedel-Crafts catalyst at a temperature between +10° C. and -40° C.,

10. A latex comprising a finely divided resinous material present as a stable dispersion in an aqueous medium, prepared by emulsifying a monoolefinic organic compound and from 0.3 to 15 per cent of a polybutadiene based on the weight above said monoolefinic compound and having a molecular weight of 500, and a viscosity at 100° F. below 10,000 Saybolt furol seconds in an aqueous medium, in an emulsion of the oil-in-water type, and in the presence of sulfur dioxide in an amount stoichiometrically in excess of said monoolefin organic compound, and inter-reacting said sulfur dioxide, said polybutadiene and said monoolefin organic compound while in said aqueous medium.

2,625,526

**POLYVINYLCHLORIDE-DIENENITRILE-
POLYESTER COMPOSITION**

William J. Sparks, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 23, 1947,

Serial No. 763,156

4 Claims. (Cl. 260—31.6)

1. A product comprising a major proportion of a mixture of the butadiene acrylonitrile synthetic rubber made with about 15 to 45% by weight of acrylonitrile, and polyvinyl chloride, having also homogeneously admixed therewith a high molecular weight linear polyester condensation product of a dimerized linoleic acid and ethylene glycol, said polyester having an average molecular weight of at least 2,000, the proportions of said ingredients being about 10 to 100 parts by weight of the synthetic rubber and about 20 to 50 parts by weight of the polyester, per 100 parts by weight of the polyvinyl chloride.

2,625,527

ALKYL ESTERS AND PLASTIC COMPOSITIONS COMPRISING SAME

Paul V. Smith, Jr., Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 4, 1949,

Serial No. 91,424

1 Claim. (Cl. 260—31.8)

A composition of matter comprising 100 parts of a resinous copolymer of 95% vinyl chloride and 5% of vinyl acetate, 30 to 60 parts of a neutral ester of phthalic acid esterified with a mixture of branched chain primary aliphatic alcohols obtained by hydrogenating the product obtained by reacting a mixture of C-7 olefins with carbon monoxide and hydrogen at a temperature between 250 and 470° F. and pressures between 150 and 400 atmospheres, consisting essentially of 25 to 40% of 2-methyl-3 ethyl pentanol-1 and 2-isopropyl-pentanol-1, 15 to 25% of 2-isopropyl-3-methyl butanol-1, 5 to 10% of 2,5-dimethyl hexanol-1, 5 to 10% of 3,4-dimethyl hexanol-1, 5 to 10% of 3,4,4-trimethyl pentanol-1, 0 to 15% of C₈ alcohols and 0 to 15% of C₇ alcohols.

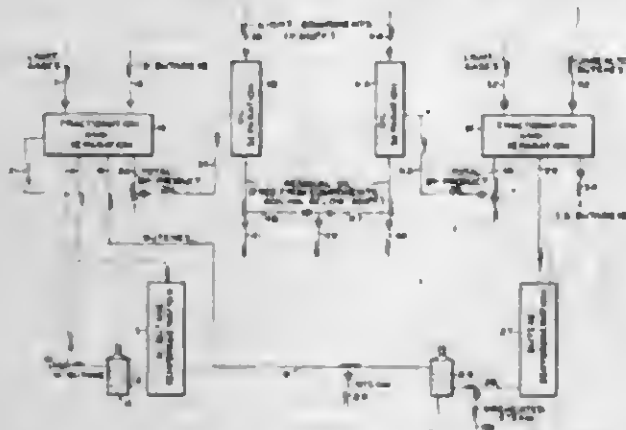
2,625,528

PROCESSING OF SULFUR-VULCANIZABLE MATERIALS, AND RELATED COMPOSITIONS

William T. Cooper, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 6, 1951, Serial No. 219,708

17 Claims. (Cl. 260—33.6)



1. A method for increasing the plasticity of a rubbery sulfur-vulcanizable organic plastic sub-

stance containing unsaturated carbon-to-carbon bonds, comprising incorporating with 100 parts by weight of such an organic plastic substance from 1 to 50 parts by weight of a total residual oil by-product of catalytic dehydrogenation of a C₄ hydrocarbon at a temperature within the range of 1000–1300° F. to produce a less saturated C₄ hydrocarbon, said total oil being freed of all components boiling below 300° F. as measured at atmospheric pressure.

2,625,529

METHOD OF CONDITIONING SOILS

Ross M. Hedrick and David T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 12, 1952,

Serial No. 271,280

19 Claims. (Cl. 260—41)

1. The method of improving the tilth of surface soils normally subject to slaking or erosion, which comprises incorporating in the soil in the presence of soil moisture from 0.001 to 2.0 per cent based in said soil of a synthetic water-soluble polyelectrolyte having a weight average molecular weight of at least 10,000 and having a structure derived by the polymerization of at least one monoolefinic compound through the aliphatic unsaturated group, said structure being substantially free of cross-linking.

2,625,530

SYNTHETIC RESINS

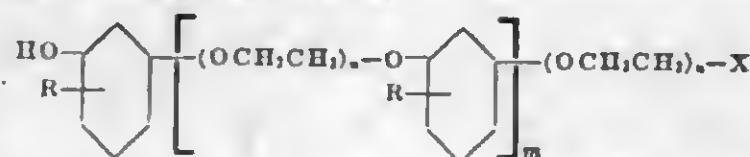
George L. Doelling, St. Louis, and Kenneth H. Adams, Fenton, Mo., assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo., a corporation of Missouri

No Drawing. Application April 30, 1949,

Serial No. 90,762

13 Claims. (Cl. 260—43)

1. A substantially insoluble heat-hardened resin comprising the product of reaction under heat and in the presence of a substance selected from the group consisting of formaldehyde and a formaldehyde-yielding substance of from approximately 10 parts to approximately 90 parts by weight of a heat-hardenable phenol-formaldehyde composition from approximately 90 parts to approximately 10 parts by weight of an ether resin having the formula:



in which n is an integer not less than 4 and not greater than approximately 30, m is an integer from approximately 2 to 10, X is a halogen selected from the group consisting of chlorine and bromine, and R is selected from the group consisting of lower alkyl and acyl radicals and hydrogen.

2,625,531

ISOCYANATE MODIFIED POLYMERS

Nelson V. Seeger, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 29, 1950,

Serial No. 187,695

14 Claims. (Cl. 260—45.4)

1. The elastomeric reaction product resulting from the reaction of a mixture comprising: A, a polyester prepared from bifunctional ingredients including at least one dibasic carboxylic acid

containing at least 3 carbons and at least one glycol, said polyester having a hydroxyl number from 30 to 140 and an acid number from 0 to 12, and B, at least one bifunctional additive selected from the group consisting of diamines, amino alcohols, dibasic carboxylic acids, amino carboxylic acids, hydroxy carboxylic acids, and the ureas, guanidines, and thioureas containing a primary amino group, said bifunctional additive containing at least one reactive group selected from the group consisting of primary amino and carboxyl, said bifunctional additive being used in an amount such that the total number of $-\text{NH}_2$ and $-\text{COOH}$ equivalents present in said bifunctional reactant shall be from 0.06 to 0.24 equivalent per mol of polyester, and C, at least one diisocyanate selected from the group consisting of hexamethylene diisocyanate, and tetramethylene diisocyanate, the diisocyanate being used in an amount equal to the sum of from 1.00 mol to 1.20 mols of diisocyanate per mol of polyester and the molar amount of diisocyanate equivalent to the mols of said bifunctional additive used.

2,625,532

ISOCYANATE MODIFIED POLYMERS

Nelson V. Seeger, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 29, 1950,

Serial No. 187,696

18 Claims. (Cl. 260—45.4)

1. The elastomeric reaction product resulting from the reaction of a mixture comprising: A, a polyester prepared from bifunctional ingredients including at least one dibasic carboxylic acid containing at least 3 carbons and at least one glycol, said polyester having a hydroxyl number from 40 to 100 and an acid number from 0 to 7, and B, at least one bifunctional additive selected from the group consisting of diamines, amino alcohols, dibasic carboxylic acids, amino carboxylic acids, hydroxy carboxylic acids, and the ureas, guanidines, and thioureas containing a primary amino group, said bifunctional additive containing at least one reactive group selected from the group consisting of primary amino and carboxyl, said bifunctional additive being used in an amount such that the total number of $-\text{NH}_2$ and $-\text{COOH}$ equivalents present in said bifunctional reactant shall be from 0.06 to 0.46 equivalent per mol of polyester, and C, at least one diisocyanate selected from the group consisting of 4,4'-diphenyl diisocyanate, 4,4'-diphenylene methane diisocyanate, dianisidine diisocyanate, 4,4'-tolidine diisocyanate, 1,5-naphthalene diisocyanate, 4,4'-diphenyl ether diisocyanate, and p-phenylene diisocyanate, the diisocyanate being used in an amount equal to the sum of from 0.70 mol to 0.99 mol of diisocyanate per mol of polyester and the molar amount of diisocyanate equivalent to the mols of said bifunctional additive used.

2,625,533

VINYL COMPOSITIONS STABILIZED AGAINST CHANGES IN COLOR

Francis J. Williams, Port Washington, and John G. Hendricks, Brooklyn, N. Y., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 2, 1948,

Serial No. 12,657

3 Claims. (Cl. 260—45.75)

1. A vinyl chloride resin composition characterized by color stability at elevated temperature

568 O. G.—37

when formed into sheets of substantial thickness containing from .5% to 15% hydrous tribasic lead sulfate.

2,625,534

RESINS AND PROCESS FOR PRODUCING SAME FROM REACTION PRODUCTS OF HYDROXY AROMATIC ALDEHYDES AND MERCAPTANS

Ralph B. Thompson, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application June 13, 1950,

Serial No. 167,911

16 Claims. (Cl. 260—48)

1. A process for preparing a resin which comprises heating the reaction product formed by reacting a hydroxy aromatic aldehyde having a hydroxy group attached to a ring carbon atom and ethyl mercaptan in the presence of an acidic catalyst, said heating being at a temperature and for a time sufficient to resinify said reaction product.

2,625,535

ELASTOMERIC DIISOCYANATE MODIFIED POLYESTERS

Thomas G. Mastin, Akron, and Nelson V. Seeger, Silver Lake, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 29, 1952,

Serial No. 312,161

18 Claims. (Cl. 260—75)

2. The elastomeric reaction product of: A, a material prepared from bifunctional ingredients including at least one dibasic carboxylic acid and at least one complementary bifunctional reactant selected from the group consisting of glycols, amino alcohols, and diamines, the hydrogen-bearing amino groups of the amino alcohol and diamine being present in an amount not to exceed 7.5% of the total number of hydrogen-bearing amino groups and hydroxyl groups present, said material having a hydroxyl number from 40 to 100 and an acid number from 0 to 7, and B, at least one diisocyanate selected from the group consisting of 4,4'-diphenyl diisocyanate, 4,4'-diphenylene methane diisocyanate, dianisidine diisocyanate, 4,4'-tolidine diisocyanate, 1,5-naphthalene diisocyanate, 4,4'-diphenyl ether diisocyanate, and p-phenylene diisocyanate, the diisocyanate being used in an amount ranging from 0.70 to 0.99 mol per mol of said material.

2,625,536

NEUTRAL ESTERS OF DICARBOXYLIC ACID ORTHOPHOSPHORIC ACID MIXED ANHYDRIDES AND CONDENSATION POLYMERIZATION PROCESS UTILIZING THE SAME

James Emory Kirby, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 5, 1951,

Serial No. 224,850

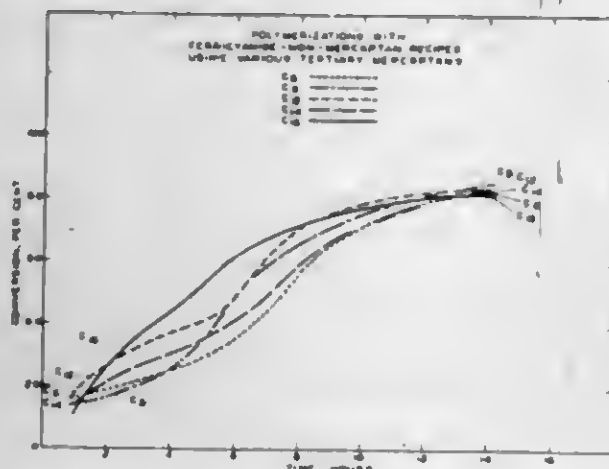
13 Claims. (Cl. 260—75)

7. A process for the preparation of linear polyamides which comprises reacting a diamine whose only Zerewitinoff active hydrogen is hydrogen on each amino nitrogen at a temperature of -10 to $+70^\circ\text{C}$. with a neutral monohydric alcohol ester of a mixed anhydride wherein each carboxyl of a dicarboxylic acid of at least six chain carbons is anhydridized with a molecule of orthophosphoric acid in which ester both hydroxyls of each phosphoric acid moiety of the mixed anhydride are esterified.

2,625,537

**DIAZOTHIOETHERS IN EMULSION
POLYMERIZATION**

Izaak M. Kolthoff and Wesley J. Dale, Minneapolis, Minn., assignors to Phillips Petroleum Company, a corporation of Delaware
Application June 2, 1947, Serial No. 751,954
14 Claims. (Cl. 260-84.1)



1. In the polymerization of a monomeric material comprising a major amount of 1,3-butadiene and a minor amount of styrene in an aqueous emulsion to produce a synthetic rubber, the improvement which comprises conducting said polymerization at a polymerization temperature between about 0° C. and about 50° C. in the presence of a composition comprising 0.05 to 2 parts of a diazo thioether having the formula

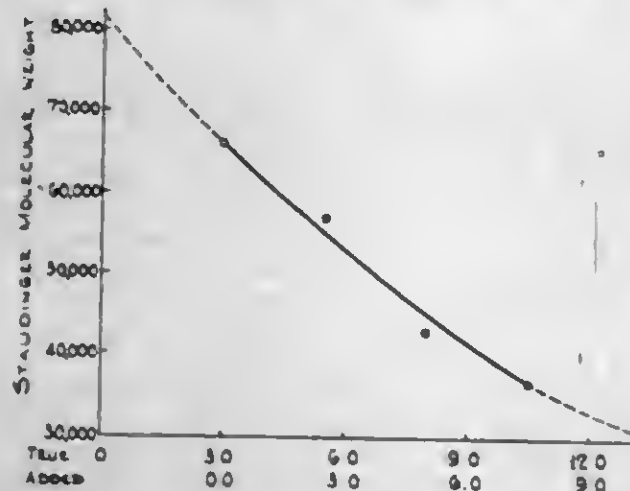


where R is a member of the class consisting of aromatic radicals and R' is a member of the class consisting of aromatic, cycloalkyl and aliphatic radicals, 0.03 to about 1 part of a water-soluble ferricyanide, 0.05 to 1.4 parts of an alkyl mercaptan having from about six to sixteen carbon atoms per molecule, all being parts by weight per 100 parts of monomeric material.

2,625,538

CONTROLLED POLYMERIZATION PROCESS

William J. Sparks, Westfield, and Joseph F. Nelson, Clark Township, Union County, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 8, 1951, Serial No. 230,648
14 Claims. (Cl. 260-85.3)



1. In a polymerization process for the polymerization of mixtures of isobutylene with a conjugated diolefin having from 4 to 6 carbon atoms per molecule at temperatures ranging from -40° to -164° C. by the application thereto of a dissolved Friedel-Crafts catalyst, the step of modi-

fying the course of the polymerization and thereby controlling the molecular weight characteristics of the polymer product by carrying out the polymerization in the presence of controlled amounts of from .001% to 15% by weight, based on the polymerizable olefins, of a modifier consisting of a mono-olefin having from 4 to 16 carbon atoms per molecule and having a lower tendency to polymerize than does isobutylene.

2,625,539

**HOMOPOLYMERIZATION OF VINYL
CHLORIDE IN AQUEOUS MEDIUM**

Vernon L. Folt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 2, 1949, Serial No. 96,816
4 Claims. (Cl. 260-92.8)

1. The method which comprises preparing an aqueous medium containing only monomeric vinyl chloride, water and a catalyst-activator combination consisting of a peroxygen compound and a material ionizable to yield silver ion and selected from the class consisting of silver nitrate, silver sulfate, silver acetate, silver chlorate, and silver lactate, said latter material being present in an amount sufficient to provide a concentration of silver ions equivalent to that produced by a concentration of silver nitrate in the range of 0.04 to 0.4% by weight based on the vinyl chloride, and agitating said aqueous medium at a temperature of 0 to 100° C. to effect polymerization of the vinyl chloride.

2,625,540

WOOD ROSIN REFINING PROCESS

Chester C. Crawford, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 18, 1947, Serial No. 769,312
11 Claims. (Cl. 260-108)

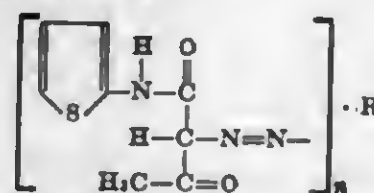
1. A continuous process for refining wood rosin which comprises dissolving one part of said rosin in from 1 to 20 parts by weight of a highly branched paraffinic hydrocarbon solvent prepared by the alkylation of isobutane with butene, said solvent boiling in the range between 205 and 235° F., and having an aniline point above 165° F. and a kauri butanol value under 30; treating the resulting solution with furfural, whereby the furfural removes color bodies from the solution, and recovering the rosin from the treated solution.

2,625,541

AZO DYES FROM 2-AMINOTHIOPHENE

Robert Sidney Long, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 19, 1950, Serial No. 191,082
6 Claims. (Cl. 260-152)

1. The water insoluble azo compounds having the following formula:



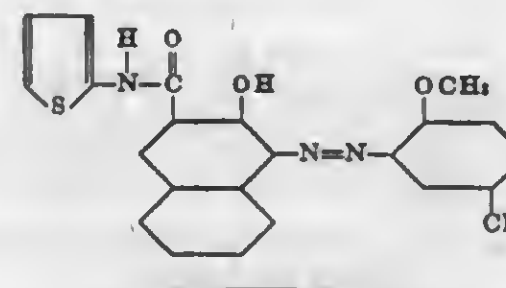
wherein R is an aromatic carbocyclic radical free of water solubilizing groups and n is a positive integer less than 3.

2,625,542

AZO DYES FROM 2-AMINOTHIOPHENE

Robert Sidney Long, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 19, 1950, Serial No. 191,084
8 Claims. (Cl. 260-152)

7. The water insoluble azo compound having the following formula:



2,625,543

PENICILLIN HISTIDINE

Simon L. Ruskin, New York, N. Y.
No Drawing. Original application May 25, 1945, Serial No. 595,885. Divided and this application March 27, 1952, Serial No. 278,968
1 Claim. (Cl. 260-239.1)

Penicillin histidine.

2,625,544

PREPARATION OF AMMONIUM PENICILLIN

Erwin Schwenk and Gerhard Adalbert Fleischer, Montclair, N. J., assignors, by mesne assignments, to the Attorney General of the United States
No Drawing. Application January 6, 1942, Serial No. 425,746
4 Claims. (Cl. 260-239.1)

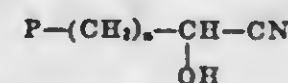
1. Process for the extraction of penicillin from culture media containing the same, comprising filtering the culture medium, acidifying the same and saturating the liquid with a soluble salt, extracting the mixture with chloroform, treating the chloroform extract with a buffer solution capable of maintaining the pH value between 6 and 8, acidifying the buffer extract and saturating the same with a soluble salt, extracting the mixture with chloroform, drying and concentrating the chloroform extract, adding dry benzene thereto, introducing dry ammonia gas into the mixture and separating the ammonium salt of penicillin.

2,625,545

STERIOD-ALDEHYDE CYANOHYDRINS

Robert H. Levin and A. Vern McIntosh, Jr., Kalamazoo, Mich., and Albert P. Centolella, Elkhart, Ind., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application July 18, 1949, Serial No. 105,454
9 Claims. (Cl. 260-239.55)

1. A cyanohydrin of a steroid side-chain aldehyde, represented by the formula:



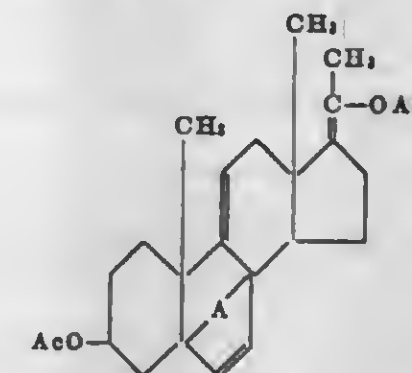
wherein P represents a steroid nucleus selected from the group consisting of pregnane, pregnene, pregnadiene, pregnatriene nuclei, which is attached to the side-chain at the 20-position, and n is an integer from zero to two, inclusive.

2,625,546

**3,20-DIACYLOXY-5,7,9(11),17(20)-
PREGNATETRAENE ADDUCTS**

Robert H. Levin, A. Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 9, 1950, Serial No. 184,111
6 Claims. (Cl. 260-239.55)

1. A 3,20-diacyloxy-5,7,9(11),17(20)-pregnatetraene adduct of the formula:



wherein Ac is the residue of an unsubstituted organic monocarboxylic acid containing from one to eight carbon atoms, inclusive; and A is the adduct radical of a dienophile selected from the group consisting of maleic acid anhydride and maleic acid diesters wherein the esterifying group is a lower-alkyl group containing from one to eight carbon atoms, inclusive.

2,625,547

**PROCESS OF PREPARING BENZHYDRYL
AND 9-FLUORENYL TERTIARY AMINO-
ALKANOATES**

Elmer J. Lawson, Rensselaer County, and Aaron Addelston, Queens County, N. Y., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 13, 1950, Serial No. 138,514
7 Claims. (Cl. 260-247.2)

1. The process of preparing a basic ester, which has the formula



wherein R and R' are lower alkyl radicals which may be joined together to form saturated N-heteromonocyclic radicals having 5-6 ring atoms, Alk is a lower alkylene radical and CHA₂ is a member of the group consisting of benzohydril and 9-fluorenyl, which comprises heating a lower alkyl ester having the formula



with a member of the group consisting of benzohydril and 9-fluorenyl.

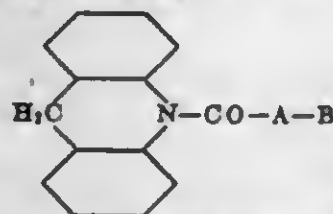
2,625,548

**BASICALLY SUBSTITUTED 1-(10-ACRIDYL)
ALKANONES**

John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application February 1, 1951, Serial No. 208,977
12 Claims. (Cl. 260-247.2)

1. The new group of organic compounds con-

sisting of 1-(10-acridanyl)alkanone derivatives of the structural formula



wherein A is a lower alkylene radical, B is a member of the class consisting of lower dialkyl-amino radicals, morpholino radicals and saturated monocyclic radicals in which a nitrogen is attached to the radical A as well as to two carbon atoms of a lower alkylene chain to form a five to six membered ring, and addition salts of the amino radical B.

2,625,549

SYNTHESIS OF 3-[BETA-KETO-GAMMA-(2-PIPERIDYL) PROPYL] - 4 - QUINAZOLONE COMPOUNDS

Bernard R. Baker, Nanuet, N. Y., and Merle V. Querry, Westwood, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 17, 1951, Serial No. 216,261

10 Claims. (Cl. 260-256.4)

1. The method of preparing 3-[beta-keto-gamma-(2-piperidyl)-propyl] - 4 - quinazolones and acid addition salts thereof which comprises reacting a 3-[beta-keto-gamma-(tetrahydro-2-pyridyl)-propyl]-4-quinazolone with not more than 1.4 mol-equivalents of hydrogen in the presence of a hydrogenation catalyst and in an inert solvent containing at least one mol-equivalent of a nonoxidizing acid having a dissociation constant in water of at least 1×10^{-3} .

2,625,550

THIOPHENE AMINES

John W. Schick, Camden, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application October 23, 1947, Serial No. 781,754

7 Claims. (Cl. 260-329)

1. A method for producing N-(2-thenyl)formaldimine, 2-thenylamine and a sulfurous acid addition compound of N-(2-thenyl)formaldimine which comprises mixing thiophene, aqueous formaldehyde and ammonium chloride in the molar proportion of 1:2:1 and passing aqueous sulfur dioxide into the mixture whilst maintaining a temperature of about 25 degrees centigrade until at least crystalline material begins to form, separating the crystalline material from the reaction mixture, and neutralizing the aqueous filtrate with caustic soda, whereby



is obtained as the crystalline product and N-(2-thenyl)formaldimine and 2-thenylamine are obtained from the aqueous liquors.

2,625,551

2-ACETOACETYLAMINOTHIOPHENE

Robert Sidney Long, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 19, 1950, Serial No. 191,081

1 Claim. (Cl. 260-332.2)

2-acetoacetylaminothiophene.

2,625,552

2-(2'-HYDROXY-3'-NAPHTHOYLAMINO)-THIOPHENE

Robert Sidney Long, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 19, 1950, Serial No. 191,083

1 Claim. (Cl. 260-332.2)

2-(2'-hydroxy-3'-naphthoylamino)-thiophene.

2,625,553

HALOALKYLATION OF THIOPHENES

Herman Pines, Chicago, and Jerome A. Vesely, Evanston, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 30, 1947, Serial No. 783,222

3 Claims. (Cl. 260-332.5)

1. A haloalkylation process which comprises reacting a diene, a thiophene containing a substitutable hydrogen atom attached to a carbon atom of the ring, and a hydrogen halide selected from the group consisting of hydrogen chloride and hydrogen bromide, in the presence of an acid-acting haloalkylation catalyst at a reaction temperature between about -20°C . and about 200°C . and a pressure sufficient to maintain a substantial portion of the reactants in the liquid phase.

2,625,554

MANUFACTURE OF MALEIC ANHYDRIDE

Joseph R. Darby, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 1, 1949, Serial No. 102,699

8 Claims. (Cl. 260-342)

1. A process which comprises catalytically oxidizing benzene to maleic anhydride by passing a mixture of benzene and oxygen through a bed of catalytic particles comprising a porous, inert carrier body composed of finely divided silica, the particles of which are bonded together by finely divided particles of a refractory glass which is low in basic constituents, said carrier being impregnated with a catalytically active material containing vanadium and substantially all of the particles of said bed being of such a size as to be retained by a 6 mesh screen and at least the last 50% of said bed contacted by the reactants being made up substantially of particles of such a size as to pass through a 4 mesh screen.

2,625,555

PRODUCTION OF ARYL TETRACARBOXYLIC ACID ANHYDRIDES

Robert J. Miller, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 8, 1947, Serial No. 778,740

9 Claims. (Cl. 260-342)

1. A process for production of aryl tetracarboxylic acid anhydrides which comprises subjecting a non-aromatic hydrocarbon containing at least 6 carbon atoms per molecule to an aromatization process, separating from the resulting aromatic hydrocarbons a durene rich fraction and catalytically oxidizing said durene rich fraction in the vapor phase to the aryl tetracarboxylic acid anhydride.

2,625,556

PROCESS FOR OXIDIZING STEROID ALCOHOLS

Arnold C. Ott and Maxton F. Murray, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application July 15, 1949, Serial No. 105,062

19 Claims. (Cl. 260-397.1)

1. The process for the conversion of a hydroxyl group to a keto group in a polycyclic alcohol, which comprises subjecting, under substantially anhydrous conditions, a secondary alcohol of the cyclopentanopolyhydrophenanthrene series in which it is theoretically possible to convert at least one hydroxyl group to a keto group, to the action of a hydrogen acceptor selected from the group consisting of aldehydes and ketones, in the presence of a lithium aluminum alcoholate.

2,625,557

PURIFICATION OF ACYL P-AMINOPHENOLS WITH ISOPROPYL ALCOHOL

Delmer L. Cottie, Highland Park, and David W. Young, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 30, 1951, Serial No. 234,676

9 Claims. (Cl. 260-404)

7. In a process for the preparation of lauryl p-aminophenol which comprises condensing para aminophenol with lauric acid, the improvement which comprises the steps of utilizing the lauric acid in an amount of from 110 to 200 mole per cent based on the p-aminophenol; dissolving the resulting reaction product in a relatively anhydrous isopropyl alcohol at a temperature close to its boiling point; adding water to the resulting solution; cooling the water, isopropyl alcohol system to a temperature in the range of about 15° to 30°C ., whereby the lauryl p-aminophenol comes out of the solution but the impurities remain dissolved; and separating the lauryl p-aminophenol from the residual system.

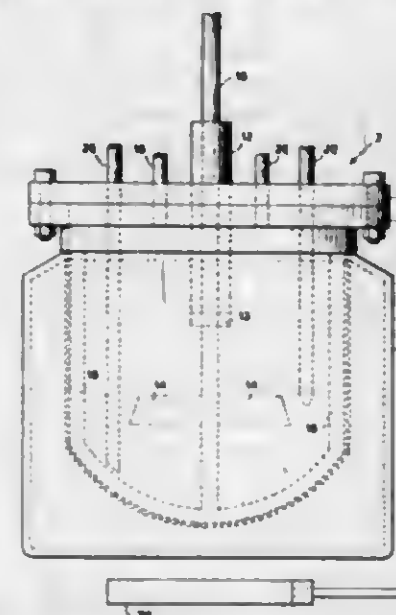
2,625,558

PROCESS FOR MAKING ORGANIC COMPOUNDS

Roger L. Logan, Philadelphia, Pa., assignor to Kessler Chemical Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application August 23, 1950, Serial No. 181,057

13 Claims. (Cl. 260-413)



1. The process for the preparation of dibasic

and monobasic acid scission derivatives of polyhydroxy aliphatic acid compounds comprising heating dry caustic to a temperature in the range of from the melting point of the dry caustic to about 475°C ., adding the selected polyhydroxy aliphatic acid compound gradually in small portions, said reaction being carried out in an atmosphere having a low oxygen content, cooling the reaction mass, acidulating the thus cooled mass with a mineral acid, removing the formed oil layer, steam distilling said oil layer to remove the monobasic acid and cooling the remaining water to crystallize the dibasic acid.

2,625,559

PREPARATION OF METHYL TIN CHLORIDES

Frederick A. Smith, Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application February 4, 1949, Serial No. 74,721

4 Claims. (Cl. 260-429)

2. A method of preparing methyl tin chlorides which comprises reacting methyl chloride with tin in the presence of copper as a catalyst.

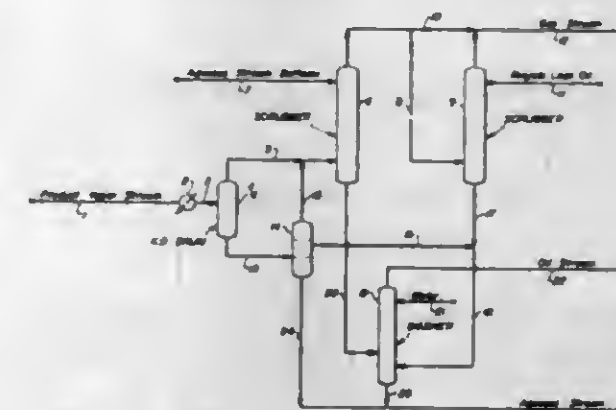
2,625,560

SEPARATION OF OXYGENATED COMPOUNDS WITH BISULFITE ADDUCTS

Vesta F. Michael, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

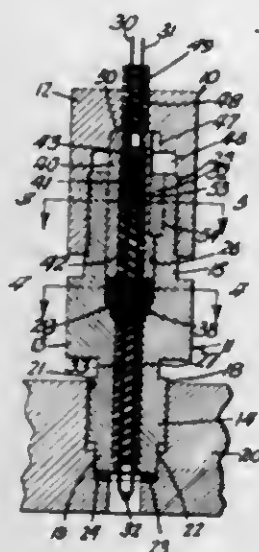
Application September 24, 1947, Serial No. 775,919

10 Claims. (Cl. 260-450)



1. In a process for separating and recovering generically dissimilar groups of organic oxygenated compounds from a hydrocarbon solution containing an oil-soluble carboxylic acid and comprising a preferentially oil-soluble alcohol and at least one carbonyl compound selected from the group consisting of aldehydes and ketones, the steps which comprise extracting said hydrocarbon solution with an aqueous extractant solution comprising an alkali-metal bisulfite and a solubilizer for said preferentially oil-soluble alcohol consisting essentially of a bisulfite addition product of a carbonyl compound selected from the group consisting of aldehydes and ketones at a pH from about 2.2 to 8.0; separating said preferentially oil-soluble alcohol from the resulting aqueous extract; heating at least a portion of the alcohol-depleted aqueous extract above the decomposition temperature of the bisulfite addition products contained therein; and withdrawing and recovering at least a portion of the carbonyl compounds regenerated thereby.

chordal surface, and a key within said body and extending into said recess and cooperating with



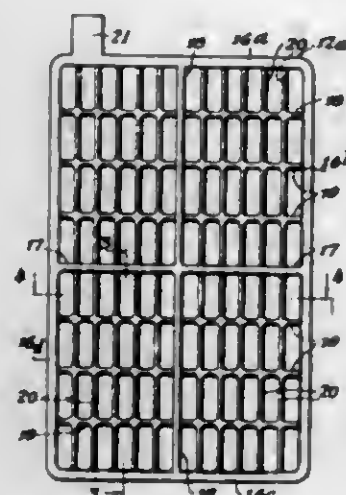
said flat chordal surface to limit rotary movement of said follower.

2,625,574

STORAGE BATTERY PLATE GRID

Leonard Fuller, London, England, assignor of one-half to Edmund William Sudlow, Leigh-on-Sea, England

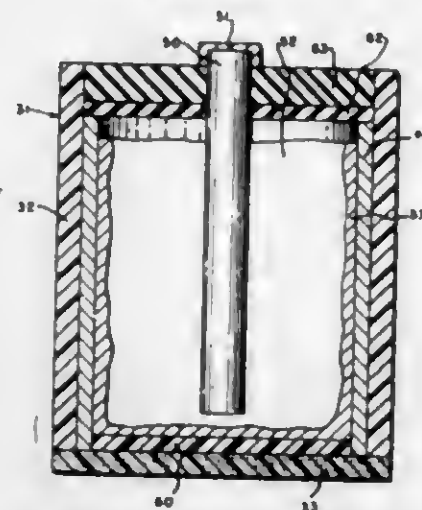
Application November 8, 1949, Serial No. 126,156
In Great Britain November 9, 1948
5 Claims. (Cl. 136-36)



1. For an electric secondary battery a pasted electrode plate having a lead grid which is produced as a single casting and which comprises the following integral parts in combination, namely, a frame composed of four marginal bars arranged in a rectangle, and two sets of grid bars extending across the frame in intersecting relationship to form a lattice, the ends of the grid bars merging through well rounded surfaces into the marginal bars, all of said grid bars being disposed with their axes in a single plane, which single plane also contains the axes of the four marginal bars, and each said grid bar presenting only well rounded surfaces externally so as to be devoid of any exposed sharp edge portions throughout all external surface portions thereof.

2,625,575
DRY BATTERY CELL
Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army
Original application July 3, 1950, Serial No. 171,999, now Patent No. 2,572,017, dated October 23, 1951. Divided and this application July 20, 1951, Serial No. 237,821

1 Claim. (Cl. 136-107)
(Granted under Title 35, U. S. Code (1952), sec. 266)

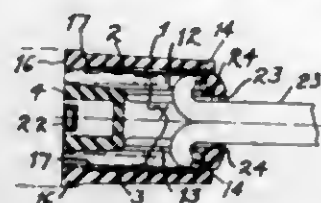


In an hermetically sealed primary dry cell of the Leclanche type comprising a cylindrical zinc anode and a centrally disposed carbon positive electrode the protruding end of which constitutes the positive terminal; an open top plastic cell container, the walls of which consist of plastic dielectric material while at least a part of the bottom plate of said plastic cell container consists of electrically conductive plastic material made conductive by the admixture of zinc powder, said conductive plastic part of the bottom plate constituting the negative terminal of the cell; said cylindrical zinc anode fitting the interior non-conductive walls of said open top plastic cell container and being in direct electrical contact with the conductive plastic material of said bottom plate; an insulating sealing compound positioned above the upper edge of the cylindrical zinc anode and contained in the upper part of the open top cell container hermetically sealing the zinc anode within the plastic cell container.

2,625,576

SOCKET CONNECTOR

Charles E. Gilbert, New York, N. Y.; Margaret Doris Gilbert, Norman Coates, and The Chase National Bank of the City of New York executors of said Charles E. Gilbert, deceased
Application March 7, 1947, Serial No. 732,983
4 Claims. (Cl. 173-332)



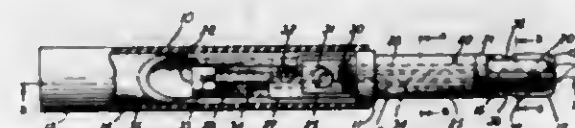
1. An electrical connector comprising a one-piece rigid molded body provided with a central aperture therethrough and a pair of internal recesses which are adapted to receive the contact blades of an electric plug and which are closed at one end and open at the other end and separated from said central aperture by a pair of

flanges spaced from each other and which form the inner partial walls of said recesses, a shoulder formed on the outer wall of each recess, adjacent the open end thereof, a pair of electrical contact blades positioned respectively within said recesses and each consisting of a strip of resilient conducting material having means provided at one end for making electrical contact with a wire of an electrical conductor cord and means at its other end for engaging the shoulder on the outer wall of its recess, said body having reduced wall portions formed about one part of said central aperture and providing ledges on said walls, projections extending from said reduced wall portions, and a molded closure member removably positioned in said central opening and seated on said ledges and having means for engaging with said projections to lock said closure member within said central aperture.

2,625,577

SWITCHBOARD PLUG

Anthony J. Wier, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1949, Serial No. 95,723
2 Claims. (Cl. 173-361)



1. An electrical connecting plug comprising an outer shell of insulating material, a metal sleeve positioned in said shell and extending some distance beyond one end thereof, an insulating member positioned in said sleeve and having a portion thereof extending beyond said end thereof, a quad of conducting members embedded in said insulating member extending longitudinally therewith and having at one end thereof notched fin-like portions projecting radially beyond the surface of the exposed portion of said insulating member and arranged in space quadrature, the inner ends of said conducting members having connections thereon for securing electrical conductors thereto.

2,625,578

SOCKET HAVING A LOCKING TAB WITH A GRADUALLY SLOPING CAMMING SURFACE

Henry Peter Dupre, Croton-on-Hudson, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application October 12, 1949, Serial No. 120,900
2 Claims. (Cl. 173-363)



1. A separable connector socket for accommodating a flat solder pad member having an aperture at its free end for threadedly receiving a conductor intended to be soldered therein, said socket member having at one end a ferrule adapted to be connected to the bared end of a conductor, and at the other end a flat contact surface to engage the solder pad member, a

resilient locking tab mounted on one side of the socket member extending over and spaced from the contact surface a distance less than the thickness of the solder pad member and having a gradually sloping camming surface extending longitudinal and inwardly of the socket member terminating in a locking projection to engage the aperture of the solder pad to lock the members together, an upstanding shoulder extending from the opposite side of the socket member forming a socket substantially rectangular in cross-section with the flat contact surface and the resilient tab, to prevent lateral displacement of the flat pad member, a resilient contact tab mounted on the socket member and provided with a camming surface, said contact tab extending over and at the end of the camming surface spaced from the contact face a distance less than the thickness of the solder pad member whereby the pad member will be pressed and locked in position by the socket member to obtain an efficient electrical and mechanical connection without the use of solder.

2,625,579

SPARK PLUG ELBOW AND BARREL SEALING GROMMET

John D. Frazee, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 9, 1950, Serial No. 143,265
6 Claims. (Cl. 174-77)



4. A grommet for use in a spark plug having a cylinder provided with an internal seating surface, including a sleeve of resilient material for projection into said cylinder, said sleeve having sealing rings, said sealing rings adapted dimensionally to have a slidable fit against the sides of the cylinder, and the end of said sleeve adapted to project into said cylinder being adapted to be deformably positioned against said seating surface to provide a seal with said seating surface.

2,625,580

ELECTRICAL SERVICE MAST

George C. Price, Battle Creek, Mich.
Application February 8, 1949, Serial No. 75,177
3 Claims. (Cl. 174-31)

1. A service mast comprising a tubular member, means for attaching the member to a building support, a pot-head on the upper end of the member, a plurality of holders, a spool insulator in each holder, a common holding rod

threaded through the insulators and holders, and a collar for each holder clamped independently

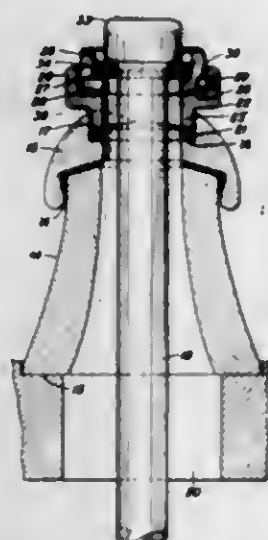


on the member and adjustable relative to the other collars.

2,625,581

GUY INSULATOR

Ralph L. Jenner and Carl D. Fiero, Le Roy, N. Y., assignors to Lapp Insulator Company, Inc., Le Roy, N. Y., a corporation of New York
Application July 13, 1949, Serial No. 104,476
9 Claims. (Cl. 174-208)



6. A strain insulator for guy cables and the like, said insulator comprising a substantially yoke-shaped body provided at one end with attaching means, a substantially conical insulator member having one end mounted on said body, a bolt at the other end of said body provided with attaching means, said bolt extending through said member adjacent the other end thereof, and a universal joint supporting said bolt on the other end of said member for universal rocking movement relative thereto to relieve said bolt of bending stresses due to cable vibrations.

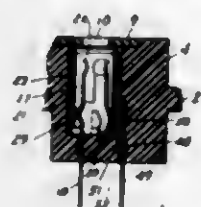
2,625,582

TUBE SOCKET

Jerome D. Heibel, Erie, Pa., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application January 7, 1946, Serial No. 639,613
5 Claims. (Cl. 175-41)

2. In a tube socket of the type having, a base, pin receiving recesses, a tubular condenser in one

of the recesses and having inner and outer electrode contact surfaces, and a pin engaging terminal within and contacting the inner surface of the condenser, the combination of a longitudinal slot in the base open at at least one end

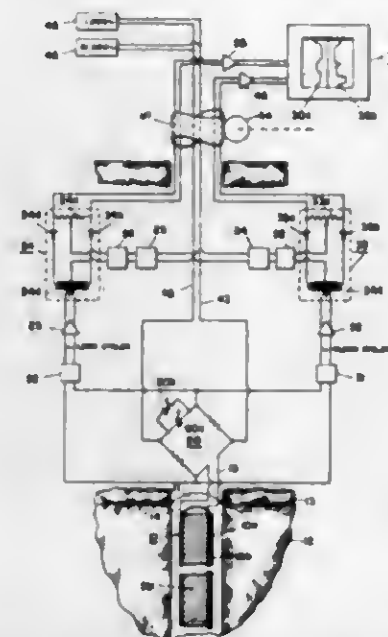


and intersecting and extending along the recess to provide access to the outer surface of the condenser, and a contact having a part in said slot engaging the outer surface of the condenser and a part extending out of the open end of said slot for connection to another circuit element.

2,625,583

MAGNETIC INDUCTION WELL-LOGGING INSTRUMENT

Robert A. Broding, Dallas, Tex., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application October 28, 1950, Serial No. 192,751
15 Claims. (Cl. 175-182)



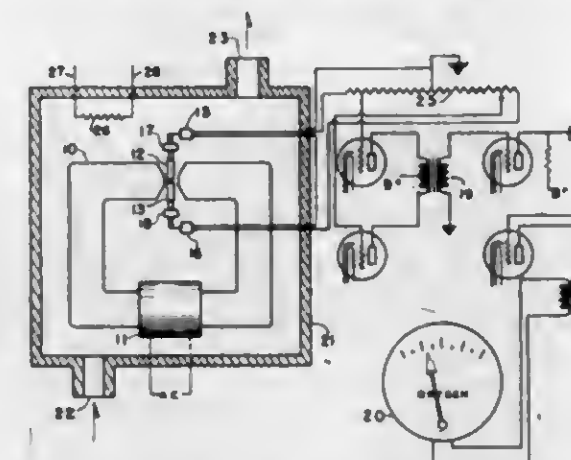
1. A system for measuring magnetic susceptibility and electrical conductivity comprising supply means for alternating voltage of different frequencies, balanceable circuit means connected to said supply means, inductive means connected to said balanceable circuit means and magnetically coupled to a surrounding medium, phase-sensitive detecting means responsive to an alternating voltage of one frequency connected to said circuit means and to said supply means to receive an alternating voltage of one frequency, and phase-sensitive detecting means responsive to alternating voltage of a different frequency connected to said circuit means and to said supply means to receive an alternating voltage of said different frequency, said detecting means measuring the unbalance signal of said circuit means in terms of the out-of-phase component of one frequency and the in-phase component of the different frequency whereby the magnetic susceptibility and electrical conductivity of the medium surrounding said inductance coil is measured.

2,625,584

OXYGEN DETECTION AND MEASUREMENT

Edward L. Kells, Milwaukee, Wis., and Delmar H. Larsen, West Hollywood, Calif.

Application July 13, 1949, Serial No. 104,576
5 Claims. (Cl. 175-183)



1. An apparatus for the determination of the oxygen content of a mixed gas containing oxygen, comprising, an alternating current magnet, providing an alternating magnetic field, an object capable of being surrounded by said gas, and positioned in said alternating magnetic field, so that one portion is in a relatively strong part of the field and another portion is in a relatively weak part, restraining means to substantially inhibit translational motion of the object while permitting it to vibrate, and a vibration receptor operatively connected with said object, and oxygen indicating means operatively connected to said vibration receptor.

2,625,585

MAGNETIC MEASURING GAUGE

Glen N. Krouse, Columbus, Ohio
Application December 1, 1949, Serial No. 130,560
8 Claims. (Cl. 175-183)



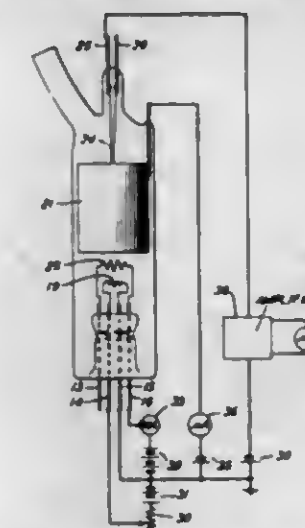
1. A magnetic gage device comprising a tubular casing of non-magnetic material formed with an opened-ended chamber and an external screw-threaded region; a permanent magnet carried in the chamber of said casing and movable to an exposed position at one end of said casing for magnetic engagement with a body to be gaged; a tubular sleeve rotatively carried on said casing and having an internal screw-threaded region in threaded engagement with the screw-threaded region of said casing, said sleeve being movable longitudinally on said casing upon relative rotation of said sleeve and casing; a graduated scale disposed on said casing for indicating the extent of longitudinal movement of said sleeve relative to a fixed point on said casing; and means including a resiliently expansive spring connected between said sleeve and said magnet for urging the latter to move inwardly of the chamber of said casing and out of magnetic engagement with

a body being gaged upon longitudinal movement of said sleeve in one direction relative to said casing.

2,625,586

APPARATUS FOR MEASURING GAS PRESSURES

James J. Lander, Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1950, Serial No. 155,837
11 Claims. (Cl. 175-183)

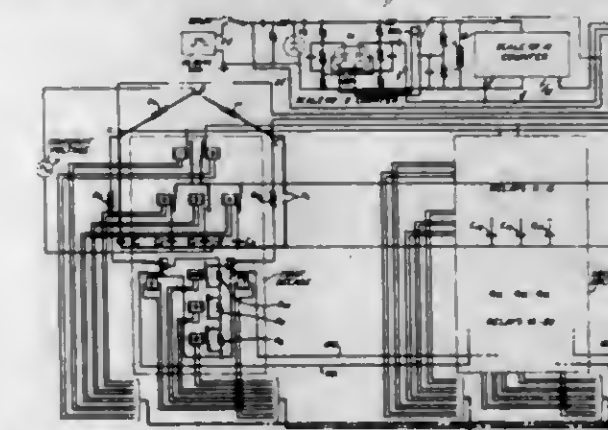


1. A device for measuring gas pressures comprising a vessel, electron emitting means positioned in said vessel adjacent one end, electron receiving means positioned adjacent said electron emitting means, and a small area ion collector positioned adjacent the other end of said vessel removed from said electron receiving means whereby soft X-rays generated by said electron receiving means do not sufficiently impinge on said ion collecting means to limit readings of pressures down to approximately 10^{-11} millimeters of mercury.

2,625,587

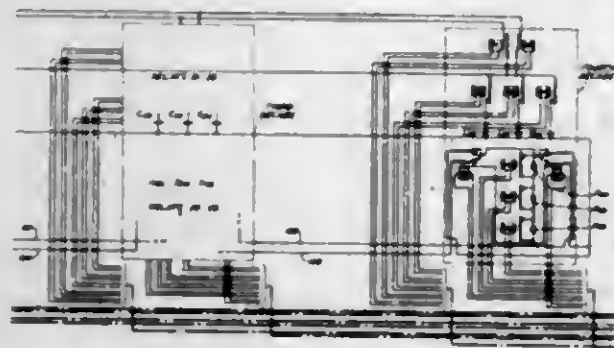
AUTOMATIC BRIDGE

Raymond A. Kempf, Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 9, 1950, Serial No. 194,907
5 Claims. (Cl. 175-183)

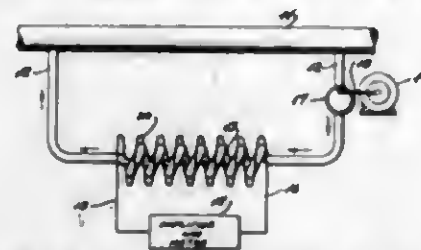


4. A system for automatically balancing an electric bridge comprising a plurality of standard circuit elements of one kind arranged as successive decades, a plurality of standard circuit elements of another kind also arranged as successive decades, a separate selector switching means connected to each decade of the first kind of elements so constructed and arranged as to sequentially switch its elements into balancing relation with the bridge through a series of steps comprising a cycle of predetermined combination and order, another similar switching means for

each decade of said other kind of elements, a separate main gate circuit connected to each selector switching means having a pulse input, a gate-opening and a gate-closing terminal, each gate circuit, when open, being adapted to advance its associated selector switch one step of its cycle for each electric pulse which is transmitted by said gate, the largest decades of the two kinds of standard elements and their associated switching means and gate circuits comprising the first decade pair, the next largest the second decade pair, etc., a pulse generator having at least three output frequencies and a terminal for each frequency, circuits connecting one generator terminal to one pulse input terminal of each decade

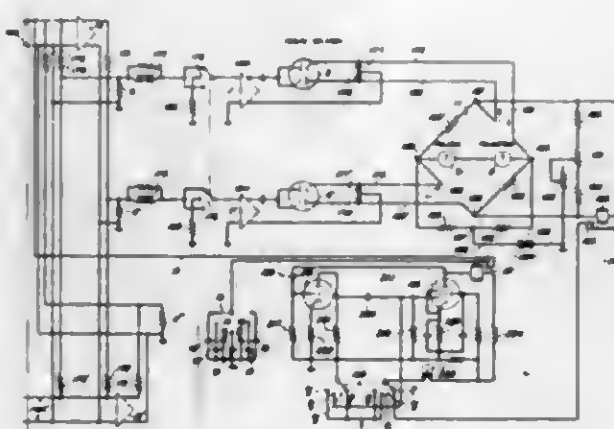
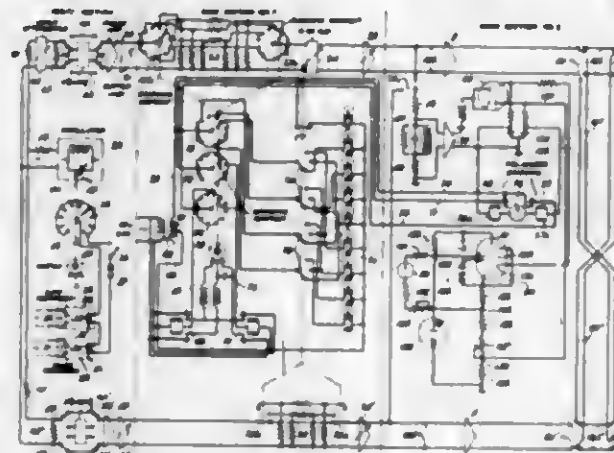


2,625,588
APPARATUS FOR MEASURING POTENTIAL DIFFERENCES IN LIQUID
Melville F. Peters, Essex County, N. J.
Application May 23, 1952, Serial No. 289,463
11 Claims. (Cl. 175-183)



1. Apparatus for measuring an electrical potential difference across two points in a body of liquid, said apparatus comprising an auxiliary fluid flow path for the liquid between the two points, means in said path for varying the flow therethrough, means electromagnetically coupled to at least a portion of said path for having induced therein an electromotive force proportional to the electric current flow through said path and means connected to the last-named means for indicating the magnitude of said force.

2,625,589
SYSTEM FOR MEASURING PHASE AND GAIN
Edward W. Houghton, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 27, 1945, Serial No. 618,971
15 Claims. (Cl. 175-183)



pair and another generator terminal to the remaining pulse input terminals, a separate detector for each decade pair with terminals for connection to the bridge, each detector being responsive to a different degree of bridge balance, an auxiliary pulse gate in each detector adapted to open its gate path upon said response of its detector, a pulse input and a pulse output terminal for each auxiliary gate, circuits connecting a third generator terminal to the pulse input terminal of each auxiliary gate and to the two gate-opening terminals of the first decade pair, and other circuits connecting the pulse output terminal of each auxiliary gate to the two gate-closing terminals of its own decade pair and to the gate-opening terminals of the next succeeding decade pair.

1. A system for measuring transmission efficiency and phase shift of a path, comprising a wave source of constant output level, an adjustable attenuator, means for supplying a wave from said source to said attenuator and to said path, an adjustable attenuator fed from said path, means for producing from the output waves of said attenuators two waves of the same constant amplitude which have the same phase difference as said two output waves, means for obtaining

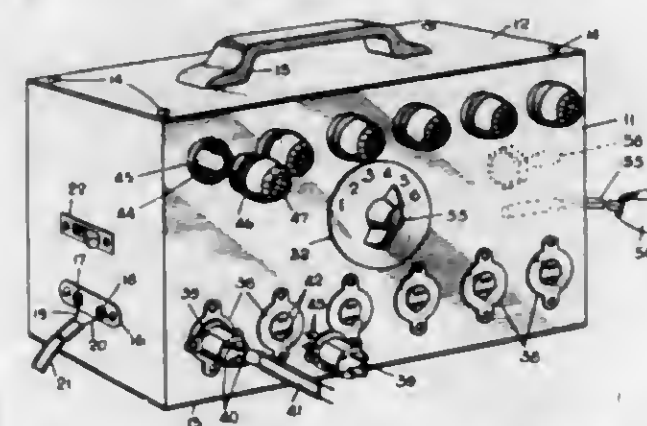
the sum and difference of said two constant amplitude waves, means for rectifying said sum and difference waves, means for differentially combining the rectified quantities to obtain a resultant quantity, a phase meter responsive to said resultant quantity, and a circuit including a rectifier fed from said second-mentioned attenuator and feeding a decibel meter having a linear scale.

2,625,590
MEANS FOR ELECTROSTATICALLY CHARGING SPRAY MATERIAL
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Original application July 31, 1948, Serial No. 41,800. Divided and this application May 2, 1951, Serial No. 225,012
4 Claims. (Cl. 175-265)



1. An air atomizing spray device of the type having means for electrically charging particles of coating material discharged thereby to improve the deposition of the material upon the electro-conductive surface being coated, said spray device characterized by having means composed of an electrical non-conducting material providing an elongated passage for the coating material, an elongated electrical discharge element of passage-partitioning form extending longitudinally within the passage and terminating therein, and conduit means connected to the element and delivering electricity of single polarity thereto.

2,625,591
ELECTRIC CIRCUIT DISTRIBUTION DEVICE
Gus George, Rego Park, N. Y.
Application July 19, 1949, Serial No. 105,599
1 Claim. (Cl. 175-298)



A junction box for selectively placing any one of a plurality of television sets in circuit with a single television antenna, said junction box comprising an outer casing, input terminal means on one wall of said casing for coupling of television antenna lines therewith, a plurality of output terminals on another front wall of said casing forming means for coupling antenna leads of a plurality of television sets therewith, a double pole multiple throw switch within said casing and wired to said input and output terminals, means

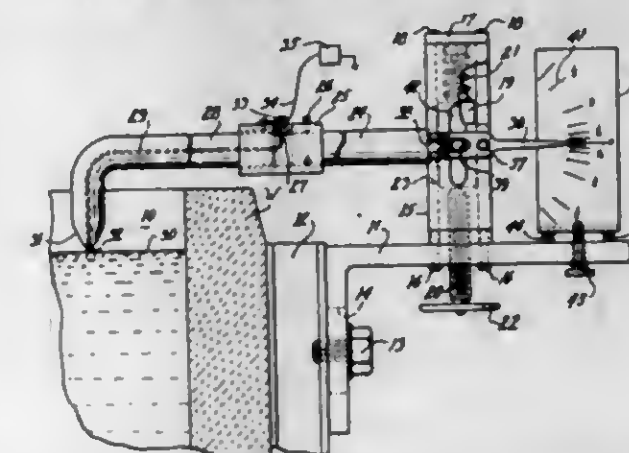
including a control knob on said front wall of the casing for actuating said first named switch and for indicating which output terminal is in circuit with said input terminal in different positions of said first named switch, said last named means including a plurality of pilot lights on said casing corresponding in number with the number of said outlet terminals, an independent source of current and a multiple throw switch for actuating said pilot lights, and said last named switch and first named switch both being coupled with said control knob to provide actuation of a different pilot light as each output terminal is placed in circuit with said input terminal.

2,625,592
ASYMMETRICAL CONDUCTIVE ELEMENT
René Sueur, Paris, Heinrich Welker and Herbert Mataré, Vaucresson, and Bernhard Bethge, Fontenay sous Bois, France, assignors to Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse, Paris, France
Application October 29, 1949, Serial No. 124,272
In France November 5, 1948
5 Claims. (Cl. 175-366)



1. Asymmetrical conductive element comprising a pair of conductive supports, semi-conductive and conductive contact members supported thereon, respectively, in point contact engagement, one of said supports having at one end one of said contact members and at the other end a screw forming a male type coaxial connector while the other support is provided with a threaded coaxial hole, a screw supported at the inner end thereof engaging a portion of the thread and supporting the other contact member, the other part of the thread being left free so as to form a female type coaxial connector.

2,625,593
GLASS LEVEL INDICATOR
James A. Voorhies and John Earl Frazier, Washington, Pa., assignors to Frazier-Simplex, Inc., Washington, Pa., a corporation of Delaware
Application March 10, 1948, Serial No. 13,984
5 Claims. (Cl. 177-311)



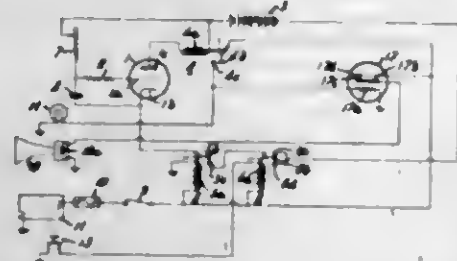
1. In an apparatus for electrically determining the level of molten glass in a tank of insulating material without the use of an outside source of energy and solely by the electrostatic charge accumulating on the surface of the glass, the invention comprising a charge collecting element located in the tank for relative movement between the element and the surface of the glass,

and solely electrostatic charge responsive means responsive to the collection of the charge by the element from the surface of the glass for determining the relative position of the element to the surface of the glass.

2,625,594

DEVICE FOR INHIBITING SLEEP

John A. Mathis, Pinckneyville, Ill.
Application March 11, 1949, Serial No. 80,967
8 Claims. (Cl. 177-311)

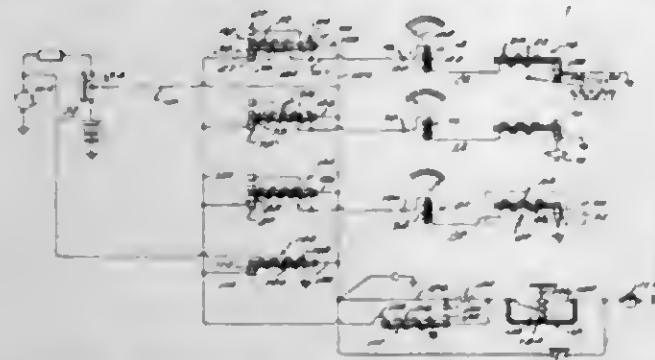


1. A multiple signal sleep inhibitor device for operators of vehicles, machines, industrial apparatus or the like comprising a grid controlled discharge tube of the thyatron type, a condenser in the grid-cathode circuit of said tube, a charging resistor for said condenser in the anode-grid circuit of said tube for delaying ionization thereof, a signal relay having its energizing winding connected in the anode-cathode circuit of said tube, a signal at the location of the operator controlled through the contacts of said relay, a control relay including a movable contact operable between and engaged with one or the other of a pair of stationary contacts and through either of which said cathode-anode circuit is maintained closed, switch means actuable by the operator for controlling current flow through the energizing winding of said control relay, delayed action relay means controlled through the contacts of said signal relay, and a second signal at the location of the operator controlled through the contacts of said delayed action relay, said first and second signals being of such characteristic as to appeal to different physiologic senses of the operator.

2,625,595

ELECTRICAL SIGNAL CONTROL SYSTEM

Leonard Boddy, Ann Arbor, Mich., assignor, by mesne assignments, to The Anderson Company, Gary, Ind., a corporation of Indiana
Application January 12, 1950, Serial No. 138,248
12 Claims. (Cl. 177-311)



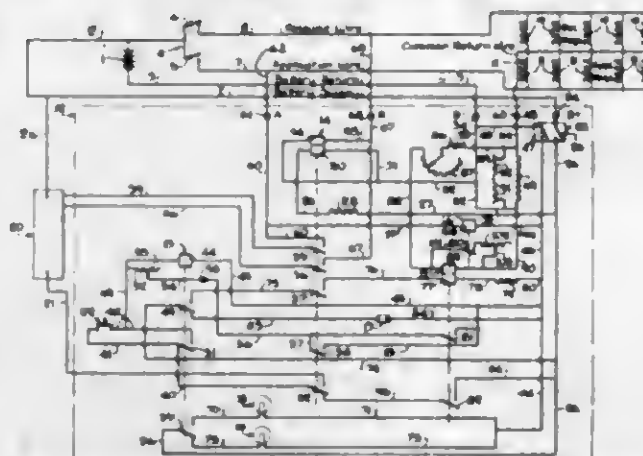
1. In an electrical gauging system for association with a source having a variable voltage, an electro-responsive sender characterized as being adapted to pass a variable current the average value whereof is independent of variations in said voltage and as embodying means responsive to a variable physical condition to be gauged for adjusting said sender so as to vary said average

current value as a function of said physical condition, an electro-responsive receiver connected in series with said sender to receive at least a component of said current, and a signal controlling means connected in series with said sender and receiver to receive at least a component of said current, said signal controlling means embodying means responsive to said last-mentioned component for varying the impedance of said signal controlling means as a function of such component.

2,625,596

CIRCUIT CHECKING APPARATUS

Claude M. Hines, Verona, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application August 22, 1950, Serial No. 180,809
11 Claims. (Cl. 177-311)

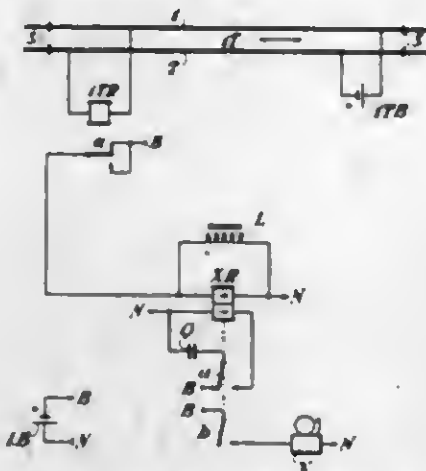


1. Apparatus for checking the integrity of a plurality of control circuits that are adapted to be selectively energized for effecting different control functions, said apparatus comprising a first means for detecting the integrity of said circuits while they are deenergized, a second means for detecting the integrity of one circuit of said circuits while only said one circuit is energized, a third means for detecting the integrity of all of the circuits while all of said circuits are energized and means responsive to deenergization of all of the circuits to render said first means effective, and responsive to energization of one and of all of said circuits to render said second means and said third means effective, respectively.

2,625,597

ANNUNCIATOR CIRCUIT

Arthur E. Dodd, Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 19, 1952, Serial No. 272,436
8 Claims. (Cl. 177-311)



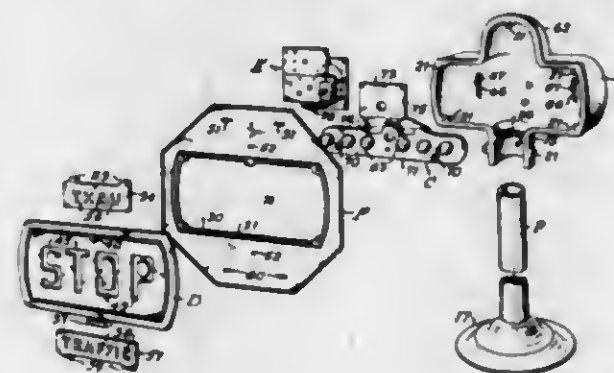
1. In combination, a relay having a first and a second winding and having contacts which are

operated from a first to a second position when and only when energy flows through either or both of said windings in a given direction, a source of direct current energy, a first circuit for supplying energy to said first winding in said given direction from said source, means for momentarily interrupting said first circuit, an energy storage device, a second circuit including a contact of said relay closed in its second position for supplying energy from said source to said storage device, and a third circuit including a contact of said relay closed in its first position for supplying energy from said storage device to the second winding of said relay in the direction opposite to said given direction.

2,625,598

TRAFFIC SIGNAL

Robert F. Broussard and Charles A. Toce, Houston, Tex.
Application January 27, 1949, Serial No. 73,114
9 Claims. (Cl. 177-329)



1. A traffic signal comprising a housing open upon its forward face, a windowed door removably affixed to the housing over the open face thereof, a chassis located at the rear wall of the housing, and signal mechanism within the housing carried by the chassis and comprising an electric lamp opposite the door in position for illumination therethrough and, in electrical connection therewith, control means therefor mounted on the chassis and controlling the lighting of the electric lamp, coating means on the chassis and housing providing for the chassis a fixed support from which it is demountable, a conductor leading from a source of electrical energy to a point within the housing, and coating separable fittings, one in connection with the conductor and the other with the control means for the electric lamp, and disconnectible from within the housing whereby to free the chassis for removal therefrom when demounted from its support.

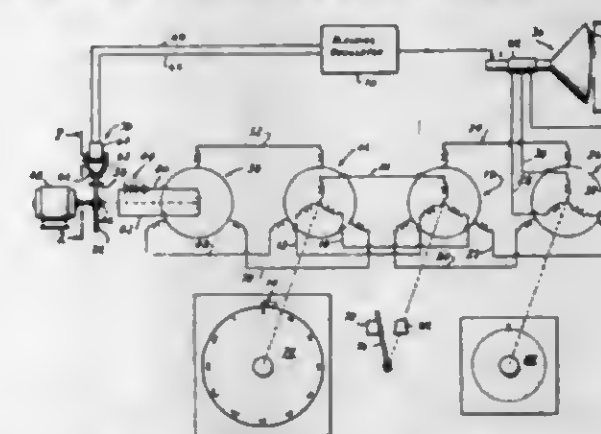
2,625,599

APPARATUS AND METHOD FOR TESTING THE ACCURACY OF SYNCHROS

William A. Downes, Old Mystic, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application February 21, 1952, Serial No. 272,874
7 Claims. (Cl. 177-337)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. Apparatus for calibrating a phase-shifter comprising a "reference" phase-shifter settable selectively to accomplish either of two discrete amounts of phase shift, another phase-shifter settable to accomplish any amount of phase shift within a range of amounts, detecting means responsive to changes in phase, a source of A.-C. electrical energy, and means for connecting said "reference" and said other phase-shifter in series

with the to-be-calibrated phase-shifter and for interposing all three phase-shifters between said

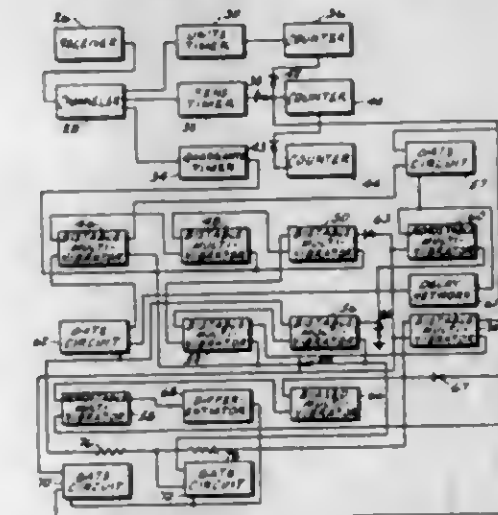


source of electrical energy and said detecting means.

2,625,600

DECODING INFORMATION TRANSLATOR

Reno V. Benaglio and Raymond Nymberg, Detroit, Mich., assignors to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application May 3, 1951, Serial No. 224,414
8 Claims. (Cl. 177-351)



1. In combination with means for converting an angular quantity into a plurality of pulses spaced from one another by time periods indicative of the quadrant in which the quantity is located and of the relative position of the quantity in the quadrant, means for producing, between successive pairs of pulses indicative of the relative position of the quantity in its quadrant, a number of signals proportional to the time periods between pulses, means for converting the time periods between the pulses representing the quadrant into a plurality of signals indicative of the angular value represented by the quadrant, and means for combining the signals indicative of the quadrant with the signals indicative of the position in the quadrant to produce a resultant determination of the position of the angular quantity from a reference position.

2,625,601

AUTOMATIC TELEGRAPH SWITCHING SYSTEM

Ralph H. Halvorsen, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 3, 1950, Serial No. 142,263
15 Claims. (Cl. 178-2)

15. In an automatic telegraph message switching system, a plurality of outlying subscriber

transmitters, a plurality of outlying subscriber receivers, a central switching office, a plurality of signal channels interconnecting the transmitters and receivers with the central office, said central office including a plurality of horizontal selector magnets individually associated with each transmitter, means for energizing one of the horizontal selector magnets upon initiation of transmission by its associated transmitter, a selective control unit, means operative upon energization of any of said horizontal selector magnets for connecting the signaling channel of the transmitter associated with the energized horizontal selector magnet to the selective control unit, a plurality of address relays associated with said selective control unit, said selective control unit including means for energizing a number of address relays in accordance with the reception of a



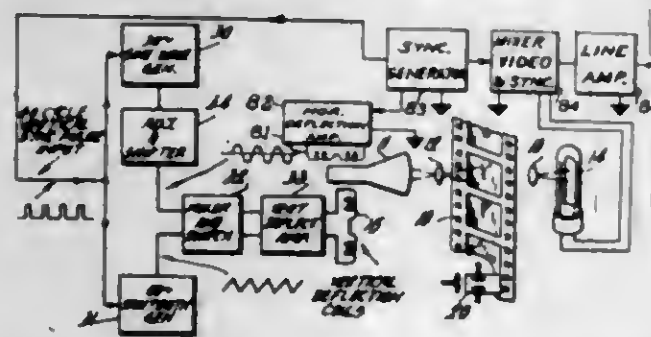
2,625,603
TELEVISION PULSE SEPARATION CIRCUIT
Wolf J. Gruen, Syracuse, and Theodore V. Zaloudek, Liverpool, N. Y., assignors to General Electric Company, a corporation of New York
Application August 11, 1950, Serial No. 178,848
10 Claims. (Cl. 178-7.3)



dress relays in accordance with the reception of a number of address signals, a plurality of vertical relays individually associated with each address relay, means operated by the energized address relays for energizing the associated vertical relays, and means operated by the energization of one of said horizontal selector magnets and a number of said vertical relays for completing direct signaling channels from the energized transmitter to a number of receivers associated with the energized vertical relays, means within the selector control unit responsive to a special signal for de-energizing said address relays, and means operative by the energizing of the vertical relays and the de-energization of the address relays for de-energizing the energized horizontal selector magnets to break the signaling channel to the selective control unit.

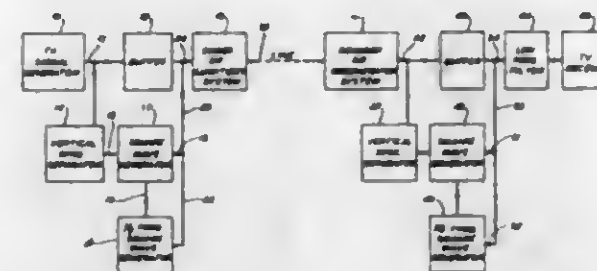
10. A television synchronizing pulse separation circuit for separating the unidirectional horizontal and vertical synchronizing pulses from a composite television signal in which all said pulses are of substantially different time durations and of equal amplitudes exceeding the peak amplitudes of interspersed picture signal components, said horizontal pulses recurring at the line scanning frequency or a multiple thereof and said vertical pulses recurring at the field scanning frequency, comprising, in combination, an electron discharge amplifier including an anode, a cathode and a control grid, a grid coupling network having first and second input terminals, means for supplying said composite signal to said terminals with said pulses positive at said second terminal, said first terminal being conductively connected to said cathode, a shunt resistor R_1 connected between said grid and said first terminal, a first coupling capacitor C_1 in series with a discharge resistor R_2 connected between said second terminal and said grid, a second coupling capacitor C_2 connected in shunt with the series connection of C_1 and R_2 , and a grid coupling resistor R_3 connected in circuit between said grid and cathode, the circuit constants of said network being so selected that the capacity of C_1 is much larger than that of C_2 , that the time constant R_1C_1 is substantially longer than the time period between consecutive vertical pulses that the time constant R_2C_2 is short enough for C_2 to be discharged to a substantial extent during the time period of a few consecutive horizontal pulses, and that the ratio of R_1 to R_2 is approximately equal to the ratio of the reactance of C_2 to the dynamic input impedance of said amplifier, and a pulse output circuit connected between said anode and

2,625,602
FILM PULLDOWN MECHANISM FOR TELEVISION
Frank J. Somers, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 26, 1947, Serial No. 757,175
4 Claims. (Cl. 178-7.2)



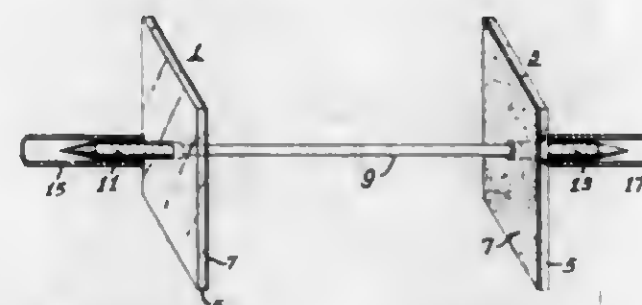
2. In an intermittent pull down film apparatus adapted to receive for scanion an optically

2,625,604
QUANTIZED PULSE TRANSMISSION WITH FEW AMPLITUDE STEPS
James O. Edson, Warren Township, Somerset County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1950, Serial No. 195,228
5 Claims. (Cl. 178-43.5)



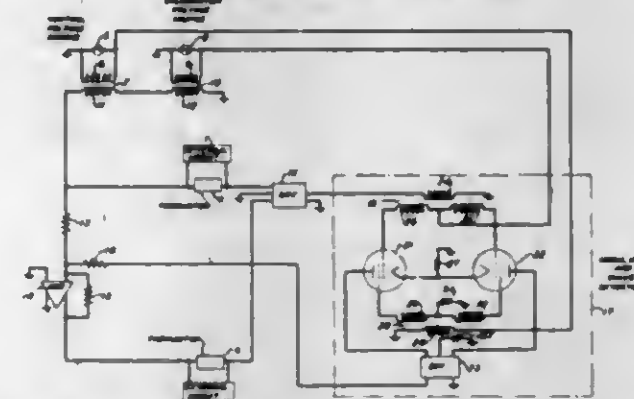
1. In a transmission system, at the transmitting terminal a message wave source, quantizing means adapted for sampling an input signal and classifying each sample as falling within a particular one of a plurality of different amplitude steps, means for superimposing on the message wave a wave of a predetermined repetition rate and of an amplitude less than the difference between successive amplitude steps characterizing the quantizing means, means for applying the combined wave as an input signal to the quantizing means, and means for utilizing the output of said quantizing means for transmission to a receiving terminal, and at the receiving terminal, means for generating a replica of the combined wave applied to the quantizing means, and means for superimposing thereon a wave of identical repetition rate and amplitude, but of the opposite polarity, as that superimposed on the message wave at the transmitting terminal.

2,625,605
RESONATOR
Charles H. Chandler, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 14, 1948, Serial No. 21,080
10 Claims. (Cl. 178-44)



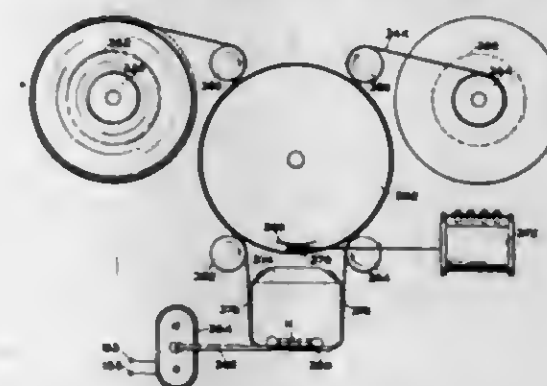
6. A resonator for high frequency radio waves, including two reflectors with plane reflecting surfaces facing each other and spaced apart by a distance which is a plurality of wavelengths of radiant energy of the frequency at which said resonator is to resonate, one of said reflectors having a central aperture, coupling means for supplying high frequency energy to or absorbing high frequency energy from the space between said reflectors through said aperture, and means for directing said energy back and forth between said reflectors to prevent escape thereof by radiation including a dielectric rod having an extension through said aperture, said extension serving also as part of said coupling means.

2,625,606
THERMISTOR CONTROL CIRCUIT
Emory Lakatos, Cranford, and Brockway McMillan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1947, Serial No. 787,984
23 Claims. (Cl. 178-44)



1. In combination, two current-controlled variable resistances having substantially similar resistance versus control-current characteristics, a source of current, connections from said source to each of said variable resistances, means to compare the currents flowing from said source to each of said variable resistances, and means responsive to said comparison means for maintaining substantial equality between the resistances of said variable resistances.

2,625,607
PULSE RECORDING APPARATUS
John Presper Eckert, Jr., John C. Sims, Jr., and Herbert Frazer Welsh, Philadelphia, Pa., assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1948, Serial No. 29,434
31 Claims. (Cl. 178-66)

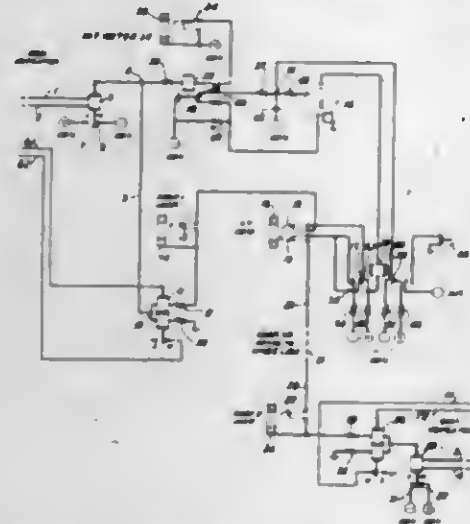


3. In combination, a member carrying code pulses in the form of magnetized spots, a head comprising a core having a gap therein and a coil wound on said core, means for moving said member past said gap to bring successive pulses adjacent to said gap, and means for oscillating at least the portion of said member adjacent to said gap to produce in said coil alternating signals when a pulse is adjacent to said gap.

2,625,608
OPEN TELEGRAPH LINE INDICATOR
Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 27, 1948, Serial No. 40,952
3 Claims. (Cl. 178-69)

1. A direct-current telegraph system having a telegraph line, a plurality of direct-current tele-

graph repeaters in said line, each of said repeaters comprising a polar telegraph transmitting relay connected directly to said line for impressing direct-current marking and spacing signal conditions directly on said line, each of said repeaters comprising also a polar telegraph receiving relay directly connected to said line, responsive to direct-current marking and spacing signal conditions incoming directly from said line to said receiving relay, a telegraph open line indicator circuit connected intermediate a first and a second of said repeaters and directly to a first receiving relay in a first of said repeaters,

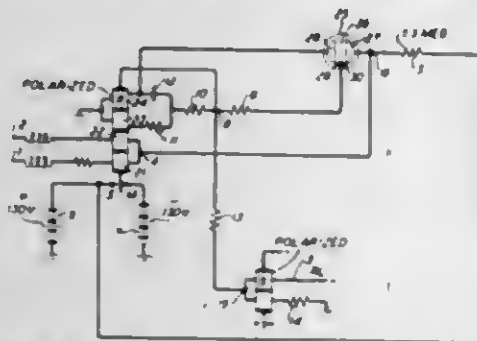


signal means in said circuit operative in response to an open condition of said line, and a responsive protracted spacing condition of said first relay, to indicate that said line is open, said means comprising a second relay slowly responsive to said spacing condition of said first relay, a space discharge device responsive to said second relay, a third relay for transmitting a permutation code signal combination responsive to said space discharge device, an input circuit for said device and a condenser-resistance timing circuit connected to said input circuit, said timing circuit responsive to said third relay.

2,625,609

TELEGRAPH REPEATER

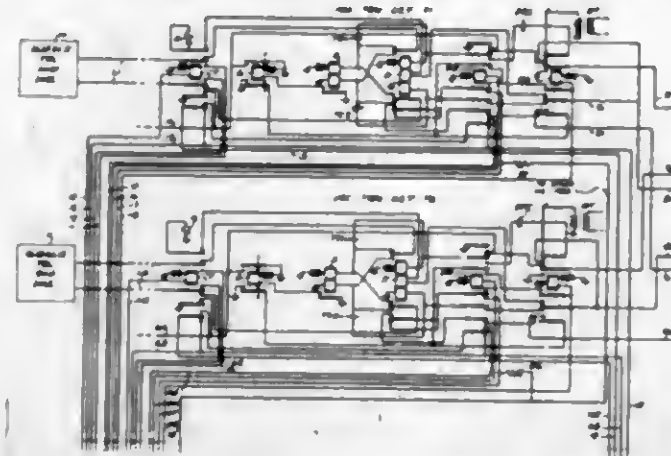
Frank H. Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 15, 1951, Serial No. 226,509
5 Claims. (Cl. 178-70)



1. In a telegraph system a relay, an armature thereon, a vibrating circuit connected to said relay to accelerate transition of said armature between contacts, said relay subject to abnormal vibration of said armature, and a circuit connected to said relay to prevent said abnormal vibration, said circuit comprising a space discharge device responsive to a condition of said relay tending to produce said abnormal vibration and armature holding means on said relay responsive to said space discharge device.

2,625,610
RELAY PERMUTATION-TYPE SWITCHING SYSTEM

Amos E. Joel, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1947, Serial No. 789,789
14 Claims. (Cl. 179-18)

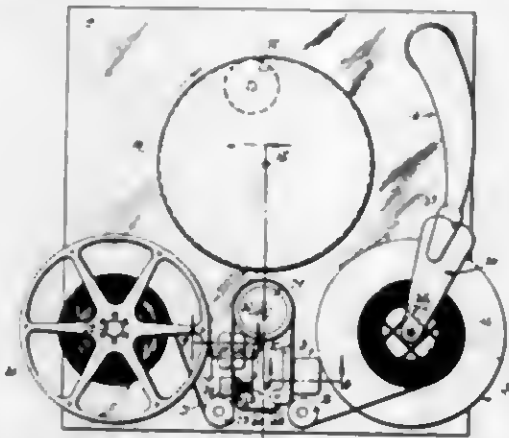


1. A switching device comprising a plurality of incoming conductors, a plurality of outgoing conductors, electromagnetically actuated contact means for simultaneously establishing individual direct metallic connections between said incoming and outgoing conductors in any desired permutation, a plurality of electromagnets controlling said contact means, and control means for selectively energizing any one or any combination of two or more of said electromagnets.

2,625,611

MAGNETIC RECORDING AND REPRODUCING APPARATUS COMBINED WITH DISK REPRODUCERS

Bruce Roberts, Philadelphia, Pa., assignor to The International Electronics Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 11, 1946, Serial No. 715,518
16 Claims. (Cl. 179-100.1)



1. In combination, a deck, a phonograph turntable of smaller diameter than that of disc recordings to be played thereon and a reversible magnetic tape-propelling capstan both mounted above the deck and disposed with their rotational axes spaced apart in a vertical plane, a tape storage reel above the deck and disposed on one side of said plane, a temporary tape reel above the deck and disposed on the other side of said plane, said capstan and portions of said reels being offset from the center of said turntable by a distance greater than the radius of said turntable but less than the radius of a disc recording, and said reels and said capstan being located below the horizontal plane of the top surface of said turntable.

2,625,612

TELEPHONE HOLDER OR SUPPORT

Joseph M. Rheins and Samuel S. Klein, Cincinnati, Ohio
Application June 22, 1951, Serial No. 232,962
1 Claim. (Cl. 179-157)

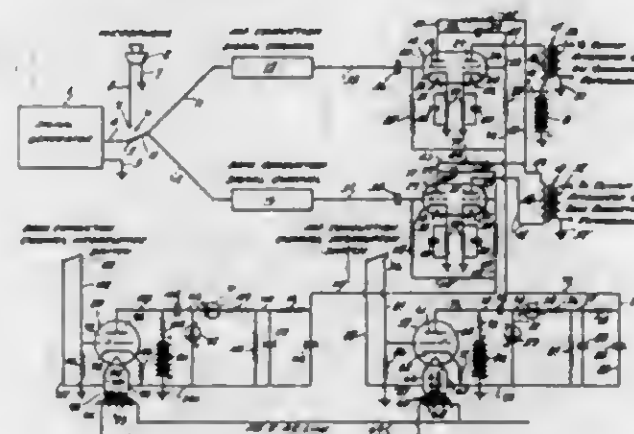


A device of the class described comprising a unitary piece of ribbon-like material having an open loop portion adapted to embrace the back of one's neck with a broad side of the ribbon bearing flatwise against the back of the neck, the ribbon-like material being twisted at one side of the neck loop so that the broad side of the ribbon is substantially at right angles to the broad side of the neck portion, the portion extending forwardly of the twist being bent downwardly to form a chest rest adapted to bear on the chest of the wearer at a point adjacent the collar bone and to one side of the neck, the forward end of said chest rest being bent upwardly and terminating in a loop-clamp in which the handle portion of a telephone may be clamped, the neck loop securing the telephone to the user and the chest rest supporting the telephone and preventing turning thereof out of speaking and listening position.

2,625,613

tone INTERRUPTER FOR AUDIOMETERS

Fred E. Barron, Minneapolis, Minn., assignor to The Malco Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application October 4, 1950, Serial No. 188,324
6 Claims. (Cl. 179-171)

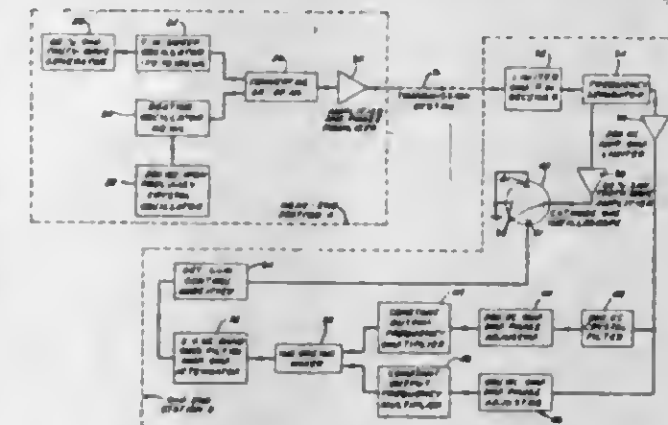


1. In an audiometer, a normally operative first electronic signal amplifier having plate and cathode and control grid elements, a plate circuit for the first amplifier coupled to the electrical output of the audiometer, a source of test signal energy coupled to the control grid of the first amplifier to drive the same, and normally inoperative control means for biasing the first amplifier to plate current cut off to thereby interrupt the delivery of signal energy to the electrical output of the audiometer, said control means comprising a second electronic amplifier having plate and cathode and control grid elements, a normally open control grid driving circuit for the second amplifier, a manually operative interrupter switch controlling the grid driving circuit of the second amplifier, a plate circuit for the second amplifier, and a D. C. control circuit for the first amplifier comprising a rectifier coupled between the plate circuit of the second amplifier and an element of the first amplifier other than the plate thereof for applying a D. C. control potential to the first amplifier responsive to closing of the interrupter switch and resultant energization of the control grid driving circuit of the second amplifier, the polarity and value of the D. C. control potential thus applied to the said element of the first amplifier being such as to bias said first amplifier to cut off.

2,625,614

ENVELOPE DELAY SCANNING SYSTEM

John C. Schelleng, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1950, Serial No. 188,285
3 Claims. (Cl. 179-175.3)



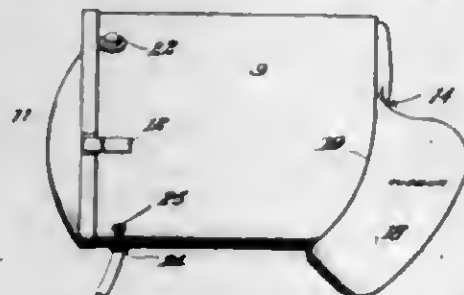
1. In an envelope delay scanning system for testing a transmission system, means for deriving a carrier whose frequency is modulated by a first signal so as to sweep over the band of frequencies normally transmitted over said transmission system, means for additionally modulating said carrier by a second highly stable single frequency signal, means for introducing said doubly modulated carrier into the input end of said transmission system, means for deriving said doubly modulated carrier at the output end of said transmission system, demodulating means for recovering said first signal and said second signal, a first frequency selective means to isolate from said first signal a signal representing the sweep cycle, a second frequency selective means to isolate frequencies representing said second signal and sideband frequencies of said second signal representative of the phase variations encountered in passing through said system, a third frequency selective means to strip said sideband frequencies from said selected second signal, means for comparing the phases of the stripped selected second signal with those of the selected second signal with said sideband frequencies present, and obtaining a third signal indicative of the phase variations represented by said sideband frequencies, a cathode-ray oscilloscope having horizontal and vertical deflecting means, means for impressing said recovered sweep cycle signal on said horizontal deflecting means and means for impressing said third signal on said vertical deflecting means whereby an indication of the envelope delay characteristic of said transmission system is obtained on the screen of said cathode-ray oscilloscope.

2,625,615

SILENT DICTATION MASK

Horace L. Webb, Vienna, Va., assignor to Dictavox Company, Inc., Washington, D. C., a corporation of Delaware

Application May 4, 1948, Serial No. 25,008
2 Claims. (Cl. 179-188)



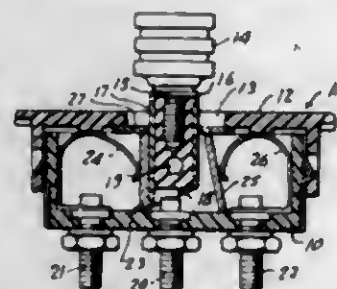
1. Apparatus of the class described comprising a generally tubular casing open at both ends, a face-receiving mask member of resilient material wedge-fitted into one of said ends, said member including a diaphragm disposed across the interior of the casing and extending interiorly thereof inwardly and downwardly and then downwardly and outwardly, a microphone carried by said diaphragm at the downwardly and outwardly extending portion thereof, a face engaging flange returned inwardly from the margin of said diaphragm over said diaphragm with its inner edge spaced from the diaphragm and leaving a space of a shape and size to receive the mouth and nose, an outwardly extending flange on the mask member to engage the face adjacent the chin, the latter flange extending below the casing, said casing at said one end terminating at a surface extending downwardly and rearwardly, said first-mentioned flange corresponding approximately to the direction of said surface, a displaceable closure at the other end of said casing, sound absorbing means within the casing between said diaphragm and said closure, and a control switch on said casing for said microphone.

2,625,616

ELECTRICAL SWITCH STRUCTURE

John B. Parsons, Maumee, Ohio

Application December 20, 1949, Serial No. 134,059
1 Claim. (Cl. 200-6)



Switch mechanism comprising a housing having three binding posts arranged in a row, one of the outermost posts being adapted to be connected to a source of electrical current, a switch arm pivotally mounted intermediate its ends having an outer electrical conductive surface and a projecting portion at one side of and for engagement with the center binding post in response to rocking movement in one direction, the switch arm comprising a sleeve of electrical conductive material having a diagonally cut-off portion on the outer end thereof enabling the switch arm to be rocked in the other direction free of engagement with the center binding post, and spring-tensioned plates on opposite sides of said switch arm and electrically connected to the outermost

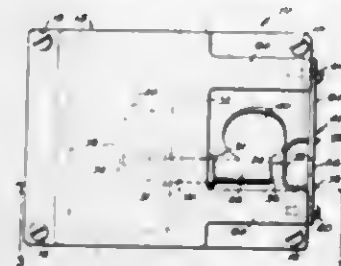
posts whereby rocking movement of the switch arm in said one direction establishes, upon engagement with the center post, an electrical connection between the live end post and the center post, and rocking movement in said other direction establishes an electrical connection between the two outer or end posts independently of the center post.

2,625,617

LOCK-OFF DEVICE FOR ELECTRIC SWITCHES

Richard P. Ballou, Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J., a corporation

Application August 17, 1949, Serial No. 110,731
4 Claims. (Cl. 200-42)



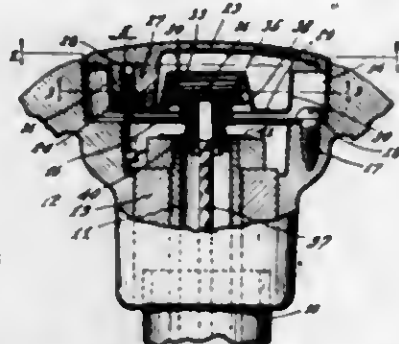
1. In a switch having a weather proof and explosion resisting enclosure, the combination with said enclosure of a movable actuating member having a portion within said enclosure for operating said switch and a portion extending outwardly of said enclosure for operating said member, and lock-off means for said actuating member comprising a plate mounted exteriorly of said enclosure and spaced laterally outwardly from said latter portion, and a lock-off member slidably mounted on said plate and extending into the path of movement of said latter portion, said lock-off member being movable from a neutral position on said plate, clear of the path of movement of said latter portion, to an operative position in engagement with said latter portion to prevent the movement of said actuating member, said enclosure being provided on the outer surface thereof with spaced laterally extending ribs and said latter portion being disposed between confronting rib surfaces, said plate extending transversely of said ribs and said lock-off member being disposed for movement between said confronting surfaces.

2,625,618

HORN BUTTON SWITCH

William K. Creson, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a corporation of Indiana

Application March 16, 1951, Serial No. 215,922
7 Claims. (Cl. 200-59)



1. In a horn-button switch, a base plate adapted to be secured at the bottom of a recess in a steering wheel, said base plate having an annular series of upwardly projecting members,

a horn-button, and a plurality of inserts attached to said horn-button and aligned respectively with said members, each of said inserts having an opening receiving the aligned member, said members having above said inserts heads which are larger than the openings, said inserts being of elastic material whereby said openings may be elastically enlarged to permit passage of the heads therethrough.

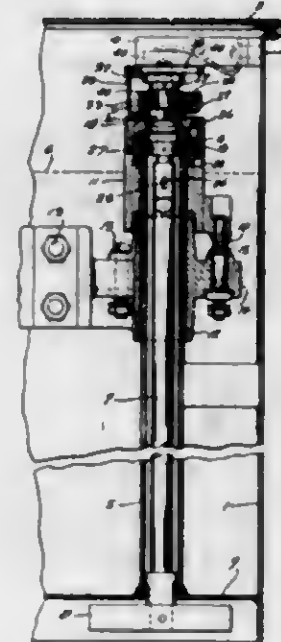
action for operating said pivoted lever, said lever comprising a plate element having pivot suspension points at each end with means in between for engaging said toggle acting means, means having recesses on their surfaces for supporting and engaging said pivot points, spring means bearing against the ends of said pivot points at the end of said recess means and contact means positioned to engage said pivoted lever to complete an electrical circuit.

2,625,619

TRANSFORMER TAP CHANGER

Max Rigert, Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware

Application August 7, 1948, Serial No. 43,041
4 Claims. (Cl. 200-66)



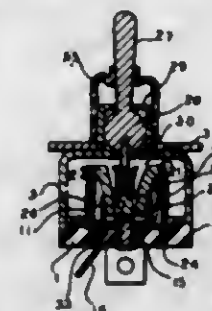
1. A transformer tap changer arranged to operate under load comprising in combination with a container arranged to contain oil, a plurality of stationary contacts arranged in a circle and submerged in said oil, a rotary contact member arranged to contact said stationary contacts and to rotate to successive positions, a tube extending upwardly from the bottom of said container to a point above the oil level and constituting a housing for said shaft, a rotary shaft extending upwardly through said tube for operating said rotary contact member, external means located below the bottom of said container for operating said shaft, and sealing means for sealing the upper end of said tube.

2,625,620

TOGGLE SWITCH

Oscar H. Hasselbaum, Arlington, Mass., assignor to Joseph Pollak Corporation, Dorchester, Mass., a corporation of Massachusetts

Application May 12, 1949, Serial No. 92,880
5 Claims. (Cl. 200-67)



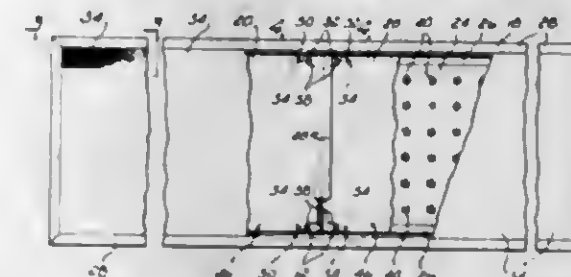
1. A toggle switch of the type described having a pivoted contact lever, means providing a toggle

2,625,621

ELECTRIC MAT SWITCH

Sheldon S. Roby, Meriden, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application February 11, 1950, Serial No. 143,769
5 Claims. (Cl. 200-86)



1. A switch of the floor mat type comprising an upper contact plate, a lower contact plate, a perforate elastic insulating sheet interposed between said plates, said elastic sheet being substantially coextensive with said plates and contiguous therewith, a thin metallic positioning element overlying a portion of said insulating sheet and engaging one of said contact plates, said positioning element having at least one integrally formed contact button projecting into a perforation in said insulating sheet in normally spaced relation to said other contact plate, said positioning element being arranged for movement with said insulating sheet to effect engagement between said contact button and said other contact plate upon the application of pressure to said one contact plate, and said insulating sheet being arranged to separate said contact button and said other contact plate upon release of said pressure.

2,625,622

LAMP STARTER

Frederick H. Rixton, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 25, 1950, Serial No. 164,183
7 Claims. (Cl. 200-113.5)



1. A glow switch for the starting of fluorescent lamps of varying wattages comprising an enclosing envelope provided with an ionizable medium therein at a pressure of about 50 mm., a pair of electrodes disposed in said envelope between which a glow discharge occurs during operation of said glow switch, one of said electrodes being a bimetallic element heated by the flow discharge and deflectable into engagement with the other of said electrodes to extinguish the glow discharge, the other of said electrodes having a surface area

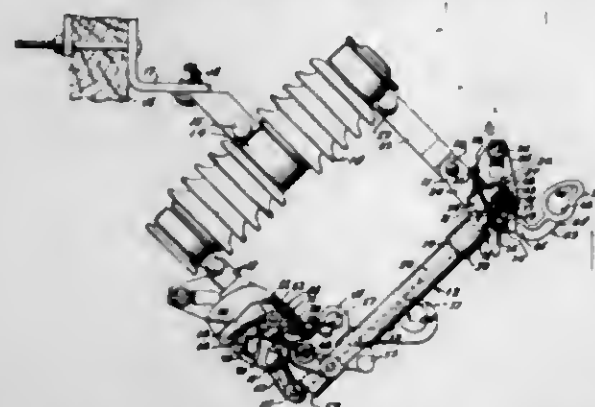
not less than .016 or more than .024 square inch for increasing the resistance of said glow switch at the instant of separation of said electrodes upon cooling of said bimetallic electrode, and a getter flag disposed in said envelope without increasing the surface area of the other of said electrodes beyond .024 square inch.

2,625,623

METHOD AND APPARATUS FOR BREAKING ELECTRICAL CIRCUITS UNDER HEAVY LOAD

Ralph J. Baskerville, Drexel Hill, Pa., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application March 8, 1952, Serial No. 275,626
18 Claims. (Cl. 200-114)



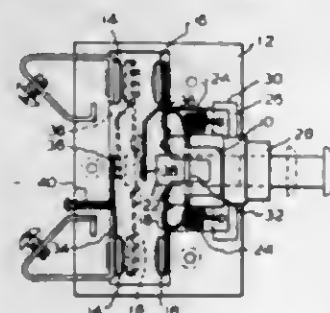
1. In a load-break switch, the combination of an insulating support with a pair of contact arms carried by said support, a fuse tube unit hingedly mounted on one of said contact arms and provided with a fuse controlling the release of said unit from the other contact arm, and a force-multiplying lever movably mounted directly upon said support and located to place a tension on said fuse to break it physically within the tube, the said fuse tube unit being adapted to operate independently of said force-multiplying lever when the fuse melts responsive to an overload.

2,625,624

CIRCUIT BREAKER WITH SHUNT FOR CHANGING CURRENT RATING

Richard C. Ingwersen, Jackson, Mich., assignor to Mechanical Products, Inc., Jackson, Mich., a corporation of Michigan

Application December 22, 1949, Serial No. 134,478
3 Claims. (Cl. 200-116)



1. In an electric circuit breaker having overload protection and comprising a pair of fixed contacts, a pair of movable contacts in opposed relationship to said fixed contacts, structure supporting said movable contacts for movement toward and from said fixed contacts, said structure including bimetallic latch structure in electrical series with said movable contacts, fixed guide structure on which said first structure is supported and guided for movement toward and from said fixed contacts, and an abutment on said

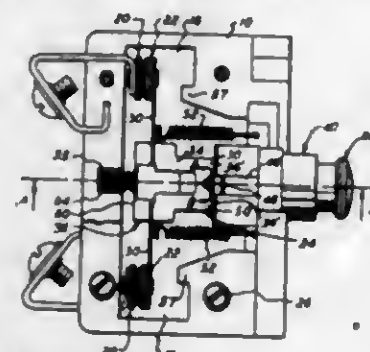
fixed structure with which said latch structure engages to hold the movable contacts closed against the fixed contacts with the latch structure operative to automatically disengage said abutment upon the occurrence of a predetermined electrical overload, the provision of electrical shunt means carried at least in part by said movable contacts and arranged in electrical parallel relationship with respect to the current conducted by said movable contacts, said electrical shunt means including a metal conductor strip carried by one of said movable contacts and connected to conduct current between said movable contact and its corresponding fixed contact in parallel electric flow relationship to said one movable contact, said shunt conductor strip having a higher current rating than that of the said latch structure, said higher current rating corresponding to maximum current overload.

2,625,625

FREE TRIP CIRCUIT BREAKER

Richard C. Ingwersen, Jackson, Mich., assignor to Mechanical Products, Inc., Jackson, Mich., a corporation of Michigan

Application June 2, 1950, Serial No. 165,780
9 Claims. (Cl. 200-116)



1. In an electric circuit breaker having overload protection, casing structure, fixed contact means in said casing, movable contact means in said casing in opposed relation to said fixed contact means, a thermal latch connected for movement with said movable contact means, said thermal latch being responsive to the heat of the electric current flow, abutment structure in said casing with which said thermal latch engages to hold the movable contact means in closed relation to said fixed contact means, spring means operatively associated with said movable contact means, said spring means being tensioned when the latch is engaged, and a manual actuator adapted to cooperate with said thermal latch to set the latch in engagement with said abutment structure, means mounting said movable contact means and the associated thermal latch for movement as a unit relatively to said actuator in the contact opening direction, due to distortion of the thermal latch upon the occurrence of a predetermined current overload, whereby to free the latch from said actuator and abutment structure and permit said movable contact means to be moved to open position by the tensioned spring means.

2,625,626

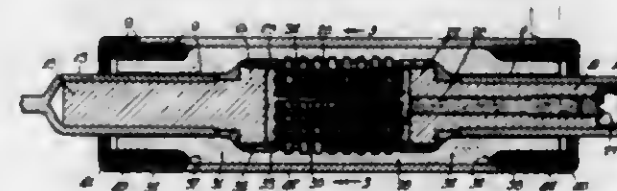
HIGH-CAPACITY CURRENT LIMITER

Irving F. Matthyse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York

Application December 2, 1948, Serial No. 63,092
5 Claims. (Cl. 200-120)

1. A current limiter comprising a terminal and fusible element assembly having an en-

larged central section, an insulating shell made into a plurality of parts having an enlarged central portion forming a housing to enable said enlarged portion of the shell to be mounted over and spaced from the enlarged section of the terminal and fusible element assembly to prevent longitudinal movement of said assembly with respect to said shell, supporting means



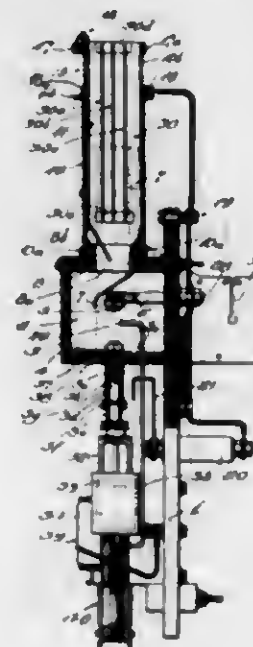
mounted on said shell to hold the plurality of shell parts together about the terminal and fusible element assembly, said enlarged portion of the shell containing an arc suppressing medium positioned about the enlarged section of the terminal and fusible element assembly, said terminals extending beyond said shell for attachment to a plurality of conductors.

2,625,627

HIGH-VOLTAGE CONTACTOR SYSTEM

Frederick Y. Grepe, Toronto, Ontario, Canada, assignor to Canadian Controllers, Limited, Toronto, Ontario, Canada

Application March 19, 1947, Serial No. 735,634
In Canada February 27, 1947
15 Claims. (Cl. 200-147)



1. In a high voltage contactor system, a set of relatively movable circuit closing and opening contacts, a walled arc pressure chamber enclosing said contacts, and having a restricted outlet in a chamber wall, arc runners adjacent said contacts, a free vent open at the top constituting a chimney projecting upwardly from said pressure chamber, in communication with the chamber through the outlet, one of said arc runners extending vertically upward from the arc pressure chamber through said vent and a coaxing arc runner in said vent in a position interiorly thereof diametrically opposite said last mentioned arc runner, whereby the arc is forced to follow a predetermined path upwardly through said vent under the action of a blast resulting from an arc formed in said arc pressure chamber.

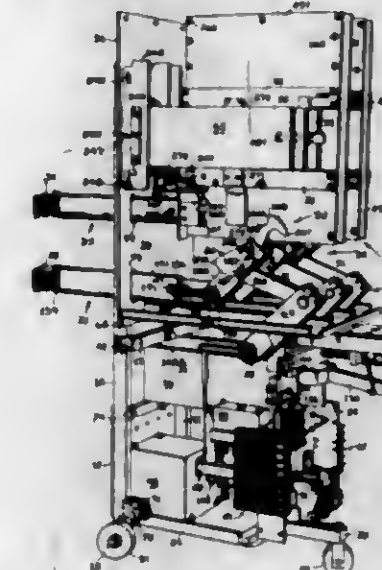
2,625,628

HIGH-VOLTAGE CIRCUIT BREAKER

Joseph D. Wood, Upper Darby, Pa., assignor to I T E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application January 11, 1947, Serial No. 721,648. Divided and this application June 28, 1947, Serial No. 757,739

2 Claims. (Cl. 200-147)



1. In a circuit breaker for protecting an electrical system, a first contact, a blow-out coil having one terminal connected to said first contact, a conductor having a U-shaped notch, an insulation block between said first contact and conductor for spacing said contact from said conductor, the second terminal of said coil being connected to said conductor, a movable contact for cooperating with said first contact, an arcing horn on said movable contact, the forward portion of said arcing horn extending into said U-shaped notch and spaced a predetermined distance from said conductor when said movable contact engages said first contact, said conductor being positioned above said first contact, a magnetic circuit energized by current flowing in said blow-out coil, said magnetic circuit including magnetic material extending from above said conductor downwardly toward said conductor so that on separation of the movable contact from said fixed contact in response to a fault current in said system being protected by said circuit breaker, the distance from said conductor to said arcing horn does not change substantially during the first movement of said movable contact and the arc formed between said fixed and movable contact is driven upwardly against said insulation block and to said conductor when said fixed and movable contact separation has reached a distance at which the impedance of the gap from said fixed contact to said conductor and from said conductor to the forward portion of said arc horn is less than the impedance from said fixed to said separated movable contact, the voltage drop across the gap from the fixed contact to said conductor produced by the arc thereacross appearing across said coil.

2,625,629

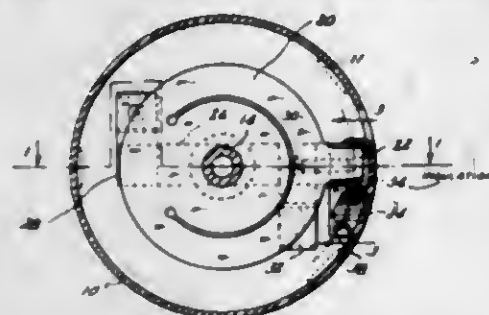
OVER AND UNDER ACTUATOR FOR ELECTRIC SWITCHES

John S. Coldwell, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application August 28, 1950, Serial No. 181,904
11 Claims. (Cl. 200-154)

1. In an electric switch having relatively movable contacts, a flexible actuator having a nor-

mal path of travel in said path for engaging one of said contacts to control the movement of said contacts, and cam means in said path for flexing



said actuator from said normal path, said actuator upon release from said cam means controlling the movement of said contacts with a snap action.

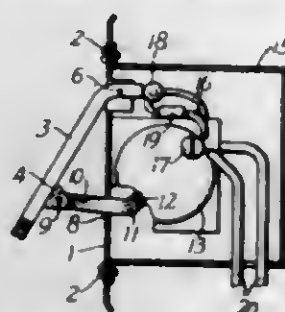
2,625,630 SWITCH

Howard W. Eckles, St. Louis, Mo., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application January 10, 1949, Serial No. 70,029
5 Claims. (Cl. 200-164)



1. A switch comprising a base member containing a pair of contact points, an actuating lever pivotally mounted on said base member, a movable contact support member containing a pair of contact points pivotally fastened to said actuating lever, an elongated notch in one edge of said support member between the movable contact points, a rod-like member secured to the actuating lever and having the free end thereof extending through said notch, a coiled spring disposed around said rod-like member between the actuating lever and the support member, a cupped washer slidably disposed on the rod-like member adjacent the support member to receive one end of the spring, and a removable stop member adjacent the end of said rod-like member preventing it from being withdrawn through said notch.

2,625,631
INDICATOR FOR ELECTRICAL SWITCHES
Eugene T. Chrysler, Whitestone, N. Y.
Application January 4, 1950, Serial No. 136,810
9 Claims. (Cl. 200-167)



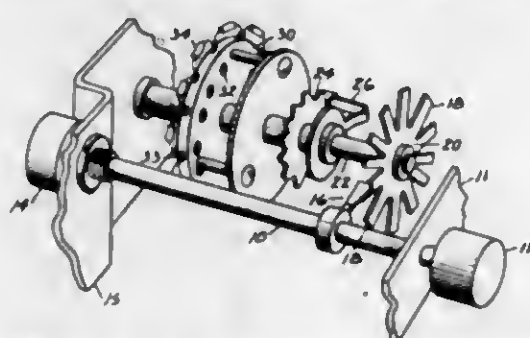
1. An electrical switch comprising, a light-transmitting actuating member which has a push

plate portion and a bent portion extending from one end thereof in a plane substantially transverse to the plane of said push plate portion having the property of substantially refracting light, switch-means operable by uni-directional motion and connected with said actuating member, spring-means for returning the actuating member to an effective position, and a low-power input illuminating means detachably attached to the said switch and adjacent to the end of said curved portion of the actuating member whereby light is transmitted internally through said push plate portion to illuminate the edges thereof and distinctive figures thereon.

2,625,632

CONTROL APPARATUS

John Onia, Berkley, and Genrik S. Sirvis, Detroit, Mich., assignors to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application August 21, 1950, Serial No. 180,586
3 Claims. (Cl. 201-48)

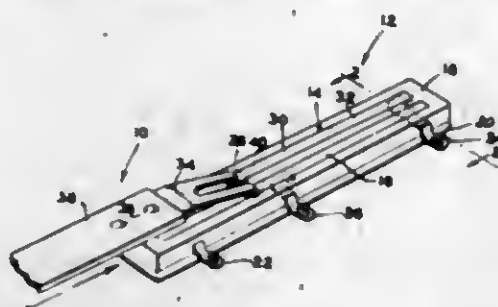


1. Apparatus for providing a continuously variable resistance over a wide range of values, including, a rotatable shaft, a potentiometer, a rotatable arm on the potentiometer and carried by the shaft for providing minute variations in the potentiometer resistance, a contact arm carried by the shaft, a second shaft, a cam carried by the second shaft, a plurality of fingers on the cam positioned to engage the contact arm on the first shaft upon each complete revolution of the contact arm, a switch supported on the second shaft and having a plurality of contacts, a plurality of resistances each connected between a pair of adjacent contacts and having electrical continuity with the potentiometer, and a contact arm for sequentially engaging the contacts on the switch upon complete revolutions of the potentiometer arm.

2,625,633

POTENTIOMETER

Adolph Warsher, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 31, 1949, Serial No. 136,270
5 Claims. (Cl. 201-62)



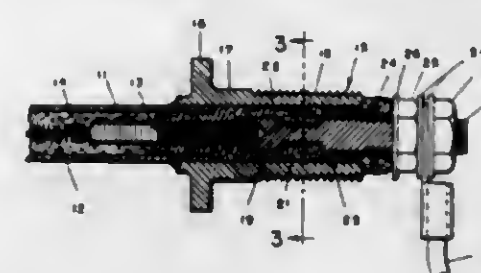
1. A potentiometer comprising a linear resistance track for having a source of electric power connected thereacross, said resistance track comprising a center portion consisting of a high resistance material and end portions consisting of a

low resistance material, said portions forming a continuous stepless track, a linear conducting track mounted in parallel relation to said resistance track and insulated therefrom, and a sliding jumper between said tracks adapted to move along the entire length of said tracks whereby a voltage proportional to the position of said jumper on said mid-portion of said resistance track will appear on said collector track but a substantially constant voltage will be on said collector track when said slider is on either end portion of said track.

2,625,634

ELECTRIC HEATING

Sidney J. Temple, Swissvale, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1950, Serial No. 182,359
8 Claims. (Cl. 201-67)



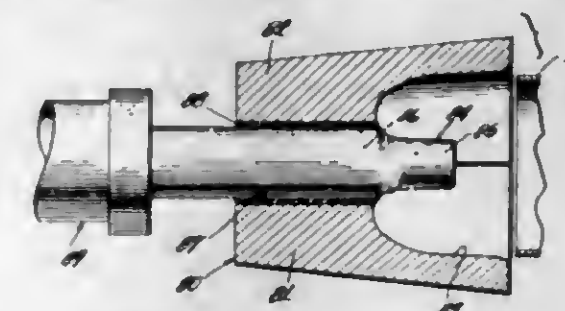
1. An embedded-resistor electric heater comprising an open-ended tubular sheath, an electrical resistor disposed within said sheath, a resistor terminal member secured to one end of said resistor, an electrically insulating and heat conducting refractory material embedding said resistor in said sheath, at least a portion of the length of said terminal member being free of said embedding refractory material and accessible through the open end of said sheath, a tubular fitting secured to the open end of said sheath and continuing the tubular length of said sheath, said tubular fitting being adapted to extend through a wall, a terminal extension secured to the said terminal member and extending outwardly from the open end of said sheath and, through said tubular fitting, at least a part of said terminal extension being irregular in cross-section, a refractory material embedding at least a portion of the irregular cross-sectional part of said terminal extension and thereby holding said terminal extension against rotation relative to said sheath, an external flange on said tubular fitting adapted to engage one face of a wall through which the tubular fitting extends, and an external threaded section on said tubular fitting in advance of said flange for receiving a nut for drawing said flange into sealing relation with said wall face.

2,625,635

APPARATUS FOR AND METHOD OF TUBE FORMING

Axel Westin, Milwaukee, and Sven Westin, Elm Grove, Wis., assignors to The Westin Process Company, a partnership
Application June 15, 1949, Serial No. 99,217
8 Claims. (Cl. 219-3)

3. Apparatus for forming a tube with an integral reentrant end portion, comprising: forming means having a die-cavity configured to turn-in an end of said tube, and also having a plug positioned for engagement with said turned-in end

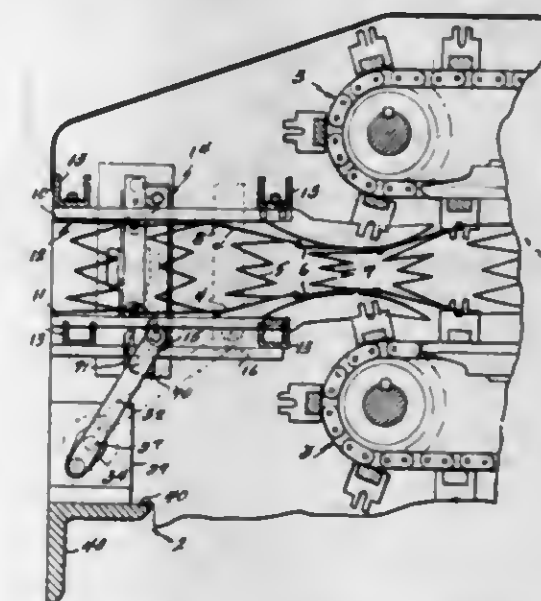


forming means and being movable with said tube end.

2,625,636

APPARATUS FOR CRIMPING HELICAL SPRINGS IN INNERSPRING CONSTRUCTION

Joseph Gauci, Jersey City, and Aloysius J. Quinn, North Bergen, N. J., assignors to Comfort Spring Corporation, Baltimore, Md., a corporation of Maryland
Application December 28, 1949, Serial No. 135,342
14 Claims. (Cl. 219-3)



1. Apparatus for crimping a helical of an innerspring unit wherein the helical has a free end extension from the springs engaged thereby comprising means for exerting axial pressure on the extremity of said free end of the helical extension, and means for passing an electric current through said pressure exerting means, said free end extension, and through the springs engaged thereby, to heat the free end extension to an annealing temperature whereby the axial pressure compresses the helical.

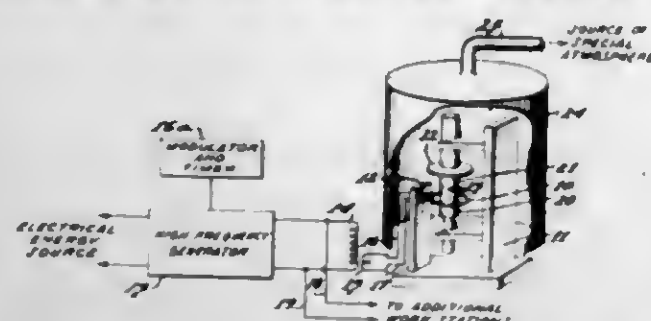
2,625,637

HIGH-FREQUENCY INDUCTION WELDING APPARATUS AND PROCESS

Lloyd P. Garner and William N. Parker, Lancaster, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application March 30, 1948, Serial No. 17,824
5 Claims. (Cl. 219-4)

2. In an induction welding system including an oscillator, the improvement comprising a modulator and timer for controlling the output of said oscillator to provide a cycle including a relatively long preheat period, a relatively short welding period and a relatively long post-heating period for securing a good weld, said modulator

and timer including a plurality of stators of arcuate form circular arrayed, two of said stators having a relatively large arcuate extent, a third stator between said two of said stators and having a relatively small arcuate extent, a fixed voltage supply for each of said stators, the voltage supply for said third stator being higher in the direction of one polarity than the voltage supplies of said two of said stators, and a rotor

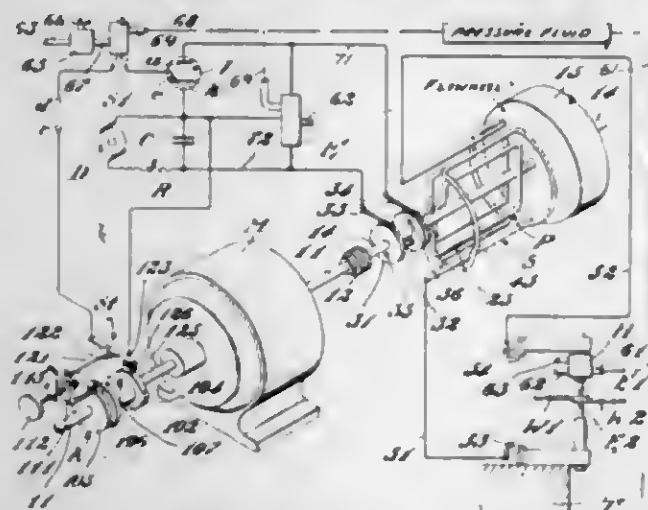


including a contact member having less arcuate extent than any one of said stators and rotatable at a constant velocity for individually and successively contacting said stators, whereby electrical connection of said rotor to the input of said oscillator provides a successively different energization of said oscillator for successively different time intervals for providing said pre-heat, welding and post-heating periods of said welding system.

2,625,638

WELDING SYSTEM

Harold J. Graham, Highland Park, Mich., assignor to Graham Manufacturing Corporation, Ferndale, Mich., a corporation of Michigan
Application September 2, 1950, Serial No. 183,060
18 Claims. (Cl. 219-4)



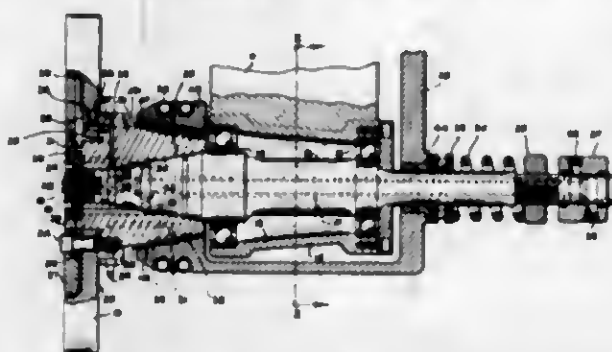
1. Electric welding apparatus which comprises relatively movable primary and secondary windings operative to induce impulses upon passing through a certain relative position, motor means for driving one of said windings, fly wheel means coupled to said motor means and respective windings, a source of exciting current including capacitor means connected to said primary winding, an adjustable timing switch actuated by said motor means dependent upon said relative position of said windings, a normally open main control switch, relatively movable electrode means connected to said secondary winding, means for moving said electrode means, electric valve means having anode, cathode and control electrode, an excitation circuit including in series connection said anode and said cathode, said capacitor means and said primary winding, a control voltage supply, a valve control circuit including in series connection said cathode, said timing switch, said main control switch, said voltage

supply and said control electrode, and means for closing said main switch coincident with a predetermined relative position of said electrodes, for firing said valve means under control of said timing switch and said electrode moving means.

2,625,639

SEAM WELDER HEAD

Edwin A. Mallett and Melvin M. Seeloff, Warren, Ohio, assignors to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application November 8, 1950, Serial No. 194,682
10 Claims. (Cl. 219-4)

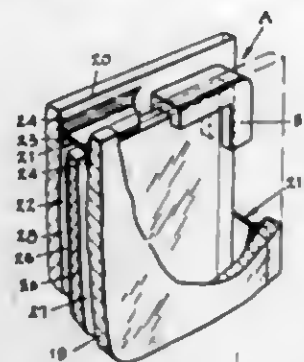


1. In apparatus for rotatably supporting and conducting welding current to a rotary resistance welding electrode the combination of a projecting support having a longitudinal bore therein adjacent its free end, a shaft anti-frictionally journaled in said bore and having a tapered outer end portion, a hub of current-conductive material mounted on said tapered outer end portion and adapted to mount said rotary welding electrode, said hub having a tapering outer surface, a current conductive member having a pocket fitting over and about said free end of said support and having an integral collar portion encircling the outer taper of said hub at one end of said bore and an integral wall portion at the other end of said bore, said current conductive member being movable relative to said support, said shaft extending rearwardly through said wall, means on said shaft outwardly of said wall to urge said shaft in one longitudinal direction while urging said member and collar in the opposite longitudinal direction, said collar having an inner taper complementary to the outer taper of said hub, the arrangement of the parts being such that said collar is tightened onto the outer taper of said hub by action of said urging means.

2,625,640

MULTIPLE GLASS SHEET GLAZING UNIT

Romey A. Gaiser and Charles M. Browne, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 5, 1950, Serial No. 177,948
9 Claims. (Cl. 219-19)



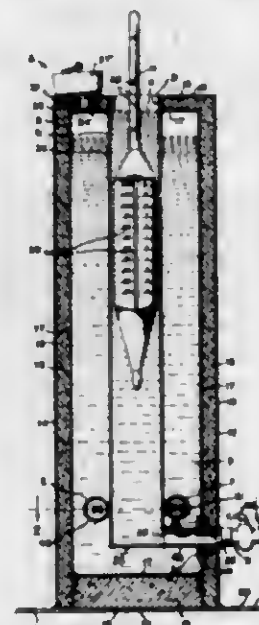
1. A multiple glazing unit, comprising two sheets of glass spaced from one another to pro-

vide a chamber therebetween, separator means arranged between the glass sheets around the marginal portions thereof, a panel arranged between the glass sheets, means for supporting the panel in spaced relation to the separator means, an electrically conductive coating carried by said panel, and means connected with said coating for transmitting current thereto.

2,625,641

GRAVITY SAMPLE HEATER

Audrey L. Jenkins, Delhi, La.
Application April 2, 1951, Serial No. 218,835
3 Claims. (Cl. 219-38)



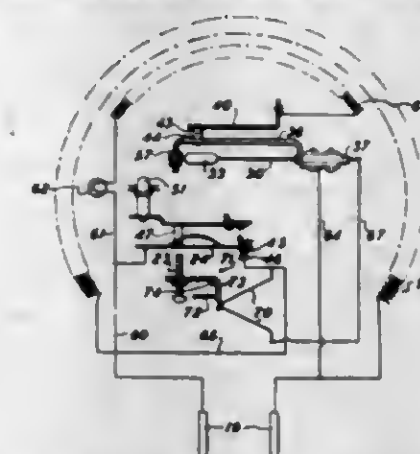
1. A sample heater, including a housing having walls, including a side wall, defining a chamber and including an upper wall and an upstanding wall, said upper wall having a sample tube-accommodating opening therethrough and a filler opening to said chamber, and said upstanding wall having two openings therethrough with their axes spaced from the axis of the first opening, a sample tube in said first opening, draining means at the bottom portion of said tube and opening exteriorly of said housing at said side wall thereof, a heating element, having a housing, in one of said two openings and a thermostat, having a housing in the other of said two openings, said housings of said heating element and thermostat extending into said chamber very close to said sample tube and said heating element being very close to said draining means.

2,625,642

AUTOMATIC HEATER FOR COFFEE MAKERS AND THE LIKE

George B. Davis, Jr., Washington, D. C.
Application March 31, 1947, Serial No. 738,310
1 Claim. (Cl. 219-43)

A stove for vacuum-type coffee makers comprising a resiliently mounted vessel supporting surface, an electric heating element arranged in proximity to said surface, an energizing circuit for said heating element, a switch arranged in the circuit for controlling the latter, an actuator for said switch and operatively engageable therewith to effect movement of the switch to an "off" position, a thermo responsive wire engaged with said actuator and normally retaining the same out of engagement with said switch, and an inertia switch connected in circuit with said thermo responsive wire to produce a series of pulses of current through said wire to heat the latter

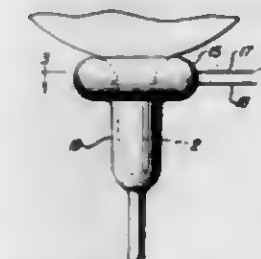


effect a movement of said switch to "off" position.

2,625,643

HEATED MILKING APPARATUS

Nat Cordis, Bassett, Wis.
Application July 25, 1947, Serial No. 763,557
2 Claims. (Cl. 219-46)

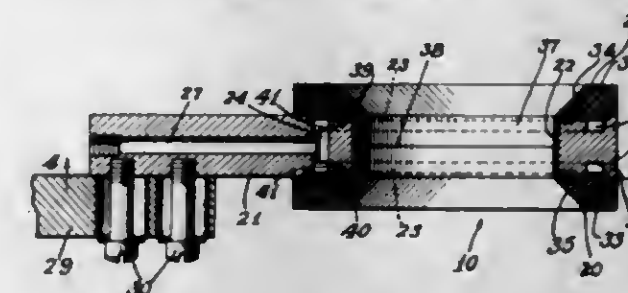


1. A heating accessory for use in milking of cows which comprises a solid elastic heat-conducting ring of rubber adapted to yieldingly encircle a teat at its junction with the udder, an extendable electrical high resistance heating unit consisting of a circumferentially expandable nickel-chromium wire coil embedded in heat conducting relation below the surface of said elastic solid ring and having exposed terminals, and flexible electrical leads connected to the terminals of said coil for applying electrical current to said coil, whereby a heating accessory conforming to the lower portion of the udder and encircling the teat near its junction with the udder is provided for supplying heat to the udder during the milking operation.

2,625,644

INSULATED INDUCTOR BLOCK FOR DESCALING METALS

Christian O. Parish, Rock Island, and Homer F. Kincaid, Carbon Cliff, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 2, 1950, Serial No. 165,618
1 Claim. (Cl. 219-47)



A heating device for descaling elongated metal articles comprising a single coil inductor block having laterally spaced substantially parallel side

surfaces, said block having a transversely positioned enlarged work receiving bore extending therethrough and providing openings in said side surfaces, the bore being adapted to surround an object to be heated, a groove in each side surface, each groove being substantially concentric with and laterally spaced with respect to the adjacent opening in said side surface, one end of each groove terminating in laterally spaced relation with respect to its other end, an inlet bore extending transversely through the block and connecting both grooves at one end of each groove, an outlet bore extending transversely through the block and connecting both grooves at the other end of each groove, inlet and outlet conduits in said block respectively connecting said inlet and outlet bores, a plate of non-conductor material secured to each parallel side surface, said plates providing covers for said grooves and said inlet and outlet bores, each of said plates having an opening there-through registering with the work receiving bore, an annular collar of non-conducting material disposed within the bore for covering the wall of said bore, and outwardly projecting annular flanges on said collar, said flanges being contiguous to said non-conducting plates.

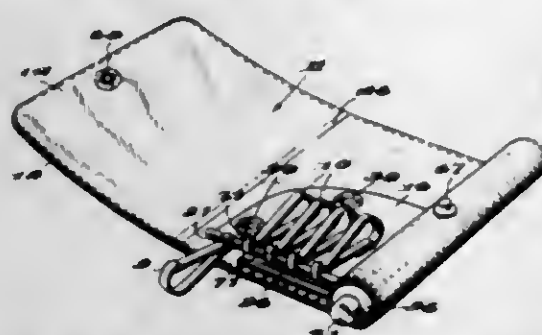
2,625,645

ILLUMINATED KEY CASE

Paul T. Crane, New York, N. Y.

Application November 10, 1950, Serial No. 195,076

5 Claims. (Cl. 240-6.4)



5. In a key case and electric lamp combination, a key case, an electrically conductive member mounted on the case having an edge adjacent an end of said case, a key clasp mounted for pivoting movement on said member at said edge so to swing to an extended position outwardly of the case, a second electrically conductive member mounted adjacent said edge and spaced from the first member and lying in a path of pivoting movement of the key clasp as it swings to an outward extended position, an electrical source mounted on the case, means connecting one side of the source to one member, a lamp bulb mounted on the case, electric circuit means including therein said lamp bulb connecting the other side of said source to the other member, whereby the lamp bulb is energized when the key clasp swings into engagement with the second member and electrical contact therewith maintained by retaining the clasp in the extended position.

2,625,646

LIGHTING FIXTURE WHICH MAY BE USED INDIVIDUALLY OR ATTACHED TO SIMILAR FIXTURE

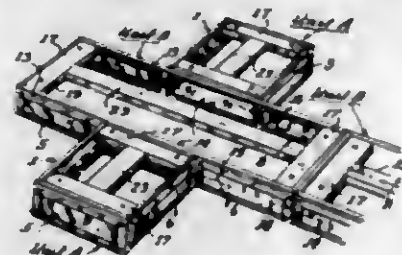
Herman L. Goebel, Chicago, Ill., assignor to Mitchell Manufacturing Company, Chicago, Ill.

Application March 9, 1949, Serial No. 83,736

7 Claims. (Cl. 240-9)

1. A fluorescent lighting system comprising in combination a plurality of independent self-

contained lighting fixture units, each fixture having a pair of sockets for supporting a fluorescent tube, said combination including at least two lighting fixture units joined together, one of said units being substantially square in plan and having substantially identical rectangular side and end walls, and each provided with similar sized and shaped openings to receive interchangeable light transmitting panels, the second unit being substantially rectangular in plan and having end walls corresponding substantially in size to the side and end walls of said first unit



and being complementary thereto, said second unit having substantially rectangular side walls constituting a multiple of said side and end walls of said first unit and being divided into sections each complementary to the end walls of said first unit, the end walls and sections of said second unit provided with openings similar in size and shape to said first unit to receive said interchangeable panels and whereby said units may be selectively joined in abutting relation adjacent any of said openings after removal of adjacent panels.

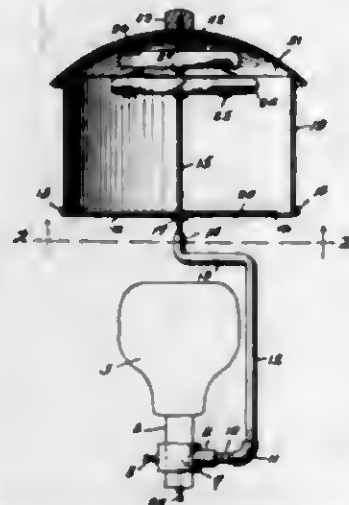
2,625,647

RAINFOOF FLUORESCENT LAMP FIXTURE

Alexander Wythe Hanger, Staunton, Va.

Application May 8, 1951, Serial No. 225,181

1 Claim. (Cl. 240-11.2)



In a lamp fixture of the class described, a tubular support having its upper end threaded, supporting means for securing a lamp tube at the upper end of the tubular support, a circular housing through which the tubular supporting member extends and in which said lamp tube is positioned, said housing comprising a transparent casing, a spider secured on the tubular support in spaced relation with the threaded end thereof, held against movement longitudinally of the support on which said casing rests, a disc resting on said spider providing a bottom for said housing mounted on the spider, the edge of the disc being spaced from the wall of the housing, providing a ventilating space, a cover removably secured on the upper end of the tubular support closing the upper end of the casing, and a nut on the threaded end of the tubular support engaging the casing, securing the bottom and cover on said tubular support.

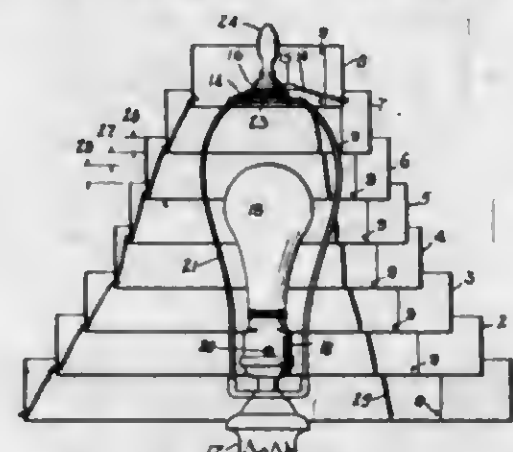
2,625,648

COLLAPSIBLE AND INVERTIBLE LAMP SHADE

Fred S. Zenda, Cuyahoga Heights, Ohio

Application January 20, 1951, Serial No. 206,944

3 Claims. (Cl. 240-108)



1. In a lamp shade having a generally tapered, stepped form and designed to be positioned in surrounding, horizontal light shielding relation around the light source of a table lamp and the like, the combination of several bands of thin, strip material radially spaced apart from one another for passage of light vertically between adjacent bands and through the smallest band and vertically offset from one another to define such generally tapered, stepped formation of the shade and to afford horizontal light shielding, and continuous outwardly and downwardly extending flexible bead chains secured at longitudinally spaced intervals therealong to said bands at peripherally spaced points around the latter to suspend said shade from the smallest band and to render said shade collapsible by nesting together of said bands and also invertible, each of said bands being formed at each of such peripherally spaced points and adjacent the bottom edge thereof with an opening smaller than the beads of the chain secured thereto to receive therein the link portion between successive beads and with a slit leading from such opening to such bottom edge through which slit such link portion is snapped to position the same in such opening.

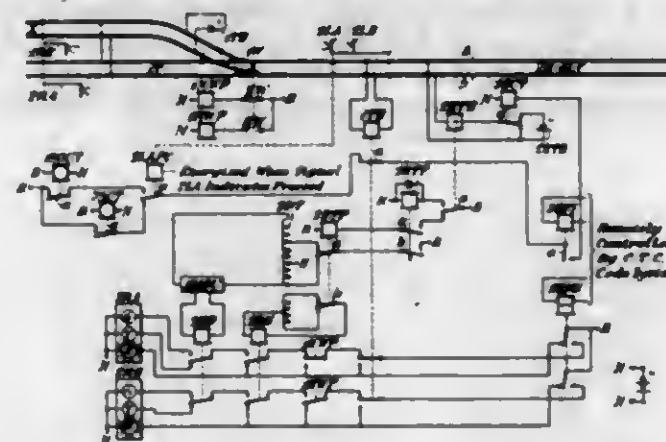
2,625,649

DIRECTIONAL RELAY CONTROL CIRCUITS FOR RAILWAY SIGNALING SYSTEMS

Crawford E. Staples, Turtle Creek, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

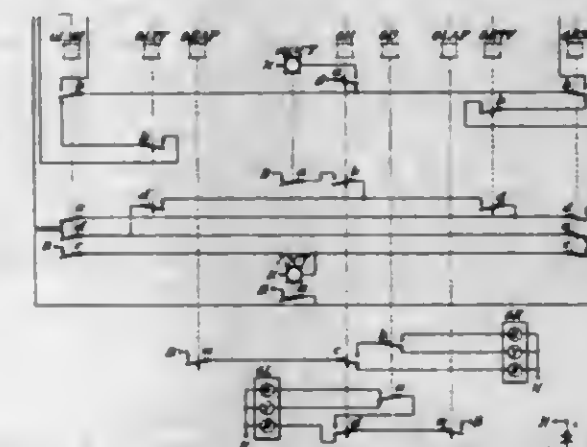
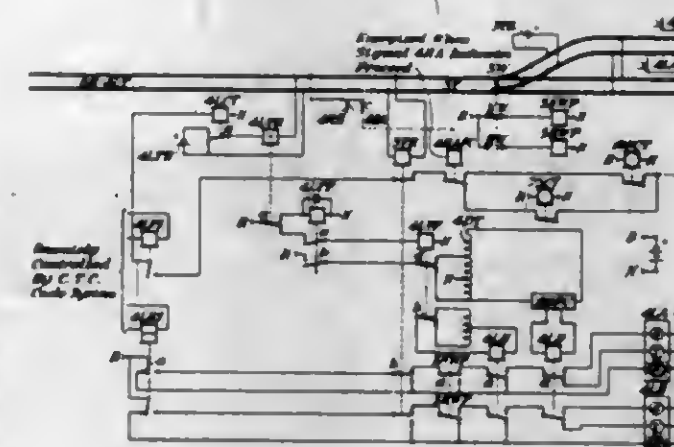
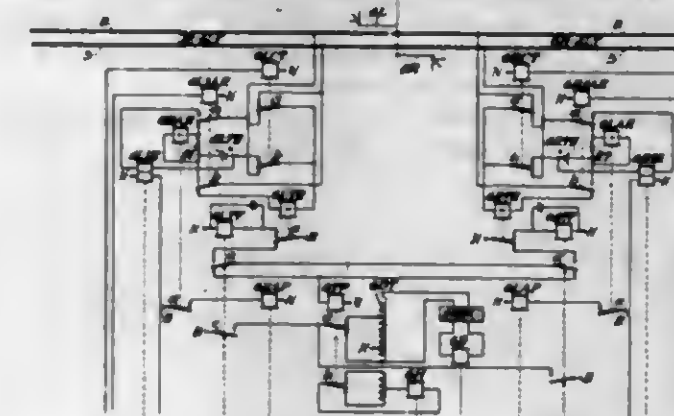
Application March 10, 1950, Serial No. 148,967

2 Claims. (Cl. 246-33)



1. In a coded track circuit signaling system, in combination, a stretch of railway track comprising adjoining first and second track sections,

first code transmitting means for at times supplying coded energy of a first polarity to the rails of said first section at the end thereof remote from said second section, a first code following track relay connected across the rails of said first track section at the end thereof nearest said second section and responsive only to energy of said first polarity supplied thereto, second code transmitting means for at times supplying energy of a second polarity to the rails of said first section at the end thereof adjacent said second section, a second code following track relay connected across the rails of said first section at the end thereof remote from said second section and responsive only to energy of said second polarity

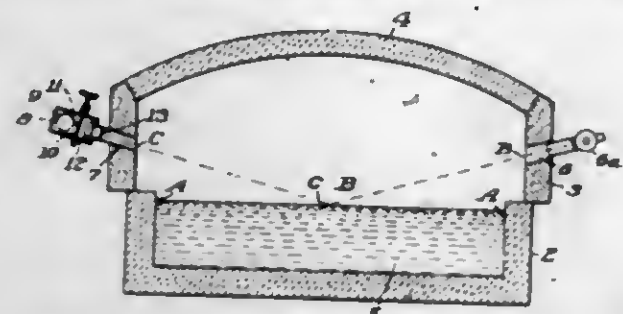


supplied thereto, a slow release relay energized as a result of operation of said first code following track relay, means operative upon release of said slow release relay for momentarily disconnecting said first track relay from the rails of said first section and for connecting in series across the rails of said first track section at the end thereof nearest said second track section a battery and a first winding of an auxiliary relay, the polarity of said battery being such that said battery is ineffective to cause operation of said second code following track relay, said auxiliary relay having normally released contacts which become picked up when and only when there is supplied through said first winding energy of the value which is supplied when the portion of said

2,625,658

TANK LEVEL CONTROL

Phillip W. Robinson, Washington, Pa., assignor to Frazier-Simplex, Inc., Washington, Pa., a corporation of Delaware
Application September 19, 1946, Serial No. 697,854
2 Claims. (Cl. 250-201)

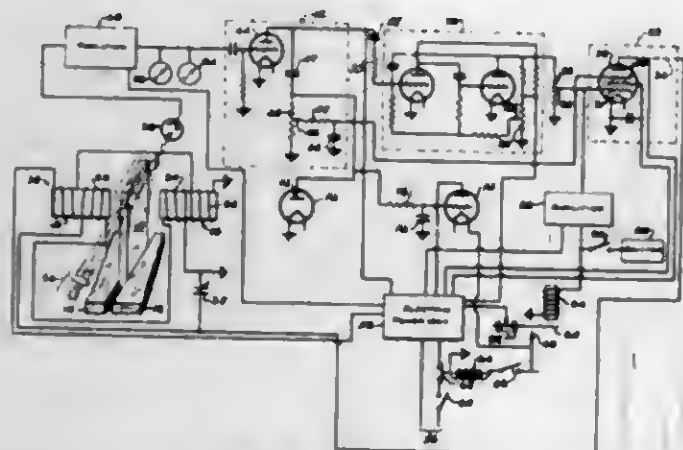


1. Apparatus for regulating the operation of a batch charging motor to maintain a predetermined level of molten glass in a glass furnace having ports therein comprising a source of ultra-violet light for directing a beam of ultra-violet light through one of said ports at an acute angle against the surface of the molten glass to produce a reflected beam of ultra-violet light, a photo-electric cell at another of said ports operated by said reflected beam of ultra-violet light when said beam is reflected from a predetermined position on the surface of the molten glass, and a control operated by said cell for regulating the operation of said batch charging motor to maintain the said predetermined position of said reflected beam, and thereby the level of the molten glass constant.

2,625,659

VIBRATION TESTING APPARATUS

Irving Mendelson, Paterson, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 28, 1946, Serial No. 700,090
2 Claims. (Cl. 250-201)



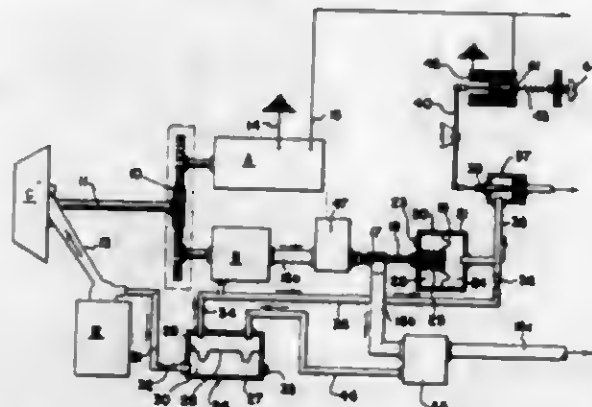
1. Vibration testing apparatus comprising a light source; a photo-electric cell; means for mounting a specimen to be tested so that in the neutral position of said specimen the portion of the photo-sensitive surface of said cell adjacent to one margin of said surface is exposed to light from said source while the portion of said surface remaining and disposed adjacent to the opposite margin of said surface is unexposed to said light and as said specimen vibrates back and forth the magnitude of said exposed surface portion increases and decreases at a frequency equal to the frequency of said vibrations and to an extent dependent on the magnitude of said vibrations whereby the frequency and amplitude of the resulting pulsating electric output of said cell varies respectively with the frequency and amplitude of said vibrations; electric means for forcing

ing vibrations of said specimen; means for supplying a varying electric current to said electric means for subjecting said specimen to a pulsating force for vibrating said specimen; and means responsive to the output of said cell for controlling the electric current supplied to said electric means.

2,625,660

ELECTRIC-HYDRAULIC POWER UNIT

Elvin D. Lytle, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application July 21, 1950, Serial No. 175,050
10 Claims. (Cl. 290-40)



1. An electric-hydraulic power unit, comprising: an electric generator having an outlet connection for delivering electricity to a point of use; a fluid pump having an outlet connection for delivering a fluid under pressure to a point of use; a prime mover connected to a fluid pressure source for driving said generator and pump; reservoir means pressurized from said fluid pressure source for supplying a fluid under pressure to said pump; a pressure relief valve connecting the outlet and fluid supply of said pump; a fluid pressure actuated regulating valve in said pump outlet upstream from said relief valve, said regulating valve having an operating pressure connection with the pump fluid supply; and means including a metering valve for regulating the pressure acting on said regulating valve; and electrical responsive means connected to said generator outlet for actuating said metering valve.

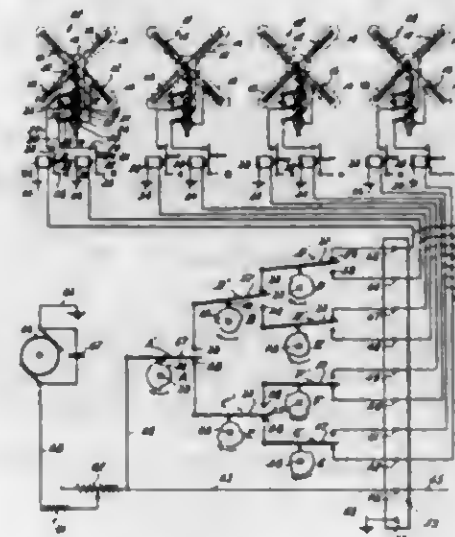
2,625,661

ELECTRICAL APPARATUS

Arthur W. Haydon, Cheshire, Conn., assignor to Phillips Laboratories, Inc., Irvington-on-Hudson, N. Y., a corporation of Delaware
Application May 23, 1950, Serial No. 163,649
5 Claims. (Cl. 307-41)

4. Apparatus for successively supplying current from a common source to a plurality of electric circuits which comprises first and second double throw switches each having two switch contacts and a switch arm adapted to be moved into engagement with either of its switch contacts, said switch contacts each being electrically connected to one terminal of one of said electric circuits; a third double throw switch having a switch arm adapted to be electrically connected to said common source and having two switch contacts one of which is electrically connected to the switch arm of said first double throw switch and the other of which is electrically connected to the switch arm of said second double throw switch; a constant speed electric motor; a cam shaft driven by said motor; a cam for each double throw switch fixedly mounted on said cam shaft, said cams being operable to move the switch arms

of their respective double throw switches into contact with the switch contacts of the respective double throw switches, each cam being substantially identical to the other cams and being shaped to move its respective switch arm into engagement with one switch contact during approximately 180 degrees of its revolution and into engagement with the other switch contact during the remaining approximately 180 degrees, said cams being circumferentially positioned on the cam shaft relative to one another so that during approximately the first half of one revolution of the cam shaft the switch arm of said third double throw switch will be in contact with that one of its switch contacts which is electrically connected to the switch arm of said first double throw



switch and during the second half of the revolution will be in contact with that one of its switch contacts electrically connected to the switch arm of said second double throw switch and so that during said first half of the revolution of the cam shaft the switch arm of the first double throw switch will be in contact first with one of its switch contacts and then with the other of its switch contacts and during the second half of the revolution of the cam shaft the switch arm of said second double throw switch will be in contact first with one of its switch contacts and then with the other of its switch contacts, whereby during one revolution of the cam shaft each electric circuit will be successively supplied with current from the common source.

2,625,662

SIGNAL DISCRIMINATOR

Frank A. Gaynor and Charles G. Yates, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 30, 1950, Serial No. 203,684
3 Claims. (Cl. 307-107)



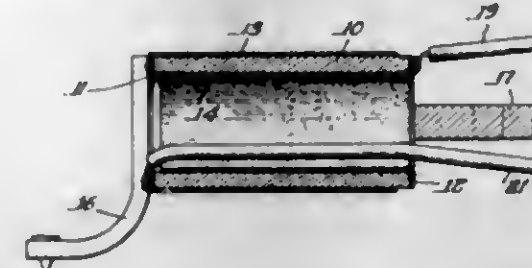
3. A circuit for discriminating against quadrature signal voltages comprising the series combination of a capacitor with the source of total input signal voltage, said combination being connected across one diagonal of a rectifier bridge which has connected across its other diagonal the series combination of an RC network and a

668 O. G.—39

2,625,663

TRANSDUCER

Glenn N. Howatt, Metuchen, N. J., assignor to Gulton Mfg. Corp., Metuchen, N. J., a corporation of New Jersey
Application May 8, 1948, Serial No. 25,841
6 Claims. (Cl. 310-8.5)

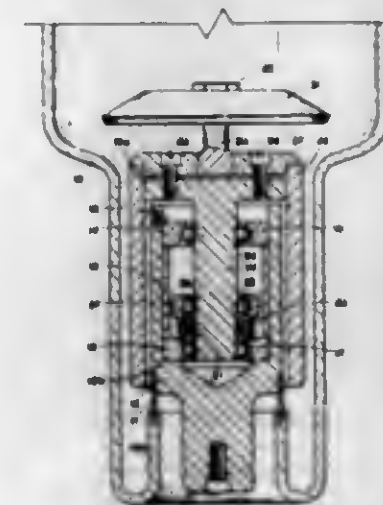


1. A transducer comprising a hollow cylindrical titanate ceramic element, end charging electrodes thereon, inner and outer signal electrodes, a support secured to one end electrode and a vibration conducting member secured to the other end electrode.

2,625,664

ELECTRON TUBE

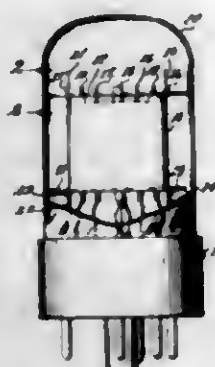
George J. Agule, Stamford, Conn., assignor to Machlett Laboratories, Incorporated, Springfield, Conn., a corporation of Connecticut
Application July 25, 1951, Serial No. 238,514
5 Claims. (Cl. 313-60)



1. An electron tube having an evacuated envelope and a rotatable electrode therein, and a mounting for the rotatable electrode including two relatively rotatable members one extending within the other, three sets of balls between said members and three races for the three sets of balls, two of said races being mounted on one of said members and the third one being mounted out of contact with that member, a spring arranged to apply pressure to said third race to move in a direction parallel to the axis of rotation, and three opposing races on the other of said members including a pair of oppositely disposed slope type races one of which is opposite said third race.

2,625,665 ELECTRON TUBE MOUNT AND METHOD OF ASSEMBLY

William K. Batzle, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1950, Serial No. 153,282
12 Claims. (Cl. 313-261)



1. An electron tube mount including an insulating spacer plate having a relatively long slot therein and an electrode having an end portion extending through said slot for fixing said electrode with respect to said plate, said end portion having an embossment in a relatively small transverse part thereof for engaging a face of said plate remote from said electrode and intermediate the ends of said slot, whereby said electrode is fixed to said plate.

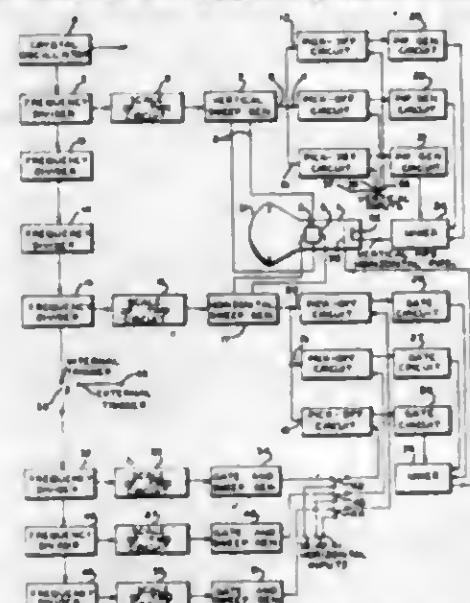
2,625,666
FILAMENT FOR ELECTRON TUBES
Paul D. Williams, Palo Alto, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application February 27, 1950, Serial No. 146,507
6 Claims. (Cl. 313-343)

1. A filament for electron tubes comprising a bundle of twisted strands of thoriated tungsten wire, portions of the stranded filament being carburized, said carburized portions being so disposed relative to the filament axis as to provide a carburized zone running helically of the filament.

2,625,667
MULTIPLE TRACE OSCILLOSCOPE
Britton Chance, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 29, 1945, Serial No. 625,427
6 Claims. (Cl. 315-22)

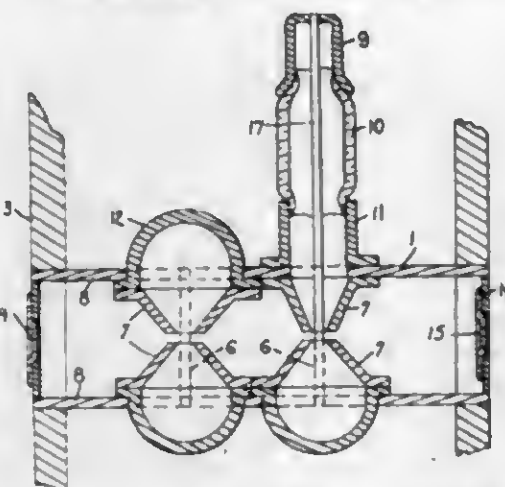
3. A multiple trace oscilloscope circuit comprising a cathode ray tube normally biased to cutoff, synchronized vertical and horizontal sweep voltage generators, means applying said sweep voltages to said tube, a plurality of independent signal input circuits for paired horizontal and vertical signal components, a plurality of independently biased circuits, each responsive to a sweep voltage and a signal voltage from one of said signal input circuits to produce one out-

put voltage pulse for each sweep voltage excursion, and means for applying said output voltage



pulses to intensify said cathode ray beam for time coincidence of paired input signals.

2,625,668
ULTRAHIGH-FREQUENCY SWITCH TUBE
Harold Helms, Dorchester, Mass., assignor to Sylvia Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application December 31, 1948, Serial No. 68,696
5 Claims. (Cl. 315-35)

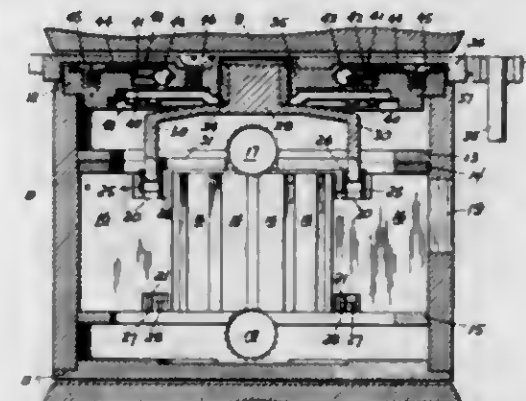


1. A high frequency electric discharge tube adapted for mounting in a wave guide structure, said tube being of the type characteristically employing a resonant window, said tube having a gas-filled envelope including a length of hermetically sealed wave guide and a resonant window hermetically sealed to said one end of said length of wave guide, said window having a metal plate in which is provided a central resonant aperture and a hermetically sealed covering of insulating material across said aperture and extending a substantial distance away from said aperture and over the face of said plate on the side thereof away from said length of wave guide and occupying a major part of the difference between the area of the aperture and the cross-sectional area of the wave guide.

2,625,669
ELECTRON DISCHARGE DEVICE
Homer G. Anderson, Newtonville, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 1, 1947, Serial No. 725,754
6 Claims. (Cl. 315-40)

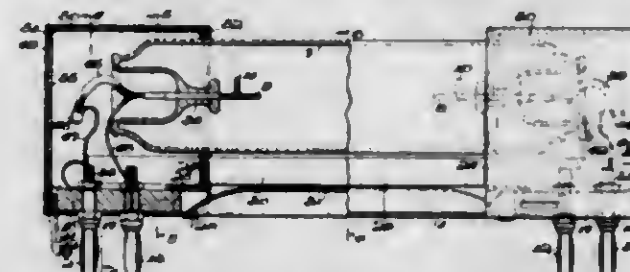
1. A tunable electron discharge device comprising: an anode structure provided with a

plurality of anode members; a first annular conductor electrically connected to one anode member of one adjacent pair thereof; a second annular conductor electrically connected to the remaining anode member of such adjacent pair thereof; said conductors presenting a capacitance therebetween; a third annular conductor, spaced



from and movable intermediate said conductors, for altering said inter-conductor capacitance and connecting, in parallel therewith, an additional capacitance; and a strap-like member, connected to said third annular conductor at two points along a chord other than the diameter thereof, supporting said third conductor with respect to said first and second conductors.

2,625,670
ULTRAVIOLET LAMP
George F. Embshoff, Hamilton County, Ohio, assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio, a corporation of Ohio
Application October 1, 1948, Serial No. 52,363
4 Claims. (Cl. 315-49)

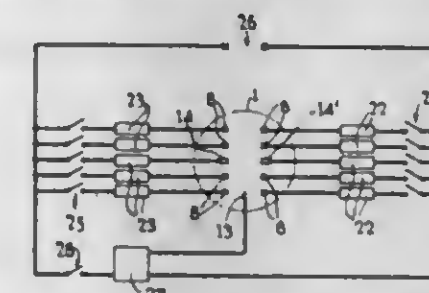


1. A lamp of the type having a tubular arc bulb and an elongated ballast resistor comprising an elongated substantially flat base, a supporting plate near each end of said base extending transversely across and projecting outwardly from said base in a plane substantially at right angles thereto, aligned openings in said supporting plates through which the opposite ends of said bulb and ballast resistor project whereby they are supported in spaced substantially parallel relation with one another and with said base, lamp terminals at at least one end of said base and connections between said terminals, bulb, and resistor, and housing members one secured to and cooperating with each end of the base and the adjacent supporting plate to form therewith a compartment enclosing the ends of said bulb and resistor and certain of said connections.

2,625,671
ELECTRICAL DISCHARGE LAMP
Hermann Eduard Krefft, Buenos Aires-Belgrano, Argentina
Application July 19, 1949, Serial No. 105,526
7 Claims. (Cl. 315-49)

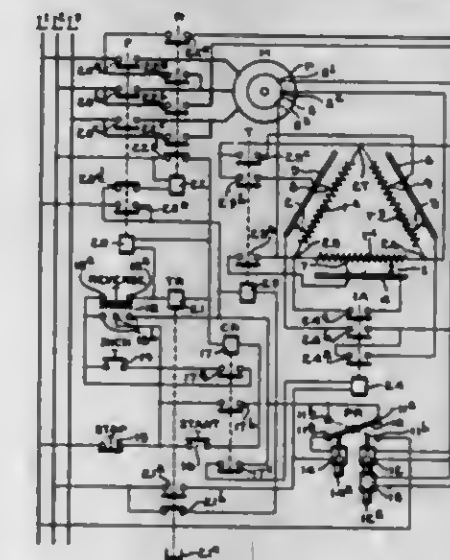
1. A high pressure electrical discharge lamp comprising in combination a glass vessel having

an opening, a glass seal member engageable with the walls of said opening to close said opening to form a gaseous discharge envelope, an ionizable gas filling within said envelope, said seal member having secured therethrough a plurality of substantially elongated glass seal elements each containing an electrical conductor leading to the discharge chamber of said envelope, a plurality of pairs of spaced electrodes within said envelope for maintaining a plurality of discharge arcs, each of said electrodes being electrically connected to one of said seal element conductors, at least a



pair of said electrodes operable as main electrodes for full operation of said lamp, another pair of said electrodes each being adjacent to one of said main electrodes and operable as pilot electrodes to maintain a pilot discharge arc to keep the lamp ignited and ready for instantaneous full operation of said lamp, each pair of arc maintaining main electrodes being electrically and independently connectable in parallel to a source of current, switch means for each of said parallel connections.

2,625,672
CONTROLLER FOR ELECTRIC MOTOR DRIVEN APPARATUS
Arthur T. Calvert, Manhasset, N. Y., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 20, 1951, Serial No. 247,478
7 Claims. (Cl. 318-210)



1. In a system for plugging an electric motor, comprising in combination, means including an electroresponsive switch for connecting said motor to a source of electrical energy for running, a second electroresponsive switch energizable to connect said motor to a source of electrical energy for plugging, and control means for controlling connection of the operating winding of said second electroresponsive switch to its source comprising time delay means operable a predetermined time following energization of said first mentioned switch and switch means acting as a result of operation of said time delay means to

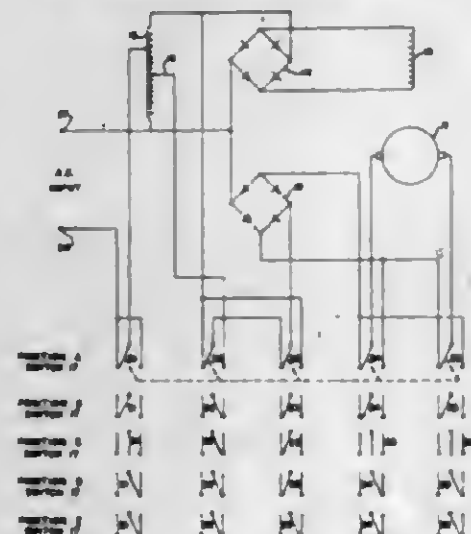
effect energization of the operating winding of said second electroresponsive switch when the first mentioned electroresponsive switch is deenergized, said switch means having means responsive to motor slow-down during plugging to deenergize said second electroresponsive switch.

2,625,673

MOTOR CONTROL SYSTEM

Glenn D. Sheckels, Bozeman, Mont., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application February 21, 1946, Serial No. 649,420
8 Claims. (Cl. 318-257)



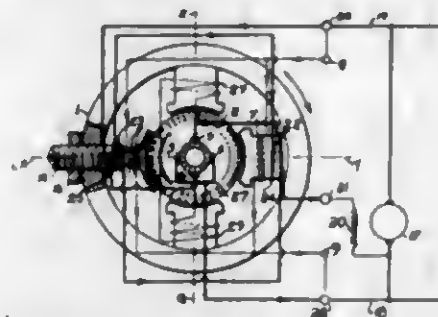
1. A motor control system comprising a direct-current motor provided with first and second armature terminals, a transformer having first and second input terminals adapted to be connected to a source of alternating current energy, said transformer being further provided with first, second and third output terminals, the output voltage between said first and third output terminals being greater than the output voltage between said first and second output terminals, a rectifier having first and second input terminals and first and second polarized output terminals, means connecting said first output terminal of said transformer to said first input terminal of said rectifier, a multi-poled, five position switch, said switch when in a first position connecting said third output terminal of said transformer to said second input terminal of said rectifier and said first and second output terminals of said rectifier to said second and first armature terminals, respectively, said switch when in a second position connecting said second output terminal of said transformer to said second input terminal of said rectifier and said first and second output terminals of said rectifier to said second and first armature terminals, respectively, said switch when in a third position completely disconnecting said armature terminals from said rectifier, said switch when in a fourth position connecting said second output terminal of said transformer to said second input terminal of said rectifier, and said first and second output terminals of said rectifier to said first and second armature terminals respectively, and said switch when in a fifth position connecting said third output terminal of said transformer to said second input terminal of said rectifier and said first and second output terminals of said rectifier to said first and second armature terminals, respectively, and means for energizing the field of said direct current motor with direct current.

2,625,674

DYNAMOELECTRIC MACHINE

Jean François Gabriel Petit, Paris, France, assignor to Societe d'Exploitation de Brevets, Boulogne-sur-Seine, France, a corporation of France

Application April 27, 1949, Serial No. 90,018
In France April 29, 1948
6 Claims. (Cl. 322-25)



1. In a system for regulating a condition of operation of an electric generator provided with a controllable field circuit, a dynamoelectric machine comprising a field structure with four poles to be excited with alternate magnetic polarities, a parallel wound armature with a commutator and four brushes arranged relatively to said poles to assume alternate electric polarities, two of said brushes of one polarity being related to the poles of one polarity and constituting primary brushes while the two other brushes are related to the poles of the other polarity and constitute secondary brushes, said primary and secondary brushes providing through the armature a primary circuit and a secondary circuit respectively, said two poles of one polarity being constructed to have different degrees of magnetic saturation, means for exciting one of said two poles of one polarity up to saturation to produce therein a substantially constant flux, control field excitation means energized in dependence upon the condition to be regulated and producing in the other of said two poles of one polarity a flux variable over a range including said substantially constant flux, the fluxes in these two poles being equal for a definite value of control excitation and alternately preponderant for alternate inferior and superior values of control excitation and effecting between said two poles a controllable reversible component of flux unbalance which induces a corresponding difference in potential between said primary brushes, a circuit connection arranged between said primary brushes to be energized by primary armature circulating current in order to induce an amplified difference in potential between said secondary brushes, circuit means for supplying the generator output voltage from one of said secondary brushes to said circuit connection to cause rotation of the machine, and circuit means for connecting the other secondary brush with one terminal of the generator through the field circuit thereof so as to control the current in said field circuit with said amplified difference in potential.

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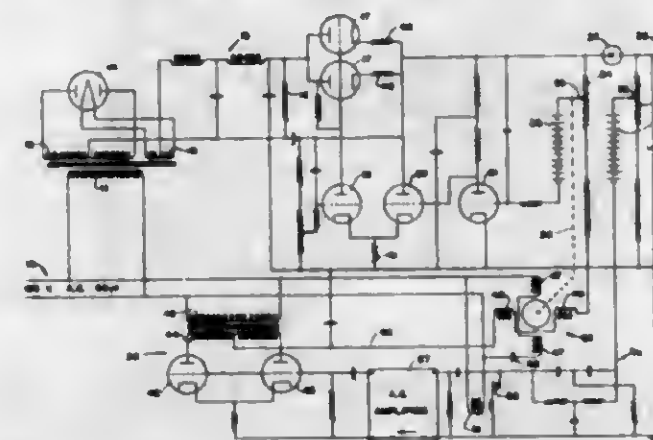
VOLTAGE REGULATOR

Frank J. Lupo, Hackensack, N. J., assignor to Chatham Electronics Corporation, Newark, N. J., a corporation of New Jersey

Application March 18, 1951, Serial No. 216,069
7 Claims. (Cl. 323-4)

1. An electronic voltage regulator circuit comprising, a source of direct current power, an electron discharge device connected in series arrangement between the source and a load circuit,

a voltage sensitive circuit connected across the load circuit for sensing a variation of load voltage, a direct current amplifier for amplifying said voltage variations having its input connected to the voltage sensitive circuit and its output connected to a control electrode in the series electron discharge device, an inverter for converting said voltage variations into a series of



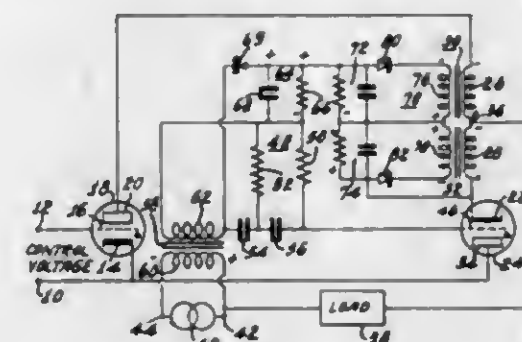
pulses, an electric motor with a mechanical connecting means for altering the characteristic of the direct current amplifier, and an alternating current amplifier with its input connected to the inverter and its output connected to the motor for amplifying the series of pulses and applying the amplified power to the motor to change the direct current amplifier characteristic.

2,625,676

ELECTRICAL CONTROL CIRCUITS

Arthur E. Konick, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 17, 1950, Serial No. 144,616
13 Claims. (Cl. 323-24)



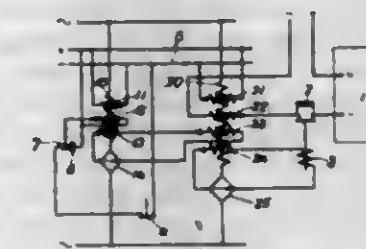
1. A control circuit comprising first and second vapor discharge tubes each having an anode, a cathode, and a control element and connected back-to-back with each anode to the cathode of the other tube, a load, means for connecting a source of alternating current of known frequency, said load, and said back-to-back connected tube combination serially, a control biasing network connected in biasing relationship between said second tube cathode and control element and connected to have a biasing voltage developed across said network of one polarity for load current drawn through one of said tubes and of the other polarity for load current drawn through the other of said tubes, and further means to impress an alternating current biasing signal on the control element of said second tube, whereby the conduction periods of said second tube tend to vary in the same sense with that of said first tube.

2,625,677

SATURABLE CORE REACTOR SYSTEM

Frans Landau and Johan Eric Carlsson, Vasteras, and Sven Eric Hedström, Ludvika, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application August 21, 1947, Serial No. 769,850
In Sweden April 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 30, 1963
3 Claims. (Cl. 323-89)

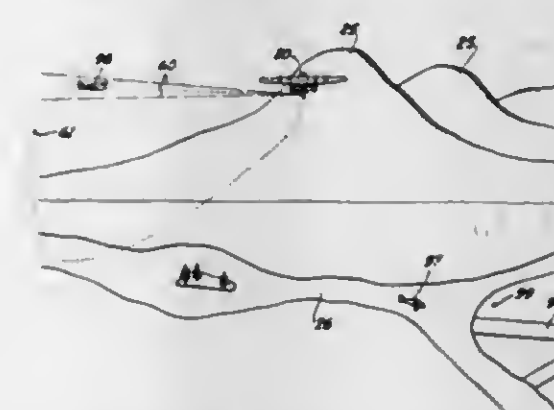


1. Means for controlling the current in an electric current path, comprising two direct current saturable reactors each of which has polarizing means, a first saturating winding opposing said polarizing means and a second saturating winding cooperating with said polarizing means, said first winding of a first reactor being traversed by a current dependent on the current to be controlled, said first winding of the second reactor being traversed by a current substantially independent of the current to be controlled, control means for the current in the current path, and means controlled by each of said reactors for regulating said control means in such a way that both said reactors influence the current in said path, whereby the current in said path is made dependent on either of the different currents saturating said reactors.

2,625,678

RADIANT ENERGY NAVIGATIONAL DEVICE
Donald K. Allison, Washington, D. C., assignor to General Electric Company, a corporation of New York

Application August 5, 1946, Serial No. 688,407
19 Claims. (Cl. 343-11)



1. A navigational device comprising means to transmit radiant energy and to receive reflections thereof from remote objects, means to form said transmitted energy into a relatively small pencil beam, means to broaden said beam in one dimension, means to sweep said beam across an area to scan said area for said objects, and means synchronized with said sweep means to cause said beam forming and broadening means to be selectively operative, whereby said area is selectively scanned by said pencil beam or by said broader beam.

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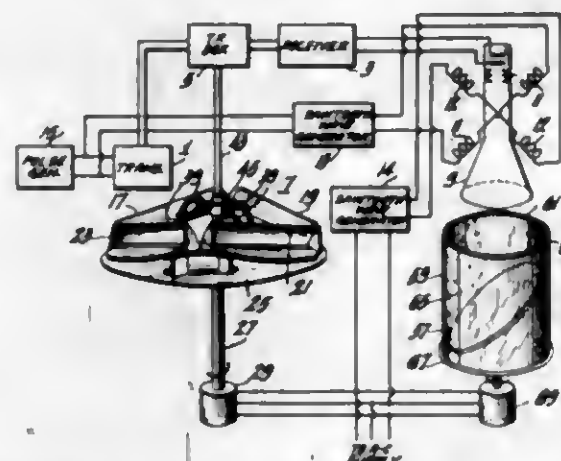
RADAR SCANNING SYSTEM

Harley Iams, San Diego, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application September 18, 1947, Serial No. 774,751
2 Claims. (Cl. 343-11)

1. A system for detecting and locating reflecting objects in three coordinates, including a transmitter, directive radiator means connected to said transmitter and providing two substantially plane fan-like directive patterns rotating in the same direction about a common axis with the plane of each inclined at an angle with respect to said axis, the angles of inclination being different whereby a reflecting object within the space scanned by said beams provides successively two reflections, one from each of said beams, receiver means responsive to said reflections, and indicator means connected to said receiver to provide two visible displays of the position of said object in two coordinates corresponding to the coordinates of said object in a plane, perpendicular to said common axis, each of said displays corresponding to the intercep-

tion of one of said beams by said object, and said displays being displaced from each other thereby to introduce the effect of parallax in observing



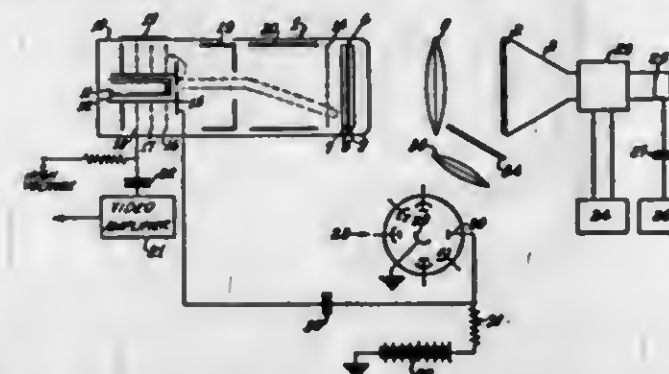
the displays individually, and means for viewing said displays stereoscopically to provide the visual impression of depth along the coordinate parallel to said common axis.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

66,952. TELEVISION PICKUP DEVICES.

George Louis Fernsler and Harry Kihn, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Dec. 23, 1948. Published Jan. 13, 1953. Class 178-7.2. 1 sheet of drawings. 15 pages of specification.



This application relates to systems employing photoemissive pickup tubes and particularly to the elimination of spurious dark current signals in systems employing such tubes.

Referring to the single figure, a storage orthicon 1 is operably disposed for receiving low duty cycle light emission from the screen 2 of a plan-position-indicator tube 3 of a radar system. The image light originating on the screen 2 optically is focused onto the storage target 6 of the orthicon 1 by means of a lens 5 and causes photoelectrons to be emitted from the target areas whereon the light signals are incident. In ideal operation these photoelectrons are collected by one or more tube electrodes, i. e., the decelerating screen 14, the persuader electrode 19, and a cylindrical electrode 20. However, in actual operation a certain number of photoelectrons escape these elements, either because the electrons have high initial emission velocities or for other reasons, and are collected by the first dynode 15. These electrons cause secondary emission from the dynode 15 and hence produce spurious signals in the tube output circuit in the same manner that the orthicon beam causes secondary emission for producing desired output signals.

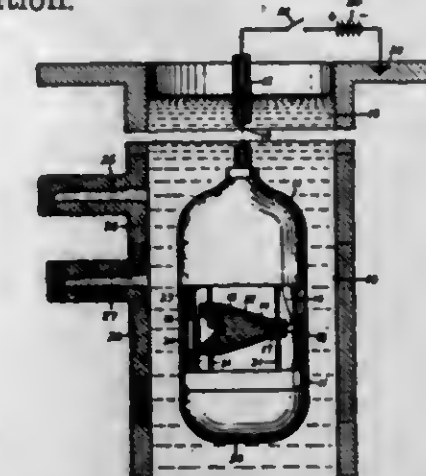
To eliminate such spurious signals a separate lens 35 is provided for focusing light emission from the indicator tube screen 2 onto the cathode 29 of a photoelectric multiplier tube 28. The tube 28 produces a pulse of current each time a light signal is produced on the fluorescent screen 2. These current pulses cause corresponding voltage pulses to be developed across a load resistor 31 connected to the output of the multiplier tube. These voltage pulses then are applied to the first dynode 15 of the orthicon lowering the dynode voltage and instantaneously disabling the tube. The overall result attained by this apparatus is that spurious signal generation is prevented during the "writing" of a charge image on the storage target 6.

If desirable a variable density filter 34 may be interposed between the fluorescent screen 2 and the photomultiplier tube 28 for providing a re-

sponse control. Also, the disabling voltage, described above as applied to the first dynode 15, may be applied to other dynode stages to disable the orthicon with equal facility.

78,333. RADIOACTIVE SHAPED CHARGES.

Henri-Georges Doll, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corp., Houston, Tex., a corporation of Delaware. Filed Feb. 25, 1949. Published Jan. 13, 1953. Class 102-20. 1 sheet of drawings. 10 pages of specification.



This application relates to methods and apparatus for establishing detectable markers at a desired depth or depths in a bore hole drilled into the earth.

In the typical embodiment shown in Fig. 1, radioactive shaped charges are adapted to be positioned at selected depths in a bore hole 10 by means of a casing 11 made of steel or other suitable material, which is suspended on a cable 12 extending to the surface of the earth. The bore hole 10 usually contains a column of liquid 13 and it may or may not have a metal casing. The casing 11 may be provided with a tightly fitting cap 30 which can be removed to enable supports 31 carrying one or more detonating explosive charges 14 to be inserted within the casing 11.

Each explosive charge 14 may be placed in a relatively thin-walled container 32 made of plastic or other suitable material and it is preferably frusto-conical in shape. Also, it has a hollowed out forward portion 15, preferably conical in shape, in which is mounted a suitable liner 16, which may be made of metal, for example, in accordance with the usual practice. The casing 11 is preferably provided with a window 33 opposite the hollowed out portion 15 of the charge 14, which is covered by a frangible watertight closure member 34. Where the bore hole 10 contains liquid, the casing 11 in which the explosive charge or charges are housed should preferably be watertight and pressure resistant, and suitable air chamber means or other apparatus (not shown) may be employed to absorb concussion, if desired.

The explosive charge 14 is adapted to be detonated at the rear end thereof by any suitable means such as an electric detonator 17, for example. One terminal of the detonator 17 is shown grounded to the casing 11 at 18 and the

other terminal is connected by a conductor 19 in the supporting cable 12 to one terminal of a source of electrical energy 20 located at the surface of the earth, suitable switching means 21 being provided for closing the energizing circuit when the detonator 17 is to be ignited. The other terminal of the source 20 may be grounded at a point 22 at the surface of the earth so that the circuit is completed through the intervening earth strata between the grounds 10 and 22.

A suitable radioactive material is incorporated either in the explosive charge 14 or in the liner 16, or both. The liner 16 may be made of radioactive material, or a layer of radioactive material may be sandwiched between two liner portions. Alternatively, a coating of radioactive material may be applied to the liner. The manner in which the radioactive material is incorporated is not critical and any suitable method may be employed provided that it results in the presence of radioactive material in the explosive jet which is emitted when the charge is detonated.

Any suitable radioactive material such as carnotite or uranite, for example, may be employed according to the invention. Also, any of the radioactive metals such as uranium, thorium, rubidium or borium and their salts, for example, are also satisfactory.

In operation, the casing 11 is lowered into the bore hole 10 to the desired depth where a marker is to be established. If the marker is to be placed in known relation to a formation, the casing 11 may be associated with a suitable geophysical exploring apparatus. When the casing 11 reaches the desired level, the switch 21 is closed, igniting the detonator 17 and detonating the explosive 14. This forms a violent jet along the altitude of the conical liner 16 which is capable of penetrating a considerable distance into hard materials.

By way of example, a representative perforation 25 is shown in a relatively soft formation 26. The radioactive material which was originally incorporated in the shaped charge is scattered over the side and rear walls of the perforation 25. Below the perforation 25 is shown a second perforation 27 in a relatively hard formation 28. As indicated, the depth of the penetration 27 is approximately the same as the depth of the penetration 25. This results from the fact that the depth of the penetration produced by a shaped charge is primarily a function of its size and shape and is relatively independent of the relative hardness of the material perforated.

89,541. COFFEE URN. George A. Amacker, Washington, D. C. Filed Apr. 25, 1949. Published Jan. 13, 1953. Class 99—283. 2 sheets of drawings. 6 pages of specification.

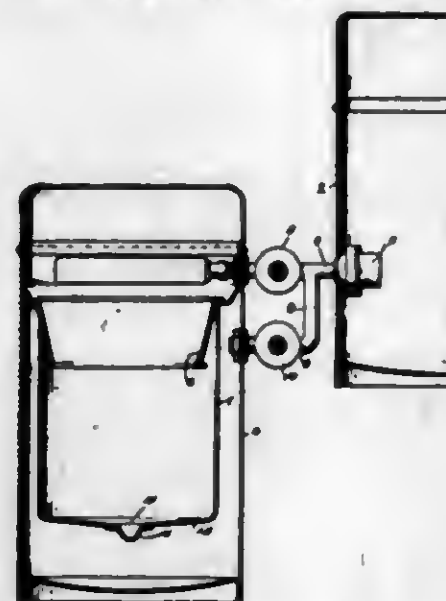
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

This disclosure relates to coffee urns of the commercial type in which several gallons of coffee are prepared at a single operation.

Figure 5 is a sectional view through a portion of the boiler and one of the percolators associated therewith.

Coffee urns of this general type are usually provided with horizontal pipes 4, having valves 5 for controlling the flow of hot water from the boiler 2, into the coffee bag 8, supported on the upper portion of the liner 7. Extending from the horizontal pipe 4 and communicating therewith is a vertical pipe 9, provided with a horizontal band 9, and valve 10 for controlling the flow of hot water from the boiler 2, into the space between the liner 7 and outer casing 3 of the percolator.

It often happens that the operator in his haste to prepare the coffee will open the valve 5, even though the water within the boiler 2 has not reached a temperature of 200° F., which is usually considered to be the temperature for producing the best results. This defect is overcome in the present construction by the provision of a thermostat 11, mounted on the interior of the boiler 2. This thermostat is of the bellows type and is



provided with a valve adapted to close openings, which permit passage of water from the boiler into the pipe 4, leading to the coffee bag 8. The thermostat is of the bellows type and is so designed that when in contracted condition, the valve closes the openings and prevents the passage of water from the boiler into the pipe 4; however, when the water reaches a temperature of 200° F. within the boiler, the thermostat will expand and permit the passage of the hot water into the pipe 4.

96,829. METHOD OF HARDENING POLY-VINYL ALCOHOL PHOTOGRAPHIC EMULSION PRODUCTS. William F. Fowler, Jr., Rochester, N. Y. Filed June 1, 1949. Published Jan. 13, 1953. Class 117—62. No drawing. 10 pages of specification.

The art has described photographic emulsions in which polyvinyl alcohol has been employed as the carrier for the silver halide therein. In certain circumstances such as in various industrial applications it is desirable that the image resulting from the processing of an exposed photographic emulsion be water insoluble. In the case of papers upon which drawings have been recorded photographically, polyvinyl alcohol emulsions are of value because of their flexibility but it is desirable that the post processed emulsion be resistant to the effect of water.

It has been found that the processed polyvinyl alcohol photographic emulsion can be hardened and rendered resistant to the effect of both hot and cold water by subjecting the same at an ordinary temperature to the action of a solution of formaldehyde and an ammonium or an amine salt. The bath employed preferably is at a pH of 2-7 and has therein 5-25% of formaldehyde and 1-5% of ammonium or amine salt, the ratio of formaldehyde to the salt being 3-8:1. Some of the salts which are useful in a hardening bath of this nature are ammonium salts such as the chloride, sulfate, nitrate, or oxalate and amine salts such, for example, as ethylene diamine dihydrobromide, ethylamine hydrochloride and n-butyl amine hydrobromide.

The bath employed for hardening processed silver halide-polyvinyl alcohol photographic

emulsion products may be prepared by dissolving formalin in an aqueous or an alcohol-containing solution of the ammonium or amine salt. The treatment may readily be applied by running the photographic material through the hardening bath directly from the developing, fixing and washing thereof. This treatment is useful for the rendering of photographic film or paper which has a polyvinyl alcohol emulsion thereon, after processing, resistant to the effect of either hot or cold water.

As an example of the hardening of silver halide-polyvinyl alcohol emulsion by my method the following procedure may be employed:

250 ccs. of 20% aqueous formaldehyde was mixed with 50 ccs. of 20% aqueous ammonium chloride and 300 ccs. of aqueous alcohol composed of 90% ethanol, 5% methanol and 5% water. A strip of polyvinyl alcohol cine positive film which had been exposed and processed was soaked in the solution for two minutes. The excess solution was allowed to drain off, the strip was air dried for an hour, washed in cold water for ½ hour and dried at room temperature. The emulsion layer was found to be resistant to the effect of water having a temperature of 190° F. when the film strip was immersed therein.

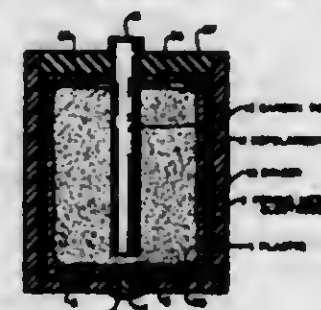
109,054. ELECTRODEPOSITION OF MANGANESE. David Schlain, Hyattsville, Md. Filed Aug. 6, 1949. Published Jan. 13, 1953. Class 204—105. No drawing. 21 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

The improvement comprises the use, in the electrowinning of manganese metal, of a cathode starting sheet consisting of flexible gamma manganese. The gamma manganese starting sheets, normally unstable may be stored for long periods at a temperature below 0° centigrade.

121,044. ELECTRODES OF POWDERED METALS FOR DRY CELL. Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Filed Oct. 12, 1949. Published Jan. 13, 1953. Class 136—107. 1 sheet of drawings. 5 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

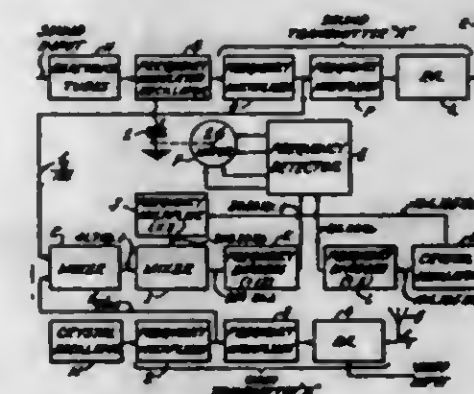


The disclosure relates to a dry cell of the Leclanche type comprising an open top cell container of plastic material having an electrical zinc terminal 2 molded into and extending through and covering the interior surface of the bottom of the plastic container and providing a smaller contact portion 4 on the exterior surface of the bottom wall of the container. The negative electrode 5 consists solely of porous zinc powder concentrically fitting the inner cylindrical walls of the container and directly electrically contacts the interior portion 6 of the zinc terminal. A centrally disposed carbon electrode 10 projects

665 O. G.—40

through a sealing cover 27 and the depolarizer 11 is spaced from the zinc terminal by an insulating disc 20.

125,692. FREQUENCY CONTROL SYSTEM. Franklin Emerson Talmage, West Collingswood, and Stiles Conger Stribling, Jr., Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware. Filed Nov. 5, 1949. Published Jan. 13, 1953. Class 178—5.8. 2 sheets of drawings. 18 pages of specification.



A frequency control system for maintaining a predetermined frequency difference between the video and audio carriers of a television transmitter. Voltage waves derived from the corresponding transmitters are mixed and the beat frequency is compared with a fixed crystal frequency in a frequency detector the output of which drives a motor to vary the frequency of the audio transmitter. In the illustrated modification, useful in UHF transmitters, the output frequency out of mixer C (in which audio and video carriers are mixed and a beat frequency obtained) is heterodyned up in mixer I and then divided in divider K before being compared with the divided output frequency of a crystal oscillator D in the frequency detector E.

136,194. ELECTRODE SEAL. Richard F. Spurck and Henry J. Nolte, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York. Filed Dec. 31, 1949. Published Jan. 13, 1953. Class 174—152. 1 sheet of drawings. 9 pages of specification.



The application discloses a seal arrangement for bringing a lead-in conductor 3 through an apertured metal casing 2. The lead-in conductor is surrounded by a ceramic sleeve 4 around the intermediate portion of which is positioned a glass bead 9. A cup 8 is sealed to one edge of the glass bead 9 and encloses the outer end of the lead-in conductor and ceramic sleeve. The seal is completed by a flanged eyelet 5 sealed to the

glass bead 9 at one end and joined to the casing 2 about the aperture at the other. In order to strengthen the seal the coefficient of expansion of the glass bead is substantially less than the coefficient of expansion of the ceramic below a given temperature so that during normal operation of the device the glass is in compression.

165,317. CIRCULAR SIZE GAUGE FOR TUBULAR OBJECTS. Gerald A. Gustafson, Aberdeen, Md. Filed Apr. 11, 1950. Published Jan. 13, 1953. Class 33—178. 1 sheet of drawings. 8 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

Fig. 3

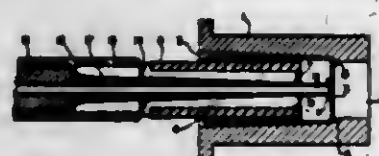


Fig. 6



An instrument for determining the useful life remaining to a gun barrel which comprises an elongated tube 1 adapted to be inserted within the bore of the gun barrel, a flanged collar 3a secured to one end of the tube and of such size as to engage the breech end of the barrel and to set a limit to the depth of insertion, a gage head 8 threaded into tube 1 at its end 2 opposite that on which collar 3a is located, the gage head 8 including a narrowed shank portion 9, a plurality of symmetrically positioned collet type resilient arms integral with shank portion 9 and extending generally parallel with the axis of tube 1, the arms having equidimensional, inwardly extending tapered or round-faced flanges and outwardly-flanged segments forming an external circular gaging surface adjacent the end of the arms remote from collar 3a, a rod 10 slidable in tube 1 having a handle 10b and circumferential graduations at one end thereof and a tapered section 10a at the other end thereof whereby the gaging surfaces of the arms may be spread radially into gaging engagement with the wall formed by the bore of the barrel when rod 10 is moved within tube 1 in the direction of taper 10a. The extent of axial translation of rod 10 to spread the flexible arms is taken as an inverse measure of the remaining useful life of the barrel under test.

173,293. METHOD OF AND APPARATUS FOR EXPANDING THIN-WALLED METAL CUPS AND THE LIKE. Joseph D. Martin, Springfield, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey. Filed July 12, 1950. Published Jan. 13, 1953. Class 113—44. 4 sheets of drawings. 32 pages of specification.



The application relates to a method and apparatus for the automatic formation by mechanical

means of a thin-walled conically shaped container from a cylindrical cup blank of soft metal without damaging the walls thereof or any printed or decorative matter placed on the cups prior to their being expanded. The cup blank, which may be formed by impact extrusion, is inserted into a female die of the desired configuration, and at one station an expanding mandrel is moved into the cup to progressively expand the same against the walls of the die with the expansion beginning at the bottom of the die cavity and continuing to the mouth thereof so that the air between the cup and the die wall will be progressively expelled and no air lock will occur.

As shown in the drawing, the expanding mandrel includes an expansible cylinder 7 formed of a plurality of segments and having an elastic sleeve 8 on its cylindrical surface. Cylinder 7 is carried on mandrel 15 and is moved axially into the cup 13 positioned in mold 1. Mandrel 15 is slidably mounted on tube 12 which is provided with flange 11 which serves to withdraw cylinder 7 from cup 13 after expansion, and air may be admitted through tube 12 to assist in such withdrawal. The elastic sleeve 8 binds the segments together to form the cylinder 7, and provides a smooth elastic surface to be pressed against the inner surface of the cup, thereby insuring uniform distribution of pressure against such surface and also providing the contracting force by which the segments are restored to their normal position after the expanding member 15 has been partially withdrawn from cylinder 7. When in its normal constricted condition, the cylinder 7 has a conically tapered opening therethrough, and the forward end of expanding member 15 has substantially the same slope on tapered stem 17. However, the diameter of tapered portion 17 at its tip is such that as it moves into the opening in cylinder 7 contact will be made with cylinder 7 a suitable distance before the tip reaches the forward end of the cylinder. After such initial contact, the cylinder 7 will be carried on tapered portion 17 into the interior of the cup until the outer end face of the cylinder engages the inner surface of the bottom wall of the cup. When forward movement of the cylinder has been so stopped, continued forward movement of tapered portion 17 of the mandrel 15 will cause the cylinder to expand in the desired manner. The relationship between the tip of stem 17 and the shoulder 16 on the mandrel should be such that the tip will begin to spread the cylinder 7 at its inner portion just before the shoulder 16 makes contact with the outer ends of the segments. After cup 13 has been pressed against the wall of the mold at its inner-most end by the action of the tip of stem 17, shoulder 16 makes contact with the outer ends of the segments and thereafter continued forward movement of the member 15 and causes further expansion of the segmental cylinder 7 by a rocking of the segments about their inner-most ends. By this method of expansion of cylinder 7, the volume of the body of air in the space between the cup 13 and the wall of the mold cavity is progressively reduced toward the larger diameter end of the cavity where it may readily escape without the formation of any air pockets, and the gradual and even stretching of the cup 13 from its inner end to its outer end is ensured.

At other stations of the machine different operations may be performed on the cup blank or the conically shaped container, such as trimming, printing, flanging, beading, removal of handling-pin or the formation of an aperture in the closed end thereof.

173,474. METHOD OF RESOLVING RACEMIC AMINO ACIDS. Jesse P. Greenstein, Silver Spring, Md., and Vincent E. Price, Washington, D. C., assignors to the United States of America as represented by the Administrator, Federal Security Agency. Filed July 12, 1950. Published Jan. 13, 1953. Class 195—29. No drawing. 8 pages of specification.

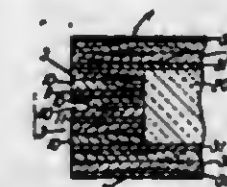
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

The disclosure provides a process for the separation of a racemic mixture of aromatic substituted amino acids, such as phenylalanines, tyrosines and tryptophans by incubation of the N-chloroacetylated derivatives of such acids with a purified beef pancreatic carboxypeptidase, where the levo optical isomer is hydrolyzed while the dextro optical isomer is unaffected. A separation is then accomplished by crystallizing the free levo acid.

175,287. PRODUCTION OF ORGANIC COMPOUNDS. Herbert Booker and Richard John Young, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain. Filed July 21, 1950. Published Jan. 13, 1953. Class 260—585.5. No drawing. 8 pages of specification.

This disclosure relates to a process for the commercial production of ketene and its homologues from acetone and the corresponding ketones in which the appropriate ketone is pyrolysed at a temperature of from 570° to 750° C., and preferably within the range of 675° to 725° C., under a pressure not substantially in excess of atmospheric pressure. The heat required for the pyrolysis is supplied to the reaction by a stream of heated ceramic pebbles fed continuously to the reactor in a substantially vertical stream. A liquid space velocity of up to one liter ketone per liter of pyrolysis space per hour may be employed. The diameter of the stream of pebbles to be used is at least eight times the diameter of the pebbles, and the continuity of the stream of pebbles is controlled by feeding the pebbles from the pebble heater into the reactor in a substantially conically shaped pattern, of which the maximum half angle is 30°. All of the surfaces of the reactor and of the heat transfer pebbles in contact with the ketone undergoing pyrolysis are composed of ceramic material, and the process is particularly advantageous because there is high yield on conversion and because carbon deposited on the pebbles is readily removed in the operation of reheating the pebbles.

191,384. WATER VAPOR IMPERVIOUS, THERMAL INSULATING STRUCTURAL PANEL. George E. Kloote and Joseph A. Potchen, Grand Rapids, Mich. Filed Oct. 21, 1950. Published Jan. 13, 1953. Class 20—15. 2 sheets of drawings. 14 pages of specification.



The disclosure relates to the construction of water vapor impervious, thermal insulating panels particularly designed for situations where in the panel will be subjected to heavy loads such as flooring for freight cars, trucks, buses, chill rooms and drying kilns.

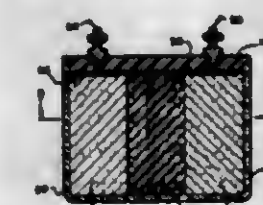
The panel consists of a central core 20 of thermal insulating material having a cellular structure. The individual cells must be sealed and of small size. Medium hard, expanded, synthetic rubber or expanded polystyrene are suitable materials for the core.

The core is surrounded by a structural frame consisting of laminae of metal and wood. When the panel is of substantial size, several thermal insulating central cores 20 are used, each separated from the others by means of intermediate members having the same structural features as the peripheral frame. The metal serves as a barrier against the passage of moisture through the thickness of the panel and the migration of moisture within the panel. The joints at abutting surfaces of the frame members are sealed by an asphalt coating. The panel is faced by laminated sheets comprised of wood and metal of sufficient thickness to support the panel and to support the loads imposed upon the panel when in use. The component laminae of the frame and facing sheets are bonded together by water insoluble adhesives. The result is a compartmented panel through which moisture cannot migrate nor within which can moisture collect in substantial quantities in any particular portion of the panel.

The disclosure contemplates the construction of the panel with a single core consisting of a single sheet of material but it may also be constructed with a core consisting of two or more sheets of the thermal insulating material bonded together by suitable adhesives.

194,002. PLASTIC CASING FOR ALKALINE DRY CELL. Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Filed Nov. 3, 1950. Published Jan. 13, 1953. Class 136—168. 1 sheet of drawings. 4 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)



The disclosure relates to improvements in rechargeable battery cells, particularly to improved structure for rechargeable alkaline cells of the zinc-silver oxide or nickel-cadmium type, which are free from gas and pressure effects. Each cell comprises a container of moulded or extruded plastic dielectric material such as polystyrene, methylmethacrylate, ethyl cellulose, nylon or other suitable synthetic high polymers; spaced embossments are provided on the inner surface of the container side walls to insure proper positioning of the electrodes. The positive electrode 4, which may comprise a porous pellet of amalgamated zinc powder or plates of sintered nickel, and the negative electrode 6, which may comprise a pellet of depolarizer material including a conductive oxygen-yielding compound of a metal such as an oxide of silver or mercury, or cadmium, are fitted or pressed tightly between respective embossments and container end walls 20 and 22. Between the positive and negative electrodes is a porous electrolyte carrier material 8 which serves the dual function of electrolyte and barrier means. The electrolyte carrier may be composed of an immobilized body of aqueous

alkaline metal hydroxide electrolyte initially containing a substantial quantity of alkaline zincate in solution.

The closure member 18 is provided with injector moulded contact terminals 24 and 26 which make contact with the positive and negative electrodes respectively by means of springs 28 and 30. One end of a spring is welded to the lower end of a terminal, the other end being free and in contact with an electrode. The closure member may be either heat sealed or cemented to the walls of the container in a known manner, thus forming a plastic seal to effectively resist leakage and creepage of electrolyte along the interface between the closure and the perimeter of the container.

250,358. QUICK DETACHABLE TOOL BAR MOUNTING FOR TRACTORS. John H. Boll, Dearborn, and Arthur V. Raught, Birmingham, Mich., assignors to Dearborn Motors Corporation, Birmingham, Mich., a corporation of Delaware. Filed Oct. 8, 1951. Published Jan. 13, 1953. Class 280—150. 1 sheet of drawings. 4 pages of specification.

This application relates to a quick detachable tool bar mounting for tractors.

As illustrated in Figures 1 and 2, brackets 12 which are rigidly secured to the front axle 11 of tractor 10, terminate in upwardly opening, channel-shaped tool bar holders 13 having transversely aligned notches which receive a tool bar

14. A pair of clamps 15 are pivotally mounted to the said tool bar holders 13 and such clamps overlie those portions of the tool bar supported by said holders. U-shaped locking devices 18 are also pivotally mounted to the tool bar holders 13 and cooperate with the clamps 15 to lock said clamps over the tool bar to secure said bar in working position. Hence, when each clamp 15 surrounds the upper portion of the tool bar 14, as

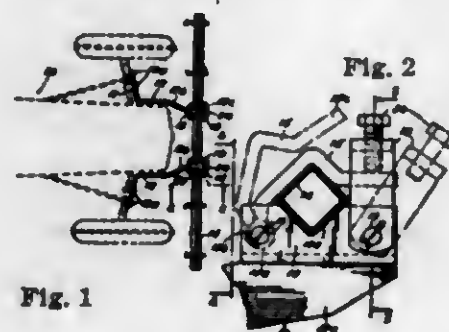


Fig. 1

best shown in Figure 2, each U-shaped locking device 18 may then be pivoted to the upright position shown in such figure, whereupon screws 20 are turned downwardly until such screws bear against the top surface of the projecting ends 15c of clamp 15. Thus, clamps 15 firmly engage the upper portion of tool bar 14 thereby positively retaining tool bar 14 within the notches 13a provided in the tool bar supports 13.

DESIGNS

JANUARY 13, 1953

168,610

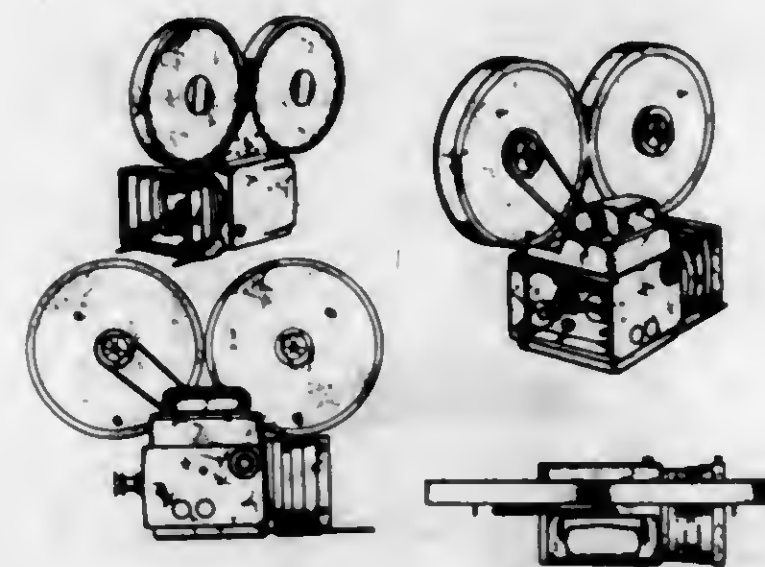
MOTION-PICTURE CAMERA

Walter H. Bach, Los Angeles, and Robert L. George, Torrance, Calif., assignors to Berndt-Bach, Incorporated, Los Angeles, Calif., a corporation of California

Application July 28, 1952, Serial No. 20,791

Term of patent 14 years

(Cl. D61—1)



The ornamental design for a motion-picture camera, substantially as shown.

168,611

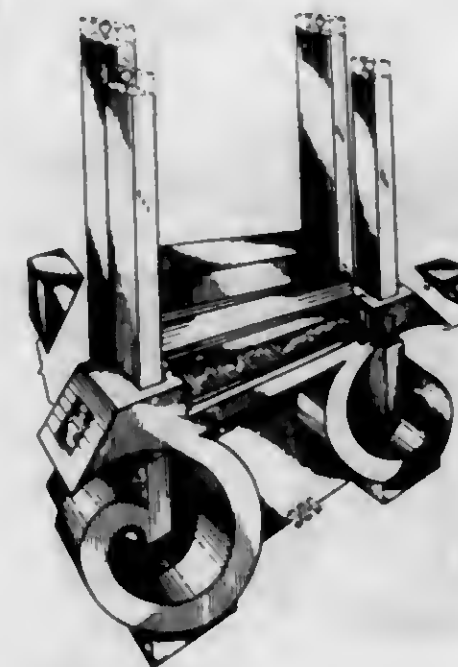
CASING FOR A PIANO OR SIMILAR ARTICLE

Jack Barofsky, Los Angeles, Calif.

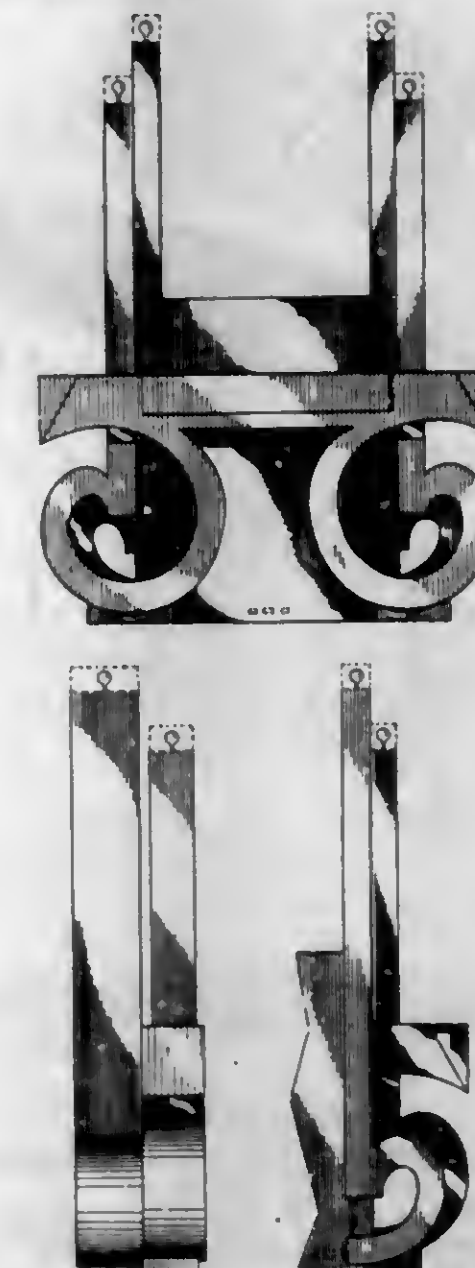
Application August 30, 1951, Serial No. 16,481

Term of patent 14 years

(Cl. D56—9)



168,611—Continued



The ornamental design for a casing for a piano or similar article, as shown and described.

168,612

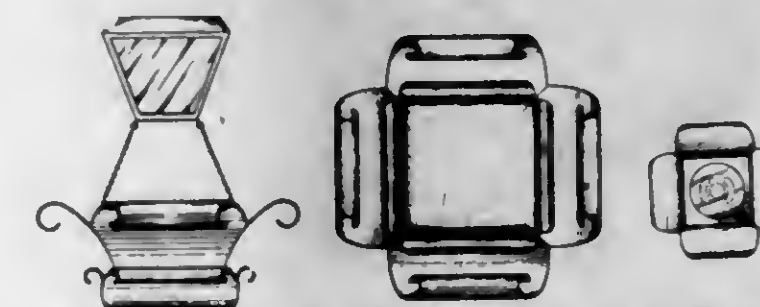
COMBINED LAMP AND PLANTER

Jack F. Clark and Lloyd F. Ellis, South Whittier, Calif.

Application July 19, 1952, Serial No. 20,692

Term of patent 3½ years

(Cl. D48—23)

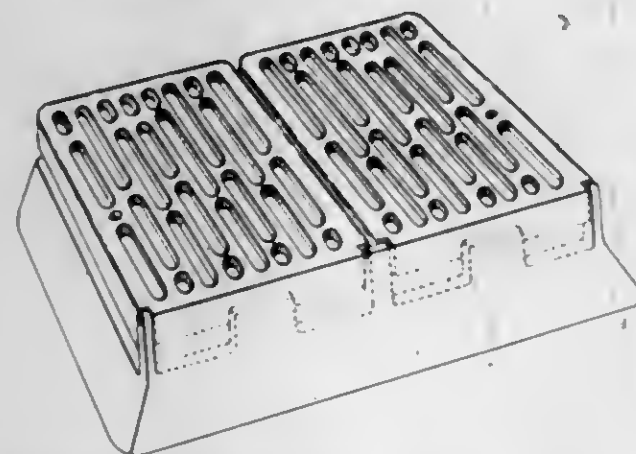
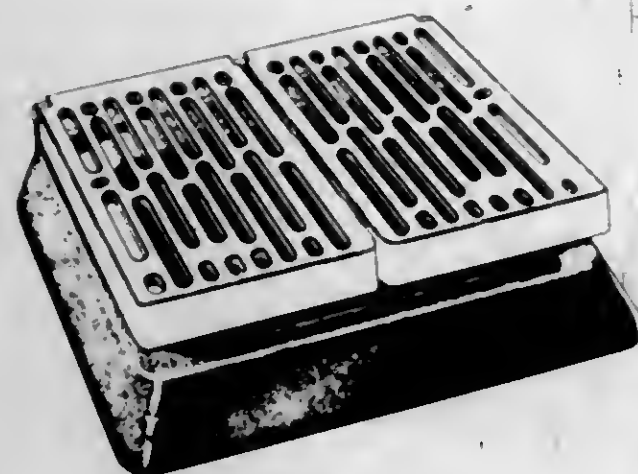


The ornamental design for a combined lamp and planter, substantially as shown and described.

168,613

FOOT SPRAYING DEVICE

Ivanhoe Peter Denysen, Merion, Pa., assignor, by mesne assignments, to Sani-Mist, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 2, 1951, Serial No. 13,651
Term of patent 14 years
(Cl. D83-1)

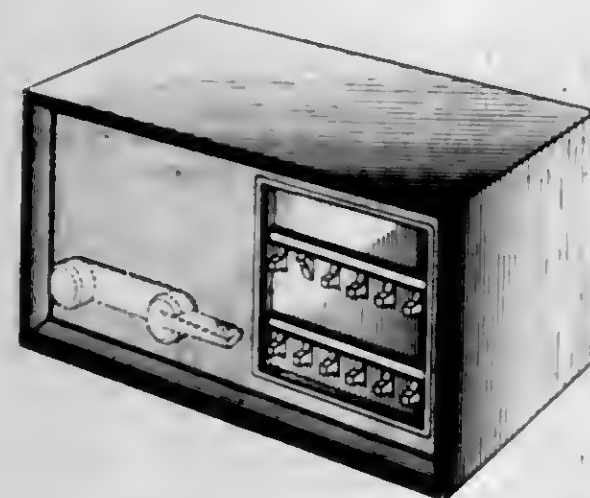


The ornamental design for a foot spraying device, as shown and described.

168,614

INTERCOMMUNICATING SYSTEM MASTER STATION UNIT

James D. Floria, Fox Point, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application July 27, 1951, Serial No. 16,051
Term of patent 14 years
(Cl. D26-14)

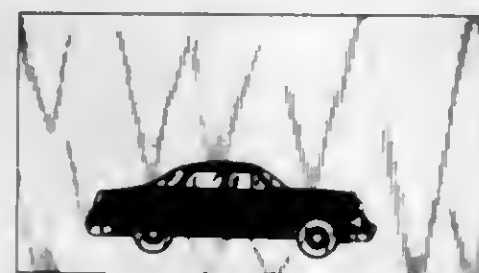
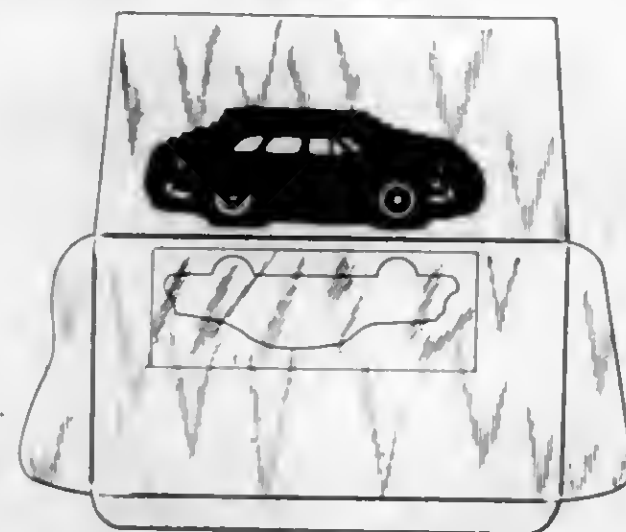


The ornamental design for an intercommunicating system master station unit, substantially as shown and described.

168,615

ENVELOPE

Jerome Hyman, Houston, Tex., assignor to Rockmont Envelope Co., Denver, Colo., a corporation of Colorado
Application November 26, 1951, Serial No. 17,527
Term of patent 14 years
(Cl. D59-8)

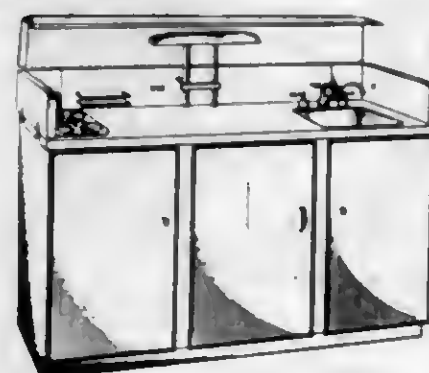
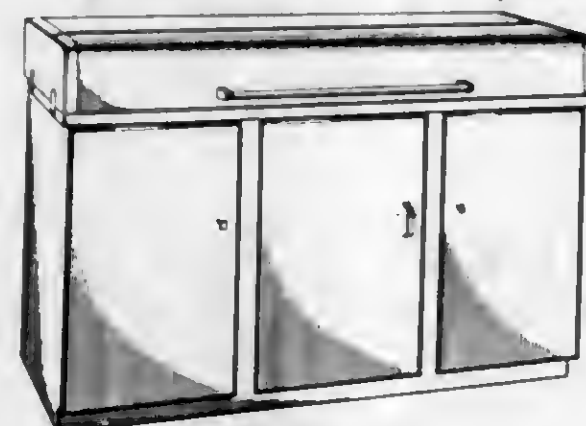


The ornamental design for an envelope, as shown and described.

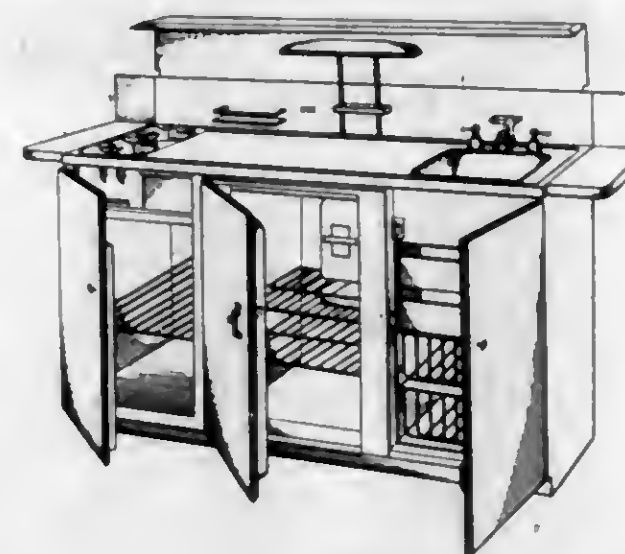
168,616

COMBINATION STOVE, SINK, AND REFRIGERATOR UNIT

Alfonso Iannelli, Park Ridge, Ill.
Application May 6, 1952, Serial No. 19,612
Term of patent 14 years
(Cl. D33-19)



168,616—Continued

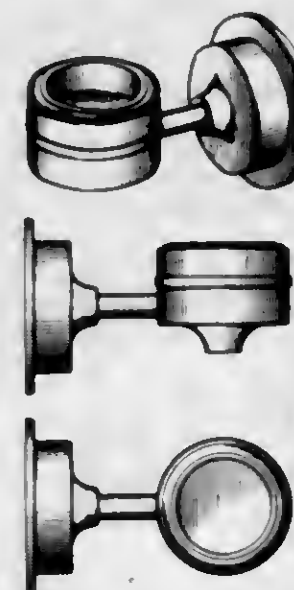


The ornamental design for a combination stove, sink, and refrigerator unit, substantially as shown and described.

168,617

VAPORIZER FOR HEATING AN INSECTICIDE

Arne B. Johnson, Madison, Wis.
Application January 30, 1952, Serial No. 18,304
Term of patent 3½ years
(Cl. D31-3)



The ornamental design for a vaporizer for heating an insecticide, substantially as shown.

168,618

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,252
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,619

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,257
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,620

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,258
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,621

BROOCH OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,567
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or the like, substantially as shown.

168,622

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,568
Term of patent 7 years
(Cl. D45-9)

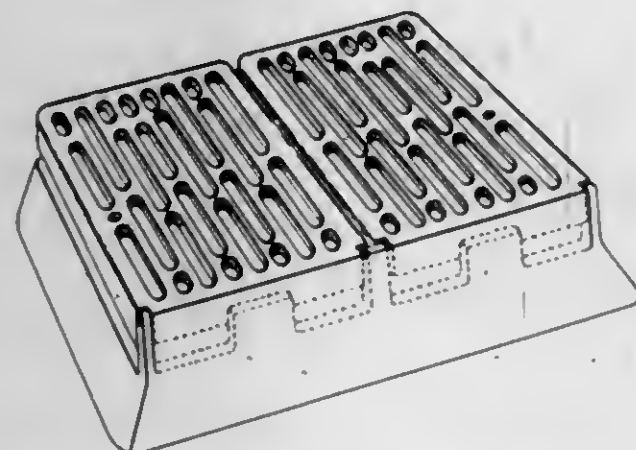


The ornamental design for an earring or the like, substantially as shown.

168,613

FOOT SPRAYING DEVICE

Ivanhoe Peter Denysen, Merion, Pa., assignor, by mesne assignments, to Sani-Mist, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 2, 1951, Serial No. 13,651
Term of patent 14 years
(Cl. D83-1)

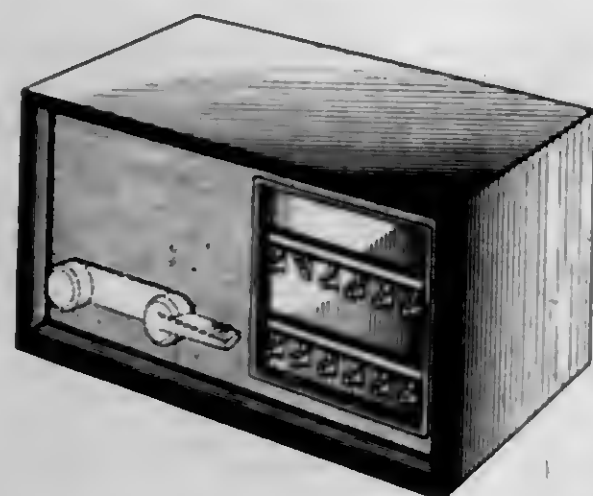


The ornamental design for a foot spraying device, as shown and described.

168,614

INTERCOMMUNICATING SYSTEM MASTER STATION UNIT

James D. Floria, Fox Point, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application July 27, 1951, Serial No. 16,051
Term of patent 14 years
(Cl. D26-14)

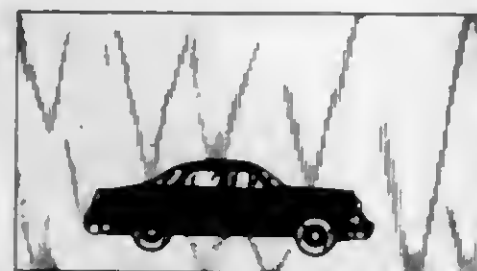
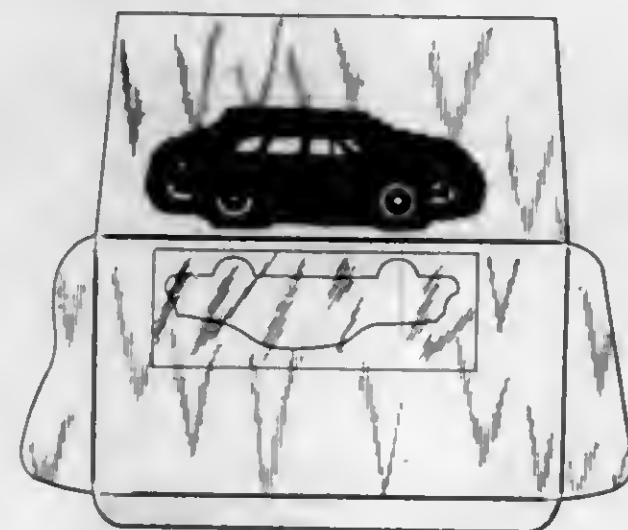


The ornamental design for an intercommunicating system master station unit, substantially as shown and described.

168,615

ENVELOPE

Jerome Hyman, Houston, Tex., assignor to Rockmont Envelope Co., Denver, Colo., a corporation of Colorado
Application November 26, 1951, Serial No. 17,527
Term of patent 14 years
(Cl. D59-8)

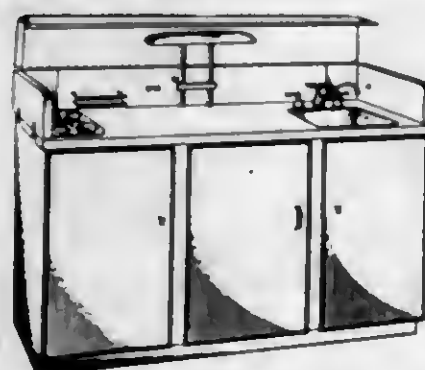
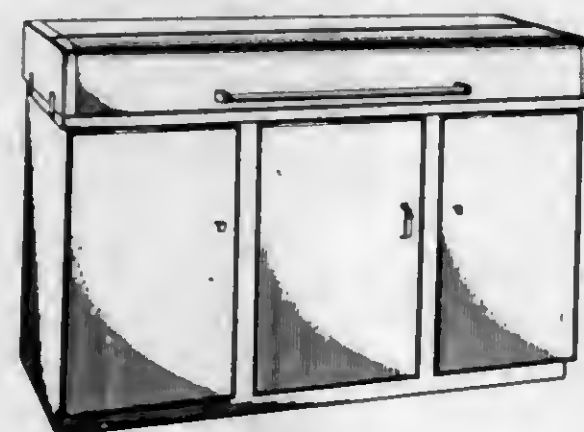


The ornamental design for an envelope, as shown and described.

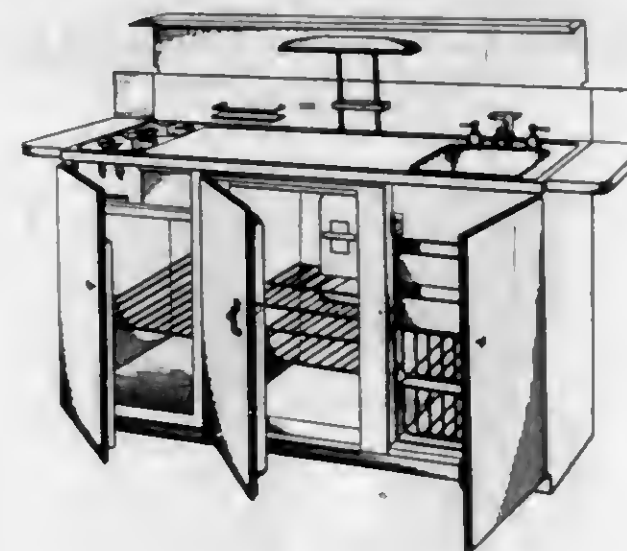
168,616

COMBINATION STOVE, SINK, AND REFRIGERATOR UNIT

Alfonso Iannelli, Park Ridge, Ill.
Application May 6, 1952, Serial No. 19,612
Term of patent 14 years
(Cl. D33-19)



168,616—Continued

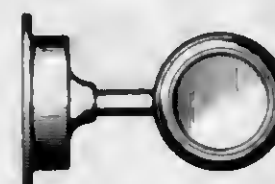
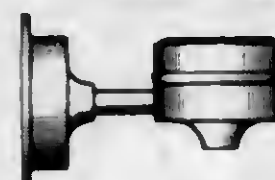


The ornamental design for a combination stove, sink, and refrigerator unit, substantially as shown and described.

168,617

VAPORIZER FOR HEATING AN INSECTICIDE

Arne B. Johnson, Madison, Wis.
Application January 30, 1952, Serial No. 18,304
Term of patent 3½ years
(Cl. D31-3)



The ornamental design for a vaporizer for heating an insecticide, substantially as shown.

168,618

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,252
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,619

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,257
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,620

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,258
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,621

BROOCH OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,567
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or the like, substantially as shown.

168,622

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,568
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,623

BROOCH OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,571
Term of patent 7 years
(Cl. D45-19)



The ornamental design for a brooch or the like, substantially as shown.

168,624

LINK CHAIN FOR A NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,572
Term of patent 7 years
(Cl. D45-16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

168,625

EARRING OR THE LIKE

Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application September 24, 1952, Serial No. 21,573
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,626

STOCKING

William M. Langer, Berlin, N. J.
Application March 25, 1952, Serial No. 19,041
Term of patent 7 years
(Cl. D47-7)

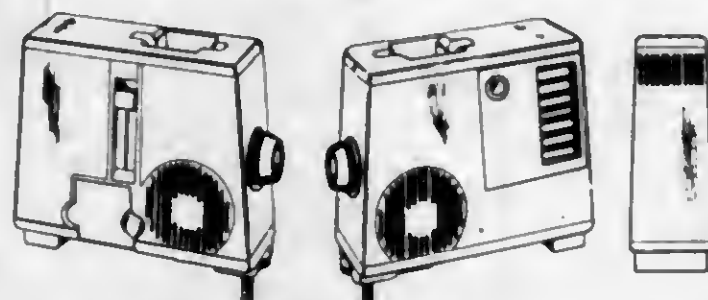


The ornamental design for a stocking, as shown and described.

168,627

SLIDE PROJECTOR

Gerhard Lessman, Chicago, Ill., assignor to DeVry Corporation, Chicago, Ill., a corporation of Illinois
Application July 1, 1952, Serial No. 20,429
Term of patent 14 years
(Cl. D61-1)



The ornamental design for a slide projector, as shown.

168,628

FIGURINE

Biagio P. Melaragno, Johnston, R. I., assignor to Rosbro Plastics Corporation, a corporation of Rhode Island
Application June 20, 1952, Serial No. 20,283
Term of patent 14 years
(Cl. D29-23)

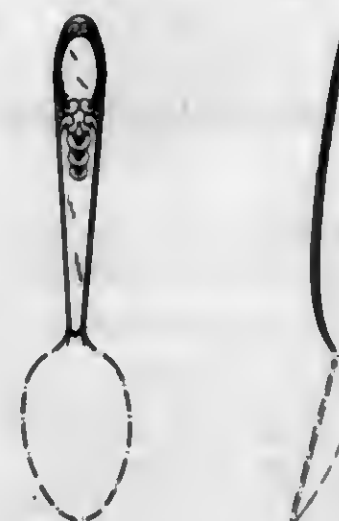


The ornamental design for a figurine, substantially as shown and described.

168,629

SPOON OR THE LIKE

Norman J. Mercer, Brooklyn, N. Y., assignor to Edward W. Ginsburg, New York, N. Y.
Application May 17, 1952, Serial No. 19,762
Term of patent 7 years
(Cl. D54-12)



The ornamental design for a spoon or the like, as shown and described.

168,630

SPOON OR THE LIKE

Norman J. Mercer, Brooklyn, N. Y., assignor to Edward W. Ginsburg, New York, N. Y.
Application May 17, 1952, Serial No. 19,763
Term of patent 7 years
(Cl. D54-12)



The ornamental design for a spoon or the like, as shown and described.

168,631

STOVE HANDLE

William J. Miller, Galesburg, Ill.
Application August 30, 1952, Serial No. 21,247
Term of patent 14 years
(Cl. D81-25)

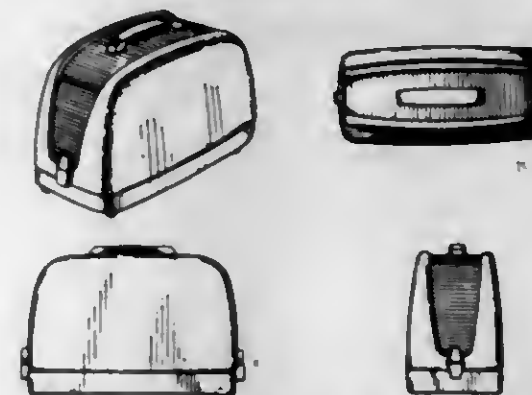


The ornamental design for a stove handle, as shown.

168,632

CARRYING CASE

Erdiek H. Nelson, Naperville, Ill.
Application September 15, 1952, Serial No. 21,461
Term of patent 14 years
(Cl. D87-6)



The ornamental design for a carrying case, substantially as shown and described.

168,633

TEXTILE FABRIC OR SIMILAR ARTICLE

Harry Odser, New York, N. Y.
Application October 22, 1952, Serial No. 21,934
Term of patent 2 1/2 years
(Cl. D92-1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,634

EARRING OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1952, Serial No. 21,024
Term of patent 7 years
(Cl. D45-9)



The ornamental design for an earring or the like, substantially as shown.

168,635

NECKLACE OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1952, Serial No. 21,027
Term of patent 7 years
(Cl. D45-16)



The ornamental design for a necklace or the like, substantially as shown and described.

168,636

BRACELET OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1952, Serial No. 21,029
Term of patent 7 years
(Cl. D45-4)

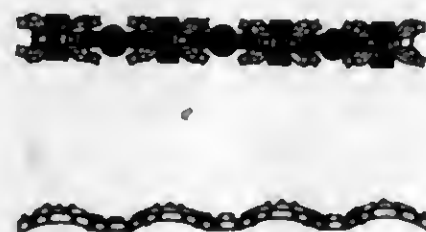


The ornamental design for a bracelet or the like, substantially as shown.

168,637

LINK CHAIN FOR A BRACELET OR THE LIKE

Alfred Philippe, Scarsdale, N. Y., assignor to Tri-fari, Krussman & Fishel, Inc., New York, N. Y.
Application August 13, 1952, Serial No. 21,030
Term of patent 7 years
(Cl. D45-16)



The ornamental design for a link chain for a bracelet or the like, substantially as shown.

168,638

LICENSE PLATE ATTACHMENT

Norman W. Roper and William O. Dodd, Jr.,
San Angelo, Tex.
Application July 14, 1952, Serial No. 20,602
Term of patent 14 years
(Cl. D14-6)

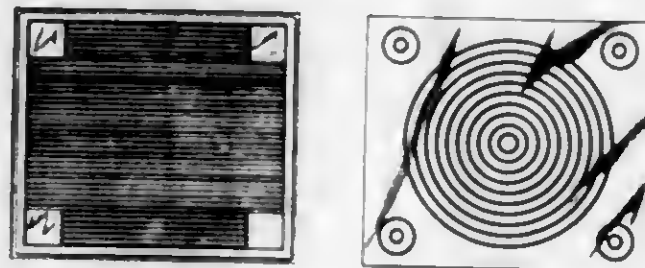


The ornamental design for a license plate attachment, as shown and described.

168,639

RUBBER MAT

Albert Schwartz, Philadelphia, Pa., assignor to Globe Rubber Products Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 21, 1952, Serial No. 21,140
Term of patent 14 years
(Cl. D9-6)



The ornamental design for a rubber mat, as shown.

168,640

APPLIQUE EMBLEM OR SIMILAR ARTICLE
Charles L. Smith, Athens, Ohio, assignor to Ohio Sesquicentennial Commission, Columbus, Ohio
Application September 13, 1952, Serial No. 21,444
Term of patent 3 1/2 years
(Cl. D3-9)

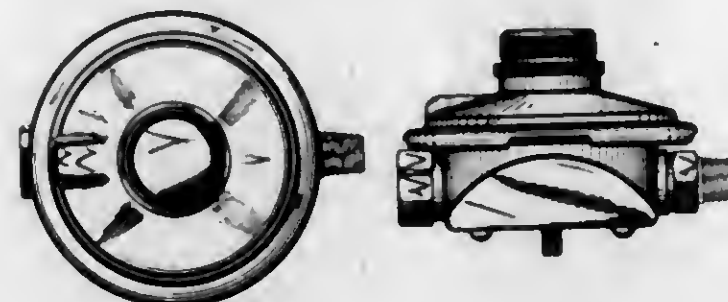


The ornamental design for an applique emblem or similar article, substantially as shown.

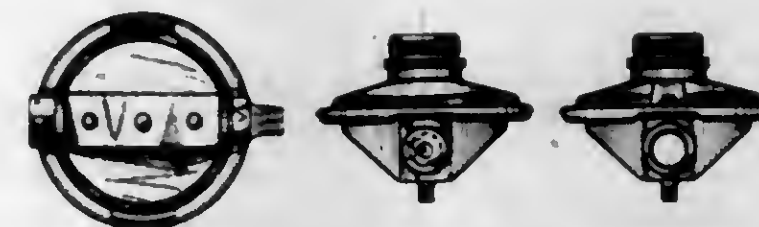
168,641

PRESSURE REGULATOR OR SIMILAR ARTICLE

Theodore A. St. Clair, South Euclid, and Richard C. Krall, Euclid, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application January 24, 1952, Serial No. 18,188
Term of patent 14 years
(Cl. D78-1)



168,641—Continued

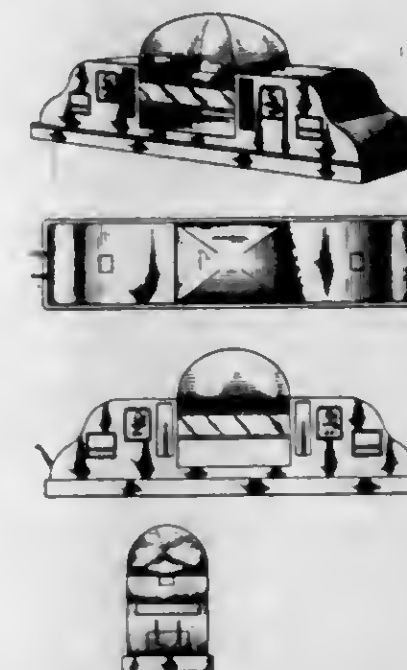


The ornamental design for a pressure regulator or similar article, as shown.

168,642

SERVICE STATION ISLAND

Elmer A. Troik, Fresno, Calif.
Application April 29, 1952, Serial No. 19,511
Term of patent 14 years
(Cl. D52-2)



The ornamental design for a service station island, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- A. De St. Dalmas & Company Limited, Leicester, England. Medicated surgical plasters and medicated surgical dressings, etc. Serial No. 580,169, Jan. 13. Class 18.
- A-M-R Chemical Co. Inc., Brooklyn, N. Y. Moth preventive. Serial No. 632,772, Jan. 13. Class 6.
- Aircraft-Marine Products Inc., Harrisburg, Pa. Molding powder. Serial No. 619,779, Jan. 13. Class 6.
- Airmaster Corporation, Chicago, Ill. Electric air circulators, electric portable home cooling fans, and propellers. Serial No. 572,076, Jan. 13. Class 21.
- Allied Chemical & Dye Corporation, New York, N. Y. Roofing cement, bituminous base coating composition, etc. Serial No. 591,012, Jan. 13. Class 12.
- Alrose Chemical Company, Cranston, R. I. Surface active chemical compositions, germicides, anti-corrosion agents, etc. Serial No. 619,594, Jan. 13. Class 6.
- Amalgamated Dental Co., Ltd., The, London, England. Dental instruments. Serial No. 628,027, Jan. 13. Class 44.
- American Finishing Company, Memphis, Tenn. Finishing compound used to impregnate fabrics to simulate artificial leather. Serial No. 626,722, Jan. 13. Class 6.
- American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Gas conversion burners. Serial No. 632,349, Jan. 13. Class 34.
- American Safety Razor Corporation, Brooklyn, N. Y. Detachable blades for surgical knives. Serial No. 630,568, Jan. 13. Class 44.
- American Seal-Kap Corporation of Delaware, Long Island City, N. Y. Fluid milk. Serial No. 625,951, Jan. 13. Class 46.
- American Sponge & Chamols Company, Inc., New York, N. Y. Chamols leather. Serial No. 620,251, Jan. 13. Class 1.
- American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, now by merger, United States Steel Company. Electrical wire. Serial No. 621,047, Jan. 13. Class 21.
- American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, now by merger, United States Steel Company. Electrical wire and cables. Serial No. 622,574, Jan. 13. Class 21.
- American Viscose Corporation, Philadelphia, Pa. Yarns, threads, and yarn and thread filaments. Serial No. 630,870, Jan. 13. Class 43.
- Antell, Charles, Inc., Baltimore, Md. Hair dressing cream. Serial No. 627,033, Jan. 13. Class 51.
- Antle, L. L., & Co., Inc., Atlanta, Ga. Chemical for retarding oxidation or discoloration of peeled and cut potatoes. Serial No. 622,765, Jan. 13. Class 6.
- Arch Rib Truss Corporation, Los Angeles, Calif. Jolt hangers, jolt anchors, split ring timber connectors, etc. Serial No. 621,122, Jan. 13. Class 12.
- Arkansas Company, Inc., Newark, N. J. Water repellent for textile and leather materials. Serial No. 623,028, Jan. 13. Class 6.
- Armco Steel Corporation, Middletown, Ohio. Corrugated ferrous metal head walls, arches, back-walls, etc. Serial No. 631,398, Jan. 13. Class 12.
- Armour and Company, Chicago, Ill. Upper leather. Serial No. 543,075, Jan. 13. Class 1.
- Armour and Company, Chicago, Ill. Frozen eggs, powdered eggs, meringue powder, etc. Serial No. 629,081, Jan. 13. Class 46.
- Armstrong Bros. Tool Co., Chicago, Ill. High speed cutter bits, blades and cutters, etc. Serial No. 595,351, Jan. 13. Class 23.
- Armstrong Paint & Varnish Works, Chicago, Ill. Glasier's putty, asphalt, sound deadener. Serial No. 559,775, Jan. 13. Class 12.
- Atlantco & Cie, also does business as Anber Parfums, Paris, France. Perfumes. Serial No. 609,156, Jan. 13. Class 51.
- Auber Parfums: See—Atlantco & Cie.
- Baker Castor Oil Company, The, Jersey City, N. J. Castor oil, oxidized castor oil, polymerized castor oil, etc. Serial No. 621,440, Jan. 13. Class 6.
- Bancroft, Joseph, & Sons Co., Wilmington, Del. Fabrics. Serial No. 634,772, Jan. 13. Class 42.
- Barbasol Company, The, Indianapolis, Ind. Paste-like preparation for shaving. Serial No. 631,644, Jan. 13. Class 51.
- Barbison Corporation, The, New York, N. Y. Ladies' slippers. Serial No. 626,489, Jan. 13. Class 39.
- Barclay, Jas., & Co. Limited, Detroit, Mich. Whiskey. Serial No. 613,318, Jan. 13. Class 46.
- Barnes Canning Company, Ltd., Tampa, Fla. Canned chicken with yellow rice. Serial No. 629,343, Jan. 13. Class 40.
- Bartmann & Bizer, Inc., New York, N. Y. Window curtains. Serial Nos. 632,237-8, Jan. 13. Class 42.
- Bata Shoe Company, Inc., Belcamp, Md. Hosiery. Serial No. 624,871, Jan. 13. Class 39.
- Battle Creek Equipment Company, Battle Creek, Mich. Electrically operated reducing lounges. Serial No. 630,982, Jan. 13. Class 44.
- Beauty Counselors, Inc., Grosse Pointe, Mich. Powder base. Serial No. 632,823, Jan. 13. Class 51.
- Beltz Corporation, St. Louis, Mo. Garment belts. Serial No. 632,014, Jan. 13. Class 39.
- Bendix Aviation Corporation, Detroit, Mich. Power breaking units of the differential air pressure type. Serial No. 611,014, Jan. 13. Class 19.
- Berry Seed Company, Clarinda, Iowa. Seed oats. Serial No. 625,328, Jan. 13. Class 1.
- Berst, C. J., & Co., Portage, Wis. Cheese. Serial No. 629,149, Jan. 13. Class 46.
- Bestile Manufacturing Company, Ontario, Calif. Inside plastic wall tile. Serial No. 623,532, Jan. 13. Class 12.
- Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Woven pile rugs and carpets. Serial No. 621,999, Jan. 13. Class 42.
- Borden Company, The, New York, N. Y. Ice cream. Serial No. 631,044, Jan. 13. Class 46.
- Breyer Ice Cream Company, Philadelphia, Pa. Ice cream. Serial No. 601,193, Jan. 13. Class 46.
- Brown & Sharpe Manufacturing Company, Providence, R. I. Apparatus comprising strain gauges and an electronic amplifier. Serial No. 582,020, Jan. 13. Class 26.
- Brunswick Quick Freezer: See—Lewia, Samuel L.
- Burpee, W. Atlee, Co., Philadelphia, Pa. Flower seeds. Serial Nos. 629,545-6, Jan. 13. Class 1.
- Burpee, W. Atlee, Co., Philadelphia, Pa. Flower seeds. Serial Nos. 629,548-53, Jan. 13. Class 1.
- Cal Products Company, Los Angeles, Calif. Laundry soap. Serial No. 592,868, Jan. 13. Class 52.
- Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 618,955, Jan. 13. Class 42.
- Capulets: See—Wechsler, Frederick L.
- Carborundum Company, The, Niagara Falls, N. Y. Thermal insulation. Serial No. 615,478, Jan. 13. Class 12.
- Cardinal Chemical Corporation, Philadelphia, Pa. Insecticide. Serial No. 621,702, Jan. 13. Class 6.
- Carlton Mills Company, Philadelphia, Pa. Textile fabrics. Serial No. 624,329, Jan. 13. Class 42.
- Chadbourne Hosiery Mills, Incorporated, Charlotte, N. C. Ladies' hosiery. Serial No. 630,988, Jan. 13. Class 39.
- Chadbourne Hosiery Mills, Incorporated, Charlotte, N. C. Ladies' hosiery. Serial No. 632,289, Jan. 13. Class 39.
- Chain-O-Lakes, Inc., Wausau, Wis. Cheese. Serial No. 635,742, Jan. 13. Class 46.
- Chevette, Inc., New York, N. Y. Ladies' and misses' petticoats and slips. Serial No. 617,338, Jan. 13. Class 39.
- Chicago Pharmacal Company, Chicago, Ill. Medicinal preparation. Serial No. 609,533, Jan. 13. Class 18.
- Christy Company, The, Fremont, Ohio. Surgical blades. Serial No. 629,425, Jan. 13. Class 44.
- Clag Aktiengesellschaft, Schaffhausen, Switzerland. Medical preparations. Serial No. 605,992, Jan. 13. Class 18.
- Clairol Incorporated, Stamford, Conn. Hair tinting and coloring preparations. Serial No. 597,585, Jan. 13. Class 51.
- Cleveland Mills Co., Lawndale, N. C. Sewing threads. Serial No. 632,660, Jan. 13. Class 43.
- Collins & Aikman Corporation, New York, N. Y. Upholstery fabrics. Serial No. 623,184, Jan. 13. Class 42.
- Colonial Molasses Co. of La., Inc., New Orleans, La. Sugar cane syrup. Serial Nos. 633,835-6, Jan. 13. Class 46.
- Columbia Records Inc., Bridgeport, Conn. Grooved phonograph records and phonograph record album. Serial Nos. 615,758-9, Jan. 13. Class 36.
- Cook-Waite Laboratories, Inc., New York, N. Y. Antiseptic preparation. Serial No. 633,714, Jan. 13. Class 6.
- Corn Products Refining Company, New York, N. Y. Polysaccharide, glucuronolactone, sodium glucuronate and potassium glucuronate. Serial No. 627,115, Jan. 13. Class 6.
- Corn Products Refining Company, New York, N. Y. Glucuronolactone, sodium glucuronate and potassium glucuronate. Serial No. 627,116, Jan. 13. Class 18.
- Crown Manufacturing Company, South Attleboro, Mass. Piece goods. Serial No. 634,243, Jan. 13. Class 42.
- Cutter Laboratories, Berkeley, Calif. Disposable syringes. Serial No. 627,811, Jan. 13. Class 44.
- Cyclo Gear Company Limited, Birmingham, Warwickshire, England. Variable speed gears. Serial No. 589,710, Jan. 13. Class 23.
- Dan River Mills, Incorporated, Danville, Va. Textile fabrics. Serial No. 634,302, Jan. 13. Class 42.

LIST OF TRADE-MARK APPLICANTS

Dan River Mills, Incorporated, Danville, Va. Textile fabrics. Serial No. 635,123, Jan. 13. Class 42.

Davis Manufacturing Company, Atlanta, Ga. Metal awnings. Serial No. 624,097, Jan. 13. Class 12.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 617,015, Jan. 13. Class 42.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial Nos. 634,312-14, Jan. 13. Class 42.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 634,316, Jan. 13. Class 42.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial Nos. 634,318-19, Jan. 13. Class 42.

Denver Chemical Manufacturing Company, The, New York, N. Y. Dry diagnostic reagent, etc. Serial No. 626,289, Jan. 13. Class 18.

Devito, Michael J., New London, Conn. Partially printed record books. Serial No. 614,494, Jan. 13. Class 37.

Diversey Corporation, The, Chicago, Ill. Insecticide. Serial No. 632,245, Jan. 13. Class 6.

Donovan Industries, Inc., Westport and Saugatuck, Conn. Leather. Serial No. 631,236, Jan. 13. Class 1.

Dorlin, A. L., New York, N. Y. Women's and misses' hosiery. Serial No. 623,242, Jan. 13. Class 39.

Dow Chemical Company, The, Midland, Mich. Fumigant. Serial Nos. 616,415-16, Jan. 13. Class 6.

Doyle, Joel G., Kansas City, Mo. Lawn Mowers. Serial No. 601,316-17, Jan. 13. Class 23.

Dunn, W. E., Manufacturing Company, The, Holland, Mich. Machines for manufacturing concrete roofing tile. Serial No. 612,597, Jan. 13. Class 23.

Dupli-Color Products Co., Inc., Chicago, Ill. Automobile polish. Serial No. 632,776, Jan. 13. Class 4.

Dura Company, The: See—
Kolar Laboratories, Inc.

Eastern States Storm Window, Inc., West Springfield, Mass. Manufacture to individual specifications of glassed and screened storm windows and doors. Serial No. 617,019, Jan. 13. Class 106.

Easton Car & Construction Company, Easton, Pa. Rubber tired quarry units—namely, off-highway semi-trailers, truck mounted bodies, etc. Serial No. 617,364, Jan. 13. Class 19.

Economics Laboratory, Inc., St. Paul, Minn. Cleaning preparation. Serial No. 606,601, Jan. 13. Class 52.

Electromode Corporation, Rochester, N. Y. Electric space heaters, air duct electric space heaters, etc. Serial No. 617,639, Jan. 13. Class 21.

Elraco Engineering Company, Hoboken, N. J. Chemical compound. Serial No. 625,667, Jan. 13. Class 6.

Emerick, Lucille, New York, N. Y. Toy set. Serial No. 619,702, Jan. 13. Class 22.

Emerson & Colclitz, Hay City, Mich. All purpose cleaner. Serial No. 632,469, Jan. 13. Class 32.

Esmond Chemical Company, Inc., Esmond, R. I. Sodium sulfoxylate formaldehyde. Serial No. 625,263, Jan. 13. Class 6.

Euclid Chemical Company, The, East Cleveland, Ohio. Surface treatment material. Serial No. 590,358, Jan. 13. Class 12.

Ex-Cell-O Corporation, Detroit, Mich. Machines for manufacturing paper container blanks, etc. Serial No. 558,480, Jan. 13. Class 23.

Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Cameras, camera magazines, photographic viewfinders, etc. Serial No. 600,750, Jan. 13. Class 26.

Federal Cigar Company, Inc., The, Red Lion, Pa. Cigars. Serial No. 598,849, Jan. 13. Class 17.

Federated Department Stores, Inc., Cincinnati, Ohio. Face and dusting powders, dry and cream rouges, etc. Serial No. 624,879, Jan. 13. Class 31.

Fellow Medical Manufacturing Company, Inc., New York, N. Y. Preparation of chloral hydrate. Serial No. 631,533, Jan. 13. Class 18.

Ferry-Morse Seed Co., Mountain View, Calif. Lawn seed. Serial No. 630,929, Jan. 13. Class 1.

Filotechnica Salmofraghi S. A., Milan, Italy. Lenses for eye-glasses, prisms for optical use, etc. Serial No. 601,897, Jan. 13. Class 26.

Flavor Corporation of America, Chicago, Ill. Flavoring extracts. Serial No. 629,160, Jan. 13. Class 46.

Flintkote Company, The, New York, N. Y. Bituminous type adhesive. Serial No. 629,003, Jan. 13. Class 5.

Flintkote Company, The, New York, N. Y. Roofing materials. Serial No. 629,000, Jan. 13. Class 12.

Foster Lumber Company, Kansas City, Mo. Plastic roof cement; cold process sealer; caulking compound; etc. Serial No. 609,236, Jan. 13. Class 12.

Frontier Refining Company, The, Denver, Colo. Gasoline. Serial No. 620,884, Jan. 13. Class 15.

Fruit Products Corporation, New York, N. Y. Empty bags. Serial Nos. 631,409-10, Jan. 13. Class 2.

Fuller, D. H., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 634,324, Jan. 13. Class 42.

Fuller, D. H., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 634,367, Jan. 13. Class 42.

Fuller, D. H., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 634,977, Jan. 13. Class 42.

Fulop, Nate J., Company, San Francisco, Calif. Men's clothing. Serial No. 630,532, Jan. 13. Class 39.

Garlock Packing Company, The, Palmyra, N. Y. Mechanical packing. Serial No. 600,658, Jan. 13. Class 35.

Gandlin, Dr. Olivier, Paris, France. Analgesic balm. Serial No. 581,764, Jan. 13. Class 18.

Gee Eye Chemical Company: See—
Gee Eye Shine Chemical Co.

Gee Eye Shine Chemical Co., also doing business as Gee Eye Chemical Company, Tyrone, Pa. Detergents. Serial No. 590,840, Jan. 13. Class 32.

Gemet, Theodore: See—
(Smith) Eugenia Smetisko.

General Bronze Corporation, Garden City, N. Y. Television distribution systems. Serial No. 602,395, Jan. 13. Class 21.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Wheat flour. Serial No. 611,175, Jan. 13. Class 46.

General Plywood Corporation, Louisville, Ky. Wooden doors. Serial No. 626,872, Jan. 13. Class 12.

Georgia-Pacific Plywood Company, Augusta, Ga. Plywood products. Serial Nos. 629,566-8, Jan. 13. Class 12.

Glaser, H., & Son, Inc., Boston, Mass. Ladies' hosiery. Serial No. 625,672, Jan. 13. Class 39.

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. Serial No. 626,791, Jan. 13. Class 42.

Gramer, Walter W., Minneapolis, Minn. Solution of sulphur. Serial No. 618,352, Jan. 13. Class 18.

Grayburn Corporation, New York, N. Y. Radio antennas. Serial No. 614,501, Jan. 13. Class 21.

Greenapan and Company, Inc., Philadelphia, Pa. Electric china table lamps. Serial No. 614,434, Jan. 13. Class 21.

Gregory & Falk, San Francisco, Calif. Powders for sensitized surface coatings for lithographic plates. Serial No. 618,353, Jan. 13. Class 6.

Grocery Dispatch, Inc., Brooklyn, N. Y. Storing, transporting, and forwarding groceries. Serial No. 604,198, Jan. 13. Class 105.

Hamilton Hosiery Mills, Inc., New York, N. Y. Women's stockings. Serial No. 627,632, Jan. 13. Class 39.

Hans, Edmund E., Detroit, Mich. Combined ventilating and cooling systems for vehicles. Serial No. 611,954, Jan. 13. Class 19.

Harrie, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Children's bicycles. Serial No. 546,294, Jan. 13. Class 22.

Harrison's Heart O'Orange, Inc., Chicago, Ill. Canned lemon juice. Serial No. 622,438, Jan. 13. Class 46.

Hart Schaffner & Marx, Chicago, Ill. Men's and boys' articles of clothing. Serial No. 630,674, Jan. 13. Class 39.

Hart's Bakery, Inc., Sikeston, Mo. Bread and rolls. Serial No. 597,754, Jan. 13. Class 40.

Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 629,299, Jan. 13. Class 39.

Hawkinson, Paul E., Company, Minneapolis, Minn. Tire repair materials. Serial No. 636,173, Jan. 13. Class 35.

Helland Research Corporation, Denver, Colo. Service, maintenance, and repair of photographic equipment, etc. Serial No. 605,741, Jan. 13. Class 103.

Hemlinway & Bartlett Mfg. Co., The, Watertown, Conn. Slip stitching thread. Serial No. 623,140, Jan. 13. Class 43.

Herbert Hosiery Company, Norristown, Pa. Men's, women's, and children's full length, angle-length, and abbreviated socks. Serial No. 578,495, Jan. 13. Class 39.

Hercules Powder Company, Wilmington, Del. Ethylene oxide-rosinamine. Serial No. 626,032, Jan. 13. Class 6.

Hillyard Chemical Company, St. Joseph, Mo. Liquid window cleaner. Serial No. 614,944, Jan. 13. Class 52.

Hobb-Swernam Company, Wichita Falls, Tex. Hydraulic brake fluid. Serial No. 613,451, Jan. 13. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Adrenolytic. Serial No. 631,927, Jan. 13. Class 18.

Hollingshead, R. M., Corporation, Camden, N. J. Insecticide. Serial No. 624,548, Jan. 13. Class 6.

Houdaille-Hershey Corporation, Detroit, Mich. Shock absorbers. Serial No. 620,257, Jan. 13. Class 19.

Howard, Arthur P., Montebello, Calif. Rose plants. Serial No. 626,511, Jan. 13. Class 1.

Hudson, J. L., Company, The, Detroit, Mich. Dolls. Serial No. 623,417, Jan. 13. Class 22.

Huffman Manufacturing Company, The, Dayton, Ohio. Spring forks for bicycles. Serial No. 599,434, Jan. 13. Class 19.

Huron Milling Company, The, Haddon Beach, Mich. Starch products. Serial No. 611,521, Jan. 13. Class 6.

Incoro, Inc., Kingston, N. Y. Coffee. Serial No. 628,107, Jan. 13. Class 46.

Integrated Mica Corporation, Woodmere, N. Y. Impregnated and unimpregnated sheets integrated from mica flakes. Serial No. 627,447, Jan. 13. Class 1.

Interstate Engineering Corporation, El Segundo, Calif. Domestic electric vacuum cleaners. Serial No. 629,890, Jan. 13. Class 21.

Inventa A. G., Lucerne, Switzerland. Polymers on the base of lactam. Serial No. 629,168, Jan. 13. Class 6.

Jordan, Paul O., doing business as The Radex Co., Hudson, Wis. Space heaters employing electric heat lamps, and circulating fans, and parts thereof. Serial No. 584,330, Jan. 13. Class 21.

Judy Company, The, Minneapolis, Minn. Inlay puzzles. Serial No. 609,631, Jan. 13. Class 22.

K. C. Huffer Supply, Kansas City, Mo. Sauce. Serial No. 629,206, Jan. 13. Class 46.

LIST OF TRADE-MARK APPLICANTS

Kay Electric Co., Inc., Brooklyn, N. Y. Insecticide. Serial No. 615,936, Jan. 13. Class 6.

Kemart Corporation, San Francisco, Calif. Photographic papers. Serial No. 620,259, Jan. 13. Class 26.

Kemp & Beatty, Inc., New York, N. Y. Table cloths, napkins, guest towels, and furniture scarfs. Serial No. 628,540, Jan. 13. Class 42.

Kempfert, Clarence F., doing business as Kempfert's Veterinary Supply Co., Monroe, Wis. Ready-to-use rat and mouse bait. Serial No. 624,887, Jan. 13. Class 6.

Kempfert's Veterinary Supply Co.: See—
Kempfert, Clarence F.

Kendall Company, The, Boston, Mass. Elastic stockings. Serial No. 630,417, Jan. 13. Class 44.

Kilgore Seed Company, The, Plant City, Fla. Fungicide. Serial No. 624,747, Jan. 13. Class 6.

Kimberly-Clark Corporation, Neenah, Wis. Absorbent tissue. Serial No. 621,563, Jan. 13. Class 37.

King, Douglas H., Short Hills, N. J. Lawn sprinklers. Serial No. 594,326, Jan. 13. Class 13.

Kirk, Bill, Mfg. Co. of Amarillo: See—
Kirk, William M.

Kirk Manufacturing Co., assignee: See—
Kirk, William M.

Kirk Products Co.: See—
Kirk, William M.

Kirk, William M., doing business under the name of Kirk Products Co., assignor to Kirk Manufacturing Co., doing business as Bill Kirk Mfg. Co. of Amarillo, Amarillo, Tex. Automatic, stationary, mechanical livestock oiler and insecticide applicator. Serial No. 605,747, Jan. 13. Class 23.

Kitchen Craft Foods Corporation, Brooklyn, N. Y. Foods and food products. Serial No. 548,084, Jan. 13. Class 46.

Koh-I-Noor Penell Company, Inc., Gloomabury, N. J. Plastic material solution. Serial No. 630,469, Jan. 13. Class 6.

Kolar Laboratories, Inc., doing business under the style name of the Dura Company, Chicago, Ill. Hair waving preparation. Serial No. 634,200, Jan. 13. Class 51.

Krieger, A. W., doing business as Krieger's Wholesale Nursery, Bridgman, Mich. Fruit plants. Serial No. 630,713, Jan. 13. Class 1.

Krieger's Wholesale Nursery: See—
Krieger, A. W.

Leaf Brands, Inc., Chicago, Ill. Candy and chewing gum. Serial No. 621,211, Jan. 13. Class 46.

Lernell Agency, Inc., San Francisco, Calif. Preparation of radio and television scripts and transcriptions for use in broadcasting. Serial No. 610,280, Jan. 13. Class 101.

Lewis, Samuel L., doing business under the name of Brunswick Quick Freezer, Brunswick, Ga. Fresh frozen shrimps and fresh breaded frozen shrimp. Serial No. 623,970, Jan. 13. Class 48.

Limbro Mfg. Corp., New York, N. Y. Scarfs. Serial No. 630,896, Jan. 13. Class 39.

Lindemann, A. J., & Hoverson Company, The, Milwaukee, Wis. Electric water heaters. Serial No. 630,088, Jan. 13. Class 21.

Lipman and Lipman, Inc., New York, N. Y. and Hollywood, Fla. Fresh deciduous and citrus fruits and fresh vegetables. Serial No. 627,138, Jan. 13. Class 46.

Lokey, Robert R., Jr., doing business as Variety Products, Los Angeles, Calif. Garment mending patches. Serial No. 614,353, Jan. 13. Class 40.

M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Tea. Serial No. 622,305, Jan. 13. Class 46.

Mackianburg-Duncan Company, Oklahoma City, Okla. Asphaltic cement. Serial No. 618,090, Jan. 13. Class 12.

Mallinckrodt Chemical Works, St. Louis, Mo. Acid silicic, acid tungstic, ammonium chloride, etc. Serial No. 622,839, Jan. 13. Class 6.

Manhattan Shirt Company, The, New York, N. Y. Pajamas, undershirts and undershorts. Serial No. 626,998, Jan. 13. Class 39.

Manheimer Watch Company, Chicago, Ill. Gold and platinum wedding rings, and gold and platinum and diamond mounted mountings and wedding rings. Serial No. 621,498, Jan. 13. Class 28.

Mansald Drug Company: See—
Ohly, Philip H.

Maryland Baking Company, The, Baltimore, Md. Ice cream cones. Serial No. 614,883, Jan. 13. Class 46.

Masonite Corporation, Chicago, Ill., and Laurel, Miss. Fiber board, insulating board, composite board, etc. Serial No. 577,063, Jan. 13. Class 12.

McGraw Electric Company, Milwaukee, Wis. Electrical conductor connectors. Serial No. 628,821, Jan. 13. Class 21.

McNell Laboratories, Incorporated, Philadelphia, Pa. Vitamin, iron and liver preparation. Serial No. 603,071, Jan. 13. Class 18.

McQueen, Luther, Connersville, Ind. Liniment. Serial No. 614,407, Jan. 13. Class 18.

Melaro's Incorporated, Oakmont, Pa. Permanent wave, neutralizers and heat or cold wave solutions or lotions, lipsticks, etc. Serial No. 600,944, Jan. 13. Class 51.

Mendes, J. Curry, Corporation, Boston, Mass. Collating and tipping machines. Serial No. 631,673, Jan. 13. Class 23.

Merek & Co., Inc., Rahway, N. J. Hormonal substance. Serial No. 617,621, Jan. 13. Class 18.

Merit Transformer Corporation, Chicago, Ill. Transformers, coils, chokes and yokes. Serial No. 619,514, Jan. 13. Class 21.

Miami Margarine Company, The, Cincinnati, Ohio. Margarine. Serial No. 631,380, Jan. 13. Class 46.

Midland Brick and Tile Company, Chillicothe, Mo. Face brick. Serial No. 624,732, Jan. 13. Class 12.

Miles Shoes Incorporated, New York, N. Y. Women's and misses' hosiery. Serial No. 627,209, Jan. 13. Class 39.

Mona Industries, Inc., Paterson, N. J. Substantive anti-fume agent, cation active softener, cation active pigment duller and softener, etc. Serial No. 617,884, Jan. 13. Class 8.

Motor Products Corporation, Detroit, Mich., and North Chicago, Ill. Laminated wrapping paper. Serial No. 630,945, Jan. 13. Class 37.

Multiple Breaker Company, The, Boston, Mass. Drinking water. Serial No. 631,810, Jan. 13. Class 45.

Multi-Vent Awning & Aluminum Co., Augusta, Ga. Metal awnings. Serial No. 600,843, Jan. 13. Class 12.

Nash-De Camp Company, Visalia, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 633,733, Jan. 13. Class 46.

National Homes Corporation, La Fayette, Ind. Prefabricated houses. Serial No. 628,550, Jan. 13. Class 12.

Neck, Frank E., doing business as Neck Sales Co., Los Angeles, Calif. Hair dressing preparations. Serial No. 604,735, Jan. 13. Class 51.

Neck Sales Co.: See—
Neck, Frank E.

Nenbauer, Robert G., Incorporated, Bridgeport, Conn. Service of rendering art services of sales promotional nature. Serial No. 627,765, Jan. 13. Class 100.

New York Association for the Blind, Inc., The, New York, N. Y. Mops. Serial No. 606,033, Jan. 13. Class 29.

New York Association for the Blind, Inc., The, New York, N. Y. Brooms. Serial No. 608,035, Jan. 13. Class 29.

Nicholson File Company, Providence, R. I. Files and rasps. Serial No. 561,369, Jan. 13. Class 23.

Nissenbaum, Nathaniel H., doing business as Textile Products Company, Philadelphia, Pa. Canvas products. Serial No. 628,646, Jan. 13. Class 50.

Molder Steel Company, Chicago, Ill. Treatment of sheets and coils of metal. Serial No. 607,232, Jan. 13. Class 106.

Northmont Hosiery Corporation, Reading, Pa. Hosiery. Serial No. 626,815, Jan. 13. Class 39.

North Star Woolen Mill Company, Minneapolis, Minn., and Lima, Ohio. Blankets. Serial No. 621,723, Jan. 13. Class 42.

Nu-Mode Lingerie Co., Inc., New York, N. Y. Pajamas. Serial No. 624,100, Jan. 13. Class 39.

Nutrena Mills, Inc., Minneapolis, Minn. Dietary supplement. Serial No. 624,698, Jan. 13. Class 18.

Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Flashlights, electric phonographs and radios. Serial No. 623,038, Jan. 13. Class 21.

Oakley, Annie, Enterprises, Inc., assignee: See—
Oakley, Annie, Enterprises.

Ohly, Philip H., doing business under the name of Mansald Drug Company, Oberlin, Ohio. Medicinal compound. Serial No. 625,915, Jan. 13. Class 18.

Ojai Orange Association, Ojai, Calif. Fresh citrus fruits. Serial No. 545,026, Jan. 13. Class 46.

Ossola, J., Co.: See—
Ossola, J., Co. Inc.

Ossola, J., Co. Inc., also known as J. Ossola Co., New York, N. Y. Anchovies, apricots, artichokes, etc. Serial No. 606,629, Jan. 13. Class 46.

Pacardat, S. A., Madrid, Spain. Girders, joists, beams, etc. Serial No. 621,573, Jan. 13. Class 12.

Patterson Edwards Limited, London, England. Wheeled toys. Serial No. 616,607, Jan. 13. Class 22.

Perma-Rock Products, Inc., Baltimore, Md. Aggregate material. Serial Nos. 631,304-5, Jan. 13. Class 1.

Perma-Strate Company, Memphis, Tenn. Hair straightening cream. Serial No. 624,968, Jan. 13. Class 51.

Platka Export Co., Inc., doing business as Utility Products Co., Fort Wayne, Ind. Automotive replacement parts. Serial No. 622,226, Jan. 13. Class 23.

Pretlow Peanut Company, Inc., Franklin, Va. Raw unshelled extra large fancy hand picked Virginia peanuts. Serial No. 600,350, Jan. 13. Class 46.

Protection Products Mfg. Co., Kalamazoo, Mich. Water repellent for impregnating wood. Serial No. 631,949, Jan. 13. Class 6.

Protein Blenders, Inc., Iowa City, Iowa. Supplement to livestock and poultry feeds. Serial No. 592,222, Jan. 13. Class 18.

Quality Lampost Co., Oceanside, N. Y. Detergents. Serial No. 616,868, Jan. 13. Class 52.

Radex Co., The: See—
Jordan, Paul O.

Raskin, Henry, Detroit, Mich. Dog deodorant. Serial No. 625,225, Jan. 13. Class 51.

Recessed Screw Co., Inc., New York, N. Y. Machine, wood, and metal screws. Serial No. 630,911, Jan. 13. Class 13.

LIST OF TRADE-MARK APPLICANTS

Rexall Drug Company, Los Angeles, Calif. Antibiotic and anesthetic throat lozenges. Serial No. 627,840, Jan. 13. Class 18.

Richards, Caryl, Inc., Brooklyn, N. Y. Permanent wave lotion. Serial No. 626,413, Jan. 13. Class 51.

Rottle Kazootle, Inc., New York, N. Y. Toy hand puppets. Serial No. 631,123, Jan. 13. Class 22.

Royal Barry-Carter Mills, Inc., Nashville, Tenn. Jams, jellies, and cherry, damson, peach and strawberry preserves. Serial No. 628,719, Jan. 13. Class 46.

Rubinstein, Helena, Inc., New York, N. Y. Cologne. Serial No. 601,050, Jan. 13. Class 51.

Russell, John, Labs, Inc., Miami Springs and Hialeah, Fla. Prepared and medicated surgical dressings. Serial No. 613,607, Jan. 13. Class 18.

Rusaelure Mfg. Co., Inc., Los Angeles, Calif. Artificial fish lures. Serial No. 631,182, Jan. 13. Class 22.

Safco Bros. Co., Inc., New York, N. Y. Sheeting. Serial No. 623,367, Jan. 13. Class 42.

St. Thomas Inc., Gloversville, N. Y. Combined billfolds and purses. Serial No. 631,257, Jan. 13. Class 3.

Sandos Chemical Works, Inc., New York, N. Y. Chemical preparations. Serial No. 632,177, Jan. 13. Class 6.

Sand'n Level and Tool Company, The, Detroit, Mich. Spirit levels. Serial No. 539,569, Jan. 13. Class 26.

Sarnak Company Limited, The, Toronto, Ontario, Canada. Internal medicine. Serial No. 609,260, Jan. 13. Class 18.

Savogran Company, The, Boston, Mass. Cleaning compound. Serial No. 603,944, Jan. 13. Class 52.

Schomberg, Leslie, New York, N. Y. Stockings. Serial No. 627,466, Jan. 13. Class 39.

Schultz, Peter L., Tacoma, Wash. Police clubs. Serial No. 631,314, Jan. 13. Class 23.

Seaboard Seed Company, Philadelphia, Pa. Lawn seed. Serial No. 624,361, Jan. 13. Class 1.

Sears, Roebuck and Co., Chicago, Ill. Bulldozers' hardware. Serial No. 614,102, Jan. 13. Class 13.

Sheldon, George, (Walsall) Limited, Walsall, Staffordshire, England. Dog collars and leashes, bridles, leather straps, etc. Serial No. 514,777, Jan. 13. Class 3.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 626,753, Jan. 13. Class 42.

Simons Company, The. Serial No. 604,275, Jan. 13. Class 52.

Simons Company, The, Chicago, Ill., now by change of name Simons Company. Tar solvent. Serial No. 604,275, Jan. 13. Class 52.

Simpson, S., Limited, London, England. Topcoats, overcoats, and raincoats. Serial No. 625,826, Jan. 13. Class 39.

Siris, A. J., Products Corp., New York, N. Y. Powder puffa. Serial No. 612,518, Jan. 13. Class 29.

Skalle, Charles F., Chicago, Ill. Artificial fish lures. Serial No. 615,140, Jan. 13. Class 22.

Sleepy Hollow Craftsmen, Inc., Cincinnati, Ohio. Services to commercial portrait photographers comprising printing, enlarging, coloring, etc. Serial No. 616,192, Jan. 13. Class 106.

Smetlako, Eugenia, (Smith): See—
(Smith), Eugenia Smetlako.

(Smith), Eugenia Smetlako, doing business as Theodore Geneck, Elmhurst, Ill. Perfume. Serial No. 625,302, Jan. 13. Class 51.

Smith, S., and Sons (England) Limited, London, England. Anti-freeze compounds. Serial No. 623,990, Jan. 13. Class 6.

Smith Victory Corporation, Buffalo, N. Y. Permanent wave kits. Serial No. 614,907, Jan. 13. Class 44.

Snia-Viscosa, Societa Nazionale Industria Applicazioni Viscosa, The, Milan, Italy. Yarn. Serial No. 572,815, Jan. 13. Class 43.

Snyder Chemical Corporation, Bethel, Conn. Liquid urea-formaldehyde resins. Serial No. 618,944, Jan. 13. Class 6.

Societe Anonyme Georges Lesieur & Ses Fils, Paris, France. Edible oils and fats. Serial No. 593,839, Jan. 13. Class 46.

South Pacific Canning Company, Long Beach, Calif. Canned cat food. Serial No. 632,227, Jan. 13. Class 46.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. Serial No. 628,967, Jan. 13. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. Serial No. 629,065, Jan. 13. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. Serial No. 634,925, Jan. 13. Class 22.

Speed Queen Corporation, Ripon, Wis. Laundry equipment. Serial No. 619,113, Jan. 13. Class 24.

Staley, A. E., Manufacturing Company, Decatur, Ill. Animal feeds. Serial No. 632,583, Jan. 13. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Starch. Serial No. 632,760, Jan. 13. Class 6.

Standard Fuel Engineering Company, Detroit, Mich. Gas and oil fired heat treating furnaces. Serial No. 597,049, Jan. 13. Class 34.

Stark Bro's Nurseries and Orchards Co., Louisiana, Mo. Fruit trees and plants. Serial No. 631,443, Jan. 13. Class 1.

Stevens, J. P., & Co., Inc., New York, N. Y. Sheets and pillow cases. Serial No. 631,322, Jan. 13. Class 42.

Storm Sash, Inc., Youngstown, Ohio. Wooden and metal storm windows and storm doors. Serial No. 615,505, Jan. 13. Class 12.

Stranes, H. B., Company: See—
Strauss, Herbert B.

Strauss, Herbert B., doing business as H. B. Strauss Company, New York, N. Y. Synthetic plastic fabrics. Serial No. 625,217, Jan. 13. Class 50.

Strawbridge & Clothier, Philadelphia, Pa. Television sets. Serial No. 592,951, Jan. 13. Class 21.

Summit Mills Corporation, New York, N. Y. Sport shirts. Serial No. 639,687, Jan. 13. Class 39.

Son Rubber Company, The, Barberton, Ohio. Rubber anger pads. Serial No. 631,445, Jan. 13. Class 37.

Swann, Herbert, New York, N. Y. Mufflers. Serial No. 630,171, Jan. 13. Class 38.

Tanner, Morris L., doing business as Tannerize Polish Co., Chicago, Ill. Liquid polish. Serial No. 623,290, Jan. 13. Class 4.

Tannerize Polish Co.: See—
Tanner, Morris L.

Tecumseh Products Company, Tecumseh, Mich. Refrigeration compressors, refrigeration condensing units, etc. Serial No. 625,699, Jan. 13. Class 31.

Textile Products Company: See—
Nissenbaum, Nathaniel H.

Thermo Window Co., Inc., Shrewsbury, Mass. Combination windows. Serial No. 621,923, Jan. 13. Class 12.

Troxler Hosiery Company: See—
Troxler-Lynch Hosiery Company.

Troxler-Lynch Hosiery Company, also doing business as Troxler Hosiery Company, Springfield, Ill. Women's and children's hosiery. Serial No. 626,060, Jan. 13. Class 39.

Tru-Pine Company, Chicago, Ill. Plastic spray protective coatings and aluminum paint enamels. Serial No. 619,553, Jan. 13. Class 10.

Tumble-Twist Mills, Inc., Easley, S. C. Woven twisted loop cotton and wool rugs. Serial No. 634,501, Jan. 13. Class 42.

Tylac Company, Monticello, Ill. Chalkboard. Serial No. 627,910, Jan. 13. Class 30.

Ultra Chemical Works Inc., Paterson, N. J. Soap solutions, detergent bases, and surface active materials. Serial No. 611,820, Jan. 13. Class 51.

Undertakers Supply Co., Chicago, Ill. Embalming fluid. Serial No. 632,336, Jan. 13. Class 8.

Union Carbide and Carbon Corporation, New York, N. Y. Organosilicon compositions. Serial No. 621,383, Jan. 13. Class 6.

Union Starch & Refining Co., Columbus, Ind. Table syrup. Serial No. 624,252, Jan. 13. Class 46.

United Glass Bottle Manufacturers Limited, The, London, England. Glass bottles. Serial No. 613,270, Jan. 13. Class 33.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 628,588, Jan. 13. Class 22.

United States Rubber Company, New York, N. Y. Cotton fabrics. Serial No. 634,716, Jan. 13. Class 42.

United States Steel Company: See—
American Steel and Wire Company of New Jersey, The.

United States Testing Co. Inc., Hoboken, N. J. Tintorial agent applied to textile fibers and fabrics. Serial No. 629,399, Jan. 13. Class 6.

Universal Atlas Cement Company, New York, N. Y. Hydraulic cement. Serial No. 627,021, Jan. 13. Class 12.

Usines Textiles Ganseman & de Myttenaere, Societe Anonyme, Renaix, Belgium. Fabrics. Serial No. 621,990, Jan. 13. Class 42.

Utility Products Co.: See—
Platka Export Co., Inc.

Van Cleef Bros., Inc., Chicago, Ill. Weatherstrip packing. Serial No. 601,002, Jan. 13. Class 12.

Van Cleef Bros., Inc., Chicago, Ill. Weatherstrip packing. Serial No. 601,004, Jan. 13. Class 12.

Variety Products: See—
Lokey, Robert R., Jr.

Vegetable Oil Products Company, Inc., Wilmington, Calif. Shortening. Serial Nos. 627,362-3, Jan. 13. Class 46.

Verdi, Inc., Chicago, Ill. After shave lotion. Serial No. 633,805, Jan. 13. Class 51.

Vindobona Importing Co.: See—
Zellinka, Hans.

Walker, Hiram, & Sons Inc., Detroit, Mich., and Peoria, Ill. Whiskey. Serial No. 631,617, Jan. 13. Class 49.

Walker, Russell C., Pittsburgh, Pa. Sarouk rugs. Serial No. 635,075, Jan. 13. Class 42.

Webster Block Company, Inc., Brentwood, Mo. Concrete building blocks. Serial No. 628,072, Jan. 13. Class 12.

Wechsler, Frederick L., doing business as Capuleta, New York, N. Y. Oils and misers' bats. Serial No. 630,246, Jan. 13. Class 39.

West Disinfecting Company, Long Island City, N. Y. Disinfectant and cleanser combined. Serial No. 625,147, Jan. 13. Class 52.

West Disinfecting Company, Long Island City, N. Y. Combined fluid cleanser, disinfectant, and deodorant. Serial No. 625,154, Jan. 13. Class 52.

Western Air Lines, Inc., Los Angeles, Calif. Transportation of passengers, freight, and mail by airplane. Serial No. 625,994, Jan. 13. Class 105.

Whitehall Pharmacal Company, New York, N. Y. Personal deodorant. Serial No. 631,230, Jan. 13. Class 51.

LIST OF TRADE-MARK APPLICANTS

Wolf, Jacques, & Co., Clifton, N. J. Homogeneous blend of amylolytic and proteolytic enzymes. Serial No. 619,907, Jan. 13. Class 6.

Wooster Kitchen Unit Co., New York and Brooklyn, N. Y. Wood product. Serial No. 621,188, Jan. 13. Class 12.

Wrought Iron Range Company, St. Louis, Mo. Domestic refrigerators and low temperature storage freezers. Serial No. 620,644, Jan. 13. Class 31.

Wrought Iron Range Company, St. Louis, Mo. Domestic refrigerators and low temperature storage freezers. Serial No. 620,649, Jan. 13. Class 31.

Wyeth Incorporated, Philadelphia, Pa. Vitamins B-complex with phenobarbital. Serial No. 631,707, Jan. 13. Class 18.

Yosemite Chemical Company, San Francisco, Calif. Rust remover and preventative. Serial No. 622,240, Jan. 13. Class 52.

Zekaria Bros., New York, N. Y. Embroidered knitted nylon cloth. Serial No. 625,841, Jan. 13. Class 42.

Zellinka, Hans, doing business under the firm and style of Vindobona Importing Co., New York, N. Y. Towels. Serial No. 607,908, Jan. 13. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Abel Corporation, The, Columbus, Ohio. Automobile seat covers. 569,042, Jan. 13; Serial No. 603,032, published Sept. 16, 1952. Class 19.

Ace Foods, Inc., The, Milwaukee, Wis. Box lunches. 568,977, Jan. 13; Serial No. 536,978, published Oct. 21, 1952. Class 46.

Acetex Bau, S. A., Madrid, Spain. Olive oil. 568,981, Jan. 13; Serial No. 561,705, published Sept. 23, 1952. Class 49.

Acme Peat Products Limited, Vancouver, British Columbia, Canada. Sphagnum moss for use as a fertilizer. 569,255, Jan. 13; Serial No. 629,924, published Oct. 21, 1952. Class 10.

Adams Corporation, Korn Karls Division, Beloit, Wis. Deep fried, cheese flavored potato and tapoca product. 569,045, Jan. 13; Serial No. 603,347, published Oct. 7, 1952. Class 46.

Adjustable Fixture Co., Milwaukee, Wis. Electric lamps. 569,314, Jan. 13; Serial No. 594,513. Class 21.

Air Facts, Inc., New York, N. Y. Periodical. 569,177, Jan. 13; Serial No. 623,447, published Oct. 14, 1952. Class 38.

Allied Products, Inglewood, Calif. Preparation for the relief of piles. 569,244, Jan. 13; Serial No. 628,085, published Oct. 28, 1952. Class 18.

Alma Products Company, San Francisco, Calif. Hair milk and scalp conditioner, a face cream, etc. 569,081, Jan. 13; Serial No. 612,232, published Oct. 14, 1952. Class 51.

Alwin Manufacturing Company, Green Bay, Wis. Mechanical dispensers. 569,129, Jan. 13; Serial No. 618,523, published Sept. 16, 1952. Class 23.

American Advertised Products, Incorporated, Chicago, Ill., to Parfums Corday, Inc., New York, N. Y. Shampoo. 299,447, renewed Dec. 6, 1952. O. G. Jan. 13. Class 52.

American Automobile Company, Seattle, Wash. Rebuilt automobile engines. 568,989, Jan. 13; Serial No. 573,699, published Sept. 16, 1952. Class 23.

American Bank Note Company, New York, N. Y. Imprints representing currency or value. 569,003, Jan. 13; Serial No. 585,623, published Oct. 7, 1952. Class 38.

American Bank Note Company, New York, N. Y. Imprints representing currency or value. 569,004, Jan. 13; Serial No. 585,625, published Oct. 7, 1952. Class 38.

American Cyanamid Company, New York, N. Y. Anticonvulsant. 569,152, Jan. 13; Serial No. 621,493, published Sept. 30, 1952. Class 18.

American Cyanamid Company, New York, N. Y. Explosive. 569,225, Jan. 13; Serial No. 626,774, published Oct. 14, 1952. Class 9.

American Cyanamid Company, New York, N. Y. Antimalarial preparation. 569,263, Jan. 13; Serial No. 633,646, published Oct. 28, 1952. Class 18.

American Home Products Corporation, assignee: See—
Imperial Chemical (Pharmaceuticals) Limited.

American Stores Company, Philadelphia, Pa. Carcass beef and lamb. 569,043-4, Jan. 13; Serial Nos. 603,144-5, published Sept. 23, 1952. Class 46.

Amicale Yarns, Inc., New York, N. Y. One hundred percent wool yarn; and yarn composed of wool and synthetic fibres. 568,995, Jan. 13; Serial No. 581,234, published Oct. 21, 1952. Class 43.

Apt Shoe Mfg. Co., Boston, Mass. Women's shoes. 569,217, Jan. 13; Serial No. 626,288, published Oct. 21, 1952. Class 39.

Armstrong-Hibbets & Co., Inc., Clovis, N. Mex. Ladies' and misses' hosiery. 569,126, Jan. 13; Serial No. 618,226, published Oct. 21, 1952. Class 39.

Armstrong Packing Company, Dallas, Tex., assignor to Armstrong Refining Company, to Swift & Company, Chicago, Ill. Compound of pure lard, edible beef fat, and cotton-seed oil. 87,404, re-renewed July 16, 1952. O. G. Jan. 13. Class 46.

Armstrong Refining Company, assignee: See—
Armstrong Packing Company.

Aronson, Chester C., Jr., St. Paul, Minn. Providing by telephone the names and locations of dealers, agents, etc. 569,345, Jan. 13; Serial No. 542,503. Class 101.

Associated Merchandising Corporation, The, New York, N. Y. Men's shoes. 569,159, Jan. 13; Serial No. 622,192, published Oct. 21, 1952. Class 39.

Atlantic Laboratories: See—
Wiggins, E. R.

Atlas Powder Company, Wilmington, Del. Food emulsifiers. 569,039, Jan. 13; Serial No. 600,715, published Oct. 7, 1952. Class 46.

Atlas Powder Company, Wilmington, Del. Adsorptive carbons. 569,070, Jan. 13; Serial No. 610,406, published Oct. 28, 1952. Class 6.

Baldwin Corporation, The: See—
Judge & Dolph Pharmaceutical Company.

Balfour, Guthrie & Co., Limited, San Francisco, Calif. Flarecrackers. 569,146, Jan. 13; Serial No. 620,950, published Oct. 21, 1952. Class 9.

Ballantyne of Peebles, Incorporated, New York, N. Y. Sweaters and hosiery. 569,127, Jan. 13; Serial No. 618,336, published Oct. 21, 1952. Class 39.

Baray Pharmacal Corporation, Brooklyn, N. Y. Tablets for making medicinal mouth wash solution. 569,082, Jan. 13; Serial No. 612,295, published Sept. 30, 1952. Class 18.

Barrows, Edward F., doing business as Basic Remedies, Monmouth, Oreg. Bottled fluid preparation for stimulating the appetite. 569,145, Jan. 13; Serial No. 620,659, published Oct. 28, 1952. Class 18.

Barry, Donald, Productions, Inc., Los Angeles, Calif. Pamphlets and booklets. 569,120, Jan. 13; Serial No. 617,856, published Oct. 14, 1952. Class 38.

Basic Remedies: See—
Barrows, Edward F.

Batkin, Fred, Jr., doing business as Smith Mountain Ranch, Dinuba, Calif. Fresh deciduous fruits and fresh grapes. 569,157, Jan. 13; Serial No. 622,063, published Sept. 23, 1952. Class 46.

Battle Creek Food Company, The, Battle Creek, Mich. Soy bean flour, Kaffir tea, self-rising gluten flour, etc. 569,066, Jan. 13; Serial No. 610,000, published Sept. 23, 1952. Class 46.

Baur, O. P., Confectionery Company, The, Denver, Colo. Candies. 569,309, Jan. 13; Serial No. 576,897. Class 46.

Beautifilly Precut Structures Company: See—
Williams, James T.

Beck, A. S., Shoe Corporation, New York, N. Y. Boots, shoes, and slippers. 303,684, June 6, 1933. Republished Jan. 13. Class 39.

Beck, A. S., Shoe Corporation, New York, N. Y. Hosiery. 358,670, July 19, 1938. Republished Jan. 13. Class 39.

Beck, A. S., Shoe Corporation, New York, N. Y. Men's and women's shoes and slippers. 362,282, Nov. 15, 1938. Republished Jan. 13. Class 39.

Beck, A. S., Shoe Corporation, New York, N. Y. Men's and women's shoes and slippers. 399,711, Jan. 26, 1943. Republished Jan. 13. Class 39.

Benrus Watch Company, Inc., New York, N. Y. Watches. 569,190, Jan. 13; Serial No. 624,811, published July 1, 1952. Class 27.

Berger, John, doing business under the trade name and style of Red Seal Bird Food Co., Flushing, N. Y. Bird food. 569,058, Jan. 13; Serial No. 607,479, published Oct. 21, 1952. Class 46.

Bernad Creations, Ltd., Mount Vernon, N. Y. Drinking glasses. 569,102, Jan. 13; Serial No. 616,621, published Sept. 23, 1952. Class 33.

Berat, C. J., & Co., Appleton, Wis. Cheese. 569,041, Jan. 13; Serial No. 602,997, published Oct. 21, 1952. Class 46.

Best Foods, Inc., The: See—
Fanning Bread and Butter Pickle Company, Inc.

Bestaste Products Company: See—
Pierl, John J.

Beverly Manufacturing Company, Milwaukee, Wis. Cellophane sheets for application to the inside surface of automobile windows. 569,323, Jan. 13; Serial No. 610,735. Class 19.

Blensang Paper Company, Inc., Metuchen, N. J. Artists' paper canvas. 569,337, Jan. 13; Serial No. 618,020. Class 37.

Blackburn Bottling Co., Rockford, Ill. Carbonated, maltless, soft drinks. 568,984-5, Jan. 13; Serial Nos. 567,751-2, published Nov. 6, 1951. Class 45.

Bolls, C. N., Insect Extermination, Corpus Christi, Tex. Insecticide. 569,273, Jan. 13; Serial No. 620,719. Class 6.

Borchardt Fuel Co., Highland Park, Ill. Fertilizer. 569,018, Jan. 13; Serial No. 594,618, published Oct. 21, 1952. Class 10.

Bourjois, Inc., New York, N. Y. Aromatized sachet packets. 569,065, Jan. 13; Serial No. 609,531, published Oct. 14, 1952. Class 51.

LIST OF REGISTRANTS OF TRADE-MARKS

- Bragg, Paul C., doing business as O. K.-Lax Mfg. Co., Los Angeles, assignor to Live Food Products, Inc., to Live Food Products Co., Burbank, Calif. Herb laxative. 297,877, renewed Oct. 4, 1952. O. G. Jan. 13. Class 18.
- Bready Tractor and Implement Company, The, Solon, Ohio. Hand-operable, motor-driven snow plow. 569,174, Jan. 13; Serial No. 623,332, published Sept. 30, 1952. Class 23.
- Brinsfield, J. Franklin H., trading as A. B. Harris & Company, Oxford, Md. Fresh oysters and fresh crab meat. 569,048, Jan. 13; Serial No. 604,117, published Oct. 21, 1952. Class 46.
- Brown & Ackerman, Inc., New York, N. Y. Cotton broad-cloth fabrics. 569,033, Jan. 13; Serial No. 601,193, published Oct. 21, 1952. Class 42.
- Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. 300,817, renewed Feb. 7, 1953. O. G. Jan. 13. Class 17.
- Buell, Darluis D., doing business under the name Buell Farm, Elmira, Mich. Farm produce. 569,087, Jan. 13; Serial No. 613,437, published Oct. 21, 1952. Class 46.
- Buell Farm: See—
Buell, Darluis D.
- Bullseye Corporation, The, Woodbridge, Conn. Liquid preparations for combined cleaning and polishing of automobiles and furniture. 569,029, Jan. 13; Serial No. 600,017, published Oct. 14, 1952. Class 4.
- Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 569,135, Jan. 13; Serial No. 619,333, published Oct. 21, 1952. Class 39.
- Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 569,171, Jan. 13; Serial No. 623,235, published Sept. 30, 1952. Class 39.
- Burnham & Morrill Company, Portland, Maine. Canned baked beans. 569,001, Jan. 13; Serial No. 614,166, published Oct. 21, 1952. Class 46.
- Burrroughs Wellcome & Co. (U. S. A.) Inc., New York, to Burrroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Dietary material used for modifying milk. 297,324, renewed Sept. 20, 1952. O. G. Jan. 13. Class 48.
- Burrroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Medicinal preparation. 569,259, Jan. 13; Serial No. 631,339, published Oct. 21, 1952. Class 18.
- Horton-Dixie Corporation: See—
Horton-Dixie Corporation, Inc.
- Bussmann Manufacturing Company: See—
McGraw Electric Company, The.
- Buttelle Corporation, The, Pittsburgh, Pa. Liquid for use in tobacco lighters. 569,339, Jan. 13; Serial No. 618,133, Class 6.
- Cabell, William D., Chappaqua, N. Y. Publication. 569,196, Jan. 13; Serial No. 625,330, published Sept. 30, 1952. Class 38.
- Cadwallader Pacific Company, Los Angeles, Calif. Rattan chairs, sofas, tables, etc. 569,061, Jan. 13; Serial No. 607,791, published Oct. 14, 1952. Class 32.
- Calodent Company, Inc., New York, N. Y., by Polaris Company, Inc., Jersey City, N. J. Toothbrushes. 270,061, May 20, 1930. Republished Jan. 13. Class 29.
- Candy Crafters, Inc., Lansdowne, Pa. Candy. 569,133, Jan. 13; Serial No. 619,382, published Oct. 21, 1952. Class 46.
- Capital City Products Company, The, Columbus, Ohio. Pure cottonseed oil. 568,979, Jan. 13; Serial No. 542,814, published Oct. 21, 1952. Class 46.
- Cappelletto, Frank, Schenectady, N. Y. Cheese. 569,137, Jan. 13; Serial No. 619,737, published Oct. 7, 1952. Class 48.
- Carafiol, Alex, Inc., St. Louis, Mo. Women's, misses', and junior misses' dresses, frocks and blouses. 538,184, Apr. 29, 1952. Amended. O. G. Jan. 13. Class 39.
- Carrick, G. W. Co., Newark, N. J. Preparation of a steroid. 569,156, Jan. 13; Serial No. 621,942, published Sept. 30, 1952. Class 18.
- Cascades Plywood Corporation, Portland, Ore. "Hard-board." 569,175, Jan. 13; Serial No. 623,336, published Oct. 14, 1952. Class 12.
- Chenille Rug Company, Minneapolis, Minn. Woven rugs. 569,292, Jan. 13; Serial No. 627,381, Class 42.
- Chicago Sanitary Products Company, Chicago, Ill. Self-polishing wax. 569,278, Jan. 13; Serial No. 621,002, Class 4.
- Childhood Interests, Inc., Roselle Park, N. J. Hand-manipulation toy. 569,300, Jan. 13; Serial No. 631,912, Class 22.
- Chocolate Products Company, Chicago, Ill. Preparation of cocoa, sugar, salt, and an emulsifier for making a food beverage. 569,333, Jan. 13; Serial No. 613,690, Class 46.
- Church, John, Company, The, Cincinnati, Ohio, to Everett Plano Company, South Haven, Mich. Planos. 89,925, re-renewed Jan. 21, 1953. O. G. Jan. 13. Class 36.
- Clag Aktiengesellschaft, Schaffhausen, Switzerland. Antianemic preparation. 568,988, Jan. 13; Serial No. 582,274, published Sept. 30, 1952. Class 18.
- Coastal Laboratories, Inc., Miami, Fla. Sulphur compound. 569,155, Jan. 13; Serial No. 621,867, published Oct. 28, 1952. Class 18.
- Coblin, Meyer, assignee: See—
Simplifold Manufacturing Co., Inc.
- Cochler, Henry, Co., Inc., New York, N. Y. Ladies' and men's wrist watches, pocket watches, and household clocks, etc. 569,210, Jan. 13; Serial No. 626,150, published Sept. 30, 1952. Class 27.
- Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 302,078, renewed Mar. 28, 1953. O. G. Jan. 13. Class 32.
- Colgate-Palmolive-Peet Company, Jersey City, N. J. Suds-ing cleaner, cleanser, and detergent. 569,071, Jan. 13; Serial No. 610,411, published Oct. 21, 1952. Class 32.
- Colony Broadcasting Corporation, The, New Haven, Conn. Periodicals. 569,172, Jan. 13; Serial No. 623,238, published Oct. 14, 1952. Class 38.
- Colorado Fuel and Iron Company, The, to The Colorado Fuel and Iron Corporation, Denver, Colo. Staples, including fence staples, poultry netting staples, etc. 301,600, renewed Mar. 7, 1953. O. G. Jan. 13. Class 13.
- Colorado Fuel and Iron Corporation, The: See—
Colorado Fuel and Iron Company, The.
- Columbia River Packers Association, Inc., Astoria, Ore. Canned abad. 569,228-9, Jan. 13; Serial No. 620,980-1, published Oct. 21, 1952. Class 46.
- Columbus Coated Fabrics Corporation, Columbus, Ohio. Oilcloth. 569,085, Jan. 13; Serial No. 612,791, published Oct. 7, 1952. Class 20.
- Comptoir de l'Industrie Cotonnière, Société à Responsabilité Limitée, Paris, France. Ladies' stockings. 569,038, Jan. 13; Serial No. 602,021, published Oct. 21, 1952. Class 39.
- Cook & Cobb Company, The, Brooklyn, to The Cooke & Cobb Company, New York, N. Y. Expanding files, expanding envelopes, file pockets, etc. 302,027, renewed Mar. 21, 1953. O. G. Jan. 13. Class 37.
- Corcoran, Joseph F., Shoe Co., Inc.: See—
Crossett, Lewis A.
- Courtshire Fashions, Inc., New York, N. Y. Ladies' coats and suits. 569,189, Jan. 13; Serial No. 625,717, published Oct. 21, 1952. Class 39.
- Creamery Package Mfg. Company, The, Chicago, Ill. Dairy products processing equipment. 568,976, Jan. 13; Serial No. 527,883, published Oct. 21, 1952. Class 2.
- Crigler, Robert L., Covington, to The Foster Trading Corporation, Louisville, Ky. Whisky. 302,118, renewed Mar. 28, 1953. O. G. Jan. 13. Class 49.
- Cro-Cord Rubber Company, Lima, Ohio. Shoe soles. 569,062, Jan. 13; Serial No. 608,207, published Oct. 21, 1952. Class 39.
- Crossett, Lewis A., North Abington, to Joseph F. Corcoran Shoe Co., Inc., Stoughton, Mass. Leather boots and shoes. 39,060, re-renewed Oct. 21, 1952. O. G. Jan. 13. Class 39.
- Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Tool-steel. 39,792, re-renewed Feb. 10, 1953. O. G. Jan. 13. Class 14.
- Crucible Steel Company of America: See—
Halcob Steel Company.
- Crutcher-Rolls-Cummings, Inc., Houston, Tex. Pipe coating and wrapping machines, bending machines, cleaning machines, etc. 569,020, Jan. 13; Serial No. 596,393, published Oct. 7, 1952. Class 23.
- Cuassina and Fearn Company, The, Columbus, Ohio. Roof cement, furnace cement, caulking compounds, etc. 569,303, Jan. 13; Serial No. 532,581. Class 12.
- Custom Hydrocraft: See—
Szakacs, Joseph J.
- Dalton Film Company, Tulsa, Okla. Leasing of motion picture film. 569,268, Jan. 13; Serial No. 616,059, published Oct. 21, 1952. Class 107.
- Daniger Oil & Refining Company, assignor to Southern Production Company, Inc., Fort Worth, Tex. Organic solvent. 568,998, Jan. 13; Serial No. 581,798, published Oct. 28, 1952. Class 6.
- David Shoe Company: See—
Glick, Morris.
- Davila, M. M. & Son, Incorporated, Solomons, Md. In-board powered cruisers. 569,316, Jan. 13; Serial No. 597,068. Class 19.
- Davison Chemical Corporation, The, Baltimore, Md. Catalyst. 569,140, Jan. 13; Serial No. 620,024, published Oct. 21, 1952. Class 8.
- De Land, C. M., New York, N. Y. Textile goods. 569,060, Jan. 13; Serial No. 607,739, published Oct. 21, 1952. Class 42.
- De Leon Peanut Company, De Leon, Tex. Shelled peanuts. 300,391, renewed Jan. 17, 1953. O. G. Jan. 13. Class 46.
- Denver Chemical Manufacturing Company, The, New York, N. Y. Sulphurated ointment. 569,163, Jan. 13; Serial No. 622,483, published Oct. 28, 1952. Class 18.
- Desbergers Limited: See—
La Compagnie Pharmaceutique Desbergers.
- Dickey, William W., doing business under the trade name and style of Dickey's Potato Chip Co., New Orleans, La. Food products. 569,086, Jan. 13; Serial No. 613,053, published Oct. 21, 1952. Class 40.
- Dickey's Potato Chip Co.: See—
Dickey, William W.
- Dixie Advertisers, Jackson, Miss. Fresh apples. 569,116, Jan. 13; Serial No. 617,651, published Oct. 14, 1952. Class 46.

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- Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' wearing apparel. 569,274, Jan. 13; Serial No. 620,840. Class 39.
- Du Bois Co., Inc., The, assignee: See—
Du Bois Company, The.
- Du Bois Company, The, Cincinnati, Ohio, assignor to The Du Bois Co., Inc. Phosphatizing paint-preparatory wash. 569,092, Jan. 13; Serial No. 614,244, published Oct. 14, 1952. Class 52.
- Duluth Universal Milling Company, Duluth, Minn. Wheat flour. 569,059, Jan. 13; Serial No. 607,604, published June 3, 1952. Class 40.
- Eaton, A. N., doing business as Eaton Metal Products Company, Omaha, Nebr., Denver, Colo., and Billings, Mont., to Eaton Metal Products Corporation, Omaha, Nebr. Grain bins, sheep and hog troughs, storage and stock tanks, etc. 295,330, renewed June 28, 1952. O. G. Jan. 13. Class 2.
- Eaton Metal Products Company: See—
Eaton, A. N.
- Eaton Metal Products Corporation: See—
Eaton, A. N.
- Ed. Rozes, Guy & Yves Rozes Successeurs (Société à Responsabilité Limitée), Bordeaux Gironde, France. Vermouth. 569,275, Jan. 13; Serial No. 620,842. Class 47.
- Edelson & Sons, Inc., Philadelphia, Pa., and New York, N. Y. Women's coats and suits. 569,193, Jan. 13; Serial No. 625,062, published Oct. 21, 1952. Class 39.
- Edwards, J., & Co., Inc., Philadelphia, Pa. Children's, misses', and ladies' shoes. 299,941, renewed Jan. 3, 1953. O. G. Jan. 13. Class 39.
- Empire Twine & Yarn Co., Inc., New York, N. Y. Twine and cordage. 301,215, renewed Feb. 21, 1953. O. G. Jan. 13. Class 7.
- Enro Shirt Company, Inc., The, Louisville, Ky. Pajamas. 301,431, renewed Feb. 28, 1953. O. G. Jan. 13. Class 39.
- Esmond, Gundlach and Company: See—
Kerr Ice Cream Company, The.
- Everett Piano Company: See—
Church, John, Company, The.
- Eversharp, Inc.: See—
Wahl Company, The.
- Faber, A. W., Inc., to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Rulers, calculating rules, squares, etc. 301,098-9, renewed Mar. 14, 1953. O. G. Jan. 13. Class 26.
- Faber-Castell, A. W., Pencil Co., Inc.: See—
Faber, A. W., Inc.
- Fabrique de Chocolat et de Produits Alimentaires de Villars, Société Anonyme, Fribourg, Switzerland. Candy. 569,158, Jan. 13; Serial No. 622,153, published Oct. 14, 1952. Class 46.
- Fairchild Sewing Machine Co.: See—
Southwestern Sewing Equipment Corporation.
- Fanning Bread and Butter Pickle Company, Inc., to The Best Foods, Inc., New York, N. Y. Pickles. 300,737, renewed Feb. 7, 1953. O. G. Jan. 13. Class 46.
- Farles Manufacturing Company, Decatur, Ill. Medicine cabinets of the recessed type for wall insertion. 568,999, Jan. 13; Serial No. 583,685, published Oct. 28, 1952. Class 12.
- Farmers Feed Company, New York, N. Y. Dried brewers grains. 569,037, Jan. 13; Serial No. 601,986, published Oct. 21, 1952. Class 40.
- Federated Department Stores, Inc., Cincinnati, Ohio. China and earthenware plates, saucers, cups, etc. 569,191, Jan. 13; Serial No. 624,823, published Sept. 30, 1952. Class 30.
- Feed Service Corporation, Crete, Nebr. Animal feeds. 569,141, Jan. 13; Serial No. 620,096, published Oct. 21, 1952. Class 46.
- Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. 569,111-14, Jan. 13; Serial Nos. 617,606-9, published Oct. 7, 1952. Class 51.
- Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 569,115, Jan. 13; Serial No. 617,614, published Oct. 21, 1952. Class 52.
- Flaunt, John, Shoe Co., Inc., Lynn, Mass. Men's and women's shoes, sandals, and slippers. 569,192, Jan. 13; Serial No. 624,881, published Oct. 21, 1952. Class 39.
- Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing gum. 297,859, renewed Oct. 4, 1952. O. G. Jan. 13. Class 40.
- Fleet, C. B., Company, Incorporated, Lynchburg, Va. Preparation of amino acids, minerals and vitamins. 569,200, Jan. 13; Serial No. 631,731, published Oct. 21, 1952. Class 18.
- Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes and smoking tobacco. 569,075, Jan. 13; Serial No. 611,068, published Oct. 7, 1952. Class 17.
- Flex-O-Glass, Inc., doing business as Warp Brothers, Chicago, Ill. Laminated, flexible, metallic-netting-reinforced building paper. 569,098, Jan. 13; Serial No. 615,379, published Oct. 28, 1952. Class 12.
- Flintkote Company, The, New York, N. Y. Bituminous paper sizing composition. 569,253, Jan. 13; Serial No. 620,066, published Oct. 28, 1952. Class 6.
- Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 569,136, Jan. 13; Serial No. 619,617, published June 10, 1952. Class 42.
- Foster Trading Corporation, The: See—
Crigler, Robert L.
- Fountain Hill Underwear Mills, Bethlehem, Pa. Women's underwear. 569,238, Jan. 13; Serial No. 627,740, published Oct. 21, 1952. Class 39.
- Fonta, J. Ralph, Pittsburgh, Pa. Linings for brake shoes and brake bands. 420,712, Apr. 30, 1946. Republished Jan. 13. Class 35.
- Fraternel Order of Police, Philadelphia, Pa. Publication. 568,983, Jan. 13; Serial No. 567,254, published Oct. 14, 1952. Class 38.
- Fry Brothers Co., The, Cincinnati, Ohio. Dry cleaning detergent. 569,068, Jan. 13; Serial No. 610,009, published Oct. 21, 1952. Class 52.
- Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 569,257, Jan. 13; Serial No. 631,002, published Oct. 21, 1952. Class 42.
- Gabriele Co., Inc., New York, N. Y., to Gabriele Co., Inc., Chicago, Ill. Permanent waving lotion. 298,228, renewed Oct. 18, 1952. O. G. Jan. 13. Class 51.
- Galter Products Company, Chicago, Ill. Electric razors. 569,013, Jan. 13; Serial No. 591,079, published Sept. 30, 1952. Class 23.
- Garrett & Co., Norfolk, Va., to Garrett & Company, Inc., Brooklyn, N. Y. Wine. 88,670, re-renewed Oct. 13, 1952. O. G. Jan. 13. Class 47.
- Garrett & Company, Inc.: See—
Garrett & Co.
- Gerlach, E. A., Company, Inc., Eddington, Pa. Cleanser. 568,992, Jan. 13; Serial No. 578,591, published Oct. 21, 1952. Class 52.
- Geta Exterminators, Inc., St. Louis, Mo. Preparations for exterminating insects. 298,237, renewed Oct. 18, 1952. O. G. Jan. 13. Class 8.
- Glelow, J. J., & Sons, Inc., Detroit, Mich. Pickles. 569,001, Jan. 13; Serial No. 584,194, published Oct. 7, 1952. Class 46.
- Gilman Brothers Company, The, Gilman, Conn. Fibrous cotton heat and sound insulating material. 569,318, Jan. 13; Serial No. 600,661. Class 12.
- Girl Scouts of the United States of America, New York, N. Y. Girls' outer shirts and head scarves. 569,073, Jan. 13; Serial No. 610,683, published Oct. 21, 1952. Class 39.
- Gladding, McBean & Co., Los Angeles, Calif. Ceramic floor and wall tile. 569,014, Jan. 13; Serial No. 591,587, published Oct. 28, 1952. Class 12.
- Glick, Morris, trading under the name David Shoe Company, Philadelphia, Pa. Boys' and girls' shoes. 569,178, Jan. 13; Serial No. 623,458, published Oct. 21, 1952. Class 39.
- Globe Automatic Sprinkler Company, Philadelphia, Pa. Water motors and portable hand fire extinguishers. 301,670, renewed Mar. 7, 1953. O. G. Jan. 13. Class 23.
- Godman, H. C., Company, The, Columbus, Ohio. Shoes. 568,986, Jan. 13; Serial No. 567,778, published Oct. 21, 1952. Class 39.
- Goff, William H., doing business as Old-North Manufacturing Co., Lenoir, N. C. Concrete curing compound. 569,296, Jan. 13; Serial No. 629,016. Class 6.
- Goldberg, Benjamin D., doing business as Hide-A-Can Co., Brooklyn, N. Y. Cabinet door operated refuse cans. 569,006, Jan. 13; Serial No. 586,860, published Oct. 21, 1952. Class 2.
- Goldberg, S., & Co. Inc., Hackensack, N. J. House slippers. 569,215, Jan. 13; Serial No. 626,241, published Oct. 21, 1952. Class 39.
- Golden Rich Foods, Inc., Joliet, Ill. Toasted macaroni. 569,234, Jan. 13; Serial No. 627,386, published Oct. 21, 1952. Class 48.
- Goon, Wallace L.: See—
Sea Hunter Mfg. Co.
- Gossard, H. W., Co., The, Chicago, Ill. Branslettes. 569,118, Jan. 13; Serial No. 617,754, published Oct. 21, 1952. Class 39.
- Gravmister Company, Inc., Long Island City, N. Y. Concentrated vegetable preparation. 569,211, Jan. 13; Serial No. 628,162, published Oct. 21, 1952. Class 46.
- Great Atlantic and Pacific Tea Company, The, New York, N. Y. Candy. 569,212, Jan. 13; Serial No. 626,163, published Oct. 21, 1952. Class 46.
- Green Ball Bearing Co., The, Cleveland, Ohio. Ball and roller bearings. 569,315, Jan. 13; Serial No. 595,540. Class 23.
- Greene, E., & Company: See—
Greene, Edward.
- Greene, E., and Company: See—
Greene, Edward.
- Greene, Edward, doing business as E. Greene & Company, Newark, to E. Greene and Company, Orange, N. J. Printed paper caution signals. 294,987, renewed Aug. 30, 1952. O. G. Jan. 13. Class 37.
- Gregory Fount-O-Ink Co.: See—
Gregory Fount-O-Ink Company.
- Gregory Fount-O-Ink Company, Los Angeles, Calif., assignee of Gregory Fount-O-Ink Co. Nib points for dip pens. 569,302, Jan. 13; Serial No. 524,456. Class 37.
- Griggs, Cooper & Company, St. Paul, Minn. Canned vegetables, canned fruits, canned seafoods, etc. 569,016, Jan. 13; Serial No. 592,486, published Mar. 25, 1952. Class 46.
- Griggs, Cooper & Company, St. Paul, Minn. Olives, fruit preserves, jams, etc. 569,130, Jan. 13; Serial No. 618,963, published Oct. 7, 1952. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

- Guardite Corporation: See—
Guardite Corporation, The.
Guardite Corporation, The, to Guardite Corporation, Chicago, Ill. Gaseous fumigating material. 301,971, renewed Mar. 21, 1953. O. G. Jan. 13. Class 8.
Gundlach, G. P., & Co., Inc.: See—
Kerr Ice Cream Company, The.
Gundlach, George P., assignee: See—
Kerr Ice Cream Company, The.
Guth, Burward O., Elmwood Park, Ill. Receptacles such as flasks, bottles, tumblers, etc. 569,301, Jan. 13; Serial No. 498,765. Class 33.
Halcorn Steel Company, Geddes, Syracuse, to Crucible Steel Company of America, New York, N. Y. Steel. 300,970, renewed Feb. 14, 1953. O. G. Jan. 13. Class 14.
Hall, Haas & Vexsey, Ltd., Los Angeles, Calif. Fresh citrus fruits, fresh vegetables, and grapes. 569,198, Jan. 13; Serial No. 625,419, published Sept. 23, 1952. Class 46.
Hanford, G. C., Mfg. Company, Syracuse, N. Y. Antiseptic dressing. 298,620, renewed Nov. 1, 1952. O. G. Jan. 13. Class 18.
Hansche Produce Company, Racine, Wis. Potatoes and onions. 569,080, Jan. 13; Serial No. 612,166, published Oct. 7, 1952. Class 46.
Happy Felton Products, Inc., New York, N. Y. Entertainment services. 569,267, Jan. 13; Serial No. 615,638, published Oct. 21, 1952. Class 107.
Harris, A. B., & Company: See—
Brinsfield, J. Franklin H.
Hart-Fargo Industries, Inc., St. Paul, Minn. Kits from which electric clocks may be assembled. 569,311, Jan. 13; Serial No. 588,438. Class 27.
Heathcoat, John, & Co., Inc.: See—
Heathcoat, John, & Co.
Heathcoat, John, & Co., Tiverton and London, England, to John Heathcoat & Co., Inc., New York, N. Y. Nets and veillings. 89,747, re-renewed Jan. 7, 1953. O. G. Jan. 13. Class 42.
Hecht & Hiern Inc., New York, N. Y. Knitted and woven wearing apparel. 569,216, Jan. 13; Serial No. 626,247, published Oct. 21, 1952. Class 39.
Henry Bath Tub Protector Company: See—
Henry, Robert E.
Henry, Robert E., trading as Henry Bath Tub Protector Company, Pittsburgh, Pa. Protective sheets of paper. 569,340, Jan. 13; Serial No. 618,165. Class 37.
Herbat Shoe Manufacturing Company, Milwaukee, Wis. Children's shoes. 569,056, Jan. 13; Serial No. 606,657, published Oct. 21, 1952. Class 39.
Hercules Powder Company, Wilmington, Del. Deplating compound. 300,288, renewed Jan. 10, 1953. O. G. Jan. 13. Class 51.
Heublein, G. F., & Bro., Inc., Hartford, Conn. Vodka. 569,269, Jan. 13; Serial No. 618,854. Class 49.
Heublein, G. F., & Bro., Inc., Hartford, Conn. Vodka. 569,343, Jan. 13; Serial No. 618,853. Class 49.
Heyman Company Inc., The, New Orleans, La. Ropes and twines. 569,230, Jan. 13; Serial No. 626,992, published Oct. 21, 1952. Class 7.
Hide-A-Can Co.: See—
Goldberg, Benjamin D.
Hills Brothers Company, The, New York, N. Y. Baked apples, cherries, citron, etc. 569,096-7, Jan. 13; Serial No. 615,064-5, published Oct. 21, 1952. Class 46.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor polish. 299,270, renewed Nov. 29, 1952. O. G. Jan. 13. Class 4.
Holland Color and Chemical Company, Holland, Mich. Chemical colors. 569,261, Jan. 13; Serial No. 631,737, published Oct. 28, 1952. Class 6.
Hope and Anchor Breweries Limited, Sheffield, England. Mead ale. 569,331, Jan. 13; Serial No. 613,901. Class 48.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Staple-setting hammers and tackers. 569,308, Jan. 13; Serial No. 575,529. Class 23.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 300,161, renewed Jan. 10, 1953. O. G. Jan. 13. Class 51.
Houbigant, Inc., New York, N. Y. Perfumes, toilet water, face powder, etc. 300,997, renewed Feb. 14, 1953. O. G. Jan. 13. Class 51.
Hudson Motor Car Company, Detroit, Mich. Automobile bodies. 569,649, Jan. 13; Serial No. 604,367, published Sept. 16, 1952. Class 19.
Imperial Chemical (Pharmaceuticals) Limited, Millbank, London, England, assignor to American Home Products Corporation, New York, N. Y. Anticonvulsants. 569,143, Jan. 13; Serial No. 620,216, published Oct. 28, 1952. Class 18.
Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Automatic self-bucking riveter. 569,106, Jan. 13; Serial No. 617,442, published Sept. 16, 1952. Class 23.
Inglehoffer Foods Inc., Pasadena, Calif. German style mustard. 569,179, Jan. 13; Serial No. 623,513, published Sept. 23, 1952. Class 46.
International Granite & Marble Corp., New York, N. Y. Quarried granite, marble, onyx, etc. 569,124, Jan. 13; Serial No. 618,168, published Oct. 14, 1952. Class 12.
International Harvester Company, Chicago, Ill. Refrigeration packaging products. 568,997, Jan. 13; Serial No. 581,958, published Oct. 21, 1952. Class 2.
International Paint Company, Inc., New York, N. Y. Paint brushes. 569,248-50, Jan. 13; Serial Nos. 628,628-30, published Oct. 21, 1952. Class 20.
Irving-Cloud Publishing Company, The, Chicago, Ill. Periodical publication section. 569,128, Jan. 13; Serial No. 618,432, published Oct. 14, 1952. Class 38.
Jabes Cliff & Company Limited, Walsall, England. Saddlery. 298,242, renewed Oct. 18, 1952. O. G. Jan. 13. Class 3.
Judge & Dolph Pharmaceutical Company, St. Louis, Mo., by The Baldwin Corporation, Jersey City, N. J. Diuretic and genito-urinary germicide. 34,988, July 31, 1950. Republished Jan. 13. Class 18.
Kamkap, Inc., New York, N. Y. Toy telephone switchboard. 569,287, Jan. 13; Serial No. 624,835. Class 22.
Kaylene, Limited, London, England. Medicinal preparations. 297,805, renewed Oct. 4, 1952. O. G. Jan. 13. Class 18.
Kennametal Inc., Latrobe, Pa. Carbide cutting tools. 569,164, Jan. 13; Serial No. 622,601, published Sept. 16, 1952. Class 23.
Kentile, Inc., Brooklyn, N. Y. Merchandising display and storage cabinet. 569,131, Jan. 13; Serial No. 619,087, published Oct. 14, 1952. Class 32.
Kerr Ice Cream Company, The, assignor to George P. Gundlach, doing business as Esmond, Gundlach and Company, by G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Ice cream. 389,798, Aug. 19, 1941. Republished Jan. 13. Class 46.
Kitty Lane Blouse Co., Inc., New York, N. Y. Ladies' misses' and girls' sportswear. 569,197, Jan. 13; Serial No. 623,356, published Oct. 21, 1952. Class 39.
Klauser Manufacturing Company, Dubuque, Iowa. Stamped metal ceilings, metal roofings, and eave troughs, etc. 569,015, Jan. 13; Serial No. 592,873, published Oct. 28, 1952. Class 12.
Klein, Samuel, Newark, N. J. Wafer or biscuit-type bread product. 569,286, Jan. 13; Serial No. 624,491. Class 46.
Knoll Associates, Inc., New York, N. Y. Articles of furniture. 569,109, Jan. 13; Serial No. 617,502, published Oct. 28, 1952. Class 32.
Knudsen Creamery Co. of California, Los Angeles, Calif. Dairy products. 569,076, Jan. 13; Serial No. 611,434, published Sept. 23, 1952. Class 46.
Koester, E. H., Bakery Company, The, Baltimore, Md. Bakery goods. 569,089-90, Jan. 13; Serial No. 613,920-1, published Sept. 23, 1952. Class 46.
Knap Lumber Industries, Medford, Oreg. Construction lumber and finish lumber. 569,053, Jan. 13; Serial No. 605,660, published Oct. 14, 1952. Class 12.
Kraemer, Harold, doing business as Westchester Food Service, White Plains, N. Y. Pretzels. 569,021, Jan. 13; Serial No. 596,427, published Oct. 21, 1952. Class 46.
Krasnow Belt Co., Inc., New York, N. Y. Garment belts. 569,342, Jan. 13; Serial No. 618,805. Class 39.
La Compagnie Pharmaceutique Desbergers, to Desbergers Limited, Montreal, Quebec, Canada. Soporific medicine. 297,077, renewed Aug. 30, 1952. O. G. Jan. 13. Class 18.
La Compagnie Pharmaceutique Desbergers, to Desbergers Limited, Montreal, Quebec, Canada. Liver powder. 298,678, renewed Nov. 1, 1952. O. G. Jan. 13. Class 18.
Lactana Incorporated, St. Paul, Minn. Toothbrushes. 569,002, Jan. 13; Serial No. 584,410, published Oct. 21, 1952. Class 29.
Lancaster Chemical Corporation, New York, N. Y. Coal tar pitch emulsion used as a protective coating. 569,104, Jan. 13; Serial No. 616,713, published Oct. 14, 1952. Class 16.
Lankhaus, Morris, doing business as Sun Ray Hair Preparation Company, New York, N. Y. Scissors, shears, pen knives, etc. 569,047, Jan. 13; Serial No. 603,742, published Sept. 30, 1952. Class 23.
Larus & Brother Company, Richmond, Va. Smoking tobacco and cigarettes. 569,219, Jan. 13; Serial No. 626,464, published Oct. 7, 1952. Class 17.
Leaf Brands, Inc., doing business under the name and style of Overland Candy Co., Chicago, Ill. Candy. 569,148, Jan. 13; Serial No. 621,271, published Sept. 9, 1952. Class 46.
Leeds and Northrup Company, Philadelphia, Pa. High sensitivity high speed recorders, recorders, etc. 294,809, June 7, 1932. Republished Jan. 13. Class 26.
Leeds Ltd. Coats, Inc., New York, N. Y. Ladies' and misses' outerwear. 569,218, Jan. 13; Serial No. 626,331, published Oct. 21, 1952. Class 39.
Leggett, Francis H., & Company, New York, N. Y. Wheat flour and coffee. 569,024, Jan. 13; Serial No. 598,024, published Oct. 21, 1952. Class 46.
Leo Lammerts, Aachen, Germany. Sewing machine needles, embroidering machine needles, bookbinding machine needles, etc. 569,055, Jan. 13; Serial No. 606,404, published Sept. 30, 1952. Class 23.
Levi-Ottensheimer Company, Baltimore, Md. Pajamas; gymnasium, sports, and play suits. 297,687, renewed Sept. 20, 1952. O. G. Jan. 13. Class 39.
Lichtenstein, Ira, Baldwin, N. Y. Preparation for the relief of piles. 392,682, Jan. 6, 1942. Republished Jan. 13. Class 18.

LIST OF REGISTRANTS OF TRADE-MARKS

- Li & Fung, doing business as Ming Hing, Canton, by Li & Fung, Ltd., Hongkong, China. Firecrackers and fireworks. 351,926, Nov. 18, 1937. Republished Jan. 13. Class 9.
Li & Fung, Ltd.: See—
Li & Fung.
Lilli Ann Corp., San Francisco, Calif. Women's suits. 569,214, Jan. 13; Serial No. 626,210, published Oct. 21, 1952. Class 39.
Lindsay Citrus Growers Association: See—
Lindsay Farm Bureau Fruit Assn.
Lindsay Farm Bureau Fruit Assn., to Lindsay Citrus Growers Association, Lindsay, Calif. Fresh citrus fruits. 301,721, renewed Mar. 14, 1953. O. G. Jan. 13. Class 46.
Live Food Products Co.: See—
Bragg, Paul C.
Live Food Products, Inc., assignee: See—
Bragg, Paul C.
Lotties Knitting Mills, Inc., New York, N. Y. Ladies' misses' and girls' knitted outerwear. 569,297, Jan. 13; Serial No. 630,139. Class 39.
Lorillard, P., Company, New York, N. Y. Cigarettes. 569,110, Jan. 13; Serial No. 617,508, published Oct. 14, 1952. Class 17.
Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 301,650, renewed Mar. 7, 1953. O. G. Jan. 13. Class 46.
Lovejoy, Berger & Teitelbaum, Inc., Nashville, Tenn. Women's hosiery. 569,017, Jan. 13; Serial No. 593,731, published Oct. 21, 1952. Class 39.
Lucky No-Jo Products Co.: See—
Neumann, Morton G.
Lustrwood Process Company, Division of Frederick J. Raff Company, The: See—
Raff, Frederick J.
M & R Dietetic Laboratories, Inc., doing business as Ten-B-Low Company, Columbus, Ohio. Dried and powdered cows' milk cream. 569,186, Jan. 13; Serial No. 624,344, published June 24, 1952. Class 46.
Macchiaroli, James, Fruit Co., Phoenix, Ariz. Fresh citrus fruits. 569,239, Jan. 13; Serial No. 627,755, published Oct. 21, 1952. Class 46.
MacLaren Sportswear Corp., New York, N. Y. Men's and boys' shirts and neckties. 569,291, Jan. 13; Serial No. 627,267. Class 39.
MacLaren Sportswear Corp., New York, N. Y. Men's, boys', women's, girls' and children's outerwear. 569,293, Jan. 13; Serial No. 627,756. Class 39.
Macy, R. H., & Co., Inc., New York, N. Y. Women's hats. 299,938, renewed Jan. 3, 1953. O. G. Jan. 13. Class 39.
Magnex-Dever Company, The: See—
Wilm, Carl C.
Malden Form Brassiere Co., Inc., New York, N. Y. Bust pads. 569,154, Jan. 13; Serial No. 621,831, published Aug. 26, 1952. Class 40.
Mallard Corp., The, New York, N. Y. Candy. 569,241, Jan. 13; Serial No. 627,826, published Sept. 23, 1952. Class 46.
Major Manufacturing Company, New York, N. Y. to Plough, Inc., Memphis, Tenn. Cement for repairing broken articles. 90,820, re-renewed Mar. 25, 1953. O. G. Jan. 13. Class 5.
Manna, Michael B., Jersey City, N. J. Italian style baked goods. 569,132, Jan. 13; Serial No. 619,252, published Oct. 21, 1952. Class 46.
Manufacturing Laboratories, Inc., Boston Mass. Preparation for mellowing leather. 354,291, Feb. 8, 1938. Republished Jan. 13. Class 6.
Marathon Corporation, Rothschild, Wis. Collapsible paper cartons. 569,125, Jan. 13; Serial No. 618,174, published Oct. 14, 1952. Class 2.
Marlene's, Inc., Chicago, Ill. Hair waving shampoo. 569,095, Jan. 13; Serial No. 614,884, published Oct. 21, 1952. Class 52.
Marsh Stencil Machine Company, Belleville, Ill. Gummed tape dispensing machines. 569,312, Jan. 13; Serial No. 589,583. Class 23.
Marshall's Research Corporation, Tacoma, Wash. Liquid detergent preparation. 569,142, Jan. 13; Serial No. 620,162, published Oct. 21, 1952. Class 4.
Marland, Robert, & Co., Limited, Manchester, England. Cotton yarns. 89,480, re-renewed Dec. 17, 1952. O. G. Jan. 13. Class 43.
Marston Excelsior Limited, London, England. Tanks. 569,184, Jan. 13; Serial No. 624,280, published Oct. 21, 1952. Class 2.
Mason, Au & Magenheimer Conf. Mfg. Co., assignor to Mason, Au & Magenheimer Confection Mfg. Co., Brooklyn, by Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candy. 415,489, Aug. 7, 1945. Republished Jan. 13. Class 46.
Mason, Au & Magenheimer Confection Mfg. Co., assignee: See—
Mason, Au & Magenheimer Conf. Mfg. Co.
Marsengill, S. E., Company, The, Bristol, Tenn. Oral pharmaceutical preparation. 569,206, Jan. 13; Serial No. 626,094, published Oct. 28, 1952. Class 18.
Master Addresser Company, Minneapolis, Minn. Hectographic duplicating machines. 568,994, Jan. 13; Serial No. 580,733, published Sept. 16, 1952. Class 23.
May, Harold E., doing business as May's Candy Shop, Mackinac Island, Mich. Candy. 569,117, Jan. 13; Serial No. 617,719, published Oct. 21, 1952. Class 46.
May's Candy Shop: See—
May, Harold E.
McGraw Electric Company, The, doing business under the name and style Husemann Manufacturing Company, Elgin, Ill., and St. Louis, Mo. Electric fuses, renewable fuses, renewable fuse casings and links. 569,307, Jan. 13; Serial No. 574,447. Class 21.
McGuire Bros. Inc., Long Island City, N. Y. Rental of towels. 569,266, Jan. 13; Serial No. 613,179, published Oct. 21, 1952. Class 100.
McKee Glass Company, Jeannette, Pa., now by merger Thatcher Glass Manufacturing Company, Inc. Glass carafes. 569,046, Jan. 13; Serial No. 603,488, published Oct. 7, 1952. Class 33.
McNaught Syndicate, Inc., The, New York, N. Y. Daily and Sunday comic strip. 569,223, Jan. 13; Serial No. 626,832, published Oct. 14, 1952. Class 38.
Meadows, Virgil E., Bronxville, N. Y. Medicated liquid skin cream. 569,181, Jan. 13; Serial No. 623,898, published Oct. 28, 1952. Class 18.
Mentmore Manufacturing Company Limited, London, England. Pens, fountain pens, and pencil cases. 297,938, renewed Oct. 4, 1952. O. G. Jan. 13. Class 37.
Mercantile Stores Company, Inc., Wilmington, Del. Blankets, textile rugs, bedspreads, etc. 569,000, Jan. 13; Serial No. 583,763, published Oct. 21, 1952. Class 42.
Merck & Co., Inc., Rahway, N. J. Therapeutic substance. 569,220, Jan. 13; Serial No. 626,466, published Oct. 28, 1952. Class 18.
Michigan Blueberry Growers Association, Grand Junction, Mich. Fresh cultivated blueberries. 569,327, Jan. 13; Serial No. 613,014. Class 46.
Michigan Peat, Inc., New York, N. Y. Peat used as a soil conditioner. 569,247, Jan. 13; Serial No. 628,364, published Oct. 21, 1952. Class 10.
Micro Engineering Co.: See—
Robison, Fulton C.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape and gummed cloth tape. 569,313, Jan. 13; Serial No. 591,577. Class 5.
Milford Canning Company, Milford, Ill. Canned vegetables. 569,235, Jan. 13; Serial No. 627,395, published Oct. 21, 1952. Class 46.
Miller, Meyer, doing business under the name Miller Underwear Co., New York, N. Y. Ladies' underwear. 569,285, Jan. 13; Serial No. 623,472. Class 39.
Miller Underwear Co.: See—
Miller, Meyer.
Millway Knitting Mill, Inc., Millway, Pa. Ladies' hosiery. 569,040, Jan. 13; Serial No. 602,464, published Oct. 21, 1952. Class 39.
Ming Hing: See—
Li & Fung.
Minnesota Automotive, Inc., Minneapolis, Minn. Solenoid control valve attachment. 569,322, Jan. 13; Serial No. 605,319. Class 21.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear. 568,980, Jan. 13; Serial No. 544,802, published Oct. 21, 1952. Class 39.
Misklon Manufacturing Company, Houston, Tex. Reciprocating slush pumps, slush pump liners, slush pump valves, etc. 569,271, Jan. 13; Serial No. 620,614. Class 23.
Missouri Farmers Association, Inc., Columbia, Mo. Fertilizers. 569,022, Jan. 13; Serial No. 597,219, published Oct. 21, 1952. Class 10.
Modern Manufacturing Co. Inc., New York, N. Y. Dresses, housedresses, aprons, etc. 569,138, Jan. 13; Serial No. 619,844, published Oct. 21, 1952. Class 39.
Modiste Shoes, Inc., New York, N. Y. Ladies' and misses' shoes. 569,188, Jan. 13; Serial No. 624,558, published Oct. 21, 1952. Class 39.
Moffet Laboratories, Inc., Dayton, Ohio. Preparation for the treatment of anemia. 569,153, Jan. 13; Serial No. 621,630, published Sept. 30, 1952. Class 18.
Mohler, Oscar, doing business as Mohler Sales Company, Minneapolis, Minn. Casting bobbins. 569,330, Jan. 13; Serial No. 613,599. Class 22.
Mohler Sales Company: See—
Mohler, Oscar.
Monarch Metal Weather Strip Company, to Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Metal weather-strips. 90,722, re-renewed Mar. 18, 1953. O. G. Jan. 13. Class 12.
Monarch Metal Weatherstrip Corporation: See—
Monarch Metal Weather Strip Company.
Monsanto Chemical Company, St. Louis, Mo. Soil additives. 569,182, Jan. 13; Serial No. 624,044, published Oct. 14, 1952. Class 10.
Monsanto Chemical Company, St. Louis, Mo. Soil additives. 569,183, Jan. 13; Serial No. 624,046, published Oct. 14, 1952. Class 10.
Monsanto Chemical Company, St. Louis, Mo. Publications. 569,207, Jan. 13; Serial No. 626,103, published Oct. 14, 1952. Class 38.
Moore, Robert J., Spokane, Wash. Children's books. 569,147, Jan. 13; Serial No. 621,160, published Oct. 14, 1952. Class 38.

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Morgan & Bush, Inc., Bakersfield, Calif. Mixture of mineral for enriching the soil. 569,222, Jan. 13; Serial No. 626,324, published Oct. 14, 1952. Class 10.

Music Guild of America, Newark, N. J. Polling public taste in modern music, rating the current popularity of favorite tunes, etc. 569,344, Jan. 13; Serial No. 605,222. Class 100.

N. V. J. Elias, Inc., New York, N. Y. Textile fabrics. 569,032, Jan. 13; Serial No. 601,140, published Sept. 18, 1951. Class 42.

Naamloze Vennootschap Kunstzijdespinnerij Nyma, Nijmegen, Netherlands. Cords and cordage. 569,150, Jan. 13; Serial No. 621,411, published Oct. 21, 1952. Class 7.

Nash-De Camp Company: See—
Randolph Marketing Company.

National Cylinder Gas Company, Chicago, Ill. Electric welding apparatus and parts thereof. 569,304, Jan. 13; Serial No. 561,851. Class 21.

National Filter Media Corporation, The, New Haven, Conn. Woven filter cloth. 569,236, Jan. 13; Serial No. 627,309, published Oct. 21, 1952. Class 42.

National Industries Corporation, Newark, N. J. Janitors' detergent cleaners, rug shampoos, soaps, etc. 569,079, Jan. 13; Serial No. 611,903, published Oct. 21, 1952. Class 52.

National Package Drugs, Inc., St. Louis, Mo. Medical preparations. 569,107, Jan. 13; Serial No. 617,456, published Sept. 30, 1952. Class 18.

NEA Service, Inc., Cleveland, Ohio. Comic strips. 569,190, Jan. 13; Serial No. 622,220, published Oct. 14, 1952. Class 38.

Nebraska Consolidated Mills Company, Omaha, Nebr. Pancake mixes. 569,009, Jan. 13; Serial No. 500,096, published Sept. 23, 1952. Class 46.

Nestle Company, Inc., The, White Plains, N. Y. Dehydrated food product. 569,099, Jan. 13; Serial No. 615,393, published Oct. 7, 1952. Class 46.

Neumann, Morton G., doing business as Lucky Mo-Jo Products Co., to Valmor Products Co., Chicago, Ill. Incense, perfumes, and toothpaste. 298,129, renewed Oct. 11, 1952. O. G. Jan. 13. Class 51.

New York Merchandise Co., Inc., New York, N. Y. Abrasive pot cleaners. 298,380, renewed Oct. 25, 1952. O. G. Jan. 13. Class 4.

Nimble, Inc., New York, N. Y. Ladies' and misses' girdles, panty girdles, etc. 569,200, Jan. 13; Serial No. 625,754, published Oct. 21, 1952. Class 39.

Northern Premium Stamp Company, Portland, Oreg. Trading stamps. 569,180, Jan. 13; Serial No. 624,564, published Oct. 7, 1952. Class 38.

Northrop Aircraft, Inc., Hawthorne, Calif. Airplane control surfaces. 569,057, Jan. 13; Serial No. 607,444, published Sept. 23, 1952. Class 19.

Northwestern Pine Tar Co., Chicago, Ill. Pine tar. 298,186, renewed Oct. 18, 1952. O. G. Jan. 13. Class 6.

No-Lift Company, Inc., The, Hollywood, Calif. Maternity girdles, maternity belts, and maternity corsets. 569,005, Jan. 13; Serial No. 586,058, published Oct. 21, 1952. Class 39.

Nutone, Inc., Cincinnati, Ohio. Electric heater, light and fan combination units. 569,332, Jan. 13; Serial No. 614,213. Class 21.

O. K.-Lax Mfg. Co.: See—
Itzagg, Paul C.

Oakford Company, The, Peoria, Ill. Dog and cat food. 569,237, Jan. 13; Serial No. 627,638, published Oct. 21, 1952. Class 46.

Oil Well Engineering Company, Ltd., The, New York, N. Y., and London and Stockport, England. Well-boring plants. 284,247, June 23, 1931. Correlated. O. G. Jan. 13. Class 23.

Old Copper Mine Farms, Inc., Warrenville, N. J. Miniature greenhouse. 569,288, Jan. 13; Serial No. 625,120. Class 50.

Old-North Manufacturing Co.: See—
Goff, William H.

Oliver Machinery Company, Grand Rapids, Mich. Machinery. 568,982, Jan. 13; Serial No. 563,984, published Sept. 30, 1952. Class 23.

Olivo Co., Inc., The, Philadelphia, Pa. Hair oil pomade, hair tonic, face lotion, etc. 569,100, Jan. 13; Serial No. 615,654, published Oct. 7, 1952. Class 51.

Oregon Pulp and Paper Company, Portland and Salem, Oreg. Mimeograph paper and duplicating paper. 569,294, Jan. 13; Serial No. 628,006. Class 37.

Oregon Waxed Company, Portland, Oreg. Wax. 569,284, Jan. 13; Serial No. 623,427. Class 43.

Orleans Canning Company, Chicago, Ill. Dog food. 569,205, Jan. 13; Serial No. 626,044, published Oct. 21, 1952. Class 46.

Oseola Foods, Inc., Oseola, Ark. Oleomargarine. 569,252, Jan. 13; Serial No. 628,864, published Oct. 21, 1952. Class 46.

Ottenthalmer, Reuben E., Baltimore, Md. Window sash, window frames, window molding, etc. 569,084, Jan. 13; Serial No. 612,756, published Oct. 28, 1952. Class 12.

Overland Candy Co.: See—
Leaf Brands, Inc.

Padgett Brothers Company, Dallas, Tex. Silk manila larlat rope. 569,281, Jan. 13; Serial No. 622,726. Class 7.

Palter De Liso, Inc., New York, N. Y. Ladies' shoes. 569,201, Jan. 13; Serial No. 625,755, published Oct. 21, 1952. Class 39.

Para Manufacturing Co., Inc., Newark, N. J. Shower curtains and matching window drapes. 569,240, Jan. 13; Serial No. 627,769, published Oct. 21, 1952. Class 42.

Parfums Chiron, Société à Responsabilité Limitée, Courbevoie, Seine, France. Perfumes, toilet waters, rouge, etc. 569,335, Jan. 13; Serial No. 616,865. Class 51.

Parfums Corday, Inc.: See—
American Advertised Products, Incorporated.

Parmet, Joseph, Co., The: See—
Parmet, Joseph.

Parmet, Joseph, doing business as The Joseph Parmet Co., Catawauqua, Pa. Dusting cloths and mops. 569,317, Jan. 13; Serial No. 599,776. Class 29.

Pax Products, Inc., Brooklyn, N. Y. Ash receivers. 569,224, Jan. 13; Serial No. 626,745, published Oct. 7, 1952. Class 8.

Pearl-Preview Shoe Co., Philadelphia, Pa. Ladies' slippers. 569,051, Jan. 13; Serial No. 605,230, published Oct. 21, 1952. Class 39.

Pen Argyl Milling Co., Inc., Pen Argyl, Pa. Creamy grits. 569,289, Jan. 13; Serial No. 625,619. Class 46.

Peoples First National Bank & Trust Company, Pittsburgh, Pa. General banking and trust services. 569,265, Jan. 13; Serial No. 606,321, published Oct. 21, 1952. Class 102.

Permatex Company, Inc., Brooklyn and Sheephead Bay, N. Y. Products used on the interior and exterior of automobiles. 569,054, Jan. 13; Serial No. 606,173, published Oct. 21, 1952. Class 4.

Petrolite Corporation: See—
Petrolite Corporation, Ltd.

Petrolite Corporation, Ltd., doing business under the name of Tret-O-Lite Co. of Calif., St. Louis, Mo., and Los Angeles, Calif., now by change of name Petrolite Corporation. Chemical reagent for cleaning, etc. 568,990, Jan. 13; Serial No. 575,423, published Oct. 14, 1952. Class 52.

Pharma Chemical Corporation, New York, N. Y., and Rayonne, N. J. Dyes, and intermediate chemicals. 569,151, Jan. 13; Serial No. 621,419, published Oct. 28, 1952. Class 6.

Philadelphia Felt Company, Philadelphia, Pa. Seamless tubular woven cotton fabric. 569,258, Jan. 13; Serial No. 631,021, published Oct. 21, 1952. Class 42.

Phillips Petroleum Company, Bartlesville, Okla. Nitrogenous fertilizer. 568,987, Jan. 13; Serial No. 569,474, published Oct. 14, 1952. Class 10.

Pierl, J. O. Company: See—
Pierl, John J.

Pierl, John J., executor of the estate of J. G. Pierl, deceased, doing business as J. G. Pierl Company, and also as Bestaste Products Company, Buffalo, N. Y. Tomato paste. 569,101, Jan. 13; Serial No. 615,944, published Sept. 23, 1952. Class 46.

Pierl, Joseph G.: See—
Pierl, John J.

Piggly Wiggly Corporation, Cincinnati, Ohio, to Piggly Wiggly Corporation, Jacksonville, Fla. Canned vegetables and canned fish. 297,647, renewed Sept. 20, 1952. O. G. Jan. 13. Class 46.

Pilat Company of California, The, Redwood City, Calif. Processed wheat, grain food. 569,226, Jan. 13; Serial No. 626,823, published Oct. 21, 1952. Class 46.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Cake flour and wheat flour. 298,293, renewed Oct. 18, 1952. O. G. Jan. 13. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Flour. 334,119, Apr. 21, 1936. Republished Jan. 13. Class 46.

Pillsbury Mills, Inc.: See—
Pillsbury Flour Mills Company.

Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Fresh eggs, frozen eggs, dried eggs, etc. 569,008, Jan. 13; Serial No. 587,907, published June 3, 1952. Class 46.

Plee-Zing, Inc., Evanston, Ill. Ladies' and misses' hose. 569,221, Jan. 13; Serial No. 626,470, published Oct. 21, 1952. Class 39.

Plough, Inc.: See—
Major Manufacturing Company.

Pneumatic Scale Corporation, Limited, Quincy, Mass. Mechanically operated packaging machinery. 569,023, Jan. 13; Serial No. 597,863, published Oct. 7, 1952. Class 23.

Polaris Company, Inc.: See—
Caladent Company, Inc.

Pons Full Fashion Mills, Inc., Valdease, N. C. Ladies' hosiery. 569,280, Jan. 13; Serial No. 621,728. Class 39.

Papcorn Products Corporation, Milwaukee, Wis. Raw popcorn. 569,122, Jan. 13; Serial No. 618,008, published Oct. 21, 1952. Class 46.

Post Printing and Publishing Company, The, Denver, Colo. Weekly magazine. 569,078, Jan. 13; Serial No. 611,915, published Sept. 30, 1952. Class 38.

Precise Products Company, Racine, Wis. Grinding and milling tools; arbors; milling cutters; etc. 568,991, Jan. 13; Serial No. 576,553, published Sept. 30, 1952. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Pressed Steel Car Company, Inc., Chicago, Ill. Box cars and refrigeration cars. 569,050, Jan. 13; Serial No. 604,595, published Sept. 16, 1952. Class 19.

Price Candy Company, Kansas City, Mo. Candy. 569,202, Jan. 13; Serial No. 625,756, published Oct. 21, 1952. Class 46.

Prince Macaroni Manufacturing Company, doing business under the name of Roman-Prince Macaroni Co., Lowell, Mass. Spaghetti. 569,035, Jan. 13; Serial No. 601,753, published Oct. 21, 1952. Class 46.

Quick-Seal Products, Inc., Herndon, Pa. Stemming device—namely, a tamping plug for sealing explosive-filled bore-holes. 569,167, Jan. 13; Serial No. 624,501, published Oct. 21, 1952. Class 9.

Raff, Frederick J., doing business under the name and style of The Lustrewood Process Company, Division of Frederick J. Raff Company, Bristol, Conn. Wood fibre board in panels and shapes. 569,279, Jan. 13; Serial No. 621,113. Class 12.

Rail Steel Bar Association, Chicago, Ill. Technical and promotional bulletins and literature. 569,072, Jan. 13; Serial No. 610,833, published Oct. 14, 1952. Class 38.

Randolph Marketing Company, Los Angeles, by Nash-De Camp Company, Visalia, Calif. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables, etc. 192,135, Nov. 25, 1924. Republished Jan. 13. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Bacon, hams, skinned hams, etc. 89,699, re-renewed Dec. 31, 1952. O. G. Jan. 13. Class 46.

Red Seal Bird Food Co.: See—
Berger, John.

Reed & Carnrick, Jersey City, N. J. Alkaline tablets. 301,974, renewed Mar. 21, 1953. O. G. Jan. 13. Class 18.

Reed, Donald L., and Company, Denver, Colo. Canned unsweetened pineapple juice, heavy syrup crushed pineapple, extra heavy syrup pineapple tidbits, etc. 569,028, Jan. 13; Serial No. 599,452, published Mar. 18, 1952. Class 46.

Regal Shoe Company: See—
Regal Shoe Company, Inc.

Regal Shoe Company, Inc., Boston, assignor to Regal Shoe Company, to Regal Shoe Company, Whitman, Mass. Shoe-holders and boot and shoe trees. 90,577, re-renewed Mar. 4, 1953. O. G. Jan. 13. Class 60.

Revlon Products Corporation, New York, N. Y. Nail enamel and lipstick. 569,168, Jan. 13; Serial No. 622,847, published Oct. 7, 1952. Class 51.

Reymer & Brothers, Incorporated, Pittsburgh, Pa. Non-alcoholic maltless soft drinks and syrups for making same. 569,310, Jan. 13; Serial No. 580,323. Class 45.

Rice Barton Corporation, Worcester, Mass. Periodical publication. 569,139, Jan. 13; Serial No. 619,916, published Oct. 14, 1952. Class 38.

Ritter Company, Inc., Rochester, N. Y. Air compressors. 569,144, Jan. 13; Serial No. 620,523, published Sept. 30, 1952. Class 23.

Robinson, Fulton C., doing business as Micro Engineering Co., Seattle, Wash. Miniature racing automobile and parts thereof. 569,026, Jan. 13; Serial No. 598,600, published Sept. 16, 1952. Class 19.

Rodman, S., Sons, New York, N. Y. Watches, clocks and parts thereof, etc. 569,270, Jan. 13; Serial No. 619,646. Class 27.

Roman-Prince Macaroni Co.: See—
Prince Macaroni Manufacturing Company.

Rome Company, Inc., The, by Burton-Dixie Corporation, Chicago, Ill. Beds, bed springs, mattresses, box springs, etc. 291,992, Mar. 1, 1932. Republished Jan. 13. Class 32.

S. A. Felice Bistari & Cia., Milan, Italy. Medicinal bitters and stomachic tonics. 569,108, Jan. 13; Serial No. 617,461, published Sept. 30, 1952. Class 18.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Frozen fish. 569,123, Jan. 13; Serial No. 618,129, published Oct. 7, 1952. Class 46.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Nonfat dry milk solids. 569,338, Jan. 13; Serial No. 618,130. Class 46.

Sage Laboratories, Inc., New York, N. Y. Room deodorizer, disinfectant, and laundry bleach, etc. 569,320, Jan. 13; Serial No. 602,719. Class 6.

San Juan Fishing & Packing Co., Seattle, Wash. Frozen fish, frozen fish fillets, smoked fish, etc. 569,245, Jan. 13; Serial No. 628,299, published Oct. 21, 1952. Class 46.

Sandler, A., Co., Boston, Mass. Shoes. 569,208, Jan. 13; Serial No. 626,122, published Oct. 21, 1952. Class 39.

Sandpaper Incorporated, Rockland, Mass. Abrasive cloths. 569,305, Jan. 13; Serial No. 585,727. Class 4.

Savoy Watch Co., Inc., New York, N. Y. Watches, watch-cases, watch movements, etc. 188,608, Sept. 2, 1924. Republished Jan. 13. Class 27.

Savoy Watch Co., Inc., New York, N. Y. Watches, watch-cases, watch movements and parts thereof. 234,239, Oct. 18, 1927. Republished Jan. 13. Class 27.

Savoy Watch Co., Inc., New York, N. Y. Gold, silver, and platinum watches. 335,160, May 26, 1936. Republished Jan. 13. Class 27.

Savoy Watch Co., Inc., New York, N. Y. Gold, silver, and platinum watches. 344,657, Mar. 30, 1937. Republished Jan. 13. Class 27.

Schenley Import Corporation, New York, N. Y. Wines. 402,526, July 27, 1943. Republished Jan. 13. Class 47.

Schenley Laboratories, Inc., New York, N. Y. Polyvinyl pyrrolidone. 569,242, Jan. 13; Serial No. 627,972, published Oct. 28, 1952. Class 18.

Sea Hunter Mfg. Co., Inc., Los Angeles, Calif., assignee of W. L. Goon. Seasoned flour preparation. 569,031, Jan. 13; Serial No. 600,773, published Sept. 23, 1952. Class 46.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. 569,105, Jan. 13; Serial No. 610,874, published Oct. 14, 1952. Class 32.

Shaw, Frank R., Presque Isle, Maine. Potatoes. 569,165, Jan. 13; Serial No. 622,626, published Oct. 21, 1952. Class 46.

Shaw-Rogers Company, The, Akron, Ohio. Watches. 569,180, Jan. 13; Serial No. 623,736, published Sept. 30, 1952. Class 27.

Sheets, Elie, Candles Company, assignee: See—
Washington, Martha, Candles Company.

Shirtercraft Company, Inc., The, New York, N. Y. Sport shirts. 569,295, Jan. 13; Serial No. 628,722. Class 39.

Shirtercraft Company, Inc., The, New York, N. Y. Men's and boys' work, dress, and negligee shirts. 569,334, Jan. 13; Serial No. 616,055. Class 39.

Siegel-Shulman, Inc., Miami Beach, Fla. Ladies', misses', men's and boys' suits, coats, dresses, blouses, etc. 569,298-9, Jan. 13; Serial No. 630,510-17. Class 39.

Simplifold Manufacturing Co., Inc., assignor to M. Coblin, Los Angeles, Calif., doing business as Simplifold Mfg. Company. Infants' clothing. 569,011, Jan. 13; Serial No. 580,186, published Oct. 21, 1952. Class 39.

Simplifold Mfg. Company: See—
Simplifold Manufacturing Co., Inc.

Skin Culture Institute, Inc.: See—
Skin Culture Laboratories, Inc.

Skin Culture Laboratories, Inc., to Skin Culture Institute, Inc., New York, N. Y. Skin lotion. 297,835, renewed Oct. 4, 1952. O. G. Jan. 13. Class 51.

Slayman, Victor, Lindsay, Calif. Fresh deciduous fruits, fresh citrus fruits, fresh grapes, etc. 569,254, Jan. 13; Serial No. 629,129, published Oct. 21, 1952. Class 46.

Small, Blanche D., doing business as Mike Small, New York, N. Y. Creating and making up fashion patterns and designs. 569,264, Jan. 13; Serial No. 599,026, published Oct. 21, 1952. Class 100.

Small, Mike: See—
Small, Blanche D.

Smith-Dorsey Company, The, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill. Antacid/rectal suppositories. 569,034, Jan. 13; Serial No. 601,339, published Oct. 28, 1952. Class 18.

Smith Mountain Ranch: See—
Ratkin, Fred, Jr.

Societe a Responsabilite Limitee Cognac Favraud, Chateau de Souillac a Jarnac Charente, France. Cognac brandy. 569,329, Jan. 13; Serial No. 613,282. Class 49.

Southeastern Foods, Inc., Brundidge, Ala. Peanut butter; mayonnaises; sandwich spread, etc. 569,134, Jan. 13; Serial No. 619,522, published Sept. 23, 1952. Class 46.

Southern Pottery, Inc., Erwin, Tenn. China dinnerware, bowls, and plates. 569,166-7, Jan. 13; Serial Nos. 622,729-30, published Sept. 23, 1952. Class 30.

Southern Production Company, Inc., assignee: See—
Danciger Oil & Refining Company.

Southwestern Sewing Equipment Corporation, doing business as Fairchild Sewing Machine Co., Dallas, Tex. Sewing machines. 569,282, Jan. 13; Serial No. 622,833. Class 23.

Spencer Chemical Company, Kansas City, Mo. Ammonium nitrate fertilizer. 569,251, Jan. 13; Serial No. 628,654, published Oct. 14, 1952. Class 10.

Squibb, E. R., & Sons, New York, N. Y. Preparation for animal feed supplementation. 569,093, Jan. 13; Serial No. 614,267, published Oct. 28, 1952. Class 18.

Staley, A. E., Manufacturing Company, Decatur, Ill. Soybean composition. 569,088, Jan. 13; Serial No. 613,739, published Oct. 21, 1952. Class 46.

Standard Brands Incorporated, New York, N. Y. Oleomargarine. 569,025, Jan. 13; Serial No. 588,213, published Oct. 21, 1952. Class 46.

Standard Industrial Products, Inc., Evanston, Ind. Polish. 569,064, Jan. 13; Serial No. 608,806, published Oct. 14, 1952. Class 4.

Stein & Ellbogen Company, Chicago, Ill. Jewelry. 569,341, Jan. 13; Serial No. 618,521. Class 28.

Steininger, Harry P., Detroit, Mich. Explosive cartridges. 569,119, Jan. 13; Serial No. 617,822, published Oct. 14, 1952. Class 9.

Stephano Brothers, Philadelphia, Pa. Cigars, cigarettes, and tobacco. 302,023, renewed Mar. 21, 1953. O. G. Jan. 13. Class 17.

Stetson China Co., Inc., Lincoln, Ill. Dinnerware. 569,077, Jan. 13; Serial No. 611,586, published Sept. 23, 1952. Class 30.

Stichting Holland Weavers Guild (Foundation Holland Weavers Guild), Rotterdam, Netherlands. Textile tissues. 569,321, Jan. 13; Serial No. 603,262. Class 42.

Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. 297,916, renewed Oct. 4, 1952. O. G. Jan. 13. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

- Strutwear, Inc.: See—
Strutwear Knitting Company, to Strutwear, Inc., Minneapolis, Minn. Hosiery and underwear. 299,048, renewed Nov. 22, 1952. O. G. Jan. 13. Class 39.
- Stuepnaegel's Inc., Yankton, S. Dak. Shell and frozen eggs. 509,103, Jan. 13; Serial No. 616,650, published Sept. 23, 1952. Class 46.
- Suo-Maid Raisin Growers of California, Fresno, Calif. Chocolate coated raisins. 569,019, Jan. 13; Serial No. 593,428, published Oct. 21, 1952. Class 46.
- Sun Ray Hair Preparation Company: See—
Langhaus, Morris.
- Survive-All, Inc., Providence, R. I. Package containing articles for use after a disaster. 508,283, Jan. 13; Serial No. 623,167. Class 50.
- Swift & Company: See—
Armstrong Packing Company.
- Szakacs, Joseph J., doing business as Custom Hydrocraft, San Diego, Calif. Sailing and outboard motor boats and sails. 569,052, Jan. 13; Serial No. 603,273, published Sept. 16, 1952. Class 19.
- Ten-R-Low Company: See—
M & R Dietetic Laboratories, Inc.
- Tenn-Rock Hosiery Co., McMinnville, Tenn. Hosiery. 569,213, Jan. 13; Serial No. 626,181, published Oct. 21, 1952. Class 39.
- Thatcher Glass Manufacturing Company, Inc.: See—
McKee Glass Company.
- Thermold Company: See—
Thermold Rubber Company.
- Thermold Rubber Company, to Thermold Company, Trenton, N. J. Brake linings. 301,992, renewed Mar. 21, 1953. O. G. Jan. 13. Class 35.
- Thomas, William, South River, N. J. Grease-proof, moisture-proof, vapor-proof and liquid-tight bags, pouch-like receptacles, and liners for barrels, etc. 569,074, Jan. 13; Serial No. 611,001, published Oct. 21, 1952. Class 2.
- Thurman Manufacturing Company, Philadelphia, Pa. Ladies' sleeveless button vests. 569,012, Jan. 13; Serial No. 590,193, published Oct. 21, 1952. Class 39.
- Tolfree, Edward R., doing business as "X" Laboratories, to "X" Laboratories, Inc., New York, N. Y. Lubricating oils. 298,765, renewed Nov. 8, 1952. O. G. Jan. 13. Class 15.
- Tret-O-Life Co. of Calif.: See—
Petrolite Corporation, Ltd.
- Tru Balance Corsets, Inc., New York, N. Y. Ladies' corsets, girdles, foundation garments, etc. 569,094, Jan. 13; Serial No. 614,673, published Oct. 21, 1952. Class 39.
- Twia Disc Clutch Company, Racine, Wis. Hydraulic power transmission coupling and connected planetary gear set. 569,036, Jan. 13; Serial No. 601,364, published Sept. 30, 1952. Class 23.
- 29th Division Association, Inc., The, Newark, N. J., to The 29th Division Association, Inc., Washington, D. C. Periodical publications. 297,874, renewed Oct. 4, 1952. O. G. Jan. 13. Class 38.
- Ulmann, Bernard Co., Inc., Long Island City, N. Y. Wool rug yarns. 569,027, Jan. 13; Serial No. 598,874, published July 8, 1952. Class 43.
- Union Steel Chest Corporation, LeRoy, N. Y. Tool chests, and boxes. 568,978, Jan. 13; Serial No. 540,496, published Oct. 21, 1952. Class 2.
- United Leather Shoe Trimmings Company, Boston, Mass. Leather top lifts for shoes. 569,089, Jan. 13; Serial No. 610,151, published Oct. 21, 1952. Class 39.
- United Merchants and Manufacturers, Inc., New York, N. Y. Piece goods. 569,325, Jan. 13; Serial No. 612,771. Class 42.
- United Mills Corporation, Mount Gilead, N. C. Brassieres. 569,243, Jan. 13; Serial No. 627,988, published Oct. 21, 1952. Class 39.
- U. S. Chewing Gum Mfg. Co., Oakland, Calif. Candy coated chewing gum. 569,324, Jan. 13; Serial No. 612,670. Class 46.
- United States Gypsum Company, Chicago, Ill. Metal casting plaster. 569,246, Jan. 13; Serial No. 628,310, published Oct. 28, 1952. Class 12.
- United States Rubber Company, New York, N. Y. Rubber composition shoe soles. 569,173, Jan. 13; Serial No. 623,264, published Oct. 21, 1952. Class 39.
- United States Tobacco Company, New York, N. Y. Smoking tobacco. 569,227, Jan. 13; Serial No. 626,842, published Oct. 14, 1952. Class 17.
- Universal Atlas Cement Company, New York, N. Y. Hydraulic cement. 569,231-3, Jan. 13; Serial Nos. 627,018-20, published Oct. 14, 1952. Class 12.
- Upjohn Company, The, Kalamazoo, Mich. Ophthalmic preparation. 569,262, Jan. 13; Serial No. 631,903, published Oct. 21, 1952. Class 18.
- Usen Canning Co., Boston, Mass. Cat food. 569,276, Jan. 13; Serial No. 620,961. Class 46.
- Valmor Products Co.: See—
Neuman, Morton O.
- Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 298,727, renewed Nov. 1, 1952. O. G. Jan. 13. Class 35.
- Vita-Food Corporation, The, Los Angeles, Calif. Cookies and vitamin fortified cookies. 569,010, Jan. 13; Serial No. 590,124, published Oct. 7, 1952. Class 46.
- Vivitex Corporation, New York, N. Y. Table pads. 569,328, Jan. 13; Serial No. 613,273. Class 42.
- Voice Incorporated, Miami, Fla. Electrical sound recording and reproducing systems and apparatus. 569,290, Jan. 13; Serial No. 625,645. Class 21.
- Wahl Company, The, to Eversharp, Inc., Chicago, Ill. Writing ink. 300,965, renewed Feb. 14, 1953. O. G. Jan. 13. Class 11.
- Walker, Mme. C. J., Manufacturing Company, Inc., The, Indianapolis, Ind. Hair dressing. 569,306, Jan. 13; Serial No. 570,597. Class 51.
- Wallau, Alex Lee, Inc., New York, N. Y. Ladies' and children's slipper socks. 569,176, Jan. 13; Serial No. 623,443, published Oct. 21, 1952. Class 39.
- Wander Company, The, assignee: See—
Smith-Dorsey Company, The.
- Warp Brothers: See—
Flex-O-Glass, Inc.
- Washington, Martha, Candies Co.: See—
Washington, Martha, Candies Company.
- Washington, Martha, Candies Company, assignor to Elle Sheets Candies Company, to Martha Washington Candies Co., Chicago, Ill. Chocolate. 299,831, renewed Dec. 27, 1952. O. G. Jan. 13. Class 46.
- Waterville Textile Mills, Inc., Waterville, N. Y. Knit athletic union suits and athletic shirts. 568,993, Jan. 13; Serial No. 580,271, published Oct. 21, 1952. Class 39.
- Waveedge Ribbons, Inc., New York, N. Y. Ribbons in banks and ribbons in the piece. 569,272, Jan. 13; Serial No. 620,634. Class 42.
- Webster-Thomas Company, Boston, Mass. Canned vegetable juice cocktail, coffee, tea, etc. 569,063, Jan. 13; Serial No. 608,390, published Oct. 21, 1952. Class 46.
- Weiner & Bauer, Inc., New York, N. Y. Textile fabrics. 569,039, Jan. 13; Serial No. 602,115, published May 6, 1952. Class 42.
- Wernet Dental Mfg. Co., Inc., Jersey City, N. J. Dental preparation. 267,532, Feb. 25, 1930. Republished Jan. 13. Class 51.
- Wernet Dental Mfg. Co., Inc., Jersey City, N. J. Preparation used for the cleaning of artificial teeth. 267,771, Feb. 25, 1930. Republished Jan. 13. Class 51.
- West Disinfecting Company, Long Island City, N. Y. Soap. 569,194, Jan. 13; Serial No. 625,167, published Oct. 21, 1952. Class 52.
- Westchester Food Service: See—
Krasner, Harold.
- Western Packing Company, Guadalupe, Calif. Fresh vegetables. 569,209, Jan. 13; Serial No. 626,127, published Oct. 21, 1952. Class 46.
- Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. 569,087, Jan. 13. Trays, and fibrous dust collecting bags, Serial No. 606,098, published May 6, 1952. Class 2; resorcinol formaldehyde, dextrin, phenolic, and vinyl type adhesives, Serial No. 606,107, published Feb. 19, 1952. Class 5; high conductivity, heat resistant, creep resistant, bracing, and magnetic alloys; metal welding rods; ferrous and non-ferrous base castings, etc., Serial No. 606,100, published Nov. 27, 1951. Class 14; lubricating oils, and lubricating greases, Serial No. 606,101, published Oct. 16, 1951. Class 13; electrical apparatus, supplies and parts therefor, Serial No. 605,542, published Sept. 16, 1952. Class 21; mechanical vacuum pumps, aircraft engines; gear reduction driving units, etc., Serial No. 606,102, published Mar. 25, 1952. Class 23; electric ironing machines and parts therefor, laundry washing machines and parts therefor, etc., Serial No. 606,103, published Nov. 27, 1951. Class 24; electric meters and measuring instruments, Serial No. 606,097, published Dec. 4, 1951. Class 26; electric commercial refrigerators and parts therefor; electric household refrigerators and parts therefor, etc., Serial No. 606,104, published Nov. 6, 1951. Class 31; heating, lighting and ventilating apparatus, supplies and parts therefor, Serial No. 606,105, published Sept. 25, 1951. Class 34; X-ray apparatus and parts therefor, Serial No. 606,106, published Oct. 9, 1951. Class 44. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
- White House Co., Harrison, N. J. Fertilizing and soil conditioning agent. 569,256, Jan. 13; Serial No. 630,642, published Oct. 14, 1952. Class 10.
- White Laboratories, Inc., Kenilworth, N. J. Dermatological preparation. 569,203, Jan. 13; Serial No. 626,849, published Oct. 28, 1952. Class 18.
- White Laboratories, Inc., Kenilworth, N. J. Oro-mucosal analgesic preparation. 569,204, Jan. 13; Serial No. 625,840, published Oct. 28, 1952. Class 18.
- Wiggins, E. R., doing business as Atlantic Laboratories, Miami, Fla. Paste or coating to be used especially in applying to the head, face, nose, and lips. 569,319, Jan. 13; Serial No. 601,766. Class 51.
- Williams, James T., doing business under the fictitious name and style of Beautylity Precut Structures Company, Rocklin, Calif. Prefabricated building structures. 569,169, Jan. 13; Serial No. 622,966, published Oct. 14, 1952. Class 12.
- Wilm, Carl C., trading as The Magnex-Denver Company, Denver, Colo. Pot-holders. 569,121, Jan. 13; Serial No. 617,898, published Oct. 21, 1952. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

- Wilson, C. E., & Company, Inc., Manchester, Conn., to C. E. Wilson Nurseries, Jacksonville, Tex., and Manchester, Conn. Nursery stock. 299,983, renewed Jan. 3, 1953. O. G. Jan. 13. Class 1.
- Wilson, C. E., Nurseries: See—
Wilson, C. E., & Company, Inc.
- Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Mixture having plant nutritional properties. 569,185, Jan. 13; Serial No. 624,317, published Oct. 14, 1952. Class 10.
- Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively-bound vegetable fiber. 569,336, Jan. 13; Serial No. 617,690. Class 50.
- Wood, Gar, Industries, Inc., Wayne, Mich. Holsts. 569,083, Jan. 13; Serial No. 612,370, published Sept. 30, 1952. Class 23.
- Wooster Brush Company, The, Wooster, Ohio. Paint applicators. 569,320, Jan. 13; Serial No. 612,881. Class 29.
- Worcester Shoe Company, Worcester, Mass. Men's shoes. 569,007, Jan. 13; Serial No. 587,520, published Oct. 21, 1952. Class 39.
- Wright, Norman S., and Company, Limited, Toronto, Ontario, Canada. Plant and vegetable fertilizer. 569,195, Jan. 13; Serial No. 625,179, published Oct. 14, 1952. Class 10.
- Wyeth Incorporated, Philadelphia, Pa. Powdered food formula. 569,149, Jan. 13; Serial No. 621,296, published Sept. 23, 1952. Class 40.
- Wyeth Incorporated, Philadelphia, Pa. Dibenzylethylene-diamine dipentitlin. 569,161, Jan. 13; Serial No. 622,473, published Oct. 28, 1952. Class 18.
- "X" Laboratories: See—
Tolfree, Edward R.
- "X" Laboratories, Inc.: See—
Tolfree, Edward R.
- Zion Countryside Bakers, The: See—
Zion Industries, Inc.
- Zion Industries, Inc., Zion, Ill. Candy bars. 568,988, Jan. 13; Serial No. 571,308, published Oct. 7, 1952. Class 40.
- Zion Industries, Inc., doing business under the trade style The Zion Countryside Bakers, Zion, Ill. Cookies. 569,277, Jan. 13; Serial No. 620,985. Class 46.
- Zion's Cooperative Mercantile Institution, Salt Lake City, Utah. Western jeans; men's waist overalls; men's bib overalls, etc. 569,170, Jan. 13; Serial No. 623,099, published Oct. 21, 1952. Class 39.
- Zonolite Company, Chicago, Ill. Plaster and concrete aggregate. 569,162, Jan. 13; Serial No. 622,475, published Oct. 28, 1952. Class 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

- CLASS 1
Nursery stock. C. E. Wilson & Company, Inc. 299,983, renewed Jan. 3, 1953. O. G. Jan. 13.
- CLASS 2
Bags, pouch-like receptacles, and liners for barrels, etc., Grease-proof, moisture-proof, vapor-proof and liquid-tight. W. Thomas. 569,074, Jan. 13; Serial No. 611,001, published Oct. 21, 1952. Class 2.
- Bins, Grain, sheep and hog troughs, storage and stock tanks, etc. A. N. Eaton. 295,330, renewed June 28, 1952. O. G. Jan. 13.
- Cartons, Collapsible paper. Marathon Corporation. 569,125, Jan. 13; Serial No. 618,174, published Oct. 14, 1952.
- Dairy Products processing equipment. The Creamery Package Mfg. Company. 568,976, Jan. 13; Serial No. 527,883, published Oct. 21, 1952.
- Refrigeration packaging products. International Harvester Company. 568,997, Jan. 13; Serial No. 581,958, published Oct. 21, 1952.
- Refuse cans, Cabinet door operated. B. D. Goldberg. 569,008, Jan. 13; Serial No. 588,800, published Oct. 21, 1952.
- Tanks. Marathon Excelsior Limited. 569,184, Jan. 13; Serial No. 624,280, published Oct. 21, 1952.
- Tool chests, and boxes. Union Steel Chest Corporation. 568,978, Jan. 13; Serial No. 540,496, published Oct. 21, 1952.
- Trays, and fibrous dust collecting bags. Westinghouse Electric Corporation. 569,087, Jan. 13; Serial No. 606,098, published May 6, 1952. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
- CLASS 3
Saddlery. Jabez Cliff & Company Limited. 298,242, renewed Oct. 18, 1952. O. G. Jan. 13.
- CLASS 4
Abrasive cloths. Sandpaper Incorporated. 569,305, Jan. 13; Serial No. 565,727.
- Abrasive pot cleaners. New York Merchandise Co., Inc. 298,390, renewed Oct. 25, 1952. O. G. Jan. 13.
- Detergent preparation, Liquid. Marshall's Research Corporation. 569,142, Jan. 13; Serial No. 620,162, published Oct. 21, 1952.
- Liquid preparations for combined cleaning and polishing of automobiles and furniture. The Rullsey Corporation. 569,029, Jan. 13; Serial No. 600,017, published Oct. 14, 1952.
- Polish. Standard Industrial Products, Inc. 569,064, Jan. 13; Serial No. 608,896, published Oct. 14, 1952.
- Polish, Liquid floor. Rillyard Chemical Company. 299,270, renewed Nov. 29, 1952. O. G. Jan. 13.
- Products used on the interior and exterior of automobiles. Permatex Company, Inc. 569,054, Jan. 13; Serial No. 600,173, published Oct. 21, 1952.
- Wax, Self-polishing. Chicago Sanitary Products Company. 569,278, Jan. 13; Serial No. 621,002.
- CLASS 5
Adhesives, Resorcinol formaldehyde, dextrin, phenolic, and vinyl type. Westinghouse Electric Corporation. 569,087, Jan. 13; Serial No. 606,107, published Feb. 19, 1952. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
- Cement for repairing broken articles. Major Manufacturing Company. 80,820, re-renewed Mar. 25, 1953. O. G. Jan. 13.
- CLASS 6
Gummed paper tape and gummed cloth tape. Mid-States Gummed paper Co. 569,313, Jan. 13; Serial No. 591,377.
- CLASS 8
Adsorptive carbons. Atlas Powder Company. 569,070, Jan. 13; Serial No. 610,406, published Oct. 28, 1952.
- Bituminous paper aising composition. The Flintkote Company. 569,253, Jan. 13; Serial No. 629,006, published Oct. 28, 1952.
- Catalyst. The Davison Chemical Corporation. 569,140, Jan. 13; Serial No. 620,024, published Oct. 21, 1952.
- Chemical colors. Holland Color and Chemical Company. 569,261, Jan. 13; Serial No. 631,737, published Oct. 28, 1952.
- Concrete curing compound. W. H. Goff. 569,296, Jan. 13; Serial No. 629,016.
- Dyes, and intermediate chemicals. Pharma Chemical Corporation. 569,151, Jan. 13; Serial No. 621,419, published Oct. 28, 1952.
- Gaseous fumigating material. The Guardite Corporation. 501,971, renewed Mar. 21, 1953. O. G. Jan. 13.
- Insecticide. C. N. Hollis Insect Extermination. 569,273, Jan. 13; Serial No. 620,718.
- Liquid for use in tobacco lighters. The Rutalite Corporation. 569,339, Jan. 13; Serial No. 618,153.
- Organic solvent. Danciger Oil & Refining Company. 568,996, Jan. 13; Serial No. 581,798, published Oct. 25, 1952.
- Pine tar. Northwestern Pine Tar Co. 298,186, renewed Oct. 18, 1952. O. G. Jan. 13.
- Preparation for mellowing leather. Manufacturing Laboratories, Inc. 354,291, Feb. 8, 1938. Republished Jan. 13.
- Preparations for exterminating insects. Geta Exterminators, Inc. 298,237, renewed Oct. 18, 1952. O. G. Jan. 13.
- Room deodorizer, disinfectant, and laundry bleach, etc. Sage Laboratories, Inc. 569,320, Jan. 13; Serial No. 602,719.
- CLASS 7
Cords and cordage. Naamloose Vennootschap Kunstzijdespinnerij Nyma. 569,150, Jan. 13; Serial No. 621,411, published Oct. 21, 1952.
- Rope, Silk manilla larlat. Padgett Brothers Company. 569,281, Jan. 13; Serial No. 622,726.
- Ropes and twines. The Heyman Company Inc. 569,280, Jan. 13; Serial No. 626,992, published Oct. 21, 1952.
- Twine and cordage. Empire Twine & Yarn Co., Inc. 301,215, renewed Feb. 21, O. G. Jan. 13.
- CLASS 8
Ash receivers. Pax Products, Inc. 569,224, Jan. 13; Serial No. 626,745, published Oct. 7, 1952.
- CLASS 9
Cartridges, Explosive. H. P. Steinsinger. 569,119, Jan. 13; Serial No. 617,822, published Oct. 14, 1952.
- Explosive. American Cyanamid Company. 569,225, Jan. 13; Serial No. 626,774, published Oct. 14, 1952.
- Firecrackers. Balfour, Guthrie & Co., Limited. 569,146, Jan. 13; Serial No. 620,950, published Oct. 21, 1952.
- Firecrackers and fireworks. Li & Fung. 351,928, Nov. 16, 1937. Republished Jan. 13.
- Stemming device—namely, a tamping plug for sealing explosive-filled bore-holes. Quick-Seal Products, Inc. 569,187, Jan. 13; Serial No. 624,501, published Oct. 21, 1952.

CLASS 10

Fertilizer. Borchardt Fuel Co. 569,018, Jan. 13; Serial No. 594,618, published Oct. 21, 1952.
 Fertilizer. Ammonium nitrate. Spencer Chemical Company. 569,251, Jan. 13; Serial No. 628,654, published Oct. 14, 1952.
 Fertilizer. Nitrogenous. Phillips Petroleum Company. 569,987, Jan. 13; Serial No. 569,474, published Oct. 14, 1952.
 Fertilizer. Plant and vegetable. Norman S. Wright and Company, Limited. 569,195, Jan. 13; Serial No. 625,179, published Oct. 14, 1952.
 Fertilizers. Missouri Farmers Association, Inc. 569,022, Jan. 13; Serial No. 597,219, published Oct. 21, 1952.
 Fertilizing and soil conditioning agent. White House Co. 569,256, Jan. 13; Serial No. 630,642, published Oct. 14, 1952.
 Mixture having plant nutritional properties. Wilson & Toomer Fertilizer Co. 569,185, Jan. 13; Serial No. 624,317, published Oct. 14, 1952.
 Mixture of mineral for enriching the soil. Morgan & Bush, Inc. 569,222, Jan. 13; Serial No. 626,524, published Oct. 14, 1952.
 Peat used as a soil conditioner. Michigan Peat, Inc. 569,247, Jan. 13; Serial No. 626,364, published Oct. 21, 1952.
 Soil additives. Monsanto Chemical Company. 569,182, Jan. 13; Serial No. 624,044, published Oct. 14, 1952.
 Soil additives. Monsanto Chemical Company. 569,183, Jan. 13; Serial No. 624,046, published Oct. 14, 1952.
 Sphagnum moss for use as a fertilizer. Acme Peat Products Limited. 569,255, Jan. 13; Serial No. 629,924, published Oct. 21, 1952.

CLASS 11

Ink. Writing. The Wahl Company. 300,965, renewed Feb. 14, 1953. O. G. Jan. 13.

CLASS 12

Building paper. Laminated, flexible, metallic-netting-reinforced. Flex-O-Glass, Inc. 569,098, Jan. 13; Serial No. 615,379, published Oct. 28, 1952.
 Cement. Hydraulic. Universal Atlas Cement Company. 569,231-3, Jan. 13; Serial Nos. 627,018-20, published Oct. 14, 1952.
 Ceramic floor and wall tile. Gladding, McBean & Co. 569,014, Jan. 13; Serial No. 591,567, published Oct. 28, 1952.
 Fibrous cotton heat and sound insulating material. The Gilman Brothers Company. 569,318, Jan. 13; Serial No. 600,661.
 "Hardboard." Cascades Plywood Corporation. 569,175, Jan. 13; Serial No. 623,336, published Oct. 14, 1952.
 Lumber. Construction and finish lumber. Kogap Lumber Industries. 569,053, Jan. 13; Serial No. 605,660, published Oct. 14, 1952.
 Medicine cabinets of the recessed type for wall insertion. Farley Manufacturing Company. 569,999, Jan. 13; Serial No. 583,685, published Oct. 28, 1952.
 Metal weather-strips. Monarch Metal Weather Strip Company. 90,722, re-renewed Mar. 18, 1953. O. G. Jan. 13.
 Plaster and concrete aggregate. Zonolite Company. 569,162, Jan. 13; Serial No. 622,475, published Oct. 28, 1952.
 Plaster. Metal casting. United States Gypsum Company. 569,246, Jan. 13; Serial No. 628,310, published Oct. 28, 1952.
 Prefabricated building structures. J. T. Williams. 569,169, Jan. 13; Serial No. 622,966, published Oct. 14, 1952.
 Quarried granite, marble, onyx, etc. International Granite & Marble Corp. 569,124, Jan. 13; Serial No. 618,168, published Oct. 14, 1952.
 Roof cement, furnace cement, caulking compounds, etc. The Cussins and Fearn Company. 569,303, Jan. 13; Serial No. 552,581.
 Stamped metal ceilings, metal roofings, and eave troughs, etc. Klauer Manufacturing Company. 569,015, Jan. 13; Serial No. 592,373, published Oct. 28, 1952.
 Window sash, window frames, window molding, etc. R. E. Ottenheimer. 569,084, Jan. 13; Serial No. 612,756, published Oct. 28, 1952.
 Wood fibre board in panels and shapes. F. J. Raff. 569,279, Jan. 13; Serial No. 621,113.

CLASS 13

Staples, including fence staples, poultry netting staples, etc. The Colorado Fuel and Iron Company. 301,600, renewed Mar. 7, 1953. O. G. Jan. 13.

CLASS 14

High conductivity, heat resistant, creep resistant, bracing, and magnetic alloys; metal welding rods; ferrous and non-ferrous base casting, etc. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,100, published Nov. 27, 1951. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
 Steel. Hatcomb Steel Company. 300,970, renewed Feb. 14, 1953. O. G. Jan. 13.
 Tool-steel. Crucible Steel Company of America. 39,792, re-renewed Feb. 10, 1953. O. G. Jan. 13.

CLASS 15

Oil, Lubricating. E. R. Tolfree. 298,765, renewed Nov. 8, 1952. O. G. Jan. 13.
 Oil, Lubricating, and lubricating greases. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,101, published Oct. 16, 1951. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)

CLASS 16

Coal tar pitch emulsion used as a protective coating. Lancaster Chemical Corporation. 569,104, Jan. 13; Serial No. 616,713, published Oct. 14, 1952.

CLASS 17

Cigarettes. Brown & Williamson Tobacco Corporation. 300,817, renewed Feb. 7, 1953. O. G. Jan. 13.
 Cigarettes. P. Lorillard Company. 569,110, Jan. 13; Serial No. 617,508, published Oct. 14, 1952.
 Cigarettes and smoking tobacco. Fleming-Hall Tobacco Co., Inc. 569,075, Jan. 13; Serial No. 611,066, published Oct. 7, 1952.
 Cigars, cigarettes, and tobacco. Stephano Brothers. 302,023, renewed Mar. 21, 1953. O. G. Jan. 13.
 Tobacco, Smoking, and cigarettes. Larus & Brother Company. 569,219, Jan. 13; Serial No. 626,464, published Oct. 7, 1952.
 Tobacco, Smoking. United States Tobacco Company. 569,227, Jan. 13; Serial No. 626,842, published Oct. 14, 1952.

CLASS 18

Alkaline tablets. Reed & Carnrick. 301,974, renewed Mar. 21, 1953. O. G. Jan. 13.
 Antasthmatic rectal suppositories. The Smith-Dorsey Company. 569,034, Jan. 13; Serial No. 601,339, published Oct. 28, 1952.
 Anticonvulsant. American Cyanamid Company. 569,152, Jan. 13; Serial No. 621,493, published Sept. 30, 1952.
 Anticonvulsant. Imperial Chemical (Pharmaceuticals) Limited. 569,143, Jan. 13; Serial No. 620,216, published Oct. 28, 1952.
 Antimalarial preparation. American Cyanamid Company. 569,263, Jan. 13; Serial No. 633,646, published Oct. 28, 1952.
 Antiseptic dressing. G. C. Hanford Mfg. Company. 298,820, renewed Nov. 1, 1952. O. G. Jan. 13.
 Antiparasitic preparation. Cilag Aktiengesellschaft. 568,998, Jan. 13; Serial No. 582,274, published Sept. 30, 1952.
 Dermatological preparation. White Laboratories, Inc. 569,205, Jan. 13; Serial No. 625,839, published Oct. 28, 1952.
 Dibenzylethylenediamine diphenicillin. Wyeth Incorporated. 569,161, Jan. 13; Serial No. 622,473, published Oct. 28, 1952.
 Bottled fluid preparation for stimulating the appetite. E. F. Barrows. 569,145, Jan. 13; Serial No. 620,659, published Oct. 28, 1952.
 Diuretic and genito-urinary germicide. Judge & Dolph Pharmaceutical Company. 34,988, July 31, 1900. Re-published Jan. 13.
 Herb laxative. P. C. Bragg. 297,877, renewed Oct. 4, 1952. O. G. Jan. 13.
 Liver powder. La Compagnie Pharmaceutique Desbergers. 298,678, renewed Nov. 1, 1952. O. G. Jan. 13.
 Medical preparations. National Package Drugs, Inc. 569,107, Jan. 13; Serial No. 617,456, published Sept. 30, 1952.
 Medicated liquid skin cream. V. E. Meadows. 569,181, Jan. 13; Serial No. 623,898, published Oct. 28, 1952.
 Medicinal bitters and stomachic tonics. S. A. Felice Bieleri & Co. 569,108, Jan. 13; Serial No. 617,461, published Sept. 30, 1952.
 Medicinal preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 569,259, Jan. 13; Serial No. 631,539, published Oct. 21, 1952.
 Medicinal preparations. Kaylene, Limited. 297,805, renewed Oct. 4, 1952. O. G. Jan. 13.
 Ophthalmic preparation. The Upjohn Company. 569,262, Jan. 13; Serial No. 631,903, published Oct. 21, 1952.
 Oro-mucosal analgesic preparation. White Laboratories, Inc. 569,204, Jan. 13; Serial No. 625,840, published Oct. 28, 1952.
 Pharmaceutical preparation, Oral. The S. E. Massengill Company. 569,206, Jan. 13; Serial No. 626,094, published Oct. 28, 1952.
 Polyvinyl pyrrolidone. Schenley Laboratories, Inc. 569,242, Jan. 13; Serial No. 627,972, published Oct. 28, 1952.
 Preparation for animal feed supplementation. E. R. Squibb & Sons. 569,093, Jan. 13; Serial No. 614,267, published Oct. 28, 1952.
 Preparation for the relief of piles. Allied Products. 569,244, Jan. 13; Serial No. 628,085, published Oct. 28, 1952.
 Preparation for the relief of piles. I. Lichtenstein. 392,682, Jan. 6, 1942. Republished Jan. 13.
 Preparation for the treatment of anemia. Moffet Laboratories, Inc. 569,153, Jan. 13; Serial No. 621,630, published Sept. 30, 1952.

Preparation of amino acids, minerals, and vitamins. C. B. Fleet Company, Incorporated. 569,260, Jan. 13; Serial No. 631,731, published Oct. 21, 1952.
 Preparation of a steroid. G. W. Carnrick Co. 569,156, Jan. 13; Serial No. 621,942, published Sept. 30, 1952.
 Soporific medicine. La Compagnie Pharmaceutique Desbergers. 297,077, renewed Aug. 30, 1952. O. G. Jan. 13.
 Sulphur compound. Coastal Laboratories, Inc. 569,155, Jan. 13; Serial No. 621,867, published Oct. 28, 1952.
 Sulphurated ointment. The Denver Chemical Manufacturing Company. 569,163, Jan. 13; Serial No. 622,483, published Oct. 28, 1952.
 Tablets for making medicinal mouth wash solution. Baray Pharmaceutical Corporation. 569,082, Jan. 13; Serial No. 612,295, published Sept. 30, 1952.
 Therapeutic substance. Merck & Co., Inc. 569,220, Jan. 13; Serial No. 626,466, published Oct. 28, 1952.

CLASS 19

Airplane control surfaces. Northrop Aircraft, Inc. 569,057, Jan. 13; Serial No. 607,446, published Sept. 23, 1952.
 Automobile and parts thereof. Miniature racing. F. C. Robison. 569,026, Jan. 13; Serial No. 598,600, published Sept. 16, 1952.
 Automobile bodies. Hudson Motor Car Company. 569,049, Jan. 13; Serial No. 604,367, published Sept. 16, 1952.
 Automobile seat covers. The Abel Corporation. 569,042, Jan. 13; Serial No. 603,032, published Sept. 16, 1952.
 Box cars and refrigeration cars. Pressed Steel Car Company, Inc. 569,050, Jan. 13; Serial No. 604,595, published Sept. 16, 1952.
 Cellophane sheets for application to the inside surface of automobile windows. Beverly Manufacturing Company. 569,323, Jan. 13; Serial No. 610,735.
 Cruisers, Inboard powered. M. M. Davis & Son, Incorporated. 569,316, Jan. 13; Serial No. 597,068.
 Motor boats and sails. Sailing and outboard. J. J. Szakacs. 569,052, Jan. 13; Serial No. 605,273, published Sept. 16, 1952.

CLASS 20

Oilcloth. Columbus Coated Fabrics Corporation. 569,085, Jan. 13; Serial No. 612,791, published Oct. 7, 1952.

CLASS 21

Electric fuses, renewable fuses, renewable fuse casings and links. The McGraw Electric Company. 569,307, Jan. 13; Serial No. 574,447.
 Electric welding apparatus and parts thereof. National Cylinder Gas Company. 569,304, Jan. 13; Serial No. 561,851.
 Electrical apparatus, supplies and parts thereof. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 605,542, published Sept. 16, 1952. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
 Electrical sound recording and reproducing systems and apparatus. Voice Incorporated. 569,290, Jan. 13; Serial No. 625,645.
 Heater, light and fan combination units. Electric. NuTone, Inc. 569,332, Jan. 13; Serial No. 614,213.
 Lamps, Electric. Adjustable Fixture Co. 569,314, Jan. 13; Serial No. 594,513.
 Solenoid control valve attachment. Minnesota Automotive, Inc. 569,322, Jan. 13; Serial No. 605,319.

CLASS 22

Casting bobbins. O. Mohler. 569,330, Jan. 13; Serial No. 613,599.
 Toy. Hand-manipulation. Childhood Interests, Inc. 569,300, Jan. 13; Serial No. 631,912.
 Toy telephone switchboard. Kamkap, Inc. 569,287, Jan. 13; Serial No. 624,835.

CLASS 23

Air compressors. Ritter Company, Inc. 569,144, Jan. 13; Serial No. 620,525, published Sept. 30, 1952.
 Automatic self-bucking riveter. Ingersoll-Rand Company. 569,106, Jan. 13; Serial No. 617,442, published Sept. 16, 1952.
 Ball and roller bearings. The Green Ball Bearing Co. 569,315, Jan. 13; Serial No. 595,540.
 Grinding and milling tools; arbors; milling cutters; etc. Precise Products Company. 568,991, Jan. 13; Serial No. 576,553, published Sept. 30, 1952.
 Gummed tape dispensing machines. Marsh Stencil Machine Company. 569,312, Jan. 13; Serial No. 589,583.
 Hectographic duplicating machines. Master Addresser Company. 568,994, Jan. 13; Serial No. 580,733, published Sept. 16, 1952.
 Hoists. Gar Wood Industries, Inc. 569,063, Jan. 13; Serial No. 612,370, published Sept. 30, 1952.
 Hydraulic power transmission coupling and connected planetary gear set. Twin Disc Clutch Company. 569,036, Jan. 13; Serial No. 601,964, published Sept. 30, 1952.
 Machinery. Oliver Machinery Company. 568,982, Jan. 13; Serial No. 563,984, published Sept. 30, 1952.
 Mechanical dispensers. Alwin Manufacturing Company. 569,129, Jan. 13; Serial No. 618,523, published Sept. 16, 1952.

Mechanical vacuum pumps, aircraft engines, gear reduction driving units, etc. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,102, published Mar. 25, 1952. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
 Mechanically operated packaging machinery. Pneumatic Scale Corporation, Limited. 569,023, Jan. 13; Serial No. 597,863, published Oct. 7, 1952.
 Pipe coating and wrapping machines, bending machines, cleaning machines, etc. Crutcher-Rolfs-Cummings, Inc. 569,020, Jan. 13; Serial No. 596,395, published Oct. 7, 1952.
 Razors, Electric. Galt Products Company. 569,013, Jan. 13; Serial No. 591,079, published Sept. 30, 1952.
 Rebuilt automobile engines. American Automobile Company. 568,969, Jan. 13; Serial No. 573,699, published Sept. 16, 1952.
 Reciprocating slush pumps, slush pump liners, slush pump valves, etc. Mission Manufacturing Company. 569,271, Jan. 13; Serial No. 620,614.
 Scissors, shears, pen knives, etc. M. Langhaus. 569,047, Jan. 13; Serial No. 603,742, published Sept. 30, 1952.
 Sewing machine needles, embroidering machine needles, bookbinding machine needles, etc. L. Lammertz. 569,053, Jan. 13; Serial No. 600,404, published Sept. 30, 1952.
 Sewing machines. Southwestern Sewing Equipment Corporation. 569,282, Jan. 13; Serial No. 622,833.
 Snow plow, Hand-operable, motor-driven. The Brady Tractor and Implement Company. 569,174, Jan. 13; Serial No. 623,332, published Sept. 30, 1952.
 Staple-feeding hammers and tackers. The E. H. Hotchkiss Company. 569,308, Jan. 13; Serial No. 575,329.
 Tools, Carbide cutting. Kennametal Inc. 569,164, Jan. 13; Serial No. 622,501, published Sept. 16, 1952.
 Water motors and portable hand fire extinguishers. Globe Automatic Sprinkler Company. 301,070, renewed Mar. 7, 1953. O. G. Jan. 13.
 Well-boring plants. The Oil Well Engineering Company, Ltd. 284,247, June 23, 1931. Corrected. O. G. Jan. 13.

CLASS 24

Ironing machines and parts thereof. Electric, laundry washing machines and parts thereof, etc. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,103, published Nov. 27, 1951. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)

CLASS 25

High sensitivity high speed recorders, recorders, etc. Leeds and Northrup Company. 204,809, June 7, 1932. Republished Jan. 13.
 Meters, Electric, and measuring instruments. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,097, published Dec. 4, 1951. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)
 Rulers, calculating rules, squares, etc. A. W. Faber, Inc. 301,698-9, renewed Mar. 14, 1953. O. G. Jan. 13.

CLASS 27

Kits from which electric clocks may be assembled. Hart-Fargo Industries, Inc. 569,311, Jan. 13; Serial No. 588,438.
 Watches. Benrus Watch Company, Inc. 569,190, Jan. 13; Serial No. 624,811, published July 1, 1952.
 Watches. The Shaw-Rogers Company. 569,180, Jan. 13; Serial No. 623,736, published Sept. 30, 1952.
 Watches, clocks and parts thereof, etc. S. Rodman Sons. 569,270, Jan. 13; Serial No. 619,646.
 Watches, Gold, silver, and platinum. Savoy Watch Co., Inc. 335,160, May 26, 1936. Republished Jan. 13.
 Watches, Gold, silver, and platinum. Savoy Watch Co., Inc. 344,657, Mar. 30, 1937. Republished Jan. 13.
 Watches, Ladies' and men's wrist, pocket watches, and household clocks, etc. Henry Coehler Co., Inc. 569,210, Jan. 13; Serial No. 620,150, published, Sept. 30, 1952.
 Watches, watchcases, watch movements and parts thereof. Savoy Watch Co., Inc. 234,239, Oct. 18, 1927. Republished Jan. 13.
 Watches, watchcases, watch movements, etc. Savoy Watch Co., Inc. 188,608, Sept. 2, 1924. Republished Jan. 13.

CLASS 28

Jewelry. Stein & Ellbogen Company. 569,341, Jan. 13; Serial No. 618,521.

CLASS 29

Brushes, Paint. International Paint Company, Inc. 569,248-50, Jan. 13; Serial Nos. 628,628-30, published Oct. 21, 1952.
 Dusting cloths and mops. J. Parmet. 569,317, Jan. 13; Serial No. 599,776.
 Paint applicators. The Wooster Brush Company. 569,326, Jan. 13; Serial No. 612,861.
 Toothbrushes. Caladent Company, Inc. 270,961, May 20, 1930. Republished Jan. 13.
 Toothbrushes. Lactona Incorporated. 569,002, Jan. 13; Serial No. 584,410, published Oct. 21, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 30

China and earthenware plates, saucers, cups, etc. Federated Department Stores, Inc. 569,191, Jan. 13; Serial No. 624,823, published Sept. 30, 1952.
China dinnerware, bowls, and plates. Southern Pottery, Inc. 569,166-7, Jan. 13; Serial Nos. 622,729-30, published Sept. 23, 1952.
Dinnerware. Stetson China Co., Inc. 569,077, Jan. 13; Serial No. 611,586, published Sept. 23, 1952.

CLASS 31

Refrigerators and parts therefor. Electric commercial, electric household refrigerators and parts therefor, etc. Westinghouse Electric Corporation. 569,087, Jan. 13; Serial No. 606,104, published Nov. 6, 1951. (Consolidated certificate, Classes 2, 3, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)

CLASS 32

Beds, bed springs, mattresses, box springs, etc. The Rome Company, Inc. 291,992, Mar. 1, 1932. Republished Jan. 13.
Chairs, rattan, sofas, tables, etc. Cadwallader Pacific Company. 569,061, Jan. 13; Serial No. 607,791, published Oct. 14, 1952.

Furniture, articles of. Knoll Associates, Inc. 569,109, Jan. 13; Serial No. 617,502, published Oct. 28, 1952.
Mattresses and box springs. Sealy, Incorporated. 569,105, Jan. 13; Serial No. 616,874, published Oct. 14, 1952.
Merchandising display and storage cabinet. Kentile, Inc. 569,131, Jan. 13; Serial No. 619,087, published Oct. 14, 1952.

CLASS 33

Glass carafes. McKee Glass Company. 569,046, Jan. 13; Serial No. 603,488, published Oct. 7, 1952.
Glasses, drinking. Bernard Creations, Ltd. 569,102, Jan. 13; Serial No. 616,821, published Sept. 23, 1952.
Receptacles such as flasks, bottles, tumblers, etc. D. O. Guth. 569,301, Jan. 13; Serial No. 498,765.

CLASS 34

Heating, lighting and ventilating apparatus, supplies and parts therefor. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,103, published Sept. 23, 1951. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)

CLASS 35

Brake linings. Thermoid Rubber Company. 301,992, renewed Mar. 21, 1953. O. G. Jan. 13.
Gaskets. Victor Manufacturing & Gasket Co. 298,727, renewed Nov. 1, 1952. O. G. Jan. 13.
Linings for brake shoes and brake bands. J. R. Fouts. 420,712, Apr. 30, 1946. Republished Jan. 13.

CLASS 36

Pianos. The John Church Company. 89,925, re-renewed Jan. 21, 1953. O. G. Jan. 13.

CLASS 37

Expanding files, expanding envelopes, file pockets, etc. The Cooke & Cobb Company. 302,027, renewed Mar. 21, 1953. O. G. Jan. 13.
Nib points for dip pens. Gregory Fount-O-Ink Company. 569,302, Jan. 13; Serial No. 624,456.
Paper canvas, artists'. Bientang Paper Company, Inc. 569,337, Jan. 13; Serial No. 618,020.
Paper caution signals. Printed. E. Greene. 296,907, renewed Aug. 30, 1952. O. G. Jan. 13.
Paper, mimeograph, and duplicating paper. Gregon Pulp and Paper Company. 569,204, Jan. 13; Serial No. 628,006.
Paper, writing and printing. Strathmore Paper Company. 297,916, renewed Oct. 4, 1952. O. G. Jan. 13.
Pens, fountain pens, and pencil cases. Montmore Manufacturing Company Limited. 297,938, renewed Oct. 4, 1952. O. G. Jan. 13.
Protective sheets of paper. R. E. Henry. 569,340, Jan. 13; Serial No. 618,165.

CLASS 38

Books, children's. R. J. Moore. 569,147, Jan. 13; Serial No. 621,160, published Oct. 14, 1952.
Bulletins and literature, technical and promotional. Rail Steel Bar Association. 569,072, Jan. 13; Serial No. 610,633, published Oct. 14, 1952.
Comic strip, daily and Sunday. The McNaught Syndicate, Inc. 569,223, Jan. 13; Serial No. 628,632, published Oct. 14, 1952.
Comic strips. NEA Service, Inc. 569,160, Jan. 13; Serial No. 622,220, published Oct. 14, 1952.
Imprints representing currency or value. American Bank Note Company. 569,003, Jan. 13; Serial No. 585,623, published Oct. 7, 1952.
Imprints representing currency or value. American Bank Note Company. 569,004, Jan. 13; Serial No. 585,625, published Oct. 7, 1952.
Magazine, weekly. The Post Printing and Publishing Company. 569,078, Jan. 13; Serial No. 611,915, published Sept. 30, 1952.

Pamphlets and booklets. Donald Barry Productions, Inc. 569,120, Jan. 13; Serial No. 617,856, published Oct. 14, 1952.

Periodical. Air Facts, Inc. 569,177, Jan. 13; Serial No. 623,447, published Oct. 14, 1952.

Periodical publication section. The Irving-Cloud Publishing Company. 569,128, Jan. 13; Serial No. 618,432, published Oct. 14, 1952.

Periodicals. The Colony Broadcasting Corporation. 569,172, Jan. 13; Serial No. 623,238, published Oct. 14, 1952.

Publication. W. D. Cabell. 569,196, Jan. 13; Serial No. 625,330, published Sept. 30, 1952.

Publication. Fraternal Order of Police. 568,983, Jan. 13; Serial No. 567,254, published Oct. 14, 1952.

Publication. Periodical. Rice Barton Corporation. 569,139, Jan. 13; Serial No. 619,916, published Oct. 14, 1952.

Publications. Monsanto Chemical Company. 569,207, Jan. 13; Serial No. 626,103, published Oct. 14, 1952.

Publications, periodical. The 29th Division Association, Inc. 297,874, renewed Oct. 4, 1952. O. G. Jan. 13.

Trading stamps. Northern Premium Stamp Company. 569,189, Jan. 13; Serial No. 624,564, published Oct. 7, 1952.

CLASS 39

Boots and shoes, leather. L. A. Crossett. 30,060, re-renewed Oct. 21, 1952. O. G. Jan. 13.

Boots, shoes, and slippers. A. S. Beck Shoe Corporation. 303,684, June 8, 1933. Republished Jan. 13.

Brassieres. The H. W. Gossard Co. 569,118, Jan. 13; Serial No. 617,754, published Oct. 21, 1952.

Brassieres. United Mills Corporation. 569,243, Jan. 13; Serial No. 627,988, published Oct. 21, 1952.

Clothing, infants'. Simplifold Manufacturing Co., Inc. 569,011, Jan. 13; Serial No. 590,186, published Oct. 21, 1952.

Coats and suits, ladies'. Courtshire Fashions, Inc. 569,199, Jan. 13; Serial No. 625,717, published Oct. 21, 1952.

Coats and suits, women's. Edelson & Sons, Inc. 569,193, Jan. 13; Serial No. 625,062, published Oct. 21, 1952.

Corsets, girdles, foundation garments, etc., ladies'. Tru Balance Corsets, Inc. 569,094, Jan. 13; Serial No. 614,673, published Oct. 21, 1952.

Dresses, frocks and blouses, women's, misses', and junior misses'. Alex Caraffol, Inc. 558,184, Apr. 29, 1952. Amended. O. G. Jan. 13.

Dresses, housedresses, aprons, etc. Modern Manufacturing Co., Inc. 569,138, Jan. 13; Serial No. 619,844, published Oct. 21, 1952.

Footwear. Mishawaka Rubber and Woolen Manufacturing Company. 568,980, Jan. 13; Serial No. 544,892, published Oct. 21, 1952.

Garment belts. Krasnow Belt Co., Inc. 569,342, Jan. 13; Serial No. 618,805.

Girdles, panty girdles, etc., ladies' and misses'. Nimmies, Inc. 569,200, Jan. 13; Serial No. 625,754, published Oct. 21, 1952.

Hats, women's. R. H. Macy & Co. 299,938, renewed Jan. 3, O. G. Jan. 13.

Hose, ladies' and misses'. Plee-Zing, Inc. 569,221, Jan. 13; Serial No. 626,470, published Oct. 21, 1952.

Hosiery. A. S. Beck Shoe Corporation. 358,670, July 19, 1938. Republished Jan. 13.

Hosiery. Tenn-Rock Hosiery Co. 569,213, Jan. 13; Serial No. 626,181, published Oct. 21, 1952.

Hosiery and underwear. Strutwear Knitting Company. 299,048, renewed Nov. 22, 1952. O. G. Jan. 13.

Hosiery, ladies'. Millway Knitting Mill, Inc. 569,040, Jan. 13; Serial No. 602,464, published Oct. 21, 1952.

Hosiery, ladies'. Pous Full Fashion Mills, Inc. 569,280, Jan. 13; Serial No. 621,728.

Hosiery, ladies' and misses'. Armstrong-Hibbetts & Co. 569,126, Jan. 13; Serial No. 618,226, published Oct. 21, 1952.

Hosiery, women's. Burlington Mills Corporation. 569,135, Jan. 13; Serial No. 619,533, published Oct. 21, 1952.

Hosiery, women's. Burlington Mills Corporation. 569,171, Jan. 13; Serial No. 623,235, published Sept. 30, 1952.

Hosiery, women's. Loveman, Berger & Teitelbaum, Inc. 569,017, Jan. 13; Serial No. 593,731, published Oct. 21, 1952.

Jeans, Western; men's waist overalls; men's bib overalls, etc. Zion's Cooperative Mercantile Institution. 569,170, Jan. 13; Serial No. 623,099, published Oct. 21, 1952.

Maternity girdles, maternity belts, and maternity corsets. The Nu-Lift Company, Inc. 569,005, Jan. 13; Serial No. 586,058, published Oct. 21, 1952.

Outer shirts and head scarves, girls'. Girl Scouts of The United States of America. 569,073, Jan. 13; Serial No. 610,683, published Oct. 21, 1952.

Outerwear, ladies' and misses'. Leeds Ltd. Coats, Inc. 569,218, Jan. 13; Serial No. 626,331, published Oct. 21, 1952.

Outerwear, ladies', misses' and girls' knitted. Lofties Knitting Mills, Inc. 569,297, Jan. 13; Serial No. 630,139.

Outerwear, men's, boys', women's, girls' and children's. MacLaren Sportswear Corp. 569,293, Jan. 13; Serial No. 627,756.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Pajamas. The Euro Shirt Company, Inc. 301,431, renewed Feb. 28, 1953. O. G. Jan. 13.

Pajamas; gymnasium, sports, and play suits. Levi-Ottensheimer Company. 297,587, renewed Sept. 20, 1952. O. G. Jan. 13, 1953.

Shirts and neckties, men's and boys'. MacLaren Sports wear Corp. 569,291, Jan. 13; Serial No. 627,267.

Shirts, men's and boys' work, dress, and negligee. The Shirts Craft Company, Inc. 569,334, Jan. 13; Serial No. 616,055.

Shirts, sport. The Shirts Craft Company, Inc. 569,295, Jan. 13; Serial No. 628,722.

Shoe soles. Cro-Cord Rubber Company. 569,062, Jan. 13; Serial No. 608,207, published Oct. 21, 1952.

Shoe soles, rubber composition. United States Rubber Company. 569,173, Jan. 13; Serial No. 623,264, published Oct. 21, 1952.

Shoes. The H. C. Codman Company. 568,986, Jan. 13; Serial No. 567,778, published Oct. 21, 1952.

Shoes. A. Sandler Co. 569,208, Jan. 13; Serial No. 626,122, published Oct. 21, 1952.

Shoes and slippers, men's and women's. A. S. Beck Shoe Corporation. 362,282, Nov. 15, 1938. Republished Jan. 13.

Shoes and slippers, men's and women's. A. S. Beck Shoe Corporation. 399,711, Jan. 26, 1943. Republished Jan. 13.

Shoes, boys' and girls'. M. Glick. 569,178, Jan. 13; Serial No. 623,458, published Oct. 21, 1952.

Shoes, children's. Herbat Shoe Manufacturing Company. 569,056, Jan. 13; Serial No. 606,657, published Oct. 21, 1952.

Shoes, children's, misses', and ladies'. J. Edwards & Co., Inc. 299,941, renewed Jan. 3, 1953. O. G. Jan. 13.

Shoes, ladies'. Palter De Liao, Inc. 569,201, Jan. 13; Serial No. 625,755, published Oct. 21, 1952.

Shoes, ladies' and misses'. Modiste Shoes, Inc. 569,188, Jan. 13; Serial No. 624,558, published Oct. 21, 1952.

Shoes, men's. The Associated Merchandising Corporation. 569,159, Jan. 13; Serial No. 622,192, published Oct. 21, 1952.

Shoes, men's. Worcester Shoe Company. 569,007, Jan. 13; Serial No. 587,520, published Oct. 21, 1952.

Shoes, sandals, and slippers, men's and women's. John Flautt Shoe Co., Inc. 569,192, Jan. 13; Serial No. 624,881, published Oct. 21, 1952.

Shoes, women's. Apt Shoe Mfg. Co. 569,217, Jan. 13; Serial No. 626,288, published Oct. 21, 1952.

Slipper socks, ladies' and children's. Alex Lee Waitau, Inc. 569,176, Jan. 13; Serial No. 623,443, published Oct. 21, 1952.

Slippers, house. S. Goldberg & Co., Inc. 569,215, Jan. 13; Serial No. 626,241, published Oct. 21, 1952.

Slippers, ladies'. Pearl-Preview Shoe Co. 569,051, Jan. 13; Serial No. 605,230, published Oct. 21, 1952.

Sportswear, ladies', misses' and girls'. Kitty Lane Blouse Co., Inc. 569,197, Jan. 13; Serial No. 625,356, published Oct. 21, 1952.

Stockings, ladies'. Comptoir de l'Industrie Cotonniere, Société à Responsabilité Limitée. 569,038, Jan. 13; Serial No. 602,021, published Oct. 21, 1952.

Suits, coats, dresses, blouses, etc., ladies', misses', men's and boys'. Siegel-Shulman, Inc. 569,298-9, Jan. 13; Serial No. 630,516-17.

Suits, women's. Lill Ann Corp. 569,214, Jan. 13; Serial No. 626,210, published Oct. 21, 1952.

Sweaters and hosiery. Hallantyne of Peebles, Incorporated. 569,127, Jan. 13; Serial No. 618,336, published Oct. 21, 1952.

Top lifts for shoes, leather. United Leather Shoe Trimmings Company. 569,069, Jan. 13; Serial No. 610,151, published Oct. 21, 1952.

Underwear, ladies'. M. Miller. 569,285, Jan. 13; Serial No. 623,472.

Underwear, women's. Fountain Hill Underwear Mills. 569,238, Jan. 13; Serial No. 627,740, published Oct. 21, 1952.

Union suits, knit athletic, and athletic shirts. Waterville Textile Mills, Inc. 568,993, Jan. 13; Serial No. 580,271, published Oct. 21, 1952.

Vests, ladies' sleeveless button. Thurman Manufacturing Company. 569,012, Jan. 13; Serial No. 590,193, published Oct. 21, 1952.

Wearing apparel, knitted and woven. Hecht & Blern Inc. 569,216, Jan. 13; Serial No. 626,247, published Oct. 21, 1952.

Wearing apparel, men's and boys'. David D. Doniger & Co., Inc. 569,274, Jan. 13; Serial No. 620,840.

CLASS 40

Bust pads. Malden Form Brassiere Co., Inc. 569,154, Jan. 13; Serial No. 621,831, published Aug. 26, 1952.

CLASS 42

Blankets, textile rugs, bedspreads, etc. Mercantile Stores Company, Inc. 569,000, Jan. 13; Serial No. 583,763, published Oct. 21, 1952.

Curtains, shower, and matching window drapes. Para Manufacturing Co., Inc. 569,240, Jan. 13; Serial No. 627,709, published Oct. 21, 1952.

Fabric, seamless tubular woven cotton. Philadelphia Felt Company. 569,258, Jan. 13; Serial No. 631,021, published Oct. 21, 1952.

Fabrics, cotton broadcloth. Brown & Ackerman, Inc. 569,033, Jan. 13; Serial No. 601,195, published Oct. 21, 1952.

Fabrics in the piece, textile. D. B. Fuller & Co., Inc. 569,257, Jan. 13; Serial No. 631,002, published Oct. 21, 1952.

Fabrics, textile. N. V. J. Elias, Inc. 569,032, Jan. 13; Serial No. 601,140, published Sept. 18, 1951.

Fabrics, textile. Weiner & Bauer, Inc. 569,039, Jan. 13; Serial No. 602,115, published May 6, 1952.

Nets and veillings. John Heathcoat & Co. 89,747, re-renewed Jan. 7, 1953. O. G. Jan. 13.

Piece goods. United Merchants and Manufacturers, Inc. 569,325, Jan. 13; Serial No. 612,771.

Piece goods, woolen. Forstmann Woolen Co. 569,136, Jan. 13; Serial No. 619,617, published June 10, 1952.

Pot-holders. C. C. Wilm. 569,121, Jan. 13; Serial No. 617,898, published Oct. 21, 1952.

Ribbons in hanks and ribbons in the piece. Wavedge Ribbons, Inc. 569,272, Jan. 13; Serial 620,634.

Rugs, woven. Chenille Rug Company. 569,292, Jan. 13; Serial No. 627,381.

Table pads. Vivitex Corporation. 569,328, Jan. 13; Serial No. 613,273.

Textile goods. C. M. De Land. 569,060, Jan. 13; Serial No. 607,739, published Oct. 21, 1952.

Textile tissues. Stichting Holland Weavers Guild (Foundation Holland Weavers Guild). 569,321, Jan. 13; Serial No. 603,262.

Woven filter cloth. The National Filter Media Corporation. 569,236, Jan. 13; Serial No. 627,390, published Oct. 21, 1952.

CLASS 43

Yarn. Oregon Worsted Company. 569,284, Jan. 13; Serial No. 623,427.

Yarn, 100% wool; and yarn composed of wool and synthetic fibres. Amicale Yarns, Inc. 568,995, Jan. 13; Serial No. 581,234, published Oct. 21, 1952.

Yarns, cotton. Robert Marland & Co., Limited. 89,480, re-renewed Dec. 17, 1952. O. G. Jan. 13.

Yarns, wool rug. Bernard Ulmann Co., Inc. 569,027, Jan. 13; Serial No. 598,874, published July 8, 1952.

CLASS 44

X-ray apparatus and parts therefor. Westinghouse Electric Corporation. 569,067, Jan. 13; Serial No. 606,106, published Oct. 9, 1951. (Consolidated certificate, Classes 2, 5, 14, 15, 21, 23, 24, 26, 31, 34, and 44.)

CLASS 45

Soft drinks, carbonated, maltless. Blackhawk Bottling Co. 568,984-5, Jan. 13; Serial Nos. 567,751-2, published Nov. 6, 1951.

Soft drinks, non-alcoholic maltless, and syrups for making same. Reymor & Brothers, Incorporated. 569,310, Jan. 13; Serial No. 580,323.

CLASS 46

Apples, baked, cherries, citron, etc. The Hilla Brothers Company. 569,096-7, Jan. 13; Serial Nos. 615,064-5, published Oct. 21, 1952.

Apples, fresh. Dixie Advertisers. 569,116, Jan. 13; Serial No. 617,651, published Oct. 14, 1952.

Bacon, hams, skinned hams, etc. The Rath Packing Company. 69,699, re-renewed Dec. 31, 1952. O. G. Jan. 13.

Baked goods, Italian style. M. B. Manna. 569,132, Jan. 13; Serial No. 619,252, published Oct. 21, 1952.

Bakery goods. The E. H. Koester Bakery Company. 569,089-90, Jan. 13; Serial Nos. 613,920-1, published Sept. 23, 1952.

Blueberries, fresh cultivated. Michigan Blueberry Growers Association. 569,327, Jan. 13; Serial No. 613,014.

Box lunches. The Ace Fooda, Inc. 568,977, Jan. 13; Serial No. 536,978, published Oct. 21, 1952.

Bread product, wafer or biscuit-type. S. Klein. 569,286, Jan. 13; Serial No. 624,491.

Candies. The O. P. Raur Confectionery Company. 569,309, Jan. 13; Serial No. 576,897.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Canned baked beans. Burnham & Morrill Company. 569,091, Jan. 13; Serial No. 614,196, published Oct. 21, 1952.

Canned shad. Columbia River Packers Association, Inc. 569,228-9, Jan. 13; Serial Nos. 626,980-1, published Oct. 21, 1952.

Canned unsweetened pineapple juice, heavy syrup crushed pineapple, extra heavy syrup pineapple tidbits, etc. Donald L. Reed and Company. 569,028, Jan. 13; Serial No. 599,452, published Mar. 18, 1952.

Canned vegetable juice cocktail, coffee, tea, etc. Webster-Thomas Company. 569,063, Jan. 13; Serial No. 608,390, published Oct. 21, 1952.

Canned vegetables. Milford Canning Company. 569,235, Jan. 13; Serial No. 627,395, published Oct. 21, 1952.

Canned vegetables and canned fish. Piggly Wiggly Corporation. 297,647, renewed Sept. 20, 1952. O. G. Jan. 13.

Canned vegetables, canned fruits, canned seafoods, etc. Griggs, Cooper & Company. 569,016, Jan. 13; Serial No. 592,480, published Mar. 25, 1952.

Carcass beef and lamb. American Stores Company. 569,043-4, Jan. 13; Serial Nos. 603,144-5, published Sept. 23, 1952.

Cheese. C. J. Berat & Co. 569,041, Jan. 13; Serial No. 602,997, published Oct. 21, 1952.

Cheese. F. Cappiello. 569,137, Jan. 13; Serial No. 619,737, published Oct. 7, 1952.

Cheese flavored potato and tapioca product. Deep fried. Adams Corporation, Korn Kuris Division. 569,045, Jan. 13; Serial No. 603,347, published Oct. 7, 1952.

Chewing gum. Frank H. Fleer Corporation. 297,859, renewed Oct. 4, 1952. O. G. Jan. 13.

Chewing gum, candy coated. U. S. Chewing Gum Mfg. Co. 569,324, Jan. 13; Serial No. 612,670.

Chocolate. Martha Washington Candies Company. 299,831, renewed Dec. 27, 1952. O. G. Jan. 13.

Compound of pure lard, edible beef fat, and cotton-seed oil. Armstrong Packing Company. 87,404, re-renewed July 18, 1952. O. G. Jan. 13.

Cookies. Zion Industries, Inc. 569,277, Jan. 13; Serial No. 620,985.

Cookies and vitamin fortified cookies. The Vita-Food Corporation. 569,019, Jan. 13; Serial No. 590,124, published Oct. 7, 1952.

Cottonseed oil, pure. The Capital City Products Company. 569,979, Jan. 13; Serial No. 542,814, published Oct. 21, 1952.

Dairy products. Knudsen Creamery Co. of California. 569,070, Jan. 13; Serial No. 611,434, published Sept. 23, 1952.

Dietary material used for modifying milk. Burroughs Wellcome & Co. (U. S. A.) Inc. 297,524, renewed Sept. 20, 1952. O. G. Jan. 13.

Eggs, fresh, frozen eggs, dried eggs, etc. Pioneer Hi-Bred Corn Company. 569,008, Jan. 13; Serial No. 587,907, published June 3, 1952.

Eggs, shell, and frozen. Stuelpnagel's Inc. 569,103, Jan. 13; Serial No. 616,650, published Sept. 23, 1952.

Farm produce. D. D. Buell. 569,087, Jan. 13; Serial No. 613,437, published Oct. 21, 1952.

Feeds, animal. Feed Service Corporation. 569,141, Jan. 13; Serial No. 620,096, published Oct. 21, 1952.

Fish, frozen. Safeway Stores, Incorporated. 569,123, Jan. 13; Serial No. 618,129, published Oct. 7, 1952.

Fish, frozen, frozen fish fillets, smoked fish, etc. San Juan Fishing & Packing Co. 569,245, Jan. 13; Serial No. 628,299, published Oct. 21, 1952.

Flour. Pillsbury Flour Mills Company. 334,119, Apr. 21, 1936. Republished Jan. 13.

Flour, cake, and wheat flour. Pillsbury Flour Mills Company. 298,293, renewed Oct. 18, 1952. O. G. Jan. 13.

Flour preparation, seasoned. Sea Hunter Mfg. Co., Inc. 569,031, Jan. 13; Serial No. 600,773, published Sept. 23, 1952.

Flour, soy bean, kaffir tea, self-rising gluten flour, etc. The Battle Creek Food Company. 569,066, Jan. 13; Serial No. 610,000, published Sept. 23, 1952.

Flour, wheat. Duluth Universal Milling Company. 569,059, Jan. 13; Serial No. 607,664, published June 3, 1952.

Flour, wheat, and coffee. Francis H. Leggett & Company. 569,024, Jan. 13; Serial No. 598,024, published Oct. 21, 1952.

Food, bird. J. Berger. 569,058, Jan. 13; Serial No. 607,479, published Oct. 21, 1952.

Food, cat. Usen Canning Co. 569,276, Jan. 13; Serial No. 620,981.

Food, dog. Orleans Canning Company. 569,205, Jan. 13; Serial No. 626,044, published Oct. 21, 1952.

Food, dog and cat. The Oakford Company. 569,237, Jan. 13; Serial No. 627,638, published Oct. 21, 1952.

Food emulsifiers. Atlas Powder Company. 569,030, Jan. 13; Serial No. 600,715, published Oct. 7, 1952.

Food formula, powdered. Wyeth Incorporated. 569,149, Jan. 13; Serial No. 621,296, published Sept. 23, 1952.

Food product, dehydrated. The Nestlé Company, Inc. 569,099, Jan. 13; Serial No. 615,393, published Oct. 7, 1952.

Food products. W. W. Dickey. 569,086, Jan. 13; Serial No. 613,053, published Oct. 21, 1952.

Fruits, fresh citrus. Lindsay Farm Bureau Fruit Assn. 301,721, renewed Mar. 14, 1953. O. G. Jan. 13.

Fruits, fresh citrus. James Macchiaroli Fruit Co. 569,239, Jan. 13; Serial No. 627,755, published Oct. 21, 1952.

Fruits, fresh citrus, fresh deciduous fruits, fresh vegetables, etc. Randolph Marketing Company. 192,135, Nov. 25, 1924. Republished Jan. 13.

Fruits, fresh citrus, fresh vegetables, and grapes. Hall, Haas & Vessey, Ltd. 569,198, Jan. 13; Serial No. 625,419, published Sept. 23, 1952.

Fruits, fresh deciduous, and fresh grapes. F. Balkin, Jr. 569,157, Jan. 13; Serial No. 622,083, published Sept. 23, 1952.

Fruits, fresh deciduous, fresh citrus fruits, fresh grapes, etc. V. Slayman. 569,254, Jan. 13; Serial No. 629,129, published Oct. 21, 1952.

Grains, dried brewers. Farmers Feed Company. 569,037, Jan. 13; Serial No. 601,986, published Oct. 21, 1952.

Grits, creamy. Pen Argyl Milling Co., Inc. 569,289, Jan. 13; Serial No. 625,819.

Ice cream. The Kerr Ice Cream Company. 389,798, Aug. 10, 1941. Republished Jan. 13.

Macaroni, toasted. Golden Rich Foods, Inc. 569,234, Jan. 13; Serial No. 627,386, published Oct. 21, 1952.

Milk cream, dried and powdered cows'. M & R Dietetic Laboratories, Inc. 569,186, Jan. 13; Serial No. 624,344, published June 24, 1952.

Milk solids, nonfat dry. Safeway Stores, Incorporated. 569,338, Jan. 13; Serial No. 618,130.

Mustard, German style. Ingelboller Foods Inc. 569,179, Jan. 13; Serial No. 623,513, published Sept. 23, 1952.

Oleomargarine. Osceola Foods, Inc. 569,252, Jan. 13; Serial No. 628,864, published Oct. 21, 1952.

Oleomargarine. Standard Brands Incorporated. 569,025, Jan. 13; Serial No. 598,213, published Oct. 21, 1952.

Olive oil. Acetles Ban, S. A. 568,981, Jan. 13; Serial No. 581,705, published Sept. 23, 1952.

Olive, fruit preserves, jams, etc. Griggs, Cooper & Company. 569,130, Jan. 13; Serial No. 618,963, published Oct. 7, 1952.

Oysters, fresh, and fresh crab meat. J. F. H. Brinsfield. 569,048, Jan. 13; Serial No. 604,117, published Oct. 21, 1952.

Pancake mixes. Nebraska Consolidated Mills Company. 569,009, Jan. 13; Serial No. 590,098, published Sept. 23, 1952.

Peanut butter; mayonnaise; sandwich spread, etc. Southeastern Foods, Inc. 569,134, Jan. 13; Serial No. 619,522, published Sept. 23, 1952.

Peanuts, shelled. De Leon Peanut Company. 300,391, renewed Jan. 17, 1953. O. G. Jan. 13.

Pickles. Fanning Bread and Butter Pickle Company, Inc. 300,737, renewed Feb. 7, 1953. O. G. Jan. 13.

Pickles. J. J. Gielow & Sons, Inc. 569,001, Jan. 13; Serial No. 584,194, published Oct. 7, 1952.

Popcorn, raw. Popcorn Products Corporation. 569,122, Jan. 13; Serial No. 618,008, published Oct. 21, 1952.

Potatoes. F. R. Shaw. 569,165, Jan. 13; Serial No. 622,626, published Oct. 21, 1952.

Potatoes and onions. Hanache Produce Company. 569,080, Jan. 13; Serial No. 612,166, published Oct. 7, 1952.

Preparation of cocoa, sugar, salt, and an emulsifier for making a food beverage. Chocolate Products Company. 569,333, Jan. 13; Serial No. 615,690.

Pretzels. H. Krasner. 569,021, Jan. 13; Serial No. 596,427, published Oct. 21, 1952.

Processed wheat, grain food. The Pilaf Company of California. 569,226, Jan. 13; Serial No. 626,823, published Oct. 21, 1952.

Raisins, chocolate coated. Sun-Maid Raisin Growers of California. 569,019, Jan. 13; Serial No. 595,426, published Oct. 21, 1952.

Rice. Louisiana State Rice Milling Company, Inc. 301,650, renewed Mar. 7, 1953. O. G. Jan. 13.

Soyflour composition. A. E. Staley Manufacturing Company. 569,088, Jan. 13; Serial No. 613,739, published Oct. 21, 1952.

Spagbetti. Prince Macaroni Manufacturing Company. 569,035, Jan. 13; Serial No. 601,753, published Oct. 21, 1952.

Tomato paste. J. J. Pierr. 569,101, Jan. 13; Serial No. 615,944, published Sept. 23, 1952.

Vegetable preparation, concentrated. Gravymaster Company, Inc. 569,211, Jan. 13; Serial No. 626,162, published Oct. 21, 1952.

Vegetables, fresh. Western Packing Company. 569,209, Jan. 13; Serial No. 626,127, published Oct. 21, 1952.

VERMONT. Ed. Rosen, Guy & Yves Rozes Successeurs (Société à Responsabilité Limitée). 569,275, Jan. 13; Serial No. 620,842.

Wine. Garrett & Co. 88,670, renewed Oct. 15, 1952. O. G. Jan. 13.

Wines. Schenley Import Corporation. 402,526, July 27, 1943. Republished Jan. 13.

CLASS 48

Ale, Mead. Hope and Anchor Breweries Limited. 569,331, Jan. 13; Serial No. 613,991.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 49

Cognac brandy. Société à Responsabilité Limitée Cognac Favaud. 569,329, Jan. 13; Serial No. 613,282.

Vodka. G. F. Heublein & Bro., Inc. 569,269, Jan. 13; Serial No. 618,854.

Vodka. G. F. Heublein & Bro., Inc. 569,343, Jan. 13; Serial No. 618,853.

Whisky. R. L. Crigler. 302,118, renewed Mar. 28, 1953. O. G. Jan. 13.

CLASS 50

Loosely matted or felted adhesively-bound vegetable fiber. Wood Conversion Company. 569,336, Jan. 13; Serial No. 617,690.

Miniature greenhouse. Old Copper Mine Farms Inc. 569,288, Jan. 13; Serial No. 625,120.

Package containing articles for use after a disaster. Survive-All, Inc. 569,283, Jan. 13; Serial No. 623,167.

Shoe-holders and boot and shoe trees. Regal Shoe Company, Inc. 90,577, re-renewed Mar. 4, 1953. O. G. Jan. 13.

CLASS 51

Aromatized sachet packets. Bourjols, Inc. 569,065, Jan. 13; Serial No. 609,531, published Oct. 14, 1952.

Dental preparation. Wernet Dental Mfg. Co., Inc. 267,532, Feb. 25, 1930. Republished Jan. 13.

Deplating compound. Hercules Powder Company. 300,288, renewed Jan. 10, 1953. O. G. Jan. 13.

Hair dressing. The Mme. C. J. Walker Manufacturing Company, Inc. 569,306, Jan. 13; Serial No. 570,597.

Hair milk and scalp conditioner, a face cream, etc. Alma Products Company. 569,081, Jan. 13; Serial No. 612,232, published Oct. 14, 1952.

Hair oil pomade, hair tonic, face lotion, etc. The Olive Co., Inc. 569,100, Jan. 13; Serial No. 615,654, published Oct. 7, 1952.

Incense, perfumes, and toothpaste. M. G. Neumann. 298,129, renewed Oct. 11, 1952. O. G. Jan. 13.

Nail enamel and lipatlick. Revlon Products Corporation. 569,168, Jan. 13; Serial No. 622,847, published Oct. 7, 1952.

Natural and synthetic essential oils and aromatic chemicals. Firmenich, Incorporated. 569,111-14, Jan. 13; Serial Nos. 617,606-9, published Oct. 7, 1952.

Paste or coating to be used especially in applying to the head, face, nose, and lips. E. R. Wiggins. 569,319, Jan. 13; Serial No. 601,766.

Perfume, toilet water, face powder, etc. Houbigant, Inc. 300,161, renewed Jan. 10, 1953. O. G. Jan. 13.

Perfumes, toilet water, face powder, etc. Houbigant, Inc. 300,997, renewed Feb. 14, 1953. O. G. Jan. 13.

Perfumes, toilet waters, rouge, etc. Parfums Chion, Société à Responsabilité Limitée. 569,335, Jan. 13; Serial No. 616,865.

Permanent waving lotion. Gabrielsen Co., Inc. 298,228, renewed Oct. 18, 1952. O. G. Jan. 13.

Preparation used for the cleansing of artificial teeth. Wernet Dental Mfg. Co., Inc. 267,771, Feb. 25, 1930. Republished Jan. 13.

Skin lotion. Skin Culture Laboratories, Inc. 297,835, renewed Oct. 4, 1952. O. G. Jan. 13.

CLASS 52

Chemical reagent for cleaning, etc. Petrolite Corporation, Ltd. 568,990, Jan. 13; Serial No. 575,423, published Oct. 14, 1952.

Cleaner, cleanser, and detergent. Sudsing. Colgate-Palmolive-Peet Company. 569,071, Jan. 13; Serial No. 610,411, published Oct. 21, 1952.

Cleanser. E. A. Gerlach Company, Inc. 568,992, Jan. 13; Serial No. 578,591, published Oct. 21, 1952.

Detergent cleaners, rug shampoos, soaps, etc., Janitors'. National Industries Corporation. 569,079, Jan. 13; Serial No. 611,963, published Oct. 21, 1952.

Detergent, dry cleaning. The Fry Brothers Co. 569,068, Jan. 13; Serial No. 610,009, published Oct. 21, 1952.

Phosphatizing paint-preparatory wash. The Du Bois Company. 569,092, Jan. 13; Serial No. 614,244, published Oct. 14, 1952.

Shampoo. American Advertised Products, Incorporated. 299,447, renewed Dec. 6, 1952. O. G. Jan. 13.

Shampoo, hair waving. Marlene's, Inc. 569,095, Jan. 13; Serial No. 614,684, published Oct. 21, 1952.

Soap. Colgate-Palmolive-Peet Company. 302,078, renewed Mar. 28, 1953. O. G. Jan. 13.

Soap. West Disinfecting Company. 569,194, Jan. 13; Serial No. 625,167, published Oct. 21, 1952.

Synthetic and natural aromatic chemicals and essential oils. Firmenich, Incorporated. 569,115, Jan. 13; Serial No. 617,614, published Oct. 21, 1952.

CLASS 100

Creating and making up fashions, patterns, and designs. B. D. Small. 569,264, Jan. 13; Serial No. 599,026, published Oct. 21, 1952.

Polling public taste in modern music, rating the current popularity of favorite tunes, etc. Music Guild of America. 569,344, Jan. 13; Serial No. 605,222.

Rental of towels. McGuire Bros, Inc. 569,266, Jan. 13; Serial No. 613,179, published Oct. 21, 1952.

CLASS 101

Providing by telephone the names and locations of dealers, agents, etc. C. C. Aronson, Jr. 569,345, Jan. 13; Serial No. 542,503.

CLASS 102

General banking and trust services. Peoples First National Bank & Trust Company. 569,265, Jan. 13; Serial No. 606,321, published Oct. 21, 1952.

CLASS 107

Entertainment services. Happy Felton Products, Inc. 569,267, Jan. 13; Serial No. 615,636, published Oct. 21, 1952.

Lensing of motion picture film. Dalton Film Company. 569,268, Jan. 13; Serial No. 616,659, published Oct. 21, 1952.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, Mona C., Kew Garden Hills, N. Y. Transparent hollow toy ball. Re. 23,612, Jan. 13.
Danka, Alfred C., Cleveland, Ohio. Butterfly valve. Re. 23,613, Jan. 13.
Dearborn Chemical Company, assignee: See—
Denman, Wayne L.
Denman, Wayne L., Oak Park, assignor to Dearborn Chemical Company, Chicago, Ill. Treating waters, including boiler waters, and composition therefor. Re. 23,614, Jan. 13.
Fastie, William G., Owings Mills, Md., assignor to Leeds and Northrup Company, Philadelphia, Pa. Compensated thermopile. Re. 23,615, Jan. 13.
Leeds and Northrup Company, assignee: See—
Fastie, William G.

LIST OF PLANT PATENTEEES

Anderson, Frederic W., Merced, assignor to Kim Brothers, Reedley, Calif. Nectarine tree. 1,160, Jan. 13.
Anderson, Frederic W., assignor to T. B. Stribling, Jr., doing business as Stribling's Nurseries, Merced, Calif. Nectarine tree. 1,161, Jan. 13.
Kim Brothers, assignee: See—
Anderson, Frederic W.
Stribling, Thomas B., Jr., assignee: See—
Anderson, Frederic W.
Stribling's Nurseries, assignee: See—
Anderson, Frederic W.

LIST OF DESIGN PATENTEEES

Bach, Walter H., Los Angeles, and R. L. George, Torrance, Calif. Motion-picture camera. 168,610, Jan. 13.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 168,611, Jan. 13.
Berndt-Bach, Incorporated, assignee: See—
Bach, Walter H., and George.
Clark, Jack F., and L. F. Ellis, South Whittier, Calif. Combined lamp and planter. 168,612, Jan. 13.
Coro, Inc., assignee: See—
Katz, Adolph.
Denyassen, Ivanhoe P., Merion, assignor, by mesne assignments, to Sant-Mist, Inc., Philadelphia, Pa. Foot spray-ing device. 168,613, Jan. 13.
De Vry Corporation, assignee: See—
Lessman, Gerhard.
Dodd, William O., Jr.: See—
Roper, Norman W., and Dodd.
Ellis, Lloyd F.: See—
Clark, Jack F., and Ellis.
Floria, James D., Fox Point, assignor to Webster Electric Company, Racine, Wis. Intercommunicating system master station unit. 168,614, Jan. 13.
George, Robert L.: See—
Bach, Walter H., and George.
Ginsburg, Edward W., assignee: See—
Mercer, Norman J.
Globe Rubber Products Corporation, assignee: See—
Schwartz, Albert.
Hyman, Jerome, Houston, Tex., assignor to Rockmont Envelope Co., Denver, Colo. Envelope. 168,615, Jan. 13.
Iannelli, Alfonso, Park Ridge, Ill. Combination stove, sink, and refrigerator unit. 168,616, Jan. 13.
Johnson, Arne B., Madison, Wis. Vaporizer for heating an insecticide. 168,617, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,618, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,619, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,620, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,621, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,622, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,623, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 168,624, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,625, Jan. 13.
Krall, Richard C.: See—
St. Clair, Theodore A., and Krall.
Langer, William M., Berlin, N. J. Stocking. 168,626, Jan. 13.
Lessman, Gerhard, assignor to De Vry Corporation, Chicago, Ill. Slide projector. 168,627, Jan. 13.
Melaragno, Biagio P., Johnston, R. I., assignor to Rosbro Plastics Corporation. Figurine. 168,628, Jan. 13.
Mercer, Norman J., Brooklyn, assignor to E. W. Ginsburg, New York, N. Y. Spoon or the like. 168,629, Jan. 13.
Mercer, Norman J., Brooklyn, assignor to E. W. Ginsburg, New York, N. Y. Spoon or the like. 168,630, Jan. 13.
Miller, William J., Galesburg, Ill. Stove handle. 168,631, Jan. 13.
Nelson, Erdick H., Naperville, Ill. Carrying case. 168,632, Jan. 13.
Odser, Harry, New York, N. Y. Textile fabric or similar article. 168,633, Jan. 13.
Ohio Sesquicentennial Commission, assignee: See—
Smith, Charles L.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 168,634, Jan. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 168,635, Jan. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 168,636, Jan. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 168,637, Jan. 13.
Rockmont Envelope Co., assignee: See—
Hyman, Jerome.
Roper, Norman W., and W. O. Dodd, Jr., San Angelo, Tex. License plate attachment. 168,638, Jan. 13.
Rosbro Plastics Corporation, assignee: See—
Melaragno, Biagio P.
St. Clair, Theodore A., South Euclid, and R. C. Krall, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Pressure regulator or similar article. 168,641, Jan. 13.
Sant-Mist, Inc., assignee: See—
Denyassen, Ivanhoe P.
Schwartz, Albert, assignor to Globe Rubber Products Corporation, Philadelphia, Pa. Rubber mat. 168,639, Jan. 13.
Smith, Charles L., Athens, assignor to Ohio Sesquicentennial Commission, Columbus, Ohio. Applique emblem or similar article. 168,640, Jan. 13.
Trifari, Krussman & Fishel, Inc., assignee: See—
Philippe, Alfred.
Troik, Elmer A., Fresno, Calif. Service station island. 168,642, Jan. 13.
Weatherhead Company, The, assignee: See—
St. Clair, Theodore A., and Krall.
Webster Electric Company, assignee: See—
Floria, James D.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbate, Albert, and E. Cappelletti, Detroit, Mich. Combination chair and table. 2,625,206, Jan. 13.
Abbott Laboratories, assignee: See—
Fields, Mack R.
Ackerman, George W., New York, N. Y. Visual communicating device. 2,624,922, Jan. 13.
Acme Steel Company, assignee: See—
MacChesney, Chester M.
Adair, Paul F., Dayton, Ohio. Internal-combustion engine compression tester. 2,625,033, Jan. 13.
Adam, Joseph B., Jackson, Ala., assignor to Vanity Fair Mills, Inc., Reading, Pa. Beam support for knitting machines. 2,625,022, Jan. 13.
Adams, Dan B., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Pallet. 2,625,335, Jan. 13.
Adams, Kenneth H.: See—
Doelling, George L., and Adams.
Addelston, Aaron: See—
Lawson, Elmer J., and Addelston.
Addressograph-Multigraph Corporation, assignee: See—
Gammett, Harry F.
Aerograph Corporation, assignee: See—
Charlson, Lynn.
Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Electromechanical calculating apparatus. 2,625,327, Jan. 13.
Agriculture, United States of America as represented by the Secretary of, assignee: See—
Wasserman, Theodore, and Lazar.
Agule, George J., Stamford, assignor to Machlett Laboratories, Incorporated, Springfield, Conn. Electron tube. 2,625,664, Jan. 13.
Ahern, Jack A., executor, assignee: See—
Wilson, Frank C.
Akron Products Company, The, assignee: See—
Lichty, Paul E., and Houseworth.
Akron Standard Mold Company, The, assignee: See—
Boatwick, Henry C.
Aktiebolaget Tezlimex, assignee: See—
Worm, Hugo F.
Aktiebolaget Volvo, assignee: See—
Larborn, Åke O. J.
Alexander, Tom S., Soquel, Calif. Supplementary brake fluid reservoir. 2,625,267, Jan. 13.
Alexander, William M.: See—
Lee, John W., Martin, and Alexander.
Alford, Andrew, Cambridge, Mass. Slotted cylindrical antenna. 2,625,654, Jan. 13.
Allen, Howard G., Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga. Bag wrapping machine. 2,624,990, Jan. 13.
Allen, Howard G., Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga. Bag closing machine. 2,624,995, Jan. 13.
Allen, Sidney, and M. A. Stokes, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Igniter for liquid fuel combustion chambers. 2,625,011, Jan. 13.
Allison, Donald K., Washington, D. C., assignor to General Electric Company. Radiant energy navigational device. 2,625,678, Jan. 13.
Allmanna Srenska Elektriska Aktiebolaget, assignee: See—
Landau, Franz, Carlsson, and Hedström.
Almqvist, Gus, Riverside, Calif. Hay baler sleeve. 2,625,097, Jan. 13.
Alonzo, Charles P., New Orleans, La. Figure simulating toy vehicle. 2,625,403, Jan. 13.
Aluminum Laboratories Limited, assignee: See—
Schauer, Ernst.
Amana Refrigeration, Inc., assignee: See—
Moore, Robert E.
American Cyanamid Company, assignee: See—
Baker, Bernard R., and Querry.
Long, Robert S.
American Forging and Socket Company, assignee: See—
Cartwright, Clifford J.
American Machine & Foundry Company, assignee: See—
Frye, Sanders A.
American Sandries Company, Inc., assignee: See—
Duberstein, Samuel.
American Telephone and Telegraph Company, assignee: See—
Hanley, Frank H.
American Viscose Corporation, assignee: See—
Ewing, John F., and Brosious.
Richter, George A., Jr., and Braunlich.
Anderson Company, The, assignee: See—
Raddy, Leonard.

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LIST OF PATENTEEES

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Barker, John W., Silver Spring, Md., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for flowing gases through beds of fluent granular solids. 2,625,467, Jan. 13.
Barron, Fred E., assignor to The Malco Company, Incorporated, Minneapolis, Minn. Tone interrupter for audimeters. 2,625,613, Jan. 13.
Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,625,572, Jan. 13.
Baskerville, Ralph J., Drexel Hill, Pa., assignor to A. B. Chance Company, Centerville, Mo. Method and apparatus for breaking electrical circuits under heavy load. 2,625,623, Jan. 13.
Bastian Bros. Co., assignee: See—
Brown, Frank J.
Batzie, William K., Bloomfield, N. J., assignor to Radio Corporation of America. Electron tube mount and method of assembly. 2,625,065, Jan. 13.
Baum, W. A., Co. Inc., assignee: See—
Baum, William A.
Baum, William A., Forest Hills, assignor to W. A. Baum Co. Inc., New York, N. Y. Blood pressure measuring apparatus. 2,625,153, Jan. 13.
Bauman, Edna M., executrix: See—
Bauman, Joseph J.
Bauman, Joseph J., deceased, Chicago, Ill.; E. M. Bauman, executrix, assignor to Kura-Kasch, Inc., Dayton, Ohio. Knob. 2,625,034, Jan. 13.
Baumgartner, Otto F., Kansas City, Mo. Reinforcing frame and holder for automobile license plates. 2,624,966, Jan. 13.
Beaman, Phineas A., assignor to Morgan Construction Company, Worcester, Mass. Wire colling apparatus. 2,625,340, Jan. 13.
Becker, Louis C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble chamber. 2,625,377, Jan. 13.
Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for welt replenishing looms. 2,625,162, Jan. 13.
Beaver Pipe Tools, Inc., assignee: See—
Pealer, Robert B.
Bebry Bedding Corporation, assignee: See—
Bebry, Peter P.
Bebry, Peter P., Jamaica, N. Y., assignor to Beby Bedding Corporation, Bayonne, N. J. Love seat bed with resilient front panel. 2,624,868, Jan. 13.
Belco Industrial Equipment Division, Inc., assignee: See—
Rhinehart, John R., and Eschrich.
Belding, Donald G., Orrville, Ohio. Jet-propelled toy boat. 2,624,975, Jan. 13.
Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. 2-ethyl butyric acid and 2-ethyl hexoic acid esters of 2,2,4-trimethyl pentane diol-1,3. 2,625,563, Jan. 13.
Bell, Clarence D.: See—
Graham, William F., and Bell.
Bell Telephone Laboratories, Incorporated, assignee: See—
Cesaro, Orfeo.
Curry, Robert O. L.
Edson, James O.
Houghton, Edward W.
Joel, Amos E., Jr.
Kempf, Raymond A.
Lakatos, Emory, and McMillan.
Lander, James J.
Schelleng, John C.
Wier, Anthony J.
Bellini, Eugene, Jackson, Ala. Warp guide bar operating mechanism. 2,625,023, Jan. 13.
Benaglio, Reno V., and B. Nymberg, assignors to Bendix Aviation Corporation, Detroit, Mich. Decoding information translator. 2,625,600, Jan. 13.
Benbow, Charles M., Anderson, Ind. Attachment for slide delivery hay rakes. 2,625,000, Jan. 13.
Bench, David E.: See—
Holt, Frederick W., Jr., Bench, and Ernst.
Bendix Aviation Corporation, assignee: See—
Benaglio, Reno V., and Nymberg.
Blackmore, Fred N.
Krullkoski, Stanley J., Jr., and Jarvis.
Noxon, Paul A., MacCallum, and Murphy.
Onia, John, and Sirvis.
Warsher, Adolph.
Benoit, Joseph P.: See—
Willke, Julius E., Benoit, and McCormick.
Bergstein, Frank D., Wyoming, Ohio. Apparatus for assembling composite containers. 2,625,065, Jan. 13.
Berkley Machine Company, assignee: See—
Skow, Ross E.
Berlyn, Martin J., Suffield, Conn. Fuel injection method. 2,625,141, Jan. 13.
Berlyn, Martin J., Enfield, Conn. Fuel injection apparatus. 2,625,436, Jan. 13.
Best, Philip F.: See—
McBride, Charles B., Best, and Orem.
Bethge, Bernhard: See—
Suer, René, Welker, Mataré, and Bethge.

Billaer, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Molding concrete structures. 2,624,931, Jan. 13.
Binford, Benjamin L., assignor to Magnetrol, Inc., Chicago, Ill. Liquid level responsive mechanism. 2,625,042, Jan. 13.
Binley, Harold L.: See—
Williams, William D., and Binley.
Bird Machine Co., assignee: See—
Lyons, Sanford C.
Bishop, O. H., Company, assignee: See—
Westwood, Carridon G.
Bjornstad, Thor, Philadelphia, Pa., assignor to Muller Machinery Company, Inc., Metuchen, N. J. Shaft sealing device. 2,625,446, Jan. 13.
Black, Bernard A., and S. Kaim, assignors to John E. Fast & Co., Chicago, Ill. Stripping apparatus. 2,624,867, Jan. 13.
Black, James J., Cincinnati, Ohio, assignor, by mesne assignments, to Trallmobile Inc. Safety coupling mechanism for semitrailers. 2,625,406, Jan. 13.
Blackmore, Fred N., Royal Oak, assignor to Bendix Aviation Corporation, Detroit, Mich. Rate meter. 2,625,656, Jan. 13.
Blakemore, Elmo D., Flint, Mich. Safety button. 2,625,052, Jan. 13.
Blumenthal, Sidney, & Co., Inc., assignee: See—
Dufourd, Andrew J., and Lovahn.
Boddy, Leonard, Ann Arbor, Mich., assignor, by mesne assignments, to The Anderson Company, Gary, Ind. Electric gauge mechanism. 2,625,132, Jan. 13.
Boddy, Leonard, Ann Arbor, Mich., assignor, by mesne assignments, to The Anderson Company, Gary, Ind. Electrical signal control system. 2,625,595, Jan. 13.
Bodin, Alfred, Palos, Ill., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Bodin. Tear strip remover for cans. 2,625,294, Jan. 13.
Bonforte, John, Colorado Springs, Colo. Ventilating ridge roof for roofs. 2,625,094, Jan. 13.
Booth, Henry, Bronxville, assignor to The Henry Booth Methods Corporation, New York, N. Y. Proportionally balancing garments. 2,624,943, Jan. 13.
Booth, Henry, Methods Corporation, The, assignee: See—
Booth, Henry.
Borg-Warner Corporation, assignee: See—
Kelbel, Donald W.
Koppel, Ernst R.
Stuban, Carl J.
Borst, Walter J., assignor to Deere & Company, Moline, Ill. Plowshare. 2,625,093, Jan. 13.
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Tire building apparatus. 2,625,198, Jan. 13.
Boyer, Leonard D., Kirkwood, assignor to Carburetor Company, St. Louis, Mo. Thermostatic accelerating pump control. 2,625,382, Jan. 13.
Braddy, William H.: See—
Kennedy, Robert L., and Braddy.
Brannlich, Richard H.: See—
Richer, George A., Jr., and Braunlich.
Brasell, John J., assignor to E. L. Thompson Chair Corporation, Baldwinsville, Mass. Combined high chair and walker. 2,625,203, Jan. 13.
Brereton, Gilbert, Toronto, Ontario, Canada, assignor to Elmar Corporation, New York, N. Y. Ramie processing apparatus. 2,624,918, Jan. 13.
Bridgeport Brass Company, assignee: See—
Mayer, Charles H.
Briggs Manufacturing Company, assignee: See—
Weymouth, Lawrence B.
Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Power plant. 2,625,145, Jan. 13.
Broding, Robert A., Dallas, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Magnetic induction well logging instrument. 2,625,583, Jan. 13.
Brosious, Malcolm J.: See—
Ewing, John F., and Brosious.
Broillard, Albert P., Woonsocket, R. I. Textile spindle. 2,625,336, Jan. 13.
Broossard, Robert F., and C. A. Toce, Houston, Tex. Traffic signal. 2,625,598, Jan. 13.
Brown, Abner E., Richmond Heights, Mo. Drinking cup. 2,625,019, Jan. 13.
Brown-Bridge Mills, Inc., The, assignee: See—
Holt, Frederick W., Jr., Bench, and Ernst.
Brown, Corry L., Kansas City, Mo. Inner bore door. 2,624,921, Jan. 13.
Brown, Frank J., assignor to Bastian Bros. Co., Rochester, N. Y. Making colored embossed emblems. 2,625,064, Jan. 13.
Brown, Lawrence S., Massapequa, N. Y., assignor to The Sperry Corporation. Sheet stacking machine. 2,625,394, Jan. 13.
Brown, Paul W., Kansas City, Mo. Apparatus for holding poultry during slaughtering. 2,624,911, Jan. 13.
Brown, Robert C.: See—
Hart, Leo E., and Brown.
Brown, Walter O., Detroit, Mich. Table leg pivot and latch mechanism. 2,625,454, Jan. 13.
Browne, Charles M.: See—
Gaiser, Romey A., and Browne.

Brubaker, John W., Palos Verdes Estates, M. C. Sanz, Los Angeles, and C. N. Scully, Pasadena, Calif., assignors to North American Aviation, Inc. Gyro bearing. 2,625,045, Jan. 13.

Brush Development Company, The, assignee: See—Williamama, Alfred L. W.

Brzoticky, Frank J.: See—Stone, Carl E., and Brzoticky.

Buckey, Kenneth M., P. M. Koon, and P. Spurlino, assignors to The National Cash Register Company, Dayton, Ohio. Classification designation change means for accounting machines. 2,625,330, Jan. 13.

Buckeye Cotton Oil Company, assignee: See—Atkinson, James D., Jr., and Rogers.

Bogg, Kenly C., assignor to Materials Blasting Company, Inc., Fort Wayne, Ind. Blasting shell and timing means therefor. 2,625,104, Jan. 13.

Burd & Fletcher Co., assignee: See—Fehrenkamp, Emil W.

Burden, Glenn E., assignee: See—Burden, Oscar J.

Burden, Oscar J., assignor of one-half to G. E. Burden, Alliance, Ohio. Liquid display clock. 2,625,003, Jan. 13.

Borg, Leo R., West Bend, Wis. Ice fishing rig. 2,624,972, Jan. 13.

Burkhardt, Adolph E., Poland, Ohio. Wheeled motor carrying attachment. 2,625,230, Jan. 13.

Burndy Engineering Company, Inc., assignee: See—Dupre, Henry P.

Matthysse, Irving F.

Burris, John S., Houston, Tex. Page end indicator mechanism for typewriters. 2,625,253, Jan. 13.

Burrroughs Adding Machine Company, assignee: See—Wockenfuss, William.

Bush, Harold L., and W. E. Parish, assignors to Crouse-Hinds Company, Syracuse, N. Y. Explosion resisting clock. 2,625,004, Jan. 13.

Butterfield, John P.: See—Herreshoff, Alexander G., and Butterfield.

Cadgene, Jacques, Paterson, N. J. Fusing thermoplastic fabric sheets to each other. 2,625,497, Jan. 13.

Caldwell, John R., Kingsport, Tenn. Assignor to Eastman Kodak Company, Rochester, N. Y. Solutions of proteins and their preparation. 2,625,490, Jan. 13.

Caldwell, John R., Kingsport, Tenn. Assignor to Eastman Kodak Company, Rochester, N. Y. Coagulation of oil emulsions with cellulose sulfate. 2,625,517, Jan. 13.

California Research Corporation, assignee: See—Miller, Robert J.

Pollock, Howard B.

Calvert, Arthur T., Manhasset, N. Y., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor driven apparatus. 2,625,072, Jan. 13.

Canadian Controllers, Limited, assignee: See—Grepe, Frederick Y.

Cannon, John B., Jr.: See—John, Frank T., and Cannon.

Cappelletti, Emilio: See—Abbate, Albert, and Cappelletti.

Carburetor Company, assignee: See—Boyce, Leonard D.

Carelock, Claude L., Douglas, Ga. Plant setting machine. 2,625,122, Jan. 13.

Carey, Philip, Manufacturing Company, The, assignee: See—Ferlise, Louis.

Carlsson, Johan E.: See—Landau, Frans, Carlsson, and Hedström.

Carter Carburetor Corporation, assignee: See—Coffey, Irven E.

Carter, Jack W., Winter Haven, Fla., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga. Distributing and feeding mechanism. 2,625,255, Jan. 13.

Carter, Ralph H.: See—Kingsbury, Chadwick B., and Carter.

Cartwright, Clifford J., assignor to American Forging and Socket Company, Pontiac, Mich. Hand brake assembly. 2,625,083, Jan. 13.

Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine drive mechanism. 2,625,244, Jan. 13.

Caulkins, Cecil P., Niantic, Conn. Discharge silencer and recoil compensator. 2,625,235, Jan. 13.

Celanese Corporation of America, assignee: See—Roberts, Samuel B., and Gibbs.

Centoletta, Albert P.: See—Levin, Robert H., McIntosh, and Centolella.

Central Commercial Industries, Inc., assignee: See—Freuch, Melvin H.

Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic code translating system. 2,625,328, Jan. 13.

Chamberlain, Lawrence E., Mansfield, Ohio. Slide binder clamping apparatus. 2,625,197, Jan. 13.

Chambers, Alexander M., Richmond, Calif. Charge forming device. 2,625,142, Jan. 13.

Chance, A. B. Company, assignee: See—Baskerville, Ralph J.

Chance, Britton, Cambridge, Mass., assignor, by means assignments, to the United States of America as represented by the Secretary of the Navy. Multiple trace oscilloscope. 2,625,667, Jan. 13.

Chandler, Charles H., Princeton, N. J., assignor to Radio Corporation of America. Resonator. 2,625,605, Jan. 13.

Chaplin, Merle P., Portland, Maine. Apparatus for operating molded fiber drying dies. 2,624,956, Jan. 13.

Chapman, Thomas J. C., Chicago, H. G. Holts, Oak Lawn, and B. S. Jenison, assignors to Swift & Company, Chicago, Ill. Frankfurter wrapping machine. 2,624,991, Jan. 13.

Charlson, Lynn, Minneapolis, Minn., assignor to Aeroquip Corporation, Jackson, Mich. Fluid coupling. 2,625,185, Jan. 13.

Chase National Bank of the City of New York, The, executor: See—Gilbert, Charles E.

Chatham Electronics Corporation, assignee: See—Lupo, Frank J.

Chicago Bridge and Iron Company, assignee: See—Moyer, Frederick D.

Choate, Miles C., Tangent, Oreg. Sagebrush puller or uprooter. 2,624,998, Jan. 13.

Chouinard, Albert E., assignor to Graton & Knight Company, Worcester, Mass. Loom picker head. 2,625,185, Jan. 13.

Christler, Eugene T., Whitestone, N. Y. Indicator for electrical switches. 2,625,631, Jan. 13.

Christensen, Niels A., South Euclid, Ohio. Seal for hydraulic rams. 2,625,413, Jan. 13.

Christie, Douglas P., Townsend, Mont. Adjustable measuring cup. 2,625,044, Jan. 13.

Chrysler Corporation, assignee: See—Cudy, Ralph R.

Herreshoff, Alexander G., and Butterfield.

Van Der Sluis, William.

Cipriani, Chester: See—Robinson, Kenneth L., and Cipriani.

Clark, Edward B., Milford, and F. W. Fagal, Stratford, Conn., assignors to General Electric Company. Electrical outlet box. 2,625,288, Jan. 13.

Clark, Lauriston E., and D. H. Kelly, assignors to Technicolor Motion Picture Corporation, Los Angeles, Calif. Apparatus and method for evaluation of photographic resolving power. 2,625,072, Jan. 13.

Clark, Thomas, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Means for preventing internal-combustion turbine noita from icing. 2,625,010, Jan. 13.

Clarke Sanding Machine Company, assignee: See—Atkin, Kenneth C.

Clements, MacMillan, Fairfield, Conn. Nesting bowls and supporting means therefor. 2,625,274, Jan. 13.

Cleveland Steel Products Corporation, assignee: See—Smith, William J., and Slaughter.

Clever, William R., and H. O. Phalin, Port Allegany, Pa., assignors to Pittsburgh Corning Corporation. Producing welded double glazed units. 2,624,979, Jan. 13.

Cloud, Jerry L., and N. Marchand, assignors, by means assignments, to Technicon Cardograph Corporation, New York, N. Y. Method of and means for recording phenomena by means of standing waves. 2,625,460, Jan. 13.

Cnates, Norman, executor: See—Gilbert, Charles E.

Coberly, Clarence J., Los Angeles, Calif., assignor, by means assignments, to Dresser Equipment Company, Cleveland, Ohio. Rotary hydraulic pump. 2,625,109, Jan. 13.

Cohl, Walter H., New York, N. Y. Expandible core for driving molds for concrete piles. 2,625,015, Jan. 13.

Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump. 2,625,114, Jan. 13.

Coldwell, John S., assignor to Globe-Union Inc., Milwaukee, Wis. Over and under actuator for electric switches. 2,625,629, Jan. 13.

Coleman Company, Inc., The, assignee: See—Kice, Jack W.

Kice, Jack W., and Redmond.

Little, Ellwood E.

St. John, Roscoe N., and Goldsberry.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Sprinkling system. 2,625,428, Jan. 13.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Sprinkling system. 2,625,429, Jan. 13.

Colgate-Palmolive-Peet Company, assignee: See—Kirschenbauer, Hans G.

Collette Manufacturing Company, The, assignee: See—Robinson, Eli A., and Heck.

Collins, Robert N., Ridgefield, N. J. Educational device for use in learning to tie certain knots. 2,624,937, Jan. 13.

Colonial Sheet Metal Works, assignee: See—Pujda, Alfred G.

Comfort Spring Corporation, assignee: See—Gaul, Joseph, and Quinn.

Compu Corporation, The, assignee: See—Lockhart, Marshall L.

Cone, Carroll, and J. Huebler, near Toledo, assignors to Surface Combustion Corporation, Toledo, Ohio. High-temperature cleaning of ferrous metal. 2,625,495, Jan. 13.

Conkling, William C., assignor to Richmond Manufacturing Company, Lockport, N. Y. Stream splitter for driving granular materials. 2,625,305, Jan. 13.

Counell, Maurice W., Buffalo, N. Y. Bare wire thermocouple holder. 2,625,373, Jan. 13.

Connors, John J.: See—Healy, Frank L., and Connors.

Conveyor Company, The, assignee: See—Saxe, Walter E.

Conveyor Company, Inc., The, assignee: See—Saxe, Walter E.

Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Adjustable work supporting member. 2,625,099, Jan. 13.

Cooper, Ellis W., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Stretching machine jaws. 2,625,196, Jan. 13.

Cooper, William T., Phillips, Tex., assignor to Phillips Petroleum Company. Processing of sulfur-vulcanizable materials, and related compositions. 2,625,528, Jan. 13.

Cordis, Nat. Bassett, Wis. Heated milking apparatus. 2,625,643, Jan. 13.

Corson, William G., Akron, Ohio. Vulcanizing or like press. 2,624,915, Jan. 13.

Cottle, Delmer L.: See—Young, David W., Cottle, and Fischer.

Cottle, Delmer L., Highland Park, and D. W. Young, Westfield, N. J., assignors to Standard Oil Development Company. Purification of acyl p-aminophenols with isopropyl alcohol. 2,625,557, Jan. 13.

Cowles, Laurence G., Houston, Tex., assignor to The Texas Company, New York, N. Y. Strain measurement. 2,625,036, Jan. 13.

Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Photoelectric sorting apparatus. 2,625,266, Jan. 13.

Cox, John W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg room equipment. 2,625,309, Jan. 13.

Crane, Paul T., New York, N. Y. Illuminated key case. 2,625,645, Jan. 13.

Crawford, Alfred, assignor to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J. Automatic supplementary source for electric stop-motions. 2,625,027, Jan. 13.

Crawford, Chester C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Wood resin refining process. 2,625,540, Jan. 13.

Crawford Manufacturing Company, Incorporated, The, assignee: See—Crawford, Alfred.

Crenshaw, Russell S., Jr., Arlington, Mass. Average indicating apparatus. 2,625,325, Jan. 13.

Crencenzo, Francis C., Springfield, assignor to Package Machinery Company, East Longmeadow, Mass. Wrapping machine for flexible articles. 2,624,994, Jan. 13.

Creson, William K., assignor to Ross Gear & Tool Company, La Fayette, Ind. Horn button switch. 2,625,618, Jan. 13.

Crompton & Knowles Loom Works, assignee: See—Beatrice, Gabriel C.

Dion Raymond F.

Crook, Wilton, Bloomfield, N. J., assignor to Curtiss-Wright Corporation. Variable flow nozzle. 2,625,008, Jan. 13.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonier Bros. Co. Inc., Chicago, Ill. Method and apparatus for recovering volatile flavoring material. 2,625,508, Jan. 13.

Crouse-Hinds Company, assignee: See—Bush, Harold L., and Parish.

Crowley, Ernest W., Santa Monica, Calif., assignor to North American Aviation, Inc. Coupling. 2,625,410, Jan. 13.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Co., Detroit, Mich. Deep drilling machine. 2,625,040, Jan. 13.

Cudv, Ralph R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Axle housing. 2,625,065, Jan. 13.

Currier, Leslie A., and F. B. Engel, Claremont, N. H., assignors to Joy Manufacturing Company. Fluid conducting means for the shovel centering means of shovel loaders. 2,625,280, Jan. 13.

Curry, Robert O. L., Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fitting hearing aids. 2,625,233, Jan. 13.

Curtiss-Wright Corporation, assignee: See—Crook, Wilton.

Froling, Robert O.

Leggett, Joseph H., and Morris.

Lundquist, Wilton G.

Mendelson, Irving.

Moore, Vincent.

Cusick, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted 1-(10-acridanyl) alkalones. 2,625,548, Jan. 13.

Cutler-Hammer, Inc., assignee: See—Calvert, Arthur T.

Dalby, Delbert G., and M. E. Smith, Amarillo, Tex. Vehicle lift for wrecking trucks. 2,625,279, Jan. 13.

Dale, Wesley J.: See—Kolthoff, Isaac M., and Dale.

Dalton, William, Schenectady, N. Y. Locomotive wheel and axle drive assembly. 2,625,116, Jan. 13.

Daniels, Flavius K.: See—Naamith, John I., and Daniels.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of maleic anhydride. 2,625,554, Jan. 13.

Dayla, Freeman H., Artesia, Calif. Grass edge cutter. 2,624,938, Jan. 13.

Davis, George B., Jr., Washington, D. C. Automatic heater for coffee makers and the like. 2,625,642, Jan. 13.

Davis, William L., Savannah, Ga., assignor to Unilux Bag & Paper Corporation, New York, N. Y. Packaging press. 2,625,310, Jan. 13.

Davison Chemical Corporation, The, assignee: See—Young, Luther O.

Dean, Reginald S., assignee: See—Fox, Abraham L.

De Armas, Justo A., Habana, Cuba. Paint straining and brush cleaning device. 2,625,270, Jan. 13.

Decorated Metal Manufacturing Company, Inc., assignee: See—Atwood, Rawson.

Deere & Company, assignee: See—Borat, Walter J.

Degnon, Julia S., Jamaica, N. Y. Headress. 2,624,884, Jan. 13.

Demits, Roberts S., Fort Knox, Ky. Starter for small internal-combustion engines. 2,625,143, Jan. 13.

Denison, Edward L., assignee: See—Ferreira, Charles W.

De Palma, Joseph, Amsterdam, N. Y. Spool rack. 2,625,345, Jan. 13.

De Ragon, Paul O., Mertstown, Pa. Traction device. 2,625,441, Jan. 13.

De Villiers Company, The, assignee: See—Peeps, Donald J.

Diamond Match Company, The, assignee: See—Wells, Roger.

Dick, Ernest L., Wichita, Kans. Adjustable tap holder. 2,625,402, Jan. 13.

Dictavox Company, Inc., assignee: See—Webb, Horace L.

Dimond, Edwin G., Flint, Mich. Key holder. 2,625,190, Jan. 13.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms. 2,625,180, Jan. 13.

Ditter, Francis J., Minneapolis, Minn. Vane controlled stabilizing rigging for aircraft landing skids. 2,625,350, Jan. 13.

Dodd, Arthur E., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Annunciator circuit. 2,625,597, Jan. 13.

Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Synthetic resins. 2,625,630, Jan. 13.

Domineck, William E., Chicago, D. Nelson, Elmhurst, and K. F. Mattil, assignors to Swift & Company, Chicago, Ill. Lard crystal modification. 2,625,484, Jan. 13.

Domineck, William E., Chicago, and D. Nelson, Elmhurst, assignors to Swift & Company, Chicago, Ill. Lard crystal modification process. 2,625,485, Jan. 13.

Dorr Company, The, assignee: See—Roberts, Elliott J., Foley, and Wells.

Downes, William A., Old Mystic, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Apparatus and method for testing the accuracy of synchros. 2,625,599, Jan. 13.

Downingtown Manufacturing Company, assignee: See—McArn, Theodore A.

Dresser Equipment Company, assignee: See—Coberly, Clarence J.

Dresser, Thorpe, Whiting, and R. B. Smith, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Gas generation. 2,625,465, Jan. 13.

Dubenstein, Samuel, Brooklyn, N. Y., assignor to American Sundries Company, Inc. Dual-purpose vaporizer. 2,624,924, Jan. 13.

Dufourd, Andrew J., Los Angeles, Calif., and F. A. Lovshin, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Loom shuttle box with electric switch loom control. 2,625,183, Jan. 13.

Duke, Samuel, Chicago, Ill. Folding wheel chair. 2,625,207, Jan. 13.

Dunn, Carroll N., Washougal, Wash. Transformer gin. 2,625,371, Jan. 13.

Dunn, George E., assignor to Universal Products Company, Inc., Dearborn, Mich. Universal joint. 2,625,018, Jan. 13.

Du Pont, E. I., de Nemours & Company, assignee: See—Graham, William F., and Bell.

Hartig, Martval J. P.

Kirby, James E.

Krans, William.

Kvalnes, Hamline M.

Persak, Kenneth J.

Wernitz, James H.

Dupre, Henry P., Croton-on-Hudson, N. Y., assignor to Burndy Engineering Company, Inc. Socket having a locking tab with a gradually sloping camming surface. 2,625,578, Jan. 13.

Durax Products, Incorporated, assignee: See—Young, Thomas.

Eagleson, Freeman T., Jr., Columbus, Ohio. Repeating type elastic band projector. 2,625,147, Jan. 13.

Eagle, John H., Rochester, assignor to Eastman Kodak Company, Rochester, N. Y. Mirror mount. 2,625,359, Jan. 13.

Easterday, Russell S., Cleveland Heights, assignor to The F. C. Thornton Company, Cleveland, Ohio. Sealing ring for containers. 2,625,265, Jan. 13.

Eastman Kodak Company, assignee: See—
Bell, Alan.
Caldwell, John R.
Eagle, John H.
Fuerst, Carl C.
Henn, Richard W.
Noseo, Louis C.
Russell, Harold D., and Halst.
Sawdey, George W.
Wright, Wayne K.
Young, D'Arcy A., Jr., and Fox.
Eastman Oil Well Survey Company, assignee: See—
MacLagan, Allan R.
Ebert, Max E.: See—
Schoenster, Peter J., and Ebert.
Eckardt, Rudolf H., Nutley, N. J. Attachment for sewing machines. 2,625,127, Jan. 13.

Eckert, John P., Jr., J. C. Sims, Jr., and H. F. Welsh, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Pulse recording apparatus. 2,625,607, Jan. 13.

Eckert-Mauchly Computer Corporation, assignee: See—
Eckert, John P., Jr., Sims, and Welsh.
Eckles, Howard W., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Switch. 2,625,630, Jan. 13.

Eddy, Allan F.: See—
Eddy, Robert F. and A. F.
Eddy, Robert F. and A. F., San Marino, Calif. Automatic frozen confection making apparatus. 2,625,120, Jan. 13.

Edeberg, Oscar F., assignor to Art Metal Construction Company, Jamestown, N. Y. Adjustable side bar for posting trays. 2,625,162, Jan. 13.

Edson, James O., Warren Township, Somerset County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Quantized pulse transmission with few amplitude steps. 2,625,604, Jan. 13.

Edwards, Elwart H., Jr., Leeds, Ala. Disposable fountain syringe and package containing the same. 2,625,264, Jan. 13.

Elffert, Otto H., and H. S. Thomas, Jr., assignors to Sargent & Greenleaf, Inc., Rochester, N. Y. Combination lock with tumbler upsetting mechanism. 2,625,032, Jan. 13.

Elmar Corporation, assignee: See—
Brereton, Gilbert.
Eisenbuth, Carl H., Thermal, Calif. Water pump. 2,625,111, Jan. 13.

Eltel-McCulloch, Inc., assignee: See—
Williams, Paul D.
Electric Sorting Machine Company, assignee: See—
Cox, David C.
Ella-Foster Company, assignee: See—
Rust, John B., and MacKensie.
Ella, Greenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Dry battery cell. 2,625,575, Jan. 13.

Embschhoff, George F., Hamilton County, assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Ultraviolet lamp. 2,625,670, Jan. 13.

Emerson Electric Manufacturing Company, The, assignee: See—
Eckles, Howard W.
Endter, Waldemar A., Long Beach, Calif. Door latching mechanism. 2,625,420, Jan. 13.

Engel, Plasco B.: See—
Currier, Leslie A., and Engel.
Osgood, Robert C., and Engel.
Engelder, Arthur E., Douglas, Ariz. Face mask. 2,625,155, Jan. 13.

Engineered Plastics, Incorporated, assignee: See—
Foote, Richard L.
Engineering Laboratories, Inc., assignee: See—
Wofford, Custer A.
Eria Resistor Corporation, assignee: See—
Helbel, Jerome D.
Ernst, Walter: See—
Holt, Frederick W., Jr., Bench, and Ernst.
Eschrich, Charles H.: See—
Rhinehart, John R., and Eschrich.
Eskew, Stanley F., Fayetteville, W. Va. Protective canopy for travel kitchens. 2,625,165, Jan. 13.

Etched Products Corporation, assignee: See—
Penker, Ernest.
Eull, Fred F., assignor to W. W. Tufford, San Diego, Calif. Removable seat cover. 2,625,210, Jan. 13.

Evans, Arthur G., Canton, Ill., assignor to International Harvester Company. Earth-working implement. 2,624,962, Jan. 13.

Evans, Douglas N., Gary, Ind., assignor to Inland Steel Company. Valve. 2,625,362, Jan. 13.

Ewing, John F., and M. J. Brosious, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del. Cake stripping bobbin. 2,625,334, Jan. 13.

Eyerly, Frank: See—
Rickett, Carl W., and Eyerly.
Fagal, Frederick W.: See—
Clark, Edward B., and Fagal.

Fagg, Howard, and G. Starrett, assignors to Hunter Douglas Corporation, Riverside, Calif. Reel for strip material. 2,625,339, Jan. 13.

Fast, John E., & Co., assignee: See—
Black, Bernard A., and Kaim.
Federal Electric Products Company, assignee: See—
Ballou, Richard P.
Federal Telephone and Radio Corporation, assignee: See—
Kretschman, Morton A.
Fehrenkamp, Emil W., assignor to Burd & Fletcher Co., Kansas City, Mo. Carton. 2,625,315, Jan. 13.

Fellows, Leslie R., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Means for securing together two shafts or the like. 2,625,416, Jan. 13.

Ferllise, Louis, Middletown, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Mounting clip for mirrors and the like. 2,625,080, Jan. 13.

Ferreira, Charles W., assignor to E. L. Denison, Miami, Fla. Venetian blind. 2,625,220, Jan. 13.

Ferrera, Anthony, Dearborn, assignor of one-half to J. Scappatelli, Wayne County, Mich. Hood ornament. 2,624,976, Jan. 13.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Bottle with light shield. 2,625,286, Jan. 13.

Fiero, Carl D.: See—
Jenner, Ralph L., and Fiero.
Fil-O-Matic Corporation, assignee: See—
Mart, Harry A.
Fina, Perry B., New York, N. Y. Valve controlled muffler with a plurality of through passages. 2,625,234, Jan. 13.

Fischer, Louis, Lufkin, Tex. Self-reversing rotary pump. 2,625,105, Jan. 13.

Fine, Harry, New York, N. Y. Cryptographic device. 2,624,958, Jan. 13.

Firestone, Floyd A., Washington, D. C., assignor to United Aircraft Corporation, East Hartford, Conn. Supersonic inspection device. 2,625,035, Jan. 13.

Fischer, Albert C., deceased, and W. H. Walker, Chicago, Ill.; said Walker assignor to said Fischer; W. C. and C. O. Fischer, executors of said A. C. Fischer, assignors to Servical Products Corporation. Sealing compound. 2,625,322, Jan. 13.

Fischer, Cecile G., executrix: See—
Fischer, Albert C.
Fischer, Howard L., assignee: See—
Phillippi, Matthew H.
Fischer, Wallace C., executor: See—
Fischer, Albert C., and Walker.
Fischer, Wilbur F.: See—
Young, David W., Cottle, and Fischer.
Fischer, Wilbur F., Roselle Park, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Stabilized plastic compositions of chlorine-containing vinyl resins. 2,625,521, Jan. 13.

Fisher, Norman A., Los Angeles, and A. B. Mull, Hemet, Calif. Bubble making device. 2,624,974, Jan. 13.

Flanigan, John J., assignee: See—
Flanigan, Thomas A.
Flanigan, Thomas A., assignor to J. J. Flanigan, Oak Park, Ill. Filter. 2,625,271, Jan. 13.

Flansburgh, John C., Michigan Center, assignor to Yard-Man, Inc., Jackson, Mich. Electric cord handling apparatus. 2,625,344, Jan. 13.

Fleischer, Gerhard Adalbert: See—
Schwenk, Erwin, and Fleischer.
Flude, John W., Houston, Tex. Buoy-type detector carrier. 2,625,129, Jan. 13.

Fluor Corporation, Ltd., The, assignee: See—
Bairst, Raymond C.
Foley, Rupert M.: See—
Roberts, Elliott J., Foley, and Wells.
Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Homopolymerization of vinyl chloride in aqueous medium. 2,625,539, Jan. 13.

Food Machinery and Chemical Corporation, assignee: See—
Pike, Robert D., and Seaton.
Foote, Richard L., Greensboro, assignor to Engineered Plastics, Incorporated, Gibsonville, N. C. Textile spool. 2,625,343, Jan. 13.

Forde, Wayne A., Washington, D. C. Pilot operated relief valve. 2,625,174, Jan. 13.

Formspag Company, assignee: See—
Sady, Leopold T.
Foster, Edwin E., Austin, Tex. Saah lifter. 2,624,906, Jan. 13.

Foster, Edwin E., Austin, Tex. Combined air conditioner and visor for vehicles. 2,625,425, Jan. 13.

Fox, Abraham L., assignor to R. S. Dean, Washington, D. C. Producing manganese carbonate. 2,625,462, Jan. 13.

Fox, Robert A.: See—
Young, D'Arcy A., Jr., and Fox.
Frassee, John D., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Spark plug elbow and barrel sealing grommet. 2,625,579, Jan. 13.

Fraxier, John E.: See—
Voorhies, James A., and Fraxier.
Fraser-Simplex, Inc., assignee: See—
Robinson, Philip W.
Voorhies, James A., and Fraser.
Frechtman, Jean, Paris, France. Pocket fishing game device. 2,625,396, Jan. 13.

Frederick, Jean R., Conneaut, Ohio. Sound reproducing stylus. 2,625,401, Jan. 13.

Free, Burke, Jr., Minneapolis, Minn. Apparatus for molding veneer boats. 2,625,187, Jan. 13.

Freestone, Oliver M., Paradise, Calif. Portable off-the-ground sprinkler apparatus. 2,625,434, Jan. 13.

Freeway Washer and Stamping Company, assignee: See—
Sutowski, Walter S.
French, Melvin H., Brookfield, assignor to Central Commercial Industries, Inc., Cook County, Ill. Pedal keyboard. 2,625,070, Jan. 13.

Frohling, William O., Newbury Township, Geauga County, Ohio. Vibrator with amplitude measuring circuit. 2,625,162, Jan. 13.

Froling, Robert O., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Tilttable propeller for aircraft. 2,625,347, Jan. 13.

Frye, Bunyan M., assignor of forty-nine per cent to H. M. Frye, Sr., and H. M. Frye, Jr., Dallas, Tex. Program alarm device. 2,625,222, Jan. 13.

Frye, Hugh M., Jr., assignee: See—
Frye, Bunyan M.
Frye, Hugh M., Sr., assignee: See—
Frye, Bunyan M.
Frye, Sandra A., Westerville, Ohio, assignor to American Machine & Foundry Company. Apparatus for discharging pins from the pits of bowling alleys. 2,625,397, Jan. 13.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter opening device for focusing. 2,625,088, Jan. 13.

Fuller, Leonard, London, assignor of one-half to E. W. Sudlow, Leigh-on-Sea, England. Storage battery plate grid. 2,625,574, Jan. 13.

Fulton Bag & Cotton Mills, assignee: See—
Carter, Jack W.
Gair, Robert, Company, Inc., assignee: See—
Wells, Arthur J.
Gaiser, Roney A., and C. M. Browne, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing unit. 2,625,640, Jan. 13.

Galloway, Glenn O., McLean, Va., assignor to Servel, Inc., New York, N. Y. Gas range. 2,625,140, Jan. 13.

Gammeter, Harry F., Cleveland Heights, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Sheet reversing mechanism for rotary perfecting sheet printing apparatus. 2,625,101, Jan. 13.

Garber, John D., and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Polymer composition and preparing same. 2,625,523, Jan. 13.

Gardner Machine Company, assignee: See—
Loofboro, Vernon L., and White.
Garner, Lloyd P., and W. N. Parker, Lancaster, Pa., assignors to Radio Corporation of America. High-frequency induction welding apparatus and process. 2,625,637, Jan. 13.

Garrett Corporation, The, assignee: See—
Lytle, Elvin D.
Wood, Homer J.
Garrett, Elmer E., Freeport, assignor to The Sperry Corporation, Long Island City, N. Y. Paper-cutting mechanism. 2,625,224, Jan. 13.

Gauchard, Fernand, Santeny, France. Aerosol generator. 2,625,156, Jan. 13.

Gauzel, Joseph, Jersey City, and A. J. Quinn, North Bergen, N. J., assignors to Comfort Spring Corporation, Baltimore, Md. Apparatus for crimping helical springs in innerspring construction. 2,625,636, Jan. 13.

Gaynor, Frank A., and C. G. Yates, Jr., Schenectady, N. Y., assignors to General Electric Company. Signal discriminator. 2,625,662, Jan. 13.

Geldhof, Peter E., and L. Ringer, assignors to Whirlpool Corporation, St. Joseph, Mich. Control and drive mechanism for automatic washing, rinsing, and drying machines. 2,625,248, Jan. 13.

General Electric Company, assignee: See—
Allison, Donald K.
Clark, Edward B., and Fagal.
Gaynor, Frank A., and Yates.
Gruen, Wolf J., and Zaloudek.
Hall, Clarence B.
Hoffman, Herbert N.
Howard, Alan, and Walker.
Lootens, William F.
Nason, Harold A.
Reisch, George J.
Tucker, John B.
General Engineering and Research Corporation, assignee: See—
Larrecq, Anthony J.
General Motors Corporation, assignee: See—
Brill, William E.
Kelley, Oliver K.
Prance, Stanley R., and Reindl.
Schmidt, Joseph F.
Underwood, Arthur F.
George, Gus, Rego Park, N. Y. Electric circuit distribution device. 2,625,591, Jan. 13.

Gerald, Curtis F.: See—
Haensel, Vladimir, and Gerald.
Gess, Louis, Jenkintown, Pa., assignor, by means assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Linkage manually operable to shift the set point of one or two control instruments. 2,625,167, Jan. 13.

Gibbs, Bradford C.: See—
Roberts, Samuel B., and Gibbs.
Gilbert & Barker Manufacturing Company, assignee: See—
Logan, Joseph A.
Tapp, Harry F., and Robinson.
Gilbert, Charles E., deceased, New York, N. Y.; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. Socket connector. 2,625,576, Jan. 13.

Gilbert, Margaret D., executrix: See—
Gilbert, Charles E.
Gillette Company, The, assignee: See—
Muro, Joseph.
Glasson, John G., San Anselmo, assignor to Merco Centrifugal Co., San Francisco, Calif. Continuous centrifuge of the type having an underflow return circuit. 2,625,321, Jan. 13.

Globe-Union Inc., assignee: See—
Coldwell, John S.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Top-capping heavy-duty tire. 2,625,199, Jan. 13.

Goebel, Herman L., assignor to Mitchell Manufacturing Company, Chicago, Ill. Lighting fixture which may be used individually or attached to similar fixture. 2,625,646, Jan. 13.

Goldberg, Ernest W., Chicago, Ill. Picture projector. 2,625,077, Jan. 13.

Goldberry, Kenneth E.: See—
St. John, Roscoe N., and Goldberry.
Goodnight, Austin G., Hanford, Calif. Mowing apparatus. 2,624,999, Jan. 13.

Goodrich, B. F., Company, The, assignee: See—
Folt, Vernon L.
Gowan, W. C., assignee: See—
Huggins, Clifford H.
Graham, Harold J., Highland Park, assignor to Graham Manufacturing Corporation, Ferndale, Mich. Welding system. 2,625,638, Jan. 13.

Graham Manufacturing Corporation, assignee: See—
Graham, Harold J.
Graham, Philip J., assignor to Trig Corporation, Worcester, Mass. Hinge for molded plastic parts and making the same. 2,624,907, Jan. 13.

Graton & Knight Company, assignee: See—
Chopinard, Albert E.
Green, Thomas S., Midland, Mich. Carrier. 2,625,308, Jan. 13.

Greenlee Bros. & Co., assignee: See—
Mansfield, Judson H.
Grepe, Frederick Y., assignor to Canadian Controllers, Limited, Toronto, Ontario, Canada. High-voltage contactor system. 2,625,627, Jan. 13.

Gresham, William F., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Trioxepane polymers. 2,625,569, Jan. 13.

Gribler, Elmer J., O'Fallon, and H. A. Lorens, Belleville, assignors to Independent Engineering Company, Inc., O'Fallon, Ill. Apparatus for drying gases. 2,625,237, Jan. 13.

Grimm, Walter L., Fayette, Ohio. Sunshade for motor vehicles. 2,625,358, Jan. 13.

Griewold, Dwight, West Hartford, Conn. Telephone indicia card holder. 2,624,965, Jan. 13.

Gruen, Wolf J., Syracuse, and T. V. Zaloudek, Liverpool, N. Y., assignors to General Electric Company. Television pulse separation circuit. 2,625,603, Jan. 13.

Gulf Research & Development Company, assignee: See—
Rocchini, Albert G.
Gulton Mfg. Corp., assignee: See—
Howatt, Glenn N.
Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Textile treating machine. 2,624,963, Jan. 13.

Haensel, Vladimir, Hinadale, Ill., and C. F. Gerald, Woodinville, Wash., assignors to Universal Oil Products Company, Chicago, Ill. Catalytic reforming process and catalyst therefor. 2,625,504, Jan. 13.

Haentjens, Otto, Hasleton, and W. D. Haentjens, Conyngham, Pa. Pump for vertical movement of liquids. 2,625,110, Jan. 13.

Haentjens, Walter D.: See—
Haentjens, Otto, and W. D.
Halst, Grant M.: See—
Russell, Harold D., and Halst.
Hale, Gerald A., assignor of one-quarter to C. Magee, Oklahoma City, one-quarter to G. A. Nicholson, and one-quarter to J. B. McGay, Tulsa, Okla. Automatic parking meter. 2,625,250, Jan. 13.

Hall, Bess H., assignee: See—
Hall, James A.
Hall, Clarence B., Schenectady, N. Y., assignor to General Electric Company. Article retaining clamp. 2,625,360, Jan. 13.

Hall, James A., assignor, by decree of distribution to B. H. Hall, Pratt, Kans. Horizontal rotary drill. 2,625,375, Jan. 13.

Haller, John, Detroit, Mich. Porous bearing with lubricant reservoir therein. 2,625,452, Jan. 13.

Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Automatic telegraph switching system. 2,625,001, Jan. 13.

Hanger, Alexander W., Staunton, Va. Rainproof fluorescent lamp fixture. 2,625,647, Jan. 13.

Haskins Container Company, The, assignee: See—White, Ray T.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Telegraph repeater. 2,625,609, Jan. 13.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Open telegraph line indicator. 2,625,608, Jan. 13.

Hanson, Andrew E., Linden, Calif. Electric drill holder and work clamp. 2,625,083, Jan. 13.

Happel, William E., assignor to Landis Tool Company, Waynesboro, Pa. Work loading device for machine tools. 2,624,985, Jan. 13.

Harbert, Otis D., Covina, Calif. Guide for electric hand-saws. 2,625,184, Jan. 13.

Harlequin Corporation, assignee: See—Singer, Martin B.

Harrington & Richardson Arms Company, assignee: See—Rowe, Charles E.

Harris, Stanley J., Mount Vernon, N. Y. Mattress covering bed sheet. 2,624,893, Jan. 13.

Harrison, Marshall L., Roslyn Estates, and W. D. Stearns, Freeport, assignors to Parker, Stearns and Company, New York, N. Y. Inflatable rubber article. 2,625,209, Jan. 13.

Harrison & Covington Hosiery Mills, assignee: See—Wilson, Grady W.

Hart, Leo E., Ferndale, and R. C. Brown, Detroit, Mich. Gas burner and secondary air feed means. 2,625,215, Jan. 13.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale stabilizing mechanism. 2,625,444, Jan. 13.

Hartig, Martval J. P., Glen Ridge, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Oxidation catalyst. 2,625,519, Jan. 13.

Hartough, Howard D.: See—Schick, John W., and Hartough.

Hartsler, Melvin E.: See—McKee, James H., and Hartsler.

Harvey, Bertrand G.: See—Robbins, Charles E., and Harvey.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Molding means for door operating levers. 2,625,421, Jan. 13.

Hasselbaum, Oscar H., Arlington, assignor to Joseph Poliak Corporation, Dorchester, Mass. Toggle switch. 2,625,620, Jan. 13.

Hathfield, Harold B., Jr., Bryn Mawr, Pa. Water trap for gasoline tanks. 2,625,288, Jan. 13.

Haydon, Arthur W., Cheshire, Conn., assignor to Phillips Laboratories, Inc., Irvington-on-Hudson, N. Y. Electrical apparatus. 2,625,661, Jan. 13.

Haythornthwaite, James J., assignor of one-half to Howard and Bullough Limited, Accrington, England. Motion converting means. 2,625,049, Jan. 13.

Healy, Frank L., Dongan Hills, and J. J. Connors, Brooklyn, N. Y., assignors to Todd Shipyard Corporation. Fire prevention system for fuel tanks. 2,625,298, Jan. 13.

Heck, Albert F.: See—Robinson, Eli A., and Heck.

Hedrick, Ross M.: See—Mowry, David T., and Hedrick.

Hedrick, Ross M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Conditioning cells. 2,625,529, Jan. 13.

Hedström, Sven E.: See—Landau, Frana, Carlsson, and Hedström.

Heibel, Jerome D., assignor to Erie Resistor Corporation, Erie, Pa. Tube socket. 2,625,582, Jan. 13.

Hell, Bernard R., Los Angeles, Calif. Drill guide. 2,625,062, Jan. 13.

Helm, Harold W., Chicago, Ill., assignor to International Harvester Company. Flow measuring device for pipe line systems. 2,625,041, Jan. 13.

Helm, Harold W., Chicago, Ill., assignor to International Harvester Company. Milk releaser. 2,625,133, Jan. 13.

Helms, Harold, Dorchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultrahigh-frequency switch tube. 2,625,668, Jan. 13.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. 1-benzoyloxy-2-alkylaminoindanes. 2,625,567, Jan. 13.

Hendricks, John G.: See—Williams, Francis J., and Hendricks.

Henn, Richard W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide developing solutions containing calcium precipitation inhibitors. 2,625,476, Jan. 13.

Henry, Charles W., Heanessey, Okla. Adjustable save gutter support or hanger. 2,625,353, Jan. 13.

Herman, John, assignor to J. W. Johnson Company, Chicago, Ill. Seam for tarpaulin or other waterproof fabric. 2,624,886, Jan. 13.

Herman, John, assignor to J. W. Johnson Company, Chicago, Ill. Apparatus for forming sealed lap seams. 2,625,126, Jan. 13.

Herrshoff, Alexander G., Groose Pointe, and J. P. Butterfield, assignors to Chrysler Corporation, Highland Park, Mich. Adjustable suspension for vehicles. 2,625,388, Jan. 13.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heating. 2,625,387, Jan. 13.

Heun, Rudolph O., Schuyler, Nebr. Grain unloading attachment. 2,625,001, Jan. 13.

Heymes, Pierre R., and I. Peyches, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, Paris, France. Process and apparatus for the production of fibers from thermoplastics. 2,624,912, Jan. 13.

Heywood, R. R., Co., Inc., assignee: See—Morrison, Nathan H.

Higgins, Merrill W.: See—Rogers, Wayne C., and Higgins.

Hight, James L., Fort Bragg, N. C. Automatic multiple parachute disconnect device. 2,625,423, Jan. 13.

Hill, Harold S., Lockport, N. Y. Oil and air preheater for oil burners. 2,625,211, Jan. 13.

Hinea, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Circuit checking apparatus. 2,625,596, Jan. 13.

Hirsch, Jack, Mamaroneck, N. Y. Accounting device. 2,625,408, Jan. 13.

Hirsson, Benjamin, assignor of one-half to J. A. Paparelli, Rio de Janeiro, Brazil. Supply container for composite tape. 2,625,200, Jan. 13.

Hodes, John H., Jr., Kansas City, Mo. Nonfreeze faucet. 2,625,173, Jan. 13.

Hoffman, Herbert N., Wakefield, Mass., assignor to General Electric Company. Composite pump for prime mover oil systems. 2,625,106, Jan. 13.

Hofmann, Alfred, & Co., assignee: See—Schoenater, Peter J., and Ebert.

Hoge, John H.: See—Zimmerman, Robert F., and Hoge.

Hoge, Warren, Zimmerman Co., assignee: See—Zimmerman, Robert F., and Hoge.

Hohmann, Frederick R., Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Forming double glazed units. 2,624,978, Jan. 13.

Hollerith, Charles, assignor to Lake State Products, Jackson, Mich. Hinged lid actuator and prop. 2,625,293, Jan. 13.

Hollins, Frank A.: See—Jones, Randlett F., and Hollins.

Holmes, Fred T., Denver, Colo. Spring oscillating chair. 2,625,205, Jan. 13.

Holohan, Bartholomew: See—Pinkham, Clarence A., and Holohan.

Holt, Frederick W., Jr., Troy, D. E. Bench. Trotwood, and W. Ernst, Dayton, assignors to The Brown-Bridge Mills, Inc., Troy, Ohio. Application of thermoplastic tape. 2,625,287, Jan. 13.

Holts, Harry G.: See—Chapman, Thomas J. C., Holtz, and Jenison.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Stamped metal vehicle wheel. 2,625,438, Jan. 13.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,625,439, Jan. 13.

Houdry Process Corporation, assignee: See—Barker, John W.

Kollgaard, Reyner.

Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for measuring phase and gain. 2,625,589, Jan. 13.

Houseworth, Clayton B.: See—Lichty, Paul E., and Houseworth.

Howard, Alan, and C. J. Walker, Schenectady, N. Y., assignors to General Electric Company. Gas turbine nozzle structure. 2,625,013, Jan. 13.

Howard, Arthur C., Upminster, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England. Handle structure for power-driven vehicles. 2,624,903, Jan. 13.

Howard, Arthur C., East Horndon, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England. Drive for forging furnaces. 2,625,383, Jan. 13.

Howard and Bullough Limited, assignee: See—Haythornthwaite, James J.

Howatt, Glenn N., assignor to Gulton Mfg. Corp., Metuchen, N. J. Transducer. 2,625,663, Jan. 13.

Huber, J. M., Corporation, assignee: See—Williams, Ira.

Huber, Karl: See—Baasner, Wilhelm, and Huber.

Huebner, Jack: See—Cone, Carol, and Huebner.

Huggins, Clifford H., Wichita Falls, assignor of one-third to W. C. Gowan, Dallas, Tex. Spading fork. 2,625,370, Jan. 13.

Hughes, George C., assignor to Reynolds Gas Regulator Company, Anderson, Ind. Pilot operated fluid pressure regulator. 2,624,980, Jan. 13.

Hunt, Gerald R., Long Beach, Calif. Line holder for winches. 2,625,373, Jan. 13.

Hunter Douglas Corporation, assignee: See—Fagg, Howard, and Starrett.

Huntling, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Anti-dribble valve. 2,625,437, Jan. 13.

Hydraulic Tools Corporation, assignee: See—Sykes, Robert E., and Newirth.

Hyman, William A., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Timber grapple. 2,625,424, Jan. 13.

I T E Circuit Breaker Company, assignee: See—Wood, Joseph D.

Iame, Harley, San Diego, Calif., assignor to Radio Corporation of America. Radar scanning system. 2,625,079, Jan. 13.

Illinois Railway Equipment Company, assignee: See—Smith, Edward F.

Illinois Watch Case Co., assignee: See—Ireland, Ellison S.

Independent Engineering Company, Inc., assignee: See—Grubler, Elmer J., and Lorens.

Industrial Patent Corporation, assignee: See—Wales, Nathaniel B.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Circuit breaker with shunt for changing current rating. 2,625,624, Jan. 13.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Free trip circuit breaker. 2,625,625, Jan. 13.

Injectables Research Corporation, assignee: See—Salh, Oscar G.

Inland Steel Company, assignee: See—Evans, Douglas N.

Institutum Divi Thomae Foundation, assignee: See—Embschhoff, George F.

International Electronics Company, The, assignee: See—Roberts, Bruce.

International Harvester Company, assignee: See—Evans, Arthur G.

Irish, Harold W. Orendorff, John W. Parish, Christian O., and Kibfeld. Ziskal, Joseph F.

Ipatieff, Vladimir N.: See—Pines, Herman, and Ipatieff.

Ireland, Ellison S., Elgin, Ill., assignor to Illinois Watch Case Co. Hinge construction. 2,624,908, Jan. 13.

Ireland, William P., Jr., Haddon Heights, N. J. Thread drag tester. 2,625,040, Jan. 13.

Ivers-Lee Company, assignee: See—Balforsberg, Leroy L.

Jackson, James O., Crafton, assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa. Wind tunnel and straight duct section for such tunnels. 2,625,038, Jan. 13.

Jacoby, Samuel J., St. Louis, Mo. Stand boiler with vertical fire tubes and horizontal water baffles. 2,625,138, Jan. 13.

Jarvis, Dixon T.: See—Krullkoek, Stanley J., Jr., and Jarvis.

Jenison, Brandon S.: See—Chapman, Thomas J. C., Holtz, and Jenison.

Jenkins, Andrew L., Delhi, La. Gravity sample heater. 2,625,641, Jan. 13.

Jenkins, Vance N.: See—Backlund, Peter S., and Jenkins.

Jenner, Ralph L., and C. D. Fiero, assignors to Lapn Insulator Company, Inc., Le Roy, N. Y. Guy insulator. 2,625,581, Jan. 13.

Jennings, Milton S., New York, N. Y. Automatically operating machine for filling baked articles with fluid material. 2,625,119, Jan. 13.

Jensen, Louis, Chicago, Ill., assignor to Uarco Incorporated. Assembling continuous-form stationery. 2,625,391, Jan. 13.

Jensen, Syvert M., assignor of one-half to C. E. Powers, Knoxville, Iowa. Carton opener. 2,624,936, Jan. 13.

Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay permutation-type switching system. 2,625,610, Jan. 13.

John, Frank T., and J. B. Cannon, Jr., assignors to The Pennsylvania Research Corporation, State College, Pa. Recording apparatus. 2,625,459, Jan. 13.

Johns-Manville Corporation, assignee: See—Powell, Edward R.

Johnson, J. W., Company, assignee: See—Herman, John.

Johnson, James E.: See—Williams, Harry M., and Johnson.

Johnson, Robert W., Princeton, N. J., assignor to Personal Products Corporation. Sanitary napkin. 2,625,161, Jan. 13.

Jones, Ivan E., and C. B. Reynolds, Orange, Calif. Trailer automatic brake applying means. 2,625,243, Jan. 13.

Jones, Randlett F., and F. A. Hollins, Frederick Hall, Va. Safety cigarette holder. 2,625,163, Jan. 13.

Jordan Regulator Corporation, assignee: See—Jordan, William V.

Jordan, William V., assignor to Jordan Regulator Corporation, Lebanon, Ohio. Mixing valve. 2,625,331, Jan. 13.

Joy Manufacturing Company, assignee: See—Currier, Leslie A., and Engel.

Osgood, Robert C., and Engel.

Julian, John A., Chicago, Ill., Apparatus for treating food products. 2,625,095, Jan. 13.

Kalm, Simon: See—Black, Bernard A., and Kalm.

Kanne, William R., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Monitoring gas for radioactive xenon. 2,625,657, Jan. 13.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Apparatus for sealing containers while crowning under vacuum. 2,625,312, Jan. 13.

Katsoff, Helen C. S., Kenmore, N. Y. Headboard for beds. 2,624,891, Jan. 13.

Kay Manufacturing Corporation, assignee: See—Krausner, Edwin G.

Keating, Patrick J., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Weather-resistant concrete. 2,625,489, Jan. 13.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,625,057, Jan. 13.

Keller Tool Company, assignee: See—Myers, John G.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Fluid drive and controls. 2,625,056, Jan. 13.

Kella, Edward L., Milwaukee, Wis., and D. H. Larsen, West Hollywood, Calif. Oxygen detection and measurement. 2,625,584, Jan. 13.

Kelly, Donald H.: See—Clark, Lauriston E., and Kelly.

Kelly, Henry W., Columbus, Ohio. Floor furnace with removable heating unit. 2,625,161, Jan. 13.

Kemp, Raymond A., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic bridge. 2,625,587, Jan. 13.

Kemp, Joseph N., Houston, Tex. Pivoted contact measuring tool. 2,624,948, Jan. 13.

Kennedy, Robert L., and W. H. Braddy, Metter, Ga. Adjustable punching bag stand. 2,625,356, Jan. 13.

Kent-Owens Machine Company, assignee: See—Tremblay, Albert F.

Kenyon, Robert C., Ferguson, assignor to Lewin-Mathes Company, St. Louis, Mo. Cutoff machine. 2,624,961, Jan. 13.

Kessler Chemical Co., Inc., assignee: See—Logan, Roger L.

Kice, Jack W., assignor to The Coleman Company, Inc., Wichita, Kans. Pipe and insulation structures. 2,625,263, Jan. 13.

Kice, Jack W., and J. M. Redmond, Jr., assignors to The Coleman Company, Inc., Wichita, Kans. Sheet assembly structure. 2,625,290, Jan. 13.

Kincald, Homer F.: See—Parish, Christian O., and Kincald.

King, John W., and J. J. McNamee, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio. Mounting. 2,625,351, Jan. 13.

Kingsboro Silk Mills, Inc., assignee: See—Quick, William G., and Wilson.

Kingsbury, Chadwick B., Ellsabethton, and R. H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Traverse guide trip. 2,625,333, Jan. 13.

Kinskie, Adam L., Morristown, Tenn. Belt supported battery case. 2,625,192, Jan. 13.

Kirby, James E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Neutral esters of dicarboxylic acid orthophosphoric acid mixed anhydrides and condensation polymerization process utilizing the same. 2,625,536, Jan. 13.

Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Noncaking detergent compositions. 2,625,513, Jan. 13.

Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Noncaking abrasive detergent compositions. 2,625,514, Jan. 13.

Klein, Samuel S.: See—Rhets, Joseph M., and Klein.

Klimek, Anthony J., Terre Haute, Ind. Foundry flask. 2,624,926, Jan. 13.

Knee, Simon, Newark, N. J. Combination wallet and purse. 2,625,189, Jan. 13.

Koch, King A., Evanston, Ill., assignor to Owens-Corning Fiberglass Corporation. Making plastic reinforced rods and bars. 2,625,498, Jan. 13.

Kohler, John J.: See—Swift, Donald D., and Kohler.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for elevating granular material. 2,625,442, Jan. 13.

Koltzoff, Isaac M., and W. J. Dale, Minneapolis, Minn., assignors to Phillips Petroleum Company. Diazothioethers in emulsion polymerization. 2,625,537, Jan. 13.

Kong, Pyung W., Seoul, Korea. Korean typewriter. 2,625,251, Jan. 13.

Konick, Arthur E., Collingswood, N. J., assignor to Radio Corporation of America. Electrical control circuits. 2,625,678, Jan. 13.

Koons, Paul M.: See—Buckey, Kenneth M., Koons, and Snurlino.

Konnel, Ernst R., assignor to Borg-Warner Corporation, Chicago, Ill. Liner for steel barrels. 2,625,297, Jan. 13.

Koppers Company, Inc., assignee: See—
Roper, John H.
Krakauer, Edwin G., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Cough hinge. 2,624,889, Jan. 13.
Kraus, William, Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sealing element for pressure vessels. 2,625,414, Jan. 13.
Kreft, Hermann E., Buenos Aires-Belgrano, Argentina. Electrical discharge lamp. 2,625,871, Jan. 13.
Kreitchman, Morton A., Irvington, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Washing machine provided with resilient collapsible inlet. 2,625,031, Jan. 13.
Kriseman, Jake, Detroit, Mich. Safety device for automotive vehicles. 2,625,051, Jan. 13.
Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm connector. 2,624,903, Jan. 13.
Krouse, Glen N., Columbus, Ohio. Magnetic measuring gauge. 2,625,585, Jan. 13.
Krulkooski, Stanley J., Jr., Dearborn, and D. T. Jarvis, assignors to Bendix Aviation Corporation, Detroit, Mich. Pulse forming circuit. 2,625,632, Jan. 13.
Kujawa, Clemens W., Cudahy, Wis. Double-acting hinge frame. 2,624,909, Jan. 13.
Kura-Kasch, Inc., assignee: See—
Bauman, Joseph J.
Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Viscous urea-formaldehyde compositions and preparing the same. 2,625,524, Jan. 13.
Kwasniewski, George A., Moundview Township, Ramsey County, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Centering device. 2,625,050, Jan. 13.
Lado, Anthony L., assignor, by mesne assignments, to Rome Grader Corporation, Rome, N. Y. Wheel mounting assembly. 2,625,232, Jan. 13.
Lakatos, Emory, Crawford, and B. McMillan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermistor control circuit. 2,625,606, Jan. 13.
Lake State Products, assignee: See—
Hollerith, Charles.
Lampe, John H., St. Louis, and R. G. Watel, Clayton, assignors to Professional Specialties, Inc., St. Louis, Mo. Knee crutch pad. 2,625,453, Jan. 13.
Landau, Franz, and J. E. Carlsson, Vasteras, and S. E. Hedström, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Saturable core reactor system. 2,625,877, Jan. 13.
Lander, James J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for measuring gas pressures. 2,625,586, Jan. 13.
Landis Tool Company, assignee: See—
Happel, William E.
Langen, Bero V., Fitchburg, Mass. Heat saving furnace. 2,625,139, Jan. 13.
Lapington, William D., Austell, Ga. Top wig for horses. 2,624,996, Jan. 13.
La Pointe, Gabriel M.: See—
Monson, Richard G., and La Pointe.
Lapp Insulator Company, Inc., assignee: See—
Jenner, Ralph L., and Fiero.
Larborn, Åke O. J., assignor to Aktiebolaget Volvo, Göteborg, Sweden. Fuel valve and nozzle for internal-combustion engines. 2,625,435, Jan. 13.
La Rocca, Joseph, Cleveland, Ohio. Traction device for pneumatic tires. 2,625,193, Jan. 13.
Larrecq, Anthony J., Yardley, Pa., assignor to General Engineering and Research Corporation, Trenton, N. J. Gas turbine power plant, including multiple fluid operated turbines. 2,625,012, Jan. 13.
Larsen, Delmar H.: See—
Kells, Edward L., and Larsen.
Laskowitz, Isidor B., Brooklyn, N. Y. Pitch change means for helicopter rotors. 2,625,227, Jan. 13.
Laskowitz, Isidor B., Brooklyn, N. Y. Automatic blade angle control for helicopters. 2,625,228, Jan. 13.
Lang, Ernet, Union City, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Cutting fluid and coolant. 2,625,509, Jan. 13.
Lawson, Elmer J., Benaselaer County, and A. Addelston, Queens County, assignors to Sterling Drug Inc., New York, N. Y. Preparing benzhydriol and 9-fluorenyl tertiary aminoalkanoates. 2,625,547, Jan. 13.
Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stop-motion for knitting machines. 2,625,026, Jan. 13.
Lazar, Melvin E.: See—
Wasserman, Theodore, and Lazar.
Lechner, Albert J., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft cargo door. 2,625,118, Jan. 13.
Lee, Jennie D., La Grange, Ga. Coin holder. 2,624,881, Jan. 13.
Lee, Jim, New York, N. Y. Folding stool. 2,625,208, Jan. 13.
Lee, John W., H. E. Martin, and W. M. Alexander, Indianapolis, Ind. Subcutaneous medication. 2,625,158, Jan. 13.

Leggett, Joseph H., Montclair, and F. C. Morris, Fairlawn, N. J., assignors to Curtiss-Wright Corporation. Vehicle engine cooling system utilizing air ejector pump to induce flow of additional cooling air. 2,625,009, Jan. 13.
Leone, David P., assignee: See—
Leone, Otto J.
Leone, Otto J., West Newton, assignor of one-half to D. P. Leone, Donora, Pa. Method and apparatus for controlling blast furnaces. 2,625,386, Jan. 13.
Le Tourneau, R. G., Inc., assignee: See—
Le Tourneau, Robert G.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Blade control unit for bulldozing machines. 2,624,961, Jan. 13.
Levin, Robert H., and A. V. McIntosh, Jr., Kalamazoo, Mich., and A. P. Centolella, Elkhart, Ind., assignors to The Upjohn Company, Kalamazoo, Mich. Steroid-aldehyde cyanohydrins. 2,625,545, Jan. 13.
Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3, 20-dicycloxy-5,7,9 (11), 17 (20)-pregnatriene adducts. 2,625,546, Jan. 13.
Lewin-Mathes Company, assignee: See—
Kenyon, Robert C.
Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Expansion bolt. 2,625,071, Jan. 13.
Libbey-Owens-Ford Glass Company, assignee: See—
Galser, Romey A., and Browne.
Licht, William, Jr.: See—
Metzger, George D., and Licht.
Lichty, Paul E., near Rittman, and C. B. Houseworth, assignors to The Akron Products Company, Seville, Ohio. Jack. 2,625,369, Jan. 13.
Lieberknecht, Karl, Inc., assignee: See—
Zesch, Eugene M.
Lind, Alvin C., Detroit, and B. M. Zehn, Mount Clemens, assignors to National Automotive Fibers, Inc., Detroit, Mich. Loading apparatus for ring clinching devices. 2,624,880, Jan. 13.
Lindsay Company, assignee: See—
Lindsay, Lynn G.
Lindsay, Lynn G., assignor to Lindsay Company, St. Paul, Minn. Valve mechanism. 2,625,166, Jan. 13.
Lingenbrink, Hermann E. F. C., Hilltown, assignor to Philco Corporation, Philadelphia, Pa. Phonograph tone arm. 2,625,400, Jan. 13.
Liquid Carbonic Corporation, The, assignee: See—
Kantor, James.
Little, Ellwood E., assignor to The Coleman Company, Inc., Wichita, Kans. Space heating hot-air furnace for house trailers and the like. 2,625,150, Jan. 13.
Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Single dosage disposable hypodermic syringe ampoule and assembly. 2,625,157, Jan. 13.
Lockheed Aircraft Corporation, assignee: See—
Lechner, Albert J.
Loehle, Joseph N., Baltimore, Md., assignor to the United States of America as represented by the Secretary of War. Protective preparation against mustard gas. 2,625,500, Jan. 13.
Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Unloading means for gasoline dispensing pumps. 2,625,108, Jan. 13.
Logan, Roger L., assignor to Kessler Chemical Co., Inc., Philadelphia, Pa. Making organic compounds. 2,625,558, Jan. 13.
Long, Leonard D., Charleston, S. C. Press for molding concrete building elements. 2,624,928, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Azo dyes from 2-aminothiophene. 2,625,541, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Azo dyes from 2-aminothiophene. 2,625,542, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 2-acetoacetylaminothiophene. 2,625,551, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 2-(2'-hydroxy-3'-naphthylthio)thiophene. 2,625,552, Jan. 13.
Loofboro, Vernon L., Rockton, Ill., and R. A. White, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill. Abrasive disk. 2,624,986, Jan. 13.
Loofboro, Vernon L., Rockton, Ill., and R. A. White, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill. Abrasive disk. 2,624,987, Jan. 13.
Lootens, William F., Syracuse, N. Y., assignor to General Electric Company. Level winding mechanism. 2,625,346, Jan. 13.
Lorenz, Herman A.: See—
Gribler, Elmer J., and Lorenz.
Lotthammer, Eric K.: See—
Bodin, Alfred, and Lotthammer.
Lovshin, Frank A.: See—
Dufourd, Andrew J., and Lovshin.
Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Automatic plate trimming machine. 2,625,223, Jan. 13.
Lundquist, Wilton G., Hoboken, N. J., assignor to Curtiss-Wright Corporation. Compound engine. 2,625,006, Jan. 13.

Lupo, Frank J., Hackensack, assignor to Chatham Electronics Corporation, Newark, N. J. Voltage regulator. 2,625,875, Jan. 13.
Lustur Seal Corporation, assignee: See—
Wiley, Darrell R.
Lynch, Charles S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Terpolymers of sulfur dioxide, monoolefinic materials and a liquid polymer of a conjugated diene, and their production. 2,625,525, Jan. 13.
Lyon, George A., Detroit, Mich. Ornamental wheel cover. 2,625,440, Jan. 13.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., South Walpole, Mass. Centrifuge for rapid extraction of fine particles from suspensions. 2,625,320, Jan. 13.
Lytle, Elvin D., assignor to The Garrett Corporation, Los Angeles, Calif. Electric-hydraulic power unit. 2,625,060, Jan. 13.
MacCallum, Alan M.: See—
Noxon, Paul A., MacCallum, and Murphy.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container. 2,625,317, Jan. 13.
Machlett Laboratories, Incorporated, assignee: See—
Agule, George J.
MacKenzie, Charles A.: See—
Rust, John B., and MacKenzie.
MacLagan, Allan R., assignor to Eastman Oil Well Survey Company, Denver, Colo. Inclination indicator. 2,624,952, Jan. 13.
MacManus, Katie L., Apopka, Fla. Shoulder pad. 2,624,885, Jan. 13.
Magee, Carl, assignee: See—
Hale, Gerald A.
Magerlein, Barney J.: See—
Weisblatt, David L., Magerlein, and Rolfsen.
Magnetrol, Inc., assignee: See—
Blinford, Benjamin L.
Mahike, Oscar W., Washington, D. C. Nonmagnetic brake pivot. 2,625,451, Jan. 13.
Mahoney, George R., Tariffville, Conn. Fountain dispenser for paste or the like. 2,625,302, Jan. 13.
Malco Company, Incorporated, The, assignee: See—
Barron, Fred E.
Mallett, Edwin A., and M. M. Seeloff, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Seam welder head. 2,625,839, Jan. 13.
Maloney-Crawford Tank & Manufacturing Company, assignee: See—
Wilson, Samuel A.
Maloney, Harry P., Santa Ana, Calif. Double-acting reciprocating pump. 2,625,115, Jan. 13.
Manafeld, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Work position responsive control mechanism. 2,625,061, Jan. 13.
Manufacturers and Traders Trust Company, The, assignee: See—
Wilson, Frank C.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Stapling machine. 2,624,878, Jan. 13.
Marchand, Nathan: See—
Cloud, Jerry L., and Marchand.
Markem Machine Company, assignee: See—
Robbins, Charles F., and Harvey.
Mart, Harry A., Chicago, Ill., assignor, by mesne assignments, to Fil-O-Matic Corporation. Fuel dispensing device with rotatable nozzle communicating with venting and liquid dispensing openings. 2,625,304, Jan. 13.
Martin, Fred P., Topeka, Kans. Drive axle mounted for swinging and rocking motion. 2,625,231, Jan. 13.
Martin, Hugh E.: See—
Lee, John W., Martin, and Alexander.
Massey, John E., North Garden, Va. Antihreeding shield and harness for bulls. 2,625,134, Jan. 13.
Mastin, Thomas G., Akron, and N. V. Seeger, Silver Lake, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Elastomeric diisocyanate modified polyesters. 2,625,535, Jan. 13.
Mataré, Herbert: See—
Sueur, René, Welker, Mataré, and Bethge.
Materials Blasting Company, Inc., assignee: See—
Bugg, Kenly C.
Mathia, John A., Pinckneyville, Ill. Device for inhibiting sleep. 2,625,594, Jan. 13.
Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. High-capacity current limiter. 2,625,626, Jan. 13.
Mattil, Karl F.: See—
Dominick, William M., Nelson, and Mattil.
Nelson, De Witte, and Mattil.
Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Modified lard and producing same. 2,625,478, Jan. 13.
Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,479, Jan. 13.
Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,480, Jan. 13.
Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,481, Jan. 13.

Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,482, Jan. 13.
Mattil, Karl F., Chicago, and D. Nelson, Elmhurst, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,483, Jan. 13.
Maxim, Edward G., Barberton, Ohio. Infant's diaper substitute or the like. 2,625,160, Jan. 13.
Maxson, Orland R., Denver, Colo. Single-action spinning reel. 2,625,341, Jan. 13.
Mayer, Charles H., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Valve core for pneumatic tire valve stems. 2,625,170, Jan. 13.
Mayer, Stuart A., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrodepositing nickel. 2,625,507, Jan. 13.
Mays, Wilbur W., Philadelphia, Pa. Dispensing closure for bottles which can be locked in closed condition. 2,625,303, Jan. 13.
Maytag Company, The, assignee: See—
Smith, Thomas R.
McArn, Theodore A., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Expandable roll shaft. 2,625,338, Jan. 13.
McBride, Charles B., Port Chester, N. Y., P. F. Best, and S. R. Orem, Jr., Riverside, assignors to The Thermix Corporation, Greenwich, Conn. Apparatus for separating suspended particles from gases. 2,625,240, Jan. 13.
McCarzar, George L., Detroit, Mich. Centrifuge. 2,625,260, Jan. 13.
McCarthy, James F., Mara, Pa., assignor to Treedale Laboratories and Textile Processing Company, Inc. Mattress construction. 2,624,894, Jan. 13.
McClintock, Frederick N., Jr., Havre de Grace, Md. Assembling elevator lift mechanism. 2,625,258, Jan. 13.
McCormick, Francis A.: See—
Willske, Julius E., Benoit, and McCormick.
McFadden, John D., Chattanooga, Tenn. Elevating mechanism for overhead doors. 2,625,390, Jan. 13.
McGay, John B., assignee: See—
Hale, Gerald A.
McGraw Electric Company, assignee: See—
Rigert, Max.
McIntosh, A. Vern, Jr.: See—
Levin, Robert H., McIntosh, and Centolella.
Levin, Robert H., McIntosh, and Spero.
McKee Door Company, assignee: See—
McKee, James H., and Hartzler.
McKee, James H., Aurora, and M. E. Hartsler, Downers Grove, assignors to McKee Door Company, Aurora, Ill. Overdoor. 2,625,221, Jan. 13.
McMillan, Alfred, New York, N. Y. Steam engine slide valve control device. 2,625,137, Jan. 13.
McMillan, Brockway: See—
Lakatos, Emory, and McMillan.
McNamee, James J.: See—
King, John W., and McNamee.
Mechanical Products, Inc., assignee: See—
Ingwersen, Richard C.
Meehanite Metal Corporation, assignee: See—
Smalley, Oliver.
Mena, Frank G., Galveston, Tex. Cuff marker. 2,624,945, Jan. 13.
Mendelson, Irving, Paterson, N. J., assignor to Curtiss-Wright Corporation. Vibration testing apparatus. 2,625,659, Jan. 13.
Merck & Co., Inc., assignee: See—
Siettinger, Meyer, and Tishler.
Merco Centrifugal Co., assignee: See—
Glasson, John G.
Mergenthaler Linotype Company, assignee: See—
Turner, Ransom H.
Merry, Roy L., Milo, Maine. Sawing machine with improved feed actuation. 2,625,185, Jan. 13.
Metzger, George D., Cincinnati, and W. Licht, Jr., Mariemont, Ohio. Desiccant. 2,625,516, Jan. 13.
Michael, Vesta F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Separation of oxygenated compounds with bisulfite adducts. 2,625,560, Jan. 13.
Middlemark, Marvin P., Woodside, N. Y. High-frequency system employing a reflector. 2,625,635, Jan. 13.
Miles Park Machine & Tool, Inc., assignee: See—
King, John W., and McNamee.
Miller, John M., Poughkeepsie, N. Y. Telescope gun sight mount. 2,624,946, Jan. 13.
Miller, Robert J., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of aryl tetracarboxylic acid anhydrides. 2,625,655, Jan. 13.
Miner, W. H., Inc., assignee: See—
Haehtline, Stacy R.
Minneapolis-Honeywell Regulator Company, assignee: See—
Gess, Louis.
Huntington, William L.
Kwasniewski, George A.
Ruhland, Roman C.
Squier, Ralph T.
Mississippi Valley Research Laboratories, Inc., assignee: See—
Doelling, George L., and Adams.
Mitchell, John A., Mount Pleasant, Pa. Gauge for aligning a string of pipe with a grade line. 2,624,950, Jan. 13.

Mitchell Manufacturing Company, assignee: See—
 Goebel, Herman L.
 Mitten, Frank P., Redlands, Calif. Chest of drawers. 2,625,455, Jan. 13.
 Mojonier Bros. Co. Inc., assignee: See—
 Cross, Joseph A.
 Monsanto Chemical Company, assignee: See—
 Darby, Joseph R.
 Hedrick, Ross M., and Mowry.
 Mowry, David T., and Hedrick.
 Montclair Research Corporation, assignee: See—
 Rust, John B., and MacKensie.
 Montross, Eugene E., and P. L. Shurr, assignors to The Polymer Corporation, Reading, Pa. Mechanism for forming strip stock from polyamides. 2,624,913, Jan. 13.
 Moog, William C., Jr., East Aurora, assignor, by mesne assignments, to Research Corporation, New York, N. Y. Electrohydraulic servo mechanism. 2,625,136, Jan. 13.
 Moore, James A.: See—
 Snell, Esmond E., Wittle, and Moore.
 Moore, Robert E., Whittier, Calif., assignor to Amana Refrigeration, Inc., Amana, Iowa. Refrigerator construction. 2,625,291, Jan. 13.
 Moore, Robert J., Oakland, assignor to Shell Development Company, Emeryville, Calif. Lubricating grease composition. 2,625,510, Jan. 13.
 Moore, Vincent, Ridgewood, N. J., assignor to Curtiss-Wright Corporation, Shrouded impeller. 2,625,365, Jan. 13.
 Moran, William O., Tulsa, Okla. Support for lines and the like. 2,625,342, Jan. 13.
 Morgan Construction Company, assignee: See—
 Beaman, Phineas A.
 Morgan, Hillel J., La Plata, Md. Plant bed sterilizer. 2,625,123, Jan. 13.
 Morgan, Rubie F., assignor of twenty-five per cent to F. Vann, Trussville, Ala. Jet action carburetor. 2,625,469, Jan. 13.
 Morrill, Alfred R., deceased, by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,625,124, Jan. 13.
 Morrill, Ruth W., administratrix: See—
 Morrill, Alfred R.
 Morris, Francis C.: See—
 Leggett, Joseph H., and Morris.
 Morris, Paul, Chattanooga, Tenn., assignor to the Tennessee Valley Authority. Plotting device. 2,624,951, Jan. 13.
 Morrison, Montford, Upper Montclair, N. J. Heat-sensitive recording element. 2,625,494, Jan. 13.
 Morrison, Nathan H., Lowell, Mass., assignor, by mesne assignments, to R. R. Heywood Co., Inc., New York, N. Y. Machine for inserting cards or the like under envelope flaps. 2,625,362, Jan. 13.
 Morser, Weldon L., Merced, Calif. Reflective marker. 2,625,130, Jan. 13.
 Moser, Frank B., assignor to The National Cash Register Company, Dayton, Ohio. Transaction counter selection and control. 2,625,322, Jan. 13.
 Moskoff, Morris, New York, N. Y. Saw blade lubricator for hand saws. 2,625,188, Jan. 13.
 Motor Wheel Corporation, assignee: See—
 Horn, Harry J.
 Mowry, David T.: See—
 Hedrick, Ross M., and Mowry.
 Mowry, David T., and R. M. Hedrick, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Fertilizing compositions. 2,625,471, Jan. 13.
 Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge and Iron Company, Ladder for floating roof tanks. 2,625,314, Jan. 13.
 Moynahan Bronze Co., assignee: See—
 Cudini, Roger G.
 Mueller, John H., Kansas City, Mo. Packaged power sprayer. 2,625,431, Jan. 13.
 Mull, Arthur B.: See—
 Fisher, Norman A., and Mull.
 Muller Machinery Company, Inc., assignee: See—
 Bjornstad, Thor.
 Multi-Meter Corporation, assignee: See—
 Williams, William D., and Binley.
 Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,625,326, Jan. 13.
 Munson, Richard G., and G. M. La Pointe, assignors to W. M. Steele Company, Incorporated, Worcester, Mass. Method of and apparatus for heat treatment of filamentary material. 2,624,934, Jan. 13.
 Muros, Joseph, Newtonville, assignor to The Gillette Company, Boston, Mass. Blade-dispensing magazine. 2,625,260, Jan. 13.
 Murphy, Dorothy, Kent, Conn. Mixing and dispensing device. 2,625,430, Jan. 13.
 Murphy, Emanuel, Logansport, Ind. Water trough. 2,625,289, Jan. 13.
 Murphy, Norman R.: See—
 Noxon, Paul A., MacCallum, and Murphy.
 Murphy, Peter J., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing closure. 2,625,306, Jan. 13.
 Murray, Maxton F.: See—
 Ott, Arnold C., and Murray.
 Myers, John O., assignor to Keller Tool Company, Grand Haven, Mich. Holst hook assembly. 2,625,006, Jan. 13.
 Nash, David D., executor, assignee: See—
 Willson, Frank C.
 Nasmith, John I., and F. K. Daniels, assignors to Vickers-Armstrongs Limited, London, England. Definite position release clutch. 2,625,245, Jan. 13.
 Nasen, Harold A., Erie, Pa., assignor to General Electric Company. Heat transfer assembly. 2,625,378, Jan. 13.
 National Automotive Fibers, Inc., assignee: See—
 Lind, Alvin C., and Zuhn.
 National Cash Register Company, The, assignee: See—
 Bucky, Kenneth M., Koons, and Spurlino.
 Moser, Frank B.
 Mumma, Robert E.
 Nelson, Gunnar.
 Slonneger, Bruce K.
 Williams, Harry M., and Johnson.
 National Lead Company, assignee: See—
 Williams, Francis J., and Hendricks.
 National Plastics, Inc., assignee: See—
 Van Deventer, Christopher, III.
 National Supply Company, The, assignee: See—
 Trishman, Lawrence E.
 Navy, United States of America as represented by the Secretary of the, assignee: See—
 Chance, Britton.
 Downes, William A.
 Sheckels, Glenn D.
 Nebesar, Robert J., Bristol, Tenn., assignor to Universal Moulded Products Corporation, Bristol, Va. Surfaced fabric and making same. 2,625,499, Jan. 13.
 Nekarda, Victor F., Teaneck, N. J. Orienting articles of predetermined shapes. 2,625,282, Jan. 13.
 Nelpin Manufacturing Co., Inc., assignee: See—
 Pitkham, Clarence A., and Holohan.
 Nelson, De Witte: See—
 Dominick, William E., and Nelson.
 Dominick, William E., Nelson, and Mattil.
 Mattil, Karl F., and Nelson.
 Nelson, De Witte, Elmhurst, and K. F. Mattil, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,486, Jan. 13.
 Nelson, De Witte, Elmhurst, and K. F. Mattil, assignors to Swift & Company, Chicago, Ill. Modification of lard. 2,625,487, Jan. 13.
 Nelson, Gunnar, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,625,323, Jan. 13.
 Nelson, Joseph F.: See—
 Sparks, William J., and Nelson.
 Neuman, Leonard J., Houston, Tex. Controlling fluid infiltration. 2,625,374, Jan. 13.
 Neuwirth, John A.: See—
 Sykes, Robert E., and Neuwirth.
 Newcomb, Edwin W., Greenfield, Mass. Device for plumbing vertical objects. 2,624,953, Jan. 13.
 Newswanger, Thomas A., Holtwood, Pa. Cleaning apparatus for bowling balls and the like. 2,624,898, Jan. 13.
 Nicholson, George A., assignee: See—
 Hale, Gerald A.
 Nihon, Alexis, Montreal, Quebec, Canada. Window. 2,625,218, Jan. 13.
 Nikkel, Albert, Shafter, Calif. Irrigation border dam forming machine. 2,625,092, Jan. 13.
 Nistri, Umberto, Rome, Italy. Photogrammetrical plotting projector apparatus for radial nadir point triangulation. 2,625,074, Jan. 13.
 Norris, Frank A.: See—
 Mattil, Karl F., and Norris.
 North American Aviation, Inc., assignee: See—
 Brubaker, John W., Sans, and Scully.
 Cooper, Ellis W.
 Crowley, Ernest W.
 North American Rayon Corporation, assignee: See—
 Kingsbury, Chadwick B., and Carter.
 Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Producing hydrogen cyanide. 2,625,463, Jan. 13.
 Norton Company, assignee: See—
 Sjogren, John K.
 Norton, Merritt R., West Haven, Conn. Fish lure. 2,624,971, Jan. 13.
 Nosco, Louis C., assignor to Eastman Kodak Company, Rochester, N. Y. Double beam attachment for contour projectors. 2,625,076, Jan. 13.
 Noxon, Paul A., Tenafly, A. M. MacCallum, Maywood, and N. B. Murphy, West Englewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic pilot. 2,625,348, Jan. 13.
 Nymberg, Raymond: See—
 Benaglio, Reno V., and Nymberg.
 Ohio Brass Company, The, assignee: See—
 Lewis, Warren J.
 Oliver, John R., assignee: See—
 Oliver, Virginia M.
 Oliver, Virginia M., assignor of fifty per cent to J. R. Oliver, Tempe, Ariz. Mixing bowl. 2,625,020, Jan. 13.
 Onia, John, Berkley, and G. S. Silvra, assignors to Bendix Aviation Corporation, Detroit, Mich. Control apparatus. 2,625,632, Jan. 13.
 Ophelm, Aldrid N.: See—
 Wilcox, Henry O., Raymond, and Ophelm.

Orem, Sidney R., Jr.: See—
 McBride, Charles B., Best, and Orem.
 Orendorf, John W., Canton, Ill., assignor to International Harvester Company. Beet harvester. 2,624,907, Jan. 13.
 Osborne, Le Roy M., San Rafael, and B. Stockfeth, Paradise Cove, Calif. Card punch. 2,624,940, Jan. 13.
 Osgood, Robert C., and F. B. Engel, Claremont, N. H., assignors to Joy Manufacturing Company. Fluid supply connection for shovel centering means. 2,625,281, Jan. 13.
 Ott, Arnold C., and M. F. Murray, assignors to The Upjohn Company, Kalamazoo, Mich. Oxidizing steroid alcohols. 2,625,556, Jan. 13.
 Owens-Corning Fiberglass Corporation, assignee: See—
 Koch, King A.
 Owens-Illinois Glass Company, assignee: See—
 Adams, Dan B.
 Murphy, Peter J.
 Wilske, Julius E., Benoit, and McCormick.
 Package Machinery Company, assignee: See—
 Crocasso, Francis C.
 Packard Motor Car Company, assignee: See—
 Williams, Robert M.
 Page, John S., Long Beach, Calif. Flow controlling device. 2,625,172, Jan. 13.
 Panhandle Eastern Pipe Line Company, assignee: See—
 Slevert, Oscar M.
 Paparelli, Joseph A., assignee: See—
 Hirsman, Benjamin.
 Parleb, Christian O., Rock Island, and H. F. Kincaid, Carbon Cliff, Ill., assignors to International Harvester Company. Insulated inductor block for descaling metals. 2,625,644, Jan. 13.
 Parish, Willard E.: See—
 Bush, Harold L., and Parish.
 Parke, Davis & Company, assignee: See—
 Snell, Esmond E., Wittle, and Moore.
 Parker, Stearns and Company, assignee: See—
 Harrison, Marshall L., and Stearns.
 Parker, William N.: See—
 Garner, Lloyd P., and Parker.
 Parks & Woolson Machine Co., assignee: See—
 Hadley, Wilfred N.
 Parr, Harold L., assignor to Parr Instrument Co., Moline, Ill. Pressure container with removable closure. 2,625,296, Jan. 13.
 Parr Instrument Co., assignee: See—
 Parr, Harold L.
 Parlish, Tom E., Beaumont, Tex. Automatic shutoff device. 2,625,169, Jan. 13.
 Parsons, John B., Maumee, Ohio. Electrical switch structure. 2,625,616, Jan. 13.
 Patterson, William, Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Rheometer. 2,625,034, Jan. 13.
 Paul, Donald: See—
 Rainbow, Horace S., and Paul.
 Paul, Terri M.: See—
 Paul, Theresa.
 Paul, Theresa, now by change of name Terri Marie Paul, Berwyn, Ill. Permanent waving device. 2,625,164, Jan. 13.
 Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Power drive. 2,624,895, Jan. 13.
 Peck, Clifford E., Indianapolis, Ind. Laterally traversing vertical blind. 2,625,219, Jan. 13.
 Peeps, Donald J., assignor to The De Villblas Company, Toledo, Ohio. Means for electrostatically charging spray material. 2,625,500, Jan. 13.
 Penker, Ernest, Queens County, assignor to Etched Products Corporation, Long Island City, N. Y. Forming name plates. 2,624,935, Jan. 13.
 Penker, Ernest, Flushing, assignor to Etched Products Corporation, Long Island City, N. Y. Folding rafter square. 2,624,947, Jan. 13.
 Penn Controls, Inc., assignee: See—
 Wood, Wilbur W.
 Pennsylvania Research Corporation, The, assignee: See—
 John, Frank T., and Cannon.
 Persak, Kenneth J., Hackensack, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Glossy molding process for ethylene polymers. 2,624,916, Jan. 13.
 Personal Products Corporation, assignee: See—
 Johnson, Robert W.
 Pessina, Louis A., Jacksonville, Ill. Steam bath. 2,624,887, Jan. 13.
 Peters, Melville F., Essex County, N. J. Apparatus for measuring potential differences in liquid. 2,625,588, Jan. 13.
 Peterson, John K., Minneapolis, Minn. Fishtail clamp and mounting. 2,624,910, Jan. 13.
 Peterson, Walter G., Eugene, Oreg. Paper carton collapse. 2,625,090, Jan. 13.
 Petit, Jean P. G., Paris, assignor to Societe d'Exploitation de Brevets, Boulogne-sur-Mer, France. Dynamoelectric machine. 2,625,674, Jan. 13.
 Petty, William M., Evergreen, Colo. Closure remover with pivoted gripping jaws. 2,625,066, Jan. 13.
 Peychea, Ivan: See—
 Heymes, Pierre R., and Peychea.
 Phalin, Harry O.: See—
 Clever, William R., and Phalin.
 Philco Corporation, assignee: See—
 Lingenbrink, Herman E. F. C.
 Phillips Laboratories, Inc., assignee: See—
 Haydon, Arthur W.
 Phillips, Matthew H., assignor of twenty-four per cent each to C. V. Welty and H. L. Fischer, St. Paul, Minn. Display sign and making the same. 2,625,967, Jan. 13.
 Phillips Petroleum Company, assignee: See—
 Bearer, Louis C.
 Cooper, William T.
 Crawford, Chester C.
 Koltzoff, Isaac M., and Dale.
 Lynch, Charles S.
 Plazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Carton transfer mechanism. 2,625,254, Jan. 13.
 Pike, Robert D., and M. Y. Seaton, Greenwich, Conn., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Mining operation. 2,625,384, Jan. 13.
 Pines, Herman, Chicago, and J. A. Vesely, Evanston, assignors to Universal Oil Products Company, Chicago, Ill. Halosylation of thiophenes. 2,625,553, Jan. 13.
 Pines, Herman, Chicago, and J. A. Vesely, Evanston, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of polyhydric phenols and ethers of polyhydric phenols. 2,625,570, Jan. 13.
 Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Di-(alkylphenyl)-alkenes. 2,625,571, Jan. 13.
 Pinks, David, Norwalk, Conn. Dispensing cigarette case with lighter support means. 2,625,262, Jan. 13.
 Pitkham, Clarence A., Douglaston, and B. Holohan, Kew Gardens, assignors to Nelpin Manufacturing Co., Inc., Long Island City, N. Y. Needle threading device. 2,625,307, Jan. 13.
 Pitter, William E., Bloomington, Ind. Telescoping piston type lifting jack. 2,625,135, Jan. 13.
 Pittsburgh Corning Corporation, assignee: See—
 Clever, William R., and Phalin.
 Pittsburgh-Des Moines Company, assignee: See—
 Jackson, James O.
 Pittsburgh Plate Glass Company, assignee: See—
 Hohmann, Frederick R.
 Polizzi, Anthony C., Rochester, N. Y. Corsage frame. 2,624,968, Jan. 13.
 Pollak, Joseph, Corporation, assignee: See—
 Hasselbaum, Oscar H.
 Pollock, Howard B., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Odorant for gaseous fuels. 2,625,518, Jan. 13.
 Polymer Corporation, The, assignee: See—
 Montross, Eugene E., and Shurr.
 Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Expanded perlite insulation and manufacture. 2,625,512, Jan. 13.
 Powers, Cyril E., assignee: See—
 Jensen, Syvert M.
 Prance, Stanley R., and H. J. Reindl, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Conditioning brightening baths. 2,625,468, Jan. 13.
 Prechel, Elmer G., Springfield, Minn. Automatic self-dumping bale carrier. 2,625,002, Jan. 13.
 Price, Donald J., Hewlett, N. Y., assignor to Westinghouse Air Brake Company. Quick-acting valve device. 2,625,178, Jan. 13.
 Price, George C., Battle Creek, Mich. Electrical service mast. 2,625,580, Jan. 13.
 Price, Herbert K., and J. L. Taylor, San Francisco, Calif. Coin controlled time alarm device. 2,625,240, Jan. 13.
 Productive Inventions, Inc., assignee: See—
 Krohm, Fred A.
 Professional Specialties, Inc., assignee: See—
 Lampe, John H., and Watel.
 Pujda, Alfred G., assignor to Colonial Sheet Metal Works, Bridgeport, Conn. Layout measuring tool. 2,624,944, Jan. 13.
 Pursche, Harry A., Gardena, Calif. Two-way plow. 2,625,089, Jan. 13.
 Pursche, Harry A., Gardena, Calif. Two-way plow. 2,625,090, Jan. 13.
 Pursche, Harry A., Gardena, Calif. Two-way plow. 2,625,091, Jan. 13.
 Querry, Merle V.: See—
 Baker, Bernard R., and Querry.
 Quick, William G., and W. O. Wilson, assignors to Kingsboro Silk Mills, Inc., Dalay, Tenn. Yarn cleaner. 2,624,933, Jan. 13.
 Quinn, Aloysius J.: See—
 Gauci, Joseph, and Quinn.
 Radio Corporation of America, assignee: See—
 Battle, William K.
 Chandler, Charles H.
 Garner, Lloyd P., and Parker.
 Iams, Harley.
 Konick, Arthur E.
 Sadowsky, Meler.
 Somers, Frank J.
 Rainbow, Horace S., and D. Paul, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Mounting of the stator blades of gaseous fluid turbines. 2,625,367, Jan. 13.

Rapco S.A., assignee: See—
Rave, Jean.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Fuel feeding and accessory system for motor vehicles. 2,625,212, Jan. 13.

Ranscher, Frederic A., North Hollywood, Calif. Drying rack. 2,625,277, Jan. 13.

Rave, Jean, Nice, France, assignor to Rapco S. A., Tangle, North Africa. Means for fastening shoe laces. 2,624,927, Jan. 13.

Raymond, John C.: See—
Wilcox, Henry O., Raymond, and Ophelm.

Raytheon Manufacturing Company, assignee: See—
Anderson, Homer G.

Ream, Sarah, assignee: See—
Ream, William H.

Ream, William H., assignor of one-half to S. Ream, Johnstown, Pa. Hair-trimming comb. 2,624,937, Jan. 13.

Redmond, John M., Jr.: See—
Klee, Jack W., and Redmond.

Reed, Blair J., assignee: See—
Reed, Ira F.

Reed, Ira F., assignor of one-half to B. J. Reed, Johnstown, Pa. Wall block mold. 2,624,929, Jan. 13.

Reed, Stanley F., Washington, D. C. Apparatus for handling of foods. 2,625,242, Jan. 13.

Rees, Walter R., Kansas City, Mo. Tie forming and holding pin. 2,624,883, Jan. 13.

Reichman, Samuel G., Flint, Mich. Combination ottoman and chair. 2,625,204, Jan. 13.

Reindl, Harold J.: See—
France, Stanley R., and Reindl.

Reisch, George J., Devon, Conn., assignor to General Electric Company. Radial flow electric fan. 2,625,319, Jan. 13.

Research Corporation, assignee: See—
Moog, William C., Jr.

Resina Automatic Machinery Co. Inc., assignee: See—
Resina, Manuel S.

Resina, Manuel S., deceased; R. Resina, executrix, assignor to Resina Automatic Machinery Co. Inc., Brooklyn, N. Y. Hopper cap feeder. 2,625,313, Jan. 13.

Resina, Rosa, executrix: See—
Resina, Manuel S.

Reynolds, Charles B.: See—
Jones, Ivan E., and Reynolds.

Reynolds Gas Regulator Company, assignee: See—
Hughes, George C.

Rheina, Joseph M., and S. S. Klein, Cincinnati, Ohio. Telephone holder or support. 2,625,612, Jan. 13.

Rhinehart, John R., Ridgewood, and C. H. Ehrlich, Hasbrouck Heights, assignors to Belco Industrial Equipment Division, Inc., Paterson, N. J. Apparatus for separating gases from liquid. 2,625,236, Jan. 13.

Rhodes, Thomas J., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Plastic spreading method and apparatus. 2,624,914, Jan. 13.

Richardson, Cleve: See—
Richardson, Lawrence and C.

Richardson, Lawrence, Cambridge, Mass., and C. Richardson, Louisville, Ky. Walker for invalids. 2,625,202, Jan. 13.

Richmond Manufacturing Company, assignee: See—
Conkling, William C.

Richter, George A., Jr., Springfield, and R. H. Braunlich, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Producing regenerated cellulose articles from viscose. 2,625,461, Jan. 13.

Rickel, Carl W., and F. Eyerly, assignors to W. C. Rickel, Basehor, Kans. Service truck. 2,625,427, Jan. 13.

Rickel, William C., assignee: See—
Rickel, Carl W., and Eyerly.

Riddle, Lester P., Eureka, and J. D. Severns, Peoria, Ill. Carbon feed control mechanism. 2,625,252, Jan. 13.

Rigert, Max, Milwaukee, Wis., assignor to McGraw Electric Company. Transformer tap changer. 2,625,619, Jan. 13.

Riley Stoker Corporation, assignee: See—
Rogers, Wayne C., and Higgins.

Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Guide for bore-hole tools. 2,625,445, Jan. 13.

Ringer, Luther: See—
Geldhof, Peter E., and Ringer.

Ringsmith, Oliver F., Newton Falls, assignor to The Taylor-Winfield Corporation, Warren, Ohio. Roller bearing. 2,625,450, Jan. 13.

Rink, Oscar C., Liberty, Mo. Grinding device for lawn mowers. 2,624,983, Jan. 13.

Riston, Frederick H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamp starter. 2,625,622, Jan. 13.

Robbins, Charles F., and B. O. Harvey, assignors to Markem Machine Company, Keene, N. H. Machine for making an imprint on cylindrical articles. 2,625,098, Jan. 13.

Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Magnetic recording and reproducing apparatus combined with disk reproducers. 2,625,611, Jan. 13.

Roberts, Elliott J., R. M. Foley, and D. F. Wells, Westport, assignors to The Dorr Company, Stamford, Conn. Roasting of sulfides. 2,625,464, Jan. 13.

Roberts, George, Jr., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Producing reducing gas mixtures. 2,625,470, Jan. 13.

Roberts, Samuel B., Greenwich, Conn., and B. C. Gibbs, Teaneck, N. J., assignors to Celanese Corporation of America, New York, N. Y. Tool for handling packages of yarn. 2,625,422, Jan. 13.

Robertshaw-Fulton Controls Company, assignee: See—
Strobel, Charles K.

Robertson, Marion A., and J. C. Sanders, Alvin, Tex. Flow choke. 2,625,179, Jan. 13.

Robertson, Robert H., Orono, Maine, assignor of one-half to R. B. Stevens, Greenwich, N. Y. Article wrapping device. 2,624,903, Jan. 13.

Robinson, Eli A., and A. F. Heck, assignors to The Collette Manufacturing Company, Amsterdam, N. Y. Indefatigable article having retaining collar. 2,625,398, Jan. 13.

Robinson, George D.: See—
Tapp, Harry F., and Robinson.

Robinson, Kenneth I., and C. Cipriani, Toledo, Ohio. Fuel pump. 2,625,113, Jan. 13.

Robinson, Philip W., assignor to Frasier-Simplex, Inc., Washington, Pa. Tank level control. 2,625,658, Jan. 13.

Robison, Clinton S., Chicago, Ill. Salt drying and cooling apparatus. 2,624,953, Jan. 13.

Roby, Sheldon S., Meriden, assignor to The Stanley Works, New Britain, Conn. Electric mat switch. 2,625,621, Jan. 13.

Rocchini, Albert G., Springdale, assignor to Onli Research & Development Company, Pittsburgh, Pa. Anticorrosion agents and compositions comprising the same. 2,625,511, Jan. 13.

Roehrich, Emma D., assignee: See—
Roehrich, Victor H.

Roehrich, Victor H., assignor of one-half to E. D. Roehrich, St. Paul, Minn. Nasal applicator. 2,625,159, Jan. 13.

Rogers, Delmar R., Minneapolis, Minn. Removable sash assembly. 2,624,923, Jan. 13.

Rogers, Linwood N.: See—
Atkinson, James D., Jr., and Rogers.

Rogers, Wayne C., and M. W. Higgins, assignors to Riley Stoker Corporation, Worcester, Mass. Reflector blade for rotary pulverizers. 2,625,332, Jan. 13.

Rolfson, Stanley T.: See—
Welsch, David I., Magerlein, and Rolfson.

Rome Grader Corporation, assignee: See—
Lado, Anthony L.

Roodner, Sylvia, New York, N. Y. Slip. 2,624,882, Jan. 13.

Roper, John H., Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa. Apparatus for electrical precipitation. 2,625,238, Jan. 13.

Rosedale Knitting Company, assignee: See—
Zesch, Eugene M.

Ross Oar & Tool Company, assignee: See—
Creason, William K.

Ross, Lawrence T., Moreau, assignor to Union Bag & Paper Corporation, New York, N. Y. Bag with handles. 2,625,318, Jan. 13.

Rostau, Morris, Brookline, Mass. Display and storage structure. 2,625,458, Jan. 13.

Rotary Hoe Limited, assignee: See—
Howard, Arthur C.

Rowe, Charles E., Athol, assignor to Harrington & Richardson Arms Company, Worcester, Mass. Ejection means for revolvers. 2,624,970, Jan. 13.

Ruhlsstein, Louis, Cleveland Heights, Ohio. Bedrail and slat lock. 2,624,890, Jan. 13.

Ruger, William B., Westport, assignor to Sturm, Ruger & Co., Inc., Southport, Conn. Breech block and firing pin assembly for small arms. 2,624,969, Jan. 13.

Ruhland, Roman C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recording apparatus. 2,625,458, Jan. 13.

Ruskin, Simon L., New York, N. Y. Penicillin histidine. 2,625,543, Jan. 13.

Russell, Harold D., and G. M. Halst, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic developers. 2,625,476, Jan. 13.

Russell-Lacey Manufacturing Company, assignee: See—
Williams, Willie V.

Rust, John B., East Hanover, N. J., and C. A. MacKenzie, New Orleans, La., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Oxygen and peroxide treatment of esters of inorganic silicon oxy acids. 2,625,520, Jan. 13.

S. A. G. A. Societa Applicazioni Gomma Antivibranti, assignee: See—
Signorini, Duilio.

Sadowsky, Meier, Lancaster, Pa., assignor to Radio Corporation of America. Manufacturing a reflective fluorescent screen. 2,625,493, Jan. 13.

St. Clair, Theodore A., assignor to The Weatherhead Company, Cleveland, Ohio. Multiple valve assembly. 2,625,016, Jan. 13.

St. John, Roscoe N., and K. E. Goldsberry, assignors to The Coleman Company, Inc., Wichita, Kans. Pot type oil burner. 2,625,214, Jan. 13.

Salb, Elizabeth, administratrix: See—
Salb, Oscar G.

Salb, Oscar G., deceased, Indianapolis, Ind.; by E. Salb, administratrix, assignor to Injectables Research Corporation, Indianapolis, Ind. Long-acting morphine injection. 2,625,501, Jan. 13.

Saltisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package sealing dies having resilient facing strip. 2,624,992, Jan. 13.

Sanders, James C.: See—
Robertson, Marion A., and Sanders.

Sanicom Company, Inc., assignee: See—
Arvinta, Abraham A., Arvina and Arvinta.

Sans, Manuel C.: See—
Brubaker, John M., Sans and Scully.

Sargent & Greenleaf, Inc., assignee: See—
Elfert, Otto H., and Thomas.

Savannah Sugar Refining Corporation, assignee: See—
Allen, Howard G.

Sawley, George W., assignor to Eastman Kodak Company, Rochester, N. Y. Bleaching silver images with p-sulfo-phenyl quinones or p-nitroso phenols. 2,625,477, Jan. 13.

Sawyer's Inc., assignee: See—
Smith, Gordon N.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Automatic dispensing machine with electric lights for controlling same. 2,625,300, Jan. 13.

Saxe, Walter E., San Gabriel, assignor to The Conveyor Company, Los Angeles, Calif. Automatic dispensing apparatus. 2,625,301, Jan. 13.

Sayers, Landon C., Tazewell, Va. Band saw circle cutter guide. 2,625,186, Jan. 13.

Scappaticci, Jolcaomo, assignee: See—
Ferrera, Anthony.

Schaefer, Edward J., Fort Wayne, Inc. Submersible sump pump control. 2,625,107, Jan. 13.

Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Envelope delay scanning system. 2,625,614, Jan. 13.

Schenk, Adelbert J., Huntington Woods, assignor to Jervis B. Webb Company, Detroit, Mich. Speed control of conveyor drives. 2,625,257, Jan. 13.

Schener, Ernst, Stone, England, assignor, by mesne assignments, to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Distillation of aluminum from aluminum alloys. 2,625,472, Jan. 13.

Schick, John W., Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Thiophene amines. 2,625,550, Jan. 13.

Schleiman, David G., Dayton, Ohio. Precision gauge. 2,624,948, Jan. 13.

Schlumberger Well Surveying Corporation, assignee: See—
Broding, Robert A.

Schmidt, Joseph F., Scotch Plains, N. J., assignor to General Motors Corporation, Detroit, Mich. Welding control. 2,625,651, Jan. 13.

Schmitt, Frederick W., Irvington, N. Y. Vaporizer and charge therefor. 2,624,925, Jan. 13.

Schneekloth, Raymond C., McCausland, Iowa. Bowl and frame adjustment for earth-moving scrapers. 2,624,960, Jan. 13.

Schneider, John, Ann Arbor, Mich. Saw set. 2,625,058, Jan. 13.

Schoenater, Peter J., Teaneck, and M. E. Ebert, assignors to Alfred Hofmann & Co., West New York, N. Y. Automatic yarn tension control. 2,625,021, Jan. 13.

Schrock, Jacob N., Wellington, Tex. Filling and weighing device. 2,625,361, Jan. 13.

Schuller, Arthur A., Chicago, Ill. Invertible filter unit. 2,625,273, Jan. 13.

Schwenk, Erwin, and G. A. Fleischer, Moolclair, N. J., assignors, by mesne assignments, to the Attorney General of the United States. Preparation of ammonium penicillin. 2,625,544, Jan. 13.

Scott & Williams, Incorporated, assignee: See—
Lawson, Robert H.

Seovill Manufacturing Company, assignee: See—
Spender, Donald L.

Scully, Charles N.: See—
Brubaker, John W., Sans and Scully.

Searle, G. D., & Co., assignee: See—
Cusic, John W.

Seaton, Max Y.: See—
Pike, Robert D., and Seaton.

Seavey, Gordon C., Arlington, assignor to Sonic Research Corporation, Boston, Mass. First-mode torsional vibration damper. 2,625,379, Jan. 13.

Seavey, Gordon C., Arlington, assignor to Sonic Research Corporation, Boston, Mass. Thrust absorbing device for rotationally oscillating systems. 2,625,880, Jan. 13.

Seeger, Nelson V.: See—
Mastin, Thomas O., and Seeger.

Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Isocyanate modified polymers. 2,625,531, Jan. 13.

Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Isocyanate modified polymers. 2,625,532, Jan. 13.

Seeloff, Melvin M.: See—
Mallett, Edwin A., and Seeloff.

Selas Corporation of America, assignee: See—
Heas, Frederic O.

Senné, Edgar P., Rockville Centre, N. Y. Vacuum cleaner mechanism responsive to thermal effects of filter bag filling. 2,625,289, Jan. 13.

Sensenbaugh, Andrew, Elkhart, Ind. Hydraulic tow bar. 2,625,278, Jan. 13.

Sensenbaugh, Andrew, Elkhart, Ind. Elevating scaffold. 2,625,443, Jan. 13.

Servel, Inc., assignee: See—
Galloway, Glenn O.

Severns, Joe D.: See—
Riddle, Lester P., and Severns.

Servicised Products Corporation, assignee: See—
Fischer, Albert C., and Walker.

Sheckels, Glenn D., Roseman, Mont., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Motor control system. 2,625,673, Jan. 13.

Shell Development Company, assignee: See—
Moore, Robert J.

Sherris, Fred H.

Shellmar Products Corporation, assignee: See—
Cox, John W.

Sherris, Thomas E.

Sherwood, Lester L., Banning, Calif. Pocket key case. 2,625,191, Jan. 13.

Shurr, Paul L., assignee: See—
Montross, Eugene E., and Shurr.

Shurtz, Wilbur F., Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Axially engaging friction clutch. 2,625,247, Jan. 13.

Siegal, Norman A., assignor to I. Swartzberg, Chicago, Ill. Apparatus for filling and emptying containers. 2,625,311, Jan. 13.

Siever, Oscar M., Detroit, Mich. Assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Panic lock. 2,625,418, Jan. 13.

Signorini, Duilio, assignor to S. A. G. A. Societa Applicazioni Gomma Antivibranti, Milan, Italy. Resilient support. 2,625,389, Jan. 13.

Sims, John C., Jr.: See—
Eckert, John P., Jr., Sims, and Welsh.

Sinclair Refining Company, assignee: See—
Appar, Frank A.

Dresser, Thorpe, and Smith.

Sinker, Martin B., assignor to Harlequin Corporation, New York, N. Y. Eyeglass frame construction. 2,625,079, Jan. 13.

Sipkin, George, Washington, D. C. Roller hatch beam. 2,625,128, Jan. 13.

Sirvis, Genrik S.: See—
Onia, John, and Sirvis.

Sjogren, John K., Shrewsbury, assignor to Norton Company, Worcester, Mass. Firing silicon carbide ceramic products. 2,624,932, Jan. 13.

Skinner Irrigation Company, The, assignee: See—
Coles, Walter H.

Skow, Ross E., assignor to Berkley Machine Company, Kansas City, Mo. Key insignia printer. 2,625,102, Jan. 13.

Slaght, William W.: See—
Smith, William J., and Slaght.

Sletsinger, Meyer, Forest Hills, N. Y., and M. Tisler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Resolution of isomidone with (L+) p-nitrobenzoyl glutamic acid. 2,625,564, Jan. 13.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Ticket printing mechanism. 2,625,103, Jan. 13.

Smalley, Oliver, Larchmont, N. Y., assignor to Meehanite Metal Corporation, Lithium modified magnesium treatment of cast iron. 2,625,473, Jan. 13.

Smith, Edward F., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Pipe supporting and anchoring means. 2,625,354, Jan. 13.

Smith, Edward W., Melrose Highlands, Mass. Means and method of sealing plastic materials. 2,625,201, Jan. 13.

Smith, Frederick A., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of methyl tin chlorides. 2,625,559, Jan. 13.

Smith, George T., assignor to George T. Smith, Inc., Lansing, Mich. Checkout counter system. 2,625,241, Jan. 13.

Smith, George T., assignor to George T. Smith, Inc., Lansing, Mich. Conveyor belt control. 2,625,256, Jan. 13.

Smith, George T., Inc., assignee: See—
Smith, George T.

Smith, Gordon N., assignor to Sawyer's Inc., Portland, Greg. Device for projecting single views of stereoscopic pairs mounted in disks. 2,625,078, Jan. 13.

Smith, Irene R., Kilgore, Tex. Road auger boring machine. 2,625,376, Jan. 13.

Smith, John R., Miami, Fla. Skiving tool holding means for automatic screw machines. 2,625,068, Jan. 13.

Smith, Morris E.: See—
Dalby, Delbert G., and Smith.

Smith, Paul V., Jr.: See—
Young, David W., and Smith.

Smith, Paul V., Jr., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Alkyl esters and plastic compositions comprising same. 2,625,527, Jan. 13.

Smith, Reading B.: See—
Dresser, Thorpe, and Smith.

Smith, Thomas O., Greensburg, Pa. Portable ball cleaner. 2,624,900, Jan. 13.

Smith, Thomas S., Los Angeles, Calif. Venetian blind cleaning device. 2,624,899, Jan. 13.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Flexible splined connection. 2,625,415, Jan. 13.

Smith, William J., and W. W. Slight, Rocky River, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio. Burner. 2,625,213, Jan. 13.

Snell, Edmund E., Madison, Wis., and E. L. Wittie and J. A. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Preparation of thio-alkyl pantothenamides. 2,625,565, Jan. 13.

Snyder, John W., Youngstown, Ohio. Portable grill. 2,625,148, Jan. 13.

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Crey, assignee: See—

Heymes, Pierre R., and Peyches.

Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse, assignee: See—

Suer, René, Welker, Mataré, and Bethge.

Societe d'Exploitation de Brevets, assignee: See—

Petit, Jean F. G.

Socony-Vacuum Oil Company, Incorporated, assignee: See—

Laug, Ernst.

Schick, John W., and Hartough.

Solar Corporation, assignee: See—

Castner, George P.

Lund, Arthur D.

Soldner, Jack O., Willoughby, Ohio. Fountain marking device with work operable valve. 2,624,902, Jan. 13.

Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Film pulldown mechanism for television. 2,625,602, Jan. 13.

Sonic Research Corporation, assignee: See—

Seavey, Gordon C.

Spangler, Robert M., Chicago, Ill. Hobbyhorse. 2,625,395, Jan. 13.

Sparks, William J.: See—

Garber, John D., and Sparks.

Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Polyvinylchloride-dienitrile-polyester composition. 2,625,326, Jan. 13.

Sparks, William J., Westfield, and J. F. Nelson, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Controlled polymerization process. 2,625,538, Jan. 13.

Speer, Joseph G., Merriam, Kans. Airplane control system. 2,625,349, Jan. 13.

Spencer, Benjamin F., Hempstead, assignor to The Sperry Corporation, Great Neck, N. Y. Superregenerative apparatus. 2,625,650, Jan. 13.

Spencer, Samuel P., assignor to Whitin Machine Works, Whitinville, Mass. Means to prevent the accumulation of waste in drafting systems. 2,624,919, Jan. 13.

Spender, Donald L., Wolcott, assignor to Scovill Manufacturing Company, Waterbury, Conn. Perfume bottle container. 2,625,292, Jan. 13.

Spero, George B.: See—

Levin, Robert H., McIntosh, and Spero.

Sperry Corporation, The, assignee: See—

Brown, Lawrence S.

Garrett, Elmer E.

Spencer, Benjamin F.

Sperry-Sun Well Surveying Company, assignee: See—

Ring, Roland.

Spiller, Eugene W.: See—

Spiller, Gladys M., and E. W.

Spiller, Gladys M., and E. W., St. Louis, Mo. Window screen. 2,625,217, Jan. 13.

Spray Process Co. Inc., assignee: See—

Vose, Edwin W.

Spurlino, Pascal: See—

Buckey, Kenneth M., Koons, and Spurlino.

Squier, Ralph T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Low differential switching apparatus. 2,625,046, Jan. 13.

Stadick, Conrad, New Ulm, Minn. Saw carrier guiding device. 2,625,059, Jan. 13.

Staff, Edward H., Detroit, Mich. Ski attachment. 2,625,405, Jan. 13.

Standard Oil Development Company, assignee: See—

Cottle, Delmer L., and Young.

Flacher, Wilbur F., and Young.

Garber, John D., and Sparks.

Smith, Paul V., Jr., and Young.

Sparks, William J., and Nelson.

Sparks, William J., and Young.

Young, David W., Cottle, and Flacher.

Young, David W., and Smith.

Stanley Works, The, assignee: See—

Roby, Sheldon S.

Stanford Oil and Gas Company, assignee: See—

Michael, Vesta F.

Roberts, George, Jr.

Staples, Crawford E., Turtle Creek, Pa., assignor to Westinghouse Air Brake Company. Directional relay control circuits for railway signaling systems. 2,625,649, Jan. 13.

Starrett, George: See—

Fagg, Howard, and Starrett.

Stearns, William D.: See—

Harrison, Marshall L., and Stearns.

Steele, W. M. Company, Incorporated, assignee: See—

Munson, Richard G., and La Pointe.

Steinbeck, Rudolf, Tutzing/Obb, Germany. Construction for cameras. 2,625,087, Jan. 13.

Stephens, Milford T., Denver, Colo. Spark plug cover. 2,625,146, Jan. 13.

Steinhardt, Irving H., New York, N. Y. Three-dimensional take-apart puzzle. 2,625,399, Jan. 13.

Sterling Drug Inc., assignee: See—

Lawson, Elmer J., and Addeleton.

Stevens, Robert E., assignee: See—

Robertson, Robert H.

Stewart, John W., Golden, Colo. Accessory pump structure for engines. 2,625,144, Jan. 13.

Stockfeth, Berger: See—

Osborne, Le Roy M., and Stockfeth.

Stokes, Morris A.: See—

Allen, Sidney, and Stokes.

Stone, Carl E., and F. J. Brsoticky, Denver, Colo. Chain link compressing pliers. 2,625,067, Jan. 13.

Storts, John H., Philadelphia, Pa. Telescoping box with cover fastener. 2,625,316, Jan. 13.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Control and ignition system for fuel burners. 2,625,216, Jan. 13.

Stross, Fred H., Berkeley, assignor to Shell Development Company, Emeryville, Calif. Water resistant grease. 2,625,508, Jan. 13.

Stubau, Carl J., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Rotary impeller pump. 2,625,112, Jan. 13.

Sturbahn, Edward M., Washington, D. C. Indicating device for medicine bottles. 2,625,131, Jan. 13.

Sturm, Ruger & Co., Inc., assignee: See—

Ruger, William B.

Sudlow, Edmund W., assignee: See—

Fuller, Leonard.

Sueur, René, Paris, H. Welker, and H. Mataré, Vaucresson, and B. Bethge, Fontenay sous Bois, assignors to Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse, Paris, France. Asymmetrical conductive element. 2,625,592, Jan. 13.

Sundhelm, Peter J., Buffalo, N. Y. Sander for automotive vehicles. 2,625,417, Jan. 13.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation. Total taking means for typewriter-computers. 2,625,324, Jan. 13.

Sun-Maid Raisin Growers of California, assignee: See—

Voller, James P.

Super Mold Corporation of California, assignee: See—

Glynn, Edwin A.

Surface Combustion Corporation, assignee: See—

Cone, Carroll, and Huebner.

Sutowski, Walter S., Garfield Heights, Ohio, assignor to Freeway Washer and Stamping Company. Bearing assembly. 2,625,449, Jan. 13.

Swartsberg, Irvin, assignee: See—

Slegel, Norman A.

Swift & Company, assignee: See—

Chapman, Thomas J. C., Holts, and Jenlaon, Dominick, William E., and Nelson.

Dominick, William E., Nelson, and Mattil.

Mattil, Karl E., and Nelson.

Mattil, Karl E., and Norris.

Nelson, De Witte, and Mattil.

Watts, Charles A.

Swift, Donald D., West Hartford, and J. J. Kohler, assignors to M. Swift & Sons, Inc., Hartford, Conn. Decalcomania for metal transfers. 2,625,496, Jan. 13.

Swift, M. & Sons, Inc., assignee: See—

Swift, Donald D., and Kohler.

Swift, Ward C., Trenton, N. J. Fisherman's fly book. 2,625,261, Jan. 13.

Sykes, Robert E., and J. A. Newirth, Sheboygan, assignors, by means assignments, to Hydraulic Tools Corporation, Milwaukee, Wis. Jack tripod base. 2,625,352, Jan. 13.

Sylvania Electric Products Inc., assignee: See—

Helms, Harold.

Szady, Leopold T., Hamtramck, assignor to Formaprag Company, Van Dyke, Mich. Energizing spring retainer for one-way clutches. 2,625,246, Jan. 13.

Tapp, Harry F., Longmeadow, and G. D. Robinson, Agawam, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Measuring the average temperature of liquid in storage tanks. 2,625,043, Jan. 13.

Tappan, Ada I., assignee: See—

Tappan, Dewitt, assignor to A. I. Tappan, Irondequoit, N. Y. Window sash clamping device. 2,625,419, Jan. 13.

Taylor, Joseph L.: See—

Price, Herbert K., and Taylor.

Taylor-Winfield Corporation, The, assignee: See—

Mallett, Edwin A., and Seeloff.

Ringsmith, Oliver F.

Technicolor Motion Picture Corporation, assignee: See—

Clark, Lauriston E., and Kelly.

Technicon Cardiograph Corporation, assignee: See—

Cloud, Jerry L., and Marchand.

Teletyne Corporation, assignee: See—

Halvorsen, Ralph H.

Temple, Sidney J., Swissvale, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,625,634, Jan. 12.

Tennessee Valley Authority, assignee: See—

Morria, Paul.

Teicher Corporation, assignee: See—

Teicher, Gordon L.

Teicher, Gordon L., assignor to Teicher Corporation, Anderson, Ind. Poppet valve assembly. 2,625,364, Jan. 13.

Texas Company, The, assignee: See—

Cowles, Laurence G.

Keating, Patrick J., Jr.

Thermix Corporation, The, assignee: See—

McBride, Charles B., Best, and Orem.

Thomas, Howard S., Jr.: See—

Elfert, Otto H., and Thomas.

Thompson, E. L., Chair Corporation, assignee: See—

Brasell, John J.

Thompson, Ralph E., Hinadale, assignor to Universal Oil Products Company, Chicago, Ill. Resins and process for producing same from reaction products of hydroxy aromatic aldehydes and mercaptans. 2,625,334, Jan. 13.

Thornton, F. C. Company, The, assignee: See—

Easterday, Russell S.

Tishler, Max: See—

Sletsinger, Meyer, and Tishler.

Toce, Charles A.: See—

Broussard, Robert F., and Toce.

Todd Shipyards Corporation, assignee: See—

Healy, Frank L., and Connors.

Toledo Scale Company, assignee: See—

Hart, Norman E.

Towmotor Corporation, assignee: See—

Weaver, Elverson W.

Trallmobile Inc., assignee: See—

Black, James J.

Treedale Laboratories and Textile Processing Company, Inc., assignee: See—

McCarthy, James P.

Treiber, Kenneth L., Alexandria, Va. Apparatus for laying hose lines from moving vehicles. 2,625,404, Jan. 13.

Tremblay, Albert F., assignor to Kent-Owens Machine Company, Toledo, Ohio. Barrel dent-removing machine. 2,625,195, Jan. 13.

Trico Products Corporation, assignee: See—

Rappel, Anton.

Trig Corporation, assignee: See—

Graham, Philip J.

Trishman, Lawrence E., Beaver, assignor to The National Supply Company, Pittsburgh, Pa. Apparatus for cold rolling female threads. 2,625,065, Jan. 13.

Truax, Robert C., United States Navy. Rocket motor cooling system. 2,625,007, Jan. 13.

Tucker, John B., Marblehead, Mass., assignor to General Electric Company. Refrigerator air circulation control. 2,625,617, Jan. 13.

Tufford, Walter W., assignee: See—

Enli, Fred F.

Tupper, Earl S., Upton, Mass. Atomizer case. 2,625,432, Jan. 13.

Turner, Ransom H., Great Neck, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,625,259, Jan. 13.

Tvelt, Torger, Lidgerwood, N. Dak. Folding pocket knife. 2,624,939, Jan. 13.

Twin Disc Clutch Company, assignee: See—

Shurts, Wilbur F.

Wolf, Lloyd J.

Uareg Incorporated, assignee: See—

Jensen, Louis.

Uhlig, Emil, Springfield, Pa. Paint can holder. 2,625,299, Jan. 13.

Ulline, Migiel J., Fort Lauderdale, Fla. Tamperproof pocket autographic register. 2,625,409, Jan. 13.

Ulrich, Carl E., Chicago, Ill. Installing joint strips in highways. 2,625,066, Jan. 13.

Underwood, Arthur F., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Bearing lubrication. 2,625,448, Jan. 13.

Underwood Corporation, assignee: See—

Sundstrand, Oscar J.

Unger, Dolores J., executrix: See—

Unger, Hector F.

Unger, Hector F., deceased, Portland, Oreg.: D. J. Unger, executrix. Sprinkler rotating spinner drive and seal. 2,625,441, Jan. 13.

Union Bag & Paper Corporation, assignee: See—

Davis, William L.

Rosa, Lawrence T.

Union Carbide and Carbon Corporation, assignee: See—

Smith, Frederick A.

Union Oil Company of California, assignee: See—

Backlund, Peter S., and Jenkins.

United Aircraft Corporation, assignee: See—

Firestone, Floyd A.

Fraser, John D.

United Shoe Machinery Corporation, assignee: See—

Morrill, Alfred R.

United States Atomic Energy Commission, United States of America as represented by the, assignee: See—

Kanne, William R.

Mayper, Stuart A.

Wonters, Louis F.

United States Rubber Company, assignee: See—

Barton, Bernard C.

Rhodes, Thomas J.

Universal Moulded Products Corporation, assignee: See—

Nebesar, Robert J.

Universal Oil Products Company, assignee: See—

Hausel, Vladimir, and Gerald.

Pines, Herman, and Ipatieff.

Pines, Herman, and Vesely.

Thompson, Ralph B.

Universal Products Company, Inc., assignee: See—

Dunn, George E.

Upjohn Company, The, assignee: See—

Cookson, Leonard T.

Heinselmann, Richard V.

Levin, Robert H., McIntosh, and Centolella.

Levin, Robert H., McIntosh, and Spero.

Ott, Arnold C., and Murray.

Welschlat, David L., Magerlein, and Rolfsen.

Vacuum Concrete, Inc., assignee: See—

Bullner, Karl P.

Van Der Sluis, William, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mounting of plank on swing hangers for railway trucks. 2,625,117, Jan. 13.

Vander Wal, Henry J., Grandville, assignor to Wagner Brothers, Inc., Highland Park, Mich. Machine for polishing and buffing articles with abrasive carrying fluids. 2,624,982, Jan. 13.

Vander Wal, Henry J., Grandville, assignor to Wagner Brothers, Inc., Highland Park, Mich. Polishing or buffing composition and using the same. 2,624,988, Jan. 13.

Vanderwerf, Leonard H., New York, N. Y. Method and apparatus for consuming bodies. 2,625,121, Jan. 13.

Van Deventer, Christopher, III, assignor to National Plastics, Inc., Knoxville, Tenn. Pulley bearing seal. 2,625,447, Jan. 13.

Vanity Fair Mills, Inc., assignee: See—

Adam, Joseph B.

Vann, Fred, assignee: See—

Morgan, Rubie F.

Van Voorhees, Stanley, West Los Angeles, Calif. Power-driven ski. 2,625,229, Jan. 13.

Varner, William O., Versailles, Ohio. Foldable wheel vehicle for infants. 2,625,407, Jan. 13.

Vesely, Jerome A.: See—

Pines, Herman, and Vesely.

Vickers-Armstrongs Limited, assignee: See—

Naamith, John I., and Daniels.

Victor Engineering Corporation, assignee: See—

Zuselo, Edward A., Pittsburgh, Pa. Mechanical movement. 2,625,048, Jan. 13.

Vissat, Anthony L., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Weight checking device. 2,625,266, Jan. 13.

Voorhes, James A., and J. E. Frasier, assignors to Frasier-Simpler, Inc., Washington, Pa. Glass level indicator. 2,625,593, Jan. 13.

Vose, Edwin W., Orange, N. J., assignor to Spray Process Co. Inc. Liquid sprayer. 2,625,433, Jan. 13.

W-B Chemical Company, Inc., assignee: See—

Wittwer, George G.

Wagner Brothers, Inc., assignee: See—

Vander Wal, Henry J.

Wagner, Hiram J., Charleston, W. Va. Apparatus for detecting seepage of water into wells. 2,625,039, Jan. 13.

Waldron, Benjamin F., Brookhaven, Miss. Axially movable plug valve. 2,625,363, Jan. 13.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Pneumatic agitator washer. 2,625,029, Jan. 13.

Walker, Chapman J.: See—

Howard, Alan, and Walker.

Walker, William H.: See—

Flacher, Albert C., and Walker.

War, United States of America as represented by the Secretary of, assignee: See—

Loehle, Joseph N.

Warner, C. Ervin, assignee: See—

Warner, John W.

Warner, John W., assignor of one-half to C. L. Warner, Port Huron, Mich. Building jack. 2,625,366, Jan. 13.

Warsher, Adolph, Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Potentiometer. 2,625,633, Jan. 13.

Wasserman, Theodore, San Francisco, and M. E. Laser, Oakland, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Processing of heat-sensitive fluids. 2,625,488, Jan. 13.

Watel, Robert G.: See—

Lampe, John H., and Watel.

Watkins, David T., Lacon, Ill. Grade meter. 2,624,954, Jan. 13.

Watts, Charles A., La Grange, assignor to Swift & Company, Chicago, Ill. Dispensing apparatus. 2,625,283, Jan. 13.

Weatherhead Company, The, assignee: See—

St. Clair, Theodore A.

Weaver, Elverson W., Cleveland Heights, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,625,285, Jan. 13.

Webb, Horace L., Vienna, Va., assignor to Dictavox Company, Inc., Washington, D. C. Silent dictation mask. 2,625,615, Jan. 13.

Webb, Jervis B. Company, assignee: See—
 Schenk, Adelbert J.
 Weinberg, Maurice J., New York, N. Y. Machine for making pads or chips from plastic bulk material. 2,624,941, Jan. 13.
 Weinograd, Saul, New York, N. Y. Sectionally composite ceramic kiln. 2,624,930, Jan. 13.
 Weir, Horace M., Merion, Pa. Furnace construction. 2,625,140, Jan. 13.
 Weisblat, David I., B. J. Magerlein, and S. T. Rolfsen, assignors to The Upjohn Company, Kalamazoo, Mich. N-ketoalkyl-p-aminobenzoates. 2,625,562, Jan. 13.
 Weiss, Arthur J., West Englewood, N. J., assignor to Robert Gair Company, Inc., New York, N. Y. Apparatus for setting up folding cartons and the like. 2,615,084, Jan. 13.
 Welker, Heinrich: See—
 Sneur, René, Welker, Mataré, and Bethge.
 Wells, David F.: See—
 Roberts, Elliott J., Foley, and Wells.
 Wells, Roger, Plattsburg, assignor to The Diamond Match Company, New York, N. Y. Plate counter and stacker. 2,625,329, Jan. 13.
 Welsh, Herbert F.: See—
 Eckert, John P., Jr., Sims, and Welsh.
 Welty, Charles V., assignee: See—
 Philippi, Matthew H.
 Wernts, James H., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluoroaromatic isocyanates. 2,625,561, Jan. 13.
 Westin, Axel, Milwaukee, and S. Westin, Elm Grove, Wis., assignors to The Westin Process Company, Apparatus for and method of tube forming. 2,625,635, Jan. 13.
 Westin Process Company, The, assignee: See—
 Westin, Axel and S.
 Westin, Sven: See—
 Westin, Axel and S.
 Westinghouse Air Brake Company, assignee: See—
 Dodd, Arthur E.
 Illnes, Claude M.
 Price, Donald J.
 Staples, Crawford E.
 Rixton, Frederick H.
 Westrate, John M., Pleasant Ridge, Mich. Traction device. 2,625,194, Jan. 13.
 Westwood, Carridon G., South Bend, Ind., assignor to G. H. Bishop Company, Chicago, Ill. Multiple buck garment pressing machine. 2,624,964, Jan. 13.
 Weyerhaeuser Timber Company, assignee: See—
 Hyman, William A.
 Weymouth, Lawrence B., Grosse Pointe Farms, assignor to Briggs Manufacturing Company, Detroit, Mich. Visor. 2,625,426, Jan. 13.
 Whirlpool Corporation, assignee: See—
 Geldhof, Peter E., and Ringer.
 Wooster, Vernon J.
 White, Ray T., Rocky River, assignor to The Hankins Container Company, Cleveland, Ohio. Packaging elongated articles. 2,624,989, Jan. 13.
 White, Robert A.: See—
 Loofboro, Vernon L., and White.
 Whitin Machine Works, assignee: See—
 Spencer, Samuel P.
 Wiatco, Albert P., Florence, Colo. Windshield wiper. 2,624,904, Jan. 13.
 Wiegand, Edwin L. Company, assignee: See—
 Temple, Sidney J.
 Wiener, Louis J., New York, N. Y. Bed accessory. 2,624,892, Jan. 13.
 Wier, Anthony J., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switchboard plug. 2,625,377, Jan. 13.
 Wight, Wayne K., assignor to Eastman Kodak Company, Rochester, N. Y. Camera bellows folding machine. 2,625,082, Jan. 13.
 Wilborn, John C., Shattuck, Okla. Dental crown seating instrument. 2,624,942, Jan. 13.
 Wilcox, Henry O., J. C. Raymond, and A. N. Ophelm, Denver, Colo. Snelled fishhook holder. 2,624,973, Jan. 13.
 Wiley, Darrell R., assignor to Luatur Seal Corporation, Jackson, Mich. Spreader type applicator for liquid containers. 2,624,901, Jan. 13.
 Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Wind-ing control device. 2,625,337, Jan. 13.
 Williams, Francis J., Port Washington, and J. O. Hendricks, Brooklyn, assignors to National Lead Company, New York, N. Y. Vinyl compositions stabilised against changes in color. 2,625,533, Jan. 13.
 Williams, Harry M., Oakwood, and J. E. Johnson, assignors to The National Cash Register Company, Dayton, Ohio. Printing hammer rebound preventing means. 2,625,100, Jan. 13.
 Williams, Ira, Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Process and apparatus for making carbon black. 2,625,466, Jan. 13.
 Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Filament for electron tubes. 2,625,666, Jan. 13.
 Williams, Robert M., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Turbine rotor construction. 2,625,366, Jan. 13.

Williams, William D., and H. L. Binley, Toledo, Ohio, assignors, by mesne assignments, to Multi-Meter Corporation. Mixing attachment for water faucets. 2,625,176, Jan. 13.
 Williams, Willie V., Dalton, Ga., assignor to Russell-Lacey Manufacturing Company. Loop-forming attachment for tufting machine. 2,625,125, Jan. 13.
 Wilske, Julius E., J. P. Benoit and F. A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company. Apparatus for transferring and grouping partition strips. 2,625,083, Jan. 13.
 Wilson, Frank C., Arcade, assignor to The Manufacturers and Traders Trust Company; J. A. Ahern, and D. D. Nash, Buffalo, N. Y., as executors of the estate of K. R. Wilson, deceased. Broaching machine. 2,625,081, Jan. 13.
 Wilson, Grady W., Thomasville, assignor to Harris & Covington Hosiery Mills, High Point, N. C. Hosiery. 2,625,028, Jan. 13.
 Wilson Jones Company, assignee: See—
 Marano, Herbert W.
 Wilson, Kirke R.: See—
 Wilson, Frank C.
 Wilson, Samuel A., assignor to Maloney-Crawford Tank & Manufacturing Company, Tulsa, Okla. Siphon box. 2,625,175, Jan. 13.
 Wilson, William O.: See—
 Quick, William O., and Wilson.
 Wingfoot Corporation, assignee: See—
 Maatin, Thomas G., and Seeger.
 Seeger, Nelson V.
 Winther, Jerrold B., Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Electronic torque control. 2,625,037, Jan. 13.
 Winther, Martin P., trustee, assignee: See—
 Winther, Jerrold B.
 Wittle, Eugene L.: See—
 Snell, Edmond E., Wittle, and Moore.
 Wittwer, George G., Chappaqua, assignor to W-B Chemical Company, Inc., Mount Vernon, N. Y. Cleaning composition. 2,625,515, Jan. 13.
 Wockenfusa, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Card punch and verifier. 2,625,225, Jan. 13.
 Wofford, Custer A., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Subsurface sampler. 2,625,226, Jan. 13.
 Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Rotary hydraulic coupling. 2,625,014, Jan. 13.
 Wood, Homer J., Sherman Oaks, assignor to The Garrett Corporation, Los Angeles, Calif. Pneumatic engine starter device. 2,625,047, Jan. 13.
 Wood, Joseph D., Upper Darby, assignor to I T E Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,625,628, Jan. 13.
 Wood, Wilbur W., Middlebury, Ind., assignor to Penn Controls, Inc. Water regulator valve. 2,625,171, Jan. 13.
 Wooster, Vernon J., St. Joseph, Mich., assignor to Whirlpool Corporation. Washing machine and control therefor. 2,625,030, Jan. 13.
 Worm, Hugo F., assignor to Aktiebolaget Textimpex, Uddevalla, Sweden. Web feeding mechanism for screen printing machines. 2,625,393, Jan. 13.
 Wouters, Louis F., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Coincidence circuit. 2,625,653, Jan. 13.
 Yard-Man, Inc., assignee: See—
 Flansburgh, John C.
 Yates, Charles G., Jr.: See—
 Gaynor, Frank A., and Yates.
 Yerlan, Harold W., Cumberland, Ohio. Trailer for hauling farm implements. 2,625,372, Jan. 13.
 Young, D'Arcy A., Jr., and R. A. Fox, assignors to Eastman Kodak Company, Rochester, N. Y. Multiprogram projector. 2,625,073, Jan. 13.
 Young, David W.: See—
 Cottle, Delmer L., and Young.
 Fischer, Wilbur F., and Young.
 Smith, Paul V., Jr., and Young.
 Sparks, William J., and Young.
 Young, David W., Roselle, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Stabilized wax composition. 2,625,491, Jan. 13.
 Young, David W., Roselle, D. L. Cottle, Highland Park, and W. F. Fischer, Roselle Park, N. J., assignors to Standard Oil Development Company. Ketone condensation products of biaphenyl type compounds. 2,625,568, Jan. 13.
 Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Radiator header hose fitting. 2,625,412, Jan. 13.
 Young, Luther O., assignor to The Davison Chemical Corporation, Baltimore, Md. Silica flattening agent and manufacturing it. 2,625,492, Jan. 13.
 Young Radiator Company, assignee: See—
 Young, Fred M.
 Young, Thomas, assignor to Durex Products, Incorporated, New York, N. Y. Laterally collapsible pessary. 2,625,154, Jan. 13.
 Zabel, Jacob, Newark, N. J. Feeding attachment for fur cutting machines. 2,624,917, Jan. 13.

Zaloudek, Theodore V.: See—
 Gruen, Wolf J., and Zaloudek.
 Zenda, Fred S., Cuyahoga Heights, Ohio. Collapsible and invertible lamp shade. 2,625,648, Jan. 13.
 Zesch, Eugene M., Shillington, assignor to Rosedale Knitting Company, Laureldale, and Karl Lieberknecht, Inc., Reading, Pa. Knitting machine. 2,625,024, Jan. 13.
 Zesch, Eugene M., Shillington, assignor to Karl Lieberknecht, Inc., Reading, Pa. Fabric take-up mechanism. 2,625,025, Jan. 13.
 Zimmerman, Harry, New York, N. Y. Musical toy. 2,625,069, Jan. 13.
 Zimmerman, Robert F., and J. H. Hoge, assignors to Hoge, Warren, Zimmerman Co., Cincinnati, Ohio. Continuously preparing a gypsum slurry. 2,625,381, Jan. 13.
 Ziskal, Joseph F., Cicero, Ill., assignor to International Harvester Company. Pilot operated quick opening control valve. 2,625,177, Jan. 13.
 Zuhn, Bernard M.: See—
 Lind, Alvin C., and Zuhn.
 Zuzelo, Edward A., Bywood, assignor to Victor Engineering Corporation, Philadelphia, Pa. Masonry saw. 2,624,984, Jan. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Butterfly valve. A. C. Danks. Re. 23,613, Jan. 13.
Compensated thermopile. W. G. Fastie. Re. 23,615, Jan. 13.
Toy ball, transparent hollow. M. C. Abel. Re. 23,612, Jan. 13.
Treating waters, including boiler waters, and composition therefor. W. L. Denman. Re. 23,614, Jan. 13.

LIST OF PLANT INVENTIONS

Nectarine tree. F. W. Anderson. 1,160-1, Jan. 13.

LIST OF DESIGN INVENTIONS

Bracelet or the like. A. Philippe. 168,636, Jan. 13.
Brooch or the like. A. Katz. 168,621, Jan. 13.
Brooch or the like. A. Katz. 168,623, Jan. 13.
Camera, motion-picture. W. H. Bach and R. L. George. 168,610, Jan. 13.
Carrying case. E. H. Nelson. 168,632, Jan. 13.
Casing for a piano or similar article. J. Barofsky. 168,611, Jan. 13.
Chain for a bracelet or the like, link. A. Philippe. 168,637, Jan. 13.
Chain for a necklace or the like, link. A. Katz. 168,624, Jan. 13.
Earring or the like. A. Katz. 168,618-20, Jan. 13.
Earring or the like. A. Katz. 168,622, Jan. 13.
Earring or the like. A. Katz. 168,625, Jan. 13.
Earring or the like. A. Philippe. 168,634, Jan. 13.
Emblem or similar article, applique. C. L. Smith. 168,640, Jan. 13.
Envelope. J. Hyman. 168,615, Jan. 13.
Fabric or similar article, textile. H. Odser. 168,633, Jan. 13.
Figurine. B. P. Melaragno. 168,628, Jan. 13.
Foot spraying device. I. P. Denysen. 168,613, Jan. 13.
Intercommunicating system master station unit. J. D. Floria. 168,614, Jan. 13.
Lamp and planter, combined. J. F. Clark and L. F. Ellis. 168,612, Jan. 13.
License plate attachment. N. W. Roper and W. O. Dodd, Jr. 168,638, Jan. 13.
Necklace or the like. A. Philippe. 168,635, Jan. 13.
Pressure regulator or similar article. T. A. St. Clair and R. C. Krall. 168,641, Jan. 13.
Rubber mat. A. Schwartz. 168,639, Jan. 13.
Service station island. E. A. Troik. 168,642, Jan. 13.
Slide projector. G. Leasman. 168,627, Jan. 13.
Spoon or the like. N. J. Mercer. 168,629-30, Jan. 13.
Stocking. W. M. Langer. 168,626, Jan. 13.
Stove handle. W. J. Miller. 168,631, Jan. 13.
Stove, sink, and refrigerator unit, combination. A. Ian-nelli. 168,616, Jan. 13.
Vaporizer for heating an insecticide. A. B. Johnson. 168,617, Jan. 13.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive disk. V. L. Looffboro and R. A. White. 2,624,986-7, Jan. 13.
Accessory pump structure for engines. J. W. Stewart. 2,625,144, Jan. 13.
Accounting device. J. Hirsch. 2,625,408, Jan. 13.
Acid-alkali process for the preparation of cellulose fibers. J. D. Atkinson, Jr., and L. N. Rogers. 2,625,474, Jan. 13.
Adjustable punching bag stand. R. L. Kennedy and W. H. Braddy. 2,625,356, Jan. 13.
Adjustable suspension for vehicles. A. G. Herrashoff and J. P. Butterfield. 2,625,388, Jan. 13.
Adjustable tap holder. E. L. Dick. 2,625,402, Jan. 13.
Aerosol generator. F. Gauchard. 2,625,156, Jan. 13.
Air conditioner and visor for vehicles, combined. E. E. Foster. 2,625,425, Jan. 13.
Aircraft cargo door. A. J. Lechner. 2,625,113, Jan. 13.
Airplane control system. J. G. Speer. 2,625,349, Jan. 13.
Alarm device, coin controlled time. H. K. Price and J. L. Taylor. 2,625,249, Jan. 13.
Alarm device, program. B. M. Frye. 2,625,222, Jan. 13.
Alkyl esters and plastic compositions comprising same. F. V. Smith, Jr., and D. W. Young. 2,625,527, Jan. 13.
Ammonium penicillin, preparation of. E. Schwenk and G. A. Fleischer. 2,625,544, Jan. 13.
Annunciator circuit. A. E. Dodd. 2,625,597, Jan. 13.
Antenna, slotted cylindrical. A. Alford. 2,625,654, Jan. 13.
Antibreeding shield and harness for bulls. J. E. Massey. 2,625,134, Jan. 13.
Anticorrosion agents and compositions comprising the same. A. G. Rocchi. 2,625,511, Jan. 13.
Antidribble valve. W. L. Huntington. 2,625,437, Jan. 13.
Apparatus and method for evaluation of photographic resolving power. L. E. Clark and D. H. Kelly. 2,625,072, Jan. 13.
Apparatus and method for testing the accuracy of synchros. W. A. Downes. 2,625,599, Jan. 13.
Apparatus for and method of tube forming. A. and S. Westin. 2,625,835, Jan. 13.
Apparatus for assembling composite containers. F. D. Bergstein. 2,625,085, Jan. 13.
Apparatus for cold rolling female threads. L. E. Trishman. 2,625,065, Jan. 13.
Apparatus for crimping helical springs in innerspring construction. J. Gauci and A. J. Quinn. 2,625,636, Jan. 13.
Apparatus for detecting seepage of water into wells. H. J. Wagner. 2,625,039, Jan. 13.
Apparatus for discharging pins from the pits of bowling alleys. S. A. Frye. 2,625,397, Jan. 13.
Apparatus for drying gases. E. J. Oribler and H. A. Lorens. 2,625,237, Jan. 13.
Apparatus for electrical precipitation. J. H. Roper. 2,625,238, Jan. 13.
Apparatus for elevating granular material. R. Kollgaard. 2,625,442, Jan. 13.
Apparatus for filling and emptying containers. N. A. Siegal. 2,625,311, Jan. 13.
Apparatus for flowing gases through beds of fluent granular solids. J. W. Barker. 2,625,467, Jan. 13.
Apparatus for forming sealed lap seams. J. Herman. 2,625,126, Jan. 13.
Apparatus for handling of foods. S. F. Reed. 2,625,242, Jan. 13.
Apparatus for holding poultry during slaughtering. P. W. Brown. 2,624,911, Jan. 13.
Apparatus for laying hose lines from moving vehicles. K. L. Treiber. 2,625,404, Jan. 13.
Apparatus for measuring gas pressures. J. J. Lander. 2,625,586, Jan. 13.
Apparatus for measuring potential differences in liquid. M. F. Peters. 2,625,588, Jan. 13.
Apparatus for molding veneer boats. B. Frees, Jr. 2,625,187, Jan. 13.
Apparatus for operating molded fiber drying dies. M. P. Chaplin. 2,624,956, Jan. 13.
Apparatus for sealing containers while crowning under vacuum. J. Kantor. 2,625,312, Jan. 13.
Apparatus for separating gases from liquid. J. R. Rhinehart and C. H. Ehrlich. 2,625,236, Jan. 13.
Apparatus for separating suspended particles from gases. C. B. McBride, P. F. Best, and S. R. Orem, Jr. 2,625,240, Jan. 13.
Apparatus for setting up folding cartons and the like. A. J. Weiss. 2,625,084, Jan. 13.
Apparatus for transferring and grouping partition strips. J. E. Willake, J. P. Benoit, and F. A. McCormick. 2,625,083, Jan. 13.
Apparatus for treating food products. J. A. Julian. 2,625,095, Jan. 13.
Application of thermoplastic tape. F. W. Holt, Jr., D. E. Bench, and W. Ernst. 2,625,287, Jan. 13.
Article retaining clamp. C. B. Hall. 2,625,360, Jan. 13.
Aryl tetracarboxylic acid anhydrides, production of. R. J. Miller. 2,625,535, Jan. 13.
Assembling continuous-form stationery. L. Jensen. 2,625,391, Jan. 13.
Assembling elevator lift mechanism. F. N. McClintock, Jr. 2,625,258, Jan. 13.
Asymmetrical conductive element. R. Sueur, H. Welker, H. Mataré, and B. Bethge. 2,625,592, Jan. 13.
Atomiser case. E. S. Tupper. 2,625,432, Jan. 13.
Attachment for sewing machines. R. H. Eckardt. 2,625,127, Jan. 13.
Attachment for side delivery hay rakes. C. M. Benbow. 2,625,000, Jan. 13.
Automatic blade angle control for helicopters. I. B. Laskowitz. 2,625,228, Jan. 13.
Automatic bridge. R. A. Krampf. 2,625,587, Jan. 13.
Automatic code translating system. O. Cesareo. 2,625,328, Jan. 13.
Automatic dispensing machine with electric lights for controlling same. W. E. Saxe. 2,625,300, Jan. 13.
Automatic frozen confection making apparatus. R. F. and A. F. Eddy. 2,625,120, Jan. 13.
Automatic multiple parachute disconnect device. J. L. Hight. 2,625,423, Jan. 13.
Automatic parking meter. G. A. Hale. 2,625,250, Jan. 13.
Automatic pilot. P. A. Nuxen, A. M. MacCallum, and N. B. Murphy. 2,625,348, Jan. 13.
Automatic self-dumping bale carrier. E. O. Prechel. 2,625,002, Jan. 13.
Automatic supplementary source for electric stop-motions. A. Crawford. 2,625,027, Jan. 13.
Automatically operating machine for filling baked articles with fluid material. M. S. Jennings. 2,625,119, Jan. 13.
Average indicating apparatus. E. S. Crenshaw, Jr. 2,625,325, Jan. 13.
Axially engaging friction clutch. W. F. Shurtz. 2,625,247, Jan. 13.
Axially movable plug valve. B. F. Waldron. 2,625,363, Jan. 13.
Axle housing. R. R. Cudy. 2,625,055, Jan. 13.
Azo dyes from 2-aminothiophene. R. S. Long. 2,625,541-2, Jan. 13.
Bag closing machine. H. G. Allen. 2,624,995, Jan. 13.
Bag with handles. L. T. Rosa. 2,625,318, Jan. 13.
Bakery goods removing machine. J. L. Atwood. 2,625,284, Jan. 13.
Band saw circle cutter guide. L. C. Sayers. 2,625,186, Jan. 13.
Bar: See—
Hydraulic tow bar.
Bar hanger attachment. E. B. Atkinson. 2,625,357, Jan. 13.
Bare wire thermocouple holder. M. W. Connell. 2,625,573, Jan. 13.
Barrel dent-removing machine. A. F. Tremblay. 2,625,195, Jan. 13.
Basically substituted 1-(10-acridanyl) alkanones. J. W. Cusick. 2,625,546, Jan. 13.
Beam support for knitting machines. J. B. Adam. 2,625,022, Jan. 13.
Bearing: See—
Gyro bearing.
Bearing assembly. W. S. Sutowski. 2,625,449, Jan. 13.
Bearing lubrication. A. F. Underwood. 2,625,448, Jan. 13.
Bed accessory. L. J. Wiener. 2,624,892, Jan. 13.
Bedrail and slat lock. L. Rubinstein. 2,624,890, Jan. 13.
Bed sheet, mattress covering. S. J. Harris. 2,624,893, Jan. 13.
Bed with resilient front panel, love seat. P. P. Behry. 2,624,888, Jan. 13.
Belt supported battery case. A. L. Kinskie. 2,625,192, Jan. 13.
Benzhydryl and 9-fluorenyl tertiary aminoalkanoates, preparation. E. J. Lawson and A. Addelston. 2,625,547, Jan. 13.
Beta-(ortho-methoxy)phenyl-isopropyl benzyl alkyl amines and salts thereof. R. V. Helmselmann. 2,625,586, Jan. 13.
Blade control unit for bulldozing machines. R. O. Le Tourneau. 2,624,961, Jan. 13.
Blade-dispensing magazine. J. Muros. 2,625,260, Jan. 13.
Blasting shell and timing means therefor. K. C. Bugz. 2,625,104, Jan. 13.

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Bleaching silver images with p-sulfo-phenyl quinones or p-nitroso phenols. 2,625,477, Jan. 13.
 Blood pressure measuring apparatus. W. A. Baum. 2,625,153, Jan. 13.
 Boiler with vertical fire tubes and horizontal water baffles. Stand. S. J. Jacoby. 2,625,138, Jan. 13.
 Bolt, Expansion. W. J. Lewis. 2,625,071, Jan. 13.
 Bottle with light shield. M. R. Fields. 2,625,286, Jan. 13.
 Bowl and frame adjustment for earth-moving scrapers. R. C. Schneekloth. 2,624,960, Jan. 13.
 Bowl, Mixing. V. M. Oliver. 2,625,020, Jan. 13.
 Box: See—
 Electrical outlet box. Siphon box.
 Brake assembly, Hand. C. J. Cartwright. 2,625,053, Jan. 13.
 Brake pivot, Nonmagnetic. G. W. Mahika. 2,625,451, Jan. 13.
 Breaking electrical circuits under heavy load, Method and apparatus for. R. J. Baskerville. 2,625,623, Jan. 13.
 Breech block and firing pin assembly for small arms. W. B. Ruger. 2,624,969, Jan. 13.
 Broaching machine. F. C. Wilson. 2,625,081, Jan. 13.
 Bubble making device. N. A. Fisher and A. B. Mull. 2,624,974, Jan. 13.
 Building Jack. J. W. Warner. 2,625,368, Jan. 13.
 Buoy-type detector carrier. J. W. Flinde. 2,625,129, Jan. 13.
 Burner: See—
 Pot type oil burner.
 Burner. W. J. Smith and W. W. Slaght. 2,625,213, Jan. 13.
 Button, Safety. E. D. Blakemore. 2,625,052, Jan. 13.
 Cake stripping bobbin. J. F. Ewing and M. J. Brosious. 2,625,334, Jan. 13.
 Camera bellows folding machine. W. K. Wight. 2,625,082, Jan. 13.
 Canopy for travel kitchens, Protective. S. F. Eskew. 2,625,165, Jan. 13.
 Carbon black, Process and apparatus for making. I. Williams. 2,625,466, Jan. 13.
 Carbon feed control mechanism. L. P. Riddle and J. D. Severns. 2,625,252, Jan. 13.
 Card punch. L. M. Osborne and B. Stockfeth. 2,624,940, Jan. 13.
 Card punch and verifier. W. Wockenfuss. 2,625,225, Jan. 13.
 Carrier: See—
 Automatic self-dumping Buoy-type detector carrier, bale carrier.
 Carrier. T. S. Green. 2,625,308, Jan. 13.
 Carton. E. W. Fehrenkamp. 2,625,315, Jan. 13.
 Carton opener. S. M. Jensen. 2,624,936, Jan. 13.
 Carton transfer mechanism. T. E. Plasse. 2,625,254, Jan. 13.
 Case: See—
 Atomizer case. Illuminated key case.
 Belt supported battery Pocket key case.
 Cash register. G. Nelson. 2,625,323, Jan. 13.
 Catalytic reforming process and catalyst therefor. V. Haenel and C. F. Gerald. 2,625,504, Jan. 13.
 Centering device. G. A. Kwasniewski. 2,625,050, Jan. 13.
 Centrifuge. G. L. McCargar. 2,625,269, Jan. 13.
 Centrifuge for rapid extraction of fine particles from suspensions. S. C. Lyons. 2,625,320, Jan. 13.
 Ceramic kiln, Sectionally composite. S. Weinograd. 2,624,930, Jan. 13.
 Chair: See—
 Folding wheel chair. Spring oscillating chair.
 Chair and table, Combination. A. Abbate and E. Capelletti. 2,625,206, Jan. 13.
 Charge forming device. A. M. Chambers. 2,625,142, Jan. 13.
 Check-out counter system. G. T. Smith. 2,625,241, Jan. 13.
 Chemical refining of light oil distillates. F. A. Appgar. 2,625,503, Jan. 13.
 Chest of drawers. F. P. Mitten. 2,625,455, Jan. 13.
 Cigarette case with igniter support means, Dispensing. D. Pinkas. 2,625,262, Jan. 13.
 Circuit: See—
 Annunciator circuit. Television pulse separation circuit.
 Coincidence circuit. Thermistor control circuit.
 Pulse forming circuit. Thermistor control circuit.
 Circuit breaker with shunt for changing current rating. R. C. Ingwersen. 2,625,624, Jan. 13.
 Circuit checking apparatus. C. M. Hinea. 2,625,596, Jan. 13.
 Clamp: See—
 Article retaining clamp.
 Classification designation change means for accounting machines. K. M. Buckley, P. M. Koons, and P. Spurlino. 2,625,330, Jan. 13.
 Cleaner: See—
 Portable hall cleaner. Yarn cleaner.
 Cleaning apparatus for bowling balls and the like. T. A. Newswanger. 2,624,898, Jan. 13.
 Cleaning composition. G. G. Wittwer. 2,625,515, Jan. 13.
 Cleaning device, Venetian blind. T. S. Smith. 2,624,899, Jan. 13.
 Clo for mirrors and the like, Mounting. L. Ferlie. 2,625,080, Jan. 13.
 Clock, Explosion resisting. H. L. Bush and W. E. Parish. 2,625,004, Jan. 13.
 Clock, Liquid display. G. J. Burden. 2,625,003, Jan. 13.
 Closure remover with pivoted gripping jaws. W. M. Petty. 2,625,066, Jan. 13.
 Clutch: See—
 Axially engaging friction Definite position release clutch.
 Coagulation of oil emulsions with cellulose sulfate. J. R. Caldwell. 2,625,517, Jan. 13.
 Coincidence circuit. L. F. Wouters. 2,625,653, Jan. 13.
 Colored embossed emblems, Making. F. J. Brown. 2,625,064, Jan. 13.
 Comb, Hair-trimming. W. H. Ream. 2,624,937, Jan. 13.
 Combination lock with tumbler upsetting mechanism. O. H. Eiffert and H. S. Thomas, Jr. 2,625,032, Jan. 13.
 Communicating device, Visual. G. W. Ackerman. 2,624,922, Jan. 13.
 Composite pump for prime mover oil systems. H. N. Hoffman. 2,625,166, Jan. 13.
 Compound engine. W. G. Lundquist. 2,625,006, Jan. 13.
 Conditioning brightening baths. S. R. France and H. J. Reindl. 2,625,468, Jan. 13.
 Conditioning soils. R. M. Hedrick and D. T. Mowry. 2,625,529, Jan. 13.
 Connector: See—
 Socket connector.
 Windshield wiper arm connector.
 Construction for cameras. R. Steineck. 2,625,087, Jan. 13.
 Container: See—
 Perfume bottle container.
 Container. C. M. MacCheesney. 2,625,317, Jan. 13.
 Container for composite tape, Supply. B. Hirsasson. 2,625,200, Jan. 13.
 Continuous centrifuge of the type having an underflow return circuit. J. G. Glasco. 2,625,321, Jan. 13.
 Continuously preparing a gypsum slurry. R. F. Zimmerman and J. H. Hoge. 2,625,361, Jan. 13.
 Control and drive mechanism for automatic washing, rinsing, and drying machines. P. E. Geldhof and L. Ringer. 2,625,248, Jan. 13.
 Control and ignition system for fuel burners. C. K. Strobel. 2,625,216, Jan. 13.
 Control apparatus. J. Onia and G. S. Sirvia. 2,625,632, Jan. 13.
 Controlled polymerization process. W. J. Sparks and J. F. Nelson. 2,625,538, Jan. 13.
 Controller for electric motor driven apparatus. A. T. Calvert. 2,625,672, Jan. 13.
 Controlling blast furnaces, Method and apparatus for. O. J. Leone. 2,625,386, Jan. 13.
 Controlling fluid infiltration. L. J. Neuman. 2,625,374, Jan. 13.
 Conversion of polyhydric phenols and ethers of polyhydric phenols. H. Pines and J. A. Vesely. 2,625,570, Jan. 13.
 Conveyor belt control. G. T. Smith. 2,625,256, Jan. 13.
 Core for driving molds for concrete piles, Expandible. W. H. Cohl. 2,625,015, Jan. 13.
 Corrugated frame. A. C. Pollzal. 2,624,968, Jan. 13.
 Counting: See—
 Fluid counting. Rotary hydraulic coupling.
 Coupling. E. W. Crowley. 2,625,410, Jan. 13.
 Course recorder. B. J. Baecher. 2,625,457, Jan. 13.
 Cover: See—
 Ornamental wheel cover. Spark plug cover.
 Removable seat cover.
 Crane. G. M. and R. S. Babare. 2,625,276, Jan. 13.
 Cryptographic device. H. Fine. 2,624,958, Jan. 13.
 Cuff marker. F. G. Mena. 2,624,945, Jan. 13.
 Cup, Adjustable measuring. D. P. Christie. 2,625,044, Jan. 13.
 Cup, Drinking. A. E. Brown. 2,625,019, Jan. 13.
 Cutoff machine. R. C. Kenyon. 2,624,981, Jan. 13.
 Cutter: See—
 Grass edge cutter.
 Cutting fluid and coolant. E. Laug. 2,625,509, Jan. 13.
 Decalcification for metal transferers. D. D. Swift and J. J. Kohler. 2,625,496, Jan. 13.
 Decoding information translator. R. V. Benaglio and R. Nyberg. 2,625,600, Jan. 13.
 Deep drilling machine. R. G. Cudini. 2,625,060, Jan. 13.
 Definite position release clutch. J. I. Naamith and F. K. Daniels. 2,625,245, Jan. 13.
 Desiccant. G. D. Metzger and W. Licht, Jr. 2,625,516, Jan. 13.
 Detergent compositions, Noncaking. H. G. Kirichenbauer. 2,625,513, Jan. 13.
 Detergent compositions, Noncaking abrasive. H. G. Kirichenbauer. 2,625,514, Jan. 13.
 Device for inhibiting sleep. J. A. Mathis. 2,625,594, Jan. 13.
 Device for plumbing vertical objects. E. W. Newcomb. 2,624,953, Jan. 13.
 Device for projecting single views of stereoscopic pairs mounted in disks. G. N. Smith. 2,625,078, Jan. 13.
 Di-alkylphenyl-alkenes. H. Pines and V. N. Ipatieff. 2,625,571, Jan. 13.
 Diaper substitute or the like, Infant's. E. G. Maxim. 2,625,160, Jan. 13.
 Diazobenzene in emulsion polymerization. I. M. Kolthoff and W. J. Dale. 2,625,537, Jan. 13.
 Digger, Stone. J. A. Anderson. 2,624,959, Jan. 13.
 Directional relay control circuits for railway signaling systems. C. E. Staples. 2,625,649, Jan. 13.

Discharge silencer and recoil compensator. C. P. Caulkina. 2,625,255, Jan. 13.
 Dispenser for paste or the like, Fountain. O. R. Mahoney. 2,625,302, Jan. 13.
 Dispensing apparatus. C. A. Watts. 2,625,283, Jan. 13.
 Dispensing apparatus, Automatic. W. E. Saxe. 2,625,301, Jan. 13.
 Dispensing closure. P. J. Murphy. 2,625,306, Jan. 13.
 Dispensing closure for bottles which can be locked in closed condition. W. W. Mays. 2,625,303, Jan. 13.
 Display and storage structure. M. Rostau. 2,625,456, Jan. 13.
 Display sign and making the same. M. H. Philippi. 2,624,967, Jan. 13.
 Disposable fountain syringe and package containing the same. E. H. Edwards, Jr. 2,625,264, Jan. 13.
 Distillation of aluminum from aluminum alloys. E. Scheuer. 2,625,472, Jan. 13.
 Distributing and feeding mechanism. J. W. Carter. 2,625,255, Jan. 13.
 Door: See—
 Inner boxcar door.
 Door latching mechanism. W. A. Endter. 2,625,420, Jan. 13.
 Double-acting hinge frame. C. W. Kujawa. 2,624,909, Jan. 13.
 Double-acting reciprocating pump. H. P. Maloney. 2,625,115, Jan. 13.
 Double beam attachment for contour projectors. L. C. Nosco. 2,625,076, Jan. 13.
 Drill: See—
 Horizontal rotary drill.
 Drill guide. B. R. Hell. 2,625,062, Jan. 13.
 Drill holder and work clamp, Electric. A. E. Hanson. 2,625,063, Jan. 13.
 Drive axle mounted for swinging and rocking motion. F. P. Martin. 2,625,231, Jan. 13.
 Drive for forging furnaces. A. C. Howard. 2,625,385, Jan. 13.
 Dry battery cell. G. B. Ellis. 2,625,575, Jan. 13.
 Drying rack. F. A. Rauscher. 2,625,277, Jan. 13.
 Dynamoelectric machine. J. F. G. Pettit. 2,625,674, Jan. 13.
 Eave gutter support or hanger, Adjustable. C. W. Henry. 2,625,353, Jan. 13.
 Educational device for use in learning to tie certain knots. R. N. Collins. 2,624,957, Jan. 13.
 Egg room equipment. J. W. Cox. 2,625,309, Jan. 13.
 Ejection means for revolvers. C. E. Rowe. 2,624,970, Jan. 13.
 Elastomeric diisocyanate modified polyesters. T. G. Mastlin and N. V. Seeger. 2,625,535, Jan. 13.
 Electric apparatus. A. W. Haydon. 2,625,661, Jan. 13.
 Electric circuit distribution device. G. George. 2,625,591, Jan. 13.
 Electric cord handling apparatus. J. C. Flansburgh. 2,625,344, Jan. 13.
 Electric heating. S. J. Temple. 2,625,634, Jan. 13.
 Electric-hydraulic power unit. E. D. Lytle. 2,625,660, Jan. 13.
 Electric mat switch. S. S. Roby. 2,625,621, Jan. 13.
 Electrical control circuits. A. E. Koniek. 2,625,676, Jan. 13.
 Electrical discharge lamp. H. E. Krefft. 2,625,671, Jan. 13.
 Electrical outlet box. E. B. Clark and F. W. Fagal. 2,625,288, Jan. 13.
 Electrical service mast. G. C. Price. 2,625,580, Jan. 13.
 Electrodeposition nickel. S. A. Mayper. 2,625,507, Jan. 13.
 Electrohydraulic servo mechanism. W. C. Moog, Jr. 2,625,136, Jan. 13.
 Electromechanical calculating apparatus. G. Agins. 2,625,327, Jan. 13.
 Electron discharge device. H. G. Anderson. 2,625,669, Jan. 13.
 Electron tube. G. J. Agule. 2,625,664, Jan. 13.
 Electron tube mount and method of assembly. W. K. Batsie. 2,625,665, Jan. 13.
 Electronic accumulator. R. E. Mumma. 2,625,326, Jan. 13.
 Electronic torque control. J. B. Winther. 2,625,037, Jan. 13.
 Electrostatically charging spray material, Means for. D. J. Peeps. 2,625,590, Jan. 13.
 Elevating mechanism for overhead doors. J. D. McFadden. 2,625,390, Jan. 13.
 Energizing spring retainer for one-way clutches. L. T. Sady. 2,625,246, Jan. 13.
 Engine: See—
 Compound engine.
 Engine starter device, Pneumatic. H. J. Wood. 2,625,047, Jan. 13.
 Envelope delay scanning system. J. C. Schelleng. 2,625,614, Jan. 13.
 Expanded perlite insulation and manufacture. E. R. Powell. 2,625,512, Jan. 13.
 Expandable roll shaft. T. A. McArn. 2,625,388, Jan. 13.
 Eyeglass frame construction. M. B. Singer. 2,625,079, Jan. 13.
 Fabric take-up mechanism. E. M. Zesch. 2,625,026, Jan. 13.
 Face mask. A. E. Engelder. 2,625,155, Jan. 13.
 Fan, Radial flow electric. G. J. Relsch. 2,625,319, Jan. 13.
 Fastening shoe laces, Means for. J. Rave. 2,624,927, Jan. 13.
 Faucet, Nonfreeze. J. H. Hodra, Jr. 2,625,173, Jan. 13.
 Feeder: See—
 Hopper cap feeder.
 Feeding attachment for fur cutting machines. J. Zabel. 2,624,917, Jan. 13.
 Fertilizing compositions. D. T. Mowry and R. M. Hedrick. 2,625,471, Jan. 13.
 Figure simulating toy vehicle. C. P. Alonso. 2,625,405, Jan. 13.
 Filament for electron tubes. P. D. Williams. 2,625,666, Jan. 13.
 Filling and weighing device. J. N. Schrock. 2,625,361, Jan. 13.
 Film pulldown mechanism for television. F. J. Somers. 2,625,602, Jan. 13.
 Filter. T. A. Flanagan. 2,625,271, Jan. 13.
 Filter unit, Invertible. A. A. Schuller. 2,625,273, Jan. 13.
 Fire prevention system for fuel tanks. F. L. Healy and J. J. Connors. 2,625,508, Jan. 13.
 Firing silicon carbide ceramic products. J. K. Sjogren. 2,624,932, Jan. 13.
 First mode torsional vibration damper. G. C. Seavey. 2,625,379, Jan. 13.
 Fish lure. M. R. Norton. 2,624,971, Jan. 13.
 Fisherman's fly book. W. C. Swift. 2,625,261, Jan. 13.
 Fishtail clamp and mounting. J. X. Peterson. 2,624,910, Jan. 13.
 Fitting bearing aids. R. O. L. Curry. 2,625,233, Jan. 13.
 Flask, Foundry. A. J. Kilmek. 2,624,926, Jan. 13.
 Flexible splined connection. T. R. Smith. 2,625,415, Jan. 13.
 Flow choke. M. A. Robertson and J. C. Sanders. 2,625,179, Jan. 13.
 Flow controlling device. J. S. Page. 2,625,172, Jan. 13.
 Flow measuring device for pipe line systems. H. W. Hein. 2,625,041, Jan. 13.
 Fluid conducting means for the shovel centering means of shovel loaders. L. A. Currier and F. B. Engel. 2,625,280, Jan. 13.
 Fluid coupling. L. Charlson. 2,625,168, Jan. 13.
 Fluid drive and controls. O. K. Kelley. 2,625,056, Jan. 13.
 Fluid supply connection for shovel centering means. R. C. Osgood and F. B. Engel. 2,625,281, Jan. 13.
 Fluoroaromatic isocyanates. J. H. Wernitz. 2,625,561, Jan. 13.
 Folding rafter square. E. Penker. 2,624,947, Jan. 13.
 Folding wheel chair. S. Duke. 2,625,207, Jan. 13.
 Fork, Spading. C. H. Huxkins. 2,625,370, Jan. 13.
 Forming double glazed units. F. R. Hohmann. 2,624,978, Jan. 13.
 Forming name plates. E. Penker. 2,624,935, Jan. 13.
 Fountain marking device with work operable valve. J. O. Soldner. 2,624,902, Jan. 13.
 Frame: See—
 Corrugated frame. Double-acting hinge frame.
 Free trip circuit breaker. R. C. Ingwersen. 2,625,625, Jan. 13.
 Fuel dispensing device with rotatable nozzle communicating with venting and liquid dispensing openings. H. A. Mart. 2,625,804, Jan. 13.
 Fuel feeding and accessory system for motor vehicles. A. Rappl. 2,625,212, Jan. 13.
 Fuel injection apparatus. M. J. Berlyn. 2,625,436, Jan. 13.
 Fuel injection method. M. J. Berlyn. 2,625,141, Jan. 13.
 Fuel pump. I. E. Coffey. 2,625,114, Jan. 13.
 Fuel pump. K. I. Robinson and C. Cipriani. 2,625,113, Jan. 13.
 Fuel valve and nozzle for internal-combustion engines. A. G. J. Larborn. 2,625,435, Jan. 13.
 Furnace: See—
 Heat saving furnace.
 Furnace construction. H. M. Weir. 2,625,140, Jan. 13.
 Furnace for house trailers and the like, Space heating hot-air. E. E. Little. 2,625,150, Jan. 13.
 Furnace with removable heating unit, Floor. H. W. Kelly. 2,625,151, Jan. 13.
 Fusing thermoplastic fabric sheets to each other. J. Cadgene. 2,625,497, Jan. 13.
 Gas burner and secondary air feed means. L. E. Hart and R. C. Brown. 2,625,215, Jan. 13.
 Gas generation. T. Dresser and R. B. Smith. 2,625,465, Jan. 13.
 Gas range. G. O. Galloway. 2,625,149, Jan. 13.
 Gas scrubber. R. C. Baird. 2,625,383, Jan. 13.
 Gas turbine power plant, including multiple fluid operated turbines. A. J. Larrecq. 2,625,012, Jan. 13.
 Gauge: See—
 Magnetic measuring gauge. Precision gauge.
 Gauge for aligning a string of pipe with a grade line. J. A. Mitchell. 2,624,950, Jan. 13.
 Gauge mechanism, Electric. L. Boddy. 2,625,132, Jan. 13.
 Generator: See—
 Aerosol generator.
 Glass level indicator. J. A. Voorhes and J. E. Frazier. 2,625,593, Jan. 13.
 Glossy molding process for ethylene polymers. K. J. Persak. 2,624,916, Jan. 13.
 Grade meter. D. T. Watkins. 2,624,954, Jan. 13.

Grain unloading attachment. R. G. Heun. 2,625,001, Jan. 13.
 Grass edge cutter. F. H. Davis. 2,624,938, Jan. 13.
 Gravity sample heater. A. L. Jenkins. 2,625,641, Jan. 13.
 Grill, portable. J. W. Snyder. 2,625,148, Jan. 13.
 Grinding device for lawn mowers. O. C. Rink. 2,624,983, Jan. 13.
 Guide for borehole tools. R. Ring. 2,625,445, Jan. 13.
 Guide for electric hand saws. O. D. Harbert. 2,625,184, Jan. 13.
 Guy insulator. R. L. Jenner and C. D. Fiero. 2,625,581, Jan. 13.
 Gyro bearing. J. W. Brubaker, M. C. Sanz, and C. N. Senti. 2,625,045, Jan. 13.
 Haloalkylation of thiophenes. H. Pines and J. A. Vesely. 2,625,553, Jan. 13.
 Harvester, beet. J. W. Orendorff. 2,624,997, Jan. 13.
 Hay baler sleeve. G. Almquist. 2,625,097, Jan. 13.
 Headboard for beds. H. C. S. Katzoff. 2,624,891, Jan. 13.
 Headrest. J. S. Degnon. 2,624,884, Jan. 13.
 Heat saving furnace. E. V. Langen. 2,625,139, Jan. 13.
 Heater: See—
 Gravity sample heater.
 Heat-sensitive recording element. M. Morrison. 2,625,494, Jan. 13.
 Heat transfer assembly. H. A. Nason. 2,625,378, Jan. 13.
 Heat treatment of filamentary material. Method of and apparatus for. R. G. Munson and G. M. La Pointe. 2,624,934, Jan. 13.
 Heated milking apparatus. N. Cordia. 2,625,643, Jan. 13.
 Heater for coffee makers and the like. Automatic. G. R. Davis, Jr. 2,625,642, Jan. 13.
 Heating. F. O. Heas. 2,625,387, Jan. 13.
 High-capacity current limiter. I. F. Matthysse. 2,625,629, Jan. 13.
 High chair and walker. Combined. J. J. Brazell. 2,625,203, Jan. 13.
 High-frequency induction welding apparatus and process. L. P. Garner and W. N. Parker. 2,625,637, Jan. 13.
 High-frequency system employing a reflector. M. P. Middlemark. 2,625,655, Jan. 13.
 High-temperature cleaning of ferrous metal. C. Cone and J. Huebner. 2,625,495, Jan. 13.
 High-voltage circuit breaker. J. D. Wood. 2,625,628, Jan. 13.
 High-voltage contactor system. F. Y. Grepe. 2,625,627, Jan. 13.
 Hinge construction. E. S. Ireland. 2,624,908, Jan. 13.
 Hinge, couch. E. G. Krakauer. 2,624,889, Jan. 13.
 Hinge for molded plastic parts and making the same. F. J. Graham. 2,624,907, Jan. 13.
 Hinged lid actuator and prop. C. Hollerith. 2,625,293, Jan. 13.
 Hobbyhorse. R. M. Spangler. 2,625,395, Jan. 13.
 Hoist hook assembly. J. G. Myers. 2,625,005, Jan. 13.
 Holder: See—
 Adjustable tap holder. Safety cigarette holder.
 Bare wire thermocouple holder. Spelled fishhook holder.
 Key holder. Telephone indicia card holder.
 Paint can holder.
 Holding means for door operating levers. S. B. Haseltine. 2,625,421, Jan. 13.
 Homopolymerization of vinyl chloride in aqueous medium. V. L. Folt. 2,625,539, Jan. 13.
 Hood ornament. A. Ferrara. 2,624,976, Jan. 13.
 Hopper cap feeder. M. S. Resina. 2,625,313, Jan. 13.
 Horizontal rotary drill. J. A. Hall. 2,625,375, Jan. 13.
 Horn button switch. W. K. Creson. 2,625,618, Jan. 13.
 Hoofing. G. W. Wilson. 2,625,028, Jan. 13.
 Hydraulic tow bar. A. Sennelbach. 2,625,278, Jan. 13.
 Hydrogen cyanide. Producing. C. L. Norton, Jr. 2,625,463, Jan. 13.
 Hypodermic syringe ampoule and assembly. Single dosage disposable. M. L. Lockhart. 2,625,157, Jan. 13.
 Ice fishing rig. L. R. Burg. 2,624,972, Jan. 13.
 Igniter for liquid fuel combustion chambers. S. Allen and M. A. Stokes. 2,625,611, Jan. 13.
 Illuminated key case. P. T. Crane. 2,625,645, Jan. 13.
 Implement, earth-working. A. G. Evans. 2,624,962, Jan. 13.
 Inclination indicator. A. R. MacLagan. 2,624,952, Jan. 13.
 Indicating device for medicine bottles. E. M. Sturhahn. 2,625,131, Jan. 13.
 Indicator: See—
 Glass level indicator. Open telegraph line indicator.
 Inclination indicator. Indicator for electrical switches. E. T. Chrysler. 2,625,631, Jan. 13.
 Inflatable article having retaining collar. E. A. Robinson and A. F. Heck. 2,625,398, Jan. 13.
 Inner boxcar door. C. L. Brown. 2,624,921, Jan. 13.
 Installing joint strips in highways. C. E. Ulrich. 2,625,086, Jan. 13.
 Instrument, dental crown seating. J. C. Willborn. 2,624,942, Jan. 13.
 Instrument, magnetic induction well-logging. R. A. Brodington. 2,625,583, Jan. 13.
 Insulated inductor block for descaling metals. C. O. Parlah and H. F. Kincaid. 2,625,644, Jan. 13.
 Internal-combustion engine compression tester. P. F. Adair. 2,625,033, Jan. 13.
 Irrigation border dam forming machine. A. Nikkel. 2,625,092, Jan. 13.
 Isocyanate modified polymers. N. V. Seeger. 2,625,531-2, Jan. 13.
 Jack: See—
 Building jack.
 Telescoping piston type lifting jack.
 Jack. P. E. Lichty and C. B. Houseworth. 2,625,369, Jan. 13.
 Jack tripod base. R. E. Sykes and J. A. Newirth. 2,625,352, Jan. 13.
 Jet action carburetor. R. F. Morgan. 2,625,469, Jan. 13.
 Joint: See—
 Universal joint.
 Ketone condensation products of bisphenyl type compounds. D. W. Young, D. L. Cottle, and W. F. Fischer. 2,625,568, Jan. 13.
 Keyboard, pedal. M. H. French. 2,625,070, Jan. 13.
 Key holder. E. G. Dimond. 2,625,190, Jan. 13.
 Key insignia printer. R. E. Skow. 2,625,102, Jan. 13.
 Knee crutch pad. J. H. Lampe and R. G. Watel. 2,625,453, Jan. 13.
 Knife, folding pocket. T. Tveit. 2,624,939, Jan. 13.
 Knitting machine. E. M. Zesch. 2,625,024, Jan. 13.
 Knob. J. J. Bauman. 2,625,054, Jan. 13.
 Ladder for floating roof tanks. F. D. Moyer. 2,625,314, Jan. 13.
 Lamp: See—
 Electrical discharge lamp. Ultraviolet lamp.
 Lamp fixture. Rainproof fluorescent. A. W. Hanger. 2,625,647, Jan. 13.
 Lamp shade. Collapsible and invertible. F. S. Zenda. 2,625,648, Jan. 13.
 Lamp starter. F. H. Rixton. 2,625,622, Jan. 13.
 Lard crystal modification. W. E. Dominick, D. Nelson, and K. F. Mattli. 2,625,484, Jan. 13.
 Lard crystal modification process. W. E. Dominick and D. Nelson. 2,625,485, Jan. 13.
 Laterally collapsible pessary. T. Young. 2,625,154, Jan. 13.
 Laterally traversing vertical blind. C. E. Peck. 2,625,219, Jan. 13.
 Layout measuring tool. A. G. Pujda. 2,624,944, Jan. 13.
 Level winding mechanism. W. F. Lootens. 2,625,346, Jan. 13.
 Lifter: See—
 Sash lifter.
 Lighting fixture which may be used individually or attached to similar fixture. H. L. Goebel. 2,625,646, Jan. 13.
 Line holder for winches. G. R. Hunt. 2,625,373, Jan. 13.
 Liner for steel barrels. E. R. Koppel. 2,625,297, Jan. 13.
 Linkage manually operable to shift the set point of one or two control instruments. L. Gess. 2,625,167, Jan. 13.
 Liquid level responsive mechanism. B. L. Blinford. 2,625,042, Jan. 13.
 Lithium modified magnesium treatment of cast iron. O. Smalley. 2,625,473, Jan. 13.
 Loading apparatus for ring clinching devices. A. C. Lind and B. M. Zuhn. 2,624,880, Jan. 13.
 Lock: See—
 Bedrail and slat lock. Panic lock.
 Lock-off device for electric switches. R. P. Ballou. 2,625,617, Jan. 13.
 Locomotive wheel and axle drive assembly. W. Dalton. 2,625,116, Jan. 13.
 Long-acting morphine injection. O. G. Salt. 2,625,501, Jan. 13.
 Loom picker head. A. E. Chouinard. 2,625,181, Jan. 13.
 Loom shuttle box with electric switch loom control. A. J. Dufourd and F. A. Lovshin. 2,625,183, Jan. 13.
 Loop-forming attachment for tufting machines. W. V. Williams. 2,625,125, Jan. 13.
 Lubricating grease composition. R. J. Moore. 2,625,510, Jan. 13.
 Lubricator for hand saws. Saw blade. M. Moskoff. 2,625,188, Jan. 13.
 Machine for inserting cards or the like under envelope flaps. N. H. Morrison. 2,625,392, Jan. 13.
 Machine for making an imprint on cylindrical articles. C. F. Robbins and B. G. Harvey. 2,625,098, Jan. 13.
 Machine for making parts or chips from plastic bulk material. M. J. Weinberg. 2,624,941, Jan. 13.
 Machine for polishing and buffing articles with abrasive carrying fluids. H. J. Vander Wal. 2,624,982, Jan. 13.
 Magnetic measuring gauge. G. N. Krouse. 2,625,585, Jan. 13.
 Magnetic recording and reproducing apparatus combined with disk reproducers. B. Roberts. 2,625,611, Jan. 13.
 Maleic anhydride. Manufacture of. J. R. Darby. 2,625,554, Jan. 13.
 Manganese carbonate. Producing. A. L. Fox. 2,625,462, Jan. 13.
 Manufacturing a reflective fluorescent screen. M. Sadow-sky. 2,625,493, Jan. 13.
 Mattress construction. J. F. McCarthy. 2,624,894, Jan. 13.
 Means to prevent the accumulation of waste in drafting systems. S. P. Spencer. 2,624,919, Jan. 13.

Measuring the average temperature of liquid in storage tanks. H. F. Tapp and G. D. Robinson. 2,625,043, Jan. 13.
 Mechanical movement. A. L. Vissat. 2,625,048, Jan. 13.
 Mechanism for forming strip stock from polyamides. E. E. Montross and P. L. Shurr. 2,624,913, Jan. 13.
 Meter: See—
 Automatic parking meter. Rate meter.
 Grade meter.
 Method and apparatus for consuming bodies. L. H. Vanderwerf. 2,625,121, Jan. 13.
 Methyl tin chlorides. Preparation of. F. A. Smith. 2,625,559, Jan. 13.
 Milk releaser. H. W. Hein. 2,625,133, Jan. 13.
 Mining operation. R. D. Pike and M. Y. Seaton. 2,625,384, Jan. 13.
 Mirror mount. J. H. Eagle. 2,625,359, Jan. 13.
 Mixing and dispensing device. D. Murphy. 2,625,430, Jan. 13.
 Mixing attachment for water faucets. W. D. Williams and H. L. Binley. 2,625,176, Jan. 13.
 Mixing valve. W. V. Jordan. 2,625,331, Jan. 13.
 Modification of lard. D. Nelson and K. F. Mattli. 2,625,487, Jan. 13.
 Modified lard and producing same. K. F. Mattli and F. A. Norris. 2,625,478, Jan. 13.
 Mold: See—
 Wall block mold.
 Molding concrete structures. K. P. Billner. 2,624,931, Jan. 13.
 Monitoring gas for radioactive xenon. W. R. Kanne. 2,625,637, Jan. 13.
 Motion converting means. J. J. Haythornthwaite. 2,625,049, Jan. 13.
 Motor control system. G. D. Sheckels. 2,625,673, Jan. 13.
 Mounting. J. W. King and J. J. McNamee. 2,625,351, Jan. 13.
 Mounting of plank on swing hangers for railway trucks. W. Van Der Sluyt. 2,625,117, Jan. 13.
 Mounting of the stator blades of gaseous fluid turbines. H. S. Rainbow and D. Paul. 2,625,367, Jan. 13.
 Mowing apparatus. A. G. Goodnight. 2,624,999, Jan. 13.
 Multiple glass sheet glazing unit. R. A. Gaiser and C. M. Browne. 2,625,640, Jan. 13.
 N-ketoalkyl-p-aminobenzoates. D. I. Welsblat, H. J. Magerle, and S. T. Hoffman. 2,625,562, Jan. 13.
 Nail driver. F. J. Baird. 2,624,879, Jan. 13.
 Nail applicator. V. H. Roehrich. 2,625,159, Jan. 13.
 Needle threading device. C. A. Plinkham and R. Holohan. 2,625,307, Jan. 13.
 Nesting bowls and supporting means therefor. M. Clements. 2,625,274, Jan. 13.
 Neutral esters of dicarboxylic acid orthophosphoric acid mixed anhydrides and condensation polymerization process utilizing the same. J. E. Kirby. 2,625,536, Jan. 13.
 Nozzle structure. Gas turbine. A. Howard and C. J. Walker. 2,625,013, Jan. 13.
 Nozzle, variable flow. W. Crook. 2,625,008, Jan. 13.
 Odorant for gaseous fuels. H. B. Pollock. 2,625,518, Jan. 13.
 1-benzoyloxy-2-alkylaminolindanes. R. V. Heinzelmann. 2,625,567, Jan. 13.
 Open telegraph line indicator. F. H. Hanley. 2,625,608, Jan. 13.
 Organic compounds. Making. R. L. Logan. 2,625,558, Jan. 13.
 Orienting articles of predetermined shape. V. F. Nakarda. 2,625,282, Jan. 13.
 Ornamental wheel cover. O. A. Lyon. 2,625,440, Jan. 13.
 Oscilloscope. Multiple trace. H. Chance. 2,625,607, Jan. 13.
 Ottoman and chair. Combination. S. G. Reichman. 2,625,204, Jan. 13.
 Over and under actuator for electric switches. J. S. Coldwell. 2,625,629, Jan. 13.
 Overdoor. J. H. McKee and M. E. Hartsler. 2,625,221, Jan. 13.
 Oxidation catalysts. M. J. P. Hartig. 2,625,519, Jan. 13.
 Oxidizing sterol alcohols. A. C. Ott and M. F. Murray. 2,625,556, Jan. 13.
 Oxygen and peroxide treatment of esters of inorganic silicon oxy acids. J. B. Rust and C. A. MacKenzie. 2,625,520, Jan. 13.
 Oxygen detection and measurement. E. L. Kells and D. H. Larsen. 2,625,584, Jan. 13.
 Package sealing die having resilient facing strip. L. L. Salfenberg. 2,624,992, Jan. 13.
 Packaging elongated articles. R. T. White. 2,624,980, Jan. 13.
 Packaging press. W. L. Davis. 2,625,310, Jan. 13.
 Pad: See—
 Knee crutch pad. Shoulder pad.
 Page and indicator mechanism for typewriters. J. S. Burris. 2,625,253, Jan. 13.
 Paint can holder. E. Uhlig. 2,625,299, Jan. 13.
 Paint draining and brush cleaning device. J. A. de Armas. 2,625,270, Jan. 13.
 Pallet. D. B. Adams. 2,625,355, Jan. 13.
 Panic lock. O. M. Slevert. 2,625,418, Jan. 13.
 Paper carton collapse. W. G. Peterson. 2,625,096, Jan. 13.
 Paper-cutting mechanism. E. E. Garrett. 2,625,224, Jan. 13.
 Pebble chamber. L. C. Bearer. 2,625,377, Jan. 13.
 Penicillin histidine. S. L. Rankin. 2,625,543, Jan. 13.
 Perfume bottle container. D. L. Spender. 2,625,292, Jan. 13.
 Permanent waving device. T. Paul. 2,625,164, Jan. 13.
 Phonograph tone arm. H. E. F. C. Lingenbrink. 2,625,400, Jan. 13.
 Photoelectric sorting apparatus. D. C. Cox. 2,625,265, Jan. 13.
 Photogrammetrical plotting projector apparatus for radial nadir point triangulation. U. Nistri. 2,625,074, Jan. 13.
 Photographic enlarger. W. Baasner and K. Huber. 2,625,075, Jan. 13.
 Photographic silver halide developing solutions containing calcium precipitation inhibitors. R. W. Henn. 2,625,476, Jan. 13.
 Picking mechanism for looms. R. F. Dion. 2,625,180, Jan. 13.
 Pilot operated fluid pressure regulator. G. C. Hughes. 2,624,980, Jan. 13.
 Pilot operated quick opening control valve. J. F. Ziskal. 2,625,177, Jan. 13.
 Pilot operated relief valve. W. A. Forde. 2,625,174, Jan. 13.
 Pin: See—
 Tie forming and holding pin.
 Pipe and insulation structure. J. W. Kice. 2,625,263, Jan. 13.
 Pipe supporting and anchoring means. E. P. Smith. 2,625,354, Jan. 13.
 Pitch change means for helicopter rotors. I. B. Laakowitz. 2,625,227, Jan. 13.
 Pivoted contact measuring tool. J. N. Kempf. 2,624,948, Jan. 13.
 Plant setting machine. C. L. Carelock. 2,625,122, Jan. 13.
 Plastic reinforced rods and bars. Making. K. A. Koch. 2,625,498, Jan. 13.
 Plastic spreading method and apparatus. T. J. Rhodes. 2,624,914, Jan. 13.
 Plate counter and stacker. R. Wells. 2,625,329, Jan. 13.
 Plate trimming machine. Automatic. A. D. Lund. 2,625,223, Jan. 13.
 Pliers, chain link compressing. C. E. Stone and F. J. Brzoticky. 2,625,067, Jan. 13.
 Plotting device. P. Morris. 2,624,951, Jan. 13.
 Plow, two-way. H. A. Purache. 2,625,089-91, Jan. 13.
 Plowshare. W. J. Borat. 2,625,093, Jan. 13.
 Plug: See—
 Switchboard plug.
 Pneumatic agitator washer. N. B. Wales. 2,625,029, Jan. 13.
 Pocket fishing game device. J. Frechtmann. 2,625,396, Jan. 13.
 Pocket key case. L. L. Sherwood. 2,625,191, Jan. 13.
 Polishing or buffing composition and using the same. H. J. Vander Wal. 2,624,988, Jan. 13.
 Polymer composition and preparing same. J. D. Garber and W. J. Sparks. 2,625,523, Jan. 13.
 Polyvinylchloride-dienitrile-polyester composition. W. J. Sparks and D. W. Young. 2,625,526, Jan. 13.
 Poppet valve assembly. G. L. Teacher. 2,625,364, Jan. 13.
 Porous bearing with lubricant reservoir therein. J. Haller. 2,625,452, Jan. 13.
 Portable ball cleaner. T. O. Smith. 2,624,900, Jan. 13.
 Pot type oil burner. R. N. St. John and K. E. Goldsberry. 2,625,214, Jan. 13.
 Potentiometer. A. Warsher. 2,625,633, Jan. 13.
 Power drive. H. B. Pealer. 2,624,895, Jan. 13.
 Power plant. W. E. Brill. 2,625,145, Jan. 13.
 Precision gauge. D. G. Schlemmer. 2,624,949, Jan. 13.
 Preheater for oil burners. Oil and air. H. S. Hill. 2,625,211, Jan. 13.
 Press: See—
 Packaging press.
 Vulcanizing or like press.
 Press for molding concrete building elements. L. D. Long. 2,624,928, Jan. 13.
 Pressing machine. Multiple buck garment. C. G. Westwood. 2,624,964, Jan. 13.
 Pressure container with removable closure. H. L. Parr. 2,625,296, Jan. 13.
 Preventing internal-combustion turbine units from icing. Means for. T. Clark. 2,625,010, Jan. 13.
 Printing hammer rebound preventing means. H. M. Williams and J. E. Johnson. 2,625,100, Jan. 13.
 Process and apparatus for the production of fibers from thermoplastics. P. R. Heymes and I. Peyches. 2,624,912, Jan. 13.
 Processing of heat-sensitive fluids. T. Wasserman and M. E. Lazar. 2,625,488, Jan. 13.
 Processing of sulfur-vulcanizable materials, and related compositions. W. T. Cooper. 2,625,528, Jan. 13.
 Producing modified lard. K. F. Mattli and F. A. Norris. 2,625,478-82, Jan. 13.
 Producing modified lard. K. F. Mattli and D. Nelson. 2,625,483, Jan. 13.
 Producing modified lard. D. Nelson and K. F. Mattli. 2,625,486, Jan. 13.

- Producing reducing gas mixtures. G. Roberts, Jr. 2,625,470, Jan. 13.
Producing regenerated cellulose articles from viscose. G. A. Richter, Jr. and R. H. Braunlich. 2,625,461, Jan. 13.
Producing welded double glassed units. W. R. Clever and H. O. Phalin. 2,624,970, Jan. 13.
Projector, Multiprogram. D. A. Young, Jr. and R. A. Fox. 2,625,073, Jan. 13.
Projector, Picture. E. W. Goldberg. 2,625,077, Jan. 13.
Projector, Repeating type elastic band. F. T. Eagleson, Jr. 2,625,147, Jan. 13.
Propeller for aircraft, Tilttable. R. O. Froling. 2,625,347, Jan. 13.
Proportionally balancing garments. H. Booth. 2,624,943, Jan. 13.
Protective preparation against mustard gas. J. N. Loeble. 2,625,500, Jan. 13.
Pulley bearing seal. C. Van Deventer, III. 2,625,447, Jan. 13.
Pulse forming circuit. S. J. Krollkoski, Jr., and D. T. Jarvis. 2,625,052, Jan. 13.
Pulse recording apparatus. J. P. Eckert, Jr., J. C. Sims, Jr., and H. F. Welsh. 2,625,607, Jan. 13.
Pump: See—
Double-acting reciprocating pump.
Fuel pump.
Rotary hydraulic pump.
Rotary impeller pump.
Self-reversing rotary pump.
Water pump.
Pump for vertical movement of liquids. O. and W. D. Haentjens. 2,625,110, Jan. 13.
Purification of acyl p-aminophenols with isopropyl alcohol. D. L. Cottle and D. W. Young. 2,625,557, Jan. 13.
Puzzle, Three-dimensional take-apart. I. H. Steinhart. 2,625,399, Jan. 13.
Quantized pulse transmission with few amplitude steps. J. O. Edson. 2,625,604, Jan. 13.
Rack: See—
Drying rack.
Spool rack.
Radar scanning system. H. Iams. 2,625,679, Jan. 13.
Radiant energy navigational device. D. K. Allison. 2,625,678, Jan. 13.
Radiator header hose fitting. F. M. Young. 2,625,412, Jan. 13.
Ramble processing apparatus. G. Brereton. 2,624,918, Jan. 13.
Rate meter. F. N. Hlackmore. 2,625,656, Jan. 13.
Recording apparatus. F. T. John and J. H. Cannon, Jr. 2,625,459, Jan. 13.
Recording apparatus. R. C. Ruhland. 2,625,458, Jan. 13.
Recording phenomena by means of standing waves, Method of and means for. J. L. Cloud and N. Marchand. 2,625,460, Jan. 13.
Recovering volatile flavoring material, Method and apparatus for. J. A. Cross. 2,625,505, Jan. 13.
Reel: See—
Single-action spinning reel.
Reel for strip material. H. Fagz and G. Starrett. 2,625,339, Jan. 13.
Reflective marker. W. L. Morser. 2,625,130, Jan. 13.
Refrigerator air circulation control. J. B. Tucker. 2,625,017, Jan. 13.
Refrigerator construction. R. E. Moore. 2,625,201, Jan. 13.
Regulator: See—
Pilot operated fluid pressure regulator.
Voltage regulator.
Reinforcing frame and holder for automobile license plates. O. F. Baumgärtner. 2,624,966, Jan. 13.
Rejector blade for rotary pulverizers. W. C. Rogers and M. W. Higgins. 2,625,332, Jan. 13.
Relay permutation-type switching system. A. E. Joel, Jr. 2,625,410, Jan. 13.
Removable seat cover. F. F. Eull. 2,625,210, Jan. 13.
Resilient support. D. Signarini. 2,625,389, Jan. 13.
Resins and process for producing same from reaction products of hydroxy aromatic aldehydes and mercaptans. R. H. Thompson. 2,625,534, Jan. 13.
Resolution of isomidsone with (L)-1p-nitrobenzoyl-glutamic acid. M. Slettinger and M. Tishler. 2,625,564, Jan. 13.
Resonator. C. H. Chandler. 2,625,605, Jan. 13.
Rheometer. W. Patterson, Jr. 2,625,034, Jan. 13.
Road auger boring machine. I. R. Smith. 2,625,376, Jan. 13.
Roasting of sulfides. E. J. Roberts, R. M. Moley, and D. F. Wells. 2,625,464, Jan. 13.
Rocket motor cooling system. R. C. Truax. 2,625,007, Jan. 13.
Roller bearing. G. F. Ringsmith. 2,625,450, Jan. 13.
Roller hatch beam. G. Sipkin. 2,625,128, Jan. 13.
Rotary hydraulic coupling. L. J. Wolf. 2,625,014, Jan. 13.
Rotary hydraulic pump. G. J. Coberly. 2,625,109, Jan. 13.
Rotary impeller pump. C. J. Stubau. 2,625,112, Jan. 13.
Rubber article, Inflatable. M. L. Harrison and W. D. Stearns. 2,625,209, Jan. 13.
Rug scrubbing machine. K. C. Atkin. 2,624,896, Jan. 13.
Safety cigarette holder. R. F. Jones and F. A. Hollins. 2,625,163, Jan. 13.
Safety coupling mechanism for semitrailers. J. J. Black. 2,625,406, Jan. 13.
Safety device for automotive vehicles. J. Kriseman. 2,625,051, Jan. 13.
Sagebrush puller or uprooter. M. C. Choate. 2,624,998, Jan. 13.
Salt drying and cooling apparatus. C. S. Robison. 2,624,935, Jan. 13.
Sander for automotive vehicles. P. J. Sundhelm. 2,625,417, Jan. 13.
Sanitary napkin. R. W. Johnson. 2,625,161, Jan. 13.
Sash assembly, Removable. D. R. Rogers. 2,624,923, Jan. 13.
Sash lifter. E. E. Foster. 2,624,906, Jan. 13.
Saturable core reactor system. F. Landau, J. E. Carlsson, and S. E. Hedström. 2,625,677, Jan. 13.
Saw carrier guiding device. C. Stadick. 2,625,059, Jan. 13.
Saw, Masonry. E. A. Zuzelo. 2,624,964, Jan. 13.
Sawset. J. Schneider. 2,625,058, Jan. 13.
Sawing machine with improved feed actuation. R. L. Merry. 2,625,185, Jan. 13.
Scaffold, Elevating. A. Sensesbaugh. 2,625,443, Jan. 13.
Screen: See—
Window screen.
Seal for hydraulic rams. N. A. Christensen. 2,625,413, Jan. 13.
Sealed filling cap for fuel storage tanks. A. A. Arvintz, N. A. Arvintz, and R. A. Arvintz. 2,625,272, Jan. 13.
Sealing compound. A. C. Fischer and W. H. Walker. 2,625,322, Jan. 13.
Sealing element for pressure vessels. W. Krana. 2,625,414, Jan. 13.
Sealing plastic materials, Means and method of. E. W. Smith. 2,625,201, Jan. 13.
Sealing ring for containers. R. S. Easterday. 2,625,295, Jan. 13.
Seam for tarpaulin or other waterproof fabric. J. Herman. 2,624,886, Jan. 13.
Seam welder head. E. A. Mallett and M. M. Seeloff. 2,625,639, Jan. 13.
Securing together two shafts or the like, Means for. L. R. Fellows. 2,625,416, Jan. 13.
Self-reversing rotary pump. L. Fincher. 2,625,103, Jan. 13.
Separation of oxygenated compounds with bisulfite adducts. V. F. Michael. 2,625,500, Jan. 13.
Sewing machine, Shoe. A. R. Morrill. 2,625,124, Jan. 13.
Shaft sealing device. T. Bjornstad. 2,625,446, Jan. 13.
Sheet assembly structure. J. W. Kice and J. M. Redmond, Jr. 2,625,290, Jan. 13.
Sheet reversing mechanism for rotary perfecting sheet printing apparatus. H. F. Gammeter. 2,625,101, Jan. 13.
Sheet stacking machine. L. S. Brown. 2,625,394, Jan. 13.
Shoulder pad. K. L. MacManus. 2,624,885, Jan. 13.
Shrouded impeller. V. Moore. 2,625,365, Jan. 13.
Shutoff device, Automatic. T. E. Parrish. 2,625,169, Jan. 13.
Shutter opening device for focusing. C. C. Fuerst. 2,625,088, Jan. 13.
Side bar for posting trays, Adjustable. G. F. Edeberg. 2,625,162, Jan. 13.
Signal: See—
Traffic signal.
Signal control system, Electrical. L. Boddy. 2,625,595, Jan. 13.
Signal discriminator. F. A. Gaynor and C. G. Yates, Jr. 2,625,662, Jan. 13.
Silent dictation mask. H. L. Webb. 2,625,615, Jan. 13.
Silica flattening agent and manufacturing it. L. O. Young. 2,625,492, Jan. 13.
Single-action spinning reel. O. R. Marxon. 2,625,341, Jan. 13.
Siphon box. S. A. Wilson. 2,625,175, Jan. 13.
Ski attachment. E. H. Staff. 2,625,405, Jan. 13.
Ski, Power-driven. S. Van Voorhees. 2,625,229, Jan. 13.
Skiving tool holding means for automatic screw machines. J. R. Smith. 2,625,068, Jan. 13.
Slide binder clamping apparatus. L. E. Chamberlain. 2,625,197, Jan. 13.
Slip. S. Roodner. 2,624,882, Jan. 13.
Slip casting machine. R. H. Turner. 2,625,259, Jan. 13.
Snelled fishhook holder. H. O. Wilcox, J. C. Raymond, and A. N. Ophelm. 2,624,973, Jan. 13.
Socket connector. C. E. Gilbert. 2,625,576, Jan. 13.
Socket having a locking tab with a gradually sloping camming surface. H. P. Dupre. 2,625,578, Jan. 13.
Solutions of proteins and their preparation. J. R. Caldwell. 2,625,490, Jan. 13.
Sound reproducing stylus. J. R. Frederick. 2,625,401, Jan. 13.
Spark plug cover. M. T. Stephens. 2,625,146, Jan. 13.
Spark plug elbow and barrel sealing grommet. J. D. Frazee. 2,625,579, Jan. 13.
Speed control of conveyor drives. A. J. Schenk. 2,625,257, Jan. 13.
Spool rack. J. De Palma. 2,625,345, Jan. 13.
Sprayer, Liquid. E. W. Voae. 2,625,433, Jan. 13.
Sprayer, Packaged power. J. H. Mueller. 2,625,431, Jan. 13.
Spreader type applicator for liquid containers. D. R. Wiley. 2,624,901, Jan. 13.
Spring oscillating chair. F. T. Holmes. 2,625,205, Jan. 13.

- Sprinkler apparatus, Portable off-the-ground. O. M. Free-stone. 2,625,434, Jan. 13.
Sprinkler rotating spinner drive and seal. H. F. Unger. 2,625,411, Jan. 13.
Sprinkling system. W. H. Coles. 2,625,428-9, Jan. 13.
Stabilization of photographic developers. H. D. Russell and G. M. Halst. 2,625,475, Jan. 13.
Stabilized plastic compositions of chlorine-containing vinyl resins. W. F. Fischer and D. W. Young. 2,625,321, Jan. 13.
Stabilized wax composition. D. W. Young and P. V. Smith, Jr. 2,625,491, Jan. 13.
Stamped metal vehicle wheel. H. J. Horn. 2,625,438, Jan. 13.
Stand: See—
Adjustable punching bag stand.
Stapling machine. H. W. Marano. 2,624,878, Jan. 13.
Starter for small internal-combustion engines. R. S. Demits. 2,625,143, Jan. 13.
Steam bath. L. A. Peasina. 2,624,887, Jan. 13.
Steam engine slide valve control device. A. McMillan. 2,625,137, Jan. 13.
Sterilizer, Plant bed. H. J. Morgan. 2,625,123, Jan. 13.
Steroid-aldehyde cyanohydrins. R. H. Levin, A. V. McIntosh, Jr., and A. P. Centolella. 2,625,545, Jan. 13.
Stool, Folding. J. Lee. 2,625,208, Jan. 13.
Stop-motion for knitting machines. R. H. Lawson. 2,625,026, Jan. 13.
Storage battery plate grid. L. Fuller. 2,625,574, Jan. 13.
Strain measurement. L. G. Cowles. 2,625,030, Jan. 13.
Stream splitter for dividing granular materials. W. C. Conkling. 2,625,305, Jan. 13.
Stretching machine jaws. E. W. Cooper. 2,625,196, Jan. 13.
Stripping apparatus. B. A. Black and S. Kalm. 2,624,897, Jan. 13.
Subcutaneous medication. J. W. Lee, H. E. Martin, and W. M. Alexander. 2,625,158, Jan. 13.
Subsurface sampler. C. A. Wofford. 2,625,226, Jan. 13.
Sump pump control, Submersible. E. J. Schaefer. 2,625,107, Jan. 13.
Sunshade for motor vehicles. W. L. Griffin. 2,625,358, Jan. 13.
Superregenerative apparatus. B. F. Spencer. 2,625,650, Jan. 13.
Supersonic inspection device. F. A. Firestone. 2,625,035, Jan. 13.
Supplementary brake fluid reservoir. T. S. Alexander. 2,625,287, Jan. 13.
Support: See—
Resilient support.
Support for lines and the like. W. G. Moran. 2,625,342, Jan. 13.
Surfaced fabric and making same. R. J. Nebesar. 2,625,499, Jan. 13.
Switch: See—
Electric mat switch.
Toggle switch.
Horn button switch.
Switch. H. W. Eckles. 2,625,630, Jan. 13.
Switchboard plug. A. J. Wier. 2,625,577, Jan. 13.
Switch structure, Electrical. J. B. Parsons. 2,625,616, Jan. 13.
Switching apparatus, Low differential. R. T. Squier. 2,625,046, Jan. 13.
Synthesis of 3-(beta-keto-gamma-(2-piperidyl) propyl)-4-quinazolinone compounds. B. R. Baker and M. V. Querry. 2,625,549, Jan. 13.
Synthetic resins. G. L. Doelling and K. H. Adams. 2,625,530, Jan. 13.
System for measuring phase and gain. E. W. Houghton. 2,625,589, Jan. 13.
Table leg pivot and latch mechanism. W. O. Brown. 2,625,454, Jan. 13.
Tamperproof pocket autographic register. M. J. Ulline. 2,625,409, Jan. 13.
Tank level control. P. W. Robinson. 2,625,658, Jan. 13.
Tear strip remover for cans. A. Rodin and E. K. Lott-hammer. 2,625,294, Jan. 13.
Telegraph repeater. F. H. Hanley. 2,625,609, Jan. 13.
Telegraph switching system, Automatic. R. H. Halvorsen. 2,625,601, Jan. 13.
Telephone holder or support. J. M. Rheina and S. S. Klein. 2,625,612, Jan. 13.
Telephone indicia card holder. D. Griswold. 2,624,905, Jan. 13.
Telescope gun sight mount. J. M. Miller. 2,624,946, Jan. 13.
Telescoping box with cover fastener. J. H. Storts. 2,625,316, Jan. 13.
Telescoping piston type lifting jack. W. E. Pitts. 2,625,135, Jan. 13.
Television pulse separation circuit. W. J. Gruen and T. V. Zaloudek. 2,625,603, Jan. 13.
Terpolymers of sulfur dioxide, monoolefinic materials and a liquid polymer of a conjugated diene, and their production. C. S. Lynch. 2,625,525, Jan. 13.
Textile spindle. A. P. Brouillard. 2,625,336, Jan. 13.
Textile spool. R. L. Foote. 2,625,343, Jan. 13.
Textile spool driving connection. R. Atwood. 2,625,335, Jan. 13.
Textile treating machine. W. N. Hadley. 2,624,963, Jan. 13.
Thermistor control circuit. E. Lakatos and B. McMillan. 2,625,606, Jan. 13.
Thermostatic accelerating pump control. L. D. Boyce. 2,625,382, Jan. 13.
Thio-alkyl pantothenamides, Preparation of. E. E. Snell, E. L. Wittle, and J. A. Moore. 2,625,565, Jan. 13.
Thiophene amines. J. W. Schick and H. D. Hartough. 2,625,550, Jan. 13.
Thread drag tester. W. P. Ireland, Jr. 2,625,040, Jan. 13.
Thread holder for weft replenishing looms, Pneumatic. G. C. Beatrice. 2,625,182, Jan. 13.
3,20-diacyloxy-5,7,9(11),17(20)-pregnatriene adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,625,546, Jan. 13.
Thrust absorbing device for rotationally oscillating systems. G. C. Seavey. 2,625,380, Jan. 13.
Ticket printing mechanism. B. K. Sionneger. 2,625,103, Jan. 13.
Tie forming and holding pin. W. B. Rees. 2,624,883, Jan. 13.
Timber grapple. W. A. Hyman. 2,625,424, Jan. 13.
Tire building apparatus. H. C. Bostwick. 2,625,198, Jan. 13.
Toggle switch. O. H. Hasselbaum. 2,625,620, Jan. 13.
Tone interrupter for audiometers. F. E. Barron. 2,625,613, Jan. 13.
Tool: See—
Layout measuring tool.
Pivoted contact measuring tool.
Tool for handling packages of yarn. S. B. Roberts and B. C. Gibbs. 2,625,422, Jan. 13.
Top-capping heavy-duty tires. E. A. Glynn. 2,625,199, Jan. 13.
Top wig for horses. W. D. Laningham. 2,624,996, Jan. 13.
Total taking means for typewriter-computers. O. J. Sundstrand. 2,625,324, Jan. 13.
Toy boat, Jet-propelled. D. G. Belding. 2,624,975, Jan. 13.
Toy, Cord impelled rotatable disk. D. A. Baker. 2,624,977, Jan. 13.
Toy, Musical. H. Zimmerman. 2,625,069, Jan. 13.
Traction device. P. O. De Ragon. 2,625,441, Jan. 13.
Traction device. J. M. Westrate. 2,625,194, Jan. 13.
Traction device for pneumatic tires. J. La Rocca. 2,625,193, Jan. 13.
Traffic signal. R. F. Broussard and C. A. Toce. 2,625,598, Jan. 13.
Trailer automatic brake applying means. I. E. Jones and C. B. Reynolds. 2,625,243, Jan. 13.
Trailer for hauling farm implements. H. W. Yerman. 2,625,372, Jan. 13.
Transaction counter selection and control. F. B. Moser. 2,625,322, Jan. 13.
Transducer. G. N. Howatt. 2,625,663, Jan. 13.
Transformer gin. C. N. Dunn. 2,625,371, Jan. 13.
Transformer tap changer. M. Rigert. 2,625,619, Jan. 13.
Transmission. D. W. Kelbel. 2,625,037, Jan. 13.
Traverse guide trip. C. B. Kingsbury and R. H. Carter. 2,625,333, Jan. 13.
Trioxepane polymers. W. F. Gresham and C. D. Bell. 2,625,569, Jan. 13.
Truck, Industrial. E. W. Weaver. 2,625,285, Jan. 13.
Truck, Service. C. W. Rickel and F. Eyerly. 2,625,427, Jan. 13.
Tube: See—
Electron tube.
Ultrahigh-frequency switch tube.
Tube socket. J. D. Helbel. 2,625,582, Jan. 13.
Turbine rotor construction. E. M. Williams. 2,625,366, Jan. 13.
2-acetoacetylaminothiophene. R. S. Long. 2,625,551, Jan. 13.
2-ethyl butyric acid and 2-ethyl heanoic acid esters of 2,2,4-trimethyl pentane diol-1,3. A. Bell. 2,625,563, Jan. 13.
2-(2'-hydroxy-3'-naphthoylamino)-thiophene. R. S. Long. 2,625,552, Jan. 13.
Typewriter, Korean. P. W. Kong. 2,625,251, Jan. 13.
Ultrahigh-frequency switch tube. H. Helms. 2,625,668, Jan. 13.
Ultraviolet lamp. G. F. Embahoff. 2,625,670, Jan. 13.
Universal joint. O. E. Dunn. 2,625,016, Jan. 13.
Unloading means for gasoline dispensing pumps. J. A. Logan. 2,625,108, Jan. 13.
Vacuum cleaner mechanism responsive to thermal effects of filter bag filling. E. P. Senné. 2,625,239, Jan. 13.
Valve: See—
Antidribble valve.
Pilot operated quick opening control valve.
Axially movable plug valve.
Pilot operated relief valve.
Butterfly valve.
Water regulator valve.
Mixing valve.
Valve. D. N. Evans. 2,625,362, Jan. 13.
Valve assembly, Multiple. T. A. St. Clair. 2,625,016, Jan. 13.
Valve controlled muffler with a plurality of through passages. P. B. Fina. 2,625,234, Jan. 13.
Valve core for pneumatic tire valve stems. C. H. Mayer. 2,625,170, Jan. 13.
Valve device, Quick-acting. D. J. Price. 2,625,178, Jan. 13.
Valve mechanism. L. G. Lindsay. 2,625,166, Jan. 13.
Vane controlled stabilizing rigging for aircraft landing skids. F. J. Ditter. 2,625,350, Jan. 13.
Vaporizer and charge therefor. F. W. Schmitt. 2,624,925, Jan. 13.

- Vaporizer, Dual-purpose. S. Duberstein. 2,624,924, Jan. 13.
- Vehicle: See—
- Figure simulating toy vehicle.
- Vehicle engine cooling system utilizing air ejector pump to induce flow of additional cooling air. J. H. Leggett and F. C. Morris. 2,625,009, Jan. 13.
- Vehicle lift for wrecking trucks. D. G. Dalby and M. E. Smith. 2,625,279, Jan. 13.
- Vehicle wheel. H. J. Horn. 2,625,439, Jan. 13.
- Vehicle wrecker hoist mechanism. G. M. Ashton. 2,625,275, Jan. 13.
- Venetian blind. C. W. Ferreira. 2,625,220, Jan. 13.
- Ventilating ridge roll for roofs. J. Boalforte. 2,625,094, Jan. 13.
- Vibration testing apparatus. I. Mendelson. 2,625,659, Jan. 13.
- Vibrator with amplitude measuring circuit. W. O. Frohling. 2,625,152, Jan. 13.
- Vinyl compositions stabilized against changes in color. F. J. Williams and J. G. Hendricks. 2,625,533, Jan. 13.
- Viscous urea-formaldehyde compositions and preparing the same. H. M. Kraines. 2,625,524, Jan. 13.
- Visor. L. B. Weymouth. 2,625,426, Jan. 13.
- Voltage regulator. F. J. Lupo. 2,625,675, Jan. 13.
- Vulcanization of rubber. B. C. Barton. 2,625,572, Jan. 13.
- Vulcanizing or like press. W. G. Corson. 2,624,915, Jan. 13.
- Walker for invalids. L. and C. Richardson. 2,625,202, Jan. 13.
- Wall block mold. I. F. Reed. 2,624,929, Jan. 13.
- Wall structure. Solid. W. M. Anderson. 2,624,920, Jan. 13.
- Wallet and purse, Combination. S. Kne. 2,625,180, Jan. 13.
- Warp guide bar operating mechanism. E. Bellini. 2,625,023, Jan. 13.
- Washer: See—
- Pneumatic agitator washer.
- Washing machine and control therefor. V. J. Wooster. 2,625,030, Jan. 13.
- Washing machine drive mechanism. G. P. Castner. 2,625,244, Jan. 13.
- Washing machine provided with resilient collapsible inlet. M. A. Kretschman. 2,625,031, Jan. 13.
- Water heater and still. A. W. Baer, Jr. 2,625,506, Jan. 13.
- Water pump. C. H. Eisenhuth. 2,625,111, Jan. 13.
- Water regulator valve. W. W. Wood. 2,625,171, Jan. 13.
- Water resistant grease. F. H. Stross. 2,625,508, Jan. 13.
- Water trap for gasoline tanks. H. B. Hatfield, Jr. 2,625,268, Jan. 13.
- Water trough. E. Murphy. 2,625,289, Jan. 13.
- Wax-oil separation. P. S. Backlund and V. N. Jenkins. 2,625,502, Jan. 13.
- Weather-resistant concrete. P. J. Keating, Jr. 2,625,480, Jan. 13.
- Web feeding mechanism for screen printing machines. H. F. Worm. 2,625,393, Jan. 13.
- Weighting scale stabilizing mechanism. N. E. Hart. 2,625,444, Jan. 13.
- Weight checking device. J. P. Voller. 2,625,266, Jan. 13.
- Welding control. J. F. Schmidt. 2,625,651, Jan. 13.
- Welding system. H. J. Graham. 2,625,638, Jan. 13.
- Wheel: See—
- Stamped metal vehicle wheel.
- Wheel mounting assembly. A. L. Lado. 2,625,232, Jan. 13.
- Wheeled motor carrying attachment. A. E. Burkhardt. 2,625,230, Jan. 13.
- Wheeled vehicle for infants, Foldable. W. O. Varner. 2,625,407, Jan. 13.
- Wind tunnel and straight duct section for such tunnels. J. O. Jackson. 2,625,038, Jan. 13.
- Window control device. A. L. W. Williams. 2,625,337, Jan. 13.
- Window. A. Nihon. 2,625,218, Jan. 13.
- Window sash clamping device. D. Tappan. 2,625,419, Jan. 13.
- Window screen. G. M. and E. W. Spiller. 2,625,217, Jan. 13.
- Windshield wiper. A. P. Wianco. 2,624,904, Jan. 13.
- Windshield wiper arm connector. F. A. Krohm. 2,624,903, Jan. 13.
- Wire coiling apparatus. P. A. Beaman. 2,625,240, Jan. 13.
- Wood rosin refining process. C. C. Crawford. 2,625,540, Jan. 13.
- Work loading device for machine tools. W. E. Happel. 2,624,985, Jan. 13.
- Work position responsive control mechanism. J. H. Mansfield. 2,625,061, Jan. 13.
- Work supporting member, Adjustable. L. T. Cookson. 2,625,099, Jan. 13.
- Wrapping device, Article. R. H. Robertson. 2,624,993, Jan. 13.
- Wrapping machine, Bag. H. G. Allen. 2,624,990, Jan. 13.
- Wrapping machine for flexible articles. F. C. Crescenzo. 2,624,994, Jan. 13.
- Wrapping machine, Frankfurter. T. J. C. Chapman, H. G. Holts, and B. S. Jenison. 2,624,991, Jan. 13.
- Yarn cleaner. W. G. Quick and W. G. Wilson. 2,624,933, Jan. 13.
- Yarn tension control, Automatic. P. J. Schoenater and M. E. Ebert. 2,625,021, Jan. 13.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 13, 1953

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business December 31, 1952

Total number of patent applications awaiting action, 99,086. Date of oldest new application, March 29, 1952; date of oldest amended application, March 27, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) KEELY, J. E.			
1. GOLDBERO, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Sewerage.	4-21-52	4-17-52	1611
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presaea, Tobacco; Textile Wringers.	4-23-52	4-23-52	1274
3. MARMELESTEIN, N.-(WINDHAM, R. K., Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-28-52	5-29-52	1788
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus.	4-14-52	4-15-52	1462
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Oats.	4-22-52	4-14-52	1082
6. SURLE, H., Carbon Chemistry (part).	4-24-52	4-7-52	2196
7. OONSALVES, J. E.-(ANDERSON, E. G., Acting), Optics; Photography (part).	5-6-52	5-2-52	1399
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	5-12-52	5-10-52	1320
9. BRANSON, J. H., Pumps and Fans; Fluid Motors.	4-19-52	4-21-52	1388
10. REYNOLDS, E. R.-(NEFF, P. R., Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	5-2-52	5-1-52	1283
11. RENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	4-4-52	4-2-52	1265
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13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	4-10-52	4-10-52	1343
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Parfery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	4-18-52	4-18-52	1442
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	4-21-52	4-23-52	1624
16. LOVEWELL, N. N., Television, Telephony.	4-9-52	4-9-52	1413
17. LEIOHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-14-52	4-7-52	1502
18. KURZ, J. A., Power Plant; Speed Responsive Devices.	5-9-52	5-1-52	736
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	4-11-52	4-6-52	1084
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-1-52	4-25-52	1300
21. MADER, R. C., Textiles.	4-1-52	4-2-52	1346
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	4-21-52	4-22-52	1130
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education.	4-14-52	4-2-52	899
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	5-23-52	5-21-52	1260
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	4-14-52	4-21-52	1434
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	5-1-52	5-1-52	1600
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making.	4-12-52	4-15-52	1498
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-23-52	4-16-52	1207
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus).	5-2-52	4-1-52	1187
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating Systems; Refrigeration; Illuminating Burners.	5-13-52	5-14-52	1506
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehyde, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-29-52	5-27-52	2399
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-proportioning Systems.	5-1-52	5-2-52	1431
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	4-22-52	4-26-52	1778
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fender; Hand and Hoist Line Implements.	4-10-52	4-3-52	1148
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles.	4-23-52	4-25-52	1331
36. McFADYEN, A. D., Measuring and Testing.	4-28-52	5-1-52	1085
37. LEVY, M. L., Electricity—Switches, Welding, Heating; Recorders.	4-15-52	4-16-52	1903
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	4-16-52	4-16-52	1508
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part).	5-24-52	5-30-52	1172
40. DRUMMOND, E. J., Receptacles (part); Packages.	5-12-52	5-11-52	1199
41. OURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-5-52	5-7-52	894

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 99,086. Date of oldest new application, March 29, 1952; date of oldest amended application, March 27, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	5-6-52	5-5-52	1109
43. ASP, N. A.—(KNIGHT, W. O., Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-3-52	5-5-52	1505
44. HARVEY, L. P., Beds; Chairs; Seats.	4-3-52	4-4-52	1143
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-10-52	5-9-52	1279
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	4-4-52	4-2-52	1032
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	4-5-52	4-7-52	1679
48. BEHNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-14-52	4-14-52	1660
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	4-8-52	4-7-52	1407
50. BENOEL, W. O., Synthetic Resins; Rubber.	6-2-52	6-2-52	1493
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	4-23-52	4-23-52	1465
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-2-52	5-2-52	2047
53. BRINDISI, M. V., Label Pasting and Paper Hanging, Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	5-14-52	5-14-52	1033
54. NILSON, R. O., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	4-18-52	4-14-52	1824
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	5-8-52	5-5-52	1004
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	4-25-52	4-28-52	1449
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-24-52	6-24-52	1639
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spitoons.	4-26-52	5-3-52	1278
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	5-8-52	5-1-52	1172
60.*			
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-15-52	4-14-52	1140
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-10-52	5-6-52	1166
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	4-18-52	4-17-52	1806
64. GORECKI, O. A.—(GREENWALD, J., Acting), Fuels and Miscellaneous Compositions.	4-9-52	4-8-52	1818
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	5-2-52	5-1-52	1376
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	4-15-52	4-18-52	909
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	4-21-52	4-24-52	1720
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	5-28-52	5-29-52	1316
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-16-52	4-14-52	1141
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	4-1-52	4-1-52	3088
DESIGNS: A. BREHM, G. L., Industrial Arts.	9-4-52	9-13-52	733
B. GRAY, M. A., Household, Personal and Fine Arts.	9-4-52	9-6-52	835

*Div. 60 was abolished as of December 15, 1952. See Commissioners Administrative Order No. 41, (665 O. O. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 12,659. Date of oldest new application, July 25, 1952; date of oldest amended application, July 25, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARROUR, H. E., Classes 1, 4, 5, 6, 12, 15, 18, 27, 28, 30, 33, 35, 44, 51, 52.	7-25-52	7-25-52	2825
II. SUMMERS, G. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	7-25-52	7-25-52	3476
Renewals (All Classes).	11-5-52	12-12-52	392
Republications (All Classes).	10-29-52	10-29-52	214
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 22, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	7-25-52	7-25-52	3094
IV. KEYS, O. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	8-1-52	7-25-52	2659

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,031,038, C. G. Dreyman, Composition of matter and method of its production, filed Oct. 22, 1952, C. C. A., 1st Cir. (Boston), Doc. 4688, *Russell Box Co. v. Grant Paper Box Co.*

2,036,393, A. J. Briggs, Stranded wire structure and process and machine for producing same, C. C. A., 4th Cir. (Richmond), Doc. 6408, *American Chain & Cable Co., Inc. v. Rochester Rope, Inc.* Decree affirming judgment of district court Oct. 13, 1952.

2,043,479, G. H. Greiman, Lifting Jack, filed Oct. 27, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c2315, *Auto Specialties Mfg. Co. v. Hastings Products, Inc., et al.* Same, filed Oct. 28, 1952, D. C., N. D. Ohio (Cleveland), Doc. 29648, *Auto Specialties Mfg. Co. v. Edward W. Daniel Co., et al.*

2,186,417, C. E. Kraus, Cutter, filed Oct. 22, 1952, D. C., E. D. Mich. (Detroit), Doc. 12254, *The Ingersoll Milling Machine Co. v. Goddard & Goddard Co.*

2,218,926, H. F. Teichmann, Roof for building, filed Oct. 22, 1952, D. C., W. D. Pa. (Pittsburgh), Doc. 10915, *Forster Teichmann Co. v. Henry F. Teichmann, Inc.*

2,255,655, J. W. Deonlog, Picket fence making machine, filed Oct. 30, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14671-C, *Illinois Wire & Manufacture Co. et al. v. Snow Fence Co., et al.*

2,264,194, J. V. Wuestman, Advertising pencil or pen, D. C., S. D. N. Y., Doc. 57/252, *Secretary Pen Co., Inc., et al. v. Everlast Pen Corp.* Stipulation and order of discontinuance (notice Oct. 16, 1952).

2,286,589, E. L. Chott, Mortar and pestle, filed Oct. 22, 1952, D. C., E. D. Pa. (Philadelphia), Doc. 14358, *Crescent Dental Mfg. Co. v. The S. S. White Dental Mfg. Co.*

2,287,200, J. V. Luck, Surgical instrument; 2,557,429, J. E. Hawley, Surgical bone saw drive, filed Oct. 28, 1952, D. C., S. D. N. Y., Doc. 79/378, *Zimmer Mfg. Co. v. Zimmer Splint Co., et al.*

2,320,624, J. A. Love, Disc harrow, C. C. A., 8th Cir. (St. Louis), Doc. 14385, *Continental Farm Equipment Co., Inc. v. Love Tractor, Inc.* Judgment reversed with directions to dismiss plaintiff's bill Oct. 22, 1952.

2,344,228, H. H. Barber, Mixing plant, filed Oct. 29, 1952, D. C. Minn., Doc. 4320, *Barber-Greene Co. v. Pioneer Engineering Works, Inc.*

2,379,643, E. Loy, Finishing treatment for felt and felt hat bodies, filed Nov. 3, 1952, D. C. N. J. (Newark), Doc. 1057/52, *Loy Corp. v. Bohm Bros., Inc.*

2,391,934, S. H. White, Burner tip; 2,513,768, same, Gaseous fuel, filed Oct. 28, 1952, D. C., E. D. Mich. (Detroit), Doc. 12273, *S. H. White v. Michigan Industrial Gas Distributing Co., et al.*

2,437,015, W. Baltz, Suspended horse, filed Sept. 22, 1952, D. C., E. D. Ark. (Little Rock), Doc. 2461, *Wonder Products Co. et al. v. Woodworth's.*

2,454,657, Kusmin & Levine, Vaporizer, suit for declaratory judgment filed Oct. 28, 1952, D. C., S. D. N. Y., Doc. 79/374, *W. R. Kusmin et al. v. Practical Electric Products, Inc., et al.*

2,513,768. (See 2,391,934.)

2,515,604, J. S. Kieh, Automobile bug deflector, D. C., N. D. Ill. (Chicago), Doc. 52c909, *E. E. Evans v. Santay Corp.* Patent held valid and infringed Oct. 24, 1952, Doc. 52c565, *E. E. Evans v. Fortune Mfg. Co.* Decree as above.

2,539,153, H. Muehleisen, Air heating gas burners, filed Oct. 20, 1952, D. C., N. D. Tex. (Fort Worth), Doc. 2437, *Muehleisen Perlite Process, Inc. v. Longhorn Engineering Co.*

2,547,530, J. Mehl, Garment storage bag, D. C., S. D. N. Y., Doc. 74/30, *The Sydney-Thomson Corp. v. Pak-Rite Flexible Packaging Co.* Consent judgment holding infringement, counterclaim dismissed Oct. 29, 1952.

2,547,992, W. C. Baker, Mechanically actuated pipe thread protector, D. C., S. D. Calif. (Los Angeles), Doc. 14095-IIW, *W. C. Baker v. E. H. Williams.* Judgment holding non-infringement, complaint dismissed with prejudice; counterclaim dismissed with prejudice except portion pertaining to invalidity of patent (notice Oct. 21, 1952).

2,548,153, J. W. Ackermans, Folding top for automobiles, appeal filed Oct. 30, 1952, C. C. A., 4th Cir. (Richmond), Doc. 6528, *J. W. Ackermans v. General Motors Corp.*

2,557,429. (See 2,287,200.)

2,558,454, F. Nienaber, Radio signal reception and tuning; 2,587,419, N. E. Washburn, Television tuner; 2,594,667, Lytle & Nienaber, Tuner for radio and television, filed Oct. 2, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c2108, *Lytle Engineering & Mfg. Co. v. Oak Mfg. Co., et al.*

2,560,711, A. D. Foster, Conveyor and switch means for checkout counters, filed Oct. 24, 1952, D. C., E. D. Mich. (Detroit), Doc. 12260, *Durable Fixture Co. et al. v. Altmore Co.*

2,587,419. (See 2,558,454.) 2,584,667. (See 2,558,454.)

2,597,695, Braski & Schwaneke, Cooking utensil; Dec. 1955, J. Morgan, Deep fat fryer, filed Oct. 30, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c2337, *Dormeyer Corp. v. Goldblatt Bros., Inc.*

2,611,199, W. Stelzer, Tag, suit for declaratory judgment, filed Oct. 29, 1952, D. C., S. D. N. Y., Doc. 79/389, *E. J. Brooks Co. v. Stoffel Seals Corp.*

Vol. 666 • No. 3

Tuesday, January 20, 1953

Price \$35.00 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$35.00 per annum, foreign mailing \$10.00 additional; single numbers, 75 cents each.

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TRADE-MARK SUITS

Notices under 15 U. S. C. 1114; act of July 5, 1946.

T. M. 117,358, Robert Reis & Co., Underwear, suit for declaratory judgment filed June 17, 1952, D. C., S. D. N. Y., Doc. 76/286, *Union Underwear Co., Inc. v. Robert Reis & Co.* Stipulation and order of discontinuance (notice Oct. 28, 1952).

T. M. 225,700, Angelica Jacket Co., Men's and women's apparel and uniforms, filed Oct. 10, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14657-HW, *Angelica Uniform Co. v. A-I Manufacturing Co.*

T. M. 313,722, Laevin Parfums, Inc., Perfumes, face powder, etc., D. C., N. D. Ill. (Chicago), Doc. 52c176, *Laevin Parfums, Inc. v. Federal Silver Corp.* Dismissed Oct. 28, 1952.

T. M. 416,579, I. J. Nethe & Co., Ladies' neckwear; T. M. 424,097, same, Velling, D. C., S. D. N. Y., Doc. 77/350, *I. J. Nethe & Co. v. Vanette Fashions et al.*

T. M. 424,097. (See T. M. 416,579.)

NOTICES

Notification of Disposition of Amendments in Appealed Cases

The Solicitor has called my attention to the fact that the Office is receiving a large number of requests for extension of time for filing the brief in appealed cases where the only reason given for the requested extension is that the appellant has not received any notification from the Office as to the disposition of an amendment filed with or after appeal. The appellant's predicament in such a case can be readily appreciated since it is very difficult for him to know how to prepare his brief. Therefore, in order to reduce the number of such requests and to assist the appellant in the preparation of his brief, the Examiner should notify the appellant as promptly as possible of the entry of an amendment filed with or after appeal but before the brief is due.

The first two paragraphs of section 1207 of the Manual of Patent Examining Procedure are rewritten to read as follows:

An amendment filed with or after appeal should be given immediate consideration to determine if it places the case in condition for allowance or in better form for appeal. If the amendment places the case in condition for allowance, the Notice of Allowance is sufficient notification that it has been entered.

Where the amendment is filed a reasonable time before the brief is due, and the Examiner believes the amendment qualifies for entry, the amendment is en-

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tered forthwith and appellant notified as soon as possible so that the brief may be directed to the claims as amended. If entry is denied, appellant should be advised to this effect promptly so that he may petition, if he so desires, from the Examiner's refusal to admit the amendment.

Where the amendment is filed with or after the brief or too late to be considered before the brief is due and the Examiner believes that it qualifies for entry, the amendment is entered forthwith and a notification to that effect in the Examiner's Answer suffices. If entry is denied, appellant should be advised to this effect promptly so that he may petition, if he so desires, from the Examiner's refusal to admit the amendment, and the preparation of the Examiner's Answer should be delayed for twenty days, for that reason.

M. C. ROSA,
Executive Examiner.

Adjudicated Patent

(D. C. Pa.) Fischer Patent No. 2,441,350, for a rotameter and metering tube therefor. Claims 1 to 3, Held invalid, but infringed if valid. *Fischer & Porter Company v. Brooks Rotameter Company*, 107 F. Supp. 1010; 95 USPQ 37.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. 1, Manufacturing Industries, Executive Office of the President, Bureau of the Budget.)

Pat. 2,565,280. Curtain Rod Hanger. Patented Aug. 21, 1951. Curtain rod hanger to receive conventional curtain rod brackets is adjustable vertically so householder may slide the hanger up and down to any desired position, whereby a curtain may be hung without the use of a ladder. An elongated supporting bar is secured along each upper side portion of a window frame. A carriage member with pull cords is slidably mounted on each bar. The ends of a curtain rod may be mounted in the carriage, raised by the pull cords, and held in any desired position by fastening the lower ends of the cords to an anchoring device on sides of window frame. (Owner) Alfred W. Tapp, 78 Clifton Place, Jersey City 4, N. J. Group 25-62. Reg. No. 50,208.

Pat. 2,594,443. Spring Jack. Patented Apr. 29, 1952. Jack for expanding half-elliptic springs such as those used in front and rear suspensions of automobile frames. Includes a threaded shaft, a tube into which the shaft may telescope, and a compact ball bearing ratchet head drive which provides an intermediate drive for the shaft and tube to lengthen or contract the jack. A nut in screw threaded engagement with the shaft has spaced elongated slots. An anti-friction thrust bearing connected to the nut freely encircles the shaft. A ratchet pawl is rotatably carried by a housing encasing the nut and is spring biased to engage one of the slots for imparting circumferential movement to the nut upon rotation of housing. The pawl is wider than the slots, and, when retracted and turned crosswise, the nut may be rotated independently of the housing and pawl by rotating the bearing. (Owner) Thomas C. Johnston, 4148 South Arlington Ave., Los Angeles 8, Calif. Group 33-52. Reg. No. 50,209.

Pat. 2,585,880. Nose Disguise. Patented Feb. 12, 1952. This invention is a nose disguise that can be readily attached to, or removed from, the bridge of a person's nose for use in connection with games, such as penalty games, or for theatrical purposes. The nose disguise is made of resilient material having embedded therein clamping means which is concealed and which can be operated by flexing the nose disguise. The nose disguise may be shaped to any size or form, including classic as well as grotesque styles. Economical to manufacture in quantity production. (Owner) Arthur H. Veerman, 1525 East Cass St., Joliet, Ill. Groups 23-89; 30-51; 39-81. Reg. No. 50,210.

Pat. 2,604,037. Tension Press for Sheet Materials. Patented July 22, 1952. A tension press for sheet materials, such as plywood, wherein piston rods of a series of hydraulic cylinders support, move, and apply force to an upper block to bring the block down into compressive contact with a base member. Includes a reinforced concrete base and a fabricated upper press section. A series of double-acting press cylinders are removably secured in a vertical arrangement within opposite sides of base section. Double-acting press pistons reciprocate in the cylinders, and piston rods connect the pistons and upper press section. A high pressure hydraulic system provides fluid to the cylinders. (Owner) John H. Pearce, Correspondence to Smith & Tuck, 734 Central Building, Seattle 4, Wash. Group 35-61. Reg. No. 50,211.

Pat. 2,577,293. Multiple Spout Container. Patented Dec. 4, 1951. A combination family drinking utensil such as a refrigerator bottle is shaped like the frustum of a cone with individual spouts around upper end for each member of the family. A conical shaped baffle in lower part of utensil extends inwardly and has a flange around the lower end to receive a removable supply container. The baffle has perforations adjacent the flange so the drip from the various spouts passes through the perforations into lower end of utensil. (Owner) Frank Wood, Jr., P. O. Box 5455 N. T. Station, Denton, Tex. Groups 32-21; 39-81; 40. Reg. No. 50,212.

Pat. 2,530,988. Belt-Forming Device. Patented Nov. 21, 1950. A device for home seamstresses for inserting liners in a tubular belt. A series of metal forming blades of different sizes have a common pivot at one end fixed to an adjustable clamp for detachably securing to a work table. Each blade is formed with a transverse twist near its pivoted end. The blades may be selectively swung to vertical position for attachment of a belt stiffener. A tubular belt is then placed over the stiffener. (Owner) A. L. Owens, 408 West Bowie St., Fort Worth, Tex. Groups 33-73; 39-81; 40. Reg. No. 50,213.

Pat. 2,604,650. Self-Cleaning Clothesline Cleaner. Patented July 29, 1952. A self-cleaning device for clotheslines. An elongated housing is slotted to receive a replaceable insert of folded fibrous or felt-like material. A clothesline is introduced between the material in the slot, and, as the housing is moved along the line, the line is cleaned. The soiled portion of insert is removed by action of the clothesline, so insert is always clean ready for use. (Owner) Anita Mattelson, Correspondence to Smith & Tuck, 734 Central Building, Seattle 4, Wash. Groups 33-73; 34-41; 39-81; 40. Reg. No. 50,214.

Pat. 2,523,651. Propelling Means. Patented Sept. 26, 1950. A variable pitch propeller has standard socket units, comprising a rotatable blade-carrying member and a speed-reducing mechanism for a proper pitch adjustment speed reduction, each socket unit being detachably anchored to the propeller hub structure for removal therefrom as a unit. Each socket unit has a sleeve detachably seated in the hub and a blade-carrying member rotatably mounted within the sleeve. The propeller may be changed by loosening securing nuts on flange of sleeve and fitting the desired hub member over the sleeve which is secured to the propeller shaft. A bevel gear is mounted in each blade-carrying member to be driven by a bevel wheel around the propeller shaft. The speed-reducing mechanism is interposed between each bevel gear and each rotatable member. (Owner) Robert Doussala, Correspondence to Singer, Stern & Carlberg, 14 East Jackson Blvd., Chicago 4, Ill. Group 37-22. Reg. No. 50,215.

Stromberg-Carlson Company offers the 77 patents listed below for non-exclusive licensing on reasonable terms. Applications for license should be addressed to: Manager, Patent Department, Stromberg-Carlson Company, 100 Carlson Road, Rochester 3, N. Y.

The following 22 patents relate to radio and television receivers. Group 36-61.

Pat. 2,031,500. Sound Reproducing System. Patented Feb. 18, 1936. Reg. No. 50,216.

Pat. 2,041,777. Sound Reproducing System. Patented May 26, 1936. Reg. No. 50,217.

Pat. 2,055,790. Radio Signal Receiving System. Patented Sept. 29, 1936. Reg. No. 50,218.

Pat. 2,055,796. Signaling System. Patented Sept. 29, 1936. Reg. No. 50,219.

Pat. 2,122,653. Wave Signaling System. Patented July 5, 1938. Reg. No. 50,220.

Pat. 2,154,311. Wave Signaling System. Patented Apr. 11, 1939. Reg. No. 50,221.

Pat. 2,166,838. Sound Reproducing System. Patented July 18, 1939. Reg. No. 50,222.

Pat. 2,232,399. Combined Television and Radio Receiving System. Patented Feb. 18, 1941. Reg. No. 50,223.

Pat. 2,241,145. Signaling System. Patented May 6, 1941. Reg. No. 50,224.

Pat. 2,403,716. Combined Amplifier and Power Supply Circuit. Patented July 9, 1946. Reg. No. 50,225.

Pat. 2,466,229. Automatic Gain Control System. Patented Apr. 5, 1949. Reg. No. 50,226.

- Pat. 2,466,250. Filament Voltage Supply. Patented Apr. 5, 1949. Reg. No. 50,227.
- Pat. 2,473,194. Power Supply Switching System. Patented June 14, 1949. Reg. No. 50,228.
- Pat. 2,483,047. Loop Antenna Circuit. Patented Sept. 27, 1949. Reg. No. 50,229.
- Pat. 2,492,319. Tone Control Arrangement With Indicators. Patented Dec. 27, 1949. Reg. No. 50,230.
- Pat. 2,501,284. Electrical Component Retaining and Shielding Means. Patented Mar. 21, 1950. Reg. No. 50,231.
- Pat. 2,513,722. Periodic Wave Generator. Patented July 4, 1950. Reg. No. 50,232.
- Pat. 2,514,327. Tuning Indicator for Frequency Modulation Receivers. Patented July 4, 1950. Reg. No. 50,233.
- Pat. 2,541,917. Band Switching Arrangement. Patented Feb. 13, 1951. Reg. No. 50,234.
- Pat. 2,541,918. Unidirectional Power Supply. Patented Feb. 13, 1951. Reg. No. 50,235.
- Pat. 2,567,377. Automatic Focus Control Means for Cathode-Ray Tubes. Patented Sept. 11, 1951. Reg. No. 50,236.
- Pat. 2,579,069. Frequency Response Controlling Means. Patented Dec. 18, 1951. Reg. No. 50,237.
- The following two patents relate to record players.*
- Pat. 2,026,257. Phonograph. Patented Dec. 31, 1935. Reg. No. 50,238.
- Pat. 2,320,877. Phonograph. Patented June 1, 1943. Reg. No. 50,239.
- The following two patents relate to loud-speakers.*
- Pat. 2,107,920. Apparatus for Reproducing Sound. Patented Feb. 8, 1938. Reg. No. 50,240.
- Pat. 2,259,907. Sound Reproducing System. Patented Oct. 21, 1941. Reg. No. 50,241.
- The following four patents relate to direction finding.*
- Pat. 2,395,966. Plan Position Indicator System. Patented Mar. 5, 1946. Reg. No. 50,242.
- Pat. 2,405,930. Synchronizing Arrangement for Locator Systems. Patented Aug. 13, 1946. Reg. No. 50,243.
- Pat. 2,478,913. Dipole Antenna. Patented Aug. 16, 1949. Reg. No. 50,244.
- Pat. 2,497,165. Coincidence Circuit for Image Displaying Systems. Patented Feb. 14, 1950. Reg. No. 50,245.
- The following 47 patents relate to: Communication systems including high frequency pulse communication and modulation systems; construction details of electronic devices or useful with such devices, such as tube shields, bushings, and testing equipment; blind guidance devices; power supplies; airport lighting; public address systems; a device for measuring moisture absorption; and a voting system. Groups 36-13-19-61-62; 39-32.*
- Pat. 2,325,770. Electrical Shielding and Locking Means for Thermionic Tubes. Patented Aug. 3, 1943. Reg. No. 50,246.
- Pat. 2,362,692. Communication System. Patented Nov. 14, 1944. Reg. No. 50,247.
- Pat. 2,403,245. Modulation System. Patented July 2, 1946. Reg. No. 50,248.
- Pat. 2,411,648. Method and Apparatus for Generating Impulses. Patented Nov. 26, 1946. Reg. No. 50,249.
- Pat. 2,411,656. Coaxial Bushing. Patented Nov. 26, 1946. Reg. No. 50,250.
- Pat. 2,415,718. Teletype Communication System. Patented Feb. 11, 1947. Reg. No. 50,251.
- Pat. 2,418,875. Nonlinear Charging System for Networks. Patented Apr. 15, 1947. Reg. No. 50,252.
- Pat. 2,430,224. Method and Apparatus for Moisture-Proofing Electrical Devices. Patented Nov. 4, 1947. Reg. No. 50,253.
- Pat. 2,434,069. Electrostatically Regulated Power Supply. Patented Jan. 6, 1948. Reg. No. 50,254.
- Pat. 2,437,839. Modulation Booster. Patented Mar. 16, 1948. Reg. No. 50,255.
- Pat. 2,438,453. Airport Lighting Control and Indicating System. Patented Mar. 23, 1948. Reg. No. 50,256.
- Pat. 2,462,532. Sound System Which Compensates for Variable Noise Levels. Patented Feb. 22, 1949. Reg. No. 50,257.
- Pat. 2,466,216. Sound Control System. Patented Apr. 5, 1949. Reg. No. 50,258.
- Pat. 2,466,230. Pulse Time Modulation System. Patented Apr. 5, 1949. Reg. No. 50,259.
- Pat. 2,471,774. Electrical Voting System or the Like. Patented May 31, 1949. Reg. No. 50,260.
- Pat. 2,473,208. Apparatus for Linearizing Saw-Tooth Waves. Patented June 14, 1949. Reg. No. 50,261.
- Pat. 2,474,918. Ranging System. Patented July 5, 1949. Reg. No. 50,262.
- Pat. 2,482,181. Tuning Mechanism. Patented Sept. 20, 1949. Reg. No. 50,263.
- Pat. 2,484,352. Pulse Length Discriminator. Patented Oct. 11, 1949. Reg. No. 50,264.
- Pat. 2,491,493. Dipole Antenna. Patented Dec. 20, 1949. Reg. No. 50,265.
- Pat. 2,492,850. Discharge Initiating Circuit. Patented Dec. 27, 1949. Reg. No. 50,266.
- Pat. 2,497,166. Parallel Circuit Arrangement for Power Tubes. Patented Feb. 14, 1950. Reg. No. 50,267.
- Pat. 2,497,182. Power Supply. Patented Feb. 14, 1950. Reg. No. 50,268.
- Pat. 2,497,411. Pulse Transmission System. Patented Feb. 14, 1950. Reg. No. 50,269.
- Pat. 2,506,723. Electrical Generation of Musical Tones. Patented May 9, 1950. Reg. No. 50,270.
- Pat. 2,512,984. Secondary Emission Tube Ring Circuit. Patented June 27, 1950. Reg. No. 50,271.
- Pat. 2,514,344. Adjustable Acoustic Impedance. Patented July 4, 1950. Reg. No. 50,272.
- Pat. 2,523,254. Directional Coupler. Patented Sept. 19, 1950. Reg. No. 50,273.
- Pat. 2,536,803. Motion Transmitting Means. Patented Jan. 2, 1951. Reg. No. 50,274.
- Pat. 2,536,804. Delayed Pulse Circuit Arrangement. Patented Jan. 2, 1951. Reg. No. 50,275.
- Pat. 2,536,816. Pulse Generator. Patented Jan. 2, 1951. Reg. No. 50,276.
- Pat. 2,536,822. Saw-Tooth Multivibrator Circuit. Patented Jan. 2, 1951. Reg. No. 50,277.
- Pat. 2,541,944. Diaphragm Mounting. Patented Feb. 13, 1951. Reg. No. 50,278.
- Pat. 2,548,737. Multiplex Phase Generator. Patented Apr. 16, 1951. Reg. No. 50,279.
- Re. 23,288. Communication System. Reissued Oct. 24, 1950. (Original Pat. 2,467,486, dated Apr. 19, 1949.) Reg. No. 50,280.
- Pat. 2,560,751. Phase Inversion Circuits for Cathode-Ray Tubes. Patented July 17, 1951. Reg. No. 50,281.
- Pat. 2,567,407. Electro-Acoustic Transducer. Patented Sept. 11, 1951. Reg. No. 50,282.
- Pat. 2,567,410. Multiphase Generator. Patented Sept. 11, 1951. Reg. No. 50,283.
- Pat. 2,571,431. Phase Inverter Circuit. Patented Oct. 16, 1951. Reg. No. 50,284.
- Pat. 2,574,596. Ultrasonic Distance-Measuring System. Patented Nov. 13, 1951. Reg. No. 50,285.
- Pat. 2,575,169. Method of Determining the Rate of Moisture Absorption. Patented Nov. 13, 1951. Reg. No. 50,286.
- Pat. 2,575,190. Wide-Range Tuning Device for Use at Ultrahigh Frequencies. Patented Nov. 13, 1951. Reg. No. 50,287.
- Pat. 2,580,560. Echo Pulse System Utilizing the First Received Echo for Control Purposes. Patented Jan. 1, 1952. Reg. No. 50,288.
- Pat. 2,584,004. Method and Apparatus for Automatically Aligning Electrical Circuits. Patented Jan. 29, 1952. Reg. No. 50,289.
- Pat. 2,584,850. Frequency and Voltage Stabilized Oscillator. Patented Feb. 5, 1952. Reg. No. 50,290.
- Pat. 2,587,097. Apparatus for Testing Amplifiers. Patented Mar. 4, 1952. Reg. No. 50,291.
- Pat. 2,590,282. Variable Impedance Device. Patented Mar. 25, 1952. Reg. No. 50,292.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 20, 1953

[Vol. 666. No. 3]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.6. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 614,863. Bloomer Bros. Company, Newark, N. Y. Filed June 7, 1951.



For Cardboard Food Cartons.
Claims use since May 8, 1951.

Ser. No. 617,288. The Gardner Board and Carton Co., Middletown, Ohio. Filed Aug. 3, 1951.



The mark consists of a dark background on which are superimposed three representations of the letter "G." These representations are so arranged as to suggest a carton. Beneath the background occurs the word "Gardner." The word "Gardner" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 396,907.

For Paperboard Cartons.
Claims use since June 26, 1951.

Ser. No. 620,197. Consumer Packs Limited, Kingston-upon-Hull, England. Filed Oct. 19, 1951.

SUMACON

Applicant claims ownership of British Registrations Nos. 685,954, 685,957, 685,958, and 685,959, all dated Jan. 30, 1950.

For Boxes and Cans, Made of Light Gauge Metal, for Packing and Storing Fish, Fruit, Preserves, Vegetables, and Perishable and Imperishable Foodstuffs.

666 O. G.—42

Ser. No. 623,978. National Can Corporation, New York, N. Y. Filed Jan. 23, 1952.



Applicant disclaims "Colorware" apart from the mark shown.

For Ornamented Metallic Storage and Refuse Receiving Containers for Household Use—To Wilt, Bread and Cake Boxes and Cabinets, Waste Baskets, Boudoir Baskets, Match Safes, and Cansisters.

Claims use since Dec. 27, 1951.

Ser. No. 624,948. Highland Container Company, Inc., Jamestown, N. C. Filed Feb. 14, 1952.

CORRUBALE

For Corrugated Cardboard Cartons.
Claims use since Jan. 17, 1952.

Ser. No. 631,726. Equitable Paper Bag Co., Inc., Long Island City, N. Y. Filed June 25, 1952.



For Paper Bags.
Claims use since Sept. 20, 1949.

CLASS 5

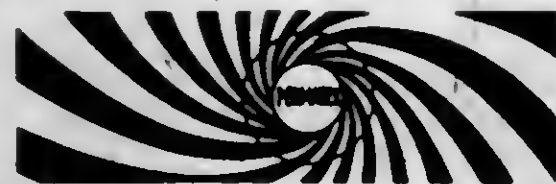
ADHESIVES

Ser. No. 620,623. The Heardon Company, St. Louis, Mo. Filed Oct. 29, 1951.

SUPERCEL

For Wall Paper Paste.
Claims use since June 5, 1951.

Ser. No. 622,225. Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y. Filed Dec. 7, 1951.



Applicant claims ownership of Registrations Nos. 93,418, 325,086, and others.
For Gasket Cement.
Claims use since January 1913.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 605,512. Diamond Alkali Company, Cleveland, Ohio. Filed Oct. 26, 1950. (Sec. 2f.)

FREE-FLO

For Bicarbonate of Soda Incorporating a Small Amount of Tricalcium Phosphate, Sold in Bulk in Large Containers or Bags Only to Flour Manufacturers.
Claims use since November 1941.

Ser. No. 609,783. Cassella Farbwerke Mainkur, Frankfurt-on-the-Main-Fechenheim, Germany. Filed Feb. 8, 1951.

Perlamin

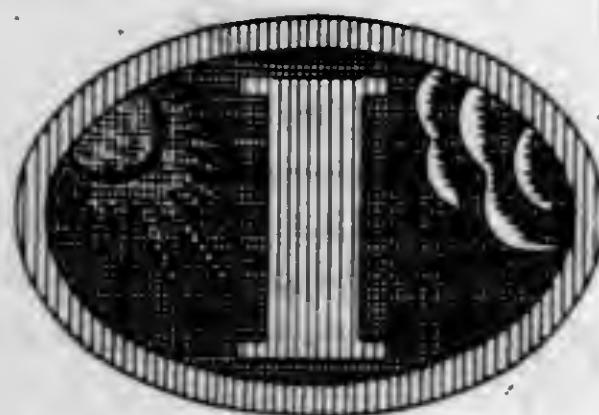
Priority under Sec. 44(d). German application filed Aug. 16, 1950, Registration No. 611,364, dated Sept. 15, 1951.
For Dyestuffs.

Ser. No. 610,392. Virginia Smelting Company, West Norfolk, Va. Filed Feb. 21, 1951.

VANOL

For Sodium Hydrosulphite Powder Concentrated.
Claims use since Jan. 10, 1951.

Ser. No. 617,390. General Dyestuff Corporation, New York, N. Y. Filed Aug. 7, 1951.



The drawing is lined for the colors red, yellow, and black.
For Coloring Materials—Namely, Dyes for Textile Material.
Claims use since July 10, 1951.

Ser. No. 618,031. Food Machinery and Chemical Corporation, San Jose, Calif. Filed Aug. 24, 1951.

LEAFFALL

For Defoliants.
Claims use since July 12, 1951.

Ser. No. 619,778. Aircraft-Marine Products Inc., Harrisburg, Pa. Filed Oct. 10, 1951.

POLYZOL

For Thermo-Plastic Synthetic Resins.
Claims use since Aug. 27, 1951.

Ser. No. 623,807. The North American Mogul Products Company, Cleveland, Ohio. Filed Jan. 19, 1952.



Applicant claims ownership of Registrations Nos. 225,383 and 303,078.

For Compounds for the Inhibiting and Preventing of Rust, Scale, Carbon Deposit, Soot Formation, Corrosion, Pitting, Foaming, Priming, Sludge Formation, Algae Formation, Discoloration, and Congestion in Boilers, Furnaces, Hot and Cold Water Supply Systems, Heating Systems, Heat Exchangers, Steam Lines, Return Lines, Pasteurizers, Sterilizers, Bottle Washers, Humidifiers, Compressors, Ice Machines, After-Coolers, Inter-Coolers, Air-Conditioners, Cooling Systems, Cooling Towers, Refrigeration Systems, Brine Tanks, Pipes and Coils, Diesel Engines, Condensers, Fuel Oil Tanks, Pre-Heater Coils, Burner Heads and All Other Equipment in Which Water, and/or Steam and Fuel Are Utilized.

Claims use since on or about Jan. 1, 1937.

Ser. No. 624,017. Beraworth Chemical Company, Framingham, Mass. Filed Jan. 24, 1952.

VERSENE-DIOL

Applicant claims ownership of Registration No. 410,354.
For Complexing, Chelating, or Sequestering Agents for Hard Water Salts and Other Polyvalent Metals.
Claims use since Aug. 1, 1951.

Ser. No. 624,266. Foundry Services Limited, Birmingham, England. Filed Jan. 30, 1952.

FEEDEX

For Exothermic Compounds Containing Primarily Aluminum and Oxidizing Agents in the Form of Iron Oxides, Alkali Nitrates and Fluorides, Used in Connection With the Manufacture of Castings of Ferrous and Non-Ferrous Metals and Alloys.

Claims use since May 1949; and use in commerce between England and the United States since May 1949.

Ser. No. 624,667. Ruby M. Tharp, doing business as Chemical Research Products, Philadelphia, Pa. Filed Feb. 7, 1952.



Chemical Research Products

The words "Chemical Research Products" appearing on the drawing are disclaimed apart from the mark as shown.

For Acetphenetidine; Benzole, Salicylic, Citric, Acetyl-salicylic Acids.

Claims use since Dec. 13, 1951.

Ser. No. 624,795. Philipp Brothers Chemicals, Inc., New York, N. Y. Filed Feb. 11, 1952.



The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 266,100 and 266,973.

For Acetone, Acetic Acid, Benzoic Acid, Boric Acid, Carbolic Acid, Chromic Acid, Citric Acid, Cresylic Acid, Formic Acid, Hydrofluoric Acid, Lactic Acid, Hydrochloric Acid, Nitric Acid, Oxalic Acid, Phosphoric Acid, Stearic Acid, Sulphuric Acid, Tannic Acid, Tartaric Acid, Amyl Alcohol, Butyl Alcohol, Denatured Alcohol, Isopropyl Alcohol, Methanol Alcohol, Ammonium Alum, Potash Alum, Potash Chrome Alum, Aluminum Acetate, Aluminum formate, Aluminum Stearate, Aluminum Sulphate, Anhydrous Ammonia, Liquid Ammonia, Ammonium Carbonate, Ammonium Chloride, Ammonium Phosphate, Ammonium Silicofluoride, Ammonium Sulphate, Ammonium Sulphocyanide, Amyl Acetate, Aniline Oil, Aniline Salt, Antimony Oxide, Antimony Salts, Antimony Sulphide, Metal Arsenic, White Arsenic, Barium Carbonate, Barium Chloride, Barium Stearate, Barium Sulphate, Benzaldehyde, Calcium Hypochlorite, Blood Albumen, Borax, Butyl Acetate, Cadmium Oxide, Cadmium Sulphide, Calcium Carbonate, Calcium Chloride, Calcium Stearate, Carbon Tetrachloride, Casein, Castor Oil, Caustic Potash, Caustic Soda, Chloride of Lime, Chlorine, Chromium Acetate, Cod Liver Oil, Iron Sulphate, Copper Carbonate, Copper Cyanide, Copper Sulphate, Nitrocellulose Solution, Potassium Cyanide, Sodium Cyanide, Zinc Cyanide, Dibutyl Phthalate, Diphenylguanidine, Diorthotolylguanidine, Epsom Salts, Ethyl Acetate, Ferric Chloride, Ferric Oxide, Ferric Sulphate, Ferrous Sulphate, Formaldehyde, Sodium Sulphate, Glycerine, Hydrogen Peroxide, Sodium Hydrosulphite, Sodium Formaldehyde Sulphoxylate, Iron Perchloride, Lanolin, Lead Acetate, Lead Oxide, Lithopone, Magnesium Carbonate, Magnesium Oxide, Magnesium Stearate, Magnesium Sulphate, Methyl Ethyl Ketone, Soda, Monochlorobenzene, Naphthalene, Nickel Ammonium Sulphate, Nickel Sulphate, Nitrocellulose Solutions, Orthodichlorobenzene, Paradichlorobenzene, Perchloroethylene, Petroleum, Disodium Phosphate, Tetra Sodium Pyrophosphate, Tri-

Sodium Phosphate, Phosphorus, Pine Oil, Dibutyl Phthalate, Dicapryl Phthalate, Dioctyl Phthalate, Tricresyl Phosphate, Potassium Bichromate, Potassium Carbonate, Potassium Chlorate, Potassium Ferrocyanide, Potassium Hydroxide, Potassium Nitrate, Potassium Permanganate, Silver Nitrate, Soda Ash, Sodium Acetate, Sodium Benzoate, Sodium Bicarbonate, Sodium Bichromate, Sodium Bisulphate, Sodium Bisulphite, Sodium Chlorate, Sodium Chloride, Sodium Chromate, Sodium Ferrocyanide, Sodium Fluoride, Sodium Hyposulphite, Sodium Hydrosulphite, Sodium Lactate, Sodium Metasilicate, Sodium Nitrite, Sodium Perforate, Sodium Phosphate, Sodium Silicate, Sodium Silico-Fluoride, Sodium Sulphhydrate, Sodium Sulphide, Sodium Sulphite, Sodium Sulphocyanide, Zinc Stearate, Strontium Compounds, Sulphur, Sulphur Chloride, Talc, Titanium Dioxide, Toluol, Trichlorethylene, Triethanolamine, Turpentine, Urea, Candelilla Wax, Car-nauba Wax, Japan Wax, Ouricury Wax, Spermacetti Wax, Wetting Agents, Xylol, Zinc Ammonium Chloride, Zinc Chloride, Zinc Dust, Zinc Oxide, Zinc Sulphate, Zinc Sulphide, Insecticides, Synthetic Resins, and Rubber Accelerators.

Claims use since Apr. 1, 1929.

Ser. No. 625,145. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952.

FORMITE

For Spray Fluid Deodorant for Industrial Use.
Claims use since Jan. 1, 1932.

Ser. No. 625,164. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952.

MISTOSECT

For Liquid Insecticide.
Claims use since Mar. 1, 1935.

Ser. No. 625,525. El Dorado Oil Works, San Francisco, Calif. Filed Feb. 26, 1952.

ELDO

For Fatty Acids Derived From Coconut Oil.
Claims use since Feb. 8, 1952.

Ser. No. 626,386. Klezade Products, Incorporated, Beloit, Wis. Filed Mar. 13, 1952.

XY-12

For Liquid Disinfectant and Germicide for Industrial and Food Plant Sanitation.
Claims use since Dec. 1, 1941.

Ser. No. 628,708. Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Filed Apr. 23, 1952.

HY-LINE

For Insecticides and Disinfectants.
Claims use since Dec. 19, 1949.

Ser. No. 632,000. Reichhold Chemicals, Inc., Detroit, Mich. Filed July 22, 1952.

AGRIPOL

Applicant claims ownership of Registration No. 401,560. For Synthetic Resins and Synthetic Resin Solutions. Claims use since Nov. 20, 1942.

Ser. No. 632,020. Ciba Limited, Basel, Switzerland. Filed July 23, 1952.

CIBALAN

Applicant claims ownership of Swiss Registration No. 92,218, dated Jan. 6, 1938. For Coal Tar Colors.

Ser. No. 632,076. William Harold Batt, doing business as Dan Morgan, Fisherman, Baltimore, Md. Filed July 24, 1952.



For Preparation for Application to Material or Artificial Bait To Render the Same More Alluring and Attractive to Fish.

Claims use since July 1, 1952.

Ser. No. 633,103. Eston Chemicals, Inc., Los Angeles, Calif., assignor to American Potash & Chemical Corporation, a corporation of Delaware. Filed July 26, 1952.

MALAPHOS

For Insecticides. Claims use since May 26, 1952.

Ser. No. 633,104. Eston Chemicals, Inc., Los Angeles, Calif., assignor to American Potash & Chemical Corporation, a corporation of Delaware. Filed July 26, 1952.

TUMBLEAF

For Defoliants. Claims use since July 7, 1952.

Ser. No. 633,338. Sun Oil Company, Philadelphia, Pa. Filed July 31, 1952.

SUNFONATE

For Petroleum Sulfonates. Claims use since June 27, 1952.

Ser. No. 635,010. Arkansas Company Inc., Newark, N. J. Filed Sept. 9, 1952.

COIBELIX

For Textile Treating Compositions Containing Metallic Organic Compounds Useful as Catalysts in Producing Durable Water-Repellent Finishes on Textile Fabrics, Par-

ticularly in Connection With High Temperature Curing Operations Where High Molecular Weight Alkylpolysiloxanes Are Present.

Claims use since on about Nov. 17, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

**GOLD
SEAL
WICK**

The word "Wick" is disclaimed apart from the mark as shown.

For Lighter Wicks.

Claims use since on or about June 1, 1951.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 625,290. Olin Industries, Inc., East Alton, Ill. Filed Feb. 20, 1952.

SUPER-X

Applicant claims ownership of Registrations Nos. 403,121, 500,153, and others.

For Shot Shells, Rifle and Pistol Cartridges.

Claims use since on or about Nov. 1, 1925.

Ser. No. 631,852. Delta Match Aktiebolag, Jonkoping, Sweden. Filed June 27, 1952.

Delta

For Matches. Claims use since Apr. 4, 1952.

CLASS 10

FERTILIZERS

Ser. No. 615,977. Farmers Educational and Cooperative Union of America, Denver, Colo. Filed July 2, 1951.

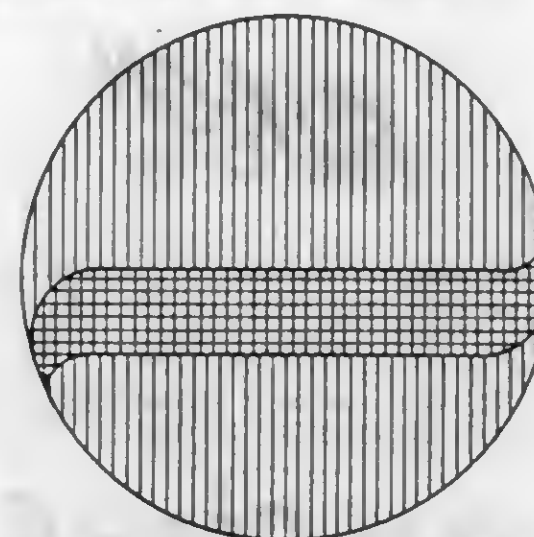
**Family
Farmer**

Applicant claims ownership of Registration No. 542,055.

For Fertilizer.

Claims use since June 9, 1951.

Ser. No. 628,142. The Davison Chemical Corporation, Baltimore, Md. Filed Apr. 10, 1952.



The drawing is lined for the colors red and black. Applicant claims ownership of Registrations Nos. 278,757, 515,869, and others.

For Fertilizers.

Claims use since September 1945.

Ser. No. 628,143. The Davison Chemical Corporation, Baltimore, Md. Filed Apr. 16, 1952.



Applicant claims ownership of Registrations Nos. 278,757, 515,869, and others.

For Fertilizers.

Claims use since September 1945.

Ser. No. 628,144. The Davison Chemical Corporation, Baltimore, Md. Filed Apr. 16, 1952.

DAVCO

Applicant claims ownership of Registrations Nos. 278,757, 515,869, and others.

For Fertilizers.

Claims use since 1936.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 601,386. Trimedge, Inc., Youngstown, Ohio. Filed July 28, 1950.

TRIM-A-LUSTER

No claim is made to the word "Trim" apart from the mark as shown. Applicant claims ownership of Registration No. 431,378.

For Decorative Metallic Trim Mouldings.

Claims use since July 13, 1950.

Ser. No. 617,355. Société Française des Pieux Frank-Ignoul, Société Anonyme, Paris, France. Filed Aug. 4, 1951.

FORUM

Applicant claims ownership of French Registration No. 286,513, dated Apr. 15, 1933.

For Foundation Piles in General, and More Particularly Concrete Foundation Piles Formed in the Ground, Especially After Drilling, and by Compressed Air.

Ser. No. 617,356. Société Française des Pieux Frank-Ignoul, Société Anonyme, Paris, France. Filed Aug. 4, 1951.

MEGA

Applicant claims ownership of French Registration No. 286,514, dated Apr. 15, 1933.

For Foundation Piles in General, and More Particularly Piles Driven by a Hydraulic Jack and Constituted of Superposed Elements Moulded in Advance.

Ser. No. 624,350. The Richkraft Company, Chicago, Ill. Filed Jan. 31, 1952.

Richbead

For Metal Finishing and Corner Strip. Claims use since Dec. 21, 1951.

Ser. No. 625,332. Wm. Cameron & Co., doing business under the name Ideal Company, Waco, Tex. Filed Feb. 21, 1952.

**The IDEAL
FRAME 'N' ALL
Door Unit**

No claim is made to the exclusive right to use the words "The Frame 'N' All Door Unit," apart from the mark as shown. Applicant claims ownership of Registrations Nos. 155,211, 156,108, 100,405, and others.

For Assembled Door Units Having Component Parts—Namely, Frame, Door Already Hinged to Frame, Trim, and Door Latch and Keeper.

Claims use since Sept. 25, 1951.

Ser. No. 626,623. The Flintkote Company, New York, N. Y. Filed Mar. 18, 1952. (Sec. 2f.)

STAPLE - LOX

For Roofing Shingles. Claims use since Sept. 15, 1935.

Ser. No. 628,242. The William Bayley Company, Springfield, Ohio. Filed Apr. 17, 1952.

VueLINE

For School and Institution Windows. Claims use since Mar. 1, 1952.

Ser. No. 628,341. Jacob's Creek Flagstone Company, Inc., Mount Olead, N. C. Filed Apr. 16, 1952.

"Nor-Carla Bluestone"

No claim is made to the term "Bluestone" apart from the mark as shown on the drawing.
For Finished Flagstone and Building Stone.
Claims use since Feb. 1, 1952.

Ser. No. 629,342. Balsa Ecuador Lumber Corp., New York, N. Y. Filed May 8, 1952.



The representation of the load of lumber is disclaimed apart from the mark as shown.
For Lumber.
Claims use since March 26, 1951.

Ser. No. 629,501. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed May 10, 1952. (Sec. 2f.)

INS-LITE

Applicant claims ownership of Registrations Nos. 123,353, 132,000, 209,192, and others.
For Fiber Composition Board for Interior and Exterior Use and for Surface Coated Fiber Board.
Claims use since January 1936.

Ser. No. 629,826. Harold L. Spaight, Cedar Rapids, Iowa. Filed May 10, 1952.

DUR-O-WAL

No claim is made to the word "Wal" apart from the mark as shown. Applicant claims ownership of Registration No. 387,166.

For Wall Reinforcing Member Comprising a Bent or Fabricated Unit Constructed With Iron Rods or Wire for Embedding in a Mortar Joint Between Brick, Block, or Other Units of a Build-Up Masonry Wall.
Claims use since Sept. 16, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 611,796. Joe Lowe Corporation, New York, N. Y. Filed Mar. 26, 1951.

SIDEWALK SUNDAE

Applicant disclaims the word "Sundae" separate and apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 361,516.

For Handle Sticks for Confectionery Products Sold Separately From Said Products.
Claims use since Mar. 5, 1951.

Ser. No. 621,369. Level-Line Ceilings Inc., New York, N. Y. Filed Nov. 17, 1951.

FLIX-ON

For Metal Clips for Suspended Ceilings of Buildings.
Claims use since on or about July 20, 1951.

Ser. No. 622,289. Associated Manufacturing Company, Pasadena, Calif. Filed Dec. 10, 1951.



The drawing is lined for the color orange.
For Prefabricated Plastic Covered Drainboards.
Claims use since May 1, 1951.

Ser. No. 623,102. Miller and Rhoads, Incorporated, Richmond, Va. Filed Dec. 10, 1951. (Sec. 2f.)

THE SHOPPING CENTER

Applicant claims ownership of Registration No. 544,796.
For Cooking Utensils—Namely, Aluminum Saucepans, Aluminum Coffee Pots (Non-Electric), Aluminum Skillets, Aluminum Kettles, Glass Coffee Makers (Non-Electric), Enamelware Saucepans, Stainless Steel Coffee Makers (Non-Electric), Stainless Steel Saucepans, Pots and Pans; Rubber Covered Wire Dish Drainers; Metal Lawn Sprinklers and Garden Hose Nozzles; Bathroom Accessories—Namely, Ceramic Soap Dishes, Ceramic and Metal Towel Racks, Ceramic and Metal Toothbrush Holders and Tumbler Holders.
Claims use since April 1917.

Ser. No. 623,666. Mullins Manufacturing Corporation, Salem and Warren, Ohio. Filed Jan. 16, 1952.



Applicant claims ownership of Registrations Nos. 431,399, 436,317, and others.

For Stamped, Pressed, or Drawn Steel Sinks and Combined Dishwasher Sinks; and Stamped, Pressed, or Drawn Steel Sinks and Combined Dishwasher Sinks Having a Porcelain Enamel Coating Thereon.
Claims use since Nov. 26, 1945.

Ser. No. 625,942. Stephen A. Young Corporation, Flora, Ind. Filed Mar. 4, 1952.



The word "Spin" is disclaimed apart from the mark as shown.

For Plumbing Fixtures—Viz., Sink Strainer Valves and Parts Therefor Comprising Washers, Baskets, Handles, Stem, and Nuts.

Claims use since Dec. 19, 1951.

Ser. No. 631,040. Basca Manufacturing Company, Inc., Indianapolis, Ind. Filed June 11, 1952.



For Sheet Metal Tumblers and Bowls.
Claims use since Apr. 1, 1951.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 617,210. Parker Rust Proof Company, Detroit, Mich. Filed Aug. 1, 1951. CERTIFICATION MARK.



The drawing is lined for blue and silver. Applicant claims ownership of Registrations Nos. 230,654, 292,282, and others.

For Metals and Metal Castings and Forgings.
Claims use since June 29, 1951.

CLASS 15

OILS AND GREASES

Ser. No. 605,280. Carl R. Schenk, doing business under the name and style of Unitech Products, Union, N. J. Filed Oct. 18, 1950.



For Lubricant Added to the Lubricating Oil and Gasoline.
Claims use since July 11, 1950.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 576,694. Great Lakes Steel Corporation, Ecorse, Detroit, Mich. Filed Apr. 6, 1949.

STRAN - STEEL

The suffix "Steel" is disclaimed apart from the mark as shown.

For Ready-Mixed Paint for Exterior Surfaces.
Claims use since Feb. 25, 1949.

Ser. No. 615,008. Cedar-Lux Products Company, Inc., Kansas City, Mo. Filed June 11, 1951.



No claim is made to the word "Cedar" apart from the mark as shown.

For Dry Paint Powder.
Claims use since June 2, 1950.

Ser. No. 631,815. Pratt & Lambert, Inc., Buffalo, N. Y. Filed June 26, 1952.



For Wall Paint.
Claims use since Feb. 6, 1952.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 590,662. George W. Helme Company, New York, N. Y. Filed Jan. 11, 1950.



For Snuff.
Claims use since 1870.

Ser. No. 603,760. Brown & Williamson Tobacco Corporation, Louisville, Ky. Filed Sept. 20, 1950.



Applicant claims ownership of Registrations Nos. 317,709, 319,567, and 520,428.
For Cigarettes.
Claims use since Mar. 6, 1950.

Ser. No. 603,762. Brown & Williamson Tobacco Corporation, Louisville, Ky. Filed Sept. 20, 1950.



Applicant claims ownership of Registrations Nos. 317,709, 319,567, and 520,428. For Cigarettes. Claims use since Mar. 6, 1950.

Ser. No. 621,391. John Cotton Limited, Edinburgh, Scotland. Filed Nov. 19, 1951.



The stippling shown on the drawing is for shading purposes only. The words "John Cotton's" are derived from the name of John Cotton who founded the predecessor company of the applicant in 1770. Applicant claims ownership of United States Registration No. 249,294. For Cigarettes. Claims use since 1908; and since February, 1950 in commerce between foreign nations and the United States.

Ser. No. 631,110. Moses Liverant, doing business as Yorkana Cigar Company, York, Pa. Filed June 12, 1952.

DUTCH PRIDE

The word "Dutch" is disclaimed apart from the word combination "Dutch Pride." For Cigars. Claims use since June 2, 1952.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 566,351. The Maltbie Chemical Company, Newark, N. J., now by change of name Maltbie Laboratories, Inc., a corporation of New Jersey. Filed Oct. 2, 1948.

CHOLAN-DH

For Preparation for the Medical Management of Biliary Disease. Claims use since on or about Nov. 19, 1940.

Ser. No. 585,189. Michael Reese Research Foundation, Chicago, Ill. Filed Sept. 22, 1949.

Michael Reese

The name forming the mark is that of a deceased individual. For Biologicals, Comprising: Normal Human Plasma, Human Convalescent and Hyperimmune Serums, Human Polio-myelitis Immune Serum, Normal Adult Serum and Plasma, Dried, Liquid, and Frozen, Anti-A and Anti-B Blood Grouping Serums, and Rh Typing Serums. Claims use since November 1940.

Ser. No. 590,451. Abraham Newhouse, doing business under the name and style of Lax-C-Feen, Brooklyn, N. Y. Filed Jan. 6, 1950.



Applicant disclaims the term "Lax" and the letter "C" apart from the mark as shown. For Laxative. Claims use since Apr. 13, 1949.

Ser. No. 591,201. Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Filed Jan. 20, 1950.

PARSIDOL

Priority under Sec. 44(d). French application filed Sept. 22, 1949, Registration No. 390,713, dated Sept. 22, 1949. For Anti-Spasmotic Active in Parkinson's Disease.

Ser. No. 608,826. McNeil Laboratories, Incorporated, Philadelphia, Pa. Filed Jan. 16, 1951.

THYROBEX

For Medicinal Capsules and Tablets Containing Thyroid Extract and Vitamins, Useful in the Treatment of Thyroid Disorders or Deficiencies, and in Conditions of Low Metabolic Level. Claims use since Apr. 26, 1944.

Ser. No. 609,344. The Pioneer Rubber Company, doing business as Pioneer of Willard, Willard, Ohio. Filed Jan. 27, 1951.

TYREX

The prescription symbol "B" is disclaimed apart from the mark as shown. For Emulsion for Application to the Hands and Other Parts of the Body as a Protective Covering Against the Effects of Extreme Heat or Extreme Cold, or the Irritating Effects of Acid, Solvents, or Oils, and as a Remedy for First Degree Burns, Skin Abrasions, Sunburn, and Minor Skin Irritations. Claims use since Nov. 26, 1949.

Ser. No. 609,471. Mary E. Bennett, doing business as T. Bennett Chemical Co., Newark, N. J. Filed Feb. 1, 1951.

LIQUID LIFE

The word "Liquid" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 146,070. For Medicament for Internal Use for Hemorrhoids, or Inflammation, and for External Use for Swellings, Cuts, Pains, Inflammation and Earache. Claims use since 1894.

Ser. No. 614,851. Sindar Corporation, New York, N. Y. Filed June 6, 1951.

HEXA-CET

For Liquid Preparation for Degerming Cutaneous Surfaces. Claims use since May 10, 1951.

Ser. No. 615,430. Farbwerke Hoechst, vormals Meister Lucius & Brünig, Frankfurt-on-the-Main-Hochst, Germany. Filed Apr. 27, 1951.

Avil

Applicant claims ownership of German Registration No. 602,723, dated Oct. 1, 1948. For Medicines—Namely, Antihistaminic and Antiallergic Preparations.

Ser. No. 616,366. Commercial Solvents Corporation, New York, N. Y. Filed July 12, 1951.

B-Y-100

No claim is made to the exclusive use of the letter "B" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 361,853, 428,075, and 533,669. For Vitamin Concentrates Used as Ingredients of Poultry and Livestock Feeds. Claims use since Apr. 4, 1951.

Ser. No. 617,491. Coy Products, Rock Island, Ill. Filed Aug. 9, 1951.

COYTABS

For Medicinal Tablets for Use in Feminine Hygiene. Claims use since July 15, 1951.

Ser. No. 617,603. Danner Mills, Inc., St. Joseph, Mo. Filed Aug. 13, 1951.

HOGGO

For Vitamin and Anti-Biotic Enriched Hog Feed Supplement. Claims use since Dec. 1, 1950.

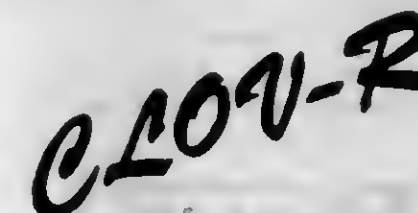
Ser. No. 618,086. Frieda A. Hagele, doing business as Vel-Fet Co., Philadelphia, Pa. Filed Aug. 25, 1951.



No claim is made for the word "Fet" apart from the mark as shown. The drawing is lined for the colors red and black. Applicant claims ownership of Registration No. 341,290.

For Preparation for the Treatment of Tinea or Athlete's Foot, Foot Odors, and Tired, Tender, and Perspiring Feet. Claims use since on or about Apr. 2, 1929.

Ser. No. 618,470. Stoppers, Inc., New York, N. Y. Filed Sept. 6, 1951.



For Chlorophyll Tablets. Claims use since July 25, 1951.

Ser. No. 619,313. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia. Filed Sept. 27, 1951.

UNIMATIC

For Single-Use Injection Unit Containing a Hypodermic Antibiotic Preparation. Claims use since Sept. 12, 1951.

Ser. No. 619,346. Howbut Company, Richmond, Va. Filed Oct. 3, 1951.

HOWBUT

For Medicinal Preparation for the Treatment of Rheumatism. Claims use since Sept. 19, 1951.

Ser. No. 619,794. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

SULOPTIC

For Antiseptic and Bacteriostatic Preparation for Reducing Infections in the Eye and in Superficial Wounds. Claims use since Dec. 14, 1949.

Ser. No. 620,178. Vylactos Laboratories, Inc., Des Moines, Iowa. Filed Oct. 18, 1951.

MYT MIX

The word "Mix" is disclaimed apart from the mark as shown.

For Antibiotic and Vitamin Supplement for Livestock and Poultry Feeds.

Claims use since Apr. 13, 1950.

Ser. No. 620,405. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Oct. 24, 1951. (Sec. 2f.)

EASTMAN

Applicant claims ownership of Registrations Nos. 67,012, 290,078, 513,160, and 556,354.

For Vitamin Compounds and Vitamin Preparations. Claims use since Aug. 15, 1950, for vitamin compounds and vitamin preparations; and was first used in 1884.

Ser. No. 621,316. M. P. Hoodenpyl, doing business as Remedol Laboratories, Nashville, Tenn. Filed Nov. 16, 1951.

REMEDOL

For Medicinal Preparation in Tablet Form for the Relief of Temporary Gastric Acidity.

Claims use since July 10, 1910.

Ser. No. 621,611. Apoteksvärucentralen, Vitrum Apotek-areaktiebolaget, Stockholm, Sweden. Filed Nov. 24, 1951.

CELOCURIN

Priority under Sec. 44(d). Swedish application No. 1798/51, filed July 11, 1951, Registration No. 70,775, dated Oct. 5, 1951.

For Pharmaceutical and Veterinary Preparation, Intended To Obtain a Muscular Paralyzing Action in Anesthesia and Consisting of Salts of the Di-Cholin-Esters of Dibasic Aliphatic Acids.

Ser. No. 622,967. Wyeth Incorporated, Philadelphia, Pa. Filed Dec. 28, 1951.

STREPELS

For Penicillin-Dihydrostreptomycin Implantation, Pellets.

Claims use since Nov. 20, 1951.

Ser. No. 624,485. Sylvia R. Oreehouse, doing business as Skin Rite Company, St. Louis, Mo. Filed Feb. 4, 1952.

SKIN RITE

The word "Skin" is disclaimed apart from the mark as shown and used.

For Medicinal Lotion for the Relief of Itching Due to Poison Ivy, Prickly Heat, Diaper Rash, Eczema, Insect Bites, and Similar Skin Rashes and Irritations.

Claims use since Jan. 25, 1952.

Ser. No. 625,366. Norkon Pharmacal, Inc., New York, N. Y. Filed Feb. 21, 1952.

Norkon

For Analgesic-Antacid and Antipyretic. Claims use since Feb. 14, 1952.

Ser. No. 625,391. Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Filed Feb. 23, 1952.

BEMOCIN

Applicant claims ownership of Registration No. 561,560. For Amino Acid and Multiple Vitamin Preparation in Dosage Form.

Claims use since Feb. 11, 1952.

Ser. No. 626,437. Armour and Company, Chicago, Ill. Filed Mar. 14, 1952.

crystar

For Aspirin.

Claims use since Jan. 31, 1952.

Ser. No. 626,438. Armour and Company, Chicago, Ill. Filed Mar. 14, 1952.

P. P. L.

For Veterinary Posterior Pituitary Composition. Claims use since Sept. 28, 1951.

Ser. No. 627,279. Robert R. Schallenberger, doing business as Schallenberger & Co., San Francisco, Calif. Filed Mar. 29, 1952.

CAL-AMDEX

For Pharmaceutical Preparation Used as a Central Nervous System Stimulant for the Treatment of Mild Depressions and Obesity.

Claims use since Mar. 21, 1952.

Ser. No. 630,023. The Purdue Frederick Company, New York, N. Y. Filed May 21, 1952.

GERILIXIR

For Solution of Essential Nutrients—Namely, Vitamins, Minerals, and Other Nutrients and Appetite Stimulants Specifically Formulated for the Aged.

Claims use since May 15, 1952.

Ser. No. 630,931. Hannah Laboratories, Inc., Monterey, Calif. Filed June 9, 1952.

SO HELP ME

HANNAH

For Emollient Cream for Poison Oak, Poison Ivy, and Minor Skin Irritations.

Claims use since about Sept. 1, 1948.

Ser. No. 632,707. The G. F. Harvey Company, Saratoga Springs, N. Y. Filed July 24, 1952.

OTALGINE

For Liquid Medicinal Preparation Used for Ear Medication.

Claims use since Jan. 1, 1931.

Ser. No. 632,709. American Cyanamid Company, New York, N. Y. Filed July 18, 1952.

NILDIN

For Sedative.

Claims use since June 25, 1952.

Ser. No. 637,608. Organon Inc., Orange, N. J. Filed Nov. 4, 1952.

VELARDON

For Biological Preparation for the Treatment of Infection With Worms.

Claims use since Oct. 23, 1952.

Ser. No. 637,789. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed Nov. 7, 1952.

CANDETTES

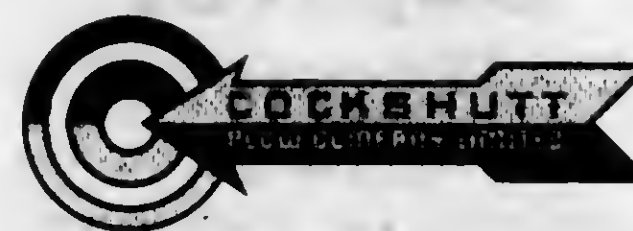
For Antibiotic Lozenge.

Claims use since Oct. 27, 1952.

CLASS 19

VEHICLES

Ser. No. 571,710. Cockshutt Plow Company, Limited, Brantford, Ontario, Canada, now by change of name Cockshutt Farm Equipment Limited. Filed Jan. 6, 1949.



The wording "Cockshutt Plow Company Limited" appearing on the specimens and drawing is disclaimed apart from the mark as shown. The drawing is lined to indicate the colors red and yellow, but color is not an essential feature of the mark. Applicant claims ownership of Registrations Nos. 441,880, 521,126, and 526,071.

For Farm Wagons, Farm Trucks, Farm Trailers, Farm Sleighs, and Harrow Carts.

Claims use since Dec. 1, 1939, in Canada; and first used in commerce between the several States on Dec. 1, 1939.

Ser. No. 612,002. Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Filed Mar. 30, 1951.



Applicant claims ownership of Registrations Nos. 271,085, 532,806, and 277,584. For Automobiles Commonly Employed as Taxicabs. Claims use since Oct. 30, 1928.

Ser. No. 618,483. D-H Engineering & Manufacturing Co., Ziegler, Ill. Filed Sept. 7, 1951.

COURTESY GUARD

No claim is made to the word "Guard" apart from the mark as shown on the drawing.

For Mud Guards Made of Canvas or Rubber Intended for Attachment to the Undercarriages of Trucks Behind the Rear Wheels of Said Trucks.

Claims use since June 25, 1951.

Ser. No. 623,037. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California. Filed Jan. 2, 1952.

ANNIE OAKLEY

Among other meanings, the words "Annie Oakley" were the pseudonym of the famous woman sharp-shooter, Phoebe Moze, now deceased. Applicant claims ownership of Registration No. 561,886.

For Girls' Bicycles.

Claims use since Dec. 15, 1951.

Ser. No. 623,865. L. A. Young Spring and Wire Corporation, Detroit, Mich. Filed Jan. 21, 1952.

ACOUSTACOIL

For Vehicle Seat and Back Spring Cushions and Spring Cushion Assemblies and Parts Thereof.

Claims use since Jan. 3, 1952.

Ser. No. 631,563. Packard Motor Car Company, Detroit, Mich. Filed June 21, 1952.

ASK THE WOMAN WHO DRIVES ONE

Applicant claims ownership of Registrations Nos. 195,900 and 325,141.

For Automotive Vehicles and Particularly Passenger Automobiles.

Claims use since on or about June 18, 1952.

Ser. No. 631,799. Glider Trailer Co., Chicago, Ill. Filed June 20, 1952.

CARA COACH

The word "Coach" is disclaimed apart from the mark as shown.

For House Trailers.

Claims use since June 6, 1952.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 600,872. American Safety Signal Corporation, Elkhart, Ind. Filed July 19, 1950.

PORTA-FLASH

The word "Flash" is disclaimed apart from the mark as shown in the drawing.

For Portable Safety Signal Unit Mounted Upon Wheels and Including a Warning Sign and an Electric Flashing Light Signal Adapted To Be Used To Warn Motor Traffic on Highways and Streets of Pedestrian Crossings, Repair Areas, and Highway Hazards.

Claims use since Oct. 1, 1949.

Ser. No. 617,034. Sandee Manufacturing Company, Chicago, Ill. Filed Aug. 21, 1951.

SAN-ID-LITE

The word "Lite" is disclaimed apart from the mark as shown.

For Extruded Sections and Sheets of Organic Synthetic Plastic Material for Use as Panel Sections and Grids in Fluorescent Lighting Fixtures.

Claims use since Feb. 12, 1951.

Ser. No. 619,849. Homer L. Phillips, Charleston, W. Va. Filed Oct. 10, 1951. (Sec. 2f.)

PHILLIPS

The representation of the goods is disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 503,308.

For Carbon Holder for Use in Arc Lamps.

Claims use since Sept. 15, 1946.

Ser. No. 627,113. Century Lighting, Inc., New York, N. Y. Filed Mar. 27, 1952.

FEATHERLITE

For Electrical Lighting Units—Namely, Combination Flood Lights and Spot Lights.

Claims use since Aug. 30, 1951.

Ser. No. 628,402. Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Filed Apr. 21, 1952.

CHAMFERTRODE

For Specially Coated Metal Electrode Used as a Tool for Cutting and Removing Metals.

Claims use since Apr. 7, 1952.

Ser. No. 631,833. Westinghouse Electric Corporation, Pittsburgh and Sharon, Pa. Filed June 26, 1952.

DynAC

For Magnetic Brakes.

Claims use since Mar. 5, 1950.

Ser. No. 631,869. J F D Manufacturing Co., Inc., Brooklyn, N. Y. Filed June 27, 1952.

Baline

For Television Antenna.

Claims use since May 5, 1952.

Ser. No. 631,870. J F D Manufacturing Co., Inc., Brooklyn, N. Y. Filed June 27, 1952.

JeTenna

For Television Antenna.

Claims use since Apr. 14, 1952.

Ser. No. 632,136. Vitallie Battery Company, Inc., Dallas, Tex. Filed July 3, 1952.

Capitol

For Storage Batteries.

Claims use since 1934.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 597,277. Jaymar Specialty Company, Brooklyn, N. Y. Filed May 11, 1950.

SCREW-BALLS

The word "Balls" is disclaimed apart from the mark shown.

For Toy Comprising Two Balls Connected by an Elastic Band.

Claims use since March 1950.

Ser. No. 629,311. Albert Lee Miller, Kansas City, Mo. Filed May 7, 1952.

BARE-FOOT-BOY

For Artificial Fish Bait.

Claims use since Apr. 1, 1952.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 578,925. Food Machinery and Chemical Corporation, San Jose, Calif. Filed May 16, 1949. (Sec. 2f.)

BEAN

Applicant claims ownership of Registration No. 97,748. For Agricultural and Horticultural Spraying and Dusting Machines.

Claims use since during 1912.

Ser. No. 584,947. Productive Equipment Corporation, Chicago, Ill. Filed July 18, 1949.



Applicant claims ownership of Registration No. 256,297.

For Vibrating Screens.

Claims use since Nov. 15, 1928.

Ser. No. 596,983. Colonial Knife Company, Inc., Providence, R. I. Filed May 6, 1950.

KITCHEN MAID

The word "Kitchen" is disclaimed apart from the mark as shown.

For Table Knives, Paring Knives, Bread Knives, Hunting Knives, Fishing Knives, and Pocket Knives.

Claims use since Feb. 7, 1950.

Ser. No. 601,656. American Steel Dredge Company Inc., Fort Wayne, Ind. Filed Aug. 3, 1950.

BUSHWACKER

For Heavy-Duty Ground Growth Disintegrating Machines for Clearing Land.

Claims use since Dec. 15, 1949.

Ser. No. 602,129. Edmund J. Wudel, doing business under the fictitious name and style of Edmund J. Wudel Mfg. Co., Los Angeles, Calif. Filed Aug. 12, 1950.



For Spark Plug Cleaning Machines.

Claims use since February 1946.

Ser. No. 602,207. The Mine and Smelter Supply Company, Denver, Colo. Filed Aug. 15, 1950. (Sec. 2f.)

MARCY

Applicant claims ownership of Registration No. 417,959. For Grinding Mills—Namely, Ball and Rod Mills.

Claims use since 1914.

Ser. No. 604,081. Murray Ferber, doing business under the name and style of Marlboro Automotive Co., New York, N. Y. Filed Sept. 27, 1950.



For Automotive Spare Parts—Namely, Carburetors and Parts Thereof, Fuel Pumps and Parts Thereof.

Claims use since Aug. 15, 1950.

Ser. No. 615,684. Borg-Warner Corporation, Chicago, Ill. Filed June 26, 1951. (Sec. 2f.)

ROCKFORD

For Clutch Assemblies, Clutch Driven Discs, Multiple Disc Clutches, Power Take-Off and Gear Reduction Units for Internal Combustion Engines, Gear Tooth Drives, Jaw Type Clutches, Clutches for Sprocket Drives, Clutches for Pulley Drives and Fixtures for Reconditioning Clutches, and Parts of the Aforesaid Goods for Replacement and Repair.

Claims use since Apr. 2, 1919.

Ser. No. 615,685. Borg-Warner Corporation, Chicago, Ill. Filed June 26, 1951. (Sec. 2f.)



For Clutch Assemblies, Clutch Driven Discs, Multiple Disc Clutches, Power Take-Off and Gear Reduction Units for Internal Combustion Engines, Gear Tooth Drives, Jaw Type Clutches, Clutches for Sprocket Drives, and Clutches for Pulley Drives, and Fixtures for Reconditioning Clutches, and Parts of the Aforesaid Goods for Replacement and Repair.

Claims use since April 1927 on the mark as shown; and since Apr. 2, 1919, as to "Rockford."

Ser. No. 617,819. Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Filed Aug. 17, 1951.

S.I.P.

Applicant claims ownership of Registrations Nos. 296,087 and 297,447.

For High Precision Machine Tools—Namely, Drilling, Grinding, Jig Boring, and Milling Machines, and Parts Thereof.

Claims use since 1917 in Switzerland; and since November 1920 in commerce between the United States and Switzerland.

Ser. No. 619,450. Continental Copper & Steel Industries, Inc., Holyoke, Mass., and New York, N. Y. Filed Oct. 1, 1951. (Sec. 2f.)

WALSH

Applicant claims ownership of Registration No. 224,398. For Plows—Namely, Snowplows, and Scrapers, Particularly Adapted for the Levelling of Ground and the Back Filling of Trenches.

Claims use since Nov. 22, 1924.

Ser. No. 619,790. American Saw and Manufacturing Company, Springfield, Mass. Filed Oct. 10, 1951.

APEX

For Hole Saws.
Claims use since October 1950.

Ser. No. 622,825. Paul E. Hawkinson Company, Minneapolis, Minn. Filed Dec. 26, 1951. (Sec. 2f.)

HAWKINSON

For Hydraulic Pumps for Tire Spreaders.
Claims use since Jan. 1, 1940.

Ser. No. 622,994. The Ooss Printing Press Company, Chicago, Ill. Filed Dec. 29, 1951.

TUBULAR

Applicant claims ownership of Registrations Nos. 142,866 and 318,143.
For Rotary Printing Presses, Stereotype-Casting Boxes, and Stereotype-Plate-Trimming Mechanism.
Claims use since Aug. 16, 1906.

Ser. No. 623,413. Olbbons Bros. Rotary Company Limited, Birmingham, England. Filed Jan. 10, 1952.

"VILLA"

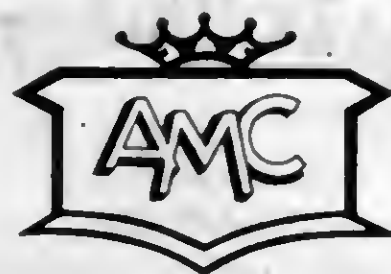
For Vegetable Cutters (Hand Tools).
Claims use since September 1939.

Ser. No. 625,014. Peter J. Michels, Inc., Brooklyn, N. Y. Filed Mar. 4, 1952.

HF

For Barbers' Razors and Shears.
Claims use since Sept. 22, 1947.

Ser. No. 628,031. The Associated Merchandising Corporation, New York, N. Y. Filed Apr. 14, 1952.



Applicant claims ownership of Registration No. 512,496. For Carpet Sweepers.
Claims use since Feb. 25, 1952.

Ser. No. 629,692. Robbins & Myers, Inc., Springfield, Ohio. Filed May 14, 1952.

MOYNO

Applicant claims ownership of Registration No. 427,446. For Rotary Pumps and Compressors.
Claims use since on or about Jan. 1, 1946.

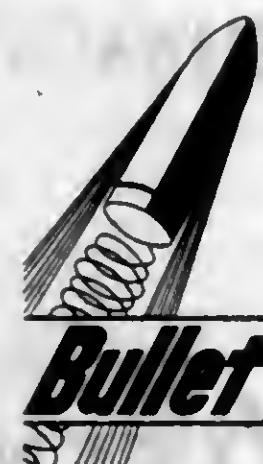
Ser. No. 631,753. Nordberg Manufacturing Company, Milwaukee, Wis. Filed June 25, 1952.

KNIGHT



For Internal Combustion Engines.
Claims use since Jan. 16, 1951.

Ser. No. 631,754. Nordberg Manufacturing Company, Milwaukee, Wis. Filed June 25, 1952.



For Internal Combustion Engines.
Claims use since Nov. 5, 1951.

Ser. No. 631,755. Nordberg Manufacturing Company, Milwaukee, Wis. Filed June 25, 1952.



For Internal Combustion Engines.
Claims use since Mar. 6, 1951.

Ser. No. 631,756. Nordberg Manufacturing Company, Milwaukee, Wis. Filed June 25, 1952.



For Internal Combustion Engines.
Claims use since Jan. 22, 1951.

Ser. No. 632,020. Economy Sewing Machine Center, Philadelphia, Pa. Filed July 1, 1952.

Economy

For Sewing-Machines Intended for Home Use and Parts and Attachments Therefor.
Claims use since August 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 584,243. R. Lally Co., Evanston, Ill. Filed Aug. 30, 1949.

DUROTEX

For Commercial Laundry and Dry Cleaning Press Covers and Commercial Laundry Flat Work Ironer Covers, Both Sold Ready To Use.
Claims use since June 7, 1948.

Ser. No. 617,520. Whirlpool Corporation, St. Joseph, Mich. Filed Aug. 9, 1951.

Whirlpool

Applicant claims ownership of Registrations Nos. 226,129, 351,512, and others.
For Domestic Laundry Appliances—Namely, Washing Machines, Clothes Drier Machines, and Ironing Machines.
Claims use since Jan. 29, 1951.

Ser. No. 628,736. The Associated Merchandising Corporation, New York, N. Y. Filed Apr. 26, 1952.



Applicant claims ownership of Registration No. 283,168. For Outdoor Rotary Dryers of the Laundry Type and Ironing Tables.
Claims use since Aug. 2, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 601,894. Filotecnica Salmoraghi S. A., Milan, Italy. Filed Aug. 8, 1950.

ANELIO

Applicant claims ownership of Italian Registration No. 98,566, dated Oct. 26, 1950.
For Lenses for Eye-Glasses, Prisms for Optical Use, Prismatic Monocles, Opera-Glasses, and Magnifying Glasses.

Ser. No. 602,451. Hellge, Inc., Long Island City, N. Y. Filed Aug. 19, 1950.



Volume Control

Applicant disclaims any exclusive right to the words "Volume Control" apart from the mark as shown.
For Laboratory Apparatus—Namely, Pipettes Used for Blood Testing.
Claims use since July 28, 1950.

Ser. No. 606,733. Donald C. Shelton, San Diego, Calif. Filed Nov. 21, 1950.

'ACCURATEMP'

For Thermometers for Indicating Temperature of Liquid in Baby Feed Bottles.
Claims use since Sept. 27, 1950.

Ser. No. 615,988. The Lufkin Rule Company, Saginaw, Mich. Filed July 2, 1951.

BANNER

For Measuring Tapes and Spring Dividers.
Claims use since Jan. 10, 1918.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 622,833. Lehom Novelty Mfg. Co., Newark, N. J. Filed Dec. 26, 1951.

HARAL
FIFTH AVENUE

The words "Fifth Avenue" are disclaimed apart from the mark as shown without waiver of common law rights thereto.

For Genuine and Imitation Pearls and Jewelry—Namely, Genuine and Imitation Pearls, Pearl Necklaces, Earrings, and Bracelets.

Claims use since Oct. 1, 1949.

Ser. No. 623,614. Pik Manufacturing, New York, N. Y. Filed Jan. 15, 1952.

pik

For Costume Jewelry—Namely, Bracelets, Necklaces, Earrings, and Pins.

Claims use since November 1948.

Ser. No. 632,754. Spedel Corporation, Providence, R. I. Filed July 18, 1952.

**COBBLE
STONE**

For Watch Bracelets (Not Including Watches).
Claims use since June 12, 1952.

Ser. No. 632,756. Spedel Corporation, Providence, R. I. Filed July 18, 1952.

PETTI POINT

For Watch Bracelets (Not Including Watches).
Claims use since June 12, 1952.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 597,613. Tek Hughes, Inc., New York, N. Y., now by change of name Autograf Brush & Plastics Co. Incorporated, a corporation of New York, assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey. Filed May 17, 1950. (Sec. 2f.)

Hughes

Applicant claims ownership of Registration No. 424,121. For Toilet Brushes, Tooth Brushes, Hand Brushes, Nail Brushes, Complexion Brushes, Bath Brushes, Scrubbing

Brushes, Hair Brushes, Dental Plate Brushes, Powder Brushes, Flesh Brushes, Manicure Brushes, Palm Brushes, Jewelry Brushes, and Clothes Brushes.
Claims use since February 1918.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 615,828. The Haeger Pottery, Inc., Dundee, Ill. Filed June 28, 1951. (Sec. 2f.)

Haeger

Applicant claims ownership of Registrations Nos. 402,031 and 402,895.

For Various Ceramic Articles—Namely, Vases, Bowls, Pots, Flower Pots, Console Sets, Novelty Plant Holders, and Novelty Flower Holders.

Claims use since in the year 1914.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 608,350. Fram Corporation, Providence, R. I. Filed Jan. 4, 1951.

FILTRONIC

For Filter Cartridges for Filtering Engine Lubricants.
Claims use since Dec. 11, 1950.

Ser. No. 611,889. Carter Carburetor Corporation, St. Louis, Mo. Filed Mar. 28, 1951. (Sec. 2f.)

CARBURETER

Exclusive use of the word "Carbureter" is disclaimed apart from the mark. The mark consists of the name "Carter" and the word "Carbureter" in combined form. For Liquid Fuel Filters and Parts Thereof.
Claims use since July 1935.

Ser. No. 632,491. Servel Inc., Evansville, Ind., and New York, N. Y. Filed July 12, 1952.

Servel

Applicant claims ownership of Registrations Nos. 173,263 and 326,647.

For Refrigerators, Refrigerator Parts, Automatic Refrigerators, Automatic Refrigerating Parts, and Refrigerating Systems, for the Preservation of Foodstuffs and Like Purposes.

Claims use since December 1951.

Ser. No. 632,695. Sherer-Gillett Company, Marshall, Mich. Filed July 17, 1952. (Sec. 2f.)

SHERER

Applicant claims ownership of Registration No. 124,886. For Storage and Display Food Refrigerators, Bottle Coolers, Ice Cube Makers, Beer Coolers, and Walk-in Coolers.

Claims use since September 1946 as to the mark shown; and since April 1894 as to "Sherer."

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 541,350. Sure-Fit Products Company, Bethlehem, Pa. Filed Nov. 15, 1947. (Sec. 2f.)

STA-FAST

Applicant claims ownership of Registration No. 334,032. For Securing Device in the Nature of an Attached Drawstring for Tailored Slip Covers.

Claims use since Oct. 9, 1934.

Ser. No. 612,429. Saltzson Drapery Company, Philadelphia, Pa. Filed Apr. 6, 1951.

Rite-Fit
PRODUCT

Applicant disclaims the words "Rite-Fit Product" apart from the mark as shown.

For Furniture Slip Covers, Studio and Davenport Covers.
Claims use since Mar. 9, 1950.

Ser. No. 613,497. Burlington Basket Company, Burlington, Iowa. Filed May 4, 1951.

Baskenette

Applicant claims ownership of Registration No. 341,568. For Basket Cribs, Baby Baskets.
Claims use since Feb. 15, 1936.

Ser. No. 620,979. Sylcon Management Association, Chicago, Ill. Filed Nov. 7, 1951. COLLECTIVE MARK.

SYLFOAM

For Mattresses and Pillows Containing Foam Latex Units.

Claims use since February 1950.

Ser. No. 622,728. Reflector-Hardware Corporation, Chicago, Ill. Filed Dec. 20, 1951.

Spacemaster

For Retail Store Display Equipment—Namely, Display Stands, Counters, Racks, and Wall Brackets.

Claims use since on or about May 18, 1949.

Ser. No. 623,919. Stewart Hartshorn Company, New York, N. Y., assignor to Breneman-Hartshorn Inc., Cincinnati, Ohio. Filed Jan. 22, 1952.

Textone

For Window Shades.

Claims use since Dec. 26, 1951.

Ser. No. 628,275. Household Utilities Co., Milwaukee, Wis. Filed Apr. 18, 1952.

**WINDO
JEM**

The word "Windo" is disclaimed apart from the mark as shown.

For Plastic Window Shade Pull.

Claims use since Mar. 18, 1952.

Ser. No. 629,128. Simmons Company, New York, N. Y. Filed May 2, 1952.

Dorm-Bilt

No registration rights are claimed for the word "Bilt" apart from the mark shown.

For Mattresses.

Claims use since Apr. 8, 1952.

Ser. No. 630,412. Hunter Douglas Corporation, New York, N. Y. Filed May 28, 1952.

Flexalum TWI-LIGHTER

Applicant claims ownership of Registrations Nos. 427,704, 522,365, and 532,148.

For Venetian Blinds.

Claims use since May 7, 1952.

Ser. No. 630,413. Hunter Douglas Corporation, New York, N. Y. Filed May 28, 1952.

TWI-NIGHTER

For Venetian Blinds.

Claims use since May 7, 1952.

Ser. No. 630,414. Hunter Douglas Corporation, New York, N. Y. Filed May 28, 1952.

Flexalum **TWI-LIGHTER**

Applicant claims ownership of Registrations Nos. 427,704, 522,365, and 532,148.
For Venetian Blinds.
Claims use since May 7, 1952.

Ser. No. 631,115. National Mattress Company, Huntington, W. Va. Filed June 12, 1952.

Namafocam

For Mattresses.
Claims use since Jan. 1, 1949.

Ser. No. 631,205. Eclipse Sleep Products Inc., Brooklyn, N. Y. Filed June 14, 1952.

POSTURGUARD

For Mattresses.
Claims use since June 1, 1952.

Ser. No. 631,605. The Columbia Mills, Inc., Syracuse, N. Y. Filed June 23, 1952.

SPARTAN

For Window Shade Rollers.
Claims use since Nov. 1, 1951.

Ser. No. 631,606. Craftmaster Inc. of Washington, Seattle, Wash. Filed June 23, 1952.

TUK-A-BED

No claim is made to the word "Bed" apart from the mark as shown.
For Sofa Beds.
Claims use since May 23, 1952.

Ser. No. 631,981. Edbert, Inc., Dallas, Tex. Filed June 30, 1952.

Vibra-Life

For Chairs.
Claims use since on or about Dec. 5, 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 609,852. Wm. Ferry Co., Constantia, N. Y. Filed Feb. 9, 1951.



For Barn Ventilators.
Claims use since June 6, 1950.

Ser. No. 616,948. W. B. Connor Engineering Corp., New York, N. Y., and Danbury, Conn. Filed July 26, 1951.

DOREX AIR IMPROVER

The words "Air Improver" are disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 529,016.

For Air Purifying Devices Consisting of Carbon Canisters and a Blower Mechanism for Circulating Air Within a Confined Space Through the Device.
Claims use since Jan. 15, 1951.

Ser. No. 632,386. Quick Charge, Inc., Oklahoma City, Okla. Filed July 10, 1952.



For Gas Water-Heaters.
Claims use since about the middle of May 1952.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 626,806. The Mohawk Rubber Company, Akron, Ohio. Filed Mar. 22, 1952.

Mo Flex

The word "Flex" is disclaimed apart from the mark as a whole.
For Uncured Ready-Built Tire Repair Patch Units Consisting of Composite Rubber and Fabric Material.
Claims use since on or about Mar. 12, 1952.

Ser. No. 629,757. Abel's Tire Corporation, Rutland, Vt. Filed May 16, 1952.

ABELIZED

For Re-Treaded and Vulcanized Automobile and Truck Tires.
Claims use since Sept. 10, 1951.

Ser. No. 636,843. D K Manufacturing Company, Chicago, Ill. Filed Oct. 18, 1952.

COBRA

For Flexible Metal Hose.
Claims use since Oct. 13, 1952.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 591,571. Hamilton County Republican Executive Committee, Cincinnati, Ohio. Filed Jan. 27, 1950.

The AMERICAN WORKER-

The word "American" is disclaimed apart from the mark as shown.
For Publication Issued Monthly.
Claims use since Aug. 3, 1949.

Ser. No. 598,898. Dow Jones & Company, Inc., New York, N. Y. Filed June 10, 1950.

BIZ-QUIZ

For Feature Column in Publications.
Claims use since Jan. 27, 1950.

Ser. No. 609,168. The Country Squire, Greenwich, Conn., assignor to The Country Squire Publishing Corporation, Greenwich, Conn., a corporation of Connecticut. Filed Jan. 24, 1951.

Country Squire

For Periodical.
Claims use since Dec. 15, 1950.

Ser. No. 610,836. Dosie & Johnson Co., Milwaukee, Wis. Filed Mar. 5, 1951.

Vitacolor

For Books, Picture Post Cards, Wall Calendars, and Printed and Lithographed Advertising—Namely, Catalog Cards and Sheets, Window Posters, Counter Cards, Wall Posters and BlotTERS, All Sold as Such.
Claims use since Sept. 11, 1947.

Ser. No. 616,265. Donald Whitacre, Oregonia, Ohio. Filed July 9, 1951.

Curious Facts...

No claim is made to the word "Facts" apart from the mark as shown.
For Newspaper Column.
Claims use since Jan. 27, 1943.

Ser. No. 629,792. Gold Star Publications, Inc., Washington, D. C. Filed May 16, 1952.

The Gold **STAR**

For Periodical Publication.
Claims use since February 1952.

Ser. No. 630,349. Real Adventures Publishing Company, Inc., New York, N. Y. Filed May 27, 1952.

SHEENA
QUEEN OF THE JUNGLE

For Periodical and a Cartoon Strip.
Claims use since Jan. 1, 1942.

Ser. No. 630,605. Josephine McHenry, Newport, R. I. Filed June 2, 1952.



The terms "5ths," "4ths," and "Roots and Inversions" are disclaimed apart from the trade-mark as shown in the drawing.
For Books Relating to the Art of Teaching the Piano.
Claims use since Mar. 11, 1952.

CLASS 39

CLOTHING

Ser. No. 607,804. The Florsheim Shoe Company, Chicago, Ill. Filed Dec. 18, 1950.

PLIASOLE

Applicant claims ownership of Registration No. 249,479.
For Footwear—Namely, Men's Shoes.
Claims use since Aug. 31, 1950.

Ser. No. 608,753. Etablissements Veuve Louis Tant, Roulers, Belgium. Filed Jan. 13, 1951.

LOTALISED

Priority under Sec. 44(d). Belgian application filed Sept. 29, 1950, Reg. No. 2,414, dated Sept. 29, 1950.

For Women's Dresses, Aprons, Blouses, Skirts, Shirt-waists, Playsuits, Halters, Scarfs, Men's and Women's Slacks, Shorts, and Jackets, Men's Outer Shirts, Under-shirts, and Undershorts, and Shoes, Sportshoes, and Sandals, All Made Wholly or Partly of Linen.

Ser. No. 610,914. Koret of California, Inc., San Francisco, Calif. Filed Mar. 6, 1951.

TUBI NYL

Applicant claims ownership of Registration No. 531,735. For Women's, Misses', and Children's Dresses, Halters, Outer Shorts, Outer Shirts, Blouses, Slacks, Pedal Pushers, and Jackets.

Claims use since Mar. 1, 1951.

Ser. No. 611,744. Sherman Footwear Company, Marlboro, Mass. Filed Mar. 24, 1951.



The representation of the man and dog shown in the mark is entirely fanciful.

For Shoes and Slippers of Leather for Men and Women.

Claims use since Feb. 21, 1951.

Ser. No. 611,769. Craddock-Terry Shoe Corporation, Lynchburg, Va. Filed Mar. 26, 1951. (Sec. 2f.)

DOUBLE LIFE

Applicant claims ownership of Registration No. 157,035. For Men's and Boys' Shoes.

Claims use since May 1, 1921.

Ser. No. 612,069. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Filed Mar. 31, 1951.

Raintogger

Applicant claims ownership of Registration No. 240,410. For Footwear—Namely, Boots and Shoes Made Wholly or Partly of Rubber for the Use of Men, Women, and Children.

Claims use since October 1950.

Ser. No. 614,615. Canthey Footwear, Inc., New York, N. Y. Filed June 1, 1951.



For Ladies' and Misses' Shoes, Made of Leather, Suede, Canvas, Fabric, or Combinations and Combinations Thereof.

Claims use since November 1949.

Ser. No. 616,175. Jolly Kids Togs, Chicago, Ill. Filed July 6, 1951.



The applicant does herewith disclaim apart from the mark shown, the word "Nitie" insofar as it is descriptive as the phonetic equivalent of the word "Nightie." Applicant claims ownership of Registration No. 348,889.

For Infants' Sleeping Garments Consisting of Sleeping Bags.

Claims use since April 1951.

Ser. No. 616,583. Balitch & Castaldi, Inc., New York, N. Y. Filed July 17, 1951.

Queen's Crest

For Ladies', Misses', and Juniors' Coats and Suits.

Claims use since June 1, 1951.

Ser. No. 620,966. Edward Jacobs, Baltimore, Md. Filed Nov. 7, 1951.



For Ladies' and Men's Clothing—Namely, Suits, Topcoats, Raincoats, Overcoats, Sport Jackets and Trousers, Four-in-Hand and Bow Ties, Outer Shirts, and Belts.

Claims use since Aug. 1, 1939.

Ser. No. 621,695. Bernhard Altmann, New York, N. Y. Filed Nov. 27, 1951.

BERNALL

For Men's, Ladies', and Children's Coats, Overcoats, Topcoats, Underwear, Sweaters, Hosiery, Scarfs, Mufflers, Shawls, Lounging Robes, Sport Jackets, and Vests.

Claims use since 1948.

Ser. No. 622,188. The Salem Co., Inc., Winston-Salem, N. C. Filed Dec. 6, 1951.

RANCHAPS

For Men's, Women's, Boys', Girls', and Children's Work and Play Clothes—Namely, Dungarees, Overalls, Coveralls, and Trousers.

Claims use since July 19, 1951.

Ser. No. 622,189. The Salem Co., Inc., Winston-Salem, N. C. Filed Dec. 6, 1951.

RANCHETTES

For Men's, Women's, Boys', Girls', and Children's Work and Play Clothes—Namely, Dungarees, Overalls, Coveralls, and Trousers.

Claims use since July 19, 1951.

Ser. No. 624,069. Bernhard Altmann, New York, N. Y. Filed Jan. 25, 1952.

AMERAYON

For Men's, Ladies', and Children's Coats, Overcoats, Topcoats, Underwear, Sweaters, Hosiery, Scarfs, Mufflers, Shawls, Lounging Robes, Sport Jackets, and Vests.

Claims use since November 1950.

Ser. No. 624,778. Church & Company Limited, Northampton, England. Filed Feb. 11, 1952. (Sec. 2f.)

CHURCH'S

Applicant claims ownership of United States Registrations Nos. 290,411 and 293,230.

For Boots, Shoes, Gaiters, and Spats for Men or Women.

Claims use since 1910 in the United Kingdom; and first used in commerce between the United States and the United Kingdom of Great Britain and Northern Ireland in 1910.

Ser. No. 625,821. Rogers Used Clothing Co. Inc., New York, N. Y. Filed Mar. 1, 1952.

KAY PICONG

The trade-mark "Kay Picong" is purely fanciful and is not the name of any living individual.

For Bales of Used Clothing.

Claims use since February 1949.

Ser. No. 626,533. Rosen & Son Dress Co., Inc., Boston, Mass. Filed Mar. 15, 1952. (Sec. 2f.)



The name "Lady Ashton" is fanciful. Applicant claims ownership of Registration No. 401,668.

For Women's Dresses, Coats, Dress and Jacket Ensembles; Suits, Coat, and Suit Ensembles; Coveralls, Jumpers, and Blouses.

Claims use since May 25, 1943.

Ser. No. 626,535. Royal Robes, Inc., New York, N. Y. Filed Mar. 15, 1952.



The word "Robes" is disclaimed, apart from the mark as shown. Applicant claims ownership of Registrations Nos. 377,453 and 536,180.

For Men's and Boys' Lounging Robes and Men's Smoking Jackets.

Claims use since March 1945.

Ser. No. 626,536. Royal Robes, Inc., New York, N. Y. Filed Mar. 15, 1952.



The word "Robes" is disclaimed, apart from the mark as shown. Applicant claims ownership of Registrations Nos. 377,453 and 536,180.

For Men's and Boys' Beach Robes and Beach Jackets.

Claims use since March 1945.

Ser. No. 627,203. R. H. Macy & Co., Inc., New York, N. Y. Filed Mar. 28, 1952.



No claim is made to the exclusive right to use of the word "British" apart from the mark as shown.

For Men's Shoes.

Claims use since Aug. 7, 1951.

Ser. No. 627,309. Dave Bellsey Co. Inc., New York, N. Y. Filed Mar. 26, 1952.



Applicant claims ownership of Registration No. 343,278. For Ladies', Misses' Coats, and Suits.

Claims use since Jan. 2, 1952.

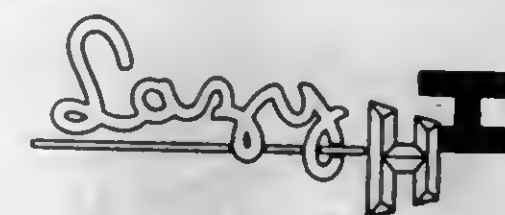
Ser. No. 627,707. Soint Shoe Co., Los Angeles, Calif. Filed Apr. 7, 1952.



For Boots and Shoes Made of Leather, Cloth, Rubber, and Combinations Thereof for Use of Men, Women, and Children.

Claims use since February 1951.

Ser. No. 627,943. C. H. Hyer & Sons, Olathe, Kans. Filed Apr. 11, 1952.



For Boots and Shoes Made of Leather, Fabric, and/or Combination Thereof for Men, Women, and Children.

Claims use since Mar. 13, 1952.

Ser. No. 628,066. M. Silbert & Son, Ltd., Los Angeles, Calif. Filed Apr. 14, 1952. (Sec. 2f.)



For Women's and Misses' Suits and Coats.

Claims use since July 1, 1920.

Ser. No. 628,219. Melrod Ritter, New York, N. Y. Filed Apr. 17, 1952.

Melrod

For Women's and Misses' Dresses, Suits, Skirts, Blouses, Coats, and Jackets.
Claims use since June 1, 1951.

Ser. No. 628,315. White Stag Manufacturing Co., Portland, Oreg. Filed Apr. 18, 1952.

CALFSKINNERS

For Women's and Misses' Slacks.
Claims use since Sept. 15, 1951.

Ser. No. 628,445. Walda Scott Originals, Inc., New York, N. Y. Filed Apr. 21, 1952.

Silakana

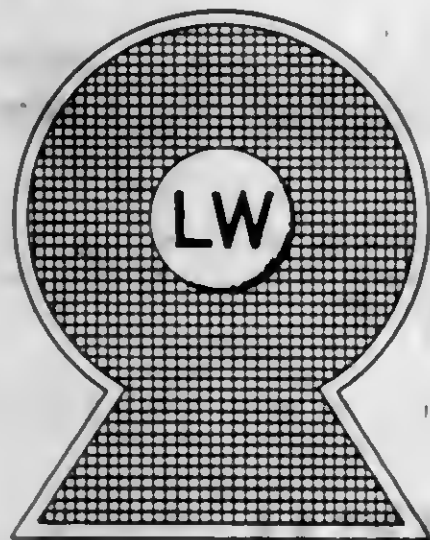
For Misses' and Junior Suits.
Claims use since Mar. 27, 1952.

Ser. No. 628,504. Pachter-Oarment Co. Inc., Kansas City, Mo. Filed Apr. 22, 1952.

Bel Mario

For Ladies' Coats and Suits.
Claims use since Apr. 8, 1952.

Ser. No. 628,544. Lumbard-Watson Co., Auburn, Maine. Filed Apr. 23, 1952.



The drawing is lined for shading purposes only. Applicant claims ownership of Registration No. 562,633.
For Women's Shoes of Leather, Fabric, Rubber, or Combinations Thereof.
Claims use since June 7, 1945.

Ser. No. 628,836. The Williams Manufacturing Company, Portsmouth, Ohio. Filed Apr. 28, 1952.

WILMANCO

For Ladies' and Girls' Shoes and Slippers of Leather, Fabric, Synthetic Material, and Combinations Thereof.
Claims use since June 20, 1951.

Ser. No. 628,859. I. C. Isaacs & Company, Inc., Baltimore, Md. Filed Apr. 29, 1952. (Sec. 2f.)

FITALL

Applicant claims ownership of Registration No. 311,068.
For Ladies' and Men's Slacks.
Claims use since Oct. 1, 1933.

Ser. No. 628,860. I. C. Isaacs & Company, Inc., Baltimore, Md. Filed Apr. 29, 1952.

PIPESTEM

For Ladies' and Men's Slacks.
Claims use since February 1949.

Ser. No. 629,176. Musebeck Shoe Company, Oconomowoc, Wis. Filed May 3, 1952.

ONE-SHU

The word "Shu" is disclaimed apart from the rest of the mark.

For Men's, Women's, and Children's Shoes Formed Principally of Leather.
Claims use since Mar. 29, 1952.

Ser. No. 629,369. Hunsco Shoe Company, Honesdale, Pa. Filed May 8, 1952.

Huskies

Applicant claims ownership of Registrations Nos. 330,059, 442,600, and 538,768.
For Footwear—Namely, Shoes, Moccasins, and Slippers for Men, Women, and Children.
Claims use since Mar. 1, 1946.

Ser. No. 629,453. National Bellas Hess, Inc., North Kansas City, Mo. Filed May 9, 1952.

National Ankle-Trims

For Women's and Girls' Shoes, Slippers, and Loafers of Leather, Fabric, and Combinations Thereof, and With Leather or Rubber Soles.
Claims use since Jan. 1, 1933.

Ser. No. 629,538. Zip-Mates of California, Los Angeles, Calif. Filed May 10, 1952.

ZIP-MATES

For Ladies' and Children's Blouses, Slacks, Suits, Skirts, and Dresses.
Claims use since Dec. 28, 1951.

Ser. No. 629,956. Sarra & Sons, Inc., Lynn, Mass. Filed May 20, 1952.

Travel Master

For Shoes of Leather, Rubber, Fabric, and Combination Thereof, for Women and Misses.
Claims use since Mar. 31, 1952.

Ser. No. 630,009. Koret of California, Inc., San Francisco, Calif. Filed May 21, 1952.

DAKRAMERE

For Women's, Misses', and Children's Dresses, Halsters, Outer Shorts, Outer Shirts, Blouses, Slacks, Pedal Pushers, and Jackets.
Claims use since Apr. 15, 1952.

Ser. No. 630,195. Metropolitan Shoemakers, Inc., Chicago, Ill. Filed May 24, 1952.

De La Mar

For Ladies' Shoes.
Claims use since June 1937.

Ser. No. 630,734. E. Sawitsky & Bro. Inc., New York, N. Y. Filed June 4, 1952.

Salboro

For Men's and Boys' Clothing—Namely, Suits, Sport Jackets, Slacks, Top Coats, and Overcoats.
Claims use since on or about June 15, 1937.

Ser. No. 630,804. J. Schoeneman, Inc., Baltimore, Md. Filed June 5, 1952.

MAGICA

For Coats, Vests, Trousers, and Knickerbockers for Men, Youths, and Boys.
Claims use since May 27, 1952.

Ser. No. 631,343. Dell-Mann Fashions, Inc., New York, N. Y. Filed June 18, 1952.

KARIM

For Ladies' Coats.
Claims use since Mar. 24, 1952.

Ser. No. 631,379. Sklaroff Brothers, Inc., Philadelphia, Pa. Filed June 18, 1952.

Pert

For Women's Hosiery.
Claims use since June 13, 1952.

Ser. No. 631,428. Kalamazoo Pant Company, Kalamazoo, Mich. Filed June 19, 1952.

"Brits"

For Slacks for Men and Boys.
Claims use since on or about Dec. 15, 1951.

Ser. No. 631,556. Hat Corporation of America, Norwalk, Conn. Filed June 21, 1952.

Cavanair

Applicant claims ownership of Registrations Nos. 267,193, 270,725, and others.
For Straw Hats for Men.
Claims use since June 10, 1952.

Ser. No. 631,669. Kroywen Coats, Inc., New York, N. Y. Filed June 24, 1952.

"Quinella"

For Misses' and Ladies' Coats and Suits.
Claims use since Oct. 3, 1951.

Ser. No. 631,905. Venné Juniors, Inc., New York, N. Y. Filed June 27, 1952.



styled by

Venné

The words "Styled by" are disclaimed apart from the mark shown.

For Women's Coats and Suits.
Claims use since Nov. 1, 1948.

Ser. No. 632,520. Glen of Michigan, Inc., Milwaukee, Wis. Filed July 14, 1952.

twix miss

For Ladies', Misses', and Junior Misses' Dresses, Suits, and Coats.
Claims use since May 5, 1952.

Ser. No. 632,842. The H. D. Lee Company, Incorporated, Kansas City, Mo. Filed July 21, 1952.

Frontier Lady

For Ladies' Denim Riding Pants.
Claims use since July 11, 1952.

Ser. No. 632,935. Hamilton Shoe Company, St. Louis, Mo.
Filed July 23, 1952.

Softlights

For Women's Shoes.
Claims use since July 1, 1952.

Ser. No. 633,288. John Addison Footwear, Inc., Marlboro, Mass. Filed July 31, 1952.



For Men's Work Shoes.
Claims use since May 8, 1952.

Ser. No. 633,463. The National Glove Company, Columbus, Ohio. Filed Aug. 4, 1952. (Sec. 2f.)

Eezy Wear

For Gloves Made of Leather, Fabric, Rubber, and Combinations of Leather, Fabric, and Rubber.
Claims use since Nov. 18, 1930.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 587,825. Schalet-Pollack Corporation, New York, N. Y. Filed Nov. 15, 1949. (Sec. 2f.)

NO-SEW

For Buttons Except Precious Metal Made of Both Metallic and Non-Metallic Material.
Claims use since January 1941.

Ser. No. 626,433. S. H. Kress and Company, New York, N. Y. Filed Feb. 28, 1952.

BONITA

Applicant claims ownership of Registrations Nos. 280,037, 280,038, and others.
For Braids and Binding and Finishing Tapes.
Claims use since May 15, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 626,790. Goodall-Sanford, Inc., Sanford, Maine. Filed Mar. 21, 1952.

SYLVA — CREST

For Piece Goods of Wool Zibeline Fabrics.
Claims use since Feb. 8, 1952.

Ser. No. 629,816. Schaefer & Kassel, New York, N. Y.
Filed May 16, 1952.

Chlorodure

For Textile Fabrics in the Piece Made of Cotton and Rayon and Mixtures Thereof.
Claims use since Apr. 10, 1952.

Ser. No. 632,391. Ragcrofters, Inc., New York, N. Y.
Filed July 10, 1952.

Chamfret

For Textile Rugs and Carpets.
Claims use since May 9, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 605,075. Syndicat Français des Textiles Artificiels, Paris, France. Filed Oct. 17, 1950.



Priority under Sec. 44(d). French application filed June 6, 1950; Reg. No. 403,549, dated June 6, 1950.
For Thread and Yarn Made From Rayon and Other Materials.

Ser. No. 633,281. United Elastic Corporation, Easthampton, Mass. Filed July 30, 1952.

PERMOFLEX

Applicant claims ownership of Registration No. 390,422.
For Elastic Thread and Strands, Both Covered and Uncovered.
Claims use since Sept. 15, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 588,233. Frank M. Smaildone, Los Angeles, Calif. Filed Nov. 23, 1949. (Sec. 2f.)

MOONLINES

Applicant claims ownership of Registration No. 377,296.
For Masking Device or Stencil for Use in Applying Liquid Polish to Fingernails.
Claims use since Aug. 1, 1930.

Ser. No. 611,939. Morris Struhl Inc., Jersey City, N. J., assignee of Chic, Incorporated. Filed Mar. 29, 1951.

Chic

For Manicure Accessories—Namely, Tweezers, Nail Scissors, Nail Clippers, Toe Nail Nippers, and Cuticle Pushers.
Claims use since Feb. 10, 1951.

Ser. No. 621,912. Leonard R. Snowden, doing business as Snowden Instrument Company, Los Gatos, Calif. Filed Nov. 30, 1951.



The words "Trade-Mark," "Ochsner," "Needle Holder," "Jaw" and the representation of the jaw shown on the drawing are disclaimed apart from the mark as shown.

For Surgical Needle Holders and Precision Fitted Jaw Inserts Therefor.
Claims use since March 1951.

Ser. No. 622,168. Ortho Pharmaceutical Corporation, Raritan, N. J. Filed Dec. 6, 1951.



Applicant claims ownership of Registrations Nos. 387,080, 390,141, and others.

For Rubber Vaginal Diaphragms, Diaphragm Introducers, Vaginal Applicators, and Zippered Bag Containing a Pessary and Vaginal Creams and Jellies.
Claims use since Sept. 19, 1949.

Ser. No. 622,176. Caryl Richards, Inc., Brooklyn, N. Y. Filed Dec. 6, 1951.

Rocket Wave

The word "Wave" is disclaimed apart from the mark as shown in the drawing.

For Complete Permanent Wave Units Primarily for Use in Beauty Salons.

Claims use since May 1950.

666 O. G.—43

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 547,724. G. Giovino Company, Boston, Mass. Filed Jan. 22, 1948.

DOUBLE G BRAND

Applicant disclaims the word "Brand" separately from the entire mark as shown.

For Canned Vegetables, Canned Fruits, Chili Sauce, Canned Fish, Canned Tomato Juice, Gelatine, Baked Beans, Fruit Jams and Jellies, Olives, Spaghetti Meat Sauce, Canned Berries, Canned Fruit Cocktail, Pickles, Peanut Butter, Cocoa, Mayonnaise, and Soups.
Claims use since 1915.

Ser. No. 598,921. Minder Bros. Meat Supply Co., Seattle, Wash. Filed June 10, 1950.



For Frozen Layer Steaks.
Claims use since Feb. 28, 1950.

Ser. No. 613,730. Leo Peters, Evanston, Ill. Filed May 10, 1951.

BUTTER BALL

Applicant claims ownership of Registration No. 378,438.
For Ice Cream, Frozen Custard, Sherbet, and Cheese.
Claims use since Apr. 1, 1951.

Ser. No. 614,970. Staley Milling Company, North Kansas City, Mo. Filed June 8, 1951.

"TWINS"

For Feed Compound Composed of Peanut Meal, Soybean Oil Meal, Cottonseed Meal, Tankage, and Other Ingredients Suitable as a Feed for Hogs.
Claims use since May 24, 1951.

Ser. No. 620,239. Tiedemann & McMorran, Inc., San Francisco, Calif. Filed Oct. 19, 1951. (Sec. 2f.)

Above Par

Applicant claims ownership of Registration No. 292,416.
For Canned Fruits, Canned Berries, Canned Vegetables, Canned Vegetable Juices, Canned Fruit Juices, Canned Fish, Canned Shellfish, Canned Clam Juice, Jams, Jellies, Fruit Preserves, Pickles, Dried Fruits; Sweet Pickle Relish Containing Cucumbers, Onions, Peppers, Sugar, Vinegar, Spices, and Flavoring; Spices, Salad Dressing Containing Vegetable Oil, Eggs, Starch, Salt, Sugar, Vinegar, Spices,

and Monosodium Glutamate, Salad Oil, Olives, Canned Pimientos, Flavoring Extracts for Foods, Vinegar, Table Syrup, Canned Dried Beans, Canned Mexican Style Chili Beans, Tomato Catsup, Tomato Sauce, Cocktail Sauce, Chili Sauce, and Corn Starch.
Claims use since Jan. 2, 1925.

Ser. No. 622,114. Marose Company, Inc., Thomasville, Ga.
Filed Dec. 5, 1951.



For Popcorn, Vegetable Oils, and Popcorn Oil for Deep Fat Cooking, Sautéing, and the Like.
Claims use since September 1945.

Ser. No. 631,969. Alexander Aloff, doing business under the name Chicago Packing Company, Chicago, Ill. Filed June 30, 1952. (Sec. 2f.)

**OCEAN
KING**

Applicant claims ownership of Registration No. 424,807.
For Smoked Dried Boneless Fish.
Claims use since July 18, 1945.

Ser. No. 632,437. Joseph Middleby Jr. Inc., Boston, Mass.
Filed July 11, 1952.

RED PAUL

Applicant disclaims any exclusive right to the use of a red paul as a container for the goods. Applicant claims ownership of Registration No. 85,463.

For Fruit and Cream Pie Fillings, Pastry Fillings, Fruit Jam, Fruit Jelly, Mince Meat, Baking Powder, Cake Mixes, Cookie Mixes, Doughnut Mixes, Food Flavoring Extracts, Imitation Food Flavors, Chocolate and White Fudge Bases for Icings, Glacé Fruits and Peels, Food Colors, and Marshmallows.
Claims use since Jan. 1, 1893.

Ser. No. 632,692. Sakloka Farms, Los Angeles and West Los Angeles, Calif. Filed July 17, 1952.

Blue Mink

For Fresh Vegetables.
Claims use since Apr. 4, 1952.

Ser. No. 633,502. N. V. Biscuit-en Chocoladefabriek "Victoria," doing business as Golden Horn Chocolate Co., Dordrecht, Netherlands. Filed Aug. 5, 1952.



For Candy.
Claims use since 1949; and since 1949 in commerce between Holland and the United States.

Ser. No. 633,503. N. V. Biscuit-en Chocoladefabriek "Victoria," doing business as Golden Horn Chocolate Co., Dordrecht, Netherlands. Filed Aug. 5, 1952.

GOLDEN HORN

For Candy.
Claims use since 1928; and since 1929 in commerce between Holland and the United States.

Ser. No. 634,368. Mark G. Gehlar, doing business as Oregon Fruit Products Co., Salem, Oreg. Filed Aug. 23, 1952.

OREGRO

For Canned Fruits and Canned Berries.
Claims use since July 31, 1952.

Ser. No. 634,369. Mark G. Gehlar, doing business as Oregon Fruit Products Co., Salem, Oreg. Filed Aug. 23, 1952.

orelux

For Canned Fruits and Canned Berries.
Claims use since July 23, 1952.

**CLASS 47
WINES**

Ser. No. 613,080. Paul Masson, Inc., also doing business as Paul Masson and Paul Masson Vineyards, Cupertino, Calif. Filed Apr. 24, 1951.

**TRIPLE
RED**

Applicant disclaims the word "Red" apart from the mark as a whole.
For Red Champagne.
Claims use since Apr. 3, 1951.

CLASS 48**MALT BEVERAGES AND LIQUORS**

Ser. No. 627,587. Mangel-Scheuermann & Oeters, Inc., Philadelphia, Pa., and Brooklyn, N. Y. Filed Apr. 4, 1952.

HYPRO

The drawing is lined for black.
For Syrup Made From Grains With the Addition of Certain Soluble Proteins, and Other Yeast Foods, and Used Principally in the Process of Brewing Beer and Ale.
Claims use since Jan. 27, 1948.

CLASS 51**COSMETICS AND TOILET PREPARATIONS**

Ser. No. 604,471. Consolidated Royal Chemical Corporation, Chicago, Ill. Filed Oct. 5, 1950. (Sec. 2f.)

KOLOR-BAK

Applicant claims ownership of Registration No. 111,737.
For Solution for Artificially Coloring Grey Hair.
Claims use since Feb. 1, 1916.

Ser. No. 622,769. Christian Dior Perfumes Corp., New York, N. Y. Filed Dec. 22, 1951.

Christian Dior

The trade-mark is the name of an individual whose consent to use his name is of record in this case.

For Face and Body Creams, Skin and Hair Lotions, Face and Body Powders, Lipstick, Rouge and Filled Rouge Compacts, Perfumes, Toilet Water, Bath Salts, Tooth Paste, and Mouth Wash.
Claims use since October 1948.

Ser. No. 622,770. Christian Dior Perfumes Corp., New York, N. Y. Filed Dec. 22, 1951.

Diorama

For Perfumes, Toilet Waters, Rouge, Face Powder, Lipstick, Face, Skin and Hand Creams and Lotions, Mascara, Eye Shadow, Brillantine, and Perfumed Sachet.
Claims use since October 1948.

Ser. No. 625,123. Charles K. Pope, Sr., Memphis, Tenn. Filed Feb. 18, 1952.

Tower Isle

For Perfumes.
Claims use since Dec. 15, 1951.

Ser. No. 627,990. Germaine Urban, doing business as Renucel Cosmetics, New York, N. Y. Filed Apr. 11, 1952. (Sec. 2f.)

Mme. Germaine Urban

The lining is to indicate shading.
For Scalp and Hair Cream.
Claims use since July 1946.

Ser. No. 631,152. Edgar Products, Brooklyn, N. Y. Filed June 13, 1952.

glam-cap

The word "Cap," appearing in the drawing, is disclaimed, apart from the trade-mark as shown.
For Hair Treating Article—Namely, a Mesh Head covering impregnated With a Hair Setting Substance.
Claims use since on or about Mar. 1, 1952.

CLASS 52**DETERGENTS AND SOAPS**

Ser. No. 594,375. The Fry Brothers Co., Cincinnati, Ohio. Filed Mar. 22, 1950.

TECHNICLEAN

For Chemical Compounds for Dry Cleaning.
Claims use since Feb. 28, 1950.

Ser. No. 610,607. Abco, Inc., McKeesport, Pa., by change of name from Apter Bros. & Co., Inc. Filed Feb. 28, 1951.

SEPTI-DERM

The expression "Derm" is not claimed apart from the mark as shown.
For Liquid Soap.
Claims use since October 1949.

Ser. No. 615,213. The C. B. Dolge Company, Westport, Conn. Filed June 15, 1951. (Sec. 2f.)

Tilebrite

For Cleaning and Scouring Compound for Tile and Solid Porcelainware.
Claims use since 1931.

Ser. No. 619,018. Haas Miller Corporation, Philadelphia, Pa. Filed Sept. 20, 1951.

NUIDEA

For Liquid Cationic Cleaner for Glassware, Plastics, Ceramics, and Textiles.
Claims use since Aug. 27, 1951.

Ser. No. 629,801. Norman H. Krise, doing business as Roberts Sales Company, Columbus, Ohio. Filed May 16, 1952.

LA VEEZE

For Cleaning Preparation Sold in Concentrated Form, To Be Mixed With Water or Used in Its Original Form, for Use in Cleaning Glass, Painted, Varnished or Tile Surfaces, Rugs and Furniture, and for Use as a Hand Soap.
Claims use since Mar. 24, 1947.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 597,645. Alpha Kappa Alpha Sorority, Chicago, Ill. Filed May 18, 1950. COLLECTIVE MARK.



For Establishing and Maintaining Membership in a National Sorority.
Claims use since on or about Jan. 1, 1922.

CLASS 101

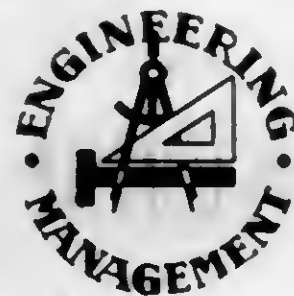
ADVERTISING AND BUSINESS

Ser. No. 602,430. Meyer Both Company, Chicago, Ill., assignee of Western Adamats, Inc. Filed Aug. 18, 1950. (Sec. 2f.)

Lotta Value

For Advertising Services—Namely, the Creation of Advertising Lay-Outs, Copy, Displays, and Art Work, for Food Advertising.
Claims use since Dec. 10, 1948.

Ser. No. 620,456. Anderson-Nichols & Company, Boston, Mass. Filed Oct. 25, 1951.



No exclusive claim is made to the words "Engineering Management" except in the combination shown.
For Coordinated Technical Services to Management in Setting Up Methods, Standards, and Labor Incentive Plans; in Formulating Production and Inventory Control Systems; in Improving Clerical Methods and Cost Accounting Systems; and in Devising Industrial Relation Programs.
Claims use since Jan. 1, 1932.

Ser. No. 627,561. R. R. Donnelley & Sons Company, Chicago, Ill. Filed Apr. 4, 1952. (Sec. 2f as to "R. R. Donnelley & Sons Company.")

R. R. DONNELLEY & SONS COMPANY

"R. R. Donnelley" represents the name Richard R. Donnelley, the founder of applicant corporation.
For Printing, Photoengraving, Lithographing, Type-Setting, and Rotogravure Work.
Claims use since Aug. 27, 1946, as to the mark shown; and since 1890 as to "R. R. Donnelley & Sons Company."

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 577,498. Rudd-Melikian, Inc., Philadelphia, Pa. Filed Apr. 21, 1949.



The term "Kwik" is disclaimed except as used in conjunction with the entire mark. Applicant claims ownership of Registration No. 509,559.
For Repair and Maintenance of Vending Machines.
Claims use since June 1, 1946.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 629,639. V. I. P. Service, Inc., New York, N. Y. Filed May 13, 1952.



No claim is made to the word "Service" and the abbreviation "Inc." apart from the mark as shown.
For Various Services Performed for Clients—Namely, Obtaining Hotel and Travel Accommodations for Clients' Representatives.
Claims use since Sept. 1, 1945.

CLASS 106

MATERIAL TREATMENT

Ser. No. 614,428. R. R. Donnelley & Sons Company, Chicago, Ill. Filed May 28, 1951. (Sec. 2f as to "R. R. Donnelley & Sons.")

R. R. DONNELLEY & SONS COMPANY

"R. R. Donnelley" represents the name of Richard R. Donnelley, the founder of applicant corporation. "Company" is disclaimed apart from the mark as shown.
For Binding of Books, Pamphlets, Catalogues, Magazines, Directories, Advertising Brochures, Legal Briefs and Documents, and All Other Similar Forms of Publications.
Claims use since Aug. 27, 1946, as to the mark shown; and since 1890 as to "R. R. Donnelley & Sons."

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 615,706. Happy Felton Products, Inc., New York, N. Y. Filed June 26, 1951.

TALK TO THE STARS

For Entertainment Service in the Nature of a Television Broadcast Program Consisting of Baseball Playing Proficiency Contests for Amateurs.
Claims use since Apr. 14, 1951.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

- 444,747. Candy. Hawley & Hoops, New York, N. Y., assignor, by mesne assignments, to Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y., a corporation of New York. Filed Oct. 5, 1946, Serial No. 310,316. Published July 8, 1947. Class 46.
- 444,748. Tumblers, Drinking Cups, Bowls, Cocktail and Beverage Shakers, and Coasters, All of Plastic Material. Tupper Plastics, Inc., Farmingtonville, Mass. Filed Dec. 27, 1946, Serial No. 314,920. Published Oct. 17, 1950. Class 2.

ACT OF 1946, PRINCIPAL REGISTER

- 569,346. Preparations Comprised of Salmon Egg Meal, Dehydrated Liver, Etc. Bioproducts Org. Ltd., Warrenton, Ore. Original filed, act of 1905, Mar. 29, 1947; amended to application under act of 1946, Principal Register, May 31, 1949, Serial No. 319,796. Published Oct. 21, 1952. Class 46.
- 569,347. Hand Operated Dollies for Cases and the Like. Cherry-Hurrell Corporation, Chicago, Ill. Original filed, act of 1905, May 22, 1947; amended to application under act of 1946, Principal Register, Aug. 3, 1951, Serial No. 522,823. Published Sept. 16, 1952. Class 19.
- 569,348. Phonographic Styluses. Electric & Musical Industries Limited, Hayes, Middlesex, England. Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, July 10, 1950, Serial No. 524,964. Published Oct. 28, 1952. Class 36.
- 569,349. Automatic Governors for Precise Regulation of the Speed of Prime Movers and Accessories, Etc. Woodward Governor Company, Rockford, Ill. Filed July 18, 1947, Serial No. 528,903. Published Sept. 30, 1952. Class 23.
- 569,350. Water, Damp, and Leakproof Coating of an Adhesive Cement Nature, and a Primer of an Adhesive Cement Nature. The North American Mogul Products Company, Cleveland, Ohio, assignee of The North American Fibre Products Company. Filed Nov. 12, 1947, Serial No. 540,856. Published Oct. 14, 1952. Class 12.
- 569,351. Canned Vegetables, Fruits, Fruit Juice, Olives, Table Syrup, Beans With Pork, Ravioli, Sardines, Tuna, Crabmeat, Shrimp, Clams, and Salmon. Wellman-Peck & Co., San Francisco, Calif. Filed Dec. 10, 1947, Serial No. 544,013. Published Feb. 12, 1952. Class 46.
- 569,352. Candles. Sanborn Hermanos, S. A., Mexico City, Mexico. Filed Mar. 8, 1948, Serial No. 551,477. Published Oct. 28, 1952. Class 46.
- 569,353. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business under the style name of The Lamar Flour Mills, Lamar, Colo. Filed Mar. 17, 1948, Serial No. 552,125. Published Nov. 4, 1952. Class 46.
- 569,354. Manually Operated Valves Controlling Gaseous or Liquid Fuel, Etc. General Controls Co., Glendale, Calif. Filed Apr. 5, 1948, Serial No. 553,841. Published July 1, 1952. Class 13.
- 569,355. Water Pumping Systems for Deep Wells and Shallow Wells, Pumps and Pressure Tanks, Sold as a Unit, and Parts Thereof, for Home, Farm, and Industrial Use. Berkeley Pump Company, Berkeley, Calif. Filed May 7, 1948, Serial No. 556,394. Published Oct. 7, 1952. Class 23.
- 569,356. Foundry Supplies, Comprising Moulding Machines—Namely, Jolt, Roll-Over, Squeeze, Etc. The Osborn Manufacturing Company, Cleveland, Ohio. Filed Jan. 7, 1948, Serial No. 556,896. Published Aug. 26, 1952. Class 23.
- 569,357. Fountain Pens and Pencils. Alfca Manufacturing Corporation, New York, N. Y. Filed June 9, 1948, Serial No. 558,767. Published Oct. 14, 1952. Class 37.
- 569,358. Wheat Flour. Lone Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc. Filed July 9, 1948, Serial No. 561,011. Published Oct. 28, 1952. Class 46.
- 569,359. Hand Operated Mechanical Paint Stripping Tool in the Nature of a Receptacle Having a Nozzle and Roller Tip in Combination With an Adjustable Valve Which Controls the Flow of Paint. Sears, Roebuck and Co., Chicago, Ill. Filed July 15, 1948, Serial No. 561,503. Published Oct. 14, 1952. Class 23.
- 569,360. Corn Meal and Hominy Grits. The Russell Company, Jackson, Miss., doing business under the style name of Meridian Grain and Elevator Company, Meridian, Miss., assignor to Meridian Grain & Elevator Company, Inc., Meridian, Miss., a corporation of Mississippi. Filed July 21, 1948, Serial No. 561,862. Published Nov. 4, 1952. Class 46.
- 569,361. Canned Tomato Juice. The Nasa Corporation of Indiana, Portland, Ind. Filed July 28, 1948, Serial No. 562,386. Published Nov. 4, 1952. Class 46.
- 569,362. Soybean Oil Meal for Use as Ingredient in Feed for Livestock and Poultry. The Borden Company, New York, N. Y. Filed Aug. 26, 1948, Serial No. 564,187. Published Oct. 21, 1952. Class 46.
- 569,363. Furniture Trimmings and Hardware—Namely, Drawer Pulls, Knobs, Ornaments, Escutcheons, Caster and Leg End Sockets. The Bassick Company, Bridgeport, Conn. Filed Sept. 24, 1948, Serial No. 565,747. Published Oct. 21, 1952. Class 13.
- 569,364. Potato Chips, Pretzels, and Pretzel Sticks. Louis F. Schreibleman, doing business as Honey-Kream Distributing Co., Philadelphia, Pa. Filed Nov. 6, 1948, Serial No. 568,329. Published Oct. 28, 1952. Class 46.

JANUARY 20, 1953

U. S. PATENT OFFICE

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- 569,365. Breakfast Cereals; a Blend of Whole Wheat Flour, Whole Rye, Wheat Bran, and Flax for Use by Bakers; and Bread. Roman Meal Company, Tacoma, Wash. Filed Nov. 12, 1948, Serial No. 568,660. Published July 22, 1952. Class 46.
- 569,366. Shampoo Preparation Which Colors and Blends the Hair as It Shampoos. La Playa Products, Inc., New York, N. Y. Filed Dec. 18, 1948, Serial No. 570,932. Published Oct. 21, 1952. Class 52.
- 569,367. Harrows. Wheeling Corrugating Company, Wheeling, W. Va. Filed Jan. 11, 1949, Serial No. 572,004. Published Sept. 30, 1952. Class 23.
- 569,368. Thermometers. Ruge-De Forest Inc., Cambridge, Mass. Filed Feb. 9, 1949, Serial No. 573,573. Published Aug. 12, 1952. Class 26.
- 569,369. Socket Wrenches; Box Wrenches; Open End Wrenches; Etc. Blackhawk Mfg. Co., Milwaukee, Wis. Filed Apr. 2, 1949, Serial No. 576,511. Published Oct. 14, 1952. Class 23.
- 569,370. Surgical and Medical Instruments, Manicure Instruments, Etc. Midom-Frank Corporation, New York, N. Y. Filed Apr. 2, 1949, Serial No. 576,546. Published May 29, 1951. Class 44.
- 569,371. Chemicals Manufacturer's House Organ Published From Time to Time, Trade Circulars and Related Publications. Allied Chemical & Dye Corporation, New York, N. Y. Filed May 5, 1949, Serial No. 578,248. Published Oct. 28, 1952. Class 36.
- 569,372. Synthetic Resin Decorative Textured Paint Coating Composition. Sicea Soya Paint Co., Inc., Peoria, Ill., assignor, by mesne assignments, to Monarch Paint Company, Inc., Peoria, Ill., a corporation of Illinois. Filed May 24, 1949, Serial No. 579,454. Published Oct. 21, 1952. Class 16.
- 569,373. Septic Tanks Used in Public Health and Sanitation. Wilfred L. Boening, doing business under the assumed name of AAA Sanitation Service Company Laboratories, Ferndale, Mich. Filed June 24, 1949, Serial No. 580,974. Published Oct. 21, 1952. Class 13.
- 569,374. Mimeographs and Parts Thereof. A. B. Dick Company, Chicago, Ill. Filed July 20, 1949, Serial No. 582,215. Published Sept. 9, 1952. Class 23.
- 569,375. Coffee. Thomas J. Webb Company, Chicago, Ill. Filed Aug. 1, 1949, Serial No. 582,810. Published Oct. 21, 1952. Class 46.
- 569,376. Door Strap Hinges, Door Knockers, Mail Plates, Hinges, Knobs, Pulls, Window Sash Lifts, Casement Adjusters, Teanoom Chains, Door Stops, Hooks, Coat and Hat Hooks, Push Plates, Towel Rods, Door Guards, Window Guards, Shelf Brackets, Hasps, Key Escutcheons, Metallic Finishing Washers, Shelf Support Brackets, Door Closers, and Kick Plates. National Brass Company, Grand Rapids, Mich. Filed Aug. 8, 1949, Serial No. 583,165. Published Oct. 21, 1952. Class 13.
- 569,377. Belting for Transmitting Driving Forces From a Driving Member to a Driven Member. New Holland Machine Company, New Holland, Pa. Filed Aug. 16, 1949, Serial No. 583,545. Published Oct. 28, 1952. Class 35.
- 569,378. Corrosive Resisting Asphalt Base Coating, Paint Primers, Paint Coatings for Structural Steel, Varnishes, Paint Enamels, and Baking Enamels. Earl Paint Corporation, Utica, N. Y. Filed Aug. 25, 1949, Serial No. 583,990. Published Oct. 21, 1952. Class 16.
- 569,379. Servicing and Maintenance Tools and Equipment—Namely, Oil Sprayers, Etc. Pacific Airmotive Corporation, Burbank, Calif. Filed Aug. 27, 1949, Serial No. 584,148. Published Sept. 9, 1952. Class 23.
- 569,380. Combination Stopper and Liquid Pouring Device for Pouring Drinks for Use on Bottles. Mort Greene Enterprises, Inc., Los Angeles, Calif. Filed Aug. 29, 1949, Serial No. 584,196. Published Oct. 14, 1952. Class 13.
- 569,381. Printed Publication Circulated Monthly to Executives of Retail, Department, and Other Stores. Nat Gavender, Incorporated, St. Louis, Mo. Filed Sept. 9, 1949, Serial No. 584,617. Published Oct. 28, 1952. Class 38.
- 569,382. Cheese. Frank G. Baker, doing business as Missouri Milk Products, Hermann, Mo. Filed Sept. 13, 1949, Serial No. 584,749. Published Nov. 4, 1952. Class 46.
- 569,383. Metal Tubing; Metal Carpet Strips; Metal Price Tag Mouldings; Etc. Loxit Systems, Inc., Chicago, Ill. Filed Oct. 6, 1949, Serial No. 585,850. Published Oct. 14, 1952. Class 13.
- 569,384. Automotive Engines. Kaiser-Fraser Corporation, Willow Run, Mich. Filed Jan. 30, 1950, Serial No. 591,685. Published Sept. 30, 1952. Class 23.
- 569,385. Wine Vinegar. Ellena Brothers, Etiwanda, Calif. Filed Feb. 13, 1950, Serial No. 592,363. Published Oct. 28, 1952. Class 46.
- 569,386. Hinge Device Made of Fibrous Material—Namely, Paper or Fabric or a Combination Thereof for Use in Loose Leaf Binders. C. B. Gilmore, New York, N. Y. Filed Feb. 16, 1950, Serial No. 592,563. Published Oct. 14, 1952. Class 37.
- 569,387. Eau de Cologne. J. & E. Atkinson Limited, London, England. Filed Feb. 17, 1950, Serial No. 592,596. Published Nov. 4, 1952. Class 51.
- 569,388. Meat Tenderizer in Solid Form, Consisting of Salt, Spices, Dextrose and Vegetable Enzyme Made From the Tropical Papaya Melon. Adolph's Food Products, Los Angeles, Calif. Filed Feb. 27, 1950, Serial No. 593,097. Published Nov. 4, 1952. Class 46.
- 569,389. Toasted Corn Kernels. Albert F. Holloway, doing business under the name and style of Olin Manufacturing Company, Oakland, Calif. Filed Mar. 4, 1950, Serial No. 593,412. Published Nov. 4, 1952. Class 46.
- 569,390. Floor Enamel for Exterior and Interior Use. Sapollin Paints Inc., New York, N. Y. Filed Mar. 28, 1950, Serial No. 594,810. Published Mar. 4, 1952. Class 16.
- 569,391. Candles. O. Y. Karl Fazer A. B., Helsinki, Finland. Filed Mar. 31, 1950, Serial No. 594,960. Published Nov. 4, 1952. Class 46.
- 569,392. Bicycles, Cycle Frames, Handle Bars, Wheels. Comrade Cycle Company Limited, Darlaston, Staffordshire, England. Filed Apr. 3, 1950, Serial No. 595,122. Published Sept. 16, 1952. Class 19.

- 569,393. Bicycles, Cycle Frames, Handle Bars, Wheels. Comrade Cycle Company Limited, Darlaston, Staffordshire, England. Filed Apr. 3, 1950, Serial No. 595,123. Published Sept. 16, 1952. Class 19.
- 569,394. Dried Navy Beans, Uncooked Rice, Shelled Nuts, Dried Fruits, and Candy. Budget Pack, Inc., Los Angeles, Calif. Filed Apr. 21, 1950, Serial No. 596,072. Published Oct. 28, 1952. Class 46.
- 569,395. Floor Mops. The A. S. Harrison Company, South Norwalk, Conn. Filed Apr. 27, 1950, Serial No. 596,421. Published Oct. 7, 1952. Class 29.
- 569,396. Cakes, Pies, Cookies, and French Pastries. Clement's Pastry Shop, Washington, D. C. Filed Apr. 28, 1950, Serial No. 596,481. Published Oct. 21, 1952. Class 46.
- 569,397. Heavy Hardware—Namely, Bolts and Nuts, Nails, Brads, Tacks, Staples, and Screws, Etc. H. M. Sanders Co., Boston, Mass. Filed May 5, 1950, Serial No. 596,952. Published Oct. 14, 1952. Class 13.
- 569,398. Partially Printed Forms for All Kinds of Business Transactions. The Egly Register Company, Dayton, Ohio. Filed May 6, 1950, Serial No. 596,991. Published Oct. 14, 1952. Class 37.
- 569,399. Cellular Plastic Material in Sheet Form Resembling Sponge Rubber. United States Rubber Company, New York, N. Y. Filed June 24, 1950, Serial No. 599,723. Published Apr. 22, 1952. Class 1.
- 569,400. Tubular Coin Wrappers Which When Filled Constitute Rouleaux. The C. L. Downey Company, Hannibal, Mo. Filed June 29, 1950, Serial No. 599,933. Published Oct. 14, 1952. Class 37.
- 569,401. Bed Frames; Bed Head Boards; Hollywood Bed Frames; Adjustable Width Bed Frames; Bed Support Posts; Bed Reinforcing Means—Namely, Center Supports; Divans; Couches; and Mattress and Bed-Spring Display Stands. The Harvard Manufacturing Company, doing business using the name Harvard of Cleveland, Cleveland, Ohio. Filed June 14, 1950, Serial No. 600,008. Published Oct. 28, 1952. Class 32.
- 569,402. Series of Pamphlets Advertising Silverware. Onelda Ltd., Onelda and Sherrill, N. Y. Filed July 15, 1950, Serial No. 600,735. Published Oct. 28, 1952. Class 38.
- 569,403. Canned Pickles and Canned Fruits and Vegetables Not Including Raw Sweet Potatoes. Consolidated Grocers Corporation, Chicago, Ill. Filed July 17, 1950, Serial No. 600,767. Published Oct. 21, 1952. Class 46.
- 569,404. Simulated Leather of Plastic Material Used for Upholstering Purposes. Royal Metal Manufacturing Company, Chicago, Ill. Filed July 17, 1950, Serial No. 600,788. Published Jan. 29, 1952. Class 50.
- 569,405. Preparations To Be Applied to the Hair and Scalp To Stimulate Hair Growth and Condition the Scalp. Alvis R. Smith, Spokane, Wash. Filed July 17, 1950, Serial No. 600,790. Published Oct. 28, 1952. Class 51.
- 569,406. Pumps—Namely, Oil Burner Fuel Pumps Including Fuel Strainers, Etc. Webster Electric Company, Racine, Wis. Filed Aug. 17, 1950, Serial No. 602,352. Published Oct. 21, 1952. Class 23.
- 569,407. Tea and Vinegar. The Pearl Coffee Company, Akron, Ohio. Filed Aug. 28, 1950, Serial No. 602,854. Published May 20, 1952. Class 46.
- 569,408. Sound Boards for Pianos. W. W. Kimball Company, Chicago, Ill. Filed Sept. 1, 1950, Serial No. 603,068. Published Oct. 28, 1952. Class 36.
- 569,409. Weekly Magazine. National Recreation Association, Inc., New York, N. Y. Filed Sept. 14, 1950, Serial No. 603,540. Published Oct. 28, 1952. Class 38.
- 569,410. Candy. James Candy Company, Atlantic City, N. J. Filed Sept. 26, 1950, Serial No. 604,009. Published Nov. 4, 1952. Class 46.
- 569,411. Canned Tomato Paste. Hickmott Cauning Co., Antioch, Calif. Filed Sept. 29, 1950, Serial No. 604,202. Published Aug. 12, 1952. Class 46.
- 569,412. Composition for Cleaning and Restoring the Color of White Sidewall Tires. The Simons Company, Chicago, Ill., now by change of name Simons Company. Filed Sept. 30, 1950, Serial No. 604,276. Published Oct. 21, 1952. Class 52.
- 569,413. Canned or Bottled Deciduous and Citrus Fruit Juices, Canned and Preserved Fruits, Candied Fruit Peel, Flavored Sugar Sauces, and Chutneys. Mynor Pty. Ltd., Mosman, near Sydney, New South Wales, Australia. Filed Sept. 25, 1950, Serial No. 604,558. Published Oct. 28, 1952. Class 46.
- 569,414. Grooved Phonograph Records. Decca Records, Inc., New York, N. Y. Filed Oct. 21, 1950, Serial No. 605,252. Published Oct. 28, 1952. Class 36.
- 569,415. Materials Used in Lithographic and Planographic Printing for Office Duplication—Namely, Coated Paper Lithographic and Planographic Plates, Etc. A. R. Dick Company, Niles, Ill. Filed Oct. 28, 1950, Serial No. 605,549. Published Oct. 14, 1952. Class 37.
- 569,416. Manufactured Truck Bodies, Truck Cabs, "Jeep Tops," Unequipped Fire Truck Bodies, Trailer Bodies, and Moving Van Vehicle Bodies. Brumbaugh Body Company, Altoona, Pa. Filed Nov. 6, 1950, Serial No. 605,942. Published Sept. 16, 1952. Class 19.
- 569,417. Units for Moistening, Dehydrating, Cooling, Sterilizing, Fumigating, and Puffing Organic Products Such as Grain, Meal, and Flour, Etc. Guardite Corporation, Chicago, Ill. Filed Dec. 5, 1950, Serial No. 607,287. Published Sept. 16, 1952. Class 23.
- 569,418. Edible Ice Cream Cones and Cups. Dixie Cone Manufacturing Company, Houston, Tex. Filed Dec. 16, 1950, Serial No. 607,741. Published Oct. 21, 1952. Class 46.
- 569,419. Decalcomania Signs, Printed Creeds, Manuals, Directories, and Rosters, Sold to the Various Units of the Order, and Magazines Published Periodically. Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Filed Dec. 22, 1950, Serial No. 607,990. Published Oct. 28, 1952. Class 38.
- 569,420. Thermoplastic Material That Is Mixed With Ceramic Colors for Screen Printing. B. F. Drakenfeld & Co., Inc., New York, N. Y., and Washington, Pa. Filed Jan. 5, 1951, Serial No. 608,412. Published Oct. 28, 1952. Class 11.
- 569,421. Precision Mechanical Springs—Namely, Coil and Flat Springs, and Wire Shapes, Made to Customer Specifications. Automatic Spring Coiling Co., Chicago, Ill. Filed Jan. 24, 1951, Serial No. 609,157. Published Oct. 28, 1952. Class 13.

- 569,422. Ice Cream and Frozen Confections—Namely, Ice Cream Sandwiches and Chocolate Coated Ice Cream Bars. Coffee County Creamery Inc., doing business as Superior Ice Cream Company, Douglas, Ga. Filed Jan. 24, 1951, Serial No. 609,166. Published Oct. 28, 1952. Class 46.
- 569,423. Magazine Published Periodically. Union Carbide and Carbon Corporation, New York, N. Y. Filed Jan. 25, 1951, Serial No. 609,264. Published June 24, 1952. Class 38.
- 569,424. Canned Condensed Milk and Canned Milk in Powder Form. Fabrique Suisse des Produits au Lait Gulgoos S. A., Vuadens, Canton of Fribourg, Switzerland. Filed Jan. 26, 1951, Serial No. 609,289. Published Oct. 21, 1952. Class 46.
- 569,425. Cookies, Fig Bars, Wafers, and Snacks—Namely, Pretzels, Pretzel Sticks, Cheese-Flavored Crackers, Cheese-Flavored Corn Whirls, Corn Chips, Coconut Chips. Royal Guest Foods, Inc., Los Angeles, Calif. Filed Jan. 26, 1951, Serial No. 609,318. Published Nov. 4, 1952. Class 46.
- 569,426. Motorcycles. "Neue Amag" Automobil- & Motoren A. G., Zurich, Switzerland. Filed Feb. 15, 1951, Serial No. 610,136. Published Sept. 16, 1952. Class 19.
- 569,427. Pallets, Platforms, and Skids for Supporting Articles During Storage and Shipment. Associated Box Corporation, New Castle, Pa. Filed Feb. 16, 1951, Serial No. 610,160. Published Oct. 21, 1952. Class 50.
- 569,428. Raw Pop Corn. Robert L. Berner Company, Chicago, Ill. Filed Feb. 16, 1951, Serial No. 610,161. Published Oct. 21, 1952. Class 46.
- 569,429. House Organs Publicizing the Activities of the Applicant. Commercial Printing & Letter Service Co., Dallas, Tex. Filed Feb. 26, 1951, Serial No. 610,509. Published Oct. 28, 1952. Class 38.
- 569,430. Fruit—Namely, Canned Oranges. Koulouris & Casaretto Co., doing business under the fictitious name of Orlica Trading Company, Los Angeles, Calif. Filed Mar. 5, 1951, Serial No. 610,852. Published Oct. 28, 1952. Class 46.
- 569,431. Automobiles and Their Structural Parts. Chrysler Corporation, Highland Park, Mich. Filed Mar. 16, 1951, Serial No. 611,404. Published Sept. 16, 1952. Class 19.
- 569,432. Canned Foods—Namely, Canned Peppers. Empacadora de Productos Alimenticios La Fortaleza S. A. de C. V., Salamanca City, Guanajuato, Mexico. Filed Mar. 14, 1951, Serial No. 611,933. Published Oct. 28, 1952. Class 46.
- 569,433. Manure Spreaders. A. B. Farquhar Company, York, Pa. Filed Apr. 4, 1951, Serial No. 612,201. Published Sept. 30, 1952. Class 23.
- 569,434. Composition of Olycocyamine and a Methylating Agent Such as Betaine Hydrate in Liquid or Powder Form Useful in the Treatment of Muscular Deficiencies. International Minerals & Chemical Corporation, Chicago, Ill. Filed Apr. 6, 1951, Serial No. 612,331. Published Oct. 28, 1952. Class 18.
- 569,435. Mufflers for Internal Combustion Engines and Parts Thereof—Namely, Tail Pipes, Exhaust Pipes, and Muffler Clamps; Axle and Drive Shafts, Cylinder Heads, Gears, and Pinions. International Parts Corp., Chicago, Ill. Filed Apr. 9, 1951, Serial No. 612,399. Published Oct. 14, 1952. Class 23.
- 569,436. Fur Skins. Irving Stein, Wilkes-Barre, Pa. Filed Apr. 19, 1951, Serial No. 612,876. Published Oct. 28, 1952. Class 1.
- 569,437. Liquid Preparation of Papaya Juice Used to Make Meat Tender. The Griffith Laboratories, Inc., Chicago, Ill. Filed Apr. 28, 1951, Serial No. 612,984. Published Oct. 28, 1952. Class 46.
- 569,438. Motor Driven and Trailer Material-Handling Equipment—Namely, Trucks, Dumping Tractor Trucks, and Motorized Dump Trucks. The Euclid Road Machinery Co., Euclid, Ohio. Filed Apr. 24, 1951, Serial No. 613,060. Published Sept. 16, 1952. Class 19.
- 569,439. Venetian Blind Cleaner. Sears, Roebuck and Co., Chicago, Ill. Filed May 10, 1951, Serial No. 613,735. Published Oct. 28, 1952. Class 52.
- 569,440. Row Boats. Spiegel, Inc., Chicago, Ill. Filed May 22, 1951, Serial No. 614,221. Published Sept. 16, 1952. Class 19.
- 569,441. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich Incorporated, New York, N. Y. Filed June 4, 1951, Serial No. 614,694. Published Oct. 28, 1952. Class 52.
- 569,442. Salt Fish and Frozen Fish. Gorton-Paw Fisheries Company, Ltd., Gloucester Mass. Filed June 6, 1951, Serial No. 614,828. Published Nov. 4, 1952. Class 46.
- 569,443. Frozen Fish. Gorton-Paw Fisheries Company, Ltd., Gloucester, Mass. Filed June 6, 1951, Serial No. 614,829. Published Nov. 4, 1952. Class 46.
- 569,444. Weekly Trade Magazine. Vance, Sanders & Company, Boston, Mass. Filed June 6, 1951, Serial No. 614,858. Published Oct. 28, 1952. Class 38.
- 569,445. Bedroom Dressers, Night Stands, Chests in the Nature of Furniture, Etc. The Sikes Company, Inc., Buffalo, N. Y. Filed June 13, 1951, Serial No. 615,138. Published Oct. 28, 1952. Class 32.
- 569,446. Hand-Operated Compression Sprayers, for Use in Applying Insecticides, Pesticides, Agricultural Chemicals, Whitewash, and Cold Water Paint. H. D. Hudson Manufacturing Company Chicago, Ill. Filed June 16, 1951, Serial No. 615,277. Published Sept. 9, 1952. Class 23.
- 569,447. Deflecting Shields for Attachment to a Body Portion of an Automobile, Adjacent a Window or Opening. The Calnevar Company, Los Angeles, Calif. Filed June 19, 1951, Serial No. 615,366. Published Sept. 16, 1952. Class 19.
- 569,448. Photographic Lenses. Ercona Camera Corporation, New York, N. Y. Filed June 20, 1951, Serial No. 615,443. Published Aug. 12, 1952. Class 26.
- 569,449. Dollies and Hand Trucks. Fab-Weld Corporation, Philadelphia, Pa. Filed June 26, 1951, Serial No. 615,694. Published Sept. 16, 1952. Class 19.
- 569,450. Water Softening Agents in Powdered and Liquid Form Without Detergents. Frederick C. Beraworth, Framingham, Mass., assignor to Beraworth Chemical Company, Framingham, Mass., a corporation of Massachusetts. Filed June 29, 1951, Serial No. 615,874. Published Apr. 29, 1952. Class 6.

- 569,451. Liquid Metal Polish and Porcelain Cleaner, Creme Furniture Polish, Cream Silver Polish, and Liquid Wax Polish and Cleaner for Automobiles. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed July 3, 1951, Serial No. 616,009. Published Oct. 28, 1952. Class 4.
- 569,452. Wall Type Towel Dispensers and Parts Thereof. Fricar Mfg. Co. Inc., Schenectady, N. Y.
Filed July 8, 1951, Serial No. 616,164. Published Oct. 21, 1952. Class 13.
- 569,453. Bottle Closures Used Upon Milk Bottles. Standard Cap and Seal Corporation, Chicago, Ill., now by change of name Standard Packaging Corporation.
Filed July 9, 1951, Serial No. 616,251. Published Sept. 16, 1952. Class 50.
- 569,454. Wax—Namely, Polishing, Dance Floor, and Liquid Self-Polishing. Mautz Paint & Varnish Company, Madison, Wis.
Filed July 10, 1951, Serial No. 616,297. Published Oct. 28, 1952. Class 4.
- 569,455. Power Driven Reduction Gear Units for Reducing the Speed of Motors. Philadelphia Gear Works, Inc., Philadelphia, Pa.
Filed July 11, 1951, Serial No. 616,334. Published Sept. 30, 1952. Class 23.
- 569,456. Cocktail Sauce. Sue Ann Food Products Corporation, Chicago, Ill.
Filed July 11, 1951, Serial No. 616,343. Published Oct. 28, 1952. Class 46.
- 569,457. Coin-Operated Soft Drink Dispensing Machines. Practical Products Co., Minneapolis, Minn.
Filed July 12, 1951, Serial No. 616,385. Published Oct. 7, 1952. Class 23.
- 569,458. Table Syrup. The Hubinger Company, Keokuk, Iowa.
Filed July 19, 1951, Serial No. 616,689. Published Nov. 4, 1952. Class 46.
- 569,459. Fresh Fish, Frozen Fish, Cooked Fish, Fish'n Chips, Fish and Shell Fish Salads, and Fish and Shell Fish Chowders. Harold O. Caddell, doing business under the name of Fish Center, Richmond, Calif.
Filed July 20, 1951, Serial No. 616,695. Published Oct. 28, 1952. Class 46.
- 569,460. Periodical Publication. National Comics Publications, Inc., New York, N. Y.
Filed July 28, 1951, Serial No. 617,094. Published Oct. 28, 1952. Class 38.
- 569,461. Monthly Publication. William S. Orkin, doing business as Agenda Club Service, New York, N. Y.
Filed Aug. 1, 1951, Serial No. 617,207. Published Oct. 28, 1952. Class 38.
- 569,462. Wall Type Towel Dispensers and Parts Thereof. Fricar Mfg. Co. Inc., Schenectady, N. Y.
Filed Aug. 2, 1951, Serial No. 617,239. Published Oct. 21, 1952. Class 13.
- 569,463. Men's and Women's Diamond Rings and Women's Diamond Earrings. Brents Jewelers, Oakland, Calif.
Filed Aug. 3, 1951, Serial No. 617,277. Published Nov. 4, 1952. Class 28.
- 569,464. Chewing Gum. Fan Tan Gum Corporation, Dayton, Ohio.
Filed Aug. 7, 1951, Serial No. 617,393. Published Oct. 28, 1952. Class 46.
- 569,465. Non-Woven Cloth-Like Sheet Material in the Nature of Chamols, for Cleaning, Dusting, and Polishing, Sold in the Form of Cut-To-Size Sheets. Mirasham Corporation, Chicago, Ill.
Filed Aug. 7, 1951, Serial No. 617,411. Published Oct. 21, 1952. Class 29.
- 569,466. Paint Application Roller. Star Brush Manufacturing Co., Inc., Boston, Mass.
Filed Aug. 11, 1951, Serial No. 617,590. Published Oct. 28, 1952. Class 29.
- 569,467. Traverse Tracks for Drapery. The Eastern Venetian Blind Company, trading as Eastern Machine Products Co., Baltimore, Md.
Filed Aug. 14, 1951, Serial No. 617,657. Published Oct. 28, 1952. Class 13.
- 569,468. Spaghetti Sauce. Prince Macaroni Manufacturing Company, Lowell, Mass.
Filed Aug. 14, 1951, Serial No. 617,678. Published Sept. 23, 1952. Class 46.
- 569,469. Display Benches, Cabinets, Display Counters, Service Benches, and Service Desks. Natkin & Company, St. Louis, Mo.
Filed Aug. 16, 1951, Serial No. 617,766. Published Oct. 28, 1952. Class 32.
- 569,470. Pillows. Comfort Pillow & Feather Company, Boston, Mass.
Filed Aug. 18, 1951, Serial No. 617,838. Published Oct. 28, 1952. Class 32.
- 569,471. Whipped Cream Mixture Packed in Gas-Charged Cans. National Dairy Products Corporation, New York, N. Y.
Filed Aug. 23, 1951, Serial No. 617,998. Published June 24, 1952. Class 46.
- 569,472. Folding Tables, Folding Chairs, Folding Utility Shelves. P. B. R. Manufacturing Co., Philadelphia, Pa.
Filed Sept. 11, 1951, Serial No. 618,650. Published Oct. 28, 1952. Class 32.
- 569,473. Office Furniture—Namely, Desks, Tables, Chairs, Armchairs, Filing Cabinets, Book-Cases. Societe d'Etudes et de Fabrications d'Articles Modernes d'Organisation (S. E. F. A. M. O.), Les Lilas (Seine), France.
Filed Sept. 13, 1951, Serial No. 618,764. Published Oct. 28, 1952. Class 32.
- 569,474. Glass Display Signs. Beeco, Inc., Chicago, Ill.
Filed Sept. 19, 1951, Serial No. 618,951. Published Oct. 21, 1952. Class 50.
- 569,475. Flue Expanders for Steam Boilers. The J. Faessler Mfg. Co., Moberly, Mo.
Filed Sept. 24, 1951, Serial No. 619,160. Published Nov. 4, 1952. Class 23.
- 569,476. Canned Fruits and Vegetables, Frozen Fruits and Vegetables, Canned Fish, Canned Shell Fish, and Frozen Shell Fish. Parrott & Co., San Francisco, Calif.
Filed Sept. 25, 1951, Serial No. 619,213. Published Oct. 28, 1952. Class 46.
- 569,477. Serving Trays for Tables Made of Earthenware or Porcelain. Rubel & Company Decorative Accessories, Inc., New York, N. Y.
Filed Sept. 28, 1951, Serial No. 619,262. Published Sept. 30, 1952. Class 30.
- 569,478. Air Compressors and Pumps Therefor. Ritter Company, Inc., Rochester, N. Y.
Filed Sept. 28, 1951, Serial No. 619,383. Published Sept. 9, 1952. Class 23.
- 569,479. Rotary Brushes Forming Parts of Industrial Machines, Etc. The Osborn Manufacturing Company, Cleveland, Ohio.
Filed Sept. 29, 1951, Serial No. 619,402. Published Nov. 4, 1952. Class 23.
- 569,480. Wire Screening. Continental Copper & Steel Industries, Inc., New York, N. Y.
Filed Oct. 1, 1951, Serial No. 619,449. Published Oct. 14, 1952. Class 13.
- 569,481. Prepared Edible Chocolate. Suchard Holding Societe Anonyme, Lausanne, Switzerland.
Filed Oct. 16, 1951, Serial No. 620,054. Published Nov. 4, 1952. Class 46.
- 569,482. Couplings for Rods and Pipes. Breco Manufacturing Co., Baltimore, Md.
Filed Oct. 17, 1951, Serial No. 620,085. Published Oct. 28, 1952. Class 13.

- 569,483. Valves Used in Hydraulic Control Systems—Namely, Spool-Type Distributing Valves, Pressure Relief Valves, Check Valves, Unloading Valves, Surge Damping Valves, Pilot Operated Distributing Valves. The Denison Engineering Company, Columbus, Ohio.
Filed Nov. 3, 1951, Serial No. 620,838. Published Oct. 28, 1952. Class 13.
- 569,484. Periodical Publication. Electrical Information Publications, Inc., Madison, Wis.
Filed Nov. 14, 1951, Serial No. 621,203. Published Oct. 28, 1952. Class 38.
- 569,485. Hand Tools—Namely, Hammers, Mallets, Mallet Tips, Spark-Twisting Screw Drivers, and Spliner Drivers. Duco Metal Products Co., Chicago, Ill.
Filed Nov. 15, 1951, Serial No. 621,261. Published Oct. 7, 1952. Class 23.
- 569,486. Chemical Flour Bleach. Adrianus Kleijn, trading as Chefaro Chemische Fabriek "Rotterdam," Rotterdam-West, South Holland, Netherlands.
Filed Nov. 26, 1951, Serial No. 621,672. Published Oct. 28, 1952. Class 6.
- 569,487. Liquid Dietary Vitamin Tonic. Mother's Remedies Corporation, Chicago, Ill.
Filed Nov. 30, 1951, Serial No. 621,895. Published Oct. 28, 1952. Class 18.
- 569,488. Analgesic. Abbott Laboratories, North Chicago, Ill.
Filed Dec. 7, 1951, Serial No. 622,190. Published Oct. 28, 1952. Class 18.
- 569,489. Welded Metal Mesh Fabric. Keystone Steel and Wire Company, Peoria, Ill.
Filed Dec. 8, 1951, Serial No. 622,261. Published Oct. 14, 1952. Class 13.
- 569,490. Cigarette Lighters and Flints Therefor, Cigarette Cases, Cigarette and Lighter Case Combinations, Smoking Pipes, Cigarette Holders, and Ash Trays. Belgo Canadian Mfg. Co. Ltd., Montreal, Quebec, Canada.
Filed Dec. 10, 1951, Serial No. 622,290. Published Oct. 28, 1952. Class 8.
- 569,491. Antacid for Treatment of Stomach Ulcers and Related Complaints. The Superior Pharmacal Co., Dayton, Ohio.
Filed Dec. 11, 1951, Serial No. 622,365. Published Oct. 28, 1952. Class 18.
- 569,492. Potatoes in Their Natural State. Tropical Agriculture Co-Operative Association, doing business as Farsouth Growers Co-Operative Assc., Goulds, Fla.
Filed Dec. 14, 1951, Serial No. 622,517. Published Oct. 28, 1952. Class 46.
- 569,493. Potatoes in Their Natural State. Tropical Agriculture Co-Operative Association, doing business as Farsouth Growers Co-Op Ass'n., Goulds, Fla.
Filed Dec. 14, 1951, Serial No. 622,518. Published Oct. 28, 1952. Class 46.
- 569,494. Sodium Hypochlorite Solution for Use in Washing Clothes, the General Cleaning of Wood, Glass, Linoleum, Porcelain, and Vitreous China Surfaces, and Having Cleansing, Bleaching, Stain Removing, Disinfecting, and Deodorizing Properties. Gardiner Manufacturing Company, Inc., Buffalo, N. Y.
Filed Dec. 15, 1951, Serial No. 622,535. Published Oct. 28, 1952. Class 52.
- 569,495. Fresh Frozen Vegetables. California & Washington Co., San Francisco, Calif.
Filed Dec. 15, 1951, Serial No. 622,527. Published Nov. 4, 1952. Class 46.
- 569,496. Fresh Peas. San Diego Fruit & Produce Company, San Diego, Calif.
Filed Dec. 17, 1951, Serial No. 622,623. Published Nov. 4, 1952. Class 46.
- 569,497. Shade Designed To Hold Eye Pads. Helen Lambeck Schmierer, trading as Soolhee-Shade Company, Maple Shade, N. J.
Filed Dec. 28, 1951, Serial No. 622,959. Published Oct. 28, 1952. Class 44.
- 569,498. Fresh Grapes, Plums, Cherries, Peaches, Nectarines, and Olive Oil. Anthony A. Bianco, Inc., New York, N. Y., and Fresno, Calif.
Filed Sept. 27, 1951, Serial No. 619,289. Published Nov. 4, 1952. Class 46.
- 569,499. Presses for Drawing Metals. Hydropress, Inc., New York, N. Y.
Filed Jan. 8, 1952, Serial No. 623,305. Published Oct. 7, 1952. Class 23.
- 569,500. Soap. Ferd. Mulhens, Inc., New York, N. Y.
Filed Jan. 9, 1952, Serial No. 623,360. Published Oct. 28, 1952. Class 52.
- 569,501. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Jan. 11, 1952, Serial No. 623,462. Published Nov. 4, 1952. Class 27.
- 569,502. Fruit Preserves, Jelly, and Pickle Relish. Bagwell Preserving Company, Inc., Nashville, Tenn.
Filed Jan. 16, 1952, Serial No. 623,640. Published Nov. 4, 1952. Class 46.
- 569,503. Photographic Cameras, Color Filters, Close Up Lenses, Lens Shades, and Softfocus Lenses. Erich Student, doing business as "Studlophot," Cleveland, Ohio.
Filed Jan. 16, 1952, Serial No. 623,690. Published Aug. 12, 1952. Class 26.
- 569,504. Motion Picture Cameras. Bell & Howell Company, Chicago, Ill.
Filed Jan. 18, 1952, Serial No. 623,745. Published Aug. 12, 1952. Class 26.
- 569,505. Bracelets. Dagmar Hammond, New York, N. Y.
Filed Jan. 22, 1952, Serial No. 623,885. Published Nov. 4, 1952. Class 28.
- 569,506. Infants' Disassembled Furniture Comprising Toilet Seat and Pan and Base for Infants, and Step Ladder for Infants. The Toldey Company, Gertrude A. Muller, Inc., Fort Wayne, Ind.
Filed Jan. 16, 1952, Serial No. 623,934. Published Oct. 28, 1952. Class 32.
- 569,507. Stoppers for Vacuum and Other Bottles. Moeller Mfg. Co., Inc., Racine, Wis.
Filed Jan. 23, 1952, Serial No. 623,976. Published Oct. 7, 1952. Class 50.
- 569,508. Dispensers for Detergents and Soaps Designed To Be Affixed to Walls or Other Surfaces. The Davies-Young Soap Company, Dayton, Ohio.
Filed Jan. 24, 1952, Serial No. 624,027. Published Oct. 21, 1952. Class 13.
- 569,509. Newspaper Column Published Daily. United Feature Syndicate, Inc., New York, N. Y.
Filed Jan. 24, 1952, Serial No. 624,063. Published Oct. 28, 1952. Class 38.
- 569,510. Bamboo Roll-Up Blinds for Windows. Trade Wind Importing Co., Mount Vernon, N. Y.
Filed Jan. 26, 1952, Serial No. 624,166. Published Oct. 28, 1952. Class 32.
- 569,511. Ready Mixed Colorants. Rockford Paint Manufacturing Co., Rockford, Ill.
Filed Jan. 30, 1952, Serial No. 624,300. Published Oct. 21, 1952. Class 16.
- 569,512. Shampoo Preparation for Dogs and for Other Pet Animals. Show Dog Products, Chicago, Ill.
Filed Jan. 30, 1952, Serial No. 624,308. Published Oct. 28, 1952. Class 52.
- 569,513. Water Softening Agents in Powdered and Liquid Form With Detergents. Bersworth Chemical Company, Framingham, Mass.
Filed Feb. 1, 1952, Serial No. 624,386. Published Oct. 14, 1952. Class 32.
- 569,514. Flush Valves and Parts Thereof Consisting of Diaphragms, Tilting Valves, Washers, Handle Actuators, and Handle Sealing Units. Coyne & Delany Co., Brooklyn, N. Y.
Filed Feb. 1, 1952, Serial No. 624,397. Published Oct. 14, 1952. Class 13.

- 569,513. Cigars. T. E. Brooks & Co., Red Lion, Pa.
Filed Feb. 2, 1952, Serial No. 624,444. Published Oct. 28, 1952. Class 17.
- 569,516. Reticular Metallic Base Covered With Cellulose-Derivative Film Used as a Substitute for Glass. Arvey Corporation, Chicago, Ill.
Filed Feb. 8, 1952, Serial No. 624,672. Published Oct. 21, 1952. Class 50.
- 569,517. Flat Glass, Plate Glass, Sheet Glass, Glass Tubes and Rods, Glass Table Ware, Glass Jars, Glass Bottles, Glass Vases, Glass Barware, Glass Console Sets, Glass Flasks, and Double Corrugated Glass. Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden.
Filed Feb. 12, 1952, Serial No. 624,802. Published Oct. 28, 1952. Class 33.
- 569,518. Pearl Necklaces. Joseph H. Meyer Bros., Brooklyn, N. Y.
Filed Feb. 13, 1952, Serial No. 624,891. Published Nov. 4, 1952. Class 28.
- 569,519. Fresh, Frozen, Salted, Smoked, and Dried Fish. J. W. Nicholls Co. Ltd., Vancouver, British Columbia, Canada.
Filed Feb. 13, 1952, Serial No. 624,895. Published Nov. 4, 1952. Class 46.
- *569,520. Dining and Dinette Tables and Chairs, and Plastic Overlays and Tops for Such Tables. Meler & Pohlmann Furniture Company, St. Louis, Mo.
Filed Feb. 18, 1952, Serial No. 625,115. Published Oct. 28, 1952. Class 32.
- 569,521. Liquid Soap. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,169. Published Oct. 28, 1952. Class 52.
- 569,522. Table Tops, Cabinet Tops, and Counter Tops. C. A. Schofield, doing business under the name and style of C. A. Schofield Co., Philadelphia, Pa.
Filed Feb. 21, 1952, Serial No. 625,370. Published Oct. 28, 1952. Class 32.
- 569,523. Fresh Vegetables. Robert D. Saunders, doing business as Bob Saunders Co., Watsonville, Calif.
Filed Feb. 26, 1952, Serial No. 625,545. Published Oct. 28, 1952. Class 46.
- 569,524. Cut Glass Tableware. W. J. Hughes & Sons "Corn Flower" Limited, Toronto, Ontario, Canada.
Filed Feb. 28, 1952, Serial No. 625,673. Published Nov. 4, 1952. Class 33.
- 569,525. Mattresses. Eclipse Sleep Products Inc., Brooklyn, N. Y.
Filed Mar. 4, 1952, Serial No. 625,894. Published Oct. 28, 1952. Class 32.
- 569,526. Wrist Watches, Pocket Watches, Watch Cases, Watch Movements, and Parts Thereof. J. Kalberman Company, New York, N. Y.
Filed Mar. 4, 1952, Serial No. 625,905. Published Nov. 4, 1952. Class 27.
- 569,527. Gloves for Women. Julius Kayser & Co., New York, N. Y.
Filed Mar. 4, 1952, Serial No. 625,907. Published Oct. 21, 1952. Class 39.
- 569,528. Book Cases, Book Shelves, Cheats for Clothing and Linens, Etc. Salmanson & Co., Inc., New York, N. Y.
Filed Mar. 6, 1952, Serial No. 626,054. Published Oct. 28, 1952. Class 32.
- 569,529. Printed Publications Issued Periodically and Pamphlets or Sheets Issued From Time To Time. Koppers Company, Inc., Pittsburgh, Pa.
Filed Mar. 7, 1952, Serial No. 626,087. Published Oct. 28, 1952. Class 38.
- 569,530. Supports Adapted To Be Applied to Beds and the Like To Elevate Bed Covering and Thereby Relieve Pressure Thereof From the Bed Occupant. Anne Minor Fowlkes, doing business as Minor Fowlkes, East Orange, N. J.
Filed Mar. 11, 1952, Serial No. 626,237. Published Oct. 28, 1952. Class 32.
- 569,531. Fly Swatters. U. S. Manufacturing Corporation, Decatur, Ill.
Filed Mar. 11, 1952, Serial No. 626,274. Published Oct. 21, 1952. Class 50.
- 569,532. Roofing Shingles. The Flintkote Company, New York, N. Y.
Filed Mar. 15, 1952, Serial No. 626,502. Published Oct. 14, 1952. Class 12.
- 569,533. Asbestos Cement Shingles. The Flintkote Company, New York, N. Y.
Filed Mar. 15, 1952, Serial No. 626,504. Published Oct. 14, 1952. Class 12.
- 569,534. Cheese. Lekas & Drivas, Inc., New York, N. Y.
Filed Mar. 15, 1952, Serial No. 626,515. Published Oct. 28, 1952. Class 46.
- 569,535. Toothbrushes. I. Sekine Company, Inc., New York, N. Y.
Filed Mar. 19, 1952, Serial No. 626,709. Published Oct. 28, 1952. Class 29.
- 569,536. Table Syrup. Southeastern Syrup Company, Jackson, Tenn.
Filed Mar. 20, 1952, Serial No. 626,757. Published Oct. 28, 1952. Class 46.
- 569,537. Department in a Periodical Publication. The Parents' Institute, Inc., New York, N. Y.
Filed Mar. 21, 1952, Serial No. 626,820. Published Oct. 28, 1952. Class 38.
- 569,538. Magazine Published Quarterly. The Parents' Institute, Inc., New York, N. Y.
Filed Mar. 21, 1952, Serial No. 626,821. Published Oct. 28, 1952. Class 38.
- 569,539. Coffee. Scandinavian Coffee Corp., Brooklyn, N. Y.
Filed Mar. 21, 1952, Serial No. 626,828. Published Oct. 28, 1952. Class 46.
- 569,540. Periodical Published at Regular Intervals. The Great Books Foundation, Chicago, Ill.
Filed Mar. 22, 1952, Serial No. 626,875. Published Oct. 28, 1952. Class 38.
- 569,541. Studio Couches, Studio Beds, Sofa Beds and Convertible Couches, Mattresses, and Box Springs. The Englander Company, Inc., Chicago, Ill.
Filed Mar. 24, 1952, Serial No. 626,937. Published Oct. 28, 1952. Class 32.
- 569,542. Plumbing Drainage Products—Namely, Traps, Drains, Drain Heads, Strainers and Covers, Valves, Separators and Interceptors, T's and L's, Closet Fittings, Reducers, Unions, Sumps and Covers, Clean-outs and Plugs, Drip Sinks, Etc. Norman Boosey Manufacturing Company, Racine, Wis.
Filed Mar. 26, 1952, Serial No. 627,043. Published Oct. 21, 1952. Class 13.
- 569,543. Ladies', Women's, and Misses' Undergarments—Namely, Brassieres, Step-In Underdrawers, Girdles, Panties, and Bandeaux. Divineform Brassiere Co., Inc., New York, N. Y.
Filed Mar. 26, 1952, Serial No. 627,050. Published Oct. 21, 1952. Class 39.
- 569,544. Bread, Biscuits, and Crackers. Roman Meal Company, Tacoma, Wash.
Filed Mar. 26, 1952, Serial No. 627,088. Published Oct. 28, 1952. Class 46.
- 569,545. Bread, Biscuits, Cookies, and Crackers. Roman Meal Company, Tacoma, Wash.
Filed Mar. 26, 1952, Serial No. 627,089. Published Oct. 28, 1952. Class 46.

- 569,546. Detergent Cleaning Compound for Cleansing of Tile and Stone Floors. Finger Lakes Chemical Company, Inc., Etna, N. Y.
Filed Mar. 27, 1952, Serial No. 627,124. Published Oct. 28, 1952. Class 52.
- 569,547. Lard. Armour and Company, Chicago, Ill.
Filed Mar. 29, 1952, Serial No. 627,241. Published Oct. 28, 1952. Class 46.
- 569,548. Salad Dressings. Girard's, Inc., San Rafael, Calif.
Filed Mar. 29, 1952, Serial No. 627,260. Published Oct. 28, 1952. Class 46.
- 569,549. Gears, Worms, Wormwheels, Spiral, Spur, and Bevel Gears, Sprockets for Roller and Silent Chains, Gear Pumps, Screw Pumps, and Gear Couplings. Sier-Bath Gear and Pump Co., Inc., North Bergen, N. J.
Filed Mar. 6, 1952, Serial No. 627,305. Published Oct. 14, 1952. Class 23.
- 569,550. Petroleum Oils for Plasticizing, Softening, and Extending Polymeric Materials. Phillips Chemical Company, Bartlesville, Okla.
Filed Mar. 31, 1952, Serial No. 627,353. Published Oct. 28, 1952. Class 8.
- 569,551. Soap Flakes in Packages and Soap in Bars. John Hanser, Jr., doing business under the name of John Hanser Soap Co., Milwaukee, Wis.
Filed Apr. 1, 1952, Serial No. 627,389. Published Oct. 28, 1952. Class 52.
- 569,552. Chemical Flux for Use in Welding Processes. Eutectic Welding Alloys Corporation, Flushing, N. Y.
Filed Apr. 2, 1952, Serial No. 627,428. Published Oct. 28, 1952. Class 6.
- 569,553. Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, or Metal Foil. Fruit Products Corporation, New York, N. Y.
Filed Apr. 2, 1952, Serial No. 627,433. Published Oct. 28, 1952. Class 2.
- 569,554. Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, or Metal Foil. Fruit Products Corporation, New York, N. Y.
Filed Apr. 2, 1952, Serial No. 627,435. Published Oct. 28, 1952. Class 2.
- 569,555. Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, or Metal Foil. Fruit Products Corporation, New York, N. Y.
Filed Apr. 2, 1952, Serial No. 627,439. Published Oct. 28, 1952. Class 2.
- 569,556. Cold Frames and Hot Beds for Plants and Flowers. Old Copper Mine Farms Inc., Warrenville, N. J.
Filed Apr. 2, 1952, Serial No. 627,458. Published Oct. 28, 1952. Class 50.
- 569,557. Toy Model Boat. Stanley S. Sayres, doing business as Seattle Speed Boat Co., Seattle, Wash.
Filed Apr. 2, 1952, Serial No. 627,463. Published Oct. 28, 1952. Class 22.
- 569,558. Canned Vegetables. D. E. Foote & Co. Incorporated, Baltimore, Md.
Filed Apr. 4, 1952, Serial No. 627,566. Published Oct. 28, 1952. Class 46.
- 569,559. Canned Vegetables. D. E. Foote & Co. Incorporated, Baltimore, Md.
Filed Apr. 4, 1952, Serial No. 627,568. Published Oct. 28, 1952. Class 46.
- 569,560. Canned Vegetables. D. E. Foote & Co. Incorporated, Baltimore, Md.
Filed Apr. 4, 1952, Serial No. 627,569. Published Oct. 28, 1952. Class 46.
- 569,561. Decorative Linens—Namely, Table Cloths and Napkins, Towels, Dollies, Furniture Scarfs. Adolph A. Katz, doing business under the name A. Katz, New York, N. Y.
Filed Apr. 4, 1952, Serial No. 627,579. Published Oct. 28, 1952. Class 42.
- 569,562. Wax of Petroleum Origin. Petroleum Specialties, Inc., New York, N. Y.
Filed Apr. 4, 1952, Serial No. 627,598. Published Oct. 28, 1952. Class 15.
- 569,563. Coffee. Southland Coffee Company, Atlanta, Ga.
Filed Apr. 4, 1952, Serial No. 627,605. Published Oct. 28, 1952. Class 46.
- 569,564. Dolls. National Mask and Puppet Corporation, Brooklyn, N. Y.
Filed Apr. 5, 1952, Serial No. 627,636. Published Oct. 28, 1952. Class 22.
- 569,565. Plastic Film for Use as a Fabric Substitute. Main Street Fashions, Inc., New York, N. Y.
Filed Apr. 8, 1952, Serial No. 627,758. Published Oct. 28, 1952. Class 42.
- 569,566. Books. Book Club Associates, Inc., Garden City, N. Y.
Filed Apr. 4, 1952, Serial No. 627,791. Published Oct. 28, 1952. Class 38.
- 569,567. Department or Section of a Periodical Publication. Weekly Publications, Inc., New York, N. Y.
Filed Apr. 11, 1952, Serial No. 627,992. Published Oct. 28, 1952. Class 38.
- 569,568. Staples Used for Fastening Papers, Cardboard, Fabrics and Light Gauge Metal Together, Also for Fastening Papers, Cardboard, Fabrics and Light Gauge Metal on to Wood. Markwell Manufacturing Co., Inc., New York, N. Y.
Filed Apr. 12, 1952, Serial No. 628,004. Published Oct. 14, 1952. Class 13.
- 569,569. Toilet Seats. The Associated Merchandising Corporation, New York, N. Y.
Filed Apr. 14, 1952, Serial No. 628,030. Published Oct. 14, 1952. Class 13.
- 569,570. Detergent Shampoo, Lanolin Cream Shampoo, Liquid Castile Shampoo, Cream Shampoo, Shampoos (Liquid), Pine Tar Shampoo, Soapless Shampoo (Liquid), Liquid Tar Shampoo, and Hair Coloring Shampoos. Gold Medal Hair Products Inc., Brooklyn, N. Y.
Filed Apr. 16, 1952, Serial No. 628,153. Published Oct. 28, 1952. Class 52.
- 569,571. Photo Prints. Paramount-Florida Photo Service, Inc., doing business as Sun Photo Service, Jacksonville, Fla.
Filed Apr. 16, 1952, Serial No. 628,185. Published Oct. 28, 1952. Class 38.
- 569,572. Liquid Adhesive. A. W. Kellogg, Long Beach, Calif.
Filed Apr. 17, 1952, Serial No. 628,210. Published Oct. 28, 1952. Class 5.
- 569,573. Magazine Published Quarterly. Ziff-Davis Publishing Company, Chicago, Ill.
Filed Apr. 18, 1952, Serial No. 628,317. Published Oct. 28, 1952. Class 38.
- 569,574. Waste-Water-Outlet Cover Plates. Crane Co., Chicago, Ill.
Filed Apr. 19, 1952, Serial No. 628,346. Published Oct. 21, 1952. Class 13.
- 569,575. Medical Preparations for the Treatment of Hypertension and Angina Pectoris. Chicott Laboratories, Inc., Morris Plains, N. J.
Filed Apr. 22, 1952, Serial No. 628,468. Published Oct. 28, 1952. Class 18.
- 569,576. Monthly Booklet. Columbia Records Inc., Bridgeport, Conn.
Filed Apr. 22, 1952, Serial No. 628,469. Published Oct. 28, 1952. Class 38.

- 569,577. Weekly Periodical. Cue Publishing Co., Inc., New York, N. Y.
Filed Apr. 22, 1952, Serial No. 628,474. Published Oct. 28, 1952. Class 38.
- 569,578. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J.
Filed Apr. 26, 1952, Serial No. 628,756. Published Oct. 28, 1952. Class 42.
- 569,579. Detergents for Laundry and Kitchen Use. Max A. Gurvich, doing business as Pacific Chemical Manufacturing Co., Seattle, Wash.
Filed Apr. 26, 1952, Serial No. 628,760. Published Oct. 28, 1952. Class 52.
- 569,580. Detergents for Dish and Glasswashing, Laundering, Surface Cleaning and the Like, and/or Soaps. Los Angeles Soap Company, Los Angeles, Calif.
Filed Apr. 26, 1952, Serial No. 628,769. Published Oct. 28, 1952. Class 52.
- 569,581. Laxative Preparations. Westminster Laboratories Limited, London, England.
Filed Apr. 26, 1952, Serial No. 628,800. Published Oct. 28, 1952. Class 18.
- 569,582. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J.
Filed Apr. 29, 1952, Serial No. 628,854. Published Oct. 28, 1952. Class 42.
- 569,583. Textile Fabrics in the Piece of Nylon, Rayon, and Combinations Thereof. Sandess Manufacturing Co., Philadelphia, Pa.
Filed Apr. 29, 1952, Serial No. 628,879. Published Oct. 28, 1952. Class 42.
- 569,584. Sudsing Detergent for Glasses and Disks. Soap Specialties, Inc., Philadelphia, Pa.
Filed Apr. 30, 1952, Serial No. 628,966. Published Oct. 28, 1952. Class 52.
- 569,585. Acrylic Cement in the Nature of a Heavy Bodied, All Purpose Cement for Binding Glass, Metal, Plastic, Masonry, and Wood. Otto E. Stelzer, German Township, St. Joseph County, Ind.
Filed Apr. 30, 1952, Serial No. 628,968. Published Oct. 28, 1952. Class 5.
- 569,586. Preparation for Cleaning the Hands. Bascom Lay, doing business under the name of L. & H. Chemical Laboratories, Nashville, Ark.
Filed May 1, 1952, Serial No. 629,029. Published Oct. 28, 1952. Class 52.
- 569,587. Corrugated Paper Beverage Cases. Fort Wayne Corrugated Paper Company, Fort Wayne, Ind.
Filed May 2, 1952, Serial No. 629,103. Published Nov. 4, 1952. Class 2.
- 569,588. Drawing Oil. Metal Lubricants Co., Chicago, Ill.
Filed May 3, 1952, Serial No. 629,174. Published Nov. 4, 1952. Class 15.
- 569,589. Drawing Compounds for Tubes, Rods, Wires, and the Like. Nopco Chemical Company, Harrison, N. J.
Filed May 3, 1952, Serial No. 629,178. Published Nov. 4, 1952. Class 15.
- 569,590. Fruit Jams and Jellies. Alice Love Products Co., Portland, Oreg.
Filed May 3, 1952, Serial No. 629,209. Published Oct. 28, 1952. Class 46.
- 569,591. Low-Calorie Chocolate-Flavored Pudding for Restricted Diets. Charles Killgore Company, Inc., Yonkers, N. Y.
Filed May 6, 1952, Serial No. 629,245. Published Oct. 28, 1952. Class 46.
- 569,592. Pickles, Candied Dill Strips, Sweet Relish, Gherkins, Pickled Onions, India Relish, Sweet Mixed Relish, and Candied Pickles. Brown-Miller Co., New Orleans, La.
Filed May 20, 1952, Serial No. 629,930. Published Nov. 4, 1952. Class 46.
- 569,593. Woolen Piece Goods. Miron Mills, Incorporated, Clinton, Mass.
Filed May 24, 1952, Serial No. 630,197. Published Sept. 30, 1952. Class 42.
- 569,594. Sterling Silver and Sterling Silver Mounted Flatware and Table Cutlery. Towle Manufacturing Company, Newburyport, Mass.
Filed May 24, 1952, Serial No. 630,240. Published Nov. 4, 1952. Class 28.
- 569,595. Piece Goods of Wool, Cotton, Rayon, Silk, and/or Nylon or Combinations Thereof. United Merchants and Manufacturers, Inc., New York, N. Y.
Filed June 14, 1952, Serial No. 631,228. Published Oct. 28, 1952. Class 42.
- 569,596. Printed and Transfer Patterns for Garments, Needlework, and Novelties. McCall Corporation, New York, N. Y.
Filed June 26, 1952, Serial No. 631,455. Published Oct. 28, 1952. Class 26.

Service Marks

- 569,597. Rental, Maintenance, and Repair of Compressed Gas Producing and Handling Apparatus, Electric and Gas Welding and Cutting Equipment. National Cylinder Gas Company, Chicago, Ill.
Filed Jan. 30, 1948, Serial No. 548,386. Published Oct. 28, 1952. Class 103.
- 569,598. Travel Services—Namely, Arranging Tours for Travelers by Auto, Making Reservations for Travelers, and Conducting Tours for Tourists. Walter C. Rushmore, doing business as American National Travelers Service, Denver, Colo.
Filed Sept. 2, 1949, Serial No. 584,419. Published Oct. 28, 1952. Class 105.
- 569,599. Advertising Food Products, Kitchen Necessities, and Cooking Equipment of Various Manufacturers Through the Medium of Radio Broadcast Programs. Northwest Publications, Inc., St. Paul, Minn.
Filed Jan. 30, 1950, Serial No. 591,090. Published Oct. 28, 1952. Class 101.
- 569,600. Inspection, Maintenance, and Repair Service, Etc. The Hobart Manufacturing Company, Troy, Ohio.
Filed July 28, 1951, Serial No. 617,083. Published Oct. 28, 1952. Class 103.
- 569,601. Delivering Automotive Vehicles by the Drive-away Method. Fugate & Gilton Driveaway Co., Inc., Braill, Ind., and Springfield, Ohio.
Filed Jan. 23, 1952, Serial No. 623,956. Published Oct. 28, 1952. Class 105.
- 569,602. Prescription Service—Namely, Making Spectacles or Eye Glasses or Parts Thereof in Accordance With the Individual Requirements of a Patient Previously Examined. The White-Haines Optical Company, Columbus, Ohio.
Filed Feb. 15, 1952, Serial No. 625,053. Published Oct. 28, 1952. Class 106.
- 569,603. Services Rendered Manufacturers of All Types of Cotton Fabrics, Etc. Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y.
Filed Mar. 4, 1952, Serial No. 625,886. Published Oct. 28, 1952. Class 106.
- 569,604. Radio Program Broadcasting. Booth Radio & Television Stations, Inc., Detroit, Mich.
Filed Apr. 9, 1952, Serial No. 627,798. Published Oct. 28, 1952. Class 104.
- 569,605. Radio Program Broadcasting. Booth Radio & Television Stations, Inc., Detroit, Mich.
Filed Apr. 9, 1952, Serial No. 627,801. Published Oct. 28, 1952. Class 104.

569,606. Electrical Installation Contracting Service and the Repair of Household, Commercial, and Industrial Electrical Installations and Electrical Appliances and Apparatus. Alber Electric Co., Inc., Kansas City, Mo.
Filed Apr. 17, 1952, Serial No. 628,183. Published Oct. 28, 1952. Class 103.

569,607. Radio Program Broadcasting Services. WJW, Inc., Cleveland, Ohio.
Filed Apr. 29, 1952, Serial No. 628,883. Published Oct. 28, 1952. Class 104.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

569,608. (Class 37. Paper and Stationery.) Mid-States Gummed Paper Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 8, 1947; amended to application, Supplemental Register, Mar. 1, 1952, Serial No. 544,640.

569,612. (Class 1. Raw or Partly Prepared Materials.) Plax Corporation, West Hartford, Conn. Original filed, act of 1946, Principal Register, Jan. 13, 1949; amended to application, Supplemental Register, June 30, 1952, Serial No. 572,118.

THE GREEN WRAPPER

PROTECTS YOU

Applicant claims ownership of Registration No. 239,290. For Gummed Papers.
Claims use since Oct. 4, 1926.

569,609. (Class 46. Foods and Ingredients of Foods.) Wallace & Co., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 20, 1948; amended to application, Supplemental Register, July 5, 1951, Serial No. 552,619.

CANDIES

OF CHARACTER

Applicant claims ownership of Registration No. 134,328. For Candies.
Claims use since August 1916.

569,610. (Class 46. Foods and Ingredients of Foods.) 6-O'Clock Foods, Inc., Norristown, Pa., and New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 7, 1948; amended to application, Supplemental Register, June 27, 1952, Serial No. 566,605.

Frost-Quick

For Cake Frosting.
Claims use since Sept. 1, 1948.

569,611. (Class 12. Construction Materials.) General Building Materials, Inc., South Bend, Ind. Original filed, act of 1946, Principal Register, Dec. 13, 1948; amended to application, Supplemental Register, July 30, 1951, Serial No. 570,413.

Ad-a-Bath

For Prefabricated Building Units Adapted for Attachment to Other Buildings To Constitute a Bathroom for Such Other Building.
Claims use since Aug. 15, 1948.

LAYFLAT

For Thin Wall Tubing Formed of Organic Plastic Material for General Use.
Claims use since Apr. 24, 1947.

569,613. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Dualoc Drive, Inc., Rockford, Ill. Original filed, act of 1946, Principal Register, June 20, 1949; amended to application, Supplemental Register, Oct. 2, 1952, Serial No. 580,775.

DUALOC

For Positive Drive Differentials for Motor Vehicles, and Parts Thereof.
Claims use since Feb. 18, 1949.

569,614. (Class 5. Adhesives.) Stocker Manufacturing Company, Netcong, N. J. Original filed, act of 1946, Principal Register, Sept. 30, 1949; amended to application, Supplemental Register, Nov. 5, 1951, Serial No. 585,611.

"From Timber to Tape"

For Sealing Tapes for Cartons and Packages Provided on One Face With an Adhesive or Gummed Surface.
Claims use since Aug. 8, 1949.

569,615. (Class 12. Construction Materials.) North Pacific Plywood, Inc., doing business as Plywood Manufacture, Tacoma, Wash. Original filed, act of 1946, Principal Register, Apr. 27, 1950; amended to application, Supplemental Register, Aug. 20, 1952, Serial No. 586,433.

CO-PLY

For Plywood.
Claims use since Oct. 3, 1949.

569,616. (Class 44. Dental, Medical, and Surgical Appliances.) Kern & Co. Ltd., Aarau, Switzerland. Original filed, act of 1946, Principal Register, May 2, 1950; amended to application, Supplemental Register, Apr. 19, 1951, Serial No. 596,731.

Kern
AARAU

Priority under Sec. 44(d). Swiss Registration No. 131,076, filed Dec. 6, 1949.

For Polarimeters for Use in Dental, Medical, and Surgical Studios, Colposcopes, Apparatus for Micro-Electrophoresis.

569,617. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Commercial Controls Corporation, Rochester, N. Y. Original filed, act of 1946, Principal Register, May 23, 1950; amended to application, Supplemental Register, Oct. 20, 1952, Serial No. 597,945.

multiOpener

For Envelope Opening Machines.
Claims use since Aug. 31, 1940.

569,618. (Class 32. Detergents and Soaps.) Bud Type Cleaner, Inc., Baltimore, Md., assignee, by mesne assignments, from Eberhard Faber Pencil Company. Original filed, act of 1946, Principal Register, May 25, 1950; amended to application, Supplemental Register, Nov. 9, 1952, Serial No. 598,072.

PRESS-KLEEN

For Typewriter Type Cleaner.
Claims use since May 18, 1950.

569,619. (Class 2. Receptacles.) Argus Products, Philadelphia, Pa., assignor to Lapin Products Inc., Newark, N. J. Original filed, act of 1946, Principal Register, May 31, 1950; amended to application, Supplemental Register, June 30, 1952, Serial No. 598,344.

EVER-KLEEN

For Waste Baskets Made of Plastic.
Claims use since May 15, 1950.

569,620. (Class 29. Brooms, Brushes, and Dusters.) Downing Trading Corporation, New York, N. Y., assignor to Pellon Corporation, New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, July 1, 1950; amended to application, Supplemental Register, Nov. 20, 1952, Serial No. 600,125.

SUEDETTE

For Cleaning, Wiping, and Polishing Cloths Made of Fabrics Consisting of Wool, Cotton, or Synthetic Fibres, or Combinations Thereof, Impregnated With Rubber.
Claims use since June 15, 1950.

569,621. (Class 21. Electrical Apparatus, Machines, and Supplies.) H. V. Hardman Co. Incorporated, Belleville, N. J. Original filed, act of 1946, Principal Register, Nov. 7, 1950; amended to application, Supplemental Register, Oct. 31, 1951, Serial No. 606,012.

CONDUX

For Electrically Conductive Compounds in the Nature of a Paint or Tractable Paste.
Claims use since Oct. 16, 1950.

569,622. (Class 2. Receptacles.) Transparent Specialties Corporation, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Nov. 16, 1950; amended to application, Supplemental Register, Nov. 13, 1952, Serial No. 606,490.

LOCK-LIFT

For Plastic Cover and Plate for Serving and Keeping Cakes Fresh, Sold as a Unit.
Claims use since Feb. 6, 1950.

569,623. (Class 22. Games, Toys, and Sporting Goods.) SFI, Inc., Denver, Colo., assignor to Margaret W. Seep, Denver, Colo. Original filed, act of 1946, Principal Register, Dec. 15, 1950; amended to application, Supplemental Register, Nov. 21, 1951, Serial No. 607,724.

KARD KADDY

For Container Used To Hold Cards in Order While Playing Certain Card Games, Also Serving To Store Cards When Not in Use.
Claims use since July 14, 1950.

569,624. (Class 33. Glassware.) Tumbler Ads, El Paso, Tex. Original filed, act of 1946, Principal Register, Dec. 15, 1950; amended to application, Supplemental Register, Oct. 29, 1952, Serial No. 607,728.

TUMBLER ADS

For Glass Tumblers.
Claims use since Nov. 15, 1950.

569,625. (Class 28. Jewelry and Precious-Metal Ware.) Drema Manufacturing Company, Inc., New York, N. Y., by change of name from Swiss Watch Dial Co., Inc. Original filed, act of 1946, Principal Register, Jan. 16, 1951; amended to application, Supplemental Register, Aug. 20, 1952, Serial No. 608,838.

Synchronized Springs

For Wrist-Bands for Wrist Watches.
Claims use since Aug. 19, 1950.

569,626. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Our Own Hardware Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Jan. 26, 1951; amended to application, Supplemental Register, Jan. 18, 1952, Serial No. 609,309.

Super-Mo

For Power-Driven Lawn Mowers.
Claims use since Dec. 20, 1950.

569,627. (Class 4. Abrasives and Polishing Materials.) O-Cedar Corp'n, Chicago, Ill., assignee of John P. Roth, doing business under the name of Germicidal Products Company and Maintenance Chemicals Manufacturing Company. Original filed, act of 1946, Principal Register, Mar. 10, 1951; amended to application, Supplemental Register, Nov. 1, 1952, Serial No. 611,147.

DRI-GLO

For Furniture Polish and Metal Polish.
Claims use since July 1939.

569,628. (Class 32. Detergents and Soaps.) Utility Chemical Company, Paterson, N. J. Original filed, act of 1946, Principal Register, Mar. 23, 1951; amended to application, Supplemental Register, Nov. 7, 1952, Serial No. 611,731.

HI-TONE

For All-Purpose Cleaner in Concentrated Liquid Form.
Claims use since Dec. 18, 1950.

569,629. (Class 18. Medicines and Pharmaceutical Preparations.) Gray Drug Stores, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Aug. 22, 1951; amended to application, Supplemental Register, Aug. 25, 1952, Serial No. 617,960.

Gray's
WHERE SPENDING IS
DRUG STORES

The words "Drug Stores" are disclaimed apart from the mark as shown. The drawing is lined for shading only.
For Aspirin Tablets and Mineral Oil, as a Medicine or an Ingredient of Medicines.
Claims use since March 1949.

569,630. (Class 27. Horological Instruments.) Illinois Watch Case Co., Elgin, Ill. Original filed, act of 1946, Principal Register, Nov. 17, 1951; amended to application, Supplemental Register, Oct. 22, 1952, Serial No. 621,364.

KING - SIZE

For Jewels for Watch Movements.
Claims use since Oct. 3, 1951.

569,631. (Class 46. Foods and Ingredients of Foods.) Bursley & Company, Inc., Fort Wayne, Ind. Original filed, act of 1946, Principal Register, Feb. 9, 1952; amended to application, Supplemental Register, Nov. 12, 1952, Serial No. 624,728.

Flavor Sweet

For Oleomargarine and Butter.
Claims use since 1934.

569,632. (Class 2. Receptacles.) Modern Welding Company, Owenboro, Ky. Filed June 17, 1952, Serial No. 631,299.

MODERN QUALITY

For Tanks for Use in the Storage of Oil, Gas, Water, Spent Grains, Feeds, Etc.
Claims use since Sept. 15, 1939.

569,633. (Class 27. Horological Instruments.) Irving Munk & Co., New York, N. Y. Filed July 31, 1952, Serial No. 633,316.

CAPRI

For Watches.
Claims use since June 11, 1951.

Service Marks

369,034. (Class 100. Material Treatment.) Eastern States Storm Window, Inc., West Springfield, Mass. Original filed, act of 1946, Principal Register, July 27, 1951; amended to application, Supplemental Register, Nov. 7, 1952, Serial No. 617,018.

Storm Seal

For Manufacture to Individual Specifications of Glassed and Screened Storm Windows and Doors and Porch Enclosures.

Claims use since March 1949.

SILICONIZED

For Glazing and Restoring the Luster to Furs.
Claims use since Oct. 3, 1951.

TRADE-MARK REGISTRATIONS RENEWED

39,543. THERMIT. Registered Dec. 23, 1902. Allgemeine Themit-Gesellschaft m. b. H., Essen-on-the-Ruhr, Germany. Re-renewed Dec. 23, 1952, to Metal & Themit Corporation, New York, N. Y., a corporation of New Jersey. Metal Compounds for Employment in the Process of Welding Metals. Class 14.

87,560. "RED FEATHER" AND REPRESENTATION OF FEATHER. Registered July 23, 1912. The Owl Drug Company, San Francisco, Calif. Re-renewed July 23, 1952, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. Toilet Water, Tooth-Powder, Tooth-Wash, Tooth-Paste, Talcum Powder, Cold-Cream, Etc. Class 51.

87,859. SAXOLITE. Registered Aug. 13, 1912. Jay V. Daniels. Re-renewed Aug. 13, 1952, to Dearborn Supply Company, Chicago, Ill., a corporation of Illinois. Face Powders. Class 51.

88,717. PHENOCO. Registered Oct. 15, 1912. West Disinfecting Company, New York, N. Y. Re-renewed Oct. 15, 1952, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York. A Germicide, a Bactericide, and an Insecticide. Class 18.

89,179. ESCO. Registered Nov. 19, 1912. Ernecke & Salmstein Co., Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 19, 1952, Label-Pastes. Class 5.

89,231. MERCOLIZED. Registered Dec. 3, 1912. Jay V. Daniels. Re-renewed Dec. 3, 1952, to Dearborn Supply Company, Chicago, Ill., a corporation of Illinois. Ointment or Cream for the Complexion. Class 51.

89,564. REPRESENTATION OF MAN CLIMBING TELEGRAPH POLE. Registered Dec. 24, 1912. Mathias Klein & Sons. Re-renewed Dec. 24, 1952, to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois. Wire-Clamps and Wire-Splicing Clamps, Wrenches, Pliers, Etc. Class 23.

89,908. PRINCESS. Registered Jan. 21, 1913. Russell Carpet Sweeper Company. Re-renewed Jan. 21, 1953, to Russell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan. Carpet-Sweepers. Class 23.

90,425. "ADVERTISER" AND DESIGN. Registered Feb. 25, 1913. The Ferguson McKinney Dry Goods Co. Re-renewed Feb. 25, 1953, to Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Bleached Muslin. Class 42.

90,490. REPRESENTATION OF WOMAN'S HEAD WITH SNAP-BUTTON OVER ONE EYE. Registered Feb. 25, 1913. Walde & Co., Prague-Wrschowitz, Austria-Hungary. Re-renewed Feb. 25, 1953, to Walde Kohinoor, Inc., Long Island City, N. Y., a corporation of New York. Garment-Fasteners Known as Snap-Buttons. Class 40.

509,035. (Class 100. Material Treatment.) Siliconized Fur Processing Co., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 23, 1951; amended to application, Supplemental Register, Oct. 8, 1952, Serial No. 620,309.

90,793. "ARROW" AND DESIGN. Registered Mar. 25, 1913. Cluett, Peabody & Co. Re-renewed Mar. 25, 1953, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Collars and Cuffs. Class 39.

201,243. "BLACK AND WHITE D O" AND DESIGN. Registered Feb. 2, 1932. The Dannemiller Grocery Company, Canton, Ohio. Renewed Feb. 2, 1952, to Consolidated Grocers Corporation, Chicago, Ill., a corporation of Maryland. Canned Goods—Namely, Tomatoes, Hominy, Pumpkin, Cut Red Beets, Spinach, Etc. Class 40.

206,636. "ARDO-X" ETC. AND DESIGN. Registered Aug. 16, 1932. Snug-Fit Brassiere Co. Renewed Aug. 16, 1952, to Snug-Fit Foundations Company, New York, N. Y., a partnership. Corsets, Brassieres, and Combinations Thereof. Class 39.

206,767. "THE BIG DUCK RANCH" AND DRAWING. Registered Aug. 23, 1932. Martin R. Maurer. Renewed Aug. 23, 1952, to Leonard Desson, Riverhead, N. Y. Dressed Poultry and Live Ducks. Class 40.

207,070. "GOLD LABEL" AND DESIGN. Registered Aug. 30, 1932. Jaques Manufacturing Company, Chicago, Ill. Renewed Aug. 30, 1952, to Hulman & Company, Terre Haute, Ind., a corporation of Indiana. Baking Powder. Class 46.

207,250. NATIONAL CITY. Registered Sept. 6, 1932. Simon Ackerman Clothes, Inc. Renewed Sept. 6, 1952, to Simon Ackerman Clothes, Inc., New York, N. Y., a corporation of New York. Men's and Young Men's Coats, Vests, Trousers, and Overcoats. Class 39.

207,658. "MARK TWAIN" ETC. AND DRAWING. Registered Sept. 27, 1932. Huntsville-Sinclair Mining Company, Kansas City, Mo., a corporation of Missouri. Renewed Sept. 27, 1952, Coal. Class 1.

207,671. "PARODI" ETC. AND DESIGN LINED FOR GREEN AND RED. Registered Sept. 27, 1932. Parodi Cigar Company of New York, Inc. Renewed Sept. 27, 1952, to Parodi Cigar Co. of New York, Scranton, Pa., a firm. Cigars. Class 17.

207,672. "PARODI" ETC. AND DESIGN LINED FOR GREEN AND RED. Registered Sept. 27, 1932. Parodi Cigar Company of New York, Inc. Renewed Sept. 27, 1952, to Parodi Cigar Co. of New York, Scranton, Pa., a firm. Cigars. Class 17.

207,673. "PARODI" AND DESIGN LINED FOR GREEN AND RED. Registered Sept. 27, 1932. Parodi Cigar Company of New York, Inc. Renewed Sept. 27, 1952, to Parodi Cigar Co. of New York, Scranton, Pa., a firm. Cigars. Class 17.

207,680. "PARODI" ETC. AND DESIGN LINED FOR GREEN AND RED. Registered Sept. 27, 1932. Parodi Cigar Company of New York, Inc. Renewed Sept. 27, 1952, to Parodi Cigar Co. of New York, Scranton, Pa., a firm. Cigars. Class 17.

297,985. FIRESTONE. Registered Oct. 11, 1932. The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Oct. 11, 1952. Brake Testing Machines and Brake Lining Testing Machines. Class 26.

297,988. "F" AND DESIGN. Registered Oct. 11, 1932. The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Oct. 11, 1952. Brake Testing Machines. Class 26.

298,012. "OCTAGNE" AND DESIGN LINED FOR RED. Registered Oct. 11, 1932. Panhandle Refining Company. Renewed Oct. 11, 1952, to Panhandle Oil Corporation, Wichita Falls, Tex., a corporation of Delaware. Gasoline. Class 15.

298,080. NALCO. Registered Oct. 11, 1932. National Aluminate Corporation, Chicago, Ill., a corporation of Delaware. Renewed Oct. 11, 1952. Pumps, Water-Motors and Mechanisms for Proportioning Reagents Fed to a Water-Purifying System. Class 23.

298,249. "TASTIE TOOTH PASTE" AND DESIGN. Registered Oct. 18, 1932. Harry E. Montero, doing business as Tasty Tooth Paste Co., Bloomfield, N. J. Renewed Oct. 18, 1952, to Tasty Tooth Paste Corporation, Mount Vernon, N. Y., a corporation of New York. Tooth-paste. Class 51.

298,621. KOLD-TONE. Registered Nov. 1, 1932. C. Emmett Matthews, doing business as Matthews Chemical Co., Roanoke Rapids, N. C. Renewed Nov. 1, 1952, to Mrs. Annie P. Matthews, Shelby, N. C. Medicinal Preparation for the Treatment of Colds. Class 18.

298,763. WESTINGHOUSE. Registered Nov. 8, 1932. Westinghouse Electric & Manufacturing Company. Renewed Nov. 8, 1952, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Ammeters, Voltmeters, Wattmeters, and Integrating Watt Hour Meters. Class 26.

299,083. WESTINGHOUSE. Registered Nov. 22, 1932. Westinghouse Electric & Manufacturing Company. Renewed Nov. 22, 1952, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Electric Arc and Incandescent Lamps, Electric Controllers, Etc. Class 21.

299,142. AUROSAL. Registered Nov. 22, 1932. Baker & Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Nov. 22, 1952. Precious Metal Salts and Precious Metal Electroplating Preparations Containing Gold. Class 6.

299,532. THE VICTORIA VAT. Registered Dec. 6, 1932. John Dewar & Sons Limited, Perth, Scotland, and London, England, a limited liability company of Great Britain. Renewed Dec. 6, 1952. Scotch Whisky. Class 49.

299,969. REPRESENTATION OF STRIPES ON BAG OR LABEL, LINED FOR RED. Registered Jan. 3, 1933. Associated Seed Growers, Incorporated, New Haven, Conn., a corporation of Connecticut. Renewed Jan. 3, 1953. Garden and Field Seeds, Bulbs, and Plants. Class 1.

300,022. THELESTEIN. Registered Jan. 3, 1933. G. W. Cartrick Co., Newark, N. J., a corporation of New Jersey. Renewed Jan. 3, 1953. Standardized Ovarian Hormone Preparation. Class 18.

300,055. ESKIMO. Registered Jan. 3, 1933. Eskimo Ice Corporation, New York and Brooklyn, N. Y. Renewed Jan. 3, 1953, to Eskimo Ice Corporation, Bloomfield, N. J., a corporation of Delaware. Frozen Confections. Class 46.

300,099. CLARK'S. Registered Jan. 3, 1933. Associated Seed Growers, Incorporated, New Haven, Conn., a corporation of Connecticut. Renewed Jan. 3, 1953. Garden and Field Seeds, Bulbs, and Plants. Class 1.

300,456. ASGROW. Registered Jan. 17, 1933. Associated Seed Growers, Incorporated, New Haven, Conn., a corporation of Connecticut. Renewed Jan. 17, 1953. Garden and Field Seeds, Bulbs, and Plants. Class 1.

300,914. "WM. PENN" ETC. AND DESIGN. Registered Feb. 14, 1933. The Canfield Oil Company. Renewed Feb. 14, 1953, to Canfield Oil Company, Cleveland, Ohio, a corporation of Ohio. Lubricating Oils and Greases. Class 15.

300,926. PLIOLITE. Registered Feb. 14, 1933. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Feb. 14, 1953. Ready-Mixed Paint, Varnish and Paint Enamel. Class 16.

300,931. HARCO. Registered Feb. 14, 1933. Max Abelman, doing business as M. Abelman Co. and Hartwell Paint Co., Boston, Mass. Renewed Feb. 14, 1953, to M. Abelman Co., Jamaica Plain, Mass., a corporation of Massachusetts. Ready Mixed Paint, Paste Colors in Oil, Shellac, and Varnishes. Class 16.

301,213. LINE OF BEAUTY. Registered Feb. 21, 1933. Associated Apparel Industries, Inc. Renewed Feb. 21, 1953, to The H. W. Gossard Co., Chicago, Ill., a corporation of Illinois. Girdles, Corsets, Combination Corset and Brassiere. Class 39.

301,254. "TRAVEL TIPS" AND DESIGN. Registered Feb. 21, 1933. Simmons Tours, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 21, 1953. Publication Issued Annually. Class 38.

301,349. "WON'T RUN" AND DESIGN. Registered Feb. 28, 1933. Harrington & Varing. Renewed Feb. 28, 1953, to Hollywood Hose, Inc., New York, N. Y., a corporation of New York. Hosiery. Class 39.

301,503. "ANTOINE" AND DRAWING. Registered Mar. 7, 1933. Antoine de Paris, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 7, 1953. Cleansing Cream, Massage Cream, Bleach Cream, Etc. Class 51.

301,566. PATRICIA MOODY. Registered Mar. 7, 1933. Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Renewed Mar. 7, 1953. Ladies', Misses', Children's, and Infants' Dresses, Aprons and Pajamas of All Kinds, Etc. Class 39.

301,847. VITRALEX. Registered Mar. 14, 1933. Pratt & Lambert-Inc., Buffalo, N. Y., a corporation of New York. Renewed Mar. 14, 1953. Varnishes, Paint Enamels, Lacquers, Etc. Class 12.

301,863. FOOD FIELD REPORTER. Registered Mar. 21, 1933. Topica Publishing Company, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 21, 1953. Periodical Publication. Class 38.

301,867. INS. Registered Mar. 21, 1933. International News Service, Inc. Renewed Mar. 21, 1953, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Printed News Messages, Printed News Dispatches, and Newspapers. Class 38.

301,913. FLEISCHMANN'S. Registered Mar. 21, 1933. Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Renewed Mar. 21, 1953. Amylolytic or Starch-Liquefying Preparation Suitable for Use as a Densizing Agent in the Textile Industry. Etc. Class 6.

302,032. SEMINOLE. Registered Mar. 21, 1933. The Seminole Paper Corporation, Chicago, Ill. Renewed Mar. 21, 1953, to Marinette Paper Company, Marinette, Wis., a corporation of Wisconsin. Toilet Paper. Class 37.

302,056. PINE CONE. Registered Mar. 28, 1933. Highland Orange Association. Renewed Mar. 28, 1953, to Gold Bockle Association, Highland, Calif., a corporation of California. Fresh Citrus Fruits—Namely, Oranges, Lemons, and Grapefruit. Class 46.

302,082. HA-MALL. Registered Mar. 28, 1933. Ha-Mall Medical Co., Carter, Okla. Renewed Mar. 28, 1953, to The Ha-Mall Company, Sayre, Okla., a firm. Liver and Blood Tonic, a Healing Oil, an Oil for the Treatment of Rheumatism, etc. Class 18.

302,142. "GLENCRINAN" ETC. AND DESIGN. Registered Mar. 28, 1933. The Glentyne Distillery Company Limited, Ardrishaig, Scotland, a corporation organized under the laws of Great Britain. Renewed Mar. 28, 1953. Whisky. Class 49.

302,185. "KAN'T RUN" AND DESIGN. Registered Apr. 4, 1933. Harrington & Waring. Renewed Apr. 4, 1953, to Hollywood Hose, Inc., New York, N. Y., a corporation of New York. Hosiery. Class 39.

302,228. TETLEY BUDOET TEA. Registered Apr. 4, 1933. Joseph Tetley & Co. Inc. Renewed Apr. 4, 1953, to Tetley Tea Co., Inc., New York, N. Y., a corporation of New York. Tea. Class 46.

302,232. FLAV-R-JELL. Registered Apr. 4, 1933. Red & White Corporation, Buffalo, N. Y. Renewed Apr. 4, 1953, to Red & White Corporation, Chicago, Ill., a corporation of New York. Gelatine Dessert. Class 46.

303,417. BRIGLO. Registered May 23, 1933. American Enka Corporation, Asheville, N. C. Renewed May 23, 1953, to American Enka Corporation, Enka, N. C., a corporation of Delaware. Rayon Yarns. Class 43.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

565,331. INDEPEL. Registered Oct. 14, 1952. Independent Leather Manufacturing Co., Inc., Gloverville, N. Y. Waterproof and Treated Leather. Class 1. Corrected as follows: In the statement, lines 6 and 7, the

description of goods should be deleted and *water-repellent and treated leather* should be inserted in lieu thereof; and in the printed signature "Sturlele" should be *Studentic*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

46,054. PENN MAR. Registered Sept. 5, 1905. Renewed Sept. 5, 1925. Re-renewed Sept. 5, 1945. Stromeyer & Metzler. Table-Syrup Made From Sugar-Cane. Class 46. New certificate under section 7(c) issued Jan. 20, 1953, to J. Stromeyer Company, Philadelphia, Pa., a corporation of Pennsylvania.

136,205. "TURKEY" AND DESIGN. Registered Oct. 26, 1920. Renewed Oct. 26, 1940. Julius Stromeyer. Table-Syrups Contained in Sealed Containers. Class 46. New certificate under section 7(c) issued Jan. 20, 1953, to J. Stromeyer Company, Philadelphia, Pa., a corporation of Pennsylvania.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 299,183. Registered Nov. 22, 1932. The Alden Spence's Sons Company, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

SOLBLUE

For Laundry Bluing.
Claims use since January 1931.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Reg. No. 162,940. Registered Dec. 26, 1922. Wheeler Varnish Works, Chicago, Ill. Republished by Wheeler Varnish Works, Inc., Chicago, Ill., a corporation of Illinois.

Vel-Tex-Cote

For House Paint and Varnish.
Claims use since about Jan. 1, 1910.

Reg. No. 313,021. Registered May 15, 1934. General Paint & Varnish Co., doing business as Wheeler Varnish Works, Chicago, Ill. Republished by Wheeler Varnish Works, Inc., Chicago, Ill., a corporation of Illinois.

Fidelity

For Ready-Mixed Paint, Varnishes, Stains, and Paint Enamels.
Claims use since on or about January 1917.

Reg. No. 321,532. Registered Feb. 5, 1935. General Paint & Varnish Co., doing business as Wheeler Varnish Works, Chicago, Ill. Republished by Wheeler Varnish Works, Inc., Chicago, Ill., a corporation of Illinois.

SPEED ROCK

The word "Rock" is disclaimed apart from the mark as shown.
For Ready-Mixed Paint, Varnishes, Stains, and Paint Enamels.
Claims use since 1926.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 290,632. Registered Jan. 12, 1932. Gas and Electric Heater Co., La Porte, Ind. Republished by FauceHot Heater Co., La Porte, Ind., a corporation of Indiana.

FauceHot

For Electric Water Heaters.
Claims use since Apr. 4, 1930.

CLASS 25

LOCKS AND SAFES

Reg. No. 52,827. Registered May 22, 1906. Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y. Republished by Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of Ohio.



For Safes.
Claims use since July 9, 1904.

Reg. No. 56,278. Registered Sept. 4, 1906. Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y. Republished by Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of Ohio.

FARREL & CO.

For Safes.
Claims use since 1856.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 88,633. Registered Oct. 8, 1912. Multi-Speed Shutter Company, New York, N. Y., assignor to The Precision Machine Company. Republished by International Projector Corporation, Bloomfield, N. J., a corporation of Delaware.



For Moving-Picture Apparatus and Supplies.
Claims use since Feb. 20, 1910.

Reg. No. 296,811. Registered Aug. 23, 1932. A. B. Dick Company, Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Nile, Ill.

MIMEOSTYLE

For Lettering and Drafting Guides and Rulers.
Claims use since Feb. 26, 1932.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 398,793. Registered Nov. 24, 1942. The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.



For Bowling Alley Furniture—Namely, Score Tables, Opera Chairs, Settees, and Combined Score Table and Bowling Alley Service Units.
Claims use since Mar. 8, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 299,668. Registered Dec. 13, 1932. Troy Blanket Mills, Troy, N. H., a corporation of New Hampshire. Republished by registrant.



For Piece Goods and Blankets of Cotton, Wool, or Combinations Thereof.
Claims use since July 20, 1932.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 296,838. Registered Aug. 23, 1932. Growers' Cooperative Grape Juice Company, Inc., Westfield, N. Y., a corporation of New York. Republished by registrant.

AUTUMN

The drawing is lined for blue.
For Grape Juice.
Claims use since Apr. 9, 1932.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 87,036. Registered June 25, 1912. Boston Molasses Co., Boston, Mass. Republished by Boston Molasses Co., Boston, Mass., a corporation of Massachusetts.



For Molasses.
Claims use since Oct. 1, 1909.

Reg. No. 87,599. Registered July 30, 1912. Boston Molasses Co., Boston, Mass. Republished by Boston Molasses Company, Boston, Mass., a corporation of Massachusetts.



For Molasses.
Claims use since Oct. 1, 1910.

Reg. No. 296,976. Registered Aug. 30, 1932. Dixie Mills Company, East St. Louis, Ill., a corporation of Illinois. Republished by registrant.



For Pig Feed and Hog Feed.
Claims use since January 1918.

Reg. No. 296,977. Registered Aug. 30, 1932. Dixie Mills Company, East St. Louis, Ill., a corporation of Illinois. Republished by registrant.



For Dairy Feeds—Namely, Cow Feed, Supplement Feed, Cattle and Steer Feed, and Calf Feed.
Claims use since May 1912.

CLASS 47

WINES

Reg. No. 441,555. Registered Dec. 7, 1948. Roma Wine Company, doing business as La Boheme Vineyards Co., Fresno, Calif., assignor, by mesne assignments, to Schenley Distillers Corporation. Republished by Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.



La BOHEME

For Wines.
Claims use since Nov. 7, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 346,222. Registered May 18, 1937. Hiram Walker & Sons Inc., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.

PRIVATE CELLAR

For Whiskey.
Claims use since on or about Nov. 24, 1938.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 39,517. Registered Dec. 23, 1902. Frank Parker, New York, N. Y. Republished by Parker-Herbex Corporation, Stamford, Conn., a corporation of New York.

HERBEX

For Preparations for the Hair.
Claims use since Nov. 1, 1902.

PATENTS

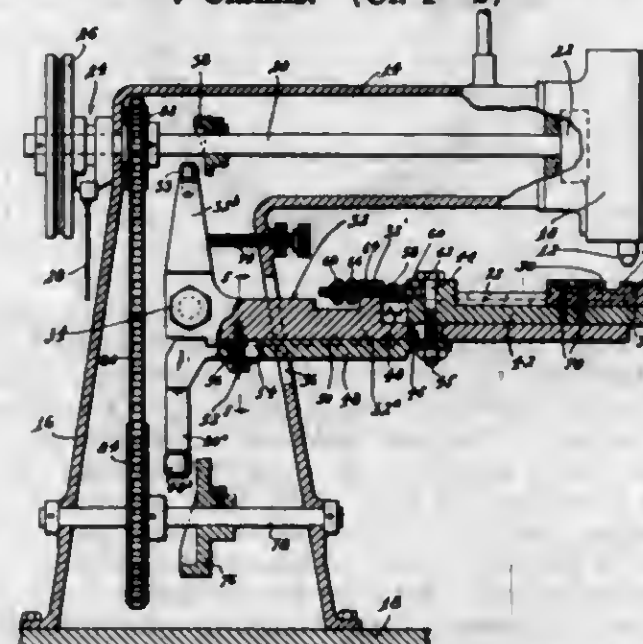
GRANTED JANUARY 20, 1953

GENERAL AND MECHANICAL

2,625,680

STAPLING MACHINE

Thomas J. Flinn, West Roxbury, Mass.
Application February 12, 1952, Serial No. 271,176
7 Claims. (Cl. 1—2)

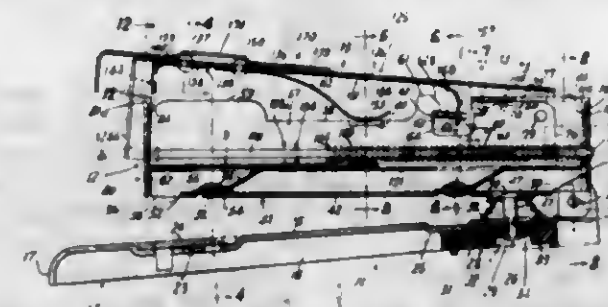


1. A stapling machine having, in combination, a fixed staple-delivering head, means operative within said head for driving staples in rapid succession from the head, a support mounted for movement in directions toward and from the staple-delivering portion of said head, a work-supporting clinching anvil movably mounted on said support and having two spaced staple-clinching portions thereon, mechanism for moving said support and the anvil toward and from said head a plurality of times in rapid succession and in timed relation to the delivery of successive staples from the head, and means for rapidly reciprocating said anvil and the work thereon between two positions on said support to bring said two clinching portions of the anvil alternately into clinching relation to successively delivered staples.

2,625,681

TABLE TYPE STAPLER

Frank S. Borouhs, New York, N. Y., assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 20, 1949, Serial No. 111,413
2 Claims. (Cl. 1—3)



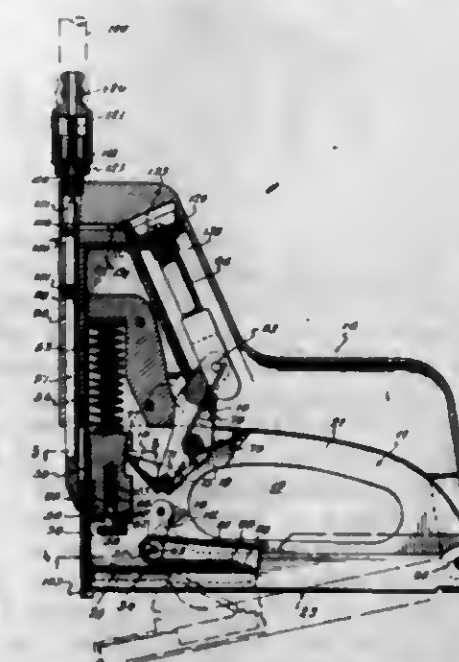
1. In a stapler, a magazine, a cover pivoted to said magazine, means on the cover to drive staples from the magazine, said magazine com-

prising a magazine body formed with upwardly and rearwardly extending hooks, a latch bar slidable on said cover engageable with said hooks and spring means on the cover to retain said latch bar in engagement with said hooks, said spring means comprising a strip spring having a front end fixed in the underside of the cover, and a rear downwardly extending face and engaging the back of the latch bar and pressing the same forwardly to engage the rearwardly extending hooks on the magazine body.

2,625,682

STAPLING MECHANISM

Joseph Cristiano, Bronx, N. Y.
Application January 23, 1950, Serial No. 140,043
3 Claims. (Cl. 1—49)



1. In an apparatus for driving staples, a staple driver, means to urge said driver in a staple driving direction, means to feed staples to a position against said driver whereby each successive staple is in a position to be driven, means to withdraw said driver against said urging means, said means for withdrawing said driver being releasable from said driver upon continued movement thereof, means coupled to said means for withdrawing said driver to secure operation thereof, said last named means comprising a piston, valve means for admitting fluid against said piston, and a trigger projecting from said apparatus for operating said valve means upon contact with a work piece.

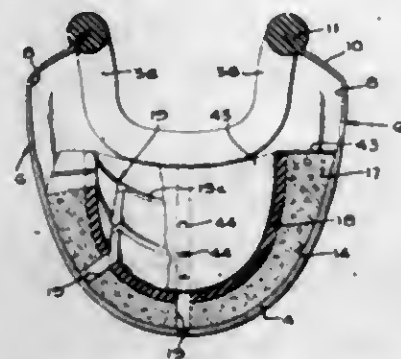
2,625,683

CRASH HELMET

Herman P. Roth, Manhattan Beach, and Charles F. Lombard, South Pasadena, Calif., assignors to Protection, Inc., Los Angeles, Calif., a corporation of California
Application December 8, 1947, Serial No. 790,256
18 Claims. (Cl. 2—6)

15. A protection device for protecting a portion of a human body from an impact force,

which comprises a relatively hard outer shell and a layer of non-resilient, crushable, energy-absorbent material within the outer shell operat-



ing to maintain its deformed state after being subjected to the said force, and capable of limiting the transmitted force to an amount tolerable to the body.

2,625,684

FACE PROTECTOR

Eskil Adolf Börje Magnusson, Stockholm, Sweden
Application November 12, 1949, Serial No. 126,756
In Sweden November 12, 1948
2 Claims. (Cl. 2-9)



1. A face protector or wind stopper of the type forming an airtight fit around the whole face of the user while presenting an open front, comprising, in combination, at least two congruous, flexible and transparent panes in juxtaposition when in flat condition, a hinge member uniting a pair of adjacent edges of the two panes, a second hinge member uniting another pair of adjacent edges of the two panes opposed to said first mentioned pair of edges, a bead of soft packing material on a non-hinged pair of edges of the protector extending substantially at right angles to said hinged pairs of edges and intended to form an airtight fit around the face of the user, and an extensible head strap secured to said beaded pair of edges approximately midway of the same.

2,625,685

GOGGLE ASSEMBLY

William Christian Moeller, Kansas City, Mo., assignor to Parmelee Plastics Company, Kansas City, Mo., a corporation of Missouri
Application July 20, 1950, Serial No. 174,839
3 Claims. (Cl. 2-14)

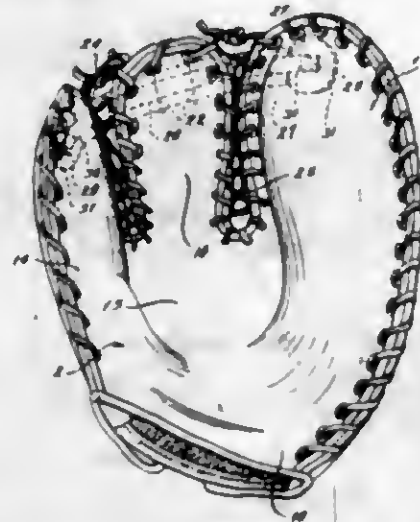


1. A goggle assembly comprising a tubular frame; and a cover of transparent material closing one end of the frame, said frame having an inwardly-facing groove, arcuate in cross section, formed therein at said one end thereof for receiving the marginal edge of the cover, said cover having an arched flange at its said marginal edge to substantially conform to the arcuate form of said groove, whereby to enter the same and prevent accidental lateral expansion of the frame.

2,625,686

BASEBALL MITT

Harry B. Latina, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 7, 1950, Serial No. 166,583
6 Claims. (Cl. 2-19)



1. A baseball mitt comprising facing and backing pieces together forming a mitt body characterized by the provision of body projections defining thumb and finger stalls and a backstop therebetween, lacings between and flexibly attaching said backstop to said thumb and finger stalls to shape the mitt body and provide a ball receiving pocket, and inelastic strap means secured to said body projections and movably connected with said backstop for retaining said projections in spaced, ball catching cooperation.

2,625,687

REVERSIBLE NECKTIE

Sol Sherman, New York, N. Y.
Application December 14, 1948, Serial No. 65,145
2 Claims. (Cl. 2-151)



1. A bow-type necktie comprising a narrow elongated tie band including a pair of similar sections, a link interconnecting meeting ends of the tie band sections, each section of the tie band terminating in a pair of widened end portions and a relatively narrow portion joining each pair of the widened end portions, an anchor clasp adjustably mounted on one of the tie band sections, the said tie band section being loosely threaded through the said link and having a free end secured to the said clasp to form a loop, adjust-

ment of the said clasp effecting adjustment of the length of the tie band sections for adjusting the tie to a selected collar size, the tie band section carrying the clasp being adjustably longer than the other of the pair of tie band sections, both of the said tie band sections comprising superposed pieces of material having meeting edges and means concealingly uniting the pieces of material along the meeting edges, the said superposed pieces of material forming opposite surfaces of the tie, a corresponding side of both sections being composed of the same material and presenting a uniform appearance throughout to an observer, the said loop of the said tie band section carrying the clasp having an inner surface of contrasting appearance, an opposite side of this section being composed of a contrasting material and pattern with respect to the side presenting the said uniform appearance, the corresponding side of the other tie section being composed of a still different material and pattern, the completed tie presenting a uniform appearance on one surface and two different and contrasting areas on its opposite surface, the said surfaces and patterns thereon being disposed relative to each other so that the band sections united by the said link and clasp may be formed into a bow tie presenting selectively to an observer a uniform pattern tie effect and six different tie effects, each of the latter presenting a different combination of appearances selected from those of the respective surfaces.

2,625,688

COMBINED BELT AND GARMENT

Alfred S. Kaufman, New York, N. Y., assignor to Alseka Clothing Company, Inc., New York, N. Y., a corporation of New York
Application December 23, 1949, Serial No. 134,744
1 Claim. (Cl. 2-237)



In a garment of the trouser type having a fly opening extended downward from the top edge thereof and an elongated elastic member of a length corresponding to the circumference of the top edge of the garment secured along its bottom edges to the top edge of the garment, said elastic member having its free ends overlapped over the fly opening, and aligned non-elastic belt members secured at their outer ends to the elastic member on opposite sides of said overlapped ends, means releasably securing together said overlapped ends of the elastic member, and means releasably securing together the inner ends of said belt members.

2,625,689

DRAPERY

Robert Whewell, New Bedford, Mass., assignor to Bourne Mills, Fall River, Mass., a corporation of Massachusetts
Application December 28, 1950, Serial No. 203,087
3 Claims. (Cl. 2-278)

1. An improved drapery for window openings and the like, said drapery comprising, in combination, two fabrics overlying each other and

secured together along edge portions so that each fabric has an exposed face; one of said fabrics comprising cloth sufficiently light in color to be of substantially light-transmitting character and having its exposed face uncoated, and having on its opposite face adjacent to the other fabric a thin, water-repellent, flexible underlayer of substantially the same color as said cloth, and also a dark colored, thin, water-re-

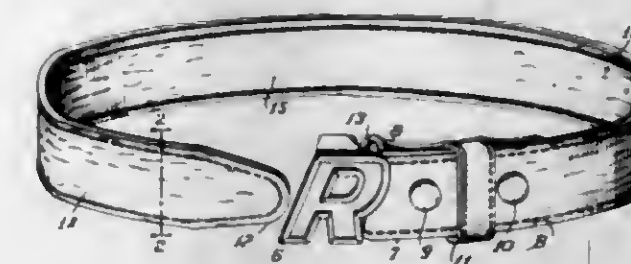


pellent, flexible overlayer; said underlayer extending continuously over said opposite face and being adhesively secured to said cloth; said overlayer extending continuously over said underlayer and being adhesively secured thereto; said coated fabric being further characterized by its draping qualities, its substantial opacity, and the unchanged appearance of its uncoated exposed face.

2,625,690

APPAREL BELT

Raymond T. Hickok, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application August 4, 1950, Serial No. 177,876
1 Claim. (Cl. 2-338)



An apparel belt comprising a body consisting of an elongated leather strap having inner and outer surfaces and being of a length adapting it to pass about a person's waist, and a lining consisting of an elongated strip of thin flexible moisture-proof plastic of the vinylidene-chloride resin type, said lining being of the same length and width as the leather strap, said lining strip being adhesively secured throughout its entire area against the inner surface of said leather strap in flat contacting engagement therewith for its full length and width and having marginal edges flush with marginal edges of the strap, and fastening means for releasably securing ends of the belt together.

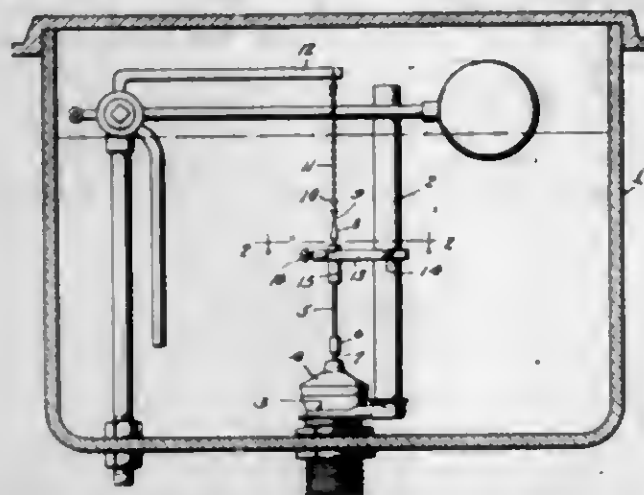
2,625,691

FLEXIBLE FLUSH TANK BALL SHAFT

Edward D. Clifton, Sr., San Antonio, Tex.
Application March 16, 1951, Serial No. 215,981
1 Claim. (Cl. 4-57)

In a device of the class described, the combination with a tank, of a valve seat in said tank, a ball valve seated on said valve seat, a coil spring shaft provided on its lower end with a solid coupler, a threaded member attached to the lower end of said solid coupler, a solid head on the upper end of said coil spring shaft, an eye secured to said solid head, a chain coupler attached to

said eye, a non-kinking chain attached to said coupler, and manually-operated means con-



nected to said non-kinking chain, whereby the coil spring shaft may be operated.

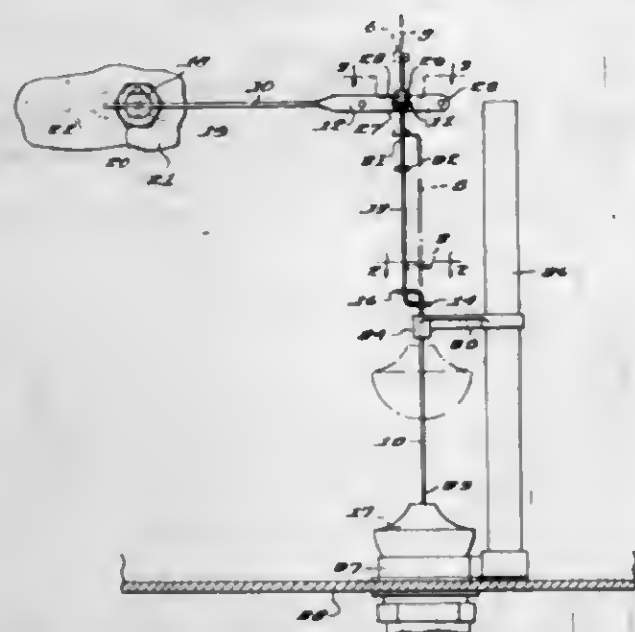
2,625,692

FLUSH TANK LEVER ATTACHMENT

John Hochberger, Chicago, Ill.

Application July 25, 1950, Serial No. 175,819

1 Claim. (Cl. 4-67)



In an operating mechanism for a flush tank, a lever provided with a flat surface lying in a vertical plane, a first vertically disposed rod operatively connected to said lever and having a horizontally disposed loop on its lower end arranged at right angles with respect to the major portion of said rod, said rod being provided with a threaded upper portion, a second rod provided with a horizontally disposed loop on its upper end arranged above the loop on said first rod, a closure member mounted on the lower end of said second rod, a manually operable shaft provided with a slot in its inner end for receiving an end of said lever, a stop nut positioned on said first rod, a lock nut arranged in threaded engagement with the threaded portion of said first rod and engaging said stop nut, a body nut arranged on the threaded portion of said first rod and positioned below said stop nut, said rods being arranged in spaced parallel relation with respect to each other, the lower end of said second rod being arranged in threaded engagement with said closure member, a horizontally disposed arm adapted to be connected to an overflow tube, and a boss mounted on the free end of said arm for receiving said second rod, said boss being positioned below said loops.

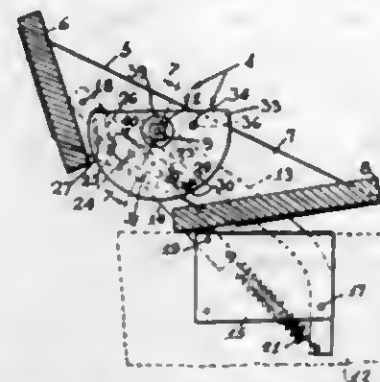
2,625,693

SOFA BED HINGE

Harry Raginsky, Montreal, Quebec, Canada, assignor to Progress Spring Bed Limited, Montreal, Quebec, Canada

Application December 10, 1948, Serial No. 64,513

7 Claims. (Cl. 5-57)



7. A hinge of the character described, comprising a supporting member, a pair of hinge members, a pivot pivotally connecting said hinge members, a control bar pivoted to said supporting plate and having one end pivotally secured to the hinge members by the pivot connecting said hinge members, a second control bar pivoted to said supporting plate and having one end pivoted to one of the hinge members at a point spaced from the pivot connecting said hinge members, a spring biased latch intermediately pivoted to one of the hinge members and provided with a recess at one end for engagement with a locking stud carried by the other hinge member, a latch releasing stud carried by the last mentioned hinge member and engageable with the latch at the side of the latch pivot remote from the latch recess to swing the latch to a hinge releasing position in response to a predetermined relative arrangement of said hinge members, and a spring acting against said control bars and normally tending to swing them about their pivotal connections to the supporting plate.

2,625,694

SIDE EXTENSION FOR CRIBS AND THE LIKE

Jacques L. Moss, Detroit, Mich.

Application January 6, 1951, Serial No. 204,725

5 Claims. (Cl. 5-331)



1. An extension for the side of a crib, play pen or the like, comprising a strap, means for clamping said strap vertically on the upper edge of such side, said strap and said means having opposed and spaced vertical clamping surfaces between which such side is receivable, a vertical arm having its lower end hinged to said strap, a bar carried by the upper end of said arm and perpendicular to said arm, and means for latching said arm to said strap.

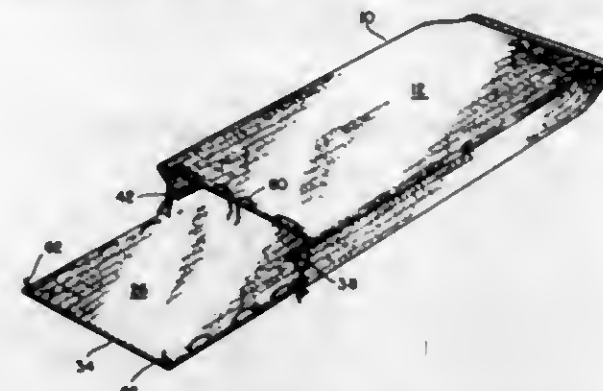
2,625,695

SLEEPING BAG MADE OF PAPER

James W. Nicholson, Bellingham, Wash.

Application June 12, 1950, Serial No. 167,524

6 Claims. (Cl. 5-343)



1. A paper sleeping bag, comprising: an outer envelope formed of durable, waterproof, crinkled paper having a bottom portion, a top portion, a closed end, an open end, a head covering portion extending from the bottom portion at the open end, and side portions on either side joining the top and bottom portions, each side portion having a longitudinal fold centered between the top and bottom portions, whereby when the sleeping bag is folded the side portions will collapse between the top and bottom portions; an inner envelope formed of durable crinkled paper positioned within said outer envelope having a shape similar to said outer envelope, said envelopes being joined together at the free edges of said open end and said head covering portion and said envelopes being joined together by binding tape at the closed end and at one of said side portions; a filler positioned between said inner and outer envelopes, said filler being composed of many layers of thin crinkled paper; and a backing sheet positioned between said inner and outer envelopes, said filler being secured to said backing sheet at spaced intervals.

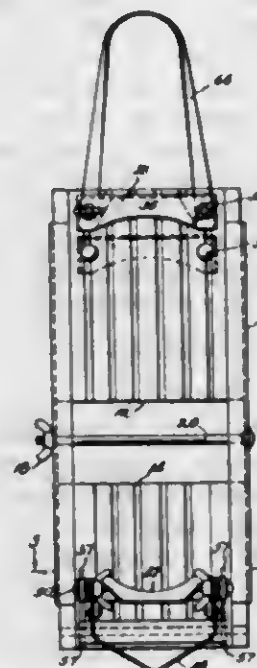
2,625,696

SOLE STRAIGHTENING DEVICE FOR SHOES

Norman C. Dahl, Boston, Mass., assignor to Dex-dahl, Inc., Cohasset, Mass., a corporation of Massachusetts

Application September 8, 1950, Serial No. 183,785

9 Claims. (Cl. 12-129.1)



1. A boot holder for supporting a thick-soled boot with the sole in flattened condition com-

prising supporting means against which the sole of the boot is clamped, toe clamping means for securing the forepart of the sole to the support, and heel clamping means comprising a heel-engaging member movable toward and from the support, a pair of arms having guideways within which the heel engaging member is movable, and toggle means for applying clamping pressure to the heel-engaging member.

2,625,697

TOOTHBRUSH WITH OSCILLATING HEAD

Bernard Cyser, Tel Aviv, Israel

Application December 10, 1949, Serial No. 132,246

3 Claims. (Cl. 15-22)



1. A tooth brush comprising in combination an elongated handle having a transverse hole therethrough, an oblong bristle plate having a transverse hole therethrough eccentrically positioned in the longitudinal axis of the plate, a group of short bristles and a group of long bristles, the group of short bristles being positioned adjacent to said plate hole and the group of longer bristles being positioned at the end of the plate distal to said plate hole, a pivot pin loosely fitted in the handle hole and having on one end an enlarged head for retaining the pin in the said hole, the other end of said pin being removably fitted in said hole of the bristle plate, fastening means removably securing the plate upon the pin, the portion of the handle juxtaposed to the bristle plate being substantially parallel thereto to provide for an unimpeded rotary movement of the plate relative to the handle during a cleansing operation, said pivot pin having a transverse hole therethrough positioned in the portion of the pin within the body of the handle when the pin is fitted through the handle hole, said handle further including a longitudinal bore extending from both sides of the handle hole, and an elongated locking member slidably fitted in said handle bore and shaped to be passed through said pin hole when the same is placed in axial alignment with the handle bore for fixing the bristle plate relative to the handle, a portion of said locking member being accessible from the outside of the handle for manipulating the said member.

2,625,698

CARPET SWEEPER

Maurits de Kadt and Jacques de Kadt, New York, N. Y., assignors to Briam Industrial Corporation, New York, N. Y., a corporation of New York

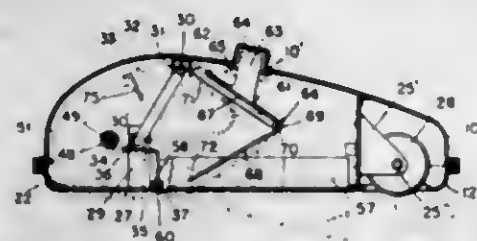
Application January 13, 1947, Serial No. 721,808

17 Claims. (Cl. 15-45)

1. A boot holder for supporting a thick-soled boot with the sole in flattened condition com-

1. A carpet sweeper having a casing; a brush rotatably mounted in the casing; drive bushings

on the ends of the brush; drive wheels at opposite sides of the casing, said drive wheels being recessed to provide concentrically spaced frictional driving surfaces to provide alternate frictional contact with said bushings; an axle for



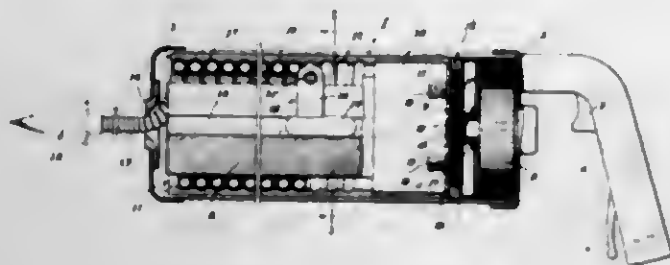
said drive wheels pivotally mounted in said casing; said drive wheels being responsive to movements of said casings to bring their inner and outer frictional driving surfaces alternately into frictional contact with said brush drive bushings.

2,625,699

POWER-DRIVEN SEWER CLEANER

Mitchell L. Jurasevich, Alturas, Calif., assignor to Elsie M. Jurasevich, Alturas, Calif.

Application December 16, 1949, Serial No. 133,358
7 Claims. (Cl. 15-104.3)



1. A power driven sewer cleaner comprising a relatively stiff but flexible cable having a sewer cleaning element on its outer end, a case having an opening through which the cable passes into said case rearwardly of said element, means in the case forming a helical groove internally therein, said groove receiving the cable in guided, wound-in relation, and power driven mechanism in the case in connection with the cable operative to cause the latter to unwind from the helical groove and extrude through said opening, or to retract through said opening and rewind in the helical groove; said power mechanism including a reversibly driven rotary mandrel extending axially of the helical groove, and a traveler on the mandrel connected to the inner end of the cable.

2,625,700

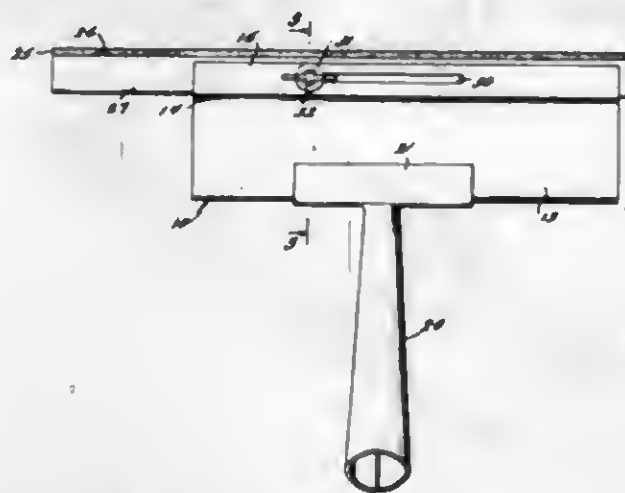
WINDOW WASHING AND DRYING DEVICE

Francis W. Baldwin, Huntingdon, Pa.

Application July 11, 1949, Serial No. 103,975
10 Claims. (Cl. 15-121)

1. A window cleaning and drying implement comprising an absorbent cleaning element, a holder therefor, a squeegee above said cleaning element and arranged at the same side of said holder as said cleaning element, said cleaning element and squeegee being disposed for simultaneous engagement with a surface to be cleaned, and means for supporting said squeegee by said holder for longitudinal movement relative to said holder, said squeegee being longer than said cleaning element whereby, when said squeegee is moved in one direction to a point where one end

of said squeegee is adjacent the corresponding end of said cleaning element, the other end of



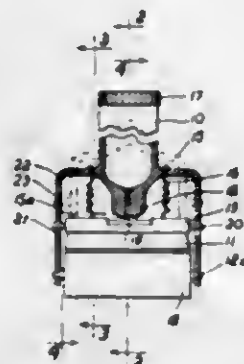
said squeegee projects substantially beyond the other end of said cleaning element.

2,625,701

FLUID APPLICATOR, INCLUDING MOVABLE WICK AND ROLLER

John H. Morrow and Stanley J. Fenyvessy, Chicago, Ill.; said Stanley J. Fenyvessy, now by change of name Stanley J. Fenyvessy, assignor of one-third to Everett A. Johnson, Park Ridge, Ill.

Application September 19, 1947, Serial No. 775,054
7 Claims. (Cl. 15-132.5)



1. An apparatus for use in the spirit duplicating process and comprising in combination an elongated fluid reservoir adapted for use as the handle of the apparatus, a discharge port for said reservoir, cylindrical roller means supported by a longitudinal extension of said reservoir, a capillary wick means between said discharge port and said roller means, pin slot means slidably supporting said wick means in said extension, and dual coil spring means positioned between a transverse portion of said extension and the wick means and secured at their ends to the extension and to said wick means to retract the wick means from the surface of the roller means.

2,625,702

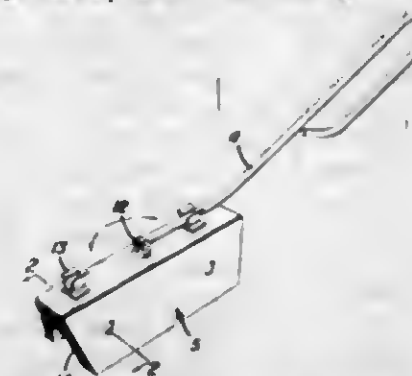
PAINT APPLICATOR

Ralph E. Grubbs, Kansas City, Mo.

Application November 23, 1949, Serial No. 129,057
1 Claim. (Cl. 15-160)

A paint applicator comprising a channel-shaped back, a paint applying lining in the back, a handle pivoted to the rear of the back and swingable toward opposite ends thereof to project beyond the same, and means carried by the back holding the handle in either position, said handle being bent to incline outwardly and upwardly

from the back when swung to project beyond one end of the back, and inclining outwardly and



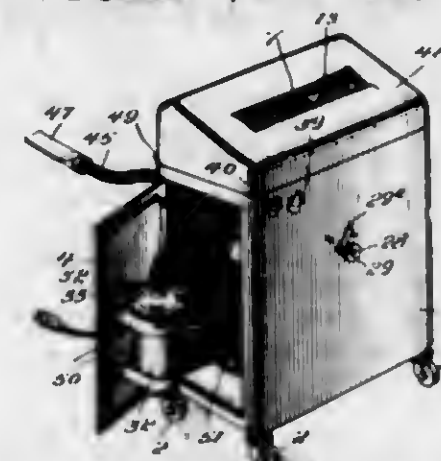
downwardly from the back when swung to project beyond the other end of said back.

2,625,703

PNEUMATIC TROUSER CUFF AND POCKET CLEANER

Joseph Omer Devau, Derby Line, Vt.

Application April 22, 1948, Serial No. 22,637
1 Claim. (Cl. 15-311)



A cleaning appliance comprising a mobile cabinet, a cover hingedly connected to said cabinet and provided with an inclined top, there being an open mouth in said top for receiving the garment to be cleaned, a door hingedly connected to said cabinet and mounted for swinging movement about a vertical axis, a hopper arranged below said mouth and including an upper portion substantially rectangular in cross section, and a downwardly tapered funnel portion, said funnel portion merging into a nipple, a pair of spaced parallel rotatable brushes mounted in said hopper, gear means connecting said pair of brushes together, said brushes rotating in a direction towards each other, a driven sheave connected to one of said brushes, a motor arranged in said cabinet and adapted to be connected to a source of electrical energy, a pulley driven by said motor, a belt trained over said pulley and sheave, a suction device mounted in said cabinet below said hopper for inducing a down draft through said nipple between said rotating brushes for disposing of the dust as it is removed from the garment, and a dust receiving and filtering container carried by said door and operatively connected to the exhaust from said suction device by means of a flexible hose.

2,625,704

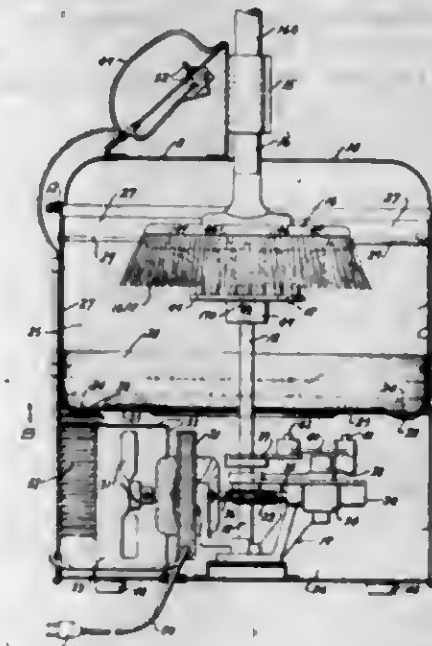
CLEANING AND DUST COLLECTING MACHINE FOR DRY MOPS

Ralph R. Cudy, Wayne County, Mich.

Application November 26, 1948, Serial No. 62,101
6 Claims. (Cl. 15-311)

1. A mop cleaner for dry mops comprising a housing including therein an upper mop clean-

ing compartment, a lower eduction compartment and a partition therebetween, an oscillating mechanism in the lower eduction compartment, an oscillating shaft actuated by the said oscillating mechanism extending upwardly from the said oscillating mechanism into the said mop cleaning compartment, a mop holder mounted on the upper end of the said oscillating shaft, the said partition between the said upper mop cleaning compartment and the lower eduction compartment having apertures therein, a removable dirt and dust container having a centrally apertured reticulated base positioned over the said upwardly



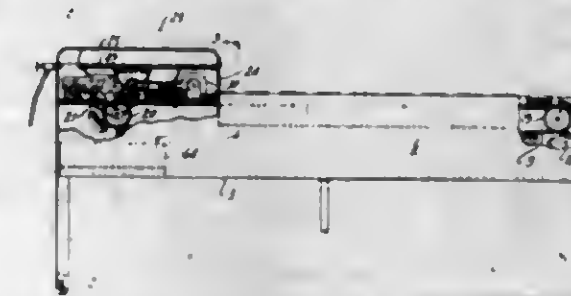
extending oscillating shaft and disposed within the said upper mop cleaning compartment over the said apertures in the said partition between the said upper mop cleaning compartment and the said lower eduction compartment, the said housing having louvers therein communicating with the said eduction compartment, an eduction fan disposed in the said eduction compartment withdrawing air therefrom whereby to cause dirt and dust shaken from a dry mop disposed on the said mop holder during the oscillation thereof to settle in the said removable dirt and dust container, and means driving the said oscillating mechanism and the said eduction fan.

2,625,705

APPARATUS FOR EVISCERATING SHRIMP

Albert J. Avetta and Theodore Scardamaglia, Pittsburgh, Pa.; said Scardamaglia assignor to said Avetta

Application December 2, 1949, Serial No. 130,782
6 Claims. (Cl. 17-2)



1. In apparatus for eviscerating shrimp, a frame, an endless conveyor mounted on said frame, a plurality of shrimp chucks mounted on said conveyor, each chuck comprising a pair of shrimp gripping members having inclined surfaces to form an open trough for laying the shrimp thereon, said gripping members being normally yieldingly biased to open position for re-

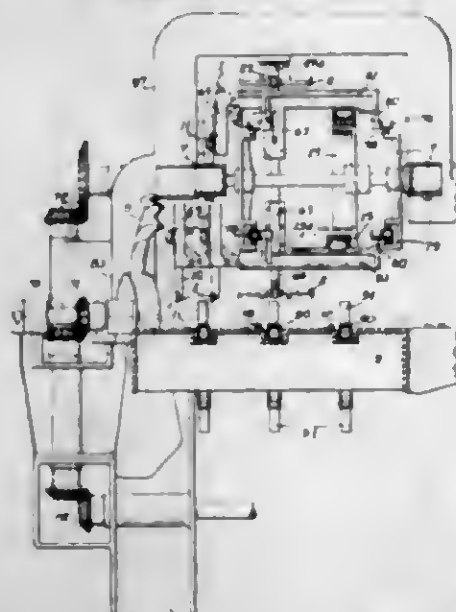
ceiving the shrimp, a slitting saw mounted on said frame above said endless conveyor, and a squeeze guide on said frame operatively associated with said shrimp gripping means adapted to engage the sides of the shrimp gripping members to thereby securely clamp the shrimp bodies therebetween while passing underneath the cutting saw.

2,625,706

LOCATOR FOR FISH

Norford L. Oates, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington
Original application October 29, 1947, Serial No. 782,865. Divided and this application July 11, 1952, Serial No. 298,233

17 Claims. (Cl. 17-4)



1. For use with a feed table along which individual fish are advanced lengthwise along a definite path, while each is disposed transversely of such path and each with its head at one side thereof, at definitely spaced intervals relative to preceding and following fish, to and past a precisely located beheading point within the general locus of the heads of the advancing fish, means to locate and control each fish during such advance and beheading, which means comprises a plurality of individual presser means, means supporting presser means in spaced relationship corresponding to the intervals between successive fish, and guiding the several presser means for movement along a path paralleling the path of advance of the individual fish, drive mechanism operatively connected to the presser means, to advance them synchronously with the fish, and while each is in contact with its individual fish, from a point ahead of the beheading point until each such fish has passed the beheading point, and fish-locating means operatively engageable with each advancing fish, including an element inclined with relation to the direction of advance, and located ahead of the beheading point, to shift each fish in the direction of its length, unless or until such fish lies in correct registry with the beheading point.

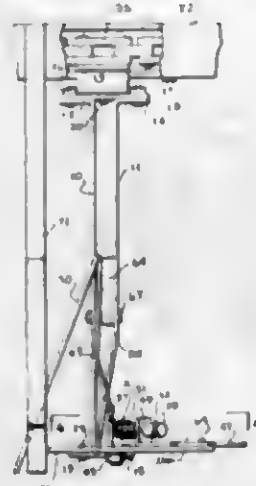
2,625,707

POULTRY SUSPENDING DEVICE

Joseph M. Littjohann, Des Moines, Iowa
Application July 11, 1950, Serial No. 173,031
6 Claims. (Cl. 17-44.1)

1. A poultry gambrel comprising a strut, means secured to said strut at one end thereof for attaching the strut to a conveyor chain, a flat plate secured to said strut at the other end thereof

and disposed substantially perpendicular to the longitudinal center line of said strut, a pair of extensions projecting from an edge of said plate in spaced apart and substantially parallel relationship to each other and disposed substantially in the plane of said plate with their inner edges mutually opposed, a pair of jaw assemblies pivotally mounted each at one end on said plate at respectively opposite sides of said strut and respectively overlying said extensions, each of said jaw assemblies including a flat jaw plate having mutually opposed portions diverging in a direction away from the pivotal connection between the corresponding jaw assembly and said plate and providing between them a V-shaped notch the inner end of which is disposed inwardly of the inner edge of the adjacent plate extension and the outer end of which opens to the distal edge of the jaw plate, a pivot pin pivotally mounted at one end in said plate and projecting from the latter in a direction toward said one end of said strut, an arm secured at one end to said pivot pin and extending from the latter substantially parallel to said plate, bracket means on said jaw plate slidably receiving said arm for movement of said jaw plate along said arm to-

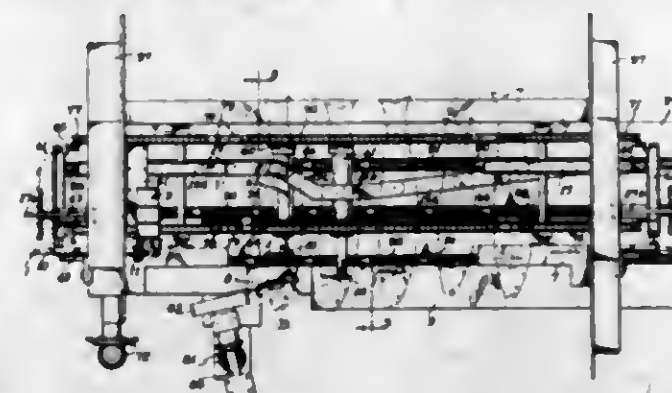


ward and away from said pivot pin, a compression spring surrounding said arm between said pivot pin and said bracket means resiliently urging said jaw plate away from said pivot pin, and stop means on said arm limiting movement of said bracket means away from said pivot pin by said compression springs, said jaw assemblies being moved toward each other to a position at which the notches in said jaw plates are disposed inwardly of the distal ends of the corresponding extensions to receive objects placed therein, and spring means connected to said jaw assemblies and resiliently urging the latter together when they are within a predetermined distance of each other and apart when they are more than said predetermined distance from each other, said extensions having their inner edges curved in a manner such that the inner edges of said extensions move relative to said jaw plates toward the inner ends of the notches in the latter as said jaw plates move in a direction from the distal toward the proximal ends of the corresponding extensions so that objects inserted into the notches in said jaw plates when the latter are positioned adjacent each other will be clamped between said jaw plates and the corresponding extensions when said jaw plates are positioned away from each other.

2,625,708

METHOD OF LOCATING FISH FOR BEHEADING

Norford L. Oates, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington
Application October 29, 1947, Serial No. 782,865
8 Claims. (Cl. 17-45)

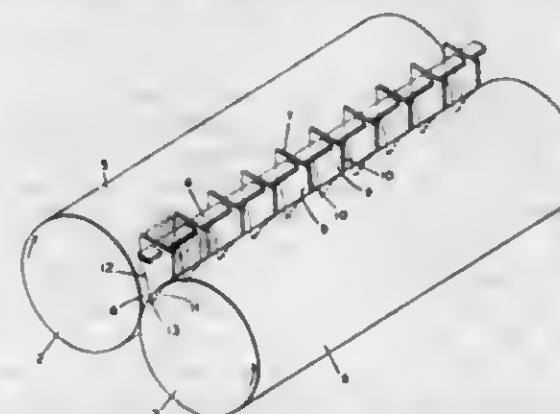


1. The method of beheading fish which comprises positively advancing successive fish while each is disposed flatwise and all with their heads in the same direction, along a predetermined path which is transverse to their length, to and beyond a definitely located beheading point; at such beheading point severing the head from the fish's body immediately behind its pectoral girdle, in synchronism with and during its advance; and applying a restraining force to each fish's body portion prior to and continuing through the beheading operation, to restrain displacement of such body portion during incidence of forces other than the advancing force, and during continuance of such restraining force.

2,625,709

METHOD AND APPARATUS FOR INTENSELY WORKING PLASTIC MATERIALS

Edward G. Schallier, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 29, 1948, Serial No. 57,243
12 Claims. (Cl. 18-2)

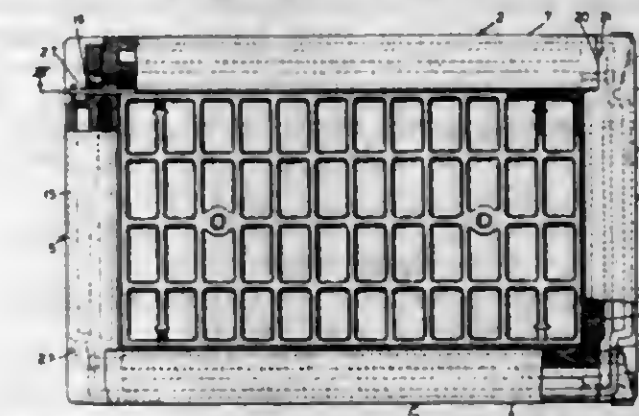


7. In an apparatus for intensely working plastic materials, the combination of a pair of rolls defining a nip therebetween for the extrusion of plastic material as a continuous sheet and a plurality of closely spaced, arcuately shaped dividers disposed in said nip, extending outwardly therefrom and terminating in apexes therein beyond which plastic material may flow in lateral motions generally along the length of said nip, said dividers comprising opposed, substantially flat, stationary working surfaces extending at an angle to the length of said nip and spaced so closely as to create turbulent motions in substantially all plastic material disposed between said surfaces and entering said nip.

2,625,710

MOLD STRUCTURE

Louis H. Lockwood, Rohrerstown, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application December 13, 1950, Serial No. 200,560
8 Claims. (Cl. 18-34)

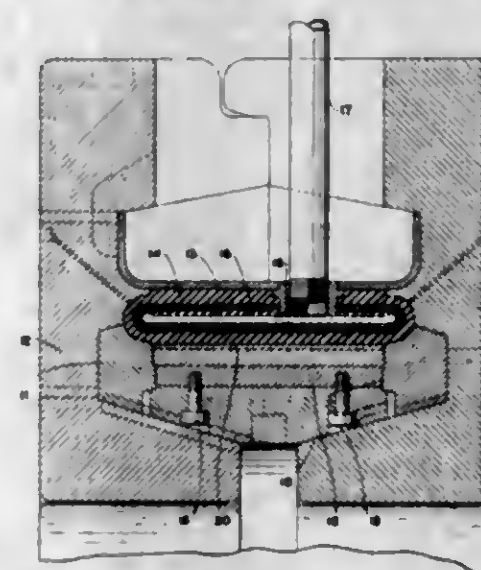


2. In a mold for the reception of material to be dielectrically heated, the combination of four wall units, each of which comprises an upper metal frame member, a lower metal frame member, a panel of dielectric material, the upper and lower edges of which are received within pockets provided in said upper and lower metal frame members, and metal fastenings received in said metal frame members removably joining said wall units together at said upper and lower metal frame members and bringing the edges of two of said panels of dielectric material into abutting relationship with the other two panels to form a mold the walls of which are constituted of dielectric material and have separate electrically connected metal conductors extending around the upper and lower peripheries thereof at the inner and outer surfaces of said panels of dielectric material.

2,625,711

MOLDING APPARATUS FOR SHAPING FLUID DISTENSIBLE BAGS FOR ACTUATION OF CLUTCHES AND BRAKES

Thomas L. Fawick, Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc., a corporation of Indiana
Application March 3, 1949, Serial No. 79,424
3 Claims. (Cl. 18-35)



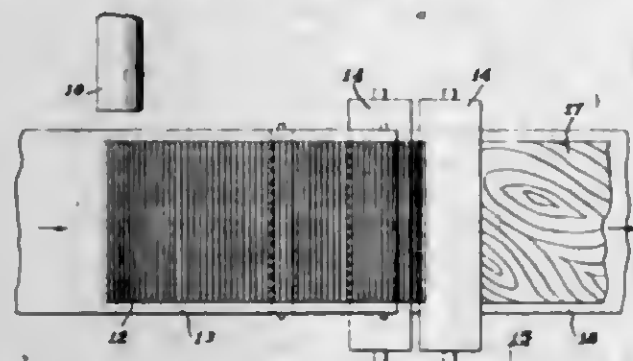
1. Molding apparatus for shaping the tread face of a fluid-distensible annular bag for effecting frictional engagement between relatively rotatable structures, said apparatus comprising an enclosing mold defining a molding cavity of greater axial than radial dimension for externally shaping the bag, and means for supplying fluid

under pressure to the interior of the bag for distending the bag in the mold, one of the elements of the said mold being a molding ring having a circumferentially spaced set of projections shaped for molding wear-shoe-anchoring recesses in said tread face and having, between the base of each such projection and the base of the next such projection, along the great circle of the assembly, a recessional molding face having its greatest recession in its middle region, the said recessional molding faces constituting only moderate departures from a great circle of the assembly as compared with the said recess-molding projections.

2,625,712

METHOD OF MAKING MOTTLED PLASTIC SHEET MATERIAL

Le Roy Eaby, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 26, 1949, Serial No. 129,546
9 Claims. (Cl. 18-48.8)



5. In the method of making variegated plastic sheet material, the steps including feeding a mass of mottle-colored rods comprising intermixed ground and variegating color compositions, said variegating color compositions being distributed longitudinally of said rods, in random arrangement into the nip of a sheeting calender in a quantity to maintain a bank of said rods in the nip with the length of the rods substantially parallel to the axes of the calender rolls, said rods being of a length no greater than the width of the sheet material to be formed, and irregularly blending the ground and variegating color compositions of the rods to distribute the variegating color composition laterally by compression of the mass of mottle-colored rods into the nip and through the calender rolls into a sheet formed substantially wholly of said rods disposed substantially parallel to the axes of the calender rolls, and uniting the rods into an irregularly blended variegated sheet in which the grainings is directed both longitudinally and transversely of the sheet and extends substantially throughout the thickness of the sheet from the face to the back thereof.

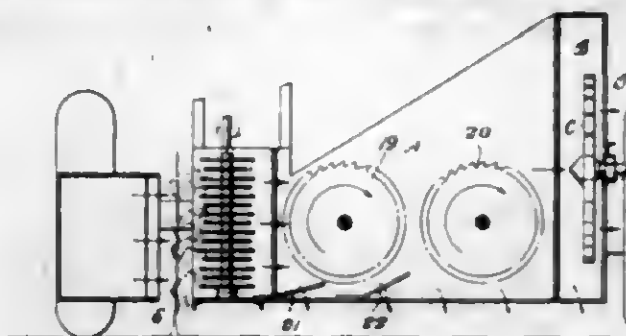
2,625,713

FIBER TRANSFER AND CLEANING MEANS

Alexander R. Nisbet, Sr., San Angelo, Tex.
Application October 4, 1950, Serial No. 188,399
10 Claims. (Cl. 19-93)

1. A cotton cleaner and conveyor comprising a frame or casing having spaced side walls forming between them a transfer passage open at the bottom and having an inlet at one end and an outlet at the other, means including a blower located at the entrance to said transfer passage for feeding cotton into and through said passage, cotton cleaning means in said passage comprising a toothed separator roller formed of spaced saw disks mounted for rotation on a horizontal axis

between said side walls, a screen located in said passage beneath and slightly in advance of said separator roller comprising a series of parallel upwardly and forwardly inclined rods adapted to allow heavy trash to fall between the rods and

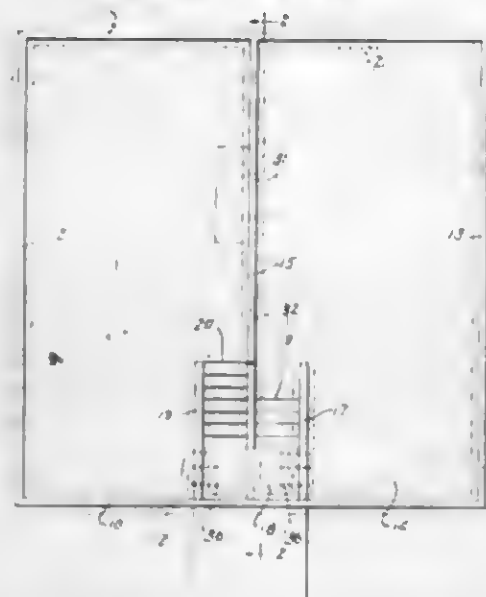


through the open bottom and serving to direct the cotton upwardly against the separator roller under the influence of said blast, the space between the saws being substantially unobstructed, thereby permitting air and dirt particles to pass freely therethrough.

2,625,714

FUNCTIONAL TYPE HOUSE

Harry Stanley Clark and Iva G. Clark, Lima, Ohio
Application July 6, 1948, Serial No. 37,123
2 Claims. (Cl. 20-1.1)



1. A building structure comprising a vertically disposed foundation wall extended downwardly into the ground, a main floor positioned adjacent the lower end of said foundation wall, wherein the foundation wall forms a lower section of a building wall thereon, a horizontally disposed landing extending from the upper edge of the foundation wall inwardly, vertically disposed partitions at the ends of the landing, a center wall intermediate of the partitions and extending continuously through the foundation wall, stairs positioned contiguous to said center wall leading from the landing downwardly to the main floor and stairs leading from the landing upwardly to a floor positioned on the upper ends of the partitions and center wall.

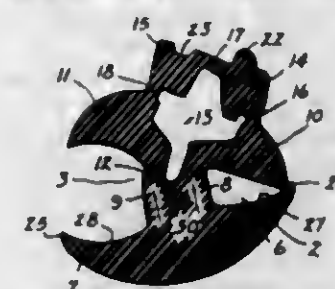
2,625,715

FLEXIBLE TOGGLE SEAL

Howard G. Beck, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 6, 1949, Serial No. 119,852
8 Claims. (Cl. 20-56.4)

1. A flexible linear seal of rubberlike material for joining adjacent edges of rigid panellike

structures together, said seal having a body portion of uniform cross section with two spaced and generally opposite linear grooves therein, a hollow in said body between said grooves and toggle joint means comprising two interfitting toggle joint elements stable against transverse folding, each of said toggle joint elements being connected to opposite sides of said hollow, said toggle joint elements and said hollow being pro-

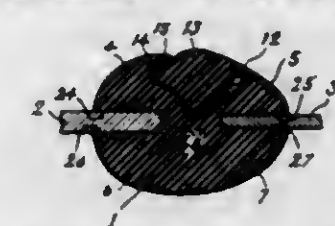


portioned so that said toggle joint elements can both be pressed together and sprung into said hollow to thereby compress portions of the body of the seal around edge portions of panels in said grooves to hold said edge portions firmly therein and to cause said toggle joint elements to be held and locked in said hollow by resulting pressure exerted from the body of the seal pressing upon them.

2,625,716

FLEXIBLE WINDSHIELD MOUNTING

Howard G. Beck, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 14, 1950, Serial No. 138,671
12 Claims. (Cl. 20-56.4)



2. A flexible linear mounting of rubberlike material for joining adjacent panel edges comprising a body of uniform cross-section with two spaced and generally opposite grooves therein, a longitudinal opening in said body between said grooves, and a filler integrally hinged to said body along one edge of said opening, said opening and filler being so proportioned that after the panel edges have been fitted into the spaced grooves the opening tightly receives the filler and the flexible filler compresses portions of the body of the rubberlike material against the portions of the panels in said grooves to hold them firmly and said filler is held in position by the body of the mounting pressing against it.

2,625,717

MULTIPLE SHEET GLAZING UNIT

Roy W. Wampler and Charles M. Browne, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 12, 1945, Serial No. 599,100
10 Claims. (Cl. 20-56.5)



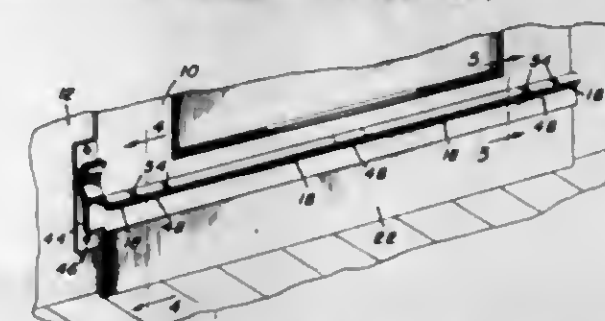
3. A multiple sheet glazing unit, including two sheets of glass, a metal frame maintaining said

sheets in spaced face to face relation, said frame being provided with a vent hole to avoid the building up of excessive pressures in the unit during use, a spacer strip lying inwardly of the edges of one of the glass sheets and between said sheet and said frame, and a silica base cement filling the space enclosed on one side by the glass sheet, on another by the frame and on a third by said spacer strip.

2,625,718

DRAFT PREVENTING ATTACHMENT FOR DOORS

Charles E. Ketcham, South Gate, Calif.
Application August 25, 1949, Serial No. 112,356
1 Claim. (Cl. 20-67)



A door seal comprising a blade of flexible material, a blade holder secured to said blade, a hinge pin pivotally securing said holder to the vertical surface of a door adjacent the lower end thereof, said blade being positioned for engagement with the floor and for closing the space between the door and floor, resilient means interposed between said holder and door and surrounding said hinge pin and urging said blade holder and blade into a raised position, an integral arm on said holder for engagement with the door frame to urge said holder and blade into their lowered position when said door is closed, said holder comprising an elongated sheet of metal folded on its medial longitudinal axis to form curved hinge portions, said sheet having longitudinally spaced openings on said medial longitudinal axis forming notches when said sheet is folded, the folded portions of said sheet embracing said blade, brackets supporting said pin from said door, said notches receiving said brackets, said sheet having a longitudinally extending laterally enlarged portion folded along a medial transverse line to form said arm.

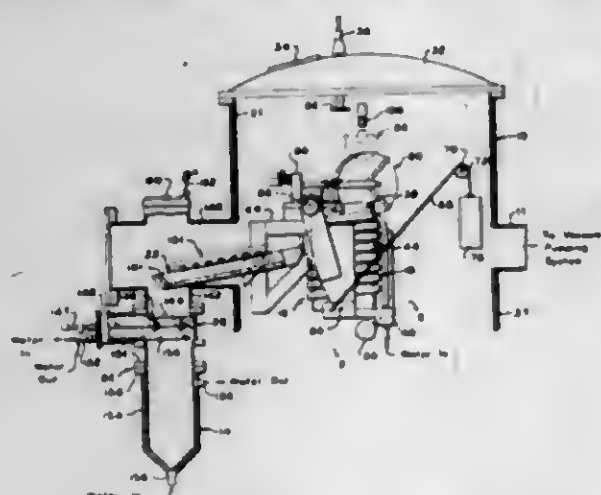
2,625,719

VACUUM CASTING APPARATUS

James H. Moore, Swampscott, Mass., assignor to National Research Corporation, Middlesex County, Mass., a corporation of Massachusetts
Application September 27, 1950, Serial No. 187,016
4 Claims. (Cl. 22-73)

1. A semi-continuous furnace for melting and casting a metal, alloy or the like under a vacuum, said furnace comprising a vacuum-tight furnace chamber, a metal-melting crucible in said furnace chamber, means for evacuating said furnace chamber, means forming a second vacuum-tight chamber communicating with said furnace chamber and laterally displaced from said crucible, means for evacuating said second vacuum-tight chamber, means for introducing a solid metal to be melted into said second vacuum-tight chamber, said introducing means including a vacuum-tight closure, a second vacuum-tight closure positioned between said furnace chamber and said second vacuum-tight chamber for isolating said two vacuum-tight chambers, a movable bucket for transferring said metal from said second

vacuum-tight chamber to said furnace chamber, means for positioning said bucket so that the contents thereof can be poured into said crucible, electrical means for heating said metal in said crucible to a temperature above its melting point, means for discharging molten metal from said

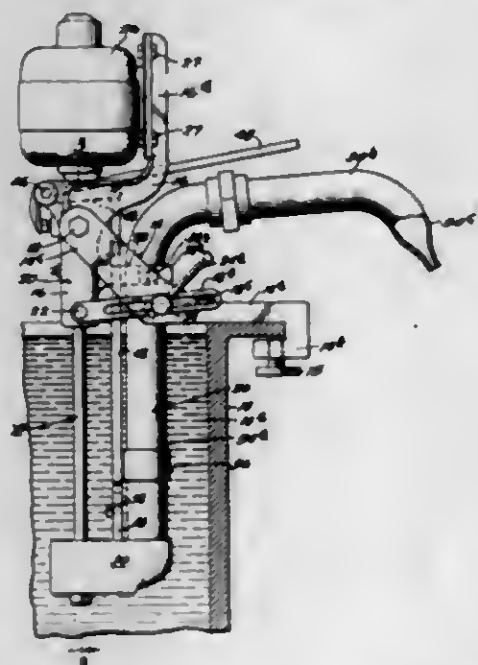


crucible into a mold therefor, means constituting a vacuum-tight closure for isolating said mold from said furnace chamber after pouring said molten metal into said mold, and means including a vacuum-tight closure for removal of said isolated mold from said furnace.

2,625,720

PUMP FOR TYPE CASTING

John R. Ross, Chicago, Ill., assignor to International Newspaper Supply Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1949, Serial No. 133,405
4 Claims. (Cl. 22-79)



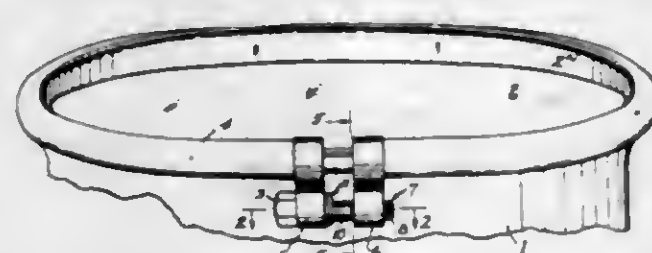
1. A pump adapted for transferring molten type metal from a pot to a type cast, comprising an elongated frame having means connected thereto for suspending said frame with the bottom portion thereof submerged within said pot, a hollow housing providing therein an impeller chamber secured to the lower portion of said frame, said chamber having an outlet opening and an open bottom providing an inlet opening communicating directly with the interior of said pot when said pump is suspended therein, a pipe terminating in a nozzle connected to said outlet opening and adapted to extend upwardly

over the side of said pot, a gate valve means located adjacent said pipe to slide across said outlet opening and thereby control the flow of metal therethrough, said gate valve means including a slidably mounted gate member moving from open to closed position through a generally vertical plane, said gate member being linked to an elevating handle mounted on the upper portion of said frame and arranged thereon so that said gate member when raised in open position will be lowered and closed automatically by gravitational force when said handle is released, a motor mounted on the upper portion of said frame, a rotatably suspended shaft driven by said motor and the lower end thereof extending into said impeller chamber, and an impeller mounted on the end of said shaft immediately above said inlet opening for rotation within said housing but in close spacial proximity to said inlet opening, whereby said impeller is effective in pumping the type metal through said pipe when said gate valve means is open while serving as a mixing agitator to maintain uniformity in said type metal within the pot when said gate valve means is in its normally closed position.

2,625,721

CLOSURE LOCKING RING FOR CONTAINERS

William Lockhart, Cleveland, Ohio; Sadie Lockhart executrix of said William Lockhart, deceased, assignor to Sadie Lockhart
Application September 2, 1948, Serial No. 47,498
1 Claim. (Cl. 24-68)

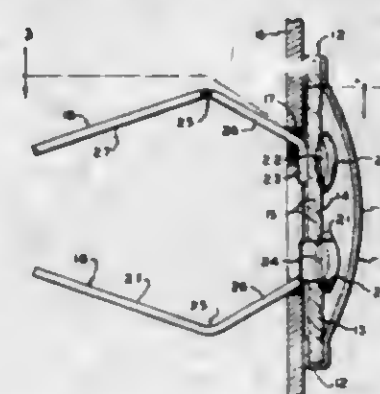


Clamping means for securing the closures of end-opening containers, said means having in combination a transversely split ring with a laterally projecting lug structure at each end thereof, the said lug structures being apertured and one of them internally threaded; means for contracting the ring comprising a headed bolt with an elongated threaded zone to operatively engage the aperture of the internally threaded lug structure of the ring, the said bolt being slidably mounted for independent longitudinal and rotary movements in the aperture of the other lug structure of the ring with the bolt head disposed to engage the side of said other lug structure remote from the threaded lug structure and the stem of the bolt having an elongated zone having a perpendicular distance from the bolt axis which is substantially less than the radius of the crest of the bolt thread and extending longitudinally of the bolt from a point only a little short of the threaded end thereof toward the head of the bolt in extensive overlapping relation with the said threaded zone; and stop means cooperatively associated with the said zone of smaller radial dimension and the ring lug structure in which the bolt is slidably mounted, for preventing complete longitudinal withdrawal of the bolt from the said lug structure but not its rotation therein, the length of the bolt zone of smaller radial dimension being many times the dimension of the stop means lengthwise of the bolt to permit a long non-rotary incomplete withdrawal movement of the bolt from the said lug structure.

2,625,722

FASTENER

Charles Dowling West, Orlando, Fla.
Application August 20, 1949, Serial No. 111,365
5 Claims. (Cl. 24-73)



4. A fastener for securing an element to a body having an opening comprising a serrated member with the serrations spaced longitudinally thereof, said serrated member being of a length to extend across said opening, a pair of resilient clips each having jaws embracing said serrated member, each clip interengaging with at least one of said serrations and adjustable along said serrated member, said clips having legs flaring outwardly from said serrated member so that the legs may be moved together for insertion in said opening and after insertion the fastener will be secured to said body by the reaction of said flaring legs and said serrated member.

2,625,723

BENDABLE PRONG PAPER FASTENING CLIP

William E. Bassett, Woodbridge, Conn., assignor to The W. E. Bassett Company, Derby, Conn., a corporation of Connecticut
Application April 7, 1951, Serial No. 219,806
1 Claim. (Cl. 24-153)

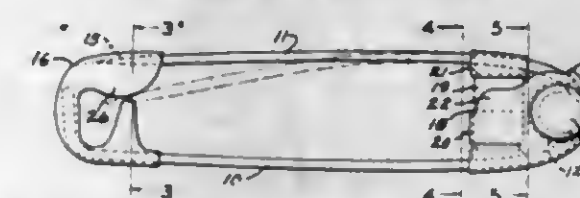


A bendable sheet metal fastener comprising a single piece bent between its ends to form two sections extending at an angle to each other and bendable further to locking position, one of said sections having a struck up pointed tongue extending toward the other section, said other section having a transverse slit therein and the metal at one side of said slit being struck up in the form of a hood providing a concave anvil surface to be engaged by said tongue, whereby said tongue will be cammed into locking position by said anvil surface when said sections are pressed toward each other to locking position, said tongue before being engaged by said hood and when said fastener is in normal open position having its base portion at substantially right angles to the section carrying said tongue, and said tongue beyond said base portion being inclined inwardly in the angle between the sections, and the sharp end of said tongue being further curved to further incline the point for the purpose set forth, said sharp end of said tongue being arched or curved transversely to present a convex surface both longitudinally and transversely to said anvil surface.

2,625,724

SAFETY PIN

Julian E. Sampson, St. Louis, Mo.
Application October 16, 1950, Serial No. 190,386
1 Claim. (Cl. 24-156)



In a safety pin, a pair of arms hinged together at one end, one being pointed, a latch on the outer end of the other arm, a recess in the outer surface of said latch for shielding the point of said pointed arm when said arms are in normally closed position and magnets attached to said arms for holding said pointed arm in position in said recess.

2,625,725

PIN FASTENER

Julian E. Sampson, St. Louis, Mo.
Application October 16, 1950, Serial No. 190,385
1 Claim. (Cl. 24-160)



In a pin fastener, a U-shaped member having a pair of arms spaced apart for receiving material which is to be fastened, one arm of said U-shaped member being relatively wide and having flat inner and outer surfaces and rounded longitudinal edge portions, the other arm of said U-shaped member being relatively narrow in width and overlying the first arm medially thereof and throughout its length and terminating at its outer end in a downwardly facing shoulder, the outer upper longitudinal face of the narrow arm being reduced in vertical height from an upwardly extending boss at its inner end and throughout its length, arcuate openings in said arms lying in parallel arcs, the arm connecting portion of said U-shaped member converging upwardly from the first arm and merging with the second arm, a pivot pin opening formed in the narrow arm at its junction with the connecting portion, a pivot pin in said opening, a lever of relatively thin material and U-shaped in cross section mounted on said pin and adapted to seat on the top reduced surface of the relatively narrow arm when in closed position, said lever terminating in an end hook portion for engagement with the end shoulder of said arm to secure the parts against separation, and pin members of arcuate form carried by said lever and adapted to operate through said arcuate openings.

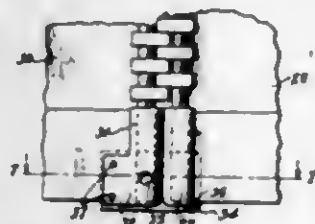
2,625,726

SLIDE FASTENER

Ben R. Austin, New York, N. Y.
Application August 4, 1949, Serial No. 108,645
2 Claims. (Cl. 24-205.11)

1. In a slide fastener, the combination of a pair of flexible tapes, scoops on said tapes, a slider for meshing and unmeshing said scoops, a pin on the starting end of the second of said tapes, a block on the starting end of the first of said tapes, and a pin retainer case pivotally mounted on said block for releasably securing said pin, said block

consisting of a pinlike member with wings engaging the sides of said case and offering resistance to pivotal movement of said case, said



block having apertures which serve as a fulcrum for said case, and cooperating protuberances and concavities on said block and case which engage to restrain said case in pin retaining position.

2,625,727

CLIP FOR BICYCLE HANDLE BARS

Mary Berger Chappel, Tucson, Ariz.
Application March 3, 1950, Serial No. 147,549
1 Claim. (Cl. 24—259)

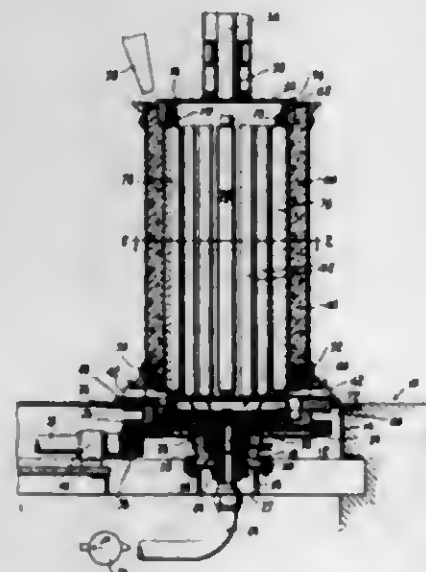


A resilient clip formed from a rectangular strip of spring steel having a planar central top portion, gripping arms extending downwardly from opposite ends of said planar portion, warped sections extending downwardly from said arms with the adjacent elements of said warped surfaces parallel to each other and to the planar top, and gripping spring arms extending downwardly from said warped surfaces to grasp an object at a right angle to an object to be held by the first arm.

2,625,728

CONCRETE PIPE-FORMING MACHINE, INCLUDING MEANS FOR EXTRACTING EXCESS FLUIDS BY VACUUM

Hector X. Eschenbrenner, Columbus, Ohio
Application January 5, 1951, Serial No. 204,551
6 Claims. (Cl. 25—30)



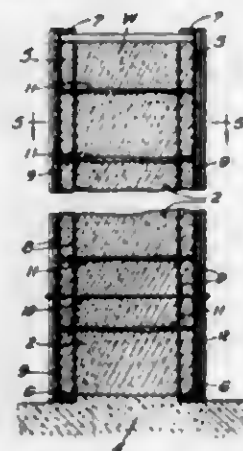
1. A machine for forming tubular cementitious bodies comprising a cylindrical outer form; a cylindrical inner core movable axially of said outer form and having an outer side wall dis-

posed in concentrically spaced relation to said outer form and defining therewith an annular chamber for the reception of a cementitious mix; a plurality of mix-compacting rolls journaled in said inner core and extending longitudinally thereof, said rolls being arranged in relatively spaced parallel order about the periphery of said inner core and projecting slightly outwardly into the annular chamber formed between said outer form and said inner core for direct engagement with a mix introduced within said chamber, the outer wall of said core between said rolls being formed with a plurality of openings communicating with the mix-receiving chamber; means in said inner core defining a substantially enclosed chamber in communication with the openings formed in said core; means for establishing subatmospheric pressures within said last-named chamber and at the openings formed in the outside wall of said core; and means for imparting axial rotation to said outer form and to a mix received in the mix-receiving chamber, whereby to circulate such a mix around said inner core and relative to the openings formed in said inner core, said rolls serving, during rotation of said mix, to compact the same against the inner side wall of said outer form and to express from said mix excess fluids present therein, the openings formed in the outer wall of said core serving to carry off excess fluids expressed from said mix by said rolls.

2,625,729

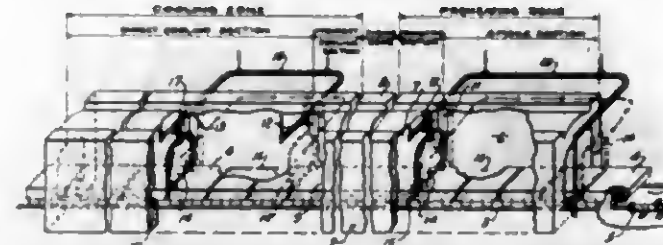
METHOD OF CONSTRUCTING BUILDINGS

Henry A. Ingalls, Bakersfield, Calif.
Application December 22, 1947, Serial No. 793,200
2 Claims. (Cl. 25—156)



1. The herein described method of constructing a building comprising dividing soil while the same is in situ to reduce the same to a loose more or less finely divided mass, simultaneously incorporating measured quantities of water in the mass in a quantity to constitute an upwardly moving hydrostatic head when down pressure is applied adjacent the upper surface of the mass, and simultaneously incorporating controlled portions of oil in the mass adjacent the upper surface thereof during the incorporation of the water therein, then applying a compacting pressure to the mass from the upper surface thereof to cause the water when rising to carry the oil vertically upward through the mass and thus gradually fill the voids in the mass to seal the upper surface to the mass to provide a floor, and dividing other soil to similarly reduce the same and incorporating water and oil in the same removing said soil, arranging it in forms for wall construction, and compacting the same as the forms are filled.

2,625,730

PROCESS FOR FIRING CERAMIC ARTICLES
Gottfried Marius Josef Cremer, Frechen,
near Cologne, Germany
Application September 24, 1949, Serial No. 117,693
In Great Britain July 7, 1949
3 Claims. (Cl. 25—157)

1. A process for firing ceramic products in an open ended directly heated tunnel kiln having successively arranged preheating, burning and cooling zones which consists in substantially continuously advancing groups of products to be burned arranged in close uninterrupted sequence, recurrently establishing a translatory seal at the inlet end of the kiln to travel along with the associated groups, removing the seal after passage thereof through a predetermined portion of the preheating zone, similarly and recurrently establishing a translatory seal to travel with the associated groups through a predetermined portion of the cooling zone, and removing the latter seal after passage thereof through such predetermined portion.

2,625,731

BURIAL CASKET

Sam Richmond, Newtown, Ohio, assignor to The Edwards Manufacturing Co., Cincinnati, Ohio, a corporation of Ohio
Application March 15, 1950, Serial No. 149,668
8 Claims. (Cl. 27—17)



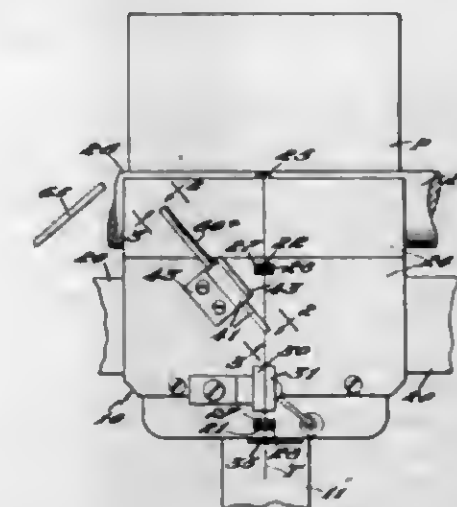
1. A burial casket construction comprising in combination, a main body section having a circumferential rim, the outer upper edge of which is inclined inwardly and upwardly all around the body section to furnish part of a circumferential gasket seat, a lid member including a rim adapted to overlie the circumferential rim of the body section when the lid is closed thereon, the rim of the lid member having a lower outer edge inwardly and downwardly inclined all around the lid member to furnish the remaining part of the circumferential gasket seat, the innermost limits of said inclinations at the edges of the rims meeting on a parting line at the joint formed between the body section and the lid member when closed thereon, a gasket in the form of an endless resilient band of rubber-like material the circumference of which when unstretched is less than the circumference of the casket body rim at the parting line aforesaid, whereby stretching of the band is required for seating thereof within the circumferential gasket seat in a tensioned condition when the lid member is closed upon the body section.

the band including areas to simultaneously cover the parting line and firmly abut in sealing contact the aforesaid areas of inclination on both the body section and the lid member at opposite sides of the parting line, said band having an initial inner configuration corresponding substantially with the contour of the gasket seat as determined by the areas of inclination aforesaid when the lid member rim is closed upon the body section rim.

2,625,732

SLUB CATCHER

Samuel L. Abbott, Wilton, N. H.
Application November 19, 1948, Serial No. 60,847
12 Claims. (Cl. 28—64)



1. A slub-catcher including slot-defining portions defining a first slot of a width to permit passage therethrough of the normal thread and having its entering side inclined to the path of the thread so that upon encountering an enlargement such enlargement and the thread are deflected laterally; and further slot-defining portions located in advance of said first slot and defining a second slot also having its entering side inclined to the path of the thread, said second slot being in position to receive thread so deflected by the first slot and likewise being of a width to permit passage therethrough of the normal thread, and having a reduced-width extension extending laterally beyond the path of the thread as deflected by said first slot alone, said reduced width extension being in position to receive thread deflected therein by an enlargement encountering said second slot, and having a portion of materially narrower width than either said first or second slots, to break the thread.

2,625,733

UNWOVEN FABRIC

Horace A. Secrist, Dedham, Mass., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts

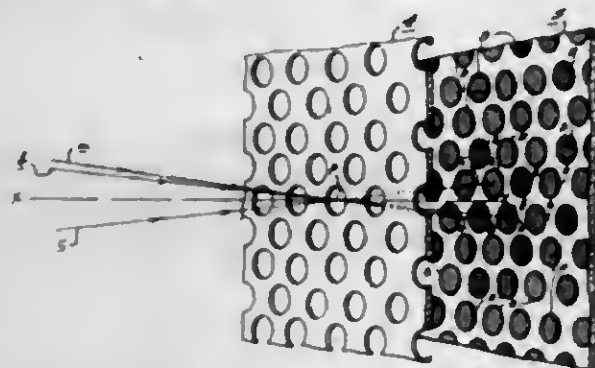
No Drawing. Application June 30, 1949,
Serial No. 102,439
6 Claims. (Cl. 28—72.3)

1. The method of making a non-woven, felt-like fabric which comprises chemically shrinking a shaped body consisting essentially of loosely integrated, unspun cotton textile fibers to an area less than about 40% of said shaped body and mechanically drafting the shrunken body to increase the area thereof from about 8 to about 45%, whereby the clingability, thickness, and softness of said shrunken body are substantially increased.

2,625,734

ART OF MAKING COLOR-KINESCOPES, ETC.
Harold B. Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 28, 1950, Serial No. 158,901
3 Claims. (Cl. 29—25.13)



1. In the art of manufacturing cathode-ray color tubes of the kind having a center-of-scan and containing a color-screen unit comprising: (a) a taut thin-metal electrode having a multiplicity of systematically arranged dot-like apertures therein through which beam-electrons pass along different angularly related paths in their transit from said center-of-scan to (b) a screen-plate having a target surface made up of a multiplicity of systematically arranged groups of dot-like electron-sensitive target areas of different color-response characteristics and (c) a frame upon which said apertured electrode and said screen-plate are supported in spaced-apart relationship with the different dot-like target areas of each group located at the terminals of respectively different ones of said angularly related electron-paths; the method of making a screen-plate of the kind described and of mounting said screen plate on said frame in the proper location with respect to said apertured electrode to provide an operative color-screen unit irrespective of minor departures from a standard in the tensioning forces employed in securing said apertured electrode tautly on said frame; said method comprising: (1) placing a photographic plate adjacent to said frame in a plane spaced from said tautly mounted apertured electrode, (2) directing radiant energy through the dot-like apertures in said electrode from a point corresponding to a point at the center-of-scan of said cathode-ray tube, (3) taking a photograph on said photographic plate of the dot-like pattern resulting from the passage of said radiant energy through said apertures, (4) removing said photographic plate from its said position, (5) successively applying electron-sensitive materials of each color-response characteristic to said screen-plate in the dot-like pattern disclosed by said photographic plate and in accordance with said systematic group arrangement, and then (6) securing said sensitized screen-plate to said frame in the plane and position formerly occupied by said photographic plate.

2,625,735

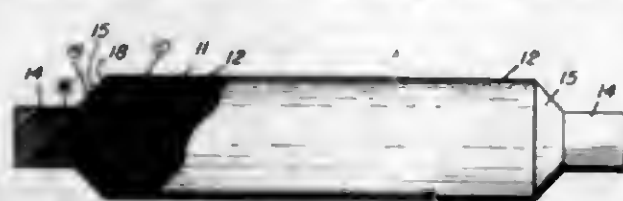
END SEAL FOR PRINTING ROLLERS

Joseph J. Hltov, Belleville, N. J., assignor to Resistoflex Corporation, Belleville, N. J., a corporation of New York

Application December 7, 1948, Serial No. 63,905
4 Claims. (Cl. 29—119)

1. In a printing roller having a core, an outer cover on said core of material characterized by the property of non-adherence to the material of the core, and a separate bonding layer there-

between adhered on one side to the core and on the other side to said cover which layer includes adhesive and fibrous material having a wick action; an end seal adapted to protect said bonding layer comprising a surface on said core displaced radially inwardly from the end of said bonding layer, a ring of resilient material of a composition similar to that of said cover tightly



engaging said surface by being stretched thereover, said ring extending radially outwardly into engagement with a continuous surface of said cover adjacent an end thereof, said ring and said cover having their contiguous surfaces fused together and said ring extending across the end of said bonding layer and radially inwardly past the end thereof.

2,625,736

METHOD OF MAKING A TWO-PART BALL CONSTRUCTION

Reynold E. Klages, Columbus, Ohio, assignor to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio

Application April 1, 1946, Serial No. 658,775
1 Claim. (Cl. 29—148)



In a method of making the ball part for a ball joint assembly having a solid integral stud and half ball unit with a maximum diameter of the ball part for a given stud, providing a cylindrical stock of material of a diameter substantially the minimum diameter of a portion of the stud shank and the length of that portion of said stock provided for formation into said stud and half ball unit being such that the volume is approximately four and a half times said diameter of the cylindrical stock to have sufficient volume per unit of length to make a joint unit with a combined integral stud having a maximum-sized solid half ball and an integral central extending portion thereon; completely shaping the unit to form a solid half ball integral with the shank by cold heading said stock with two blows in a cold heading machine; providing simultaneously therewith an interconnecting shoulder thereon; forming a separate hollow cooperating ball part complementary to said first one half ball part; assembling the two parts; and finally permanently connecting the rim of the hollow part to said shoulder of the stud and one half ball part.

2,625,737

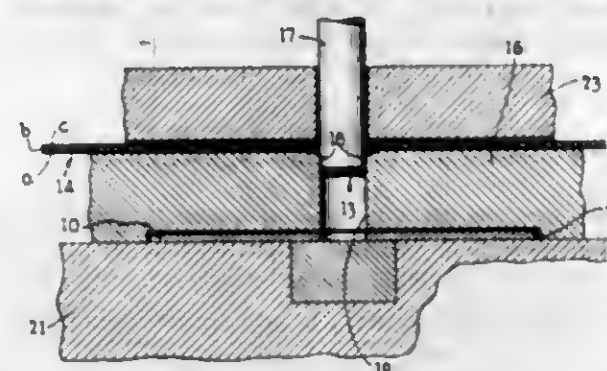
METHOD OF MAKING ELECTRICAL CONTACTS

Howard E. Spooner, Attleboro, Mass., assignor to D. E. Makepeace Company, Attleboro, Mass., a corporation of Massachusetts

Application August 25, 1950, Serial No. 181,449
3 Claims. (Cl. 29—155.55)

1. The method of making an electrical contact from a base metal strip including at least one disc-like plug formed from a laminated stock having a precious metal top layer and a bottom

layer of solder, said method comprising the steps of inserting said plug with its bottom layer facing said strip into a hole in said strip while simultaneously causing solder to be drawn up around the sides of said disc, bonding said plug at its peripheral surfaces in said hole in the strip by heating said plug and strip assembly to a tem-



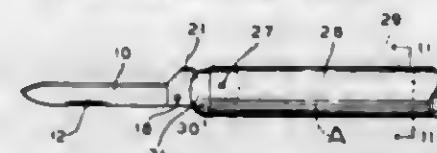
perature sufficient to cause said solder to bond the peripheral sides of said plug to the walls of said hole to form a completed base strip capable of being further worked, and thereafter forming a projection in the bonded assembly including at least said plug with its precious metal layer being projected forward to serve as the contact point.

2,625,738

PIVOTED KNIFE BLADE ASSEMBLY

Francis E. Gruber, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.

Application March 24, 1947, Serial No. 736,664
3 Claims. (Cl. 30—155)



1. A knife blade unit assembly including a knife blade formed of thin steel, reinforcing plates positioned on either side of the base of said blade, a rivet fixing said plates to said blade, intumed flanges on the lower edges of said plates engaging the lower edge of the base of said blade, a one-piece unit channel support for said blade, a hollow rivet pivotally supporting said blade in said channel, a casing for supporting said blade and channel, and a rivet extending through said blade, plates, hollow rivet and casing to pivotally support said blade and to secure said channel unit within said casing.

2,625,739

ABSORBENT PAD HOLDER WITH RETAINING CLAMP STRUCTURE

Herman A. Garmers, Minneapolis, Minn.

Application June 5, 1950, Serial No. 166,133
6 Claims. (Cl. 32—35)



1. A cotton roll holder comprising a pair of interconnected roll retaining elements disposed

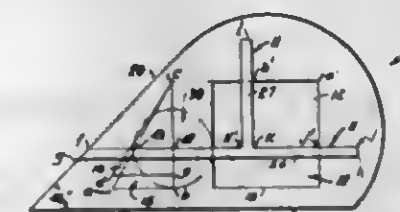
in substantially parallel laterally spaced relation and forming an outer retaining element and an inner retaining element, a depending clamp mounting arm connected to the outer roll retaining element and disposed directly laterally outwardly thereof to overlie the adjacent portion of the lower lip and extending downwardly therefrom below the mandible border, a clamp shiftably mounted on said arm for clamping engagement against the under side of the lateral portion of the mandible border.

2,625,740

CIRCLE SQUARE

Adele S. Raettig, Hoboken, N. J.

Application May 8, 1951, Serial No. 225,117
5 Claims. (Cl. 33—1)



1. A device for converting the areas of circles within predetermined limits into squares of equal area or conversely, the device comprising a flat transparent body, the body having a right angle triangle formed thereon, the base of the triangle being equal in length to the radius of the circle of maximum limit and the perpendicular of the triangle being equal in length to the side of a square having an area equal to the area of the circle of maximum limit, the body further having a square opening formed therein, one side of the square opening having the upper end thereof on a line which when projected will intersect the top of the perpendicular of the triangle at 90° and the base of the square opening being aligned with the base of the triangle, means for transferring any point on the perpendicular of the triangle to the square opening along a line parallel to the base of the triangle and intersecting at least one of the sides of the square opening, the transferred point being spaced from the point of intersection a distance equal to the distance from the top of the perpendicular of the triangle to the point thereon being transferred, and means for inscribing a square in the square opening using the transferred point as one corner of the inscribed square and one of the corners of the square opening along the upper edge thereof as the opposite corner of the inscribed square.

2,625,741

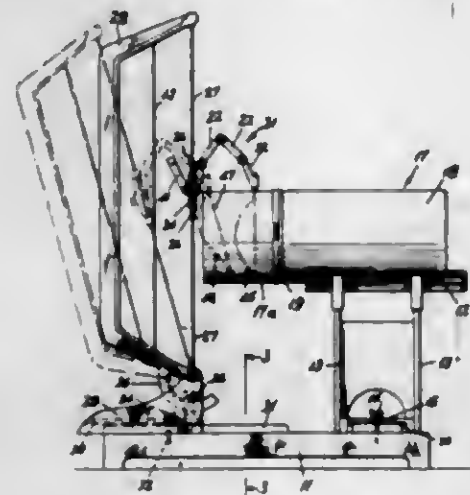
MACHINE FOR DETERMINING PIPE CONTOURS IN PIPE JOINTS

Alexander Jenson, Stratford, Conn.

Application August 7, 1948, Serial No. 43,047
13 Claims. (Cl. 33—21)

3. A machine for making a template for use in cutting a branch pipe end for connection to a main pipe comprising in combination, means for holding template material in a shape and a relative position corresponding to the branch pipe to be cut, a template marking device adjustable in accordance with the radius of the main pipe, and a movable support for said template marking device mounted for movement during marking

along a line located beyond the end of the template material and coinciding with the axis of

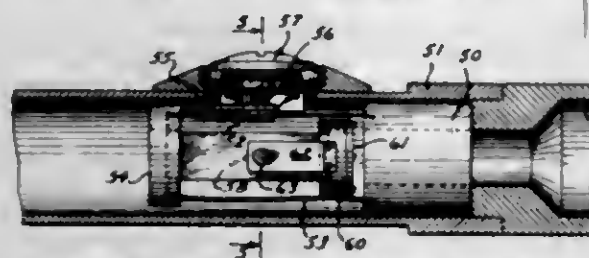


the main pipe to which the branch pipe end is to be connected.

2,625,742

RETICLE MOUNT AND ADJUSTING MECHANISM

John Lionel Rawlings, Elmont, N. Y., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y., a corporation of New York
Application June 14, 1948, Serial No. 32,917
7 Claims. (Cl. 33-50)



1. A reticle mount for telescopic devices, comprising a tubular support adapted to be mounted in a telescope tube substantially coaxially thereof, a first pair of elongated, thin springs of greater width than thickness, the width of said springs rendering them substantially rigid in the direction of their width, said springs being fixed at one end to said support and adapted to extend substantially lengthwise of said tube, a tubular member fixed to the ends of said springs opposite to said support, said member being of smaller external dimensions than the internal dimensions of said tube, a second pair of elongated, thin springs of greater width than thickness, the width of said springs rendering them substantially rigid in the direction of their width, said springs being fixed at one end to said tubular member and adapted to extend lengthwise of said tube, said second springs being disposed with their wider faces substantially perpendicular to the wider faces of said first pair of springs, a reticle supported by the ends of said second pair of springs opposite to said member, and separate means to flex said first and second springs to move said reticle along right angularly related lines.

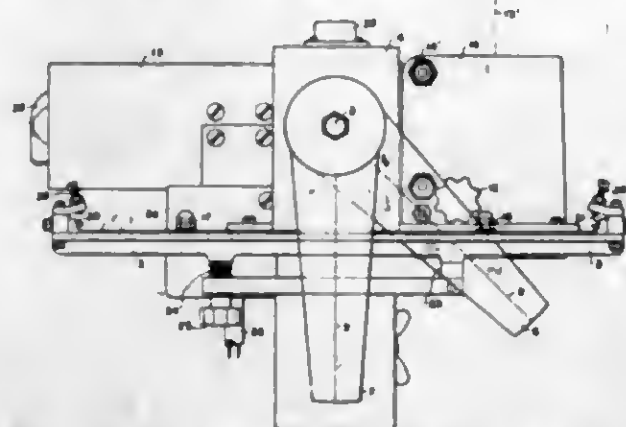
2,625,743

CLOUD HEIGHT INDICATOR

Quentin Frasier, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application September 5, 1950, Serial No. 183,218
5 Claims. (Cl. 33-71)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In a cloud height indicator, supporting means, linear scale means connected to said sup-

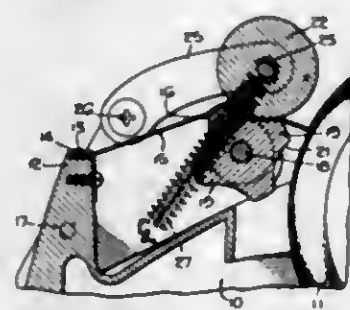
porting means, a rotatable main shaft mounted on said supporting means, said main shaft being in a plane parallel to and spaced from said scale means, two indicator arms having fiducial lines thereon radiating from said main shaft in spaced parallel planes perpendicular to said linear scale means, said indicator arms being so positioned that said fiducial lines lie adjacent to the fiducial edges of said scale means, an index-



2,625,744

ADHESIVE TAPE DISPENSER

Robert A. Wilkin, Chino, Calif.
Application July 14, 1951, Serial No. 236,821
3 Claims. (Cl. 33-131)



1. In combination with a tacky adhesive tape dispenser wherein there is a rotatably mounted supply roll of adhesive tape and means providing a ledge on which there is a severing edge on which the withdrawn end of the tape is positioned for severing, a star wheel mounted for rotation between the roll and the ledge, said star wheel presenting a peripheral surface largely occupied by arcuate recesses, and a roller urged toward the star wheel to press the tape therein, said roller and recesses having substantially the same radius of curvature.

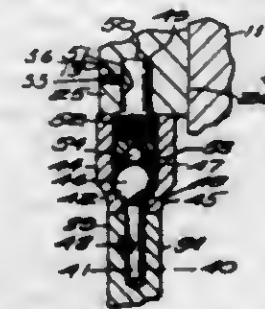
2,625,745

OUTSIDE MICROMETER

James A. Stedman, Cranston, R. I., assignor to Central Tool Company, a corporation
Application August 17, 1949, Serial No. 110,698
2 Claims. (Cl. 33-164)

1. A connection device for an outside micrometer having an elongated linear base, a fixed jaw secured thereto, a movable jaw slidably mounted thereon and micrometer mechanism including a movable shaft mounted on said base and con-

nected to the movable jaw for imparting linear movement thereto along said base, comprising a sleeve adapted to be secured to the movable jaw



and having a seat; and a pin having a ball head engaging said seat and having a pin end adapted to be locked to the movable shaft.

2,625,746

ADJUSTABLE INDICATOR HOLDER

Joseph A. Rudhart, Philadelphia, Pa.
Application October 30, 1946, Serial No. 706,547
4 Claims. (Cl. 33-172)



1. In an adjustable indicator holder, the combination of a tool receiving chuck, a mounting construction adapted to be supported from said chuck comprising a hollow shank the lower end of said shank being slotted to provide a pair of arms on said shank supporting an adjustable mechanism for positioning an indicator, said mechanism including a lever pivotally mounted between said arms and having a bearing projection, a resilient connection between said shank and said lever including a spring plunger actuated by said spring and reciprocatably mounted within the hollow of said shank, a seat for said plunger formed upon the adjacent end of said lever, a collar in screw threaded engagement with said shank and operatively positioned with respect to said bearing projection, whereby a lateral motion may be imparted to said lever by the manipulation of said collar, and an attaching rod on said lever for supporting an indicator on said lever.

2,625,747

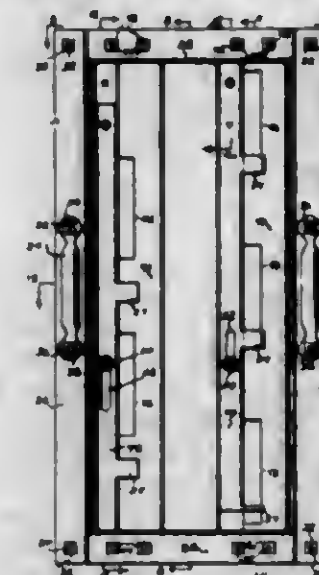
MORTAR VENEER TEMPLATE

Carl N. Acker, Midland, Tex.
Application March 6, 1947, Serial No. 732,833
1 Claim. (Cl. 33-174)

A mortar scoring template that is adapted to be applied to a coating of mortar on a wall before the setting of the mortar for the scoring thereof,

666 O. G.—46

comprising a frame including angle end pieces having angle side pieces detachably connected thereto at the opposite ends thereof, guide strips detachably secured at their ends to said end pieces in spaced relation to each other, the outer longitudinal edge of said guide strips engaging the side pieces and angle pieces similar to the side pieces engaging the other edges of the guide strips to outline longitudinal extending spaces therebetween that are adapted to receive cutters

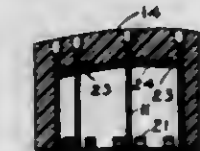


therein to score the mortar coating, each guide piece having longitudinally spaced slots and the slots in alternate guide pieces positioned in said guide strips in offset relation to each other, and a plate having outstanding lugs thereon mounted on each guide strip for sliding movement thereon so that the lugs overlap said slots to vary the length of said slots when said plate is slid longitudinally of said guide strip for the insertion in said slots of a cutter for the scoring of horizontal and vertical mortar lines in the coating of mortar.

2,625,748

TEMPLET

Harold E. Renaud, Lansing, Mich., assignor to Renaud Plastics, Inc., Lansing, Mich., a corporation of Michigan
Application November 3, 1947, Serial No. 783,752
2 Claims. (Cl. 33-174)

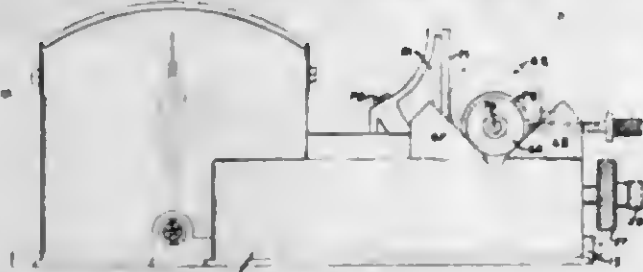


1. A three-dimensional templet having one surface conforming to a predetermined contour, said templet comprising a plurality of substantially parallel plates and a plurality of other substantially parallel plates intersecting said first named plates and interlocked therewith to form a plurality of box-shaped compartments, the planes of all of the plates extending substantially perpendicular to said surface, the edges of said plates adjoining said surface conforming to the contour thereof, one group of parallel plates having apertures therethrough in the zones between the plates of the other group and in relatively closely spaced relation to said last mentioned edges, supports extending through said apertures, partitions resting upon said supports and extending from wall to wall of said compartments, thermo-setting non-metallic plastic material filling said compartments between said partitions and the aforesaid edges, said plastic material being flush with the edges of said plates adjoining said surface.

2,625,749

COMPARATOR FOR COLLOCATING A CUTTER IN A BORING BAR

Ewald A. Arp, Minneapolis, Minn., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application June 10, 1948, Serial No. 32,231
8 Claims. (Cl. 33-185)

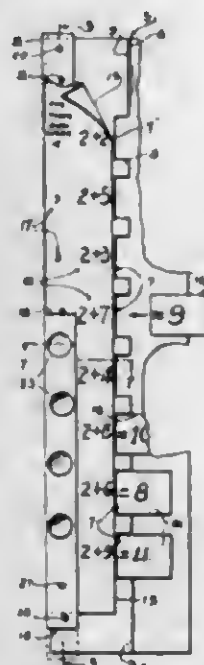


1. In an apparatus for employment to set a cutting tool in a boring bar to have overall radius bearing direct relation to the radius of a shaft, the combination with a device for selectively seating said shaft or said boring bar, of a movable actuator adjacent said device to be selectively engaged by said shaft while seated in said device or by said cutting tool while said boring bar is seated in said device thus to be moved way from the device, means for resiliently urging said actuator toward said device, an instrumentality operable in response to movement of said actuator away from said device against force of said means to measure and denote the radius of said shaft and the overall radius of said boring bar with cutting tool the one with respect to the other, a frame, a pivotal support upon said frame, a structure having an intermediate portion thereof mounted upon and first and second end portions thereof disposed at opposite sides of said pivotal support, a first operative connection between said mean and said first end portion, and a second operative connection between said instrumentality and said second end portion.

2,625,750

PROBLEM TEACHING DEVICE USING ANSWER BLOCKS

Albert H. Merrill, Los Angeles, Calif.
Application May 21, 1951, Serial No. 227,336
4 Claims. (Cl. 35-9)



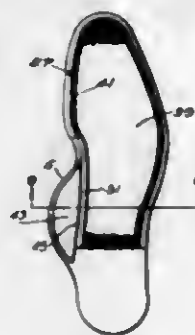
1. In an educational device of the kind described, a bar horizontally supportable upon an underlying surface, a problem carrying member removably mountable upon said bar in a position

wherein it displays a column of problems extending lengthwise of said bar, said bar being marked off longitudinally into a series of sections each of which registers with an individual problem on the mounted problem carrying member, each of said bar sections being dimensioned and positioned to have deposited alongside thereof a block bearing an answer to the problem related to said section, said problem carrying member also having inscribed upon it an answer adjacent to each problem, and a cover normally concealing said answers, said cover being movable to a position wherein it uncovers said answers.

2,625,751

INSOLE HAVING COOKIE FOR SHOES

Perley G. Flint and John J. Maguire, Brockton, Mass., assignors to Field and Flint Co., Brockton, Mass., a corporation of Massachusetts
Application March 18, 1950, Serial No. 150,534
5 Claims. (Cl. 36-22)



1. An insole having a body portion formed of a single piece of leather extending throughout the entire extent of the insole and defining the thickness of the insole throughout such extent, which body portion comprises a cookie integral therewith and joined thereto for the entire thickness of said piece of leather, a welt-and-upper-attaching-lip integral with said body portion extending from adjacent the forward end of the heel portion at the outside edge portion of the insole about the toe portion and terminating at the shank portion forward of the cookie at the inside edge portion of the insole, an elongated strip of inverted T-shaped transverse cross-section extending from the end of said lip at the inside edge portion of the insole across the portion of the insole at the base of the cookie to adjacent the forward end of the heel portion, which strip presents an upstanding flange constituting a welt-and-upper-attaching-lip forming a continuation of the first mentioned lip and presents at the lower edge of said flange oppositely projecting lateral flanges resting on said body portion, said lateral flanges being cemented to said body portion for rigidly securing said strip thereto.

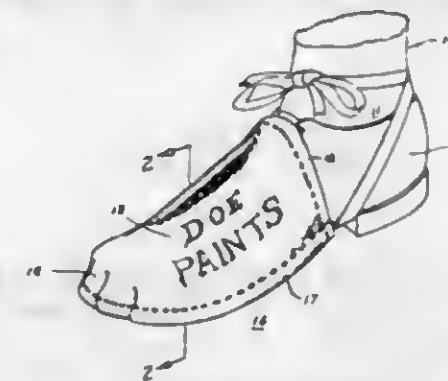
2,625,752

SHOE PROTECTOR

Klaus M. Kemp, Santa Barbara, Calif.
Application March 14, 1950, Serial No. 149,547
1 Claim. (Cl. 36-72)

A protector adapted to be placed over a shoe comprising: a body member formed of stiff non-pliant but flexible sheet material; permanent tucks sewn therein to define a scoop shape having an end wall at the tucks and a mouth opposite the end wall; means for securing the protector over a shoe; an outwardly disposed fold substantially midway between the sides of the protector and extending from the end toe portion to near the open mouth end; and a cord member sewn

within the said fold so that the protector will not bend at its top portion during flexing of the shoe,



the seam which holds the cord member within the fold also holding the fold.

2,625,753

METAL CLIP-ON SAFETY TOE

Leroy S. Null and Marguerite T. Sharatz, Norfolk, Va.
Application May 28, 1952, Serial No. 290,414
3 Claims. (Cl. 36-72)

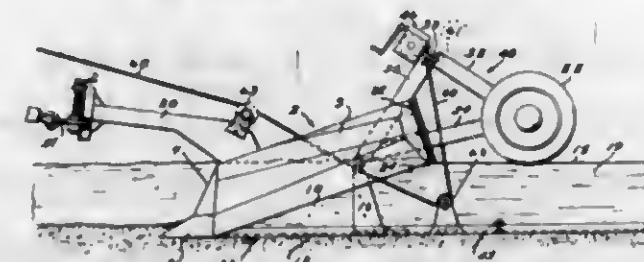


1. A toe guard comprising a cap for covering the fore part of an article of footwear, said cap having a relatively flat tapered flange extending inwardly from the base thereof seatable on top of the marginal portion of the footwear sole, and fastening clips being removably connected to the sides of said cap adjacent the rear portion thereof, said clips having pointed spurs on the base thereof adapted to be embedded in the edge of the marginal portion of the sole whereby said cap is securely mounted on the footwear.

2,625,754

DITCH FORMING PLOW

John F. Morgan, Tolleson, Ariz., assignor to Fullerform, Inc., Tolleson, Ariz.
Application April 6, 1948, Serial No. 19,407
6 Claims. (Cl. 37-98)



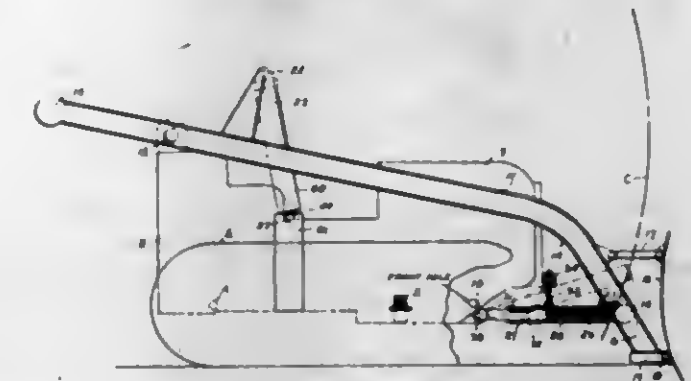
1. A ditch forming plow having a body including a nose, a triangular point therebelow, a shoe fixed to said point extending rearwardly therefrom, a pair of blades extending upwardly and rearward and diverging outwardly from said nose, a cross bar extending transversely between the rear portion of said blades, a wheel frame having rearwardly extending stretcher bar legs extending downward from the rear ends thereof, riding wheels having ground contact points intermediate the ends of said shoe journaled on the

lower portions of said legs, a pivotal connection between said legs and said cross bar located intermediate said point and said wheels at the forward ends of said stretcher bars, a cable connecting said shoe to said wheel frame operative to draw said shoe upward therein, a draw bar fixed to the nose portion of said blades and extending forward to a tongue vertically slidable thereon, and means for supporting said tongue on a towing tractor.

2,625,755

THRUST TRANSMISSION DEVICE FOR MATERIAL HANDLING EQUIPMENT

Edward A. Drott, Milwaukee, Wis.
Application July 1, 1946, Serial No. 680,576
3 Claims. (Cl. 37-144)



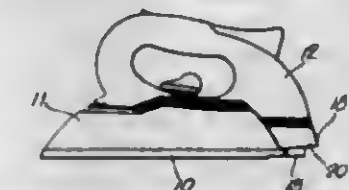
1. In combination with an endless tread propelled tractor and an implement carrying push frame pivotally mounted on the tractor above its treads and having a tendency, when the implement is forced against its load, to tilt the tractor upwardly at its front end, of an extensible thrust transmitting means tiltably mounted on said tractor including a spring interposed between said push frame and a point on the front portion of the tractor below the center line of its treads and acting automatically due to its location relative to the pivotal mounting of said push frame to shift the thrust component on the push frame from its pivotal mounting to said point below the center line of its treads, under which conditions the load on said spring is substantially equal to or exceeds the drawbar pull of said tractor.

2,625,756

FEED WATER SYSTEM FOR STEAM IRONS

Robert O. Stevenson, Philadelphia, and Charles Roger Turner, Springfield Township, Montgomery County, Pa., assignors to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 8, 1947, Serial No. 753,076
7 Claims. (Cl. 38-77)

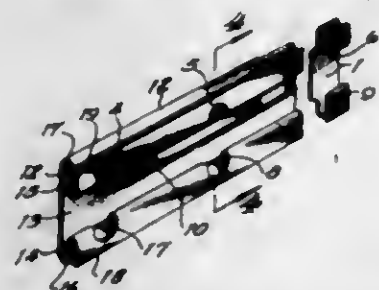


1. In a steam iron of the type in which water is supplied gravitationally from a water reservoir, a sole plate having steam discharge ports, a steam generating chamber in communication with said ports, a small water well in said chamber, said well having a bottom element engaging the sole plate with low thermal conductivity contact, a passage in said chamber between said well and said ports, and means for conveying water from the supply reservoir to said well, said means

having a small opening for discharging water into said well, said opening being disposed at a level to be below the surface of the water in said well during use of the iron.

2,625,757
MOUNTING FOR CAMPAIGN RIBBONS AND MEDALS

Joseph Wolf, Los Angeles, Calif.
Application June 12, 1950, Serial No. 167,543
1 Claim. (Cl. 40-1.5)



A campaign ribbon assembly comprising a ribbon support formed with a face portion and with spaced apart inwardly and outwardly bent flanges at the longitudinal edges of the face portion, and spaced apart transverse slots located at the bend, connecting the inwardly and outwardly directed flanges.

2,625,758
PLASTIC PLANT LABEL
Irving L. Shepherd, Elyria, Ohio
Application January 16, 1950, Serial No. 138,746
1 Claim. (Cl. 40-10)

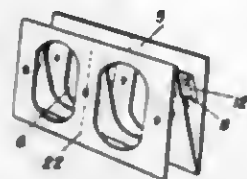


A removable label comprising a length of semi-rigid material formed into a substantially wide body portion, curved fingers extending from one end of the body forming an integral part of the body portion, said fingers being curved outwardly from the body portion with the ends thereof being formed into hooks adapted to be hooked together around a branch of a plant to be labeled, the inner surfaces of said fingers providing an unbroken circular branch or plant-engaging surface.

2,625,759
ELECTRIC OUTLET CIRCUIT INDICATOR
William Frederick Koepke, San Francisco, Calif.
Application May 7, 1951, Serial No. 225,011
2 Claims. (Cl. 40-18)

1. A circuit indicator for electrical outlets comprising a blank having openings formed therein and adapted to be folded on at least two spaced parallel lines, said openings coinciding

when said blank is folded upon itself, a slider carried by an intermediate portion of said blank, said slider having an upturned end for engagement



ment with an outlet plate secured to the outlet to which the indicator is attached, and indicia carried by said slider.

2,625,760
GARDEN MARKER
Lyle M. Cleal, Montgomery, Ala.
Application June 27, 1949, Serial No. 101,569
1 Claim. (Cl. 40-19)



For use in supporting and anchoring a capsule-like transparent cap which is adapted to be used as a container and protector for a tree, plant and flower marker in a home garden and wherein said cap is open at its bottom and closed at its top; a one-piece unit of commercial plastics embodying a rigid shank provided on its upper end with an integral enlarged circular head, said head having its upper portion flat and said head being marginally reduced in diameter and providing a peripheral shoulder, said shoulder constituting a ledge, the lower portion of said shank being adapted to be staked in the ground, the intermediate portion of said shank being provided with a lateral outstanding limb and said limb having a terminal portion formed into a resilient clip, said clip being adapted for attachment to a predetermined portion of a tree, plant or flower.

2,625,761
ADVERTISING ATTACHMENT FOR PARKING METERS
Charles J. Thompson and Raymond C. Johnson, Miami, Okla.
Application January 30, 1950, Serial No. 141,189
2 Claims. (Cl. 40-145)

1. For parking meters having a case provided with an arcuate, uppermost surface, an advertising attachment comprising a loop-shaped frame member, U-shaped in cross-section, presenting an arcuate bight and a pair of spaced, arcuate legs, said legs progressively increasing in width as the normally lowermost free ends thereof are approached; a substantially crescent-shaped advertising unit having a normally uppermost, arcuate edge, conforming to the contour of and engaging the innermost face of said bight between said legs, and a normally lowermost, arcuate edge, conforming to the contour of and engageable with said surface of the

case; a pair of opposed, laterally-extending ears on one of said legs, there being an ear adjacent each of said normally lowermost free ends respectively of said one leg and adapted to engage the case when the attachment is mounted



thereon; and fastening elements for each ear respectively adapted to secure the frame member to the case and hold the advertising unit clamped tightly between said bight and said surface.

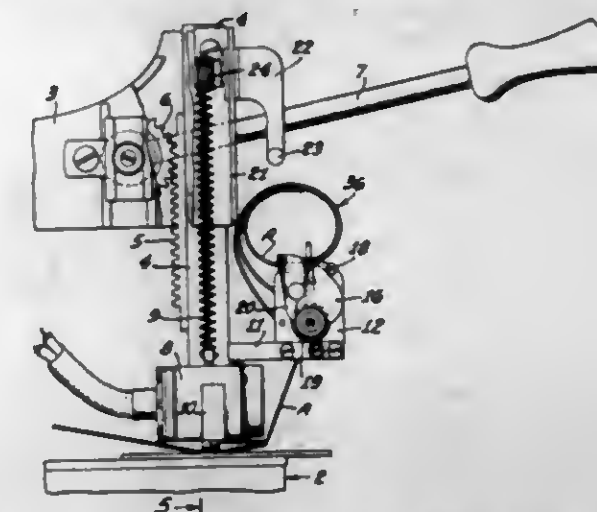
2,625,762
SIGN HOLDING DEVICE
Thomas P. McColl, Troy, N. Y., assignor, by mesne assignments, to Chas. Brown Display Inc., New York, N. Y., a corporation of New York
Application January 3, 1951, Serial No. 204,186
4 Claims. (Cl. 40-145)



1. A sign holding device adapted for attachment to a post, such as a parking meter post; said device comprising similar, polygonal, top and bottom elements each comprising separate portions adapting said elements to be assembled around said post and provided with marginal flanges adapted to abut when said portions are so assembled; means for securing the abutting flanges together to clamp said elements to said post in vertically spaced relation to each other and form a closed top and a closed bottom of said device; depending channel-forming means on each of said portions of said top element; upstanding, channel-forming means on each of said portions of said bottom element disposed in opposed relation to those on said top element; said channel-forming means being open at each end for the slidable insertion of sign-bearing panels forming the sides

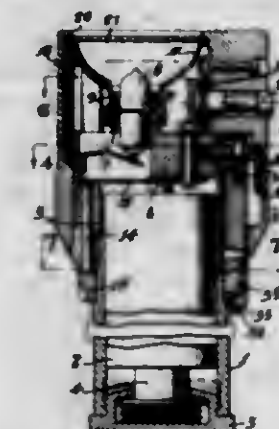
of a polygonal prism surrounding said post; framing elements embracing the vertical edges of said prism, closing the ends of said channels, and having end portions overlying said top and bottom elements adjacent said edges; and means detachably securing said framing elements in place.

2,625,763
FOIL HANDLING MECHANISM FOR STAMPING MACHINES
Lewis A. Kingsley, Los Angeles, Calif.
Application October 17, 1949, Serial No. 121,690
6 Claims. (Cl. 41-7)



5. The combination with a foil stamping machine having a reciprocable stamping head and a foil reel from which foil ribbon may be withdrawn across said stamping head, of a foil handling means, involving: a foil feeding means carried by said stamping head, said means including a feed roller having sets of grooves, a shaft carrying sets of radial pins adapted to be selectively positioned in said grooves to define with said roller slits of various widths to admit foil ribbon of corresponding widths, and means responsive to reciprocation of said stamping head for advancing said feed roller; and a foil ribbon receiver in the form of a plate bent to form an open end scroll adapted to receive the end of said foil ribbon and collect said foil ribbon as it issues from said feed roller.

2,625,764
COMBINATION FLASHLIGHT, GUN, AND BILLY
Victor B. O'Brien and Eldridge B. Robertson, Alhambra, Calif.
Application December 27, 1949, Serial No. 135,055
4 Claims. (Cl. 42-1)



1. A combination of the class described, involving: a body structure defining a flashlight cavity and a gun bore at one side thereof; a

flashlight unit in said flashlight cavity; a gun unit adapted to fit said gun bore; firing means for said gun unit including a trigger bar; switch means for said flashlight unit including a rotatable collar; said rotatable collar and trigger bar being engageable with each other whereby for certain positions of said collar said trigger bar may be actuated and for certain other positions of said collar said trigger bar is locked against operation.

2,625,765

SAFETY LOCK FOR FIREARMS

Robert L. Magaro, Marysville, Pa.

Application January 23, 1951, Serial No. 207,368
1 Claim. (Cl. 42-70)

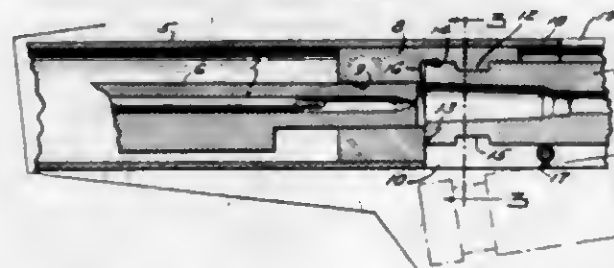
In a gun having a stock, a breech assembly mounted on one end of said stock and including a housing and a trigger pivotally mounted in said housing, a shoulder plate mounted on the other end of said stock and movable toward and away from the adjacent end of the stock, and spring means resiliently urging said shoulder plate to its limiting position away from the adjacent end of said stock, said stock having a recess therein opening to said other end thereof and including an outer portion adjacent said shoulder plate and a curved inner portion extending longitudinally of said stock from said outer portion and said stock having a bore extending longitudinally therethrough from the inner end of the inner portion of said recess to said breech assembly, a latch pivotally mounted in said housing and engageable with said trigger to lock the latter in non-firing position, a stem secured at one end to said shoulder plate and extending through the outer portion into the inner portion of said recess, a rod extending through said bore and connected at one end to said latch and at its other end to said stem at said other end of the latter, said rod moving said latch into locking engagement with said trigger when said shoulder plate is moved by said spring means to its limiting position away from the adjacent end of said stock and moving said latch out of engagement with said trigger when said shoulder plate is forced toward the adjacent end of said stock against the force of said spring means and said stem having an abutment surface on said other end thereof, a hinge plate secured in said inner recess portion at the end of the latter remote from said outer portion, and a pendulum hingedly connected at one end to said hinge plate for swinging movement about an axis perpendicular to a plane extending between the top and bottom edges of said stock and along the longitudinal center line thereof and having its other end disposed at the side of said stem adjacent the bottom edge of said stock and provided with a surface engaging the abutment surface on said stem when the gun is in any position other than its upright firing position to thereby hold said shoulder plate against movement toward the adjacent end of said stock and hold said latch in locking engagement with said trigger, said pendulum including two spaced apart legs disposed at respectively opposite sides of said rod and provided at their distal ends with arcuately curved offset portions engageable with

the abutment surface on said stem, a hinge eye formation at the proximal end of said pendulum, and a cross bar extending between said legs intermediate the length thereof.

2,625,766

QUICK-CHANGE BARREL

Clarence E. Simpson, Wilbraham, Mass., assignor to the United States of America as represented by the Secretary of War
Application April 4, 1950, Serial No. 153,954
2 Claims. (Cl. 42-75)
(Granted under Title 35, U. S. Code (1952), sec. 266)

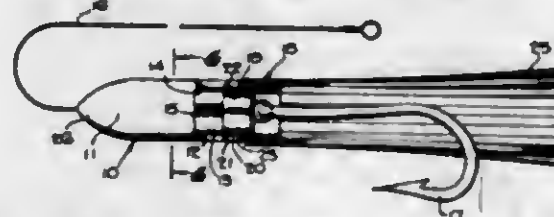


2. In a recoil operated firearm having a receiver, a barrel extension fixedly mounted in the receiver and having a cutaway portion in the forward end thereof opening upwardly from the underside to terminate in an arch-like portion forming a vertical end wall surface, said cutaway portion including a relief portion originating at a point on said vertical wall surface below the central longitudinal axis thereof and sloping upwardly and rearwardly at a slight angle to the vertical to extend into the underside of said arch-like portion, said barrel extension having an arcuate locking rib concentric with said arch-like portion and depending therefrom to project into said cutaway portion forwardly of and parallel to said vertical end wall surface, a barrel having an annular groove adjacent the rear end thereof and arranged to fully receive said locking rib when said barrel is assembled into said barrel extension cutaway portion with the rear end surface of the former in intimate contact with said vertical end wall surface of the latter, fulcrum means in the front end of the receiver for supporting the muzzle end of said barrel, and a release pin transversely mounted in said receiver forwardly of said barrel extension and against the underside of said barrel for holding said barrel in engagement with said extension whereby the rear wall surface of said rib and said end wall surface formed by said cutaway portion cooperate to prevent reciprocal movement of said barrel relative to said extension, said relief portion being arranged to permit unassisted pivotal movement of said barrel about said fulcrum means when said release pin is rendered inoperative.

2,625,767

FISHING LURE

Harry Pokras, Los Angeles, Calif., assignor of one-half to Eddie Epstein, North Hollywood, Calif.
Application May 31, 1949, Serial No. 96,307
9 Claims. (Cl. 43-42.05)



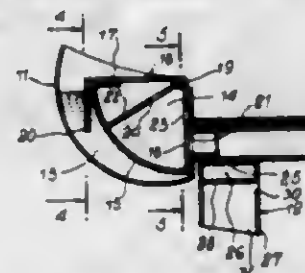
9. In a fishing lure adapted to be mounted upon a line, the combination of: an elongated

cylindrical body member having a central axial opening to receive the line, the body member having a radially extending annular groove near one end and a bore communicating with said groove, a sleeve member forming a continuation of the body member and having a longitudinal opening to receive the line, the sleeve member having a lateral slot to permit lateral application on the line, a plurality of streamers fixed to the sleeve member, an annular flange on the sleeve, one of the members encircling a portion of the other in telescopic relation so that the annular flange on the sleeve engages within the groove to prevent axial separation of said members, the slot permitting deformation of the sleeve member for engaging said part in the groove.

2,625,768

BUBBLE-BLOWING AND SOUND-PRODUCING TOY

Finn H. Magnus, Essex Fells, N. J.

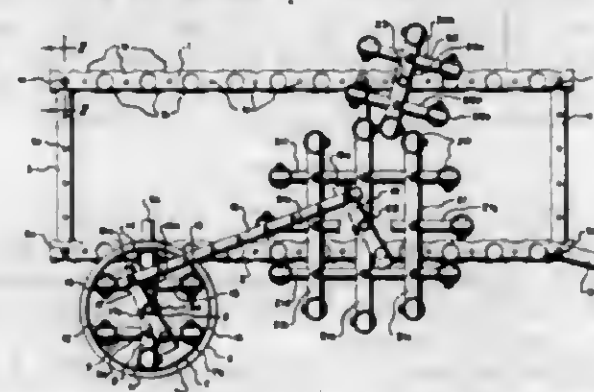
Application November 21, 1950, Serial No. 196,791
10 Claims. (Cl. 46-7)

4. In a toy for blowing bubbles, the combination of a bowl, a partition in said bowl dividing the bowl into an air chamber and a reservoir, a hollow stem communicating with the air chamber through an opening in the bowl and a member pivotally supported on said bowl, said member being movable between a raised position and a lowered position and consisting of two arms angularly displaced with respect to each other, an annular member carried by one of the arms of said pivoted member and extending into the reservoir within the bowl at the lowered position of the pivoted member, the other of said arms extending into the air chamber and across the opening in the bowl communicating with the stem, said last-mentioned arm having an aperture therein offset with respect to the opening in the bowl communicating with the stem and aligned with the annular member on the other of said arms and air-operated means for producing sound supported on the hollow stem and in communication therewith.

2,625,769

TUBULAR CONSTRUCTION TOY

Harold P. Hubbard, Encinitas, Calif.

Application July 29, 1949, Serial No. 107,507
8 Claims. (Cl. 46-17)

1. In a toy construction means, pin gears, including a plurality of tubular spokes, some

of said tubular spokes extending transversely through the other tubular spokes, and tubular gear pins on the extending ends of said spokes, arranged in an arcuate row, having their axes transversely of said spokes.

2,625,770

SELF-SEALING TOY BALLOON

James Steen and Edward P. Coakey, Detroit, Mich.

Application January 21, 1948, Serial No. 3,608
2 Claims. (Cl. 46-90)

1. A balloon having a neck through which it is normally inflated, a second balloon within the first balloon also provided with a neck which is sealed to the neck of the outer balloon at the outer end throughout the circumference thereof, the neck of said inner balloon having minute apertures through which air may pass into the outer balloon when the inner balloon is inflated.

2,625,771

MOTORIZED WHEELED FIGURE TOY

Pat H. Herrick, Baltimore, Md.

Application December 13, 1948, Serial No. 132,680
1 Claim. (Cl. 46-105)

A toy simulating a human body, said body being hollow and having an unimpeded lower end, said body also having a pair of diametrically opposed internal grooves provided within the inner walls thereof at the lower end, a frame, a shaft transversely carried by said frame and extending on opposite sides of the frame, a pair of wheels eccentrically mounted on said shaft, one at each end of the shaft and rotatable therewith, a ball bearing carried by said body forward of the wheels, a second shaft parallel to the first shaft and located above the pair of wheels, said second shaft being also carried by the frame, said second shaft extending on opposite sides of the frame and said second shaft being shorter than the first shaft, a pair of flywheels, one at each end of the second shaft and rotatable therewith, each of said flywheels extending above the first shaft and being located between each side of the frame and each of the aforesaid wheels, gearing

means between said shafts and bendable extensions at opposite ends of said frame insertible in the aforesaid grooves and frictionally locked therein, whereby said frame and the parts carried thereby are insertible through the unimpeded lower end of the body and are quickly attachable and detachable as a unit.

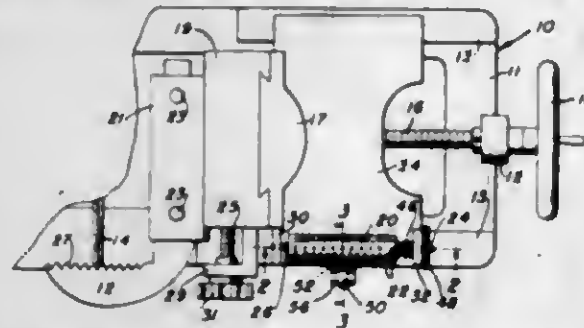
2,625,772

GRINDING MACHINE

Jay Clair Moore, Fredonia, Pa.

Application January 11, 1951, Serial No. 205,451

1 Claim. (Cl. 51-72)



A grinding machine comprising a base, a carriage slidable on said base, a work holder on said carriage, a grinding wheel, means operatively connected to the carriage for adjusting the holder relative to the wheel, and means for releasably securing the carriage in adjusted position, the last-named means including a pair of spaced, opposed uprights on the carriage having aligned openings therein, a shaft including threaded end portions extending through the openings, an indexing head having series of spaced holes therein, mounted for rotary and longitudinal adjustment on the shaft between the uprights, nuts on the threaded end portions of the shaft for securing the indexing head in adjusted position thereon, a bushing threadedly mounted in one of the openings and encircling the shaft, a coil spring encircling the shaft between the bushing and the indexing head for yieldingly urging the latter in one longitudinal direction between the uprights, a disk threadedly mounted on one end portion of the shaft and engaged with the bushing for adjusting the indexing head in the opposite direction and for frictionally securing said head in rotatably adjusted position, and a spring-pressed dog on the base engageable selectively in the holes in the indexing head for releasably securing the carriage in adjusted position.

2,625,773

AUTOMATIC CIRCULAR GRINDING MACHINE

Helmut G. Crämer, Stuttgart-Degerloch, and Georg Koppenwallner, Stuttgart-Bad Cannstatt, Germany, assignors to Fortuna-Werke Spezialmaschinenfabrik A.-G., Stuttgart-Bad Cannstatt, Germany

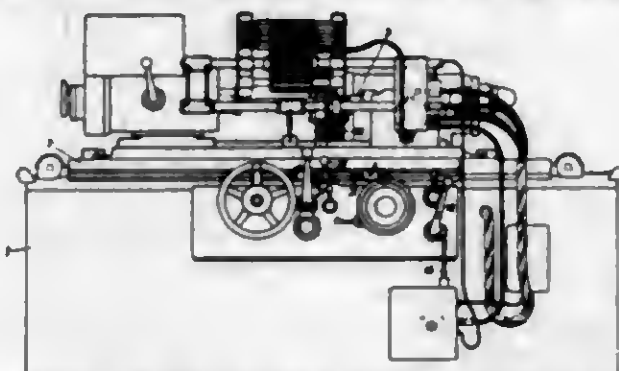
Application February 4, 1952, Serial No. 269,772

In Germany October 20, 1949

12 Claims. (Cl. 51-165)

1. In an automatic grinding machine including a table carriage, a grinding disc carriage, a rapid approach mechanism including a piston and cylinder connected to move said grinding disc carriage, a movably mounted blank feeding means, a tail stock having a movable center, a movably mounted blank gauging means including contacts or the like capable of emitting control impulses, a control means adapted to coordinate the operation of the machine including a reversing piston connected to said rapid approach mechanism and control valves actuated in response to said

impulses to apply pressure to said reversing piston, a servomotor comprising a cylinder housing a first piston connected to move said gauge means



and blank feeding means into and out of operative position and a second piston disposed adjacent said first piston and spaced therefrom and connected to move said tail stock center.

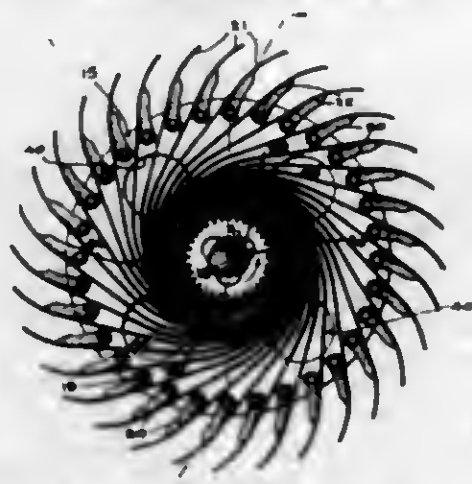
2,625,774

ROTARY ABRASIVE HEAD

Allen R. Tenny, Allentown, Pa., assignor to Van Arsdale Corporation, Allentown, Pa., a corporation of Pennsylvania

Application September 23, 1949, Serial No. 117,468

4 Claims. (Cl. 51-193.7)



1. A rotary abrasive head adapted to be mounted upon a rotatable spindle and comprising a pair of axially spaced end plates rotatably fitted on said spindle, a hub member disposed between said end plates and also rotatably fitted on said spindle, means for nonrotatable locking said plates and hub member together on said spindle for rotation as a unit therewith, a plurality of abrasive-coated strips embraced between said plates with their inner ends respectively anchored to said hub member and their outer ends projecting externally of the head at points spaced circumferentially about its periphery, and wedge means interposed between said hub member and said spindle operative, when said spindle is held stationary and said plates are loosened for rotation relatively thereto, to lock said hub member to said stationary spindle and thereby permit angular displacement of the plates relatively to the hub member to vary the extent of projection of the strips outwardly of the head.

2,625,775

ART OF PACKAGING WITH PULL STRIP

Bernard J. Tamarin, Whitmarsh, and Adolph Meletti, Philadelphia, Pa.; said Meletti assignor to said Tamarin

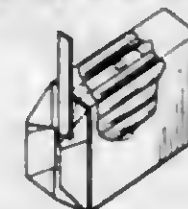
Application August 16, 1946, Serial No. 691,130

18 Claims. (Cl. 53-5)

1. In the art of packaging, the steps which include wrapping a wrapper around a substantially

straight pull, thereafter moving a group of articles into said wrapper in the direction of the length of said pull, and connecting said pull to an article aforesaid within said wrapper.

18. Packaging apparatus comprising an article-group-forming mechanism, means for applying an adhesive to an article of a group formed by



said mechanism, a holder for a container and pull strip, means for moving a group and container holder aforesaid relatively longitudinally to one another and bringing said adhesive and pull strip into registration, and means for pressing said pull strip against adhesive on said article of said group within said container and adhering such pull strip and article together.

2,625,776

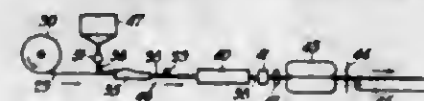
APPARATUS FOR THE PRODUCTION OF WRAPPED ARTICLES

Jacques Edwin Brandenberger, Paris, France, assignor to Societe La Cellophane (Suisse), Basle, Switzerland, a corporate body of Switzerland

Application October 23, 1950, Serial No. 191,567

In Great Britain November 9, 1949

14 Claims. (Cl. 53-55)



1. In an apparatus for making bars of high-grade chocolate of the class comprising means for continuously folding the longitudinal edges of a moving strip around a former to make a flexible tube, means for continuously filling the moving tube with the chocolate material in a plastic state so that a band of the filled tube of a generally flat cross-section is produced, equalizing elements to press continuously on the flat top and bottom surfaces of the band of chocolate whereby surface irregularities and occluded air are removed and the band is given a regular cross-sectional shape, means for cooling the smoothed band of chocolate and means for indenting, pressing, smoothing and cutting the band to produce wrapped chocolate bars of uniform density, smooth surface, regular shape and standard weight, the provision of an indenting mechanism comprising a pair of spaced-apart arms between which the band of chocolate is adapted to pass, means to move the arms towards and away from the opposite side edges of the band of chocolate, a connection between the arms constraining them to move together both towards and away from the band and to the same extent and an indenting means carried by each arm to engage the opposite side edges of the band and form grooves therein.

2,625,777

PACKAGING MACHINE AND METHOD OF PACKAGING

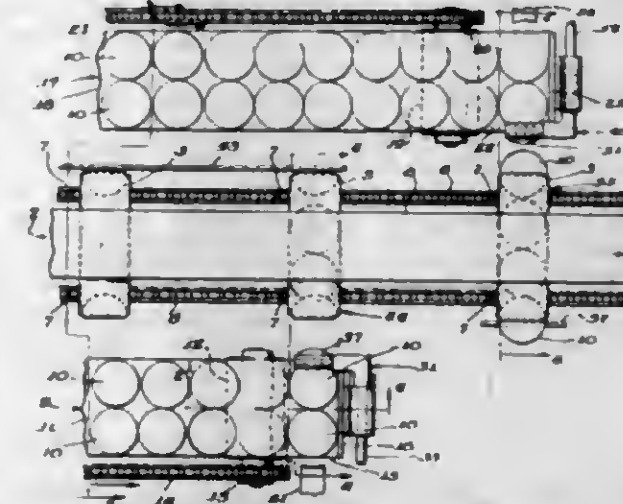
Clarence J. Malhot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Delaware

Application April 2, 1949, Serial No. 85,219

20 Claims. (Cl. 53-136)

1. A packaging machine comprising an intermittently movable carton conveyor having a

dwell period for momentarily retaining an open ended carton at a filling station, means to move an article to a discharge position in register with an open end of the carton at the filling station, spreader means to spread the open end of the carton body at said filling station, and pusher means



to push an article from said discharge position into the carton body when the spreader means maintains the open end of the carton body in spread condition, said spreader means entering the carton body and being actuated by the article to be inserted into the carton.

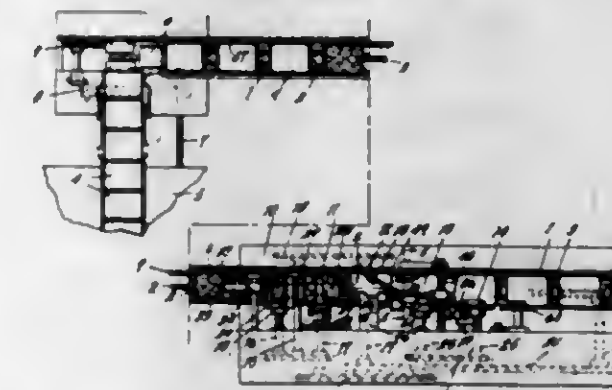
2,625,778

MACHINE FOR CLOSING CARTONS WHILE THE CARTONS ARE BEING TRANSLATED

Wayne A. Wood, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.

Application May 21, 1951, Serial No. 227,347

20 Claims. (Cl. 52-145)



1. A machine for closing rectangular paper cartons having end wall flaps and a cover hingedly connected to one side wall and a cover flap on the swinging edge of the cover with a tuck flap on the edge of the cover flap, as the cartons are continuously translated along a conveyor in an endwise position comprising, a leading end flap folding device positioned alongside said conveyor and including a vertical disc tangent on its lower side to the plane of the top of said cartons, said disc having segmental arcuate folding plates secured to diametrically opposite sides thereof and projecting transversely across the path of travel of said cartons, means for rotating said disc at a peripheral speed less than the lineal speed of said cartons and in timed relation thereto to present each one of said plates in front of alternate incoming cartons, said folding plates having radially projecting flap engaging flanges on the trailing edges thereof, a trailing flap folding device positioned alongside said conveyor behind said leading flap folding device and including a fixed cam plate with an irregular cam opening therein, a shaft projecting through said

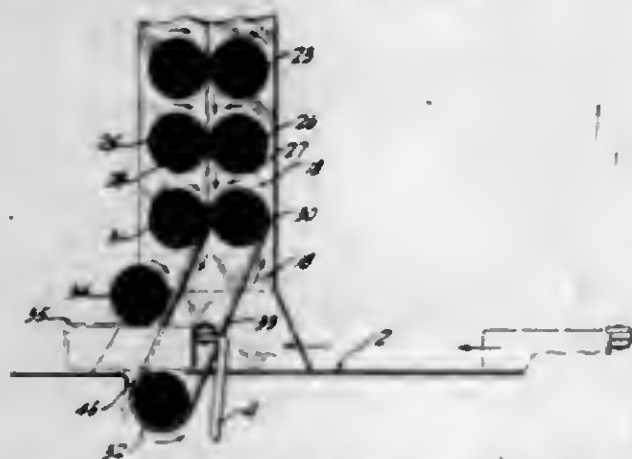
opening, a double armed crank member on said shaft, crank levers pivotally carried on the swinging ends of said crank member and having cam follower rolls spring urged into engagement with the edge of said cam opening to control movement of the levers about their pivots, trailing flap folding plates connected to the pivots of said crank levers for rotation thereby, said trailing flap folding plates extending transversely across the path of said cartons, means for rotating said shaft and the crank member and plates carried thereby at a peripheral speed greater than the lineal speed of said cartons and in timed relation thereto whereby each one of the plates overtakes and engages the trailing end flaps of alternate cartons, said trailing flap folding plates having flap edge engaging flanges on the swinging edges thereof, said cam opening having a re-entrant portion arranged to swing said crank levers and said trailing flap folding plates to above a horizontal on the downward motion of each lever with said member to clear incoming flaps, and means positioned alongside and over said conveyor behind said trailing flap folding device for successively folding down the cover and cover flap of each carton and engaging the cover flap and the tuck flap thereof with the side of the carton.

2,625,779

PAPER FEEDING MECHANISM FOR BOX WRAPPING MACHINES

Clarence J. Peterson, Watsonville, Calif., assignor to Bank of America National Trust and Savings Association, a national banking association
Original application November 19, 1946, Serial No. 710,865. Divided and this application March 4, 1950, Serial No. 147,716

5 Claims. (Cl. 53-155)



1. A paper feeding mechanism for box wrapping machines, including in combination a horizontal table, a paper feed frame mounted at the intake end of said table, a paper carrying roller journaled on said frame, a pair of feed rollers journaled in the frame, a pair of juxta-positioned cutter cylinders journaled below said rollers, a knife on one of the cylinders, a second pair of feed rollers journaled in the frame below the cylinders, a pair of rollers journaled below the top surface of said table and below the second rollers, drive belts each encircling one of the second rollers and one of said last named rollers, and drive belts extending into the path of the paper feed.

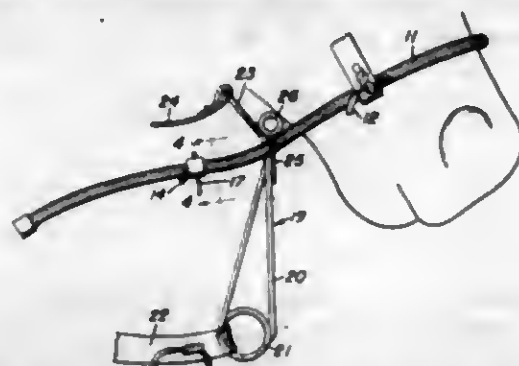
2,625,780

BIT FOR BRIDLES

Elton B. Flatt, Orona, Tex.
Application November 7, 1950, Serial No. 194,454
5 Claims. (Cl. 54-6)

1. A bitless bridle including a nose band adapted for extending across the nose and behind the

lower jaw of an animal, and a restraining device supported on the rear portion of the nose band and comprising a pair of forwardly and rearwardly swingable vertical arms adapted for attaching reins to their lower ends, and a rigid



bar carried by the arms adjacent their upper ends and supported by the nose band in a transverse position behind and in contact with the lower jaw of the animal to tighten the nose band when the reins are pulled.

2,625,781

ONION HARVESTER MACHINE

Hiroshi Tateyama, Ault, Colo.
Application November 9, 1950, Serial No. 194,885
1 Claim. (Cl. 55-106)



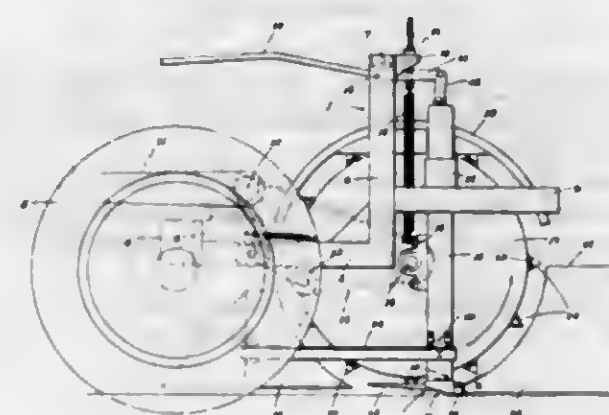
A vegetable harvesting machine adapted to be pulled by a tractor and having a power take-off connection from the tractor, comprising, in combination, a single non-moveable horizontal frame structure mounted on a plurality of wheels, a main elevator conveyor extending within said frame from a forward point thereof adjacent the ground backwardly to a higher point adjacent the center of the machine, a stub digger conveyor pivotally mounted adjacent its rear end from a point adjacent the front of and over the main conveyor and having adjustable means adapted for raising and lowering its front end on said pivot with relation to the surface of the ground, a digger shovel extending forwardly of said stub conveyor in substantial prolongation of the longitudinal center line thereof, both the front end of said stub conveyor and said shovel being adapted to operate in the ground, said means being connected with said frame, finger means secured to said frame and extending forwardly of said stub conveyor and shovel and being adapted to skid under the vegetable tops and thereby elevate them to a point above said conveyor upon forward motion of the machine, a single pair of endless wedge-like belts positioned in a plane above and parallel with said conveyors from said point rearwardly and comprising a top holding conveyor means, a plurality of rotating rotary knives positioned in the line of travel of the tops of the vegetables held by said top holding conveyor means and being adjacent one end of and below the top holding means and above said main conveyor for severing the vegetable bulbs from their tops upon contact therewith, bulb guide rod means secured to said frame and positioned to protect the bulbs of the vegetables from contacting said knives during said severing, said rod means being positioned adjacent said knives and in the path of travel of said vegetables toward said knives, a transverse cut

tops conveyor operatively mounted on said frame and positioned and adapted so as to convey said cut tops falling from said knives to a point at one side of the machine, a picking platform portion of the machine at the rear thereof opposite said finger means and having steps therearound, a horizontal conveyor comprising said upper surface of said platform and being adapted to receive the onion bulbs thereon from the main conveyor at the front end thereof, automatic top loader chute means cooperating with said horizontal conveyor for directing said bulbs from said conveyor platform into sacks, separate means for operatively mounting each of said conveyors, and power take-off connection means for operating each of said conveyors and each of said knives, each of said pair of wedge-like belts being operable in an opposite direction with relation to each other, and each of said rotary knives being operable in an opposite direction with relation to each other.

2,625,782

ASPARAGUS FERN CUTTER

Reed M. Allred, Stockton, Calif., assignor to Allred Bros., Stockton, Calif., a copartnership
Application February 25, 1948, Serial No. 10,708
11 Claims. (Cl. 55-118)



1. A foliage cutter and chopper for row crops comprising a frame adapted to be mounted on a tractor, a rotary cutter drum journaled on the frame for rotation about a transverse axis, driving connections between the tractor and the drum, and a transverse cutter bar unit mounted on the frame at the bottom thereof in cooperative relation to the corresponding portion of the rotary cutter drum; the rotary cutter drum including outwardly projecting blades thereon, and the cutter bar unit having upwardly projecting teeth with which the blades cooperate in foliage shearing relation, there being longitudinal, foliage pick-up fingers projecting forward from the cutter bar unit in transversely spaced relation.

2,625,783

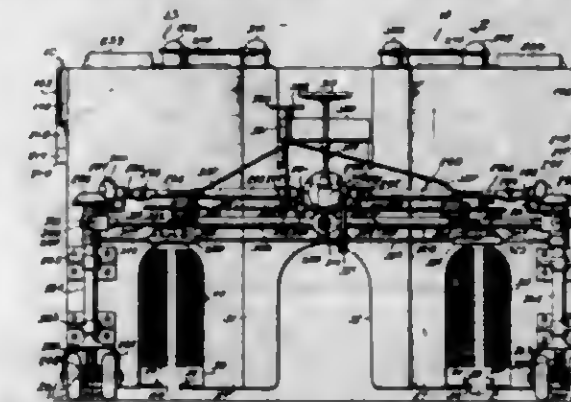
COTTON-PICKING APPARATUS

Perry W. Spell, Roseboro, N. C.
Original application January 25, 1944, Serial No. 519,656. Divided and this application May 9, 1949, Serial No. 92,158

22 Claims. (Cl. 56-14)

1. In an apparatus of the class described, a device for collecting picked cotton, means operatively associated with said device for mechanically engaging and holding the cotton collected by said device comprising cooperating relatively movable elements and means operatively associated with said elements for relatively moving said elements to engage and hold the cotton, and pneumatic means operatively associated with said

engaging and holding means for providing a jet of air through the cotton held by said engaging

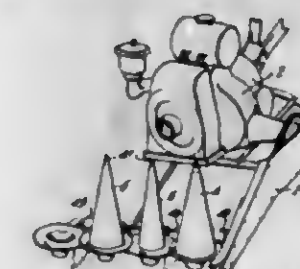


and holding means for removing loose foreign material from the cotton.

2,625,784

MULTIPLE WINDROWING DISK TYPE MOWER

Cadwallader W. Kelcey, Troy, N. Y.
Application October 22, 1948, Serial No. 55,863
9 Claims. (Cl. 56-192)



1. In a cutting element for a field mower of the character described, the combination with a plurality of circular saws, of separate, vertically-extending shafts to which said saws are secured in closely overlapped relation spaced transversely across the front of said mower, means operatively connected to said saws including a transversely-extending shaft and gears for rotating all of said saws in the same direction, vertically-extending conical elements coaxial with some of said saws which are adjacent each other and extending upwardly therefrom, and means securing said elements to said saws to rotate therewith; whereby material cut by said saws will be intercepted by said rotating conical elements and swept transversely of and deposited at one side of the path of said cutting element.

2,625,785

ILLUMINATING MEANS FOR SPINNING AND TWINING MACHINES

Carl Otto Meiners, Oldenburg, Germany
Application August 14, 1950, Serial No. 179,233
In Germany August 22, 1949
2 Claims. (Cl. 57-1)

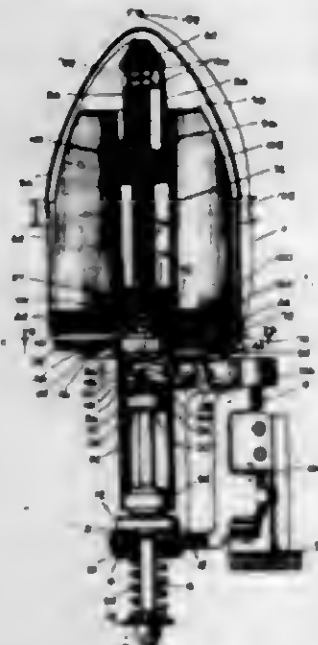


1. Lighting means for providing shadow-free and glare-free illumination of threads in spinning, twining, and similar textile machines, com-

prising a frame for the machine, said frame having side walls and a cross-member secured at its ends to said side-walls, mounting means secured on said cross-member near one extremity thereof, a light source comprising a lamp and a long focus objective carried by said mounting means near one side wall and arranged to direct a narrow beam of rays of light transversely to a row of threads in the plane thereof, and a mirror mounted on the other side wall and arranged in the path of the beam of rays to reflect it.

2,625,786

TWISTING DEVICE FOR TEXTILE STRANDS
Norman E. Klein, Clemson, S. C., assignor to Deering Milliken Research Trust, Pendleton, S. C., a nonprofit trust of Maine
Application August 12, 1950, Serial No. 179,069
29 Claims. (Cl. 57-58)



1. In a textile machine for twisting yarn the combination with a spindle mounted for rotation about its axis and provided with an orifice for withdrawal of yarn therethrough of yarn tail deflecting means positioned to be engaged, after breakage of yarn, by the tail of the yarn issuing from the spindle orifice, said deflecting means comprising a member having a yarn guiding surface extending from a first location in the neighborhood of the normal path of the yarn to a second location nearer to the axis of the spindle than the first location and means at said second location for trapping the tail to cause wind-up thereof about the spindle with consequent reduction in the centrifugal force tending to cause feed of yarn through the spindle orifice after yarn breakage.

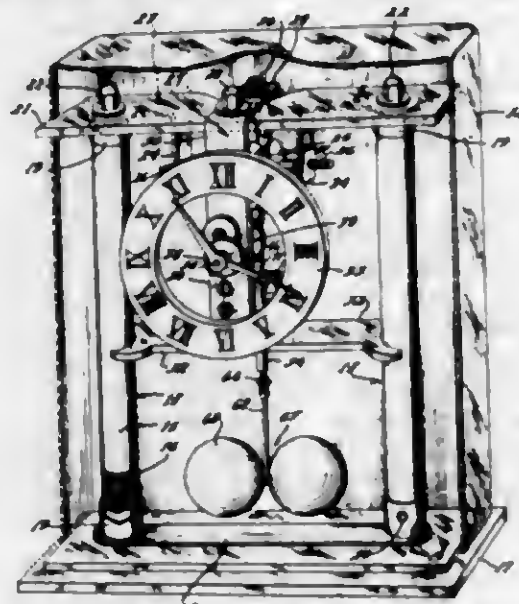
2,625,787

ELECTRIC CLOCK

Irving Reiner, New York, N. Y.
Application September 28, 1951, Serial No. 248,762
7 Claims. (Cl. 58-30)

1. In a clock having a ratchet-wheel for actuating the clock hands and a pendulum for rotating said ratchet-wheel, the combination of a pivoted bar adapted to rotate freely about the axis of said ratchet-wheel, a ratchet-pawl pivotally secured to said bar and adapted to impart rotary motion to said ratchet-wheel in one direction, a forked member attached to the free end of said bar and engageable at its forked end with said pendulum, whereby oscillation of said pendulum causes concomitant oscillation of said bar, a contact member attached to the free end of

said bar and insulated from all other portions of the clock, a pair of series connected batteries, and electrode members connected to opposite

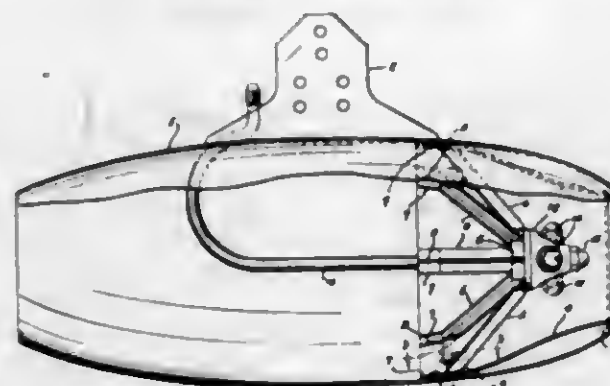


poles of said batteries and arranged on both sides of said bar in the path of movement of said contact member, said electrodes forming stops to limit the rotation of said bar.

2,625,788

FLAME HOLDER AND FUEL NOZZLE SUPPORTING MECHANISM FOR RAM JET ENGINES

Edwin P. Nelkirk, Ferguson, and John Izo, Jr., Overland, Mo., assignors to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application December 15, 1948, Serial No. 65,374
11 Claims. (Cl. 60-35.6)



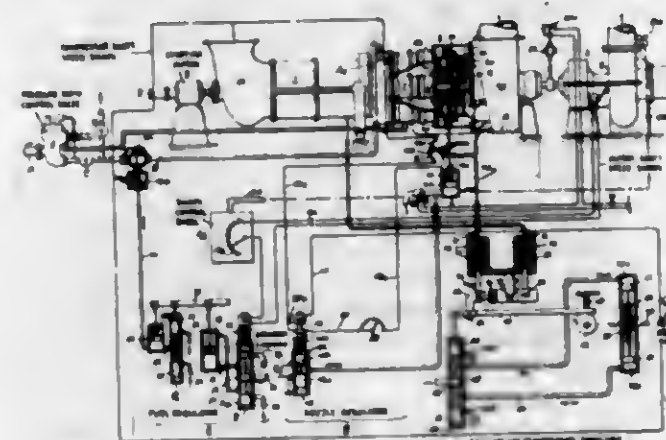
10. A ram jet engine comprising a tubular member open at the forward and rearward ends for the flow of air therethrough due to forward movement of the engine; a fuel supply fixture near the forward end of said tubular member; supporting means for said fixture locating said fixture on the longitudinal axis of said tubular member, said support means including circumferentially spaced radially extending and rearwardly inclined arms, said arms having surfaces offering resistance to the air flowing toward the rearward end of said tubular member to hold the flame of burning fuel aft of said arms, the flames being held on the edges thereof; a plurality of nozzles on said fixture in circumferential spaced and forwardly directed locations, said nozzles directing fuel supplied from said fixture forwardly into the air stream to be swept rearwardly toward said arms; and an axially located, forwardly directed nozzle on said fixture in addition to the aforesaid nozzles and receiving fuel from the fixture and directing some of the fuel forwardly to

be swept rearwardly to the more central area of said tubular member for burning aft of said arms, the flame being held on said arms.

2,625,789

REGULATOR FOR VARIABLE NOZZLE GAS TURBINE POWER PLANTS

Neal E. Starkey, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1951, Serial No. 252,916
14 Claims. (Cl. 60-39.09)

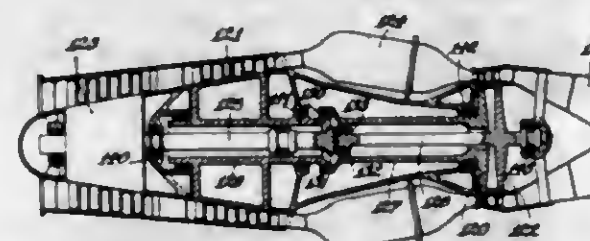


1. In a regulating system for a gas turbine powerplant having a compressor-combustor-turbine unit and a load output turbine unit, the compressor turbine rotor discharging the motive fluid through a variable nozzle ring to the load output turbine rotor, said rotors being mechanically independent, the combination of means responsive to speed of the load output turbine rotor for regulating the supply of fuel to the combustion system, and means responsive to the temperature of the motive fluid exhausted from the load turbine for varying the setting of the adjustable turbine nozzle to maintain output turbine exhaust temperature substantially constant.

2,625,790

ROTARY FLUID MACHINE ASSEMBLY
James Alexander Petrie, Littleover, England, assignor to Rolls-Royce Limited, Derby, England, a British company

Application October 20, 1949, Serial No. 122,440
In Great Britain October 28, 1948
1 Claim. (Cl. 60-39.16)



A gas-turbine engine comprising a first compressor casing having an inlet and an outlet; a first compressor rotor in said first compressor casing, and whereon, when in operation, a first axial load is developed; a first compressor shaft whereon said first compressor-rotor is mounted for rotation therewith, and to which said first axial load is transmitted; a second compressor casing having an inlet and an outlet; duct means from the outlet of said first compressor casing to the inlet of said second compressor casing; a second compressor rotor within said second compressor casing, coaxial with said first compressor rotor and whereon, when in operation, a second axial load is generated; a second compressor

shaft whereon said second compressor rotor is mounted for rotation therewith and to which said second axial load is transmitted, said second compressor shaft being hollow and surrounding said first compressor shaft; a first turbine casing having an inlet and an outlet; duct means from the outlet of said second compressor casing to the inlet of said first turbine casing and including heating means; a first turbine-rotor in said first turbine casing, coaxial with said compressor rotors and whereon, when in operation, a third axial load is generated; a first turbine shaft whereon said first turbine rotor is mounted for rotation therewith, and to which said third axial load is transmitted, said first turbine shaft being hollow; a second turbine casing having an inlet and an outlet; duct means from the outlet of said first turbine casing to the inlet of said second turbine casing; a second turbine-rotor in said second turbine casing, coaxial with said first turbine-rotor and whereon, when in operation, a fourth axial load is generated; a second turbine shaft whereon said second turbine rotor is mounted for rotation therewith and to which said fourth axial load is transmitted, said second turbine shaft extending inside said first turbine shaft; a first pair of sets of interengaging helical splines, the one on said second compressor shaft and the other on said first turbine shaft, whereby torque can be transmitted from said first turbine shaft to said second compressor shaft and whereof the helix lead on said first turbine shaft is in the same sense as the direction of rotation so that when torque is so transmitted a fifth axial load is generated in said first turbine shaft opposing said third axial load; a second pair of sets of helical connections the one on said first compressor shaft and the other on said second turbine shaft, whereby torque can be transmitted from said second turbine shaft to said first compressor shaft, and whereof the helix lead on said second turbine shaft is in the same sense as the direction of rotation so that when torque is so transmitted a sixth axial load is generated in said second turbine shaft opposing said fourth axial load; a first locating thrust-bearing for said first compressor shaft; a second locating thrust-bearing for said second compressor shaft; a third locating thrust-bearing for said first turbine shaft; and a fourth locating thrust-bearing for said second turbine shaft.

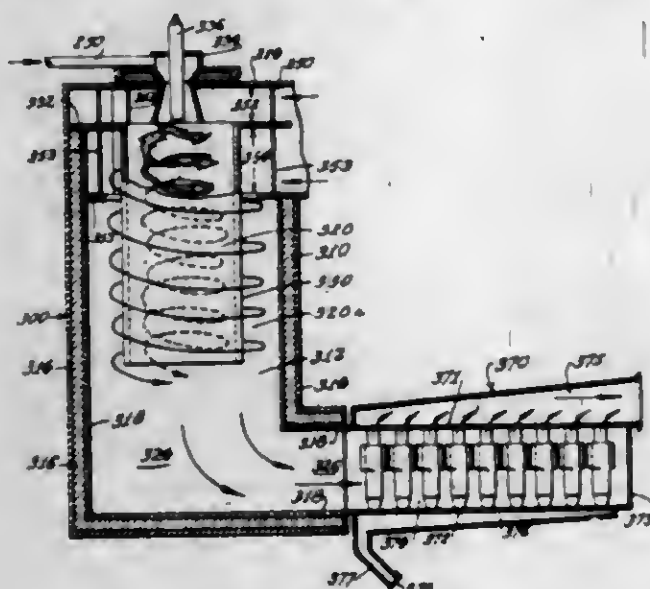
2,625,791

COAL PULVERIZATION AND COMBUSTION APPARATUS FOR GAS TURBINE POWER PLANTS

John I. Yellott, Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C., a corporation of Delaware
Original application August 17, 1946, Serial No. 691,307. Divided and this application July 29, 1947, Serial No. 764,429
4 Claims. (Cl. 60-39.46)

1. Apparatus for burning powdered fuel and adapted to deliver ash-free gases, comprising a vertically disposed outer cylindrical mixing chamber and an inner, concentric cylindrical combustion chamber, means for flowing admixed fuel and combustion air tangentially into said combustion chamber, whereby the fuel is burned with the formation of gaseous products of combustion and solid combustion residues, called fly ash, the fly ash being suspended in the gaseous combustion products, means for blowing cooling air tangentially around the said combustion chamber and into said mixing chamber to mix with the products of combustion from the combustion chamber, the said tangential streams being co-flowing, a

subadjacent discharge duct leading from the said mixing chamber, and means in the said duct for separating contained fly-ash from the gaseous stream.

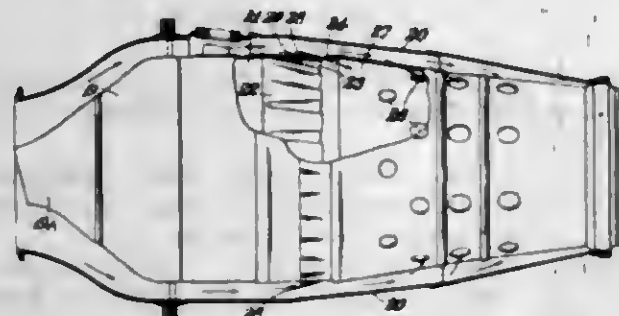


2. In a pulverized coal-fired apparatus for generating motive-power gas under pressure, in combination, a pressurized combustor, a crushed coal supply chamber, pneumatic means for feeding combustible air-borne crushed coal from said chamber to the combustor at a pressure above the pressure in the combustor, pulverizing means comprising a convergent nozzle in the pneumatic coal feeding means from said supply chamber to the combustor, means for supplying preheated combustion air to the air-borne pulverized coal downstream of the convergent nozzle, and means for supplying cooling air to the products of combustion of the pulverized coal in the combustor.

2,625,792

FLAME TUBE HAVING TELESCOPING WALLS WITH FLUTED ENDS TO ADMIT AIR

Denis McCarthy, and Alan Douglas French Smith, Derby, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Application September 2, 1948, Serial No. 47,398
In Great Britain September 10, 1947
5 Claims. (Cl. 60—39.65)

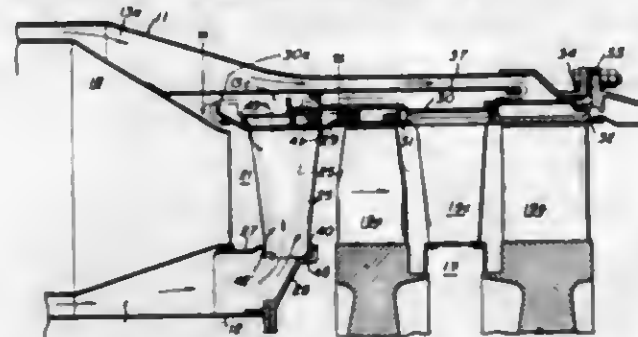


4. In a flame tube for use with the combustion equipment of a gas-turbine engine, a first tubular flame-tube wall member having an integral end-portion, a second tubular flame-tube wall member arranged in line with said first wall member and having an integral end portion formed with inwardly indented flutes or longitudinal corrugations, which end portion is received within said first mentioned integral end portion, engages therewith and is secured thereto, said flutes or longitudinal corrugations co-operating with said first mentioned integral end portions to provide between them duct-like air passages to the interior of the flame-tube, which air passages have their inlet ends facing upstream to the air flow externally of the flame-tube-wall.

2,625,793

GAS TURBINE APPARATUS WITH AIR-COOLING MEANS

George M. Mierley, Havertown, and John N. Schlotter, Philadelphia, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1949, Serial No. 94,202
1 Claim. (Cl. 60—39.65)

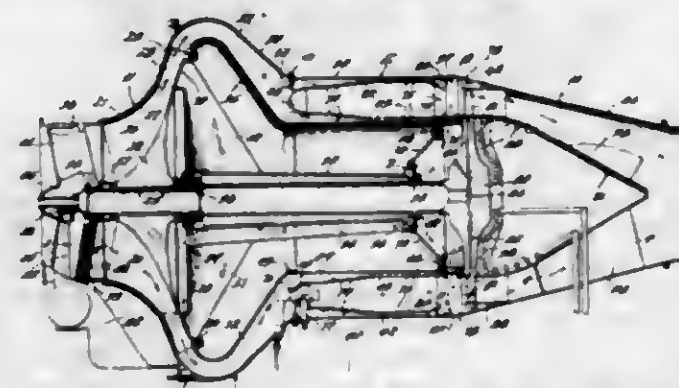


In a gas turbine power plant, a cylindrical casing, combustion structure including an annular outer wall coaxially spaced inwardly of said casing, an annular turbine shroud assembly supported interiorly of said casing at a point downstream of said combustion structure and extending coaxially upstream into spaced alignment with said outer wall thereof to define a turbine inlet passage, said outer wall of the combustion structure and said shroud assembly being spaced inwardly of said casing to form an outer annular cooling air passage which encompasses said shroud assembly and communicates with said turbine inlet passage only through the space between the upstream end of said shroud assembly and said outer wall of the combustion structure, and a tubular baffle secured to said outer wall of the combustion structure and coaxially spaced in telescoping relation between said casing and said shroud assembly, said baffle being adapted to guide cooling air to the downstream end of said outer annular passage where the direction of flow is reversed and the air conducted in cooling contact with said shroud assembly prior to introduction into said turbine inlet passage for modifying the temperature of turbine inlet gases.

2,625,794

GAS TURBINE POWER PLANT WITH DIVERSE COMBUSTION AND DILU- ENT AIR PATHS

Robert M. Williams and Curtis N. Lawter, Toledo, Ohio, assignors to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 25, 1946, Serial No. 649,871
2 Claims. (Cl. 60—39.65)



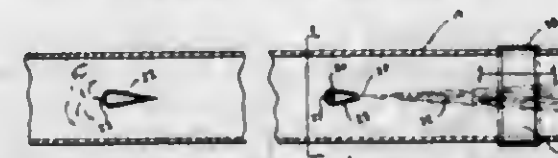
2. In a power plant of the type described having a combustion chamber in which fuel and air are admixed and burned, and a turbine to which exhaust gases are delivered from said chamber, said turbine including a turbine wheel, the com-

ination with a compressor including an impeller delivering air under pressure to said combustion chamber, of means admitting air so delivered to the rear face of the impeller, and means including a plate cooperating with the rear face of the impeller to form a radial chamber, and a pipe disposed at one side of the impeller axis and affording communication between said chamber and the forward face of the turbine wheel, for delivering air under pressure from a point adjacent the rear face of the impeller to the forward face of the turbine wheel, said point being so located radially of said impeller that the pressure of air thus applied to the forward face of the turbine wheel substantially counteracts the end thrust applied to said turbine wheel by gases discharging therefrom.

2,625,795

COMBUSTION STABILIZATION MEANS FOR HIGH-VELOCITY AIR STREAMS HAVING A PILOT BURNER AND A STREAMLINE IGNITER GRILL

Witold Brzozowski, Westmount, Quebec, Canada, assignor to Thermal Research and Engineering Corp., Waltham, Mass., a corporation of Delaware
Application February 26, 1946, Serial No. 650,305
4 Claims. (Cl. 60—39.72)

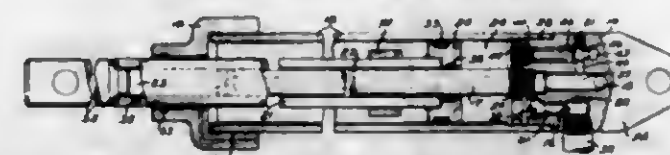


2. A heater for heating air moving at high velocity, said heater comprising: a substantially straight tube through which the air passes; a streamline device for mixing fuel with the air stream disposed in said tube; a streamline burner for continuously igniting a portion of the air-fuel mixture disposed downstream from said mixing device centrally within said tube; and an igniter grill comprising a plurality of streamline webs having one cross-sectional dimension longer than the other each extending completely across said tube in the path of the ignited and the unignited portions of the air-fuel mixture for receiving heat from the ignited portion of the air-fuel mixture and conveying such heat to the unignited portion of the air-fuel mixture to spread and shorten the flame within said tube, the longest cross-sectional dimension of each web of said grill extending in the direction of the air-fuel mixture flow; whereby the entire air-fuel mixture passes completely through said igniter grill in substantially turbulence-free condition.

2,625,796

MULTISPEED HYDRAULIC POWER DEVICE

William A. Traut, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 4, 1950, Serial No. 142,402
1 Claim. (Cl. 60—52)



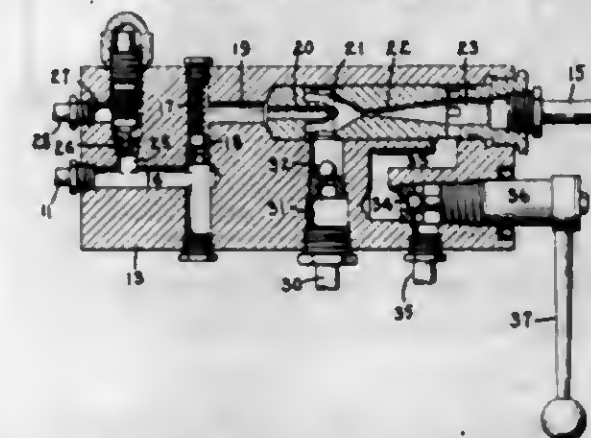
In a two-speed hydraulic jack, a cylindrical base member having separate high and low pressure liquid passages therein and also having a rigid hollow piston projecting therefrom and constantly communicating with said high pressure

passage, a tubular cylinder secured to and embracing said base member and surrounding said piston to provide an annular space, an annular plunger reciprocable within said space and having a bore slidably cooperable with said piston, the free end of said piston coacting with the adjacent end of said bore to provide a small plunger displacement chamber and the end of said plunger facing said base coacting therewith to provide a larger plunger displacement chamber communicable with both of said passages, a suction pressure actuated valve confined within said base for permitting free flow of liquid under low pressure from said low pressure passage to said larger chamber whenever liquid under pressure is being admitted from said high pressure passage to said small chamber to rapidly advance said plunger while the latter is unloaded, an adjustable pressure actuated valve also confined within said base for admitting liquid under high pressure from said high pressure passage to said larger chamber to simultaneously close said suction valve and to advance the plunger at slower speed when loaded, and another pressure actuated valve confined within said base for releasing liquid from said larger chamber to said low pressure inlet whenever said plunger is being retracted.

2,625,797

HYDRAULIC EDUCTOR VALVE

Henry Harold Poort and James H. Shaver, Grand Haven, Mich., assignors to Dake Engine Company, a corporation of Michigan
Application March 15, 1952, Serial No. 276,762
5 Claims. (Cl. 60—52)



1. The combination with a hydraulic pump having a fluid reservoir and a hydraulic ram having a cylinder and piston therein of an eduction valve comprising, a body having an inlet passage in communication with said pump and an outlet passage in communication with said cylinder, an induction chamber interposed between said inlet and outlet passages, an eduction conduit communicating between said reservoir and said induction chamber, a check valve in said eduction conduit opening in the direction of flow toward said induction chamber, a Venturi passage communicating between said induction chamber and said outlet passage, and a nozzle in communication with said inlet passage and having its outlet in said induction chamber directed toward said Venturi passage.

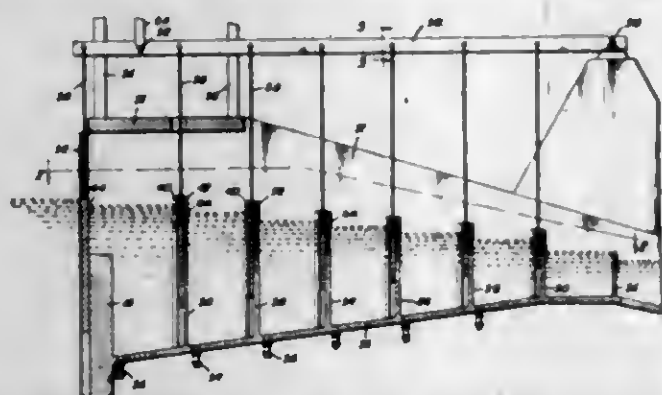
2,625,798

ADJUSTING GATE FOR FISH LADDERS

Russell O. Reed, Estacada, Oreg., assignor of one-half to Mary E. Reed, Estacada, Oreg.
Application August 15, 1949, Serial No. 110,379
7 Claims. (Cl. 61—21)

1. An adjustable gate construction for fish ladders having a plurality of longitudinally spaced

vertical partitions with gate openings there-through for the passage of fish comprising; guides on each partition, a gate having a spillway and being slidably mounted in said guides and vertically movable to adjust the overflow level of said



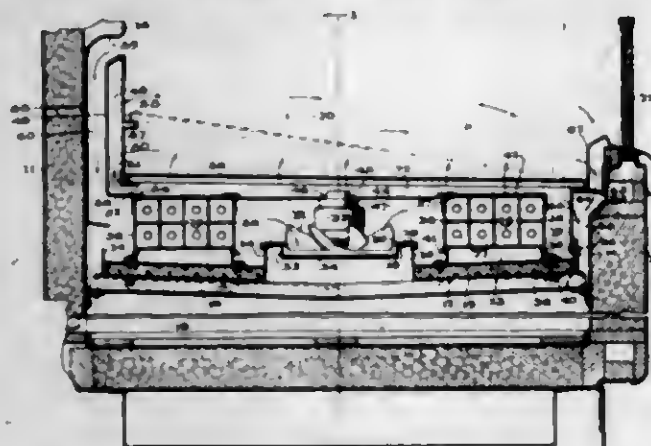
spillway, a control means for simultaneously moving all of said gates through proportionate distances relative to each other and connecting means for attaching each gate to said control means.

2,625,799

OPEN FRONT SELF-SERVICE REFRIGERATOR

Paul H. Brinkoeter, San Antonio, Tex., assignor to Ed Friedrich, Inc., San Antonio, Tex., a corporation of Texas

Application October 23, 1951, Serial No. 252,612
12 Claims. (Cl. 62-39.5)



1. In a display cabinet, the combination of a lower compartment and a food compartment, a shelf between said compartments for displaying merchandise, refrigerating coils located beneath said shelf, blowers for directing refrigerated air from said coils to and through said shelf and food compartment, air ducts located along the front and rear sides of said shelf for conducting cold air from said coils to said food compartment and warm air from said food compartment to said lower compartment, and a partition disposed between said refrigerating coils and lower compartment having an opening therein to provide communication between said lower compartment and said refrigerating coils, said blowers drawing the air from said lower compartment to said refrigerating coils.

2,625,800

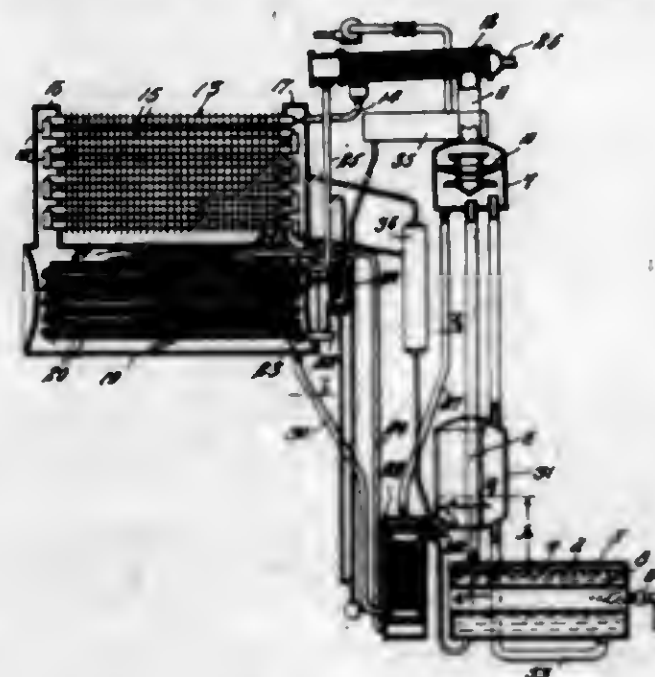
ABSORPTION REFRIGERATION

Norton E. Berry, Newburgh, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application May 25, 1950, Serial No. 164,059
10 Claims. (Cl. 62-119)

1. In an absorption refrigeration system, a circuit for absorption solution including a vapor

liquid-lift for raising absorption solution therein, said lift comprising a vessel, a separating chamber above the vessel, and a riser connecting the upper portion of the vessel to the separating chamber, means for heating the solution in the solution circuit to expel refrigerant vapor in



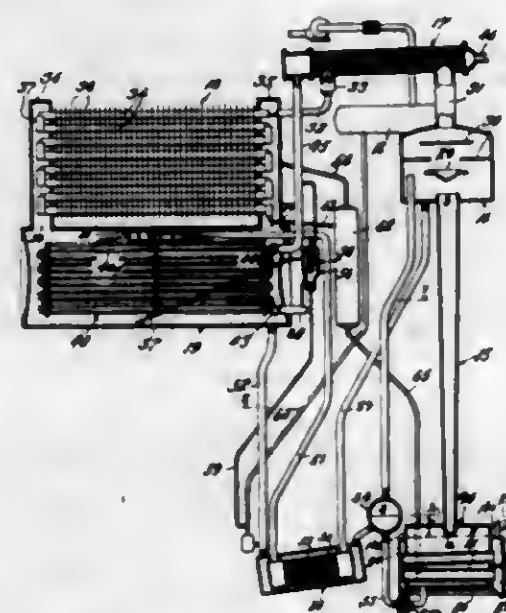
quantities sufficient to continuously maintain a body of vapor between the liquid solution and lower end of the riser, and means in the solution circuit for delivering absorption liquid in finely divided form into the vapor escaping from the body in the vessel into the riser.

2,625,801

ABSORPTION REFRIGERATION

Eugene P. Whitlow, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 9, 1951, Serial No. 220,002
12 Claims. (Cl. 62-119)



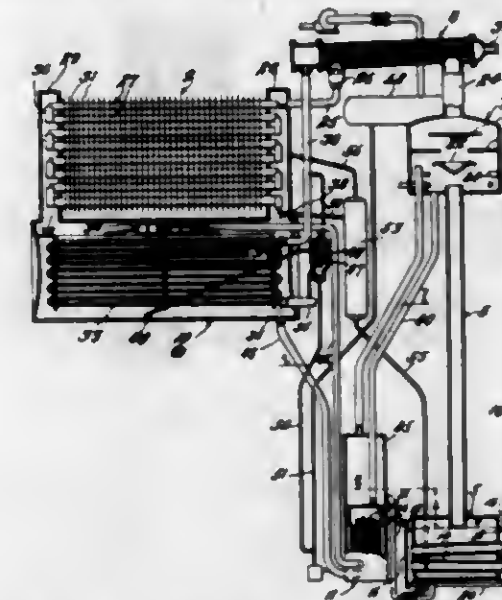
1. In an absorption refrigeration system, an absorption solution circuit having an upright lift conduit, the parts of said circuit being arranged for the gravity flow of absorption liquid to the bottom of said lift conduit, means for heating liquid in said circuit to expel refrigerant vapor, and at least a portion of said lift conduit having diverging walls to provide a passage of progressively increasing cross-sectional area.

2,625,802

ABSORPTION REFRIGERATION

Eugene P. Whitlow, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 9, 1951, Serial No. 220,001
13 Claims. (Cl. 62-119)



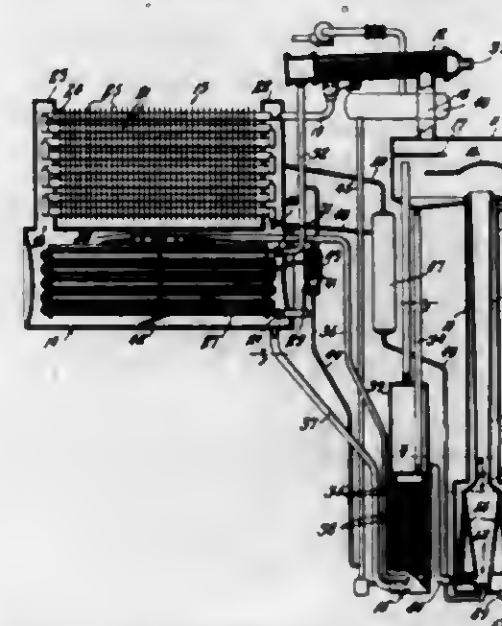
1. In a low pressure absorption refrigeration system, an absorption solution circuit having an upwardly directed lift conduit for any particular capacity and provided with a throat, the parts of said circuit being arranged to maintain a level of absorption solution in the circuit above the throat in said lift conduit, means for heating the liquid in said circuit below the throat of said lift conduit to expel refrigerant vapor at a constant rate, the cross-sectional area of said throat being correlated to the rate of vapor generation to cause the expelled vapor to flow through said throat and the lift conduit above the throat in continuous vapor phase at the desired rate and lift liquid suspended therein, and an additional heating means above the throat of said lift conduit to expel additional refrigerant vapor.

2,625,803

ABSORPTION REFRIGERATION

Walter M. Simpson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 7, 1951, Serial No. 219,777
11 Claims. (Cl. 62-119)



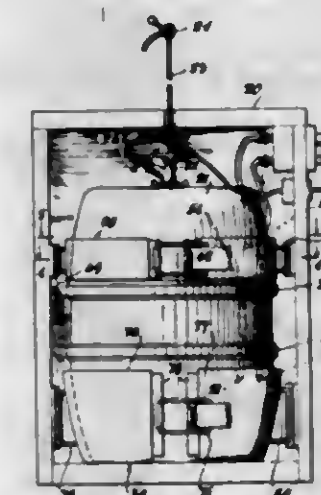
conduit for any particular capacity, the parts of said circuit being arranged to maintain a level of absorption solution above the bottom of said lift conduit, the wall of the lower portion of said lift conduit below said liquid level having a plurality of undulating folds to provide the heat transfer surface required to expel vapor in quantities sufficient to continuously maintain a body of vapor above the liquid level therein, means for heating the lower portion of said lift conduit, and the conduit above the undulating fold having a throat for producing a vapor velocity sufficient to lift solution at a controlled rate of relative circulation of vapor and liquid.

2,625,804

BARREL COOLING APPARATUS

Arthur H. Patch, Glen Ridge, and George M. Booth, Westfield, N. J., assignors to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware

Application June 28, 1949, Serial No. 101,752
11 Claims. (Cl. 62-141)



3. In barrel-cooling apparatus, in combination, a tank adapted to contain a body of coolant fluid exposed to atmospheric pressure, said tank having associated refrigerating means for cooling the fluid therein, a selectively inflatable and collapsible cooling vessel adapted to be associated with a barrel, supply conduit means and return conduit means extending to said vessel, a pumping device communicating with the fluid in said tank, for delivering said fluid into the supply conduit means at a pressure greater than atmospheric, a pumping device communicating with the return conduit means for withdrawing fluid therefrom, valve means associated with the supply conduit means and operable to close the latter to interrupt supply of fluid to the vessel, and flow-resisting means in said return conduit means, adapted to maintain the fluid in the vessel at a pressure greater than atmospheric.

2,625,805

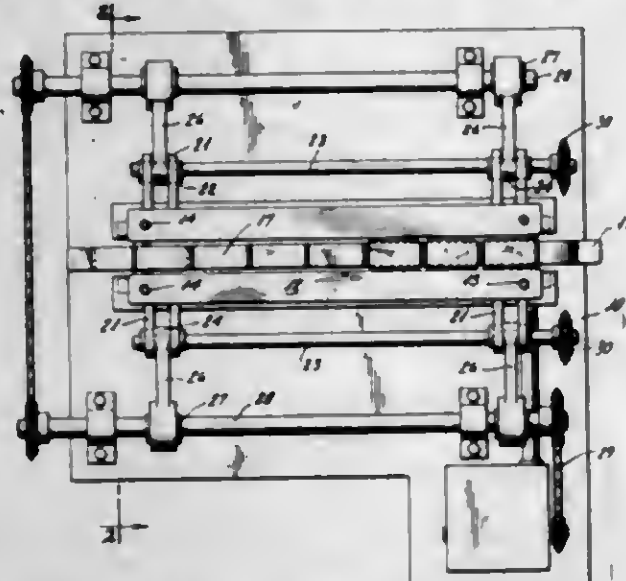
QUICK-FREEZE METHOD AND APPARATUS

Roy M. Magnuson, Campbell, Calif.

Application May 13, 1950, Serial No. 161,796
5 Claims. (Cl. 62-173)

1. A method of freezing packages of material that comprises advancing a package in stop-and-go fashion with respect to a freezing surface,

applying the freezing surface to the package each time the package is at rest, and applying a pulsating

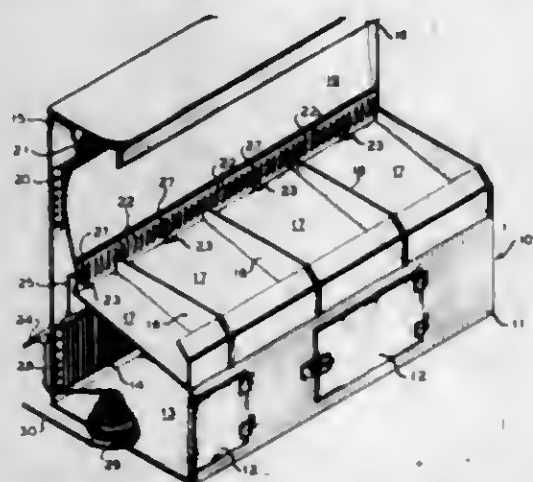


ing pressure effect to the package while it is engaged with the freezing surface.

2,625,806

MERCHANDISE DISPLAY CABINET

Garland C. Kennedy, Petersburg, Va., assignor to one-half to Elbert L. Pugh and Julian A. Pugh, doing business as Pugh's Super Market, Petersburg, Va.
Application March 29, 1950, Serial No. 152,706
1 Claim. (Cl. 62-89.5)



A merchandise display cabinet comprising a hollow base having a back wall and a sloping top wall for supporting produce thereon, the back wall of said base projecting beyond said top wall, a front panel positioned forwardly of said back wall and projecting upwardly from said top wall to provide a passage between said front panel and said back wall and communicating with said hollow base, said front panel having openings at the upper and lower edge portions thereof providing for the passage of air therethrough, cooling means located between said back wall and said front panel for cooling the warm air admitted through the openings at the upper edge portion of the front panel and discharging through the openings at the lower edge portion; additional cooling means positioned in said hollow base, a plurality of spray nozzles mounted on said base adjacent to said front panel and projecting forwardly thereof, a water coil disposed in said hollow base in heat exchange relation with said additional cooling means and connected to said spray nozzles, and means for supplying water to said water coil, whereby said additional cooling means pre-cools said water before its discharge through said spray nozzles and cools the top wall which supports the produce.

2,625,807

METHOD OF KNITTING

Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts
Application October 31, 1951, Serial No. 254,129
1 Claim. (Cl. 66-8)

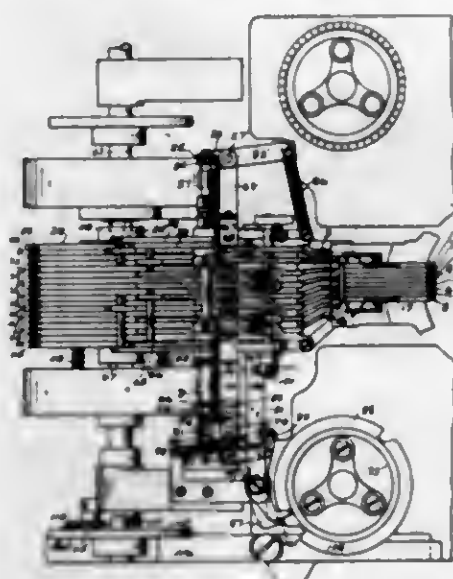


A method of knitting on circular, independent needle, knitting machinery, a substantial range of hosiery sizes having identical fabric characteristics in different circumferential dimensions, wherein knitting is effected by means of cylinders of constant diameter using numerically different complements of needles in different cylinders to produce said different circumferences of fabric, wherein the needles of said numerically different complements are evenly spaced apart by correspondingly different amounts, and wherein the same amount of yarn per loop is drawn by the needles in corresponding parts of said hosiery of different circumferential dimensions.

2,625,808

YARN LEVER CONTROLLING MECHANISM

Isaac H. C. Green, Pawtucket, and Joseph Wawzonek, Central Falls, R. I., assignors to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts
Application June 19, 1951, Serial No. 232,326
13 Claims. (Cl. 66-138)



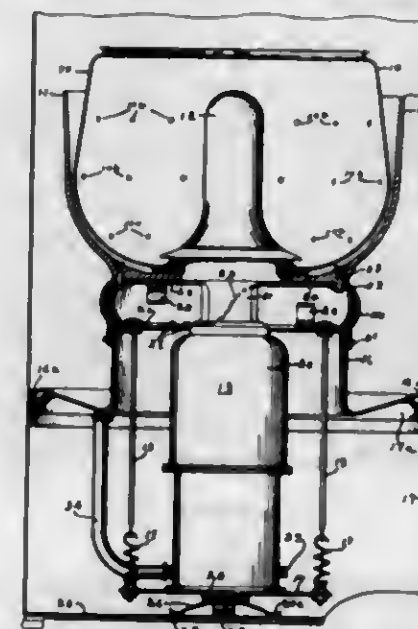
1. For a circular, independent needle, knitting machine, a yarn lever, a first means for controlling said yarn lever including a rotatable

drum having a plurality of cam rows, a rocker adapted to ride upon a cam row, yarn lever operating linkage between said rocker and said yarn lever, a second means for controlling said yarn lever which includes another rocker adapted to be operated by another cam row of said drum and connecting means between said first mentioned rocker and said other rocker whereby said first mentioned rocker may be operated by said other rocker.

2,625,809

CENTRIFUGAL WASHING MACHINE

Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 15, 1946, Serial No. 654,585
5 Claims. (Cl. 68-23)



2. A washing machine comprising: a liquid retaining, non-rotatable, upwardly directed and outwardly flared tub having a central tub opening at the bottom; a rotatable sleeve passing upwardly through said opening; a rotatable perforated basket within and closely spaced from said tub and having a central upwardly directed hub secured to said sleeve and having an opening therethrough; a vertically reciprocable shaft within said rotatable sleeve passing through said last named opening; a resilient bellows sealingly connected to said shaft and hub and preventing flow of liquid from said basket to said last named opening along said shaft; and liquid seal means around said sleeve between said tub and hub having relatively moving parts and restraining flow of liquid from said tub through said first named opening.

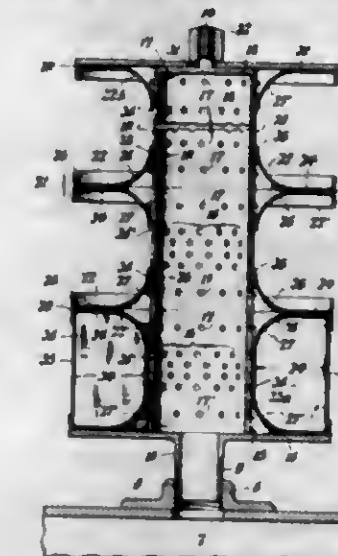
2,625,810

CAKE HOLDER FOR DYEING APPARATUS

Michael W. Reno and James E. Dougherty, Philadelphia, Pa.
Application July 20, 1949, Serial No. 105,872
6 Claims. (Cl. 68-198)

1. In a holder for supporting a pile of annular yarn packages or the like, a cylindric post upon which the packages are adapted to be impaled, said post having a longitudinal groove in its outer surface with lateral offsets spaced by a distance corresponding substantially to the thickness of a yarn package; discoid stop element for the first applied package affixed to the post at the bottom; axially-apertured discoid separators for impalement upon the post between packages, each separator having an inwardly projecting radial lug fitting the groove in the post and adapted, when the separator is

partially rotated after application over a yarn package, to lock into one of the offsets of said groove; a discoid cover element for engaging

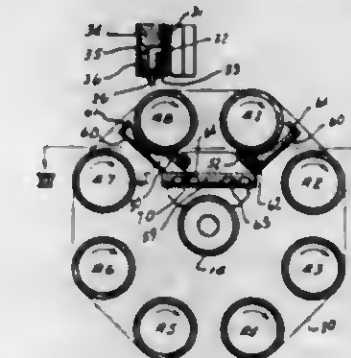


downward over the topmost package in the pile; and means for removably securing the cover element to the post.

2,625,811

THREAD PROCESSING REEL HAVING LIQUID APPLYING AND LIQUID REMOVING MEANS

Harry A. Kuljian, Merion, Pa., assignor to The Kuljian Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1949, Serial No. 73,285
8 Claims. (Cl. 68-205)



1. Apparatus for manufacturing or for processing thread, said apparatus including at least a first elongated roll and a second elongated roll disposed side by side with the thread passing over both of said rolls successively, means for rotating said rolls, valve means for supplying various liquids to longitudinally spaced zones of said first roll, a plurality of wipers for wiping longitudinally spaced, relatively narrow areas on the adjacent surface of said first roll, said areas being located between said zones, and an elongated wiper having its edge in contact with an adjacent portion of said second roll.

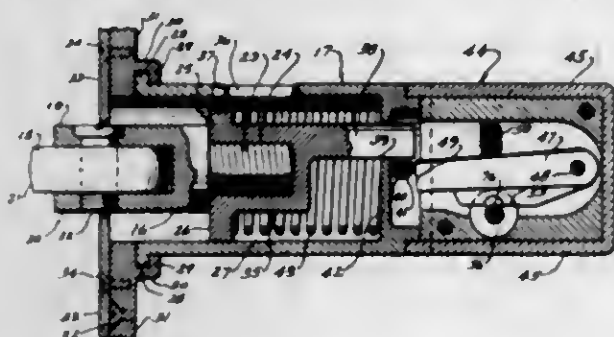
2,625,812

PLUNGER TYPE LOCK

Daniel C. Hay, Santa Monica, Calif.
Application September 24, 1945, Serial No. 618,294
10 Claims. (Cl. 70-144)

3. A door lock comprising a lock unit adapted to be inserted into the edge of a door and including an outer housing, a bolt freely slidable therein between extended and retracted positions, yieldable means urging said bolt towards its extended position, a latch member shiftable into the path of said bolt while the latter is extended, to pre-

vent the retraction of said bolt, means yieldably holding said latch member out of said path, and a pair of latch member actuators mounted to be manipulated from opposite sides of the door, each of said actuators being independently movable



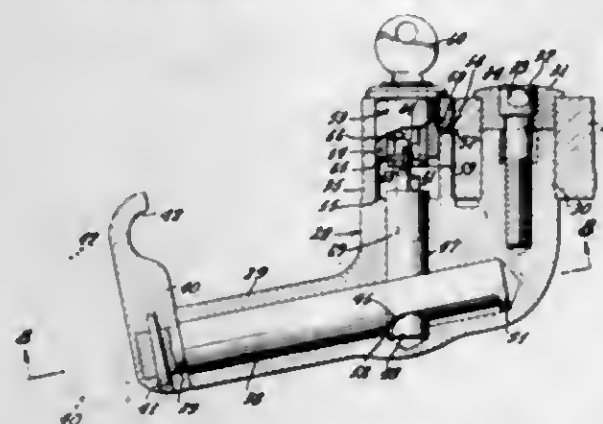
2,625,813

MOTORCYCLE LOCK

Lloyd E. Hinds, Los Angeles, Calif.

Application November 22, 1950, Serial No. 197,009

8 Claims. (Cl. 70-185)



1. A lock for a motorcycle provided with an apertured lug mounted on the frame closely adjacent and behind the lower end of the steering column, comprising: a lock housing adapted to be secured at one end to the lug; a first tubular portion of said housing projecting forwardly from the secured end thereof; a second tubular portion of said housing projecting at an angle to the said first tubular portion, the walls of the bores of said tubular portions partially intersecting one another; a rod rotatably mounted in said first tubular portion of the housing; a claw fixed to the forward end of said rod beyond the forward end of the first tubular housing portion, said rod being formed adjacent the inner end thereof with a pair of recesses; a locking rod rotatably mounted in the second tubular portion and being formed adjacent the inner end thereof with at least one recess substantially aligned with the bore of said first tubular member, the unrecessed surface of said locking rod shaped to engage with one or the other of the recesses of said first mentioned rod to hold the same against rotational and longitudinal movement; and means operatively connected to said locking rod to rotate the same to move the recess thereof into registry with one or the other of the recesses of said first mentioned rod to free the latter for rotational movement; said first mentioned rod being formed with a longitudinally extending cutaway portion contiguous to the recesses formed therein which portion, when said locking rod is moved to position

the recess thereof in registry with one or the other of the recesses of said first mentioned rod, frees the latter for longitudinal movement.

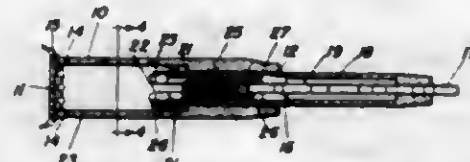
2,625,814

EJECTING KEY CONTAINER

Joseph Mullan, Baltimore, Md.

Application August 9, 1949, Serial No. 109,349

2 Claims. (Cl. 70-414)



1. A key container comprising a hollow casing having an open end and a closed end, said casing also having a pair of opposed longitudinal slots cut in the wall thereof at the open end, a hollow sleeve extending within the hollow casing having a portion protruding outwardly therefrom, said sleeve being slidable within said casing and having the end of its protruding portion shaped to retain a key non-rotatably in the sleeve, said sleeve having slots extending longitudinally thereof and in alignment with the slots in the casing, the head of the key adapted to extend through the slots in the sleeve and adapted to be received and held against turning by the slots of the casing, whereby the key is movable longitudinally with the sleeve and rotatably with the casing, and interlocking portions between the casing and the sleeve.

2,625,815

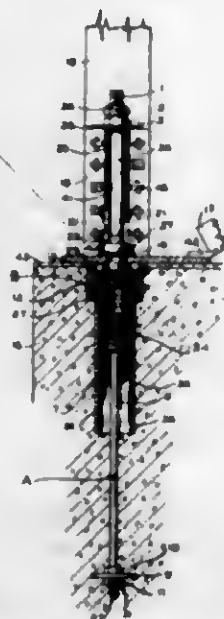
ADJUSTABLE ANCHORAGE

Eric A. Black, Red Bank, N. J.

Application October 23, 1943, Serial No. 507,356

14 Claims. (Cl. 72-77)

(Granted under Title 35, U. S. Code (1952), sec. 266)



1. An adjustable anchorage anchoring a leg of a structure, comprising a concrete foundation; an elongated rod, embedded for part of its length in said foundation, the upper end of said rod being externally threaded; an elongated adjusting member, disposed concentrically with said rod; one end of said member terminating in a tubular, internally threaded portion, in threaded engagement with said externally threaded portion; means near the other end of said member to facilitate rotation of said member; a base plate sustained both directly by the foundation and also indirectly by the foundation by way of the

member, the leg of the structure being sustained by said base plate; strap means loosely encircling said member and secured to said leg; and hold down means on said member to prevent said strap means from moving upward relative to said member.

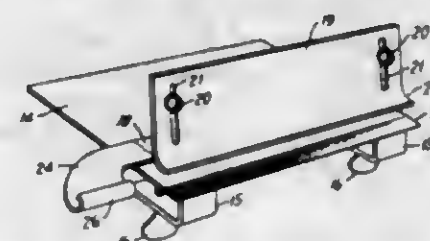
2,625,816

MASONRY POINTING TOOL

Louis S. Spallone, Denver, Colo.

Application June 6, 1951, Serial No. 230,143

3 Claims. (Cl. 72-138)



1. A masonry pointing tool comprising: a flat bed plate; bracket members mounted on said bed plate adjacent the front edge thereof; a front plate mounted on said bracket members and having its lower edge in parallel, spaced relation to the front edge of said bed plate; a forwardly projecting lip along the lower edge of the front plate in parallel relation to the front edge of the bed plate, said front plate being inclined rearwardly from a perpendicular position to form an acute angle with the plane of the bed plate; and clamps mounted on the bottom of said bed plate for securing the latter to any desired supporting tool.

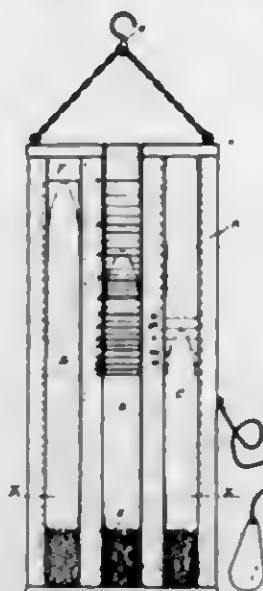
2,625,817

DEVICE FOR MEASURING THE VISCOSITY OF LIQUIDS

Rupert Oppenauer, Buenos Aires, Argentina

Application June 3, 1949, Serial No. 96,926

2 Claims. (Cl. 73-54)



1. A device for determining the viscosity of fluids comprising a support provided with three parallel grooves, three tubes of equal internal diameter positioned parallel to one another in said grooves, a pair of said tubes being hermetically sealed and each containing a given volume of a fluid of known viscosity, one of said pair of tubes having a mark formed thereon near an end thereof and containing a fluid of low viscosity, the other of said pair of tubes containing a fluid of high viscosity and having scale markings formed thereon according to the type of fluid therein, the third tube being closed at the lower end and open at the top and positioned between said pair

of tubes but of substantially less length than said pair of tubes for receiving the sample fluid therein, said groove containing the third tube having scale markings formed thereon starting from the same level as the mark of said first mentioned tube to below the lowest mark of the scale of said second mentioned tube and graded for comparison readings of the points reached by said various liquids after the liquid of lower viscosity has reached said mark of the first mentioned tube after the tilting of said support.

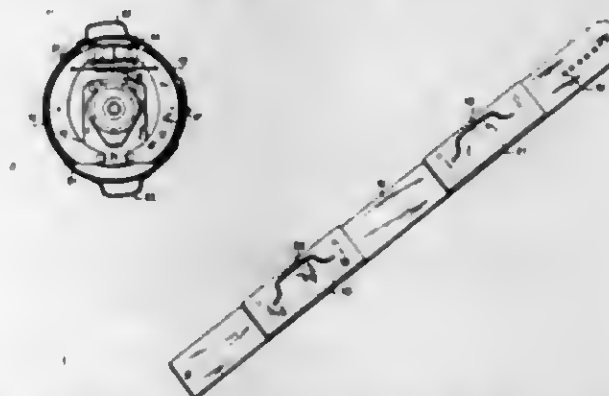
2,625,818

UNIVERSAL INSPECTION BRAKE DRUM

Clarence E. Pederson, Albuquerque, N. Mex.

Application June 28, 1950, Serial No. 170,891

3 Claims. (Cl. 73-121)



3. A dummy brake drum adapted to be positioned on the brake mechanism of a motor vehicle after the wheel and regular brake drum have been removed therefrom, said dummy brake drum comprising a band of substantially the width of the regular brake drum and formed into a ring and having its opposite ends provided with cooperating means for adjustably interconnecting said ends to vary the diameter of the ring in accordance with the diameter of the regular brake drum, said ring having substantially diametrically opposed thickened reinforcing portions to reinforce the ring and prevent bending thereof at those locations where the ring does not contact the brake mechanism when applied to the latter.

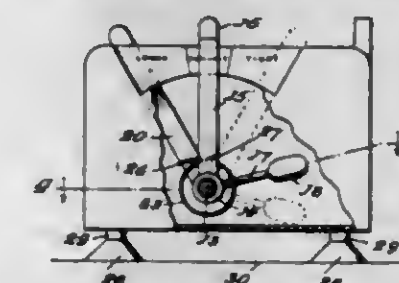
2,625,819

TENSION TESTING DEVICE FOR THE UPPER AND LOWER THREADS OF LOCK-STITCH SEWING MACHINES

Clarence R. Miller, Peoria, Ill.

Application August 12, 1949, Serial No. 109,887

4 Claims. (Cl. 73-143)



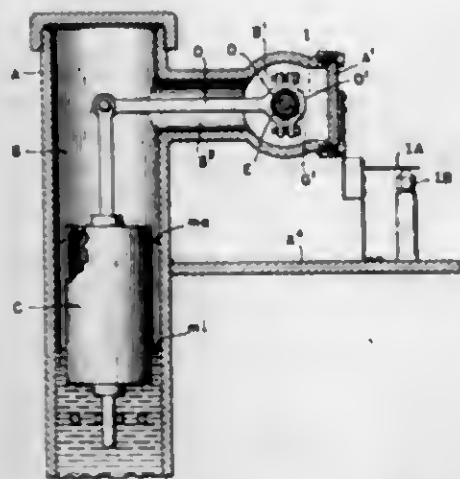
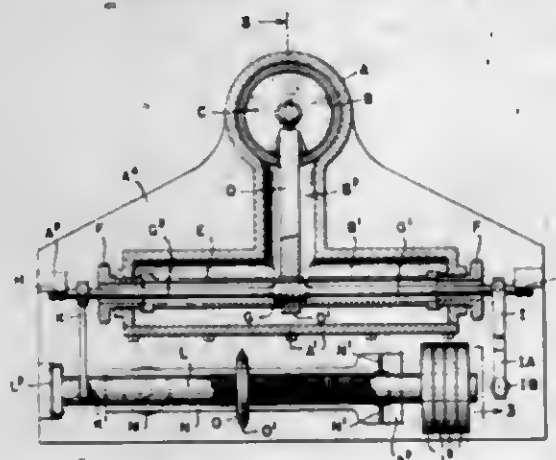
1. In a thread tension testing device for sewing machines, a casing, a shaft extending across said casing, a pair of levers mounted on said shaft for independent rotation thereon, the first of said levers having frictional thread gripping means at its free end, and spring means connecting said levers and causing rotative movement of the second of said levers to impart yieldable rotative movement of the first lever, said casing

having separate slots through which the free ends of said levers project, one of said slots having notches in one edge for releasably locking the second lever selectively in adjustably tensioning positions of the spring means.

2,625,820

LIQUID LEVEL GAUGE

Robert C. Whitehead, Jr., and Charles Ernest West, Philadelphia, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 13, 1951, Serial No. 210,656
12 Claims. (Cl. 73-309)



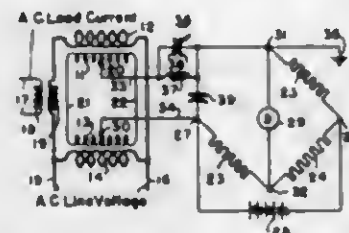
1. A liquid level responsive mechanism, comprising structure enclosing a space including a lower portion arranged to hold liquid having its upper surface varying between lower and upper levels and having spaced apart side wall portions at opposite sides of a portion of said space, a vertically elongated displacing member normally occupying a substantially constant position in which its upper and lower end portions are respectively above said upper level and below said lower level, whereby said liquid subjects said displacing member to a buoyant force which increases and decreases as the liquid level rises and falls, means controlling the vertical movements of said displacing member comprising a horizontally disposed torsion tube having its ends anchored in said side walls, a lever arm transverse to said tube and having one end secured to a central portion of said tube and having its other end connected to said displacing member and actuated by the latter to angularly adjust the central portion of said tube in accordance with the vertical movement of the displacing member on a change in said liquid level, an element having a portion within and secured to the central portion of said tube and a portion protruding from said tube, air control mechanism including a control valve adjusted by said ele-

ment to maintain a controlling air pressure varying with this liquid level in said space, and a servo-motor mechanically connected to the central portion of said tube and actuated by said controlling air pressure to subject the central portion of said tube to a counter torque normally balancing the first mentioned torque and thereby maintaining said displacing member at said approximately constant level.

2,625,821

MEASUREMENT OF ELECTRICAL WINDING TEMPERATURES

Gerhard M. Stein, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 14, 1949, Serial No. 121,408
14 Claims. (Cl. 73-350)



1. The method of measuring the temperature of the windings of an electrical apparatus having two windings inductively related to each other and connected to be energized from a source of alternating current supply for causing load current to flow therethrough, comprising connecting the apparatus winding the temperature of which is to be measured in a closed circuit arranged to provide two points thereof having the same alternating current potential, connecting the two points to a direct current bridge circuit for measuring the winding resistances of the winding paths between the two points in parallel, applying a direct current potential between the two points of the closed circuit of the apparatus winding connected to the bridge circuit, and measuring the temperature of the apparatus winding in the closed circuit by means of the bridge circuit while alternating current is flowing therethrough.

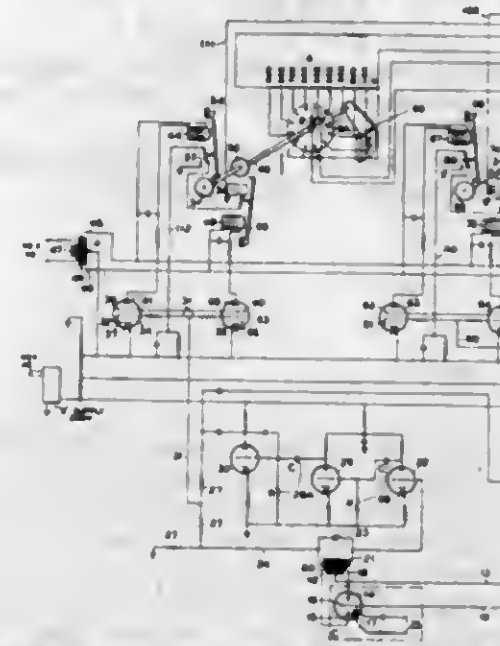
2,625,822

DIGITAL INDICATING ARRANGEMENT FOR MEASURING SYSTEMS

Nathaniel B. Nichols, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 15, 1949, Serial No. 99,266
3 Claims. (Cl. 73-360)

1. In a self-balancing potentiometer system, a potentiometer network including a source of uniform electromotive force and comprising a plurality of sets of series-connected stepped resistors, each set being of different decimal designation, adjustable wiper contacts cooperating with each set, the sets and the contacts being connected in the network to provide a potentiometer balancing resistance comprising portions of the sets of resistors, a thermocouple exposed to a temperature to be measured and connected to said potentiometer network so that its output electromotive force opposes that of said potentiometer across said balancing resistance, detecting means for detecting the unbalance between said electromotive forces, mechanism responsive to said detected unbalance for adjusting said wiper members over the sets of resistance in accordance with the magnitude of their decimal designation until the smallest designated resistor set is adjusted to bal-

ance said electromotive force, means including a digital register for exhibiting each digit of the value of the temperature to which said thermocouple is exposed, said register comprising separate members each exhibiting a series of numerals from 0 to 9 and each member being designated

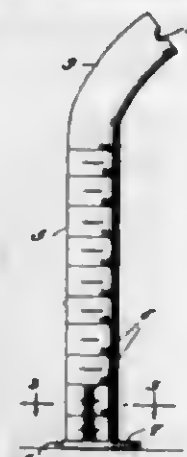


a decimal order corresponding to each of said sets of stepped resistors, means connected to said wiper adjusting mechanism to selectively position said members in accordance with said wiper adjustments to exhibit the numerals making up the numerical value of said temperature.

2,625,823

LIQUID GRADUATE

Elmer L. Erickson, Brookings, S. Dak.
Application April 23, 1948, Serial No. 22,790
1 Claim. (Cl. 73-427)



A measuring vessel comprising a transparent, tubular, upright column provided at its upper end with an inclined offset neck and at its lower end with a supporting base, said base extending laterally from the column and having a flat side edge disposed on the side of the column opposite that side from which the offset neck extends whereby the vessel may be held against rotation when the latter is laid down horizontally, a pouring lip formed on said neck approximately 90 degrees from the direction of said offset neck, there being a series of indicia on said column directly below said lip.

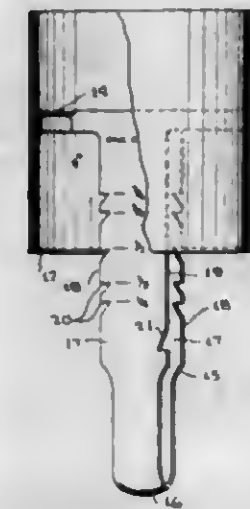
2,625,824

SHORTENING MEASURING CUP

Valerie Theadora Moe, Anaconda, Mont.
Application March 9, 1951, Serial No. 214,762
1 Claim. (Cl. 73-429)

A measuring device comprising a cylindrical shell member having an inturned peripheral

flange formed with diametrically opposed notches, a plunger disc slidably mounted in said shell member, and a generally U-shaped handle of flat material having arcuate side arms slidably received in said shell member and located in said opposed notches, said side arms being respectively connected to diametrically opposed peripheral portions of said plunger disc, the respective edges of one side arm being diametrically opposed to the edges of the other side arm, one

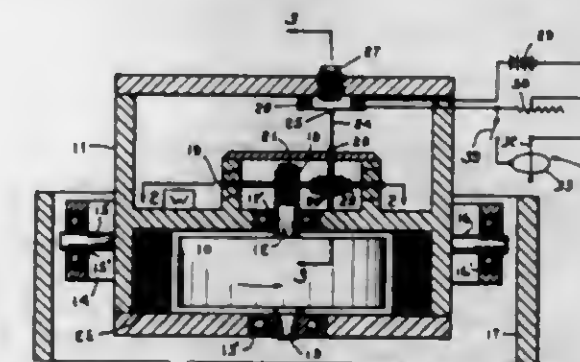


pair of diametrically opposed edges being each formed with a plurality of spaced detent notches arranged to interlock with said flange and spaced to define respective predetermined volumes in said shell member, and each of the other pair of diametrically opposed edges being formed solely adjacent the right portion of the handle with a single detent notch, the last named notches being arranged to interlock with said flange to limit expulsive sliding movement of the plunger disc through the shell member.

2,625,825

ERECTING DEVICE FOR GYROSCOPES

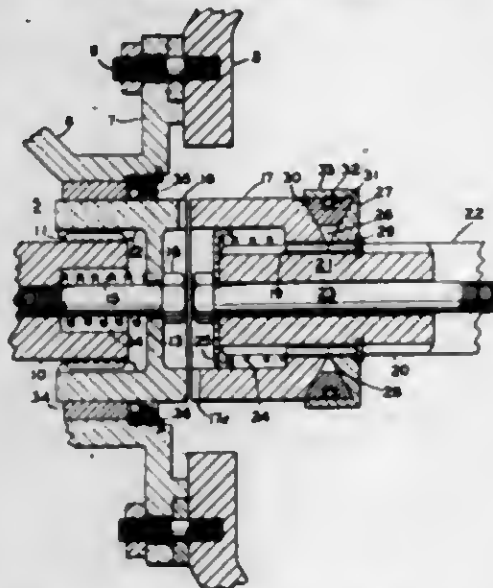
George Agins, Santa Monica, Calif., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York
Application March 8, 1951, Serial No. 214,614
11 Claims. (Cl. 74-544)



11. In an erection system for gyroscopes, a vertically disposed reed, said reed being secured to a rotating shaft and carrying a weight adjacent its free end, said weight being of electrically conducting material and electrical means for creating a magnetic field adjacent said weight and adapted to cooperatively function with said weight to effect viscous damping of the vibration of said reed, said electrical means comprising a magnetized member which is adjustable relative to said weight.

2,625,826

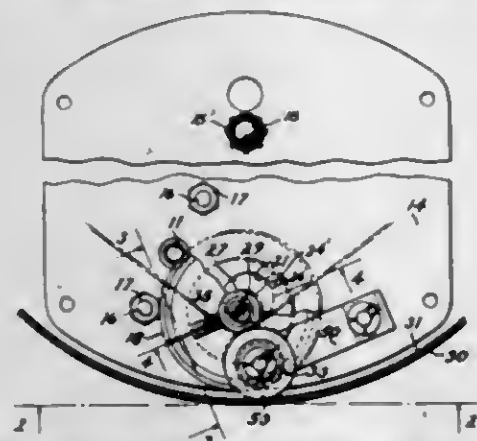
AUTOMATIC PREMESHING MECHANISM
Charles S. Metzger, Rochelle Park, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application May 15, 1951, Serial No. 226,427
5 Claims. (Cl. 74-7)



1. A starting device comprising, in combination, an engine jaw member slidably splined to an engine shaft, a fixed member on said engine shaft, means including a resilient member for biasing said engine jaw away from said fixed member, said last means also including a mass responsive to centrifugal force to overcome said bias upon said centrifugal force exceeding a predetermined value, and spring means for urging said engine jaw towards said fixed member.

2,625,827

DRIVE MECHANISM FOR PHONOGRAPH TURNTABLES AND TAPE MECHANISMS
Herbert L. Hartman, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application February 23, 1950, Serial No. 145,750
3 Claims. (Cl. 74-209)



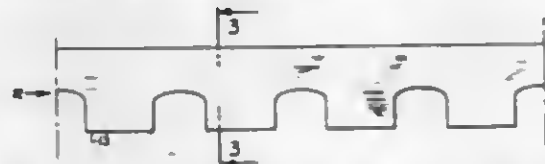
1. In a phonograph turntable drive mechanism of the class described wherein an idler wheel makes peripheral friction contact with a driving roller of relatively small diameter to drive said turntable, said turntable having a peripheral turntable flange, a main mounting plate for the phonograph motor, the driving roller comprising the rotor shaft of the motor projected through an aperture in said motor supporting plate, the idler wheel being mounted above said mounting plate, the hub portion of said idler wheel projecting upwardly therefrom, a relatively smaller idler wheel pivotally secured to said mounting plate and interposed between said relatively larger first named motor driven idler wheel and

the inner cylindrical surface of the peripheral turntable flange, said relatively smaller idler wheel being driven by the upwardly projecting hub portion of said relatively larger idler wheel.

2,625,828

COG TYPE V BELT

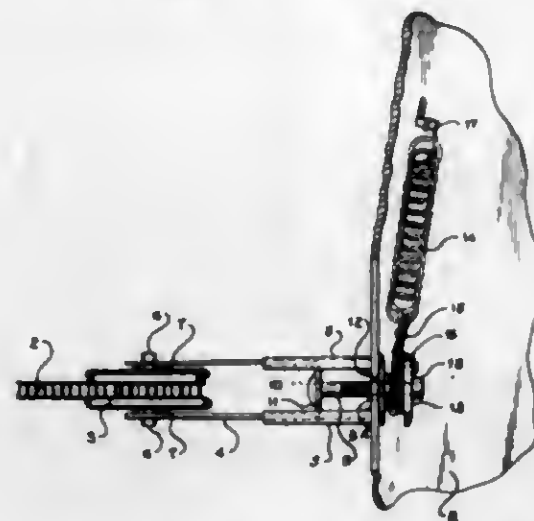
Ernest Nassimbene, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application October 19, 1950, Serial No. 190,998
3 Claims. (Cl. 74-233)



1. In a V-belt of the type having a plurality of spaced cogs disposed on the narrow side thereof, each cog having an exposed end surface adapted to face a V-pulley, the belt being constructed of rubber-like material provided with a reinforced tension section in the wider side thereof, the improvement which comprises: a wall disposed between adjacent cogs extending transversely between the pulley engaging sides of the belt, said wall having a concave central portion joined at its ends to the adjacent cogs by concave end portions, the radius of curvature of the central portion at all portions thereof being greater than the radius of curvature of the end portions.

2,625,829

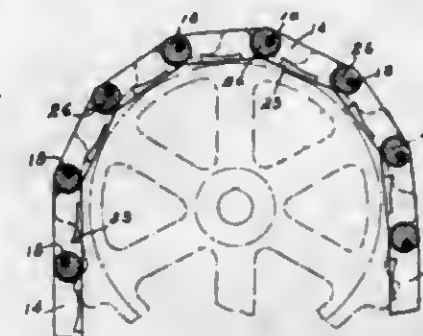
AUTOMATIC SLACK TAKE-UP MECHANISM
Edwin B. Nolt, New Holland, Pa., assignor to The New Holland Machine Division of the Sperry Corporation, New Holland, Pa., a corporation of Delaware
Application January 30, 1952, Serial No. 268,950
7 Claims. (Cl. 74-242.14)



1. Automatic slack take-up mechanism comprising stationary guide means, a slide disposed for linear movement in said guide means, a stationary member adjacent said guide means, a threaded element fixed to and projecting parallel to the movement of said slide, said element being freely movable through an opening in said stationary member, a nut threaded on the free end portion of said element in rotary abutting relation with said stationary member, a flexible element anchored to and wound around said nut, a tension spring connected to said flexible element, and means maintaining said spring under tension to rotate said nut and thereby move said slide along said guide means.

2,625,830

ATTACHMENT LINK FOR SPROCKET CHAINS
Sherman T. Transeau, Riverside, N. J.
Application September 20, 1950, Serial No. 185,845
3 Claims. (Cl. 74-255)

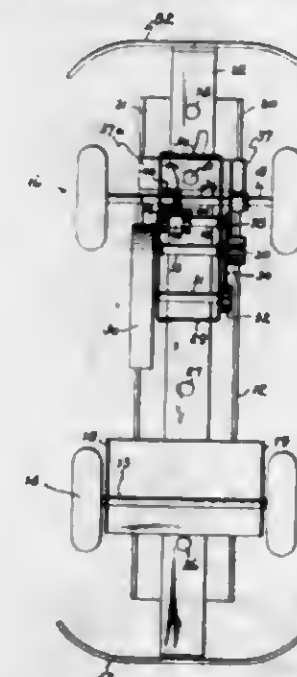


1. An endless chain adapted to be trained over a driving wheel comprising a plurality of links joined together in articulated relation by pivot pins extending transversely through opposite ends of each link, the articulated links of the chain being respectively provided with laterally spaced side bars integrally connected at least at one end of each link by a transversely extending wheel-engaging barrel having formed therein an eccentrically disposed bore for receiving one of the pivot pins aforesaid, said pivot-pin-receiving bores in the several links being all thus displaced eccentrically of the axes of the barrels in which they are formed to provide all of said barrels with thickened wall portions, the thickened wall portion of each barrel being restricted substantially to that circumferential quadrant of the barrel wall which forms the trailing portion of the barrel on the wheel-engaging side thereof, said thickened wall portions of the barrels of the several articulated links being disposed with their regions of maximum thickness all similarly oriented with relation to the direction of travel of the chain about the drive wheel.

2,625,831

TRANSMISSION

Paul B. Saunders, Jr., Aurora, Ill.
Application February 15, 1950, Serial No. 144,224
2 Claims. (Cl. 74-342)



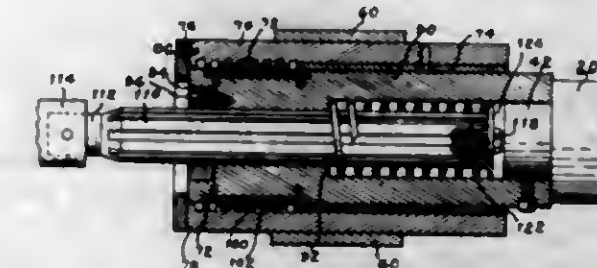
1. Reversing mechanism for a toy, comprising a wheel mounted frame, a first actuator mounted on said frame for reciprocal movement thereon in one direction thereof and having a slot extending angularly with respect to the path of

said movement, a second actuator mounted on said frame for reciprocal movement angularly with respect to said first actuator and having a pin engaging within said slot, the slot and pin arrangement being such that the reciprocal movement of one actuator effects reciprocal movement of the other, a shaft mounted for rotation and endwise movement and having a peripheral groove, an actuating member operable with one of said actuators and seated in said peripheral groove to permit the shaft to rotate, a driving gear carried by and rotatable with said shaft, and spaced driven gears separately engageable by the first mentioned gear, said driving gear being movable with the shaft by the actuating member into and out of engagement alternately with said spaced gears whereby to change the direction of movement of said toy.

2,625,832

MECHANISM FOR USE IN STOCK FEEDING DEVICES

Ralph H. Lowe, Dayton, Ohio
Application December 2, 1948, Serial No. 63,087
3 Claims. (Cl. 74-424.8)



1. A mechanical movement device for use in a stock feeding device for feeding stock with respect to a cutting tool, said mechanical movement device including a stationary member having threads extending throughout a portion of a revolution of the stationary member, said stationary member having a cut-away portion interrupting the threads, a movable member provided with thread segments adapted to threadedly engage the threads of the stationary member, the thread segments on said movable member extending throughout only a portion of a revolution, which portion has a circumferential length less than the circumferential distance across the cut-away portion in the stationary member, and means for retracting the movable member when the threads thereof are located in the cut-away portion of the stationary member.

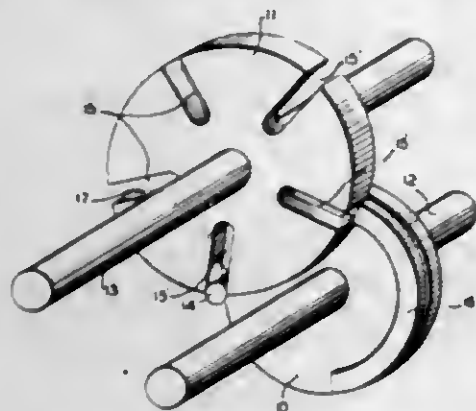
2,625,833

GENEVA MECHANISM

Olaf A. Johnson, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application December 31, 1949, Serial No. 136,210
3 Claims. (Cl. 74-436)

1. A mechanism for producing intermittent rotary motion comprising a rotating driving member and a rotary driven member, said driven member having a plurality of radially extending slots, said driving member having an arcuate rib projecting axially from one face thereof and a pin projecting axially from said same face, said rib being concentric to the axis of the driving member and extending part-way only around the axis of the driving member, said pin being adapted to engage in and pass through said slots successively to drive the driven member, and said driven member having portions projecting axially from one face in axial alignment with

the sides of the slots but extending for only part of the radial length of such slots, said portions engaging opposite sides of said rib successively during rotation of said driving member to hold the driven member intermittently against



rotation, said driving and driven members being so positioned relative to one another that the path of said pin is radial of the axis of the driven member at the moments of entry of the pin into and departure of the pin from a slot of the driven member.

2,625,834

CONTROL FOR MULTIPLE ENGINES

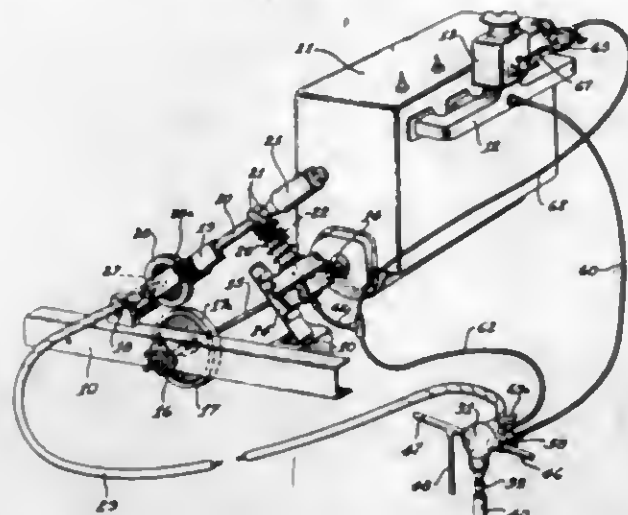
Clarence H. Jorgensen, East Rochester, and Willard T. Nickel, Howard H. Dietrich, and Donald P. Worden, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 15, 1949, Serial No. 105,002
4 Claims. (Cl. 74-471)



1. An apparatus for controlling multiple engines including, a speed controlling element for each engine, a master control lever, manually operated individual control levers for actuating the speed controlling elements of each engine and operable to control each engine throughout substantially the entire speed range thereof, a device releasably attached to each of said manually operated control levers whereby the speed controlling element of each engine can only be individually adjusted if the manually operated control lever therefor is released from said device, mechanisms interconnecting said master control lever and said devices whereby said manually operated control levers can only be moved by said master lever if said manually operated control levers are attached to said device, first adjusting means operatively connected in said mechanisms whereby said devices may be adjusted individually while said manually operated control levers are attached thereto, and second adjusting means operatively connected in said mechanisms whereby each of said mechanisms may be independently adjusted.

2,625,835
DRIVE MECHANISM FOR SOIL SAMPLING APPARATUS
Frank Marek, Phoenix, Ariz.
Application February 20, 1950, Serial No. 145,154
3 Claims. (Cl. 74-472)

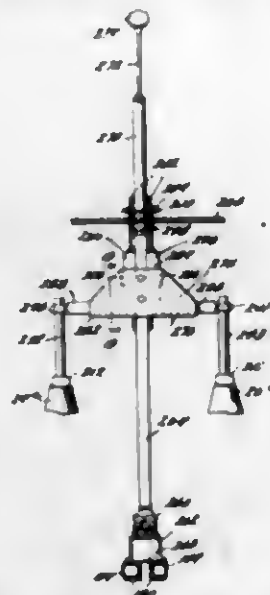


1. A soil sampling apparatus adapted for use with a motor vehicle having an internal combustion engine including a crankshaft, and intake manifold, and a carburetor, a driving wheel connected to be rotated by said crankshaft, a driven wheel movably mounted to be engaged with or disengaged from said driving wheel, a vacuum cylinder connected to move said driven wheel, a second vacuum cylinder connected to adjust said carburetor, and a common control valve adapted to simultaneously connect said cylinders to the manifold vacuum or to atmosphere to vary the speed of the motor in regard to the engagement or disengagement of the driving and driven wheels.

2,625,836

GEAR SHIFT MECHANISM

Daniel Herbert Spangler, Hamburg, Pa.
Original application November 4, 1948, Serial No. 58,178. Divided and this application January 24, 1951, Serial No. 207,611
6 Claims. (Cl. 74-473)

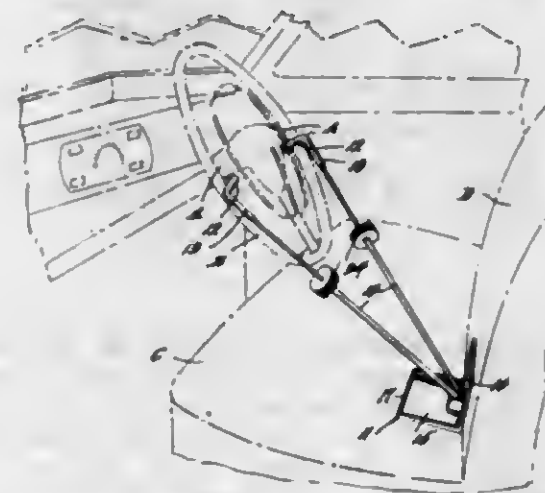


5. A gear shifting mechanism for a pair of transmissions comprising a shift lever for each transmission, a master lever pivoted at a point between said shift levers, a casing fixed to said master lever, and including portions extending laterally therefrom toward the shift levers, a pair of key members, one in each laterally extending portion of said casing, individual means to hold said key members in alternative vertical

positions with respect to said casing, said key members being provided at their outer ends with apertures adapted to slidably fit upon said shift levers.

2,625,837
STEERING WHEEL CLAMP FOR AUTOMOBILES

Ernest W. Holmes, Jr., Chattanooga, Tenn., assignor to Ernest Holmes Company, a corporation of Tennessee
Application April 20, 1950, Serial No. 157,087
12 Claims. (Cl. 74-495)

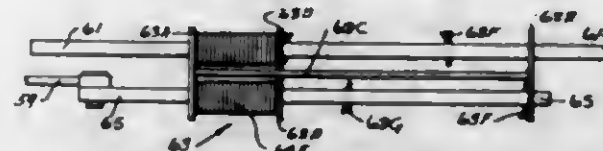


1. A steering wheel clamp for automotive vehicles, comprising an anchor member shaped to engage a portion of the vehicle to hold it from movement, and a pair of arms having universal joint connections at one end to said member for adjustment into different inclinations and different laterally divergent relations and having portions at their other ends engageable respectively with the rim and spokes at opposite sides of the steering wheel, said arms being adjustable in length and having means for securing them in fixed adjusted lengths.

2,625,838

COMPOSITE LINKAGE

James E. Dillard, Memphis, Tenn.
Original application January 14, 1950, Serial No. 138,627. Divided and this application April 7, 1951, Serial No. 219,852
2 Claims. (Cl. 74-582)



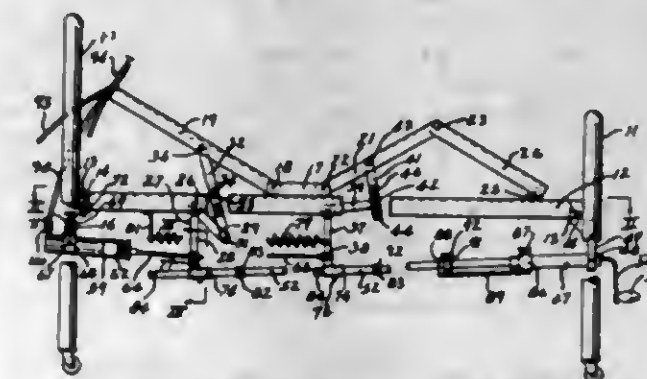
1. Linkage means, for operably coupling an engine throttle valve and valve operating means, which includes a rod having one end connected to said operating means and having its opposite end extending away from said operating means, a second rod having one end coupled to said valve and having its opposite end extending toward said operating means, said opposite rod ends being disposed in lapped relation, a substantially I-shaped member consisting of a pair of flanges spaced apart longitudinally of said rods, and a longitudinal member rigidly fixed to said flanges maintaining said flanges in spaced relation, said flanges lying transverse said rods and being apertured to slidably receive said lapped rod ends, said lapped rod ends being disposed in said apertures, a plate slidably mounted on said longitudinal member and said rod ends intermediate said flanges, spring means disposed between said

plate and the said flange proximate said operating means urging said plate toward the said flange remote from said operating means, stop means carried by said lapped rod ends intermediate said flanges, positioned for engagement by said plate during spring urged plate movement toward said remote flange to limit said movement, and stop means carried by said lapped rod ends adjacent said remote flange positioned to engage said remote flange during rod movement away from said operating means to limit said rod movement, whereby to yieldingly couple said lapped rod ends.

2,625,839

HAND OR POWER-OPERATED ACTUATING MECHANISM

Beamon V. Coleman, Birmingham, Ala.
Application February 24, 1950, Serial No. 146,032
3 Claims. (Cl. 74-625)

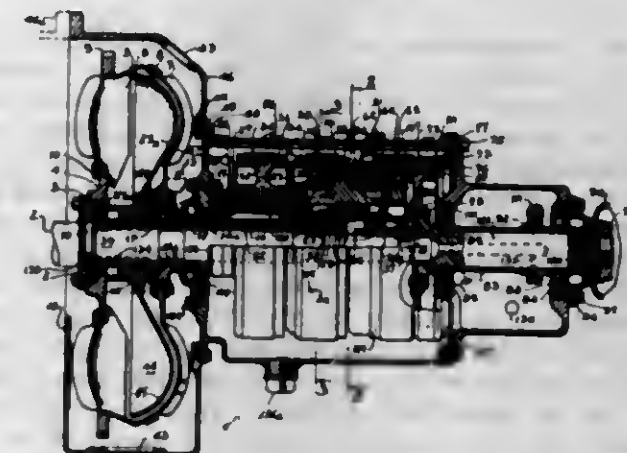


1. The combination with a manually operable reciprocable member operatively connected to a crank arm for raising and lowering a pivoted mattress frame section of a hospital bed, of a power actuated reciprocable member, a pivotal connection between the crank arm and said power actuated member, a member slidable on the manually operable reciprocable member, a pivotal connection between the slidable member and said power actuated member, and means engaging the slidable member with the manually operable reciprocable member when said manually operable reciprocable member moves in a direction to elevate the pivoted mattress frame section.

2,625,840

AUTOMATIC DIFFERENTIAL GEAR TRANSMISSION

William M. Sublette, Monrovia, Calif.
Application October 18, 1949, Serial No. 122,114
7 Claims. (Cl. 74-731)



1. In a hydraulic automatic differential gear transmission for self-propelled vehicles, a tubular planetary gear housing, a fluid driven shaft located axially within said housing, an engine driven sleeve shaft surrounding that end portion

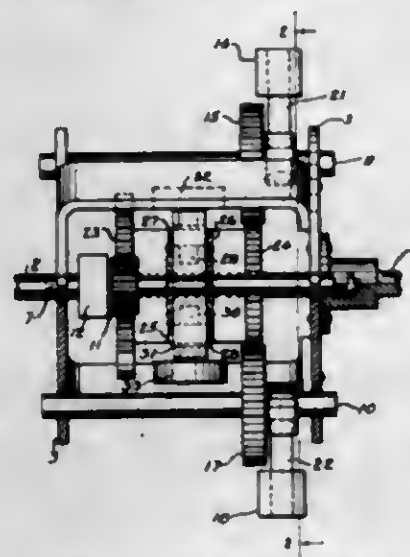
of said fluid driven shaft which is adjacent to the engine, a power transmission with variable speed means interposed between said fluid driven shaft and sleeve driven shaft, a power take-off shaft mounted adjacent to and in axial alignment with that end portion of said fluid driven shaft which is farthest from the engine, a planetary gear system positioned to transmit power from said sleeve shaft to said power take-off shaft, said gear system including sun and planetary gearing; said sun and planetary gearing including a drum having internal teeth in mesh with said planetary gear system and having a tubular hub surrounding said sleeve shaft in a rotatable relation to the latter, said hub being directed toward the engine and being located between the latter and the planetary gear wheels, a low gear drum surrounding said hub in a radially spaced relation thereto, a set of free wheeling rollers within said low gear drum in a surrounding relation to said hub so that said drum can rotate with said hub in one direction only; an additional drum having internal teeth in mesh with said planetary gearing and combined manual and automatic speed regulating means including braking means for all of said drums to regulate their rotation and thus control the travel of the planetary gears around said fluid driven shaft, said regulating means having operating connections that extend through that end portion of said tubular housing which is adjacent to the engine.

2,625,841

POWER TRANSMISSION SYSTEM

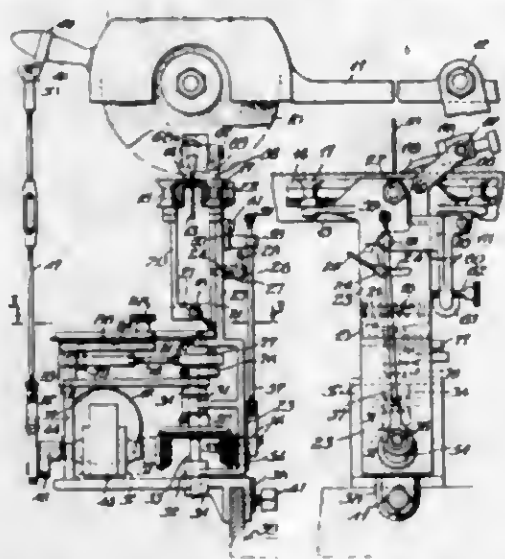
Nelson W. Lewis, Washington, D. C., assignor of forty per cent to Archibald McLachlen, Washington, D. C.

Application December 2, 1949, Serial No. 130,748
4 Claims. (Cl. 74-752)



1. An automatic variable transmission comprising a drive shaft, a driven shaft, a housing in driving connection with the driven shaft, two pairs of symmetrically positioned differentially weighted planet gears carried by the housing the gears of one pair being of equal weight and diametrically positioned, and the gears of the other pair being of equal weight but greater than the weight of the gears of the first said pair, and weighted by a mass connected to such gears through a resilient connection, an epicyclic gear train including idling gears in driving connection with the driven shaft, the said planet gears being in mesh with the idling gears of said train, the lighter weighted planet gears acting through complete revolutions on the gear train and the heavier weighted planet gear acting through a resilient oscillating movement on the said train and adapted to interact to automatically deliver a smooth torque to the driven shaft.

2,625,842
SAW SHARPENER
James McEwan, San Jose, Calif.
Application November 14, 1949, Serial No. 127,017
3 Claims. (Cl. 76-40)



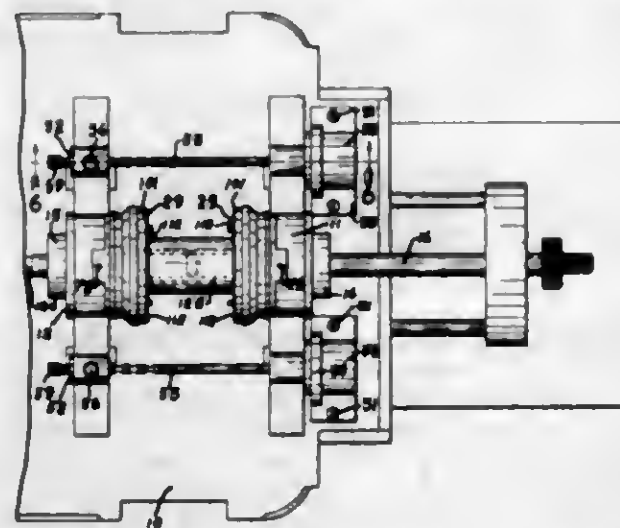
1. In a saw sharpener having a sharpening element and a saw support, means mounting said support for angular adjustment of said saw support to place the face of a saw tooth in a desired plane of adjustment with respect to the sharpening element, and means for moving said mounting means including a drive bellcrank having a pivotal mounting and a series of connecting stations including one in alignment with said pivotal mounting, a driven arm carried by said mounting means and extending along said bellcrank, and a connecting element for pivotal mounting in said arm and for connection to any selected one of said connecting stations.

2,625,843

MACHINE FOR BORING ARTICLES

Ewald A. Arp, Minneapolis, Minn., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application November 12, 1948, Serial No. 59,727
6 Claims. (Cl. 77-3)



1. In a machine of the character described, a frame, spaced apart, parallel supporting units mounted on said frame for movement toward and away from each other, aligned bearings upon said supporting units for removably receiving a boring bar locating element for insertion through an article to be bored while situated between said supporting units, spaced apart, self-adjusting clamping units upon said supporting units each comprised as an outer annular bearing support upon one of said supporting units and having a

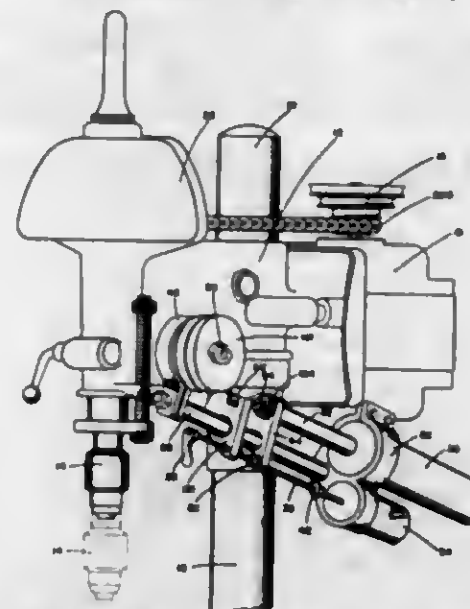
first annular, part-spherical bearing surface at its inner side and in concentric relation to said aligned bearings, an inner annular bearing support having a second annular, part-spherical bearing surface at its outer side and in spaced, concentric relation to said first annular, part-spherical bearing surface, means mounting the inner annular bearing support of each of said clamping units upon the outer annular bearing support thereof and interconnecting said inner and outer annular bearing supports for relative universal rocking movement, clamping surfaces upon and disposed inwardly of each of said inner annular bearing supports, said first and second annular, part-spherical bearing surfaces of each of said clamping units being concentric to an axis of rotation for the inner annular bearing support of the corresponding clamping unit in the longitudinal axis of a boring bar locating element when in said aligned bearings and also in the plane of the clamping surfaces upon said inner annular bearing support, said clamping surfaces of the inner annular bearing supports of the different clamping units being in substantially parallel, oppositely disposed relation and said clamping units being situated between said supporting units and said article and each having an opening disposed interiorly of the corresponding first and second annular, part-spherical bearing surfaces for passage of said boring bar locating element, and means for actuating said supporting units toward each other to cause said clamping surfaces upon said inner annular bearing supports to be engaged against oppositely disposed surfaces of said article.

2,625,844

ATTACHMENT FOR MECHANICALLY ACTUATING THE MANUALLY OPERABLE FEED ACTUATOR SHAFTS OF MACHINE TOOLS

Donald E. Beckett and William N. Beckett, Wilmington, Ohio, assignors of one-fourth to Herber W. Harcum and one-fourth to J. Bates Harcum, both of Wilmington, Ohio

Application October 20, 1947, Serial No. 780,800
5 Claims. (Cl. 77-33.7)



2. A portable attachment for mechanically rotating the manually operative spindle feed actuator shaft of a standard drill press, said attachment comprising a support element, means engageable with said shaft for suspending one end of said element therefrom, means remote from said shaft for fixedly securing the other end of said support element relative to the drill press, a drive member fixed to said shaft, a work cylinder, a piston therefor and a plunger, means securing said cylinder to said support

element, fluid lines to said cylinder at opposite sides of the piston, a valve to selectively supply fluid under pressure to said fluid lines to cause reciprocal movement of the piston and plunger, said valve including a housing and a reciprocable spool the opposite ends of which project from said housing, means actuated by said plunger for controlling and reversing the operating cycle of said valve by shifting said spool relative to the housing, abutment means adjustably secured to and carried by the ends of said spool for engagement with the ends of the housing for determining the rate of travel of said piston in said cylinder by limiting the stroke of said spool, flexible means interconnecting said plunger with the drive member of the spindle feed actuator shaft for translating linear motion of the plunger to rotary motion of said shaft.

2,625,845

MACHINE SPINDLE DEVICE

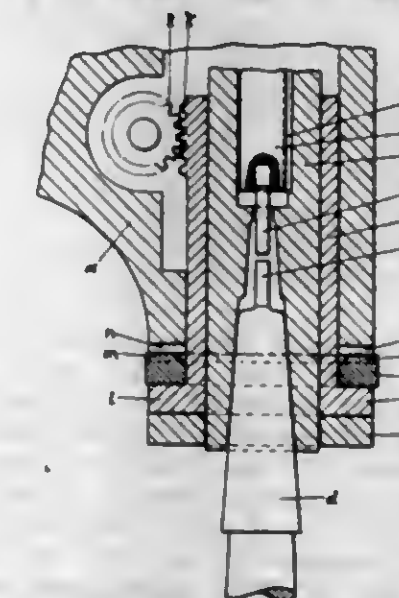
Curt Lorentz Thelning, Stockholm, Sweden
Application August 7, 1947, Serial No. 767,089

In Sweden April 2, 1948

Section 1, Public Law 690, August 8, 1946

Patent expires April 2, 1966

1 Claim. (Cl. 77-55)



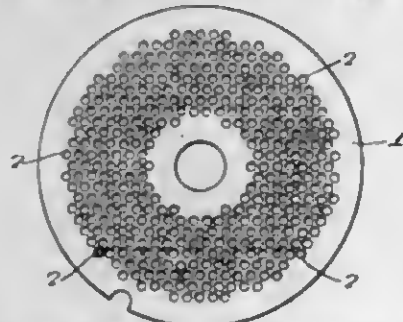
A machine spindle device comprising a frame member, a flanged sleeve positioned within said frame and being axially movable therein, the flanged portion extending below said frame, a spindle within said sleeve mounted for axial and rotational movement therein and having a tool receiving socket, said spindle having a retaining ring at its free end, said flange resting on said ring; a limiting stop member rotatable about said sleeve between said flange and frame member, said ring having alternating abutments and depressions thereon, said frame member having corresponding, facing, abutments and depressions, an axially stationary shaft for driving said spindle extending into said spindle, said spindle being axially movable with respect to said shaft, a tool knockout member carried by the end of said shaft and extending into said tool receiving socket for engagement with a tool, means for moving said spindle and sleeve in an axial direction, said spindle and sleeve being movable to bring said knockout member into operative contact with a tool in said socket when said limiting stop member is positioned with said abutments facing the depressions on said frame member and is interlocked therewith, said knockout member being rendered inoperative when said limiting stop member is rotated so as to bring the abutments thereof into position facing the abutments on said frame member to prevent interlocking of said stop member and frame.

2,625,848

METHOD OF DRILLING CUTTING PLATES
 Frederick P. Hess, Philadelphia, Pa., assignor to
 The Enterprise Manufacturing Co. of Penn-
 sylvania, Philadelphia, Pa., a corporation of Penn-
 sylvania

Application February 13, 1951, Serial No. 210,729
 4 Claims. (Cl. 77-64)

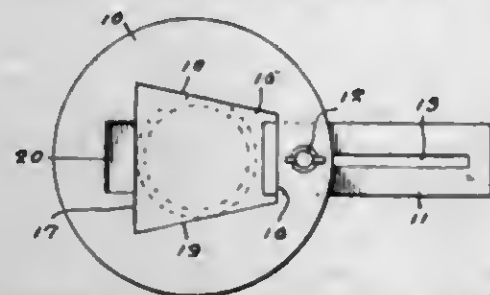
1. The method of drilling a large number of small openings in the cutter plates of food choppers utilizing a substantially less number of spindles than the total number of openings to be drilled in said plate, which comprises rotating a plate step-by-step from a predetermined start position through six successive increments each equal to one-sixth revolution of the plate, during the dwell between each step-by-step movement of the plate actuating a plurality of drill spindles as a group into operative engagement with the plate to drill correspondingly positioned openings therein, said plurality of drill spindles being predeterminedly and non-uniformly positioned relative to one another and constituting in number a small fractional part of the total number of openings to be drilled thereby in said plate, reversely positioning the partially drilled plate with respect to the drill



spindles, rotating said reversely positioned plate step-by-step from the same start position through a second series of six successive increments each equal to one-sixth revolution of the plate, and during the dwell between each second series of step-by-step movements of the plate actuating the plurality of drill spindles as a group into operative engagement with the reversely positioned plate to drill correspondingly positioned openings therein.

2,625,847

COIN-SHAPED BOTTLE OPENER
 Coleman T. Frasier, Louisville, Ky.
 Application June 9, 1950, Serial No. 167,010
 1 Claim. (Cl. 81-3.46)



In a bottle opener, the combination which comprises a flat circular body having a bottle cap receiving opening therethrough with a slot extending from the opening to the periphery of the body and also having a recess in the body positioned on the side of the opening opposite to that from which the slot extends, a blade having an elongated slot therein slidably mounted in the slot extending through the body and positioned with the inner end thereof in the said recess, the length of said blade being such that with one end positioned in the said recess and against the inner end thereof the opposite end is substantially within the periphery of the body

of the opener and a thumb screw threaded in the body and extended through the slot of the blade whereby the blade is selectively secured in retracted or extended positions.

2,625,848

WRENCH FOR RADIATOR CAPS
 James R. Davies and Lloyd C. Starkweather,
 Bakersfield, Calif.

Application January 21, 1950, Serial No. 139,902
 4 Claims. (Cl. 81-85)

1. A wrench of the character described, comprising an outer elongated tube having a laterally

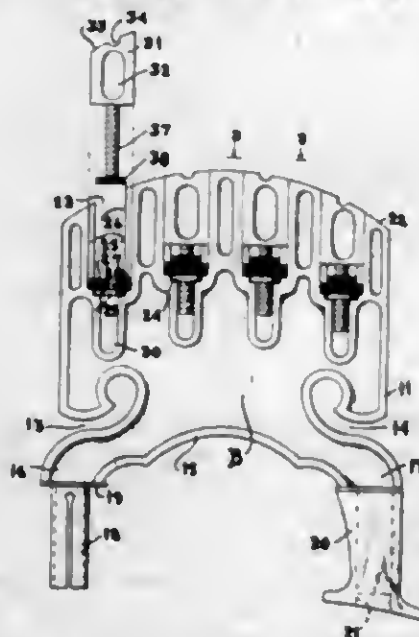


extending jaw on one end and a cross bar on the other, said tube having a slot open in the direction of the jaw, an inner elongated tube telescopically movable within the outer tube and having a jaw at one end extending laterally through said slot and in opposed relation to the first-mentioned jaw and having a knob on the opposite end, an expansion spring between the jaw ends of the tubes to spread the same and the jaws apart, said cross bar and knob being manually movable toward each other to move the jaws together against the force of the spring, and a shield interposed between the jaws and said cross bar and knob and carried by said outer tube.

2,625,849

BRIDGE FOR BASS VIOLINS
 Sebastiano Melita, Philadelphia, Pa., assignor of
 one-half to K. Herman Voellm, Philadelphia,
 Pa.

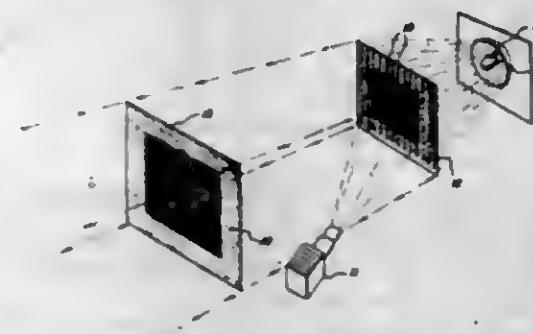
Application December 1, 1950, Serial No. 198,652
 7 Claims. (Cl. 84-309)



1. A bridge for musical instruments of the violin type comprising a metallic bridge member having a thin main body portion together with thickened edges, and a pair of split hollow legs

2,625,852

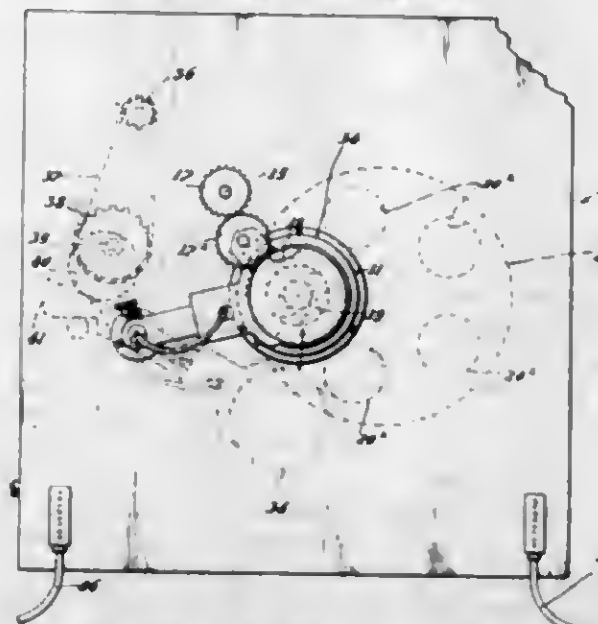
REFLECTING LIGHT RAY SCREEN SYSTEM
 Clarence H. Van Orden, Newark, N. J.
 Application January 13, 1950, Serial No. 138,409
 4 Claims. (Cl. 88-24)



2. In a picture projecting system, an upstanding mirror reflective screen member provided with a plurality of spaced apertures extending through and over its entire area, an upstanding diffusing and translucent viewing screen arranged parallel with and on one side of and facing one face of said screen member and spaced from the latter, a light source arranged on the other side of and facing the other face of said screen member and spaced from the latter, a reflector projecting the light from said light source toward said other face of said screen member, and a picture projection device arranged intermediate and laterally spaced on one side of said viewing screen and screen member and directed toward said one face of said screen member, whereby the light from the light source passes through the apertures in the screen member onto the viewing screen to thereby produce the desired contrast in the projected picture.

2,625,851

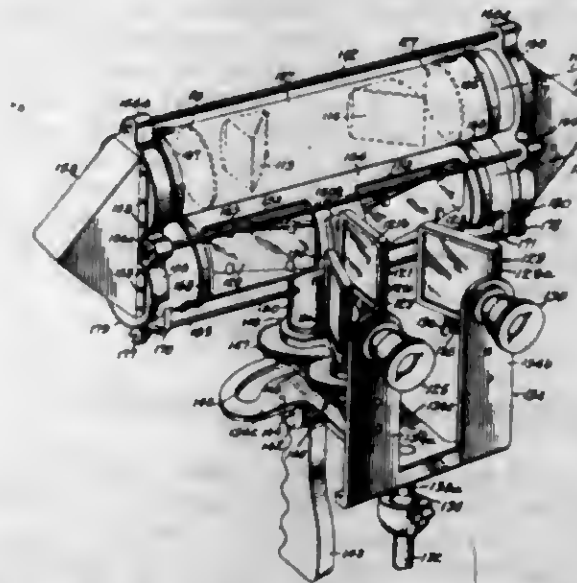
CAMERA LENS BOARD AND MEANS FOR CONTROLLING THE SAME
 Herbert Gelb, New York, N. Y., assignor to Joseph
 Gelb Company, New York, N. Y.
 Application April 29, 1949, Serial No. 90,312
 3 Claims. (Cl. 88-24)



1. A lens board; a lens mounted thereon; a flashlight; a bellcrank pivotally mounted on said lens board and having said flashlight mounted on one leg of said bellcrank, said bellcrank being so mounted that oscillation thereof on its pivotal axis moves said flashlight into and out of register with said lens; a shaft journaled on said lens board; an eccentric mounted on said shaft and engaging the other leg of said bellcrank, said eccentric rotatably effecting oscillation of said bellcrank; a motor for rotating said eccentric; a switch for stopping said motor; a cam mounted on said shaft for actuating said switch once each half revolution of said shaft; and another switch for turning said flashlight off and on, said last named switch being actuated by said other leg of said bellcrank.

2,625,853

PANORAMIC TELESCOPE DEVICE
 Roger Hayward, Pasadena, Calif., assignor to the
 United States of America as represented by the
 Secretary of the Army
 Application February 3, 1948, Serial No. 6,030
 19 Claims. (Cl. 88-32)



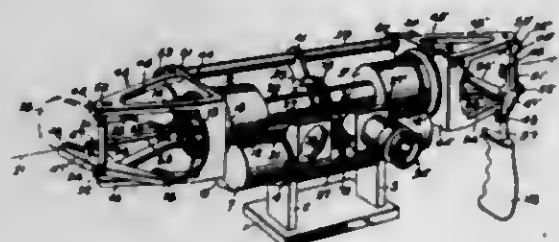
1. In a panoramic telescope, a first casing having a cylindrical surface defining a normally horizontal first axis, means mounting said casing for pivotal movement about a normally vertical second axis perpendicular to said first axis, frame means journaled on said first casing for pivotal movement about said first axis, a second casing having a cylindrical surface defining a third axis, means journaling said second casing in said frame with said third axis parallel to said first axis, an

entrance reflector carried by said second casing and adapted to reflect entering rays along said third axis, a double reflector fixed with said frame in position to reflect rays proceeding along said third axis through 180° to and along said first axis, and means connecting said cylindrical surfaces in rolling relation only in response to angular movement of said second casing and frame as a unit about said first axis.

2,625,854

PANORAMIC BINOCULAR TELESCOPE

Roger Hayward, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Army
Application December 2, 1947, Serial No. 789,283
5 Claims. (Cl. 88-32)



3. In a binocular telescopic scanning instrument, a base, a pair of eyepieces, means mounting said eyepieces on said base for translation only toward and from each other for interpupillary adjustment, first bearing means on said base defining a first axis normal to the parallel optical axes of said eyepieces, first and second holders, means rigidly connecting said holders and journaling the same in said bearings for revolution about said first axis, second bearing means on said holders defining a second axis parallel to and offset from said first axis, an objective lens mounted in each holder respectively with its optical axis coincident with said second axis, a rigid unitary frame journaled on said second bearing means, a pair of entrance reflectors pivoted in said frame on respective spaced parallel third axes, each said third axis being in the plane of its reflector and normal to said second axis, a parallelogram linkage connecting said entrance reflectors for pivotal movement in unison in said frame, reflector means in each holder operable to reflect the rays from a respective objective to a corresponding eyepiece, means connecting said base and frame to rotate said entrance reflectors as a unit about said second axis through twice the angle through which said holders revolve about said first axis, and a control handle directly connected with one said entrance reflector along its said third axis.

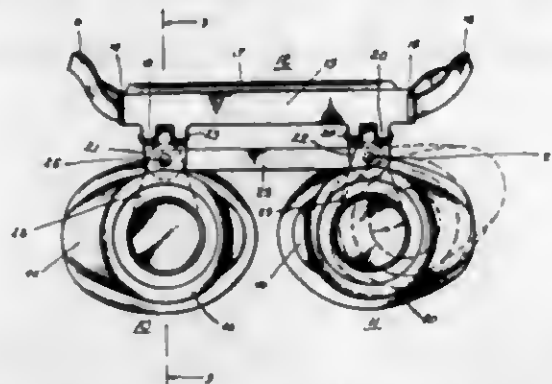
2,625,855

ADJUSTABLE HEAD-SUPPORTED BINOCULAR

James E. Gaylor, Huntington Park, Calif.
Application January 30, 1950, Serial No. 141,335
8 Claims. (Cl. 88-36)

1. A head-supported binocular comprising in combination a mounting means of the type to be attached to and across the wearer's forehead, two casings, each of them containing lenses for one of the wearer's eyes, hinge means between said mounting means and said casings, said hinge means having an axis substantially parallel to and somewhat above a line joining the two pupillary axes of the wearer's eyes and substantially perpendicular with respect to said pupillary axes, so that said two casings can be turned from their normal operative position in front of the wearer's

eyes to a raised and inoperative position and vice versa, at least one pivot means between said hinge means and said casings, said pivot means having an axis substantially parallel with respect to the pupillary axes of the wearer's eyes, and clamping means on said pivot means to frictionally engage projecting portions of said casings, so that said projecting portions with said

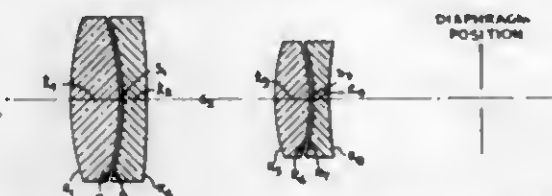


casings can be swung independently from one another in front of the wearer's eyes about said pivot axis in a plane substantially perpendicular with respect to said pupillary axes to adjust the proper interocular distance, said clamping means exerting such friction on said projecting parts that the adjusted position of said casings will be retained.

2,625,856

TELECENTRIC OBJECTIVE

Robert M. Muller, Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 3, 1949, Serial No. 113,920
11 Claims. (Cl. 88-57)



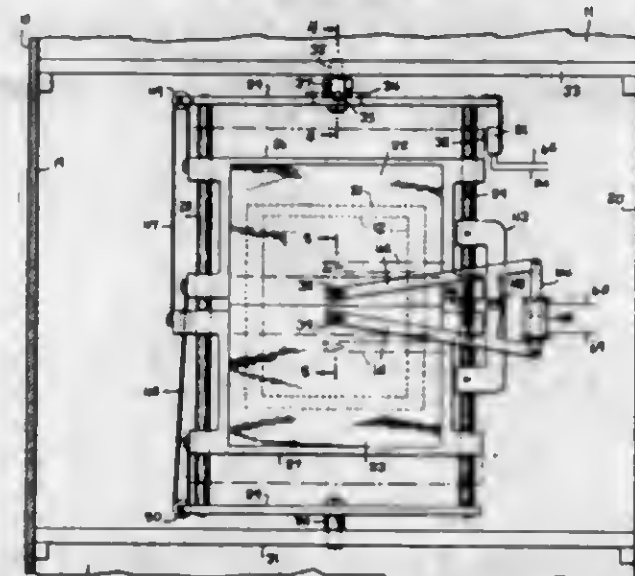
1. A telecentric projection lens system of predetermined magnification and relatively long working distance and highly corrected for distortion and curvature of field, said lens system consisting of a front positive component, a rear positive component in axially aligned spaced relation relative thereto, and a telecentric diaphragm spaced rearwardly of said rear component and located substantially at the principal focus of said system, the distance between said rear component and said diaphragm being between substantially 49 and 57 percent of the focal length of said system, and the distance between said front and rear components being between substantially 30 and 40 percent of the focal length of said system, said front component being a doublet consisting of a biconvex element and a negative meniscus of higher refractive index rearwardly thereof, the adjacent surfaces of said element and said meniscus being of closely matching curvatures allowing a nesting thereof, said rear component being a doublet consisting of a biconvex element and a biconcave element of higher refractive index adjacent the rear thereof, the spacing between said front and rear components being of a predetermined amount and axially adjustable slightly relative to each other to provide said predetermined image magnification while the rear conjugate distance remains substantially unchanged, the elements of said front component being

spaced between substantially 1 and 5 percent of the distance between said front and rear components from each other and axially adjustable slightly in either direction relative to each other so as to reduce distortion to a minimum, when errors of magnification and distortion occur in the system due to manufacturing inaccuracies or the like.

2,625,857

POSE-REFLECTING PHOTOGRAPHIC APPARATUS

Luther G. Simjian, Riverside, Conn.
Application July 26, 1949, Serial No. 106,783
8 Claims. (Cl. 88-74)

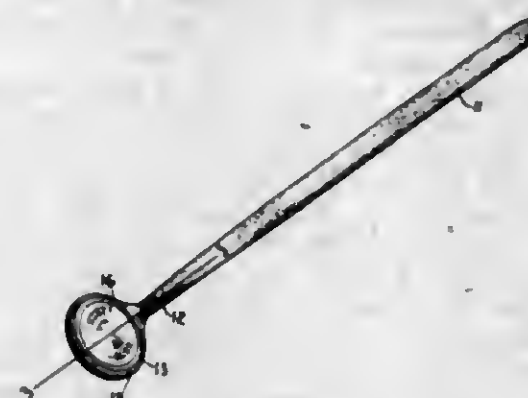


1. A pose reflector for use with a camera having a lens, comprising two complementary mirror sections having adjacent edges, respectively, shaped to match each other, and substantially parallel reflector surfaces, respectively, extending transversely of the axis of the camera lens and facing away from the camera; means for guiding at least one of said mirror sections for movement in the plane of its reflector surface to and from a reflecting position in which said adjacent edges of the mirror sections meet in matching relation with each other and pass substantially within the light path to the camera lens, so that said mirror sections together present a substantially uninterrupted reflector surface in said reflecting position; and means for moving said one mirror section to and from said reflecting position.

2,625,858

MOUTH MIRROR

George C. Dreher, Short Hills, N. J.
Application June 1, 1950, Serial No. 185,516
1 Claim. (Cl. 88-104)



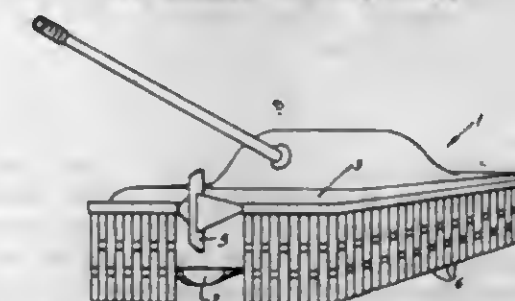
A mouth mirror comprising an elongated cylindrical handle formed of material having a high coefficient of thermal conduction and being of

substantially uniform cross-section along its longitudinal axis, an integral disc-shaped portion formed at one end of the handle and disposed at an acute angle thereto, said portion having a recess formed in one face thereof which recess is not greater than approximately four times the diameter of the handle, said recess defining a flat seat for a mirror, a mirror having a flat back positioned in the recess with its back in intimate contact with the bottom of the recess and in intimate heat exchange relationship between the said mirror and the disc-shaped portion, and a flange surrounding the recess in peripheral contact with the front of the mirror and maintaining the back of the mirror in contact with the bottom of the recess.

2,625,859

ARMORED SKIRT FOR TANKS

Juliana S. Dandini, Reno, Nev.
Application February 7, 1949, Serial No. 74,887
6 Claims. (Cl. 88-36)

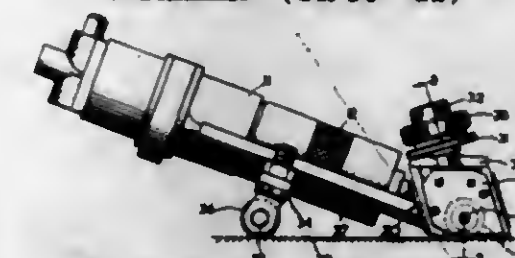


1. An armored skirt for a tank of the character described, comprising a railing secured to the tank above the undercarriage thereof to project outwardly therefrom, a row of hooks secured upon the railing to project downward therefrom, and a row of rigid, substantially cylindrical bodies having eyelets at their upper ends engaging over the hooks for swingably suspending the bodies from the hooks.

2,625,860

TOOL FOR SHAVING DOWN LOCAL PROTUBERANCES

Joseph Flester, Coventry, England, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Baginton, Coventry, England
Application January 8, 1951, Serial No. 204,120
In Great Britain March 22, 1950
4 Claims. (Cl. 90-12)



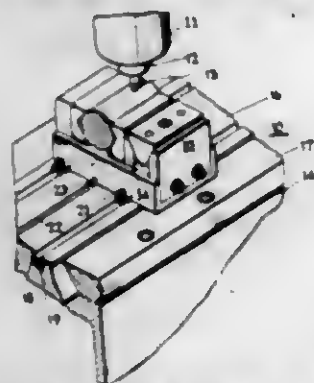
1. A tool for shaving down local protuberances on a generally-flat surface, comprising a spindle, driving means for said spindle, an elongated body supporting said driving means and said spindle, a rotary cutter supported from said body, gearing interconnecting said cutter and said spindle, two slides carried by said body and respectively positioned adjacent each side of said cutter to engage said generally-flat surface, a bridging piece rigidly interconnecting said slides remotely from their operative faces, means acting on said bridging piece for simultaneously adjusting said slides relatively to said body whereby to limit the depth of cut, and two spaced supports carried by said body remote from said cutter to provide with

the operative faces of said slides a stable multi-point support for the tool, from said surface, in a position in which said body and spindle are at a relatively small angle to the said surface and in which said cutter can shave down any protuberance to a predetermined extent.

2,625,861

WORK MOUNTING FIXTURE

Leonard Swanson, Erie, Pa., assignor to Swanson Tool & Machine Products, Inc., Erie, Pa., a corporation of Pennsylvania
Application November 8, 1946, Serial No. 708,694
2 Claims. (Cl. 90-60)

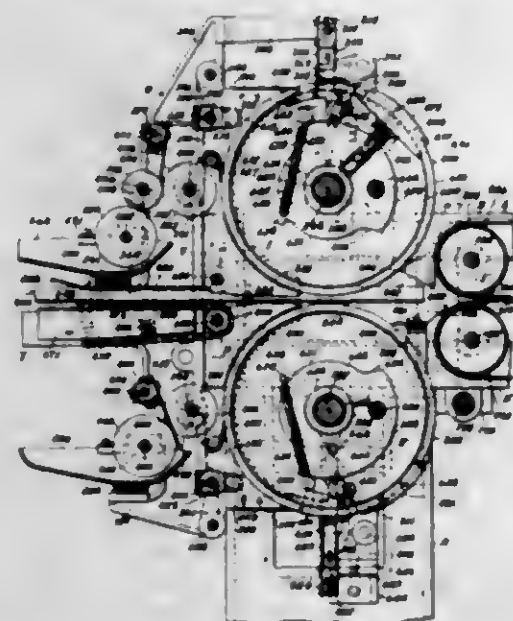


1. In a machine of the class described, a work mounting fixture comprising a base, members mounted on said base for joint movement in opposite directions, jaw carrying blocks on said members engageable with a work piece, means on proximate parts of said members cooperating to form a wedge opening, an adjusting member carried by said base, a wedge portion on said adjusting member movable into said opening and spring means interposed between other proximate parts of said members, said spring means serving to move said members in a direction to move said jaw carrying blocks away from each other when said adjusting member is withdrawn from said opening.

2,625,862

BAG HANDLE MAKING AND APPLYING MACHINE

William H. Bokenkroger, Hudson Falls, and True M. Avery, Glens Falls, N. Y., assignors to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey
Application May 5, 1947, Serial No. 746,170
17 Claims. (Cl. 93-8)



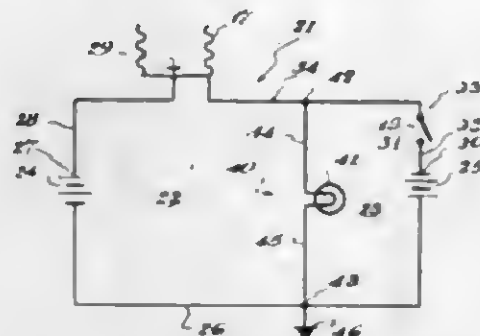
1. In a machine of the class described, a pair of folding cylinders mounted upon parallel axes,

means for rotating said cylinders in opposite directions, means for feeding tapes transversely across said cylinders, means for severing sections of said tapes, grippers on said cylinders for gripping said severed sections respectively, stabilizing means cooperating with said grippers to fold said severed sections to form handles, each comprising a grip portion and angularly disposed end portions, means for feeding preformed bags between said cylinders, means for attaching said end portion to opposite sides of a bag as it passes between said cylinders, and means for delivering the bag with attached handles from the machine.

2,625,863

TESTING DEVICE FOR FLASH CAMERAS

John Kirwin, Crystal Lake, Ill.
Application January 17, 1950, Serial No. 139,063
3 Claims. (Cl. 95-11.5)



1. In a device of the character described which comprises a camera having a series flash bulb operating circuit associated therewith including a battery, a socket, adapted to have a flash bulb therein, and a shutter-actuated switch, means enabling independent testing of the operation of the switch, the operability of a flash bulb, and the strength of the battery comprising an electrically operated indicating device of relatively high resistance compared to the resistance of the flash bulb, connected across the switch and substantially one half of the battery and thereby forming two testing circuits, one having half the battery and the switch in series with the indicating device, and the other having the other half of the battery and the socket in series with the said indicating device, said device comprising a low voltage lamp which will light either when the socket is empty and the switch is closed, or if the switch is open and a lamp is inserted into operative engagement with the socket, the latter condition resulting in a flow of current through the flash bulb insufficient to ignite the same.

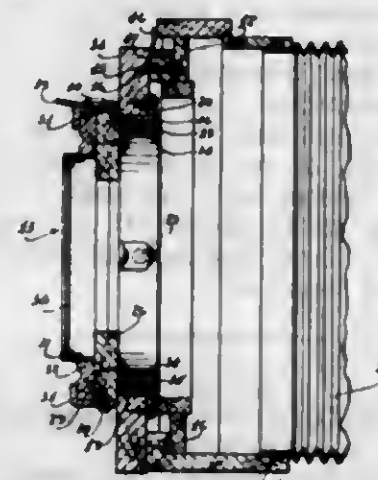
2,625,864

ROTATABLY ADJUSTABLE CAMERA BACK

Adolph Engelhardt, Bismarck, N. Dak.
Application February 21, 1951, Serial No. 212,176
1 Claim. (Cl. 95-48)

In combination with a camera box having an opened rear end, a camera back for closing said rear end, means for detachably connecting the camera back to the rear end of the camera box, said back including a fixed base having its inner side facing said camera box and provided with a central orifice, a moulding secured to the inner side of said base and enclosing said orifice, an annular bearing member connected to the inner side of said base and encircling said orifice, a revoluble carriage rearwardly of said base and having a central opening, a ring having an annular flange overlapping and in front of said base, said ring being revolubly mounted in said orifice so as to movably engage said annular

bearing member, means connecting said ring to the inner side of the carriage, the opening in the rear end of the camera box and the orifice in the base being each of such a size as not to obstruct the opening in said revoluble carriage regardless of the angular position of the latter, spaced parallel guide members connected to said carriage above and below said opening and adapted to slidably receive interchangeably a

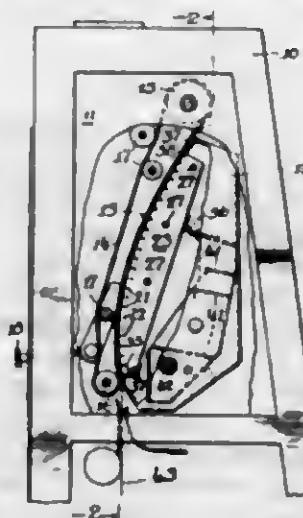


film holder and a ground glass screen, and a manually operable threaded bolt extending transversely through one side of the base and the bearing member so as releasably to engage the ring in order to maintain the carriage and holder in any rotatably adjusted position relative to the base so that pictures can be taken showing the subject in different angular relations relative to the opening in the carriage.

2,625,865

PRINT DEVELOPER

John Taini, Chicago, Ill., assignor to The C. F. Pease Company, Chicago, Ill., a corporation of Delaware
Application August 5, 1949, Serial No. 108,713
2 Claims. (Cl. 95-89)

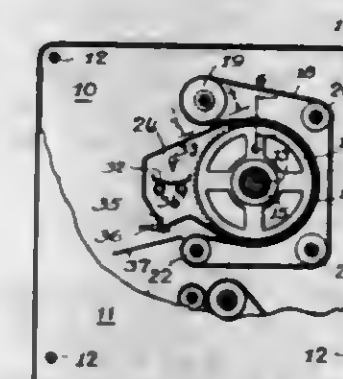


1. A print developer comprising means providing a chamber, one wall of which is provided with oppositely spaced side marginal portions defining an opening therebetween, a structurally independent guide wall disposed within said opening, a belt cooperating with said guide wall and said side marginal portions, means for driving said belt over the path provided by said guide wall, each of said side marginal portions being provided with a plurality of belt contacting portions, at least one of which is in the form of a corrugation extending in the direction of belt movement, said belt being wider than said guide wall and engaging the belt contacting portions of each of

2,625,866

PRINT DEVELOPER

David R. L. Cornwell and John Taini, Chicago, Ill., assignors to The C. F. Pease Company, Chicago, Ill., a corporation of Delaware
Application August 5, 1949, Serial No. 108,714
2 Claims. (Cl. 95-94)

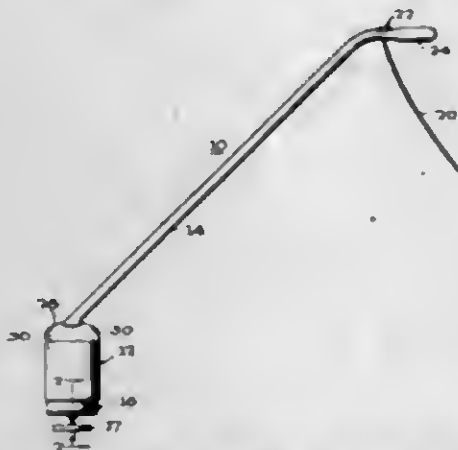


1. A print developer comprising a series of wheels disposed in axially spaced relationship, a belt passing around a substantial portion of the periphery of said wheels and cooperating with the same to define a print path so that the concave surface of a print which is advanced along said path will be exposed to the space between said wheels, means for releasing a gas into the space between said wheels so that the concave surface of said print can be subjected to the action of said gas, said wheels being provided with grooves, and helical springs disposed in said grooves to minimize the area of contact between said wheels and said print, said helical springs being in the form of tensioned loops whereby said springs are maintained in said grooves by their own tension.

2,625,867

PORTABLE WEEDER

William C. Hands, Jr., Rutherford, N. J.
Application March 28, 1949, Serial No. 83,845
1 Claim. (Cl. 97-43)

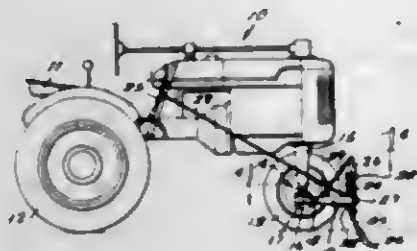


A hand-carried portable garden weeder comprising a high speed electric motor having a drive shaft projecting from one end thereof; an upright cylindrical housing receiving the motor, an end cover detachably secured to the housing at the end opposite the drive shaft; a supporting and manipulating handle integrally secured by one end to said end cover and extending upwardly and outwardly thereof at an obtuse angle to the drive shaft, the other end of said handle extending perpendicularly to the drive shaft; a gear box detachably secured to and closing the drive shaft end of the housing; a spaced pair of discs each having a shaft on one face extending into and supported for parallel rotation by the gear box; a gear train in the gear box connected between the motor drive shaft and the shafts of said discs constructed and arranged to drive said discs in opposite directions at the same speed, the shafts of the discs lying in a common plane extending perpendicularly to the plane of the handle, and the spaced pair of discs and the gear box being symmetrically disposed with reference to the plane of the handle; and pin teeth extending perpendicularly from the outer face of each disc at the respective marginal portions thereof, said pin teeth being angularly spaced and arranged to come into opposed weed gripping relation as the discs are driven, whereby weeds may be engaged and removed.

2,625,868

ROW CROP TYPE TRACTOR GUIDE

William T. Coles and Chester E. Wells,
Columbus, Nebr.
Application November 10, 1948, Serial No. 59,284
1 Claim. (Cl. 97-47)



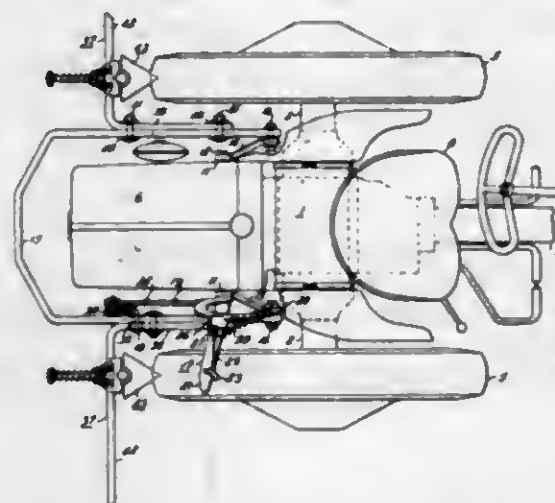
In a guide attachment for tractors, a plate adapted to be attached to the front axle of said tractor, an arm having one end secured to said plate, a pair of spaced parallel levers arranged in embracing relation with respect to said arm, a pin pivotally connecting one end of said levers

to said arm, manually-operable means embodying a cable operatively connected to said levers adjacent the front ends thereof for causing pivotal movement of the latter, a stop member extending between said levers for abutting the upper front end of said arm to limit downward pivotal movement of said levers, a rod having its lower end positioned between the front end of said levers and pivotally connected to the latter, a U-shaped frame provided with a pair of spaced parallel legs operatively connected to said rod, a ground-engaging shovel operatively connected to each of said legs, resilient means embodying a coil spring extending between said levers and said rod for urging said shovels into engagement with the ground, a casing arranged adjacent the front of said levers and secured to the bottom thereof, and a rotatable shaft arranged in said casing and abutting the legs of said frame and rigidly secured thereto.

2,625,869

REAR MOUNTED IMPLEMENT FOR TRACTORS

August G. Buhr, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 28, 1949, Serial No. 83,818
10 Claims. (Cl. 97-47)



6. In a tractor having a wide rear axle structure supported on a pair of traction means mounted on said axle structure adjacent opposite ends thereof, having damageable parts mounted thereon in rearwardly extending relation to said axle structure, said damageable parts being disposed between side opposed portions of said traction means and projecting beyond the rear thereof, the combination of an implement frame and bumper structure comprising a generally U-shaped part disposed between said traction means and supported on said tractor so as to encompass the rear and opposite sides of said damageable parts in proximate protective relation thereto, said U-shaped part being supported on said tractor through means affording vertical swinging movement of said U-shaped part about a transverse axis adjacent said axle structure, a pair of tool carrying bars independently mounted on opposite sides of said U-shaped part disposed to the rear of said traction means and projecting laterally therefrom, and means for vertically adjusting said U-shaped part to selectively position the tools on said bars in operative and nonoperative relation to the ground, said U-shaped part encompassing said damageable parts in proximate protective relation thereto throughout the range of said vertical adjustment.

2,625,870

ROOT RAKE SHOE

Thomas W. Peacock and George W. Peacock, Sr., Jacksonville, Fla., assignors, by direct and mesne assignments, to Florida Land Clearing Equipment Company, Jacksonville, Fla., a corporation of Florida
Application November 7, 1947, Serial No. 784,576
3 Claims. (Cl. 97-198)

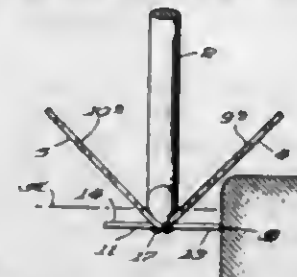


1. A root rake comprising a tooth having a rib on its inner surface extending lengthwise thereof, a shoe having a socket for the reception of the lower portions of said tooth and rib, parallel plates connected to said shoe and extending from said socket beneath said tooth and disposed along and in engagement with the sides of said rib, a web connecting said plates together and disposed along the outer edge of said rib, said parallel plates and web forming a channel providing a snug engagement with said rib, and means for securing said plates to said rib and wings extending laterally from the sides of said shoe.

2,625,871

LAWN EDGE TRIMMER AND CULTIVATOR

William M. Miller, North Hollywood, Calif.
Application August 21, 1950, Serial No. 180,523
5 Claims. (Cl. 97-227)



5. A lawn trimmer comprising a scoop-shaped head mounted on the end of a handle at an acute angle relative to the longitudinal axis thereof, said head consisting of plates symmetrically extending outwardly and upwardly from the center line thereof to form the shares of the trimmer, the front edges of the shares being cut back downwardly and rearwardly from the upper front corners thereof a distance nearly to the bottom of the trimmer, the front edges of the shares being forwardly and downwardly tapered from the lower end of said cut-back to form a pointed tip, and a heel plate mounted on the bottom of the handle directly behind and in continued alignment with the bottom of the trimmer.

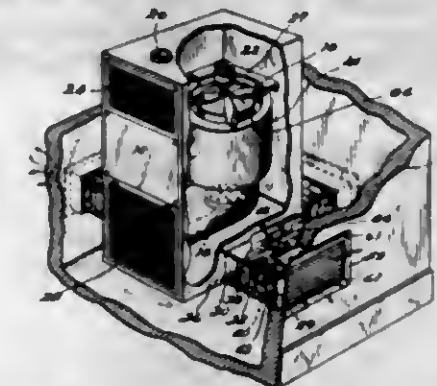
2,625,872

AIR CIRCULATING UNIT

Rogers Follansbee, Evanston, and Edward F. Ford, Chicago, Ill., assignors, by mesne assignments, to Rogers Follansbee, Evanston, Ill.
Application December 2, 1947, Serial No. 789,364
2 Claims. (Cl. 98-33)

1. In a ventilating system for a building having walls defining a restricted enclosure and an air-circulating unit within said enclosure, the

walls of the circulating unit being spaced from those of the enclosure, the improvement that comprises a thrust-receiving surface defining an opening in the enclosure wall, a thrust-receiving surface defining an opening in a wall of the circulating unit, said surfaces being spaced apart but lying in substantially parallel planes with

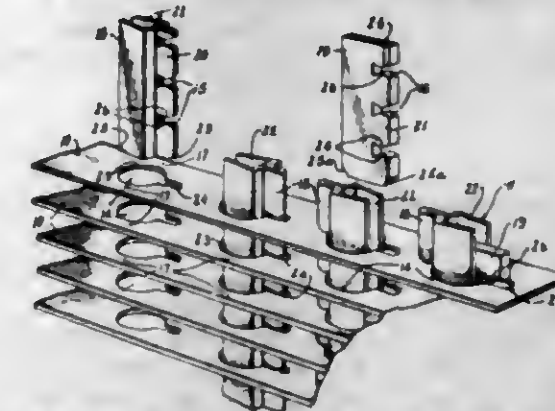


the openings defined thereby substantially in axial alignment, and a resilient duct open at both ends, said duct being axially compressed between said surfaces with its ends bearing thereon to define a conduit between said openings, said duct in repose being longer than the distance between said surfaces and being compressible to a length shorter than said distance.

2,625,873

GRILLE

Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 5, 1950, Serial No. 177,934
14 Claims. (Cl. 98-40)



1. A grille comprising a plurality of parallel strips having aligned holes forming lands at opposite edges of the strips, and vanes inserted through the aligned holes and each vane comprising two sections, means for connecting said sections so as to be relatively shiftable longitudinally and having notches spaced along each edge portion and receiving the lands when the vanes are disposed in perpendicular relation to the face of the grille, said notches on at least one edge portion of each vane having a relatively narrow central portion providing opposed bearing surfaces, and the edges of the notches diverging from said central bearing portion in opposite directions transversely of the grille.

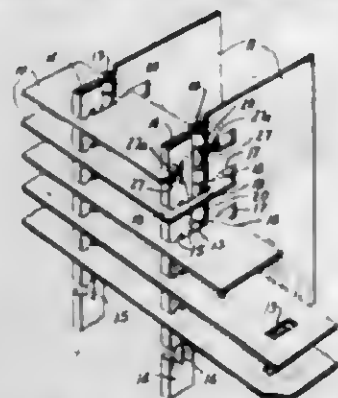
2,625,874

GRILLE

Walter W. Kennedy, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 20, 1946, Serial No. 698,101
10 Claims. (Cl. 98-40)

1. A grille comprising a frame having an inwardly opening channel, a set of relatively narrow

parallel vanes mounted in said frame for rotative adjustment and having aligned holes forming lands at opposite edges of the vanes, the ends of said vanes being received in the inwardly opening channel, a set of relatively wide fins substantially perpendicular to said set of vanes projecting outwardly from said frame, said fins having a series of notches adapted to receive the lands at one edge of the vanes, said notches being shaped to permit adjustment of the vanes, an elongated bar



extending through said holes having a series of notches adapted to receive the lands at the opposite edges of said vanes, the notches on said bar being shaped to permit adjustment of the vanes as said bar is moved bodily back and forth through the holes to adjust the vanes, a rod extending through said holes, and a series of bearings on the fins intermediate the notches adapted to encircle said rod thereby permitting the fins to be swung laterally about said rod.

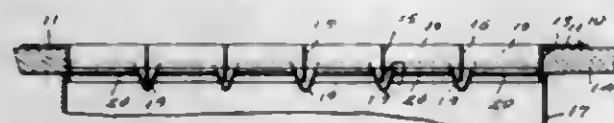
2,625,875

THERMAL SHIELDED GRILL

Joe F. Tatum, Hattiesburg, Miss.

Application October 23, 1950, Serial No. 191,699

2 Claims. (Cl. 98—101)



1. A grill for hot air ducts comprising a rectangular frame, crossed grill bars fixed in said frame, nuts affixed at spaced intervals to the undersides of said grill bars, and baffle means secured to said bars, said baffle means being formed of crossed channel-shaped members having spaced openings therein aligned with said nuts, and means supporting said members in spaced relation below said bars, said means comprising bushings of insulating material seated in said spaced openings in said channel-shaped members, said bushings having bores there-through and bolts extending through said bores engaging said nuts.

2,625,876

MEAT-SHAPING APPARATUS

Chester A. Hammerberg, Des Plaines, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

Application May 12, 1947, Serial No. 747,359

3 Claims. (Cl. 100—57)

1. Meat-shaping apparatus comprising a tubular mold provided with an apertured bottom and in its top with a laterally-extending flange, a plate below the bottom of said mold, a pin carried by said plate and extending through the aperture of said bottom and through said mold, a plate within said mold and apertured to receive said

pin, and a clamp member having latch means engaging said flange for exerting pressure upon the



contents of said mold and being apertured to receive said pin.

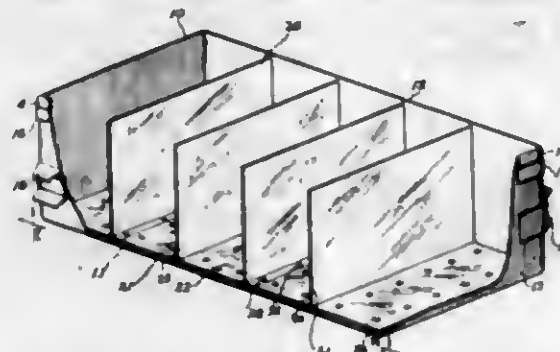
2,625,877

DIVIDER FOR CHEESE MOLDS

Marvin F. Pullen, Portland, Oreg.

Application October 23, 1951, Serial No. 252,591

3 Claims. (Cl. 100—225)



3. A divider insert for a cheese mold of the class described, said insert including a substantially flat base portion having upper and lower surfaces and a plurality of flat, upstanding, divider plates secured to said upper surface of said base portion, said base portion being adapted to fit closely within said mold and having a plurality of parallel, transversely extending narrow strips offset the thickness of said plates whereby channels are formed in the upper surface of said base portion and ribs are formed on the lower surface of said base portion, each of said divider plates having an end portion extending at right angles to the general plane of the plate, said end portion being of a width equal to the width of said channel, said plates being secured to said base with said end portion of one of said plates inserted in a corresponding one of said channels, and means securing said plate end portions to said base portion.

2,625,878

ROLLER ADJUSTING MECHANISM FOR ROTARY PRINTING PRESSES

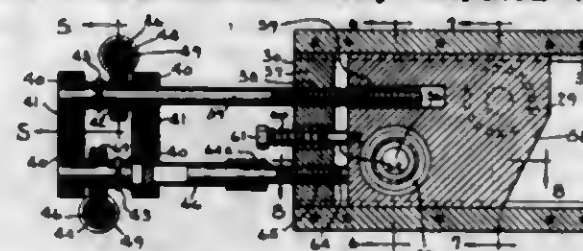
John R. Baumgartner, Milwaukee, Wis.

Application December 28, 1950, Serial No. 202,710

3 Claims. (Cl. 101—247)

1. In a printing press, the combination with a frame, a plate cylinder journaled in the frame, and a roll cooperating with said plate cylinder, bearing blocks for the ends of said roll slidably mounted relative to the plate cylinder, and means for adjusting the shaft ends of said roll either individually or together comprising a feed screw

operatively connected to each of said bearing blocks, a manually adjustable shaft having a geared connection with one of said feed screws, a manually adjustable shaft having a geared connection with the other of said feed screws, said shafts being concentrically disposed with one



shaft extending through a bore of the other shaft, said shafts having adjacently disposed hand wheel extensions at the same side of the frame for individually turning each of said shafts, and means for locking both of said hand wheels together for simultaneously turning said shafts by either hand wheel or both hand wheels.

2,625,879

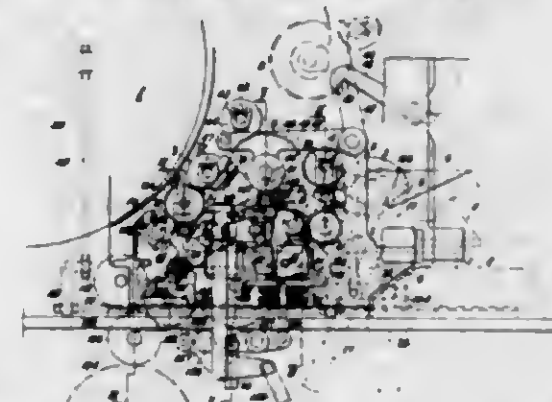
INKING MECHANISM FOR PRINTING MACHINES

Fred Spence, Sale, England, assignor to Linotype and Machinery Limited, London, England, a company of Great Britain

Application March 21, 1947, Serial No. 736,248

In Great Britain March 26, 1946

8 Claims. (Cl. 101—356)



5. In inking mechanism for printing machines, the combination with a forme-carrying bed, forme-inking rollers relatively to which the forme-carrying bed is reciprocated and an ink fountain roller, of an inking drum continuously rotating in one direction from which ink from the fountain roller is transferred to the forme-inking rollers, a ductor roller mounted for movement alternately into direct contact with the ink fountain roller and into direct contact with the inking drum for transferring ink from the fountain roller to the inking drum, mechanism for effecting such movement of the ductor roller, and a driven starter roller arranged for direct contact with the ductor roller during its passage from the ink fountain roller to the inking drum and adapted by such contact to effect preliminary distribution of ink on the ductor roller during its passage from the fountain roller to the inking drum and to drive the ductor roller at the same surface speed as the inking drum at the time of contact therewith.

2,625,880

BOMB CLUSTER ADAPTER

George F. Brown, Shelburne Falls, Mass.

Application September 20, 1949, Serial No. 118,661

5 Claims. (Cl. 102—7.2)

(Granted under Title 35, U. S. Code (1952), sec. 268)

5. In a bomb cluster adapter mechanism, a spring biased firing pin for detonating a car-

tridge, a piston moved by the detonation of said cartridge to release said bombs, means for sustaining a plurality of bombs in a cluster consisting of an encompassing band having terminal pins, turnable means situated between the



pins and having outwardly extending means to obstruct the pins and so hold the band tight, and latch means confronting said piston and temporarily engaging at least one of the outwardly extending means.

2,625,881

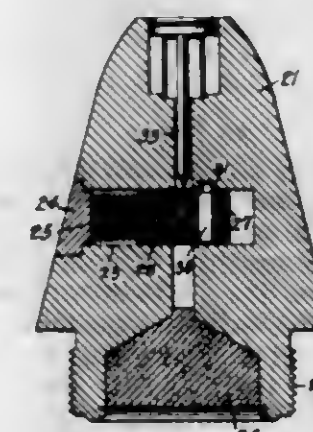
DOUBLE ELEMENT SETBACK LOCK

Jacob Rabinow, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army

Application August 3, 1949, Serial No. 108,381

1 Claim. (Cl. 102—78)

(Granted under Title 35, U. S. Code (1952), sec. 266)



The combination with a fuse for ordnance missiles of means forming an axial bore in said fuse, a firing pin positioned within said bore, means forming a transverse bore within said fuse, a plastic element slidable within said transverse bore and adapted to accommodate a detonator, resilient means adapted to bias said plastic element into normal armed position to align said firing pin with said detonator, means forming a longitudinal bore in said plastic element, safety set back release mechanism within said latter bore to compress said resilient means for latching said plastic element into unarmed position, said safety set back release mechanism comprising, a first cylinder stationary within said latter bore, a second cylinder slidable within said first cylinder and spring biased forwardly to extend in a forward direction a substantial distance from the forward end of said first cylinder, means to latch said first and second cylinders together to prevent axial movement, a third cylindrical weight slidable within said second cylinder and spring biased in a forward direction to place the forward end of said weight in substantial alignment with the forward end of said second cylinder, slot means in said fuse for accommodating the forwardly extending portions of said second cylinder and said weight, said weight being constructed and arranged upon sustained set back to release said means latching said first and second cylinders whereby said second cylinder is forced rearwardly and out of said slot means by sustained

set back due to launching acceleration to release said plastic element and to enable said resilient means to move said element into armed position.

2,625,882

PUMPING MECHANISM

James E. Davis, Abilene, and Arthur Sandhofer, Cisco, Tex.; Rena Sandhofer administratrix of said Arthur Sandhofer, deceased
Application January 13, 1945, Serial No. 572,614
21 Claims. (Cl. 103-4)



1. A mechanism for simultaneously producing well fluids from two formations within a well bore including, a conductor depending within a well bore and extending through an upper producing formation to a lower producing formation, a well packer within the well bore between the formations and surrounding the conductor for sealing off said formations from each other, means establishing communication between the lower portion of the conductor and the lower formation and permitting the accumulation of the well fluids thereof within said conductor, reciprocal pump means disposed within the conductor for simultaneously lifting the well fluids of said formations, a tubular rod depending within said conductor and having connection with the pump means for reciprocating the same, means for sealing off between the rod and conductor, said rod and conductor having a chamber formed therebetween for receiving the well fluids of the upper formation, and an inlet for admitting the latter well fluids to the chamber, the lower end of the rod communicating with the lower portion of the conductor for receiving the well fluids of the lower formation, the upper formation fluids within said chamber and the lower formation fluids within the lower portion of said conductor being exposed to the pump means so as to be simultaneously and separately lifted upon reciprocation of said pump means.

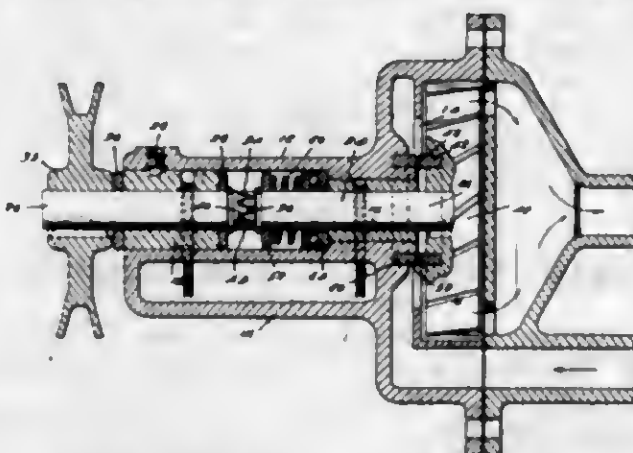
2,625,883

CENTRIFUGAL PUMP DRIVE AND SEAL MEANS

Walter M. Howser, Indianapolis, Ind.; Julia M. Howser administratrix of said Walter M. Howser, deceased
Application January 25, 1951, Serial No. 207,684
2 Claims. (Cl. 103-87)

1. In a universal driving shaft for rotary pumps and the like, a casing having a fluid inlet and outlet, an elongated extension projecting from

one side of said casing and having a bore extending longitudinally therethrough and opening into said casing, sleeve bearings fitted within the opposite ends of said bore, a shaft section extending through one of said bearings and projecting into said casing, an impeller mounted on the shaft end within said casing, a second shaft section extending through the other of said bearings, interengaged teeth formed on the adjacent ends of said shaft sections, the teeth on said second shaft section having their free ends tapered, a pulley mounted on the outer end of said second shaft section, the portion of said bore in which the inner of said bearings is fitted being of a somewhat lesser diameter than that

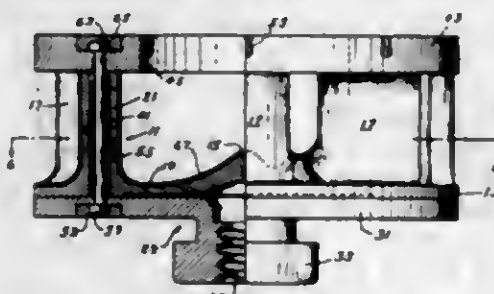


of the remainder of the bore length to provide an annular shoulder in the plane of the inner end of that bearing, an antifriction bearing mounted on the first shaft section in abutted relation with respect to said shoulder, a collar mounted on the inner end of the first shaft section, cooperative seal rings carried by said casing and said impeller in concentric relation with respect to the first shaft section, and a coil spring on the first shaft section between said antifriction bearing and said collar to maintain said teeth and said seal rings in cooperative engagement irrespective of any non-alignment of said shaft sections due to wear of said sleeve bearings occasioned by belt strain on said pulley.

2,625,884

IMPELLER

William H. Welsh, New York, N. Y.
Application February 23, 1949, Serial No. 77,971
5 Claims. (Cl. 103-114)
(Granted under Title 35, U. S. Code (1952), sec. 266)



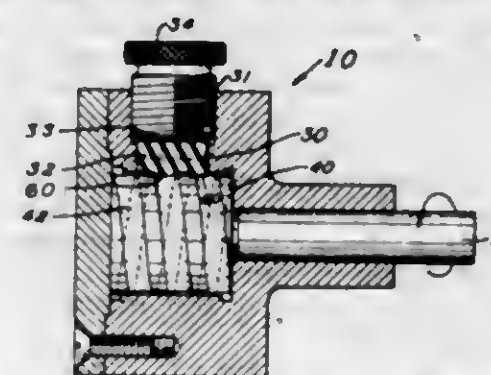
1. A pump impeller comprising a vane section constructed of a material having relatively high resistance to wear and erosion, said vane section having a plurality of vane portions radiating arcuately from a central boss and having cores of elongated cross-section extending through selected vane portions, an engine-side shroud-plate seated on a face of said vane section, said engine-side shroud-plate having a threaded bore in a hub thereof whereby said shroud plate can be mounted on a drive shaft, a suction-side shroud-plate seated on the end faces of said vane

portions, said suction-side shroud-plate having an inlet opening, a plurality of studs extending through each of said cores and securing said shroud plates to said vane section, and a filler material deposited and set in said cores.

2,625,885

INK PUMP

Harold J. Mumma, Riverside, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application March 4, 1948, Serial No. 13,042
3 Claims. (Cl. 103-122)

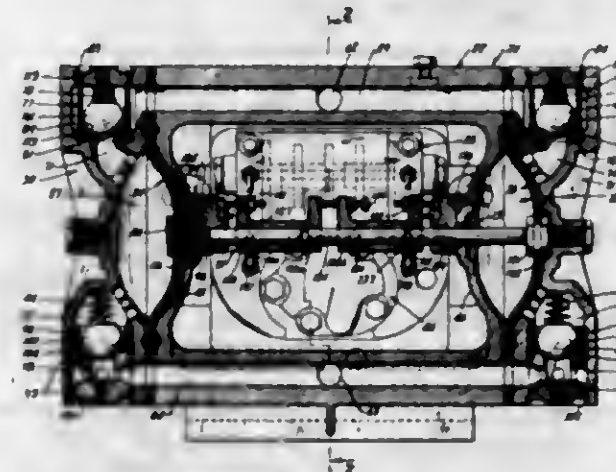


1. In a pump the combination of: a body providing a cylindrical chamber having spaced inlet and outlet openings and having a hole extending radially therefrom; a cylindrical rotor closely fitting said chamber and rotatably mounted therein; and a squeegee member of soft resilient rubber like material pressurably confined within said hole to expansively engage in fluid tight relation the peripheral surface of said rotor, there being a shallow helical groove formed in said surface and extending entirely around said rotor so that two turns of said groove simultaneously underlie said squeegee, said groove having an arcuate cross section permitting said squeegee to extend into said groove to form a fluid tight dam in each turn of said groove underlying said squeegee, and permitting the locations of said dams to shift axially while said dams continue to dam said groove as said rotor rotates in said chamber, due to the resilient flow of the material of said squeegee and without bodily movement of the latter.

2,625,886

PUMP

Lindsay H. Browne, Weston, Conn., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Application August 21, 1947, Serial No. 769,883
9 Claims. (Cl. 103-150)



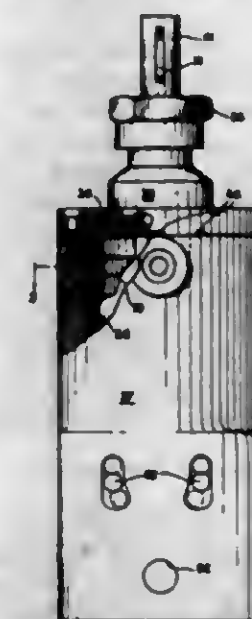
1. A pump comprising a housing having two chambers formed therein, two membranes, each of said membranes mounted in a corresponding

one of said chambers and extending thereacross, said membranes being distensible in two directions in said chambers, means including a reservoir and a fluid pump for feeding working fluid into said chambers against said membranes to thereby distend said membranes therein, means connected to said chambers for passing liquid into and out of said chambers upon movement of said membranes, valve means for controlling the feeding of said working fluid from said fluid pump to said chambers, and means connected between said membranes for selectively controlling said valve means to thereby effect feeding of working fluid from said fluid pump alternately to one and then the other of said chambers, said last named means including a portion of said housing having two pairs of passageways therein, one of said passageways in each of said pairs being connected to a corresponding one of said chambers and opening into said reservoir for feeding fluid from said chamber to said reservoir, and the other of said passageways in each of said pairs being connected to a corresponding one of said chambers and to said valve means for feeding fluid from said chamber to said valve means, and a slide rod mounted in said portion of said housing and connected to said membranes for movement therewith for selectively opening and closing all of said passageways to thereby control the flow of fluid through all of said passageways from said chambers to said reservoir and said valve means.

2,625,887

VARIABLE STROKE MULTIPISTON PUMP
Richard E. Anderson, Portland, Oreg., assignor, by mesne assignments, to Frank H. Reeves, Portland, Oreg.

Application December 24, 1948, Serial No. 67,099
4 Claims. (Cl. 103-162)



1. A reversible, multi-piston pressure pump for liquids, comprising: a power driven rotor; a plurality of pistons reciprocally mounted parallel to the axis of the rotor and in a circle concentric with said axis; each of said pistons having a working piston portion and a guiding portion of increased diameter terminating in a central bearing point; a bearing plate adapted to engage said bearing points of said pistons; adjustable supporting means for said plate having a supporting shaft therefor; two crank units secured to said shaft, having pin openings, and pins in said openings, equidistant on opposite sides of the shaft and with corresponding openings in each crank unit axially aligned; pin securing bosses on each end of said bearing plate

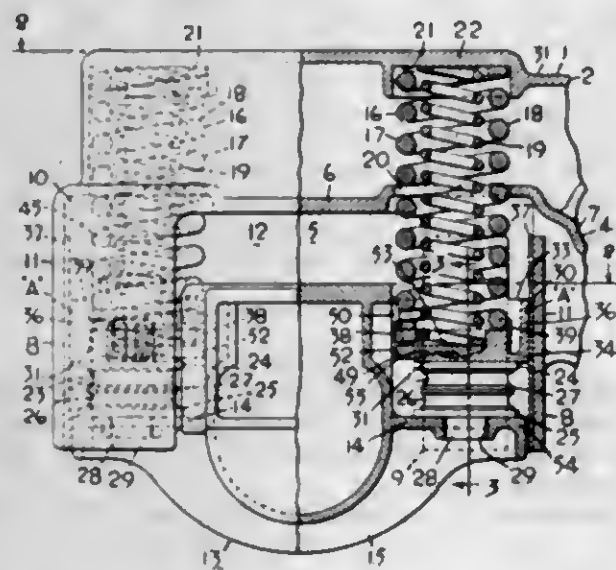
and pins positioned in said bosses with the axes of the pins spaced from the working surface of said bearing plate in the direction of said pistons and spaced apart a greater distance than the pins carried by said crank units; pairs of links connecting the crank unit pins and the pins of said bosses; said supporting means being adapted to tilt said bearing plate transversely of said shaft and means forming inlet and outlet passageways communicating, on opposite sides, with that portion of said rotor in which the working portions of said pistons travel.

2,625,888

RAILWAY TRUCK

Emil H. Blattner and Glenn F. Couch, Rochester, N. Y., assignors to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland

Application September 20, 1945, Serial No. 617,653
30 Claims. (Cl. 105-224)



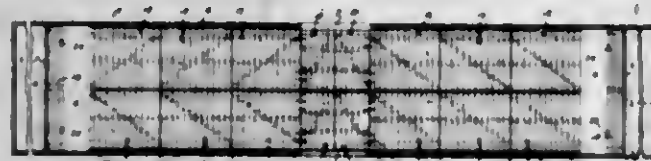
1. In a railway car truck wherein a side frame and a load carrying member are arranged for relative vertical and transverse movements, the combination of, load carrying spring means disposed between said side frame and load carrying member for permitting said vertical movement, means associated with said load carrying member for allowing said transverse movement, and a nest of friction means between and arranged to frictionally engage said side frame and load carrying means for controlling both of said movements; said nest of friction means being expandable longitudinally and transversely of said truck.

2,625,889

FLOOR RACK FOR REFRIGERATOR CARS

William H. Keleher, Chicago, Ill.

Application March 27, 1950, Serial No. 152,197
14 Claims. (Cl. 105-375)



8. In a false floor or rack for refrigerator cars, a refrigerator car having a floor, end walls, side walls, a doorway in each side wall, air conditioning bunkers adjacent the end walls and circulating fan housings arranged adjacent the bunkers in spaced relation thereto and communicating therewith, stringers extending longitudinally of

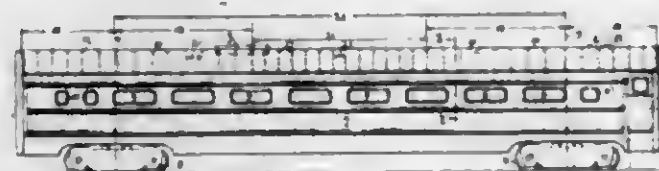
the car between the fan housings and opposite sides of the doorways and in spaced relation to each other transversely of the car, said stringers being fixed to the car floor and spaced from each other transversely of the car to form intervening air circulating channels, a plurality of foraminous main racks formed independent of the stringers and arranged at each side of the longitudinal center of the car on opposite sides of the space between the doorways and the fan housings, said main racks being hinged to the respective side walls to swing upwardly or downwardly with relation thereto and to the stringers and to rest on the latter in lading supporting position, hinged racks at the ends of the car mounted to swing downwardly or upwardly to cover and uncover the floor spaces between the bunkers and fan housings, and racks arranged to cover the space between the doorways, said doorway racks being disposed on each side of the center of said space and each doorway rack being hinged to the adjacent main rack at the same side of the doorway space to swing upwardly and downwardly with and into and out of parallel relation with the main rack in the upward and downward movements of the latter.

2,625,890

ROOF CONSTRUCTION FOR PASSENGER-TYPE RAILWAY CARS

Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 13, 1949, Serial No. 87,144
8 Claims. (Cl. 105-401)



1. In a body for railway cars of the passenger-train type, a roof and side walls forming main load supporting and stress transmitting elements, said side walls being free of strength reducing features such as side entrance openings between the wheel supported end regions of the body, said roof comprising longitudinally spaced transverse carlines and a thin-gauge sheet metal skin secured to the carlines, the spacing of the carlines in the regions adjoining in inboard direction the wheel supported regions being greater than in the longitudinal center region of the body so as to reduce the tendency of the roof skin to develop waves in said center region.

2,625,891

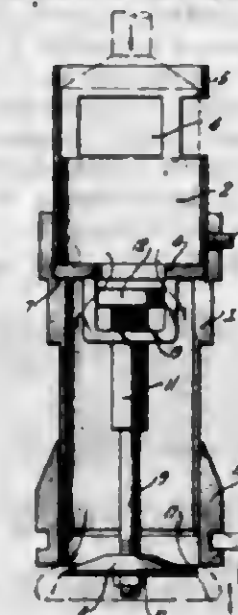
DOUGHNUT CUTTER AND FORMER

Edward H. Nagel, Long Beach, Calif., assignor to Coma F. Norris, Long Beach, Calif.

Application April 2, 1949, Serial No. 85,128
9 Claims. (Cl. 107-14)

1. A doughnut dough dispenser comprising a cylinder, said cylinder including a coaxial sleeve portion at its upper end, said sleeve portion having intake ports formed adjacent its upper end through which dough is adapted to move, a piston reciprocally mounted in the cylinder, said piston being movable over said ports, cutter means on the lower end of said cylinder, a transverse wall in said cylinder below the piston, said wall having a hole extending therethrough, a valve block

mounted for vertical movement relative to said hole, said valve block being adapted to incom-



pletely close the hole in one position of the valve block.

2,625,892

PIE AND LIKE MOLDING MACHINE

Wilfred Hanson Elvis, Birmingham, England, assignor, by mesne assignments, to Concentric Manufacturing Co. Limited, Birmingham, England

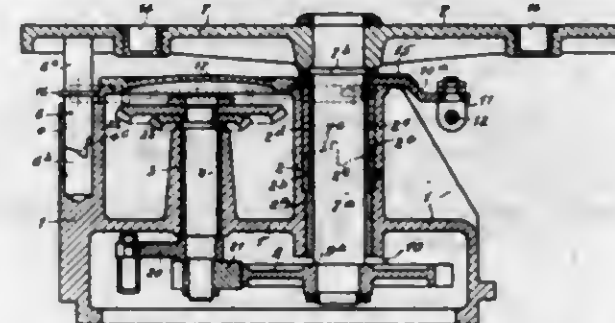
Application August 1, 1947, Serial No. 765,365

In Great Britain March 22, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires March 22, 1966

2 Claims. (Cl. 107-15)



1. In a pastry moulding machine of the kind described: a supporting frame; a vertical tubular bearing within the frame; a shaft supported by the bearing and having fixed to its upper end a pastry moulding table top to rotate with the shaft; means for intermittently rotating said shaft and table top; a fixed tubular collet and a revoluble tubular member arranged one above the other concentrically between the bearing and shaft to support the shaft and table top vertically within the bearing, said collet and member having co-acting spiral cam surfaces on their abutting ends; and manually operable adjusting means on the frame operatively connected to said tubular member to revolve the tubular member relative to the fixed collet to raise or lower the table top by the operation of the spiral cam surfaces while said table top is either revolved or at rest, said means also operable to hold in fixed relation the adjusted position of the shaft and the table top.

2,625,893

METHOD OF MAKING PASTRY

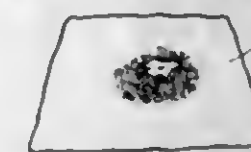
Mildred P. Semple, Quincy, Mass.

Application February 16, 1952, Serial No. 271,912

2 Claims. (Cl. 107-54)

1. The manipulative method of making pastry dough comprising placing of a plurality of in-

redients on a sheet of material, gathering the outer portions of said sheet together to form an enclosure with an air space within it above said ingredients, squeezing said enclosure lightly to thereby mix said ingredients along with air, lay-



ing said sheet out flatwise, adding a liquid to and mixing it into the mixture so made, again gathering the outer portions of said sheet to form an enclosure, then squeezing said enclosure lightly, and then pressing it hard enough to cause parts of said mixture to adhere together.

2,625,894

VERTICAL COMBUSTION ACCELERATING GRATE

Fred M. Poor, Seattle, Wash.; Carrie Elsie Poor executrix of said Fred M. Poor, deceased

Application January 24, 1946, Serial No. 643,132
1 Claim. (Cl. 110-75)



In combination, a structure having a combustion chamber defined by a vertical wall and a bottom, a vertical combustion accelerating grate comprising a hollow body positioned above said bottom and bearing against said side wall, and which body is of gradually diminishing cross section towards the top thereof, said body having a curved exposed surface formed with a series of overhanging ledges with a relatively large opening beneath each of said ledges, a flange integrally joined to the lower end of said body over a distance corresponding to said curved front surface leaving an open back, a sheet of metal secured to said flange, said flange and sheet of metal being imbedded in said bottom, and a conduit communicating with said open back for supplying air to said grate at the bottom thereof.

2,625,895

PRESSER LIFTING MECHANISM FOR SEWING MACHINES

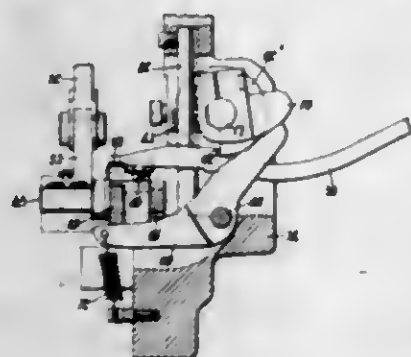
Frederick F. Zeler, Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 30, 1951, Serial No. 259,260

5 Claims. (Cl. 112-237)

1. The combination in a sewing machine having a frame including a work-support, a reciprocatory presser-foot carrying bar, a lifting lever movably supported on said frame, operative connections between said lifting lever and said

presser-foot carrying bar, spring means for biasing said presser-foot carrying bar toward said work-support, a second lever pivotally mounted on said frame and having one end underlying said lifting lever, a cam rotatably supported on



said frame and disposed to engage the other end of said second lever, and manually actuated connections associated with said cam for turning the same to raise the presser-foot carrying bar against the action of said spring means.

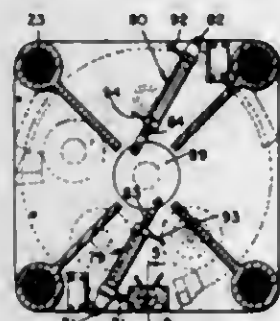
2,625,896

ROTARY PROGRESSIVE DIE FOR PRESSES

Otto Immenroth, Alhambra, Calif.

Application March 15, 1948, Serial No. 14,863

2 Claims. (Cl. 113-43)



1. A rotary multiple stage drawing die mechanism for presses, comprising, in combination with a press having a press bolster and a press platen movable toward and away from each other, a rotary platen mounted closely adjacent said press platen, a plurality of forming die elements mounted in a circular arc on said press bolster, a plurality of similarly spaced cooperating die elements mounted similarly on said rotary platen, said rotary platen having a normal position and a rotatably advanced position, said die elements on the rotary platen each comprising a cylinder, a work piece ejecting piston in the cylinder, a forming ring on the end of the cylinder, a work retaining ring projecting inwardly of the cylinder wall and forming ring wall and positioned between the cylinder and forming ring, said work retaining ring being adapted to retain a formed work piece and act as a stop for said piston, and means for introducing a supply of compressed air to each of said ejecting pistons at the advanced position of said rotary platen.

2,625,897

APPARATUS FOR UNITING A PLURALITY OF METAL PARTS BY MELTING METAL

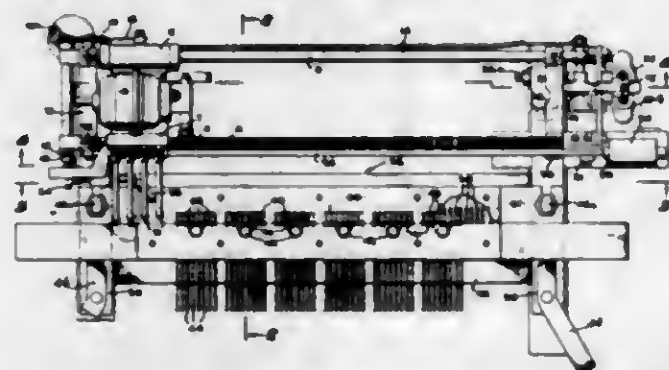
Ralph C. Mann, Van Nuys, and Richard A. MacDonald, Gardena, Calif.; said MacDonald assignor to said Mann

Application September 25, 1948, Serial No. 51,218

6 Claims. (Cl. 113-59)

1. A lead burning apparatus for melting lead in a series of connecting molds and uniting said lead to battery plates, which includes a carriage,

a frame including a member along which said carriage is horizontally movable and to which said carriage is pivoted, a rack mounted by said frame parallel to said member, a motor mounted on said carriage connected to a pinion engaging said rack on pivoting of said carriage for horizontally moving said carriage, gas nozzles mounted on said carriage in position for operation on said molds during movement of said carriage, gas supply means connected to said nozzles, including a valve, a control bar mounted by said



frame parallel to the path of said carriage and movable into contact with said carriage for pivoting said pinion to and from contact with said rack, a switch for said motor operated on the movement of said control bar to permit said pinion to engage said rack, said control bar having projections to actuate said switch, and means to move said control bar including an operating member for said control bar, said operating member being connected to said valve for opening said valve on the movement of the control bar by said operating member.

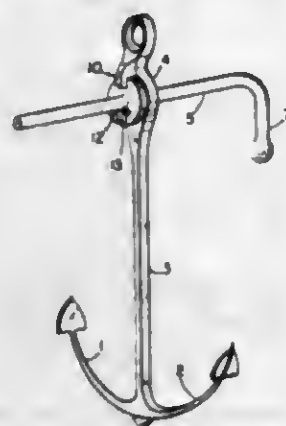
2,625,898

ANCHOR

Frank W. Southard, Freeport, N. Y., assignor to Southard Enterprises Inc., Bellmore, N. Y., a corporation of New York

Application September 19, 1950, Serial No. 185,559

2 Claims. (Cl. 114-207)



1. An improved anchor of the type having a shank with a head thereon, a hole in the head, and a stock which is slidable and rotatable in the hole which comprises a lug integral with the head with an end-portion spaced from the head leaving a recess between the lug and head, a collar on the stock having a slot which, when the lug and slot are in coincident relation, permits the collar to slide over the lug end-portion and enter the recess, whereby turning the stock sets the collar in a secured position between the head and lug in the recess preventing sliding movement of the stock in its operative position from which the stock may be removed by turning the stock to bring the lug and slot into coincident relation and sliding the stock to its inoperative folded position.

2,625,899

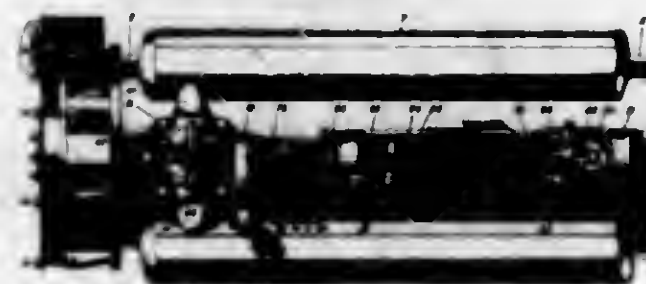
TORPEDO LAUNCHING DEVICE

Stuart C. Miller, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy

Application February 24, 1945, Serial No. 579,641

6 Claims. (Cl. 114-238)

(Granted under Title 35, U. S. Code (1952), sec. 266)



1. A torpedo launching device having a tube from which a torpedo is adapted to be ejected, a single source of fluid under pressure communicable through an opening with the tube for the ejection of a torpedo contained thereby, torpedo stop means on the tube engaging the torpedo to initially prevent ejection of said torpedo; in combination, a firing valve connected to and operable by pressure fluid from said source, normally closing said opening by pressure from fluid leakage from said source past the firing valve, which valve when closed preventing communication of said source with the tube, a conduit, a primary vent valve interposed between one terminal of the conduit and the firing valve for venting the leakage pressure fluid above the firing valve into the conduit, and a secondary vent valve, said secondary vent valve being operatively connected to the other terminal of the conduit, said secondary vent valve being connected to the stop means and being actuable by said leakage pressure as vented at said secondary vent valve to disengage the stop means from the torpedo, the resulting pressure drop in the conduit enabling the firing valve to yield to source pressure for uninhibited escape through said opening.

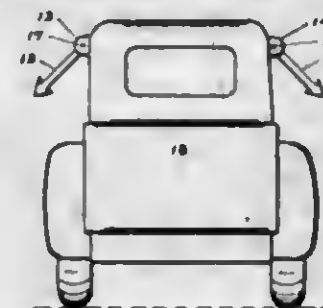
2,625,900

AUTOMOBILE TRUCK DIRECTION INDICATOR

Karl B. Glass, Paso Robles, Calif.

Application July 23, 1949, Serial No. 106,418

1 Claim. (Cl. 116-52)



A directional signalling device for automotive vehicles, comprising a bracket fixed to the right wall of the vehicle on the outer surface thereof and a second bracket fixed to the left wall of the vehicle on the outer surface thereof, a signalling arm pivotally secured to each bracket, a manually operative mechanism for controlling each signalling arm, said mechanism embodying in its construction a channel shaped bracket capable of being positioned within the cab of the vehicle and fixed to a wall thereof, two levers spaced one from the other and pivotally secured to the said

channel bracket, a pair of cables one of which is connected to the free end portion of each of the said levers and leads therefrom and is connected to one of the signalling arms, a cam provided on each lever, a handle pivotally secured to each lever, and an oscillative cylindrical member mounted on said handle and adapted to engage the cam portions on each lever, whereby the outer end portions of the levers are moved different distances apart for operating the signalling arms when rotary movement is imparted to the handle, and a plurality of stop members carried by the plate for limiting the movement of the levers to define the different respective positions of the signalling arms.

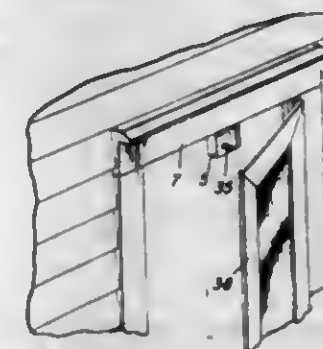
2,625,901

BURGLAR ALARM

Walter W. Flugrath, New Braunfels, Tex.

Application September 12, 1949, Serial No. 115,200

1 Claim. (Cl. 116-91)



A closure alarm comprising a spring motor, a bell, a bell clapper pivotally mounted for oscillation to ring the bell, an escapement mechanism operative in conjunction with said motor to oscillate the clapper and including a toothed escapement wheel, an escapement wheel lock comprising a slidably mounted bar movable into unlocking position, a spring projected slidably mounted member held in retracted position by said closure and released for projection by opening of the closure, and means operatively connecting said member to said bar for moving said bar into unlocking position during projection of said member, said member being movable into retracted position by closing of said closure so that the closure may be closed while said bar is in unlocking position, said means comprising a rod on said bar, and a rod on said member for engagement with one side of the first named rod.

2,625,902

FIRE AND BURGLAR ALARM

Harold C. Sorensen, Manitowoc, Wis.

Application July 17, 1950, Serial No. 174,215

3 Claims. (Cl. 116-106)



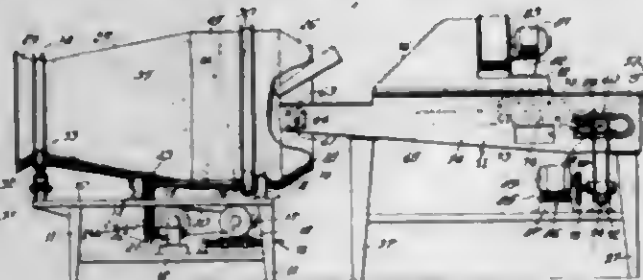
1. An alarm comprising a base, a spring actuated escapement wheel mounted on said base, a

pallet engaging said wheel, a hammer operatively connected to said pallet for oscillatory movement in response to rotation of said wheel, a bell disposed in the path of movement of said hammer, a resilient arm having one end thereof fixedly attached to said base, a pin projecting laterally of said arm adjacent the free end thereof, said arm being movable in a plane transverse the plane of movement of said hammer and yieldingly urging said pin out of engagement with said hammer, and means including a fusible body opposing movement of said arm and retaining said pin in engagement with said hammer.

2,625,903

SUGAR SANDING MACHINE FOR CONFECTIONS AND THE LIKE

John Ople, Riverside, Ill.

Application November 22, 1950, Serial No. 196,966
4 Claims. (Cl. 118-19)

1. A sugar sanding machine for confections having a supporting frame; a pair of drivable parallel shafts journaled in said frame; pulleys on said shafts in alignment with each other; a second pair of aligned pulleys supported on the opposite end of said frame; a horizontally extending open ended hopper, having an intermediate cylindrical chamber and an adjacent frusto-conical chamber terminating in an enlarged intake opening, a pair of channel-like annular tracks secured to and surrounding said hopper, said tracks being proximate to the opposite ends thereof respectively; said tracks engaging said pairs of pulleys respectively, and an inwardly extending spiral flange mounted on the cylindrical chamber walls, a perforated spiral conveyor mounted in said hopper and having one end connected to the outlet end of said hopper and extending to the central area of said hopper; said spiral conveyor having a curved tangentially extending portion extending substantially to the inner wall of frusto-conical portion of said hopper and adapted to pick up and tumble confections and to thereby cause portions of the sugar to contact and adhere to said confections and said spiral conveyor being adapted to deliver said confections to and through the outlet opening of said hopper.

2,625,904

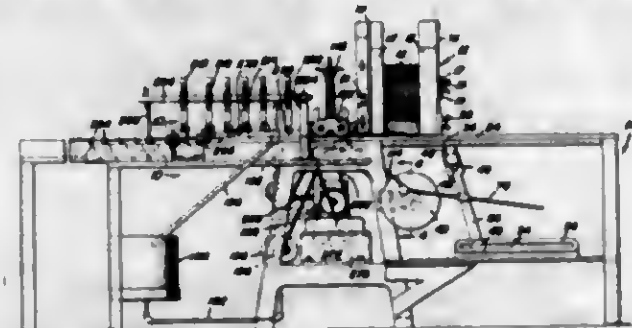
MACHINE FOR COATING RULERS

Briney S. Dombrowski, Seneca Falls, N. Y.

Application September 28, 1949, Serial No. 117,818
5 Claims. (Cl. 118-100)

1. A machine for coating slats comprising a hopper for receiving a vertical stack of slats, means for discharging slats from said hopper, a slat coating means, slat feeding means for delivering slats from said discharge means to said coating means, said discharge means comprising a reciprocable ram, a rotatable shaft having a crank, means connecting said shaft to said ram, said connecting means including a lever having a sliding connection with said ram, a pitman attached to said lever and crank for oscillating the

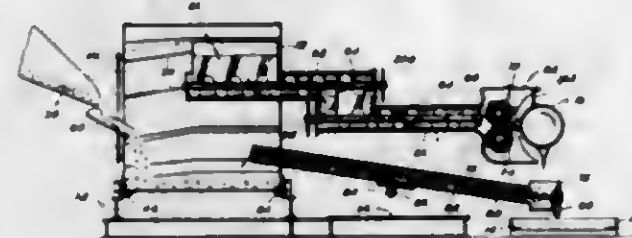
lever upon rotation of the shaft, means for driving said shaft, and a yieldable friction coupling between said driving means and said shaft, a



fulcrum for said lever, means for adjusting said fulcrum relative to said ram, means for adjusting the effective length of said pitman.

2,625,905

APPARATUS FOR APPLYING COATING MATERIAL TO PIPE

Sidney Lee Richards, Jr., Corpus Christi, Tex.,
assignor to Rosson-Richards Processing Co.,
Inc., Corpus Christi, Tex., a corporation
Application April 13, 1950, Serial No. 155,724
3 Claims. (Cl. 118-320)

1. An apparatus for coating pipes and the like comprising supporting means rotatively carrying the pipe to be coated, said supporting means being movable in the direction of the axis of the pipe, a rotatable mixing drum for coating material, means for rotating the drum, a conveyor tube in communication with the drum, a pair of cylindrical brushes rotatably mounted to receive between them coating material from the discharge end of the conveyor tube and propel said material against the pipe, means for rotating the brushes, a feed screw rotatably mounted in the conveyor tube, means for rotating the feed screw to feed coating material to the brushes, a movably supported return tube opening into the drum, a hopper carried by said return tube and located beneath said pipe for receiving excess coating material from the pipe, said return tube being in communication with the hopper, means for moving the return tube to adjust the position of the hopper beneath the pipe, a return screw rotatably mounted in the return tube, means for rotating the return screw to convey excess coating material from the hopper to the drum, and driving means for effecting rotation of the pipe and longitudinal movement of said supporting means relative to said brushes.

2,625,906

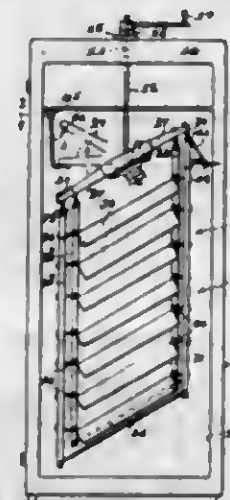
EGG TURNING APPARATUS FOR INCUBATORS

Elbridge W. Forney, Fort Lauderdale, Fla.

Application February 28, 1951, Serial No. 213,186
10 Claims. (Cl. 119-44)

1. An incubator apparatus comprising a rack provided with a head, a vertically disposed shaft extending loosely through and journaled in the center of said head and providing the sole support for said rack, said shaft having an

oblique lower end portion extending downwardly from said head, a bearing member engaging said oblique shaft portion and disposed against the underside of the head, a stop member secured to the oblique shaft portion and supporting the bearing member thereon, a post pivotally suspended from each corner of said head including front and rear corner posts, tray supporting rods

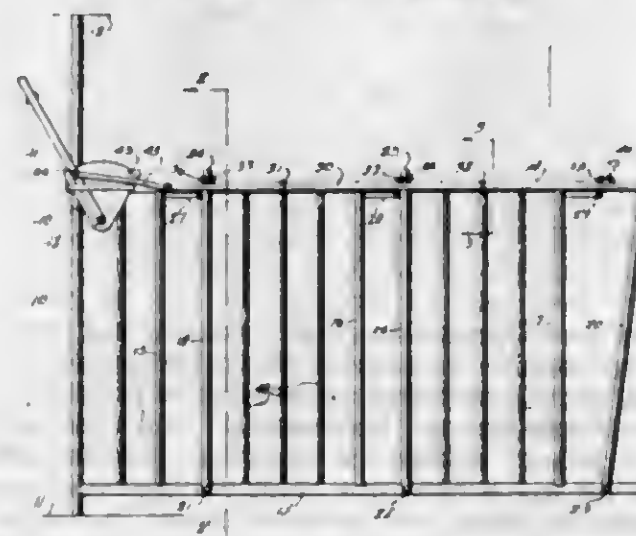


extending between and connected to complementary front and rear corner posts, and egg containing trays supported in superposed relationship in said rack on said tray supporting rods, said shaft being rotatable relatively to the head whereby the corners of the head will be successively elevated for universally rocking the rack and trays.

2,625,907

COW STANCHION

Tony O. Montero, Loomis, Calif.

Application March 23, 1951, Serial No. 217,240
1 Claim. (Cl. 119-148)

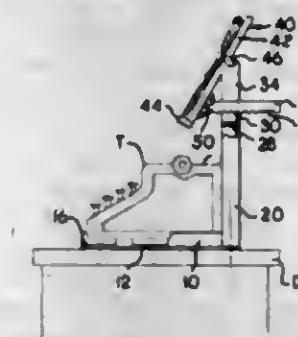
A cattle stanchion assembly comprising end posts adapted to be fixedly mounted in substantially vertical positions and in spaced apart relationship to each other, an upper and a lower side rail extending between said posts in spaced apart substantially parallel relationship to each other, stanchions disposed between said upper and lower rails in spaced apart relationship to each other and each comprising a fixed member substantially parallel to said end posts, a movable member pivotally connected at its lower end to said lower rail at a location spaced a predetermined distance from the lower end of the associated fixed member and guided at its upper end on said upper rail for movement toward and away from the corresponding fixed member and a stop carried by said upper rail and disposed between said fixed and movable members to limit movements of said movable member toward said fixed mem-

ber to a predetermined distance between said members, a rod extending along said upper rail, manually operated means connected between one end of said rod and said upper rail near one end of the latter for moving said rod along said upper rail to open and close said stanchions and for releasably locking said rod to said upper rail in position to maintain stanchions closed, pickets disposed between adjacent stanchions and extending between said upper and lower rails to close the spaces between the stanchions, and loops secured one to each movable stanchion member at the upper end of the latter and projecting upwardly from the corresponding movable stanchion members and receiving said upper rail to guide the upper ends of said movable stanchion members along said upper rail toward and away from the upper ends of the corresponding fixed stanchion members, apertured lugs projecting outwardly from said rod at spaced apart locations therealong, and rings of rectangular shape pivotally connected to said rod by said lugs and receiving the upper ends of said loops, said rings being manually removable from the upper ends of the associated loops to release the corresponding movable stanchion members individually for opening the stanchions.

2,625,908

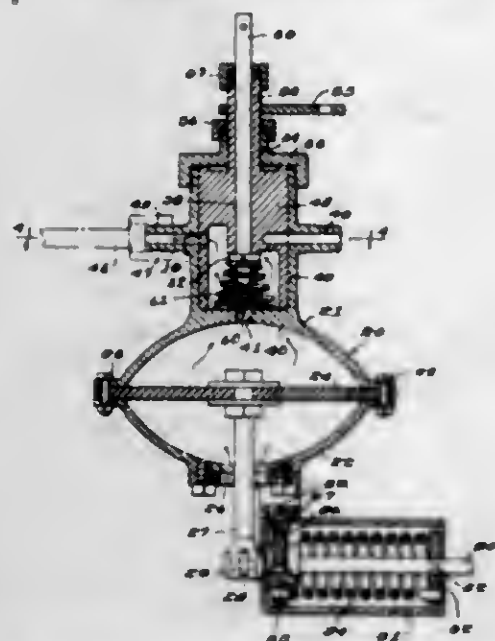
COPYHOLDER

Charles W. Knott, Santa Barbara, Calif., assignor of forty-four per cent to Fred T. Harsh, five per cent to James D. Harsh, and five per cent to Fred T. Harsh, Jr., all of Santa Barbara, Calif.

Application April 20, 1950, Serial No. 156,985
1 Claim. (Cl. 120-28)

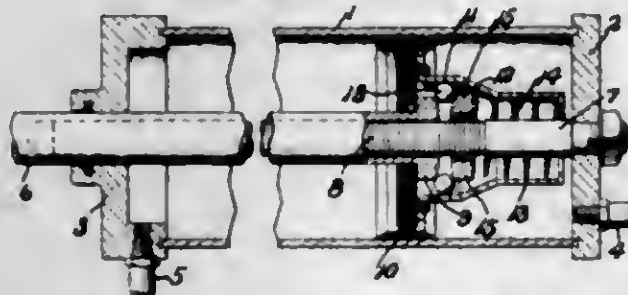
In a copy holder for typewriters, a flat rectangular base plate having side and rear upstanding side flanges to support the typewriter, an open rectangular frame rising from the rear corners of said flanges, said frame comprising side members of L-angle iron, a horizontally disposed tie element also of L-angle iron interconnecting said side members toward their upper ends, said tie element having one of its flange portions upstanding, said side members having one of their flange portions extending inwardly toward each other at the rear side of said base and cutaway upwardly from immediately below said tie element and the top ends of the other flange portions thereof recessed, an inclined table having a flat bottom and bottom and side outstanding flanges to support the copy to be typed, the said bottom outstanding flange having a greater width than the said side outstanding flanges, trunnions projecting laterally from points slightly above the transverse centers of the latter flanges for pivotal support in said recesses, a bar pivoted at one end to one of the said latter flanges and having its lower edge provided with a series of notches, said bar extending rearwardly from its point of pivot to have said notches selectively engaged with the edge of the upstanding flange of said tie element to adjust the angle of inclination of the table.

2,625,909
VACUUM BRAKE FOR MOTOR TRUCKS
 Charles M. Steely, Hamburg, Pa.
 Application May 25, 1950, Serial No. 164,100
 3 Claims. (Cl. 121-38)



1. In a brake system, a hollow housing including an upper section and a lower section connected to said upper section, an annular resilient diaphragm interposed between said upper and lower sections and connected thereto, a rod having one end connected to said diaphragm and projecting through said lower section, a casing arranged exteriorly of said housing, a shaft rotatably mounted in said casing, a link having one end pivotally connected to said rod and its other end connected to said shaft whereby movement of said diaphragm causes rotation of said shaft, a partition arranged in said upper section and defining a chamber, there being bushings communicating with said chamber, a valve rotatably arranged in said chamber and provided with ports adapted to register with said bushings, the upper end of said valve projecting beyond said upper section and defining a body member, a lever having one end connected to said body member for rotating said valve, there being an opening in said partition, said valve being provided with a longitudinally extending bore, a rod reciprocably arranged in said bore and mounted for movement into and out of bridging relation with respect to the opening in said partition.

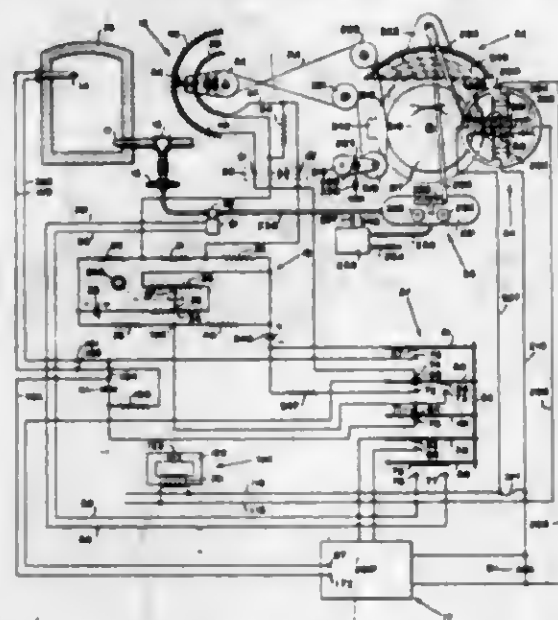
2,625,910
PISTON CYLINDER APPARATUS
 Stanley Michalak, Grand Rapids, Mich.
 Application March 22, 1951, Serial No. 216,921
 3 Claims. (Cl. 121-40)



1. In a structure as described, a cylinder, end members closing the ends of the cylinder, a rod slidably mounted and passing through one of said ends of the cylinder, having a head at its inner end, means for conducting fluid pressure into the

cylinder at its opposite end, a piston on said rod mounted thereon for movement lengthwise of the rod from said head to a position away from the head, a fixed rod secured to the other end of the piston, said first mentioned rod having an axial boring therein into which said fixed rod extends and is guided, a housing secured to said piston at a side thereof, located around said fixed rod and around the head of the first mentioned rod, a member within said housing, said fixed rod and said member having interengaging means for connecting them together against movement with respect to each other in one position of said member, means normally maintaining said member out of engagement with said fixed rod, and means automatically operated by movement of said housing when said piston is moved away from the head on the first rod to connect said member with said fixed rod.

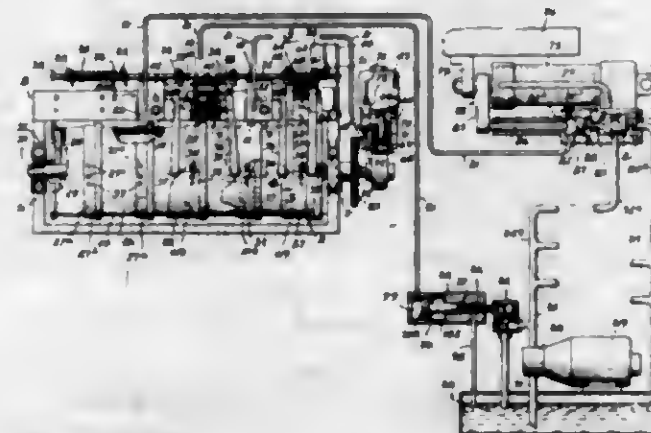
2,625,911
AIR MOTOR CONTROLLER WITH SELF-BALANCING POTENTIOMETER
 Henry M. Schmitt, Glenside, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
 Application March 29, 1949, Serial No. 84,206
 3 Claims. (Cl. 121-41)



3. In a controller having a measuring instrument responsive to a variable to be controlled, a self-balancing potentiometer normally connected to said measuring instrument and having a standardizing resistance and a standardizing switch, an air-controlling pilot valve governed by the movements of said potentiometer in response to the variations sensed by said measuring instrument and an air-operated motor controlled by the pilot valve, the combination including, operating means for moving said standardizing switch to disconnect the measuring instrument and to connect a standard cell to said potentiometer, a clutch operated by said operating means to connect said standardizing resistance to said operating means when said standardizing switch is moved to standardizing position, a power-conducting circuit adapted for connection to a source of power, a circuit-making-and-breaking device controlling the flow of power through said power-conducting circuit, said device being moved to render said circuit power-conducting when the standardizing switch is moved to a standardizing position, a power-operated motor connected in said circuit and normally having a first position and operative to a second position when said circuit is conducting power, and a valve driven by

said motor to closed position when said motor is in the second position, said valve being located in the air-conducting connection to the air-operated motor so as to prevent the entrance or exit of air to or from said air-operated motor when said valve is closed.

2,625,912
HYDRAULIC APPARATUS, INCLUDING A DRIVE MOTOR AND AUTOMATIC CONTROL MEANS FOR THE MOTOR
 Edward M. May, Detroit, Mich., assignor to Mecopilot Manufacturing Company, Detroit, Mich., a corporation of Michigan
 Original application December 30, 1946, Serial No. 719,305. Divided and this application October 3, 1951, Serial No. 249,481
 3 Claims. (Cl. 121-45)



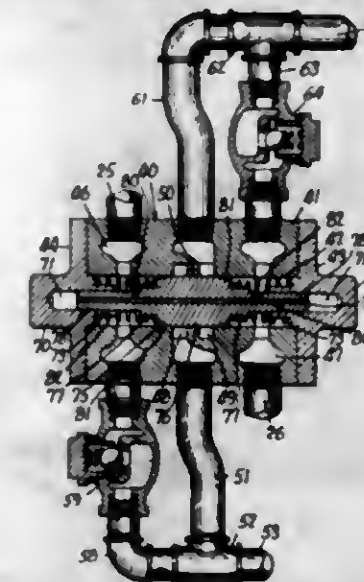
1. In hydraulic apparatus, the combination of a fluid pressure operated motor; a source of working fluid for said motor; valve means for controlling admission of the working fluid to the motor; and automatic means for controlling the operation of the motor comprising a plurality of hydraulic transmitters each having a cylinder and a piston therein, a motor driven cam carrier, cams mounted thereon, cam follower devices associated with said cams and respectively connected to the transmitter pistons, a hydraulic receiver associated with the control valve of the aforesaid motor and connected to receive hydraulic impulses from one of the transmitters whereby the operation of the motor valve is controlled by the movement of the cam carrier, means for varying the pressure of the working fluid supplied to the hydraulic motor, and another hydraulic receiver associated with the last named means and operatively connected to another of the hydraulic transmitters whereby the movement of the cam carrier also controls the pressure of the fluid supplied to the hydraulic motor.

2,625,913
HIGH-PRESSURE FLUID HYDRAULIC PROPULSION SYSTEM HAVING MEANS FOR AVOIDING SHOCKS

Clyde P. Baldwin, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
 Application January 18, 1947, Serial No. 722,807
 22 Claims. (Cl. 121-46.5)

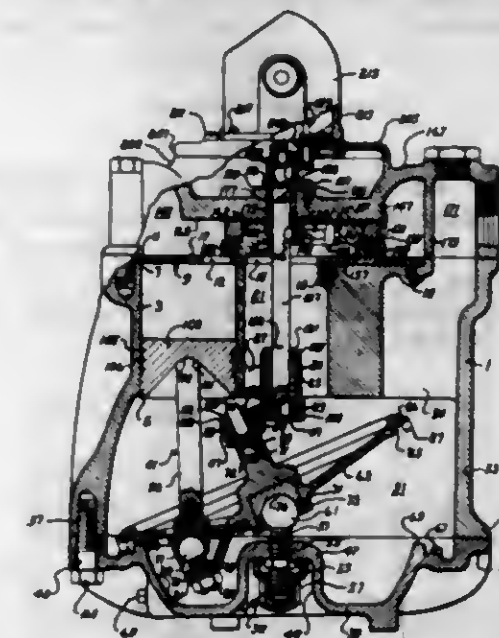
1. In combination, a source of hydraulic fluid under pressure, a motor for actuation by such fluid, operator controlled valve means controlling fluid supply to and fluid venting from said motor and associated conduit means between said valve means and said motor, and shiftable means for providing for an initially restricted, automatically increased freedom of communication between

said valve means and said motor upon actuation of said operator controlled valve means to provide for relatively free flow of fluid past the same towards said motor and for relatively free communication between said motor and said operator controlled valve means upon actuation of the



latter to provide for venting of fluid from said motor, said shiftable means including a valve device having a cylindrical central portion completely interrupting communication between said operator controlled valve means and said motor past such portion in one position of the latter.

2,625,914
METER FOR INDUSTRIAL LIQUIDS
 Ralph B. Pressler, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
 Application March 5, 1945, Serial No. 580,985
 5 Claims. (Cl. 121-119)

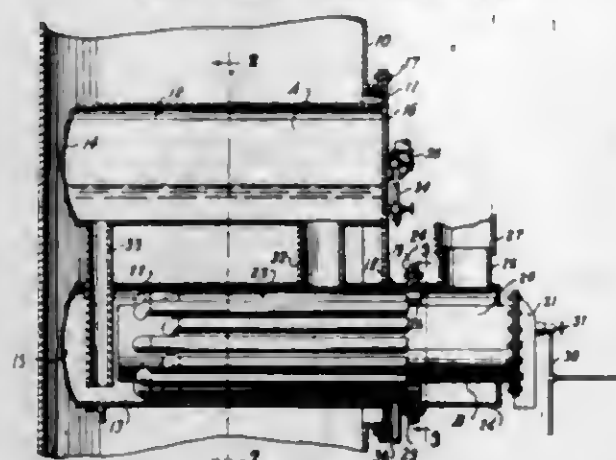


1. In a fluid meter comprising a case having a fluid inlet, an outlet, and displacement means comprising a plurality of cylinders, each having a port, pistons mounted for movement in said cylinders, valve means for said ports for controlling the flow of fluid to and from said cylinders and means connecting said valve means to be driven by said pistons, the improvement wherein said connecting means comprises a control plate having a peripheral gear and an annular track, a corresponding gear and track in said case, said tracks cooperating to support said plates and limit the degree of engagement of the gear and said gears cooperating to prevent rotation of said plate relative to said pistons.

2,625,915

MEANS FOR HEATING VESSELS

Clarence O. Glasgow and Joseph L. Maher, Tulsa, Okla., assignors to National Tank Company, Tulsa, Okla., a corporation of Nevada
Continuation of application Serial No. 775,118, September 19, 1947. This application December 26, 1951, Serial No. 263,164
6 Claims. (Cl. 122—33)

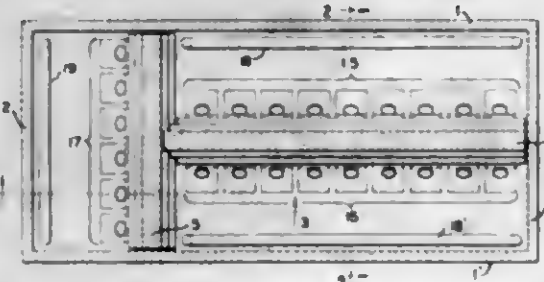


1. The combination with a liquid containing vessel having an opening within one wall, of an internal heater including, a heater casing projecting into the vessel through said opening and being removably secured in such position in the body of liquid within the vessel, a combustion tube removably secured within the casing having its inner end sealed and its outer end projecting from the casing and the vessel, return fire tubes extending from the sealed end of the combustion tube within the casing and extending along the interior of the casing to the outer end of the combustion tube, a smoke box enclosing the outer ends of the fire tubes, and a heat exchange fluid within the casing enveloping at least a major portion of the combustion tube and the fire return tubes, the combustion tube and the fire tubes transferring heat to the heat exchange fluid and thence to the liquid within the vessel.

2,625,916

MODIFIED UP-DRAFT TYPE OF HEATERS

Marion W. Barnes, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 16, 1950, Serial No. 196,068
2 Claims. (Cl. 122—240)



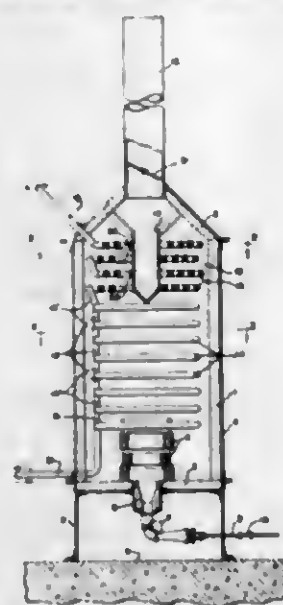
1. A heater for fluids, comprising in combination, refractory side and end walls defining the lower portion of a confined heating chamber, a center wall extending longitudinally between said side walls for a major portion of the length thereof, a cross wall spaced from an end wall of said heating chamber and extending between said side walls abutting said center wall at right angles thereto, said center wall and said cross wall extending upwardly from the bottom of the chamber to a height substantially equivalent to that of said side walls, said center wall forming with said side walls two longitudinal radiant heating zones, said cross wall and adjacent end wall form-

ing a small lateral radiant heating zone at right angles to said longitudinal heating zones, means for directing flames and hot combustion gases upwardly against each face of said center wall, independent burner means for directing flames and hot combustion gases against the face of said cross wall within said lateral heating zone, a fluid heating zone of smaller cross-sectional area than said lower portion of said heating chamber disposed between upper portions of said side walls and said end walls, with the latter heating zone being in open communication with each of said separated radiant heating zones, breaching positioned above the upper portion of said smaller fluid heating zone suitable for collecting and discharging flue gases from said chamber, a plurality of tubular fluid conduits disposed adjacent the side walls of said heating chamber in each of said longitudinal radiant heating zones, a plurality of tubular fluid conduits disposed adjacent the end wall of said heating chamber in said laterally positioned radiant heating zone, a plurality of tubular fluid conduits disposed horizontally in a tube bank within said smaller heating zone between the upper portions of the side walls of said heating chamber, inlet means for introducing fluid to be heated to said tubular fluid conduits within said heating chamber, and outlet means for withdrawing resulting heated fluid streams therefrom.

2,625,917

FLUID HEATING APPARATUS

Marion W. Barnes, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 16, 1950, Serial No. 196,067
3 Claims. (Cl. 122—250)

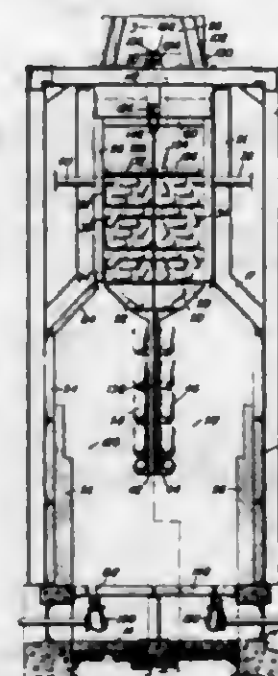


1. A heater for fluids, comprising in combination, a vertically disposed substantially cylindrical refractory wall defining a heating chamber having an upper convection heating zone, means for generating flame and hot combustion gases within the lower portion of said heating chamber, a stack extending from the upper end of said cylindrical heating chamber, a convection heated fluid conduit within said upper convection heating zone disposed in the direct path of flow of hot combustion gases from the lower portion of the chamber and having a plurality of interconnected horizontal layers of tube coils, with each layer thereof having a plurality of horizontally spaced concentric coil sections which are less than 360° in length and are connected one to the other providing a fluid flow therethrough within each layer, and inlet and outlet means connected to said fluid conduit.

2,625,918

FLUID HEATING APPARATUS

Thomas M. Lumly, Tulsa, Okla.
Application January 19, 1949, Serial No. 71,692
13 Claims. (Cl. 122—356)

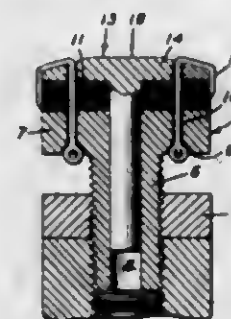


1. A heater comprising an enclosure having an upper wall, said upper wall having an opening therein, a partition depending from and attached solely to said upper wall, banks of tubes held stationary within the enclosure adjacent both sides of and free from said partition, said enclosure being divided into two zones by said partition, damper means controlling the flow of products of combustion through said opening, and means adjustably securing the partition to the upper wall for vertical adjustment of the partition within the enclosure and relative to the banks of tubes.

2,625,919

VALVE SILENCER AND SHOCK RESISTOR UNIT

August M. Schmidt, Gary, Ind.
Application June 13, 1949, Serial No. 98,781
1 Claim. (Cl. 123—90)

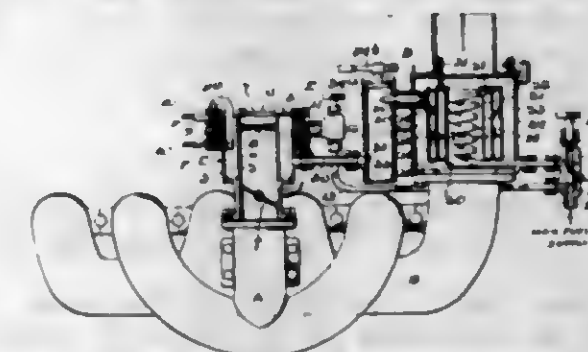


A valve silencer comprising a valve tappet screw having a flat top with vertical oil passages in said top and an axial through oil passing bore therein, a stack of disks on said head in flat engagement with the lower disk flatly engaging said top, said disks having vertically aligned oil passing openings therein registering with the oil passages in said head, a bevel edge mushroom type member seated flat on the top disk of the stack with vertical oil passing openings therein registering with said openings in the disks, and pins extending through said passages and openings and securing said head, disks and member together, said pins being smaller than said passages and openings to permit oil to pass through said passages and openings.

2,625,920

GASIFYING CARBURETOR

Joseph E. Farrell, Island Heights, N. J., assignor to Farspan Industries, Inc., Island Heights, N. J., a corporation of New Jersey
Application April 9, 1951, Serial No. 220,026
6 Claims. (Cl. 123—133)

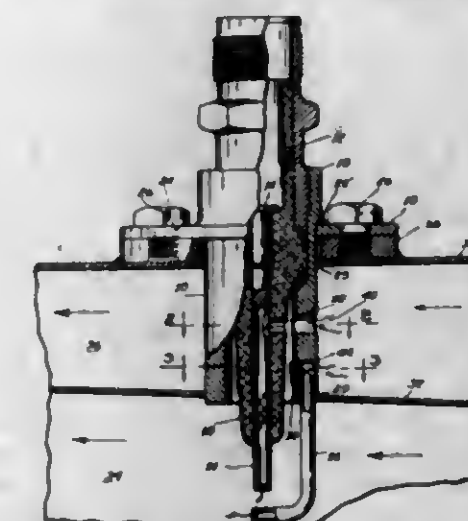


1. A gasifying carburetor for use on the intake and exhaust manifolds of internal combustion engines, comprising, a starting gasifying unit communicating with the intake manifold, a main generator located in the path of discharge of exhaust gases in the exhaust manifold, means for establishing communication between the main generator and the starting gasifying unit, said means including a gas volume control valve serving as an accumulator to meet differential acceleration speeds, and means for supplying the main and starting generator with liquid fuel.

2,625,921

AIR-COOLED SPARK PLUG

William H. Van Ry, Seattle, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application June 27, 1949, Serial No. 101,648
7 Claims. (Cl. 123—169)



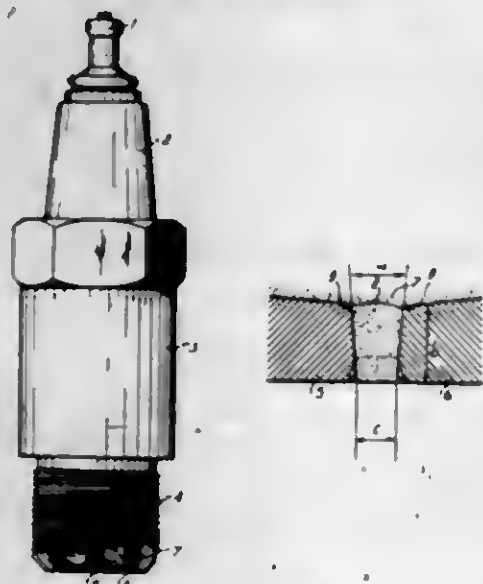
4. For an internal combustion engine of the continuous combustion type having a cooling air duct adjacent to its combustion chamber for passage of a stream of cooling air along the outside of such chamber to remove heat therefrom, a spark plug having an annular body portion mounted extending at least partly through said cooling air duct in transverse relation thereto, to project the electrode end of the spark plug into the combustion space, said spark plug having a tubular central electrode, an insulating bushing surrounding said central electrode and, over a portion of its length, spaced radially inward from said annular body portion to define an annular cavity therebetween opening into the combustion space, said body portion having an aperture in the side thereof facing against the airstream in said duct, and being closed on its

opposite side, for entrance of cooling air by ram effect from said air duct into said cavity for cooling of said insulating bushing, and said insulating bushing and said central electrode having registered apertures located generally in alignment with the aperture in said annular body portion for direct entrance of cooling air by ram effect into said central electrode, the ignition end of such central electrode being open for flow of cooling air through such electrode and into the combustion space.

2,625,922

SURFACE DISCHARGE SPARK PLUG FOR LOW VOLTAGES AND CONDENSER DISCHARGE

Wytze Beye Smits, Voorburg, Netherlands, assignor to Smitsvonk N. V., Rijswijk, Netherlands, a company of the Netherlands
Application June 13, 1950, Serial No. 167,397
In the Netherlands June 17, 1949
5 Claims. (Cl. 123-169)



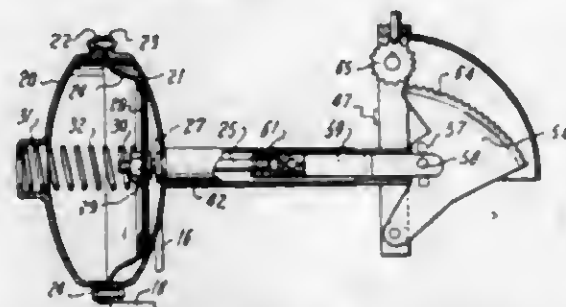
5. A low voltage, condenser operated surface discharge spark plug including a center electrode and at least one tubular electrode surrounding the same and spaced apart therefrom to leave a narrow gap therebetween, the width of the gap being determined dependent upon the characteristics of the condenser circuit and in accordance with the intended extension of the spark flame into the combustion space; an intermediate tubular body of none to semi-conductivity separating said electrodes and reaching through said gap, the end surface of said intermediate body being flush with the sparking end faces of said electrodes to constitute therewith said sparking surface; said electrodes each shaped at said gap with a circular projecting rim, the rims projecting towards one another, with their edges at a length apart from the body parts of the electrodes to hold deterioration of the electrode material through wear of the plug at a zone off said body parts; the edges of said rims being further shaped to converge towards said sparking surface forming between themselves a small angle, less than 15° down to 2°, thereby, with continued wear of the plug and deterioration of the material at the sparking zone to compensate through the increasing width of the gap and thus its resistance the decrease of resistance through agglomeration of deposits; said edges abruptly receding at a short distance from the sparking surface, the proportion of the depths of said receding edges from the sparking surface to the width of the gap being at most five to one down to two to one, thereby, after wear of a spot to the depth of said distance, to prevent forma-

tion of a spark at said spot where at such depth the spark flame would not reach sufficiently into the combustion space to ignite the gas mixture, and, by proper selection of said depth in proportion to the width of the gap to keep said spark plug effective until full wear of the spark plug to said depth around said rim.

2,625,923

STARTER FOR INTERNAL-COMBUSTION ENGINES

William R. King, Longview, Tex.
Application December 26, 1947, Serial No. 793,923
11 Claims. (Cl. 123-179)

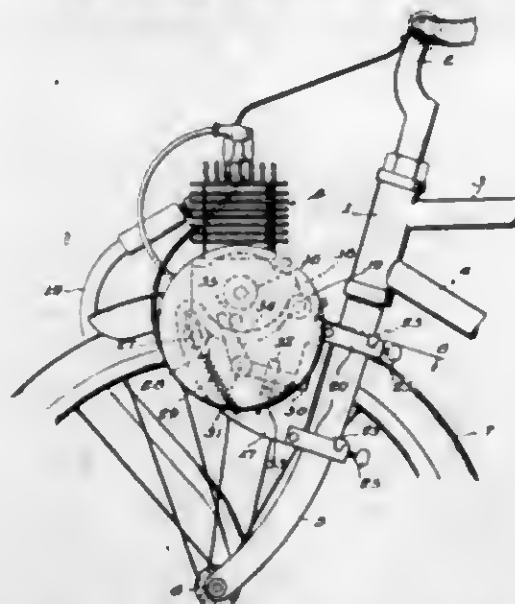


1. A starter for internal combustion engines including, a driven connection carried by the engine, a driving connection adapted to be moved into engagement with the driven connection, a gear for revolving the driving connection, toothed means adapted to revolve the gear, spring-pressed positioning means engaging the teeth of the gear constantly, pressure fluid responsive means for actuating the toothed means to move the same in one direction and revolve the gear, and means for moving the toothed means in the opposite direction.

2,625,924

COMBINED COMPRESSION RELIEF AND CARBURETOR CONTROL FOR INTERNAL-COMBUSTION ENGINES

Fred M. Friedlob, Chicago, Ill.
Application June 3, 1949, Serial No. 96,985
6 Claims. (Cl. 123-182)



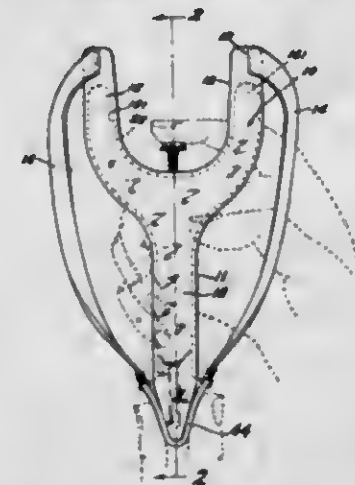
4. In an internal combustion engine adapted for use on bicycles and having a carburetor thereon, throttle control mechanism including a control grip, means rotatably mounting said control grip on one of the handle bars of the bicycle, a cable connecting said control grip with the carburetor and movable longitudinally upon rotation of said grip to control the throttle for acceleration and deceleration, an elongated valve movable longitudinally from closed to open positions, said valve

being normally closed but movable to open position to release the compression of the engine, and means on said cable operable to open said valve for compression release during a predetermined range of longitudinal movement of said cable.

2,625,925

SLINGSHOT MAGAZINE

Wiley W. Osborne, Fort Lauderdale, Fla.
Application October 24, 1949, Serial No. 123,138
7 Claims. (Cl. 124-20)

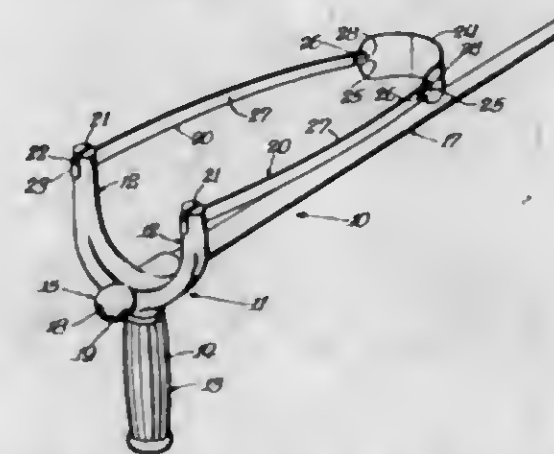


1. In a slingshot the combination of a hollow handle, means on the handle forming a protruding and yieldably openable narrow ejection aperture, a spring returned and manually depressible plunger rod extending through the pellet containing hollow interior of the handle and aligned axially with said ejection aperture, means limiting spring returned movement of the rod to admit a single pellet between the said ejection aperture and the adjacent end of the rod and means to gravitationally guide the lowermost several pellets in the handle singly alongside the plunger rod for successive entry between the end of the spring returned rod and said ejection aperture.

2,625,926

HAND CATAPULT

Edson P. Foster, Manitowoc, Wis.
Application December 5, 1950, Serial No. 199,285
1 Claim. (Cl. 124-20)



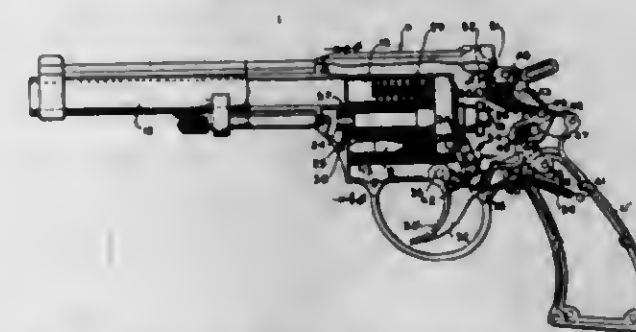
A hand catapult of the class described, comprising, a fork portion having a pair of coplanar and divergently associated arm members joined at their lower ends and constructed to support a pair of elastic catapulting band members at their outer ends, a handle portion rigidly mounted dependently to said fork portion, said handle to be grasped in one hand by the user for holding the fork portion at arms length outwardly of his body in firing, and an elongated stock portion of pole-like construction joined rigidly to and ex-

tending transversely and rearwardly from the said fork and handle portions, said stock portion being of sufficient length to traverse the user's body and support the handle and fork portions adjacent its outer end by resting across the user's drawing arm used to tension the said band members rearwardly from said fork portion when firing the catapult.

2,625,927

TOY GUN WITH MEANS FOR PROPELLING TOY BULLETS

Irving Rosenbloom, Great Neck, N. Y., assignor to Renwal Manufacturing Co., Inc., Mineola, N. Y., a corporation of New York
Application March 10, 1951, Serial No. 214,850
1 Claim. (Cl. 124-27)



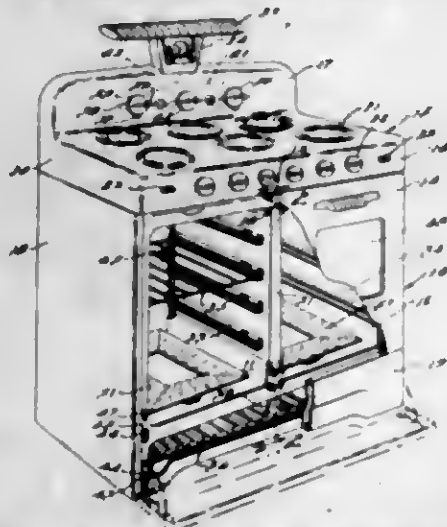
A toy gun comprising a frame, a tubular barrel fixed thereto, a cylinder having a plurality of bullet chambers extending parallel to the barrel axis and communicating exteriorly of the cylinder at the forward end thereof, means rotatably mounting the cylinder on the frame about an axis parallel to and offset from the barrel axis, said chambers being disposed in a circular path about the cylinder axis of rotation and being radially spaced from said cylinder axis of rotation a distance equal to the offset distance between said cylinder axis of rotation and the barrel axis whereby rotation of the cylinder will cause the chambers to be successively aligned with the barrel, a coil spring within each of said chambers and coaxial therewith, each of said coil springs having a rearward end fixed to and abutting against the rear portion of a respective chamber, a plate fixed to the frame and extending over and immediately adjacent a portion of the forward end of the cylinder, said plate having an opening therethrough through which said barrel communicates with the chamber in registry therewith, and means for rotating the cylinder, said means for rotating the cylinder comprising a trigger movably mounted on the frame ratchet means on the cylinder, a pawl pivotally mounted on said trigger, and spring means urging said pawl into engagement with said ratchet means, means for stopping rotation of the cylinder when the next succeeding bullet chamber has been moved into alignment with said barrel, said stopping means comprising a plurality of spaced abutments on said cylinder and a member projecting from the trigger and engaging one of said abutments when the trigger has been moved to rotate the cylinder, and a hammer provided with a longitudinal approximately forwardly extending slot having closed opposite ends, a pin secured to the frame and extending through said slot, spring means urging the hammer forwardly so as to maintain the rearward end of the slot in engagement with said pin and also tending to pivot the hammer forwardly about the pin, a cam surface on the hammer, said trigger being provided with a cam member engaging said hammer cam surface so as to pivot the hammer rearwardly about the pin in response to actuation

movement of the trigger, said cam member engaging said hammer cam surface so as to slide the hammer rearwardly with respect to the pin and thereby ratchet past the hammer cam surface in response to movement of the trigger in a direction opposite to said actuation movement.

2,625,928

STOVE OVEN WITH REMOVABLE PARTITIONS

Byron C. Gould, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application January 7, 1948, Serial No. 883
2 Claims. (Cl. 126-19)

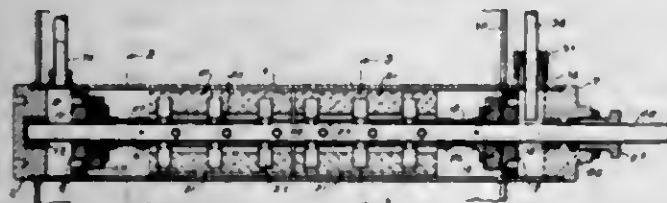


1. A stove having a base cabinet with an oven compartment provided therein, a removable vertical partition in said oven compartment dividing it into two separate oven compartments, a ridge extending upwardly from the bottom of the oven compartment from the front to the rear thereof on which said partition rests, said ridge and partition having complementary rail and groove contact means mounted thereon and constituting a connection and seal therebetween, a channel presenting downwardly from the top of the oven encompassing the upper edge of the partition, said partition being hollow, and insulating material within said hollow partition.

2,625,929

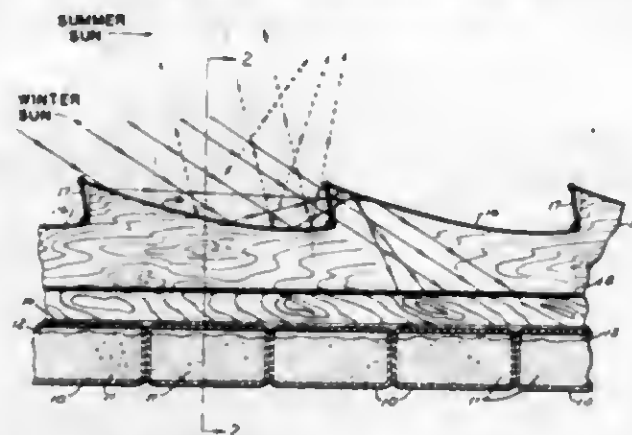
FRICTION HEAT GENERATOR

Herbert W. Love, Coventry, and Sebastian La Monica, Avon, Conn.
Application October 29, 1949, Serial No. 124,307
5 Claims. (Cl. 128-247)



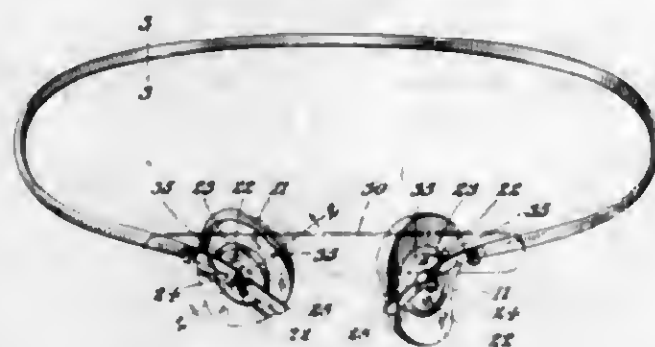
1. A friction heat generator device comprising a casing having a cylindrical wall, a pair of end plates closing the opposite ends of said casing, a drive shaft journaled in said end plates, a plurality of friction bars mounted on said shaft and retained in frictional engagement with the walls of said casing, means between said bars yieldingly urging them into said frictional engagement, a friction wall member extending transversely in said casing, a friction disk slidably secured to said shaft for rotation therewith, and spring means on said shaft urging said friction disk into heat generating frictional contact with said member.

2,625,930
SOLAR-HEATING STRUCTURE
Clyde W. Harris, Socorro, N. Mex.
Application June 2, 1950, Serial No. 165,857
3 Claims. (Cl. 128-270)



1. A solar-heating house-wall structure comprising a series of hollow, strength-giving wall members, a heat-storage material in said members and having a temperature of reversible transition moderately higher than 68 degrees F., and, spaced from said members and therewith defining a heat-insulating air space, an outer wall-element of stepped form and comprising a series of light-transmitting elements and in alternation therewith, a series of reflector elements, each of the latter having an outer reflecting surface formed and positioned for reflecting solar radiation through one of the said light-transmitting elements and an inner reflecting surface formed and positioned to receive solar radiation from one of said light-transmitting elements and reflect it onto the said hollow wall members.

2,625,931
PADDED METAL ARTICLE
Charles Sydney Phillips, London, England
Application October 18, 1949, Serial No. 121,957
In Great Britain September 1, 1948
4 Claims. (Cl. 128-104)

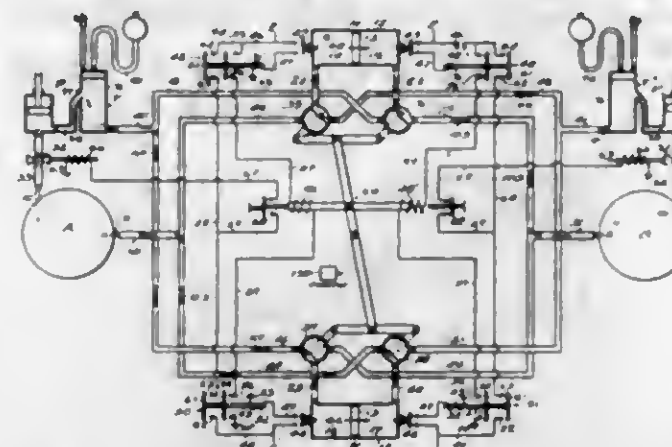


1. A surgical truss comprising a springy metal band having a spongy rubber coating and an impervious rubber sheath around the coating, said coating terminating short of an end of the band which is to carry a pad.

2,625,932
BLOOD TRANSFER APPARATUS
Peter F. Salisbury, Los Angeles, Calif.
Application January 10, 1949, Serial No. 70,013
13 Claims. (Cl. 128-214)

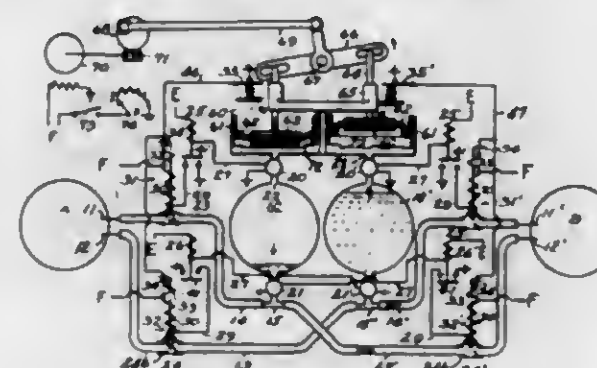
1. In a blood transfer apparatus, in combination with a pair of catheter means for insertion into blood channels of respective bodies, each including an injection device and a withdrawal device, a pair of metering units each including means defining opposed fluid chambers, and a

movable element separating said chambers and movable in response to fluid pressure in one of the chambers; a pair of pumps; and a plurality of conduits and valves interconnecting said pumps, catheter means and metering units to provide two sets of flow circuits one of which is operative in one half cycle of operation of said apparatus to direct blood from the respective bodies into one end of each of the respective metering



units while directing flow from the other ends of the respective metering units into the respective bodies, and the other of which is operative in a second half cycle of operation to direct flow from the respective bodies into the said other ends of the respective metering units while directing flow from the said one ends of the respective metering units into the bodies.

2,625,933
BLOOD TRANSFER MECHANISM
Peter F. Salisbury, Beverly Hills, Calif.
Application May 10, 1949, Serial No. 92,310
11 Claims. (Cl. 128-214)



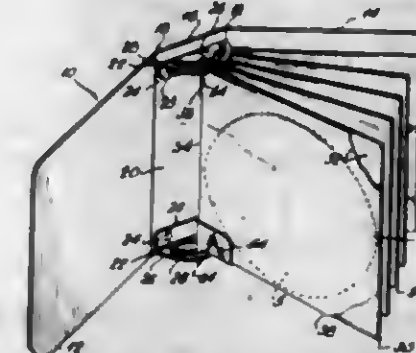
1. In a blood transfer apparatus, in combination with a pair of catheter means for insertion into blood channels of respective bodies, each of said catheter means including a withdrawal catheter and an injection catheter; a pair of metering chambers each having restricted passages communicating respectively with its upper and lower extremities, conduits branching from each of the lower passages and communicating with one each of said inlet and withdrawal catheters, means for inducing outflow from one of said chambers and inflow into the other of said chambers and, alternately, inducing inflow into said one chamber and outflow from said other chamber, and means responsive to change in blood level in said upper and lower passages respectively for directing said outflows alternately to one and then the other of said injection catheters and for directing said inflows alternately from one and then from the other of said withdrawal catheters.

2,625,934
SURGICAL WIRE FEEDING DEVICE
Thomas W. Halliday, Los Angeles, Calif.
Application April 20, 1951, Serial No. 222,073
12 Claims. (Cl. 128-303)



1. In a surgical wire feeding device, an outer elongated guide, an inner elongated guide adapted to encompass a length of wire and reciprocable forwardly into and rearwardly out of said outer guide, and clutch means for connecting a length of wire to said inner guide during the forward stroke of said inner guide whereby the wire may be advanced through said outer guide, said clutch means adapted to be released during the rearward stroke of said inner guide.

2,625,935
ENVELOPE AND SUPPORT CLIP THEREFOR
Herbert W. Marano, Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill., a corporation of Massachusetts
Application September 23, 1950, Serial No. 186,360
2 Claims. (Cl. 129-20)

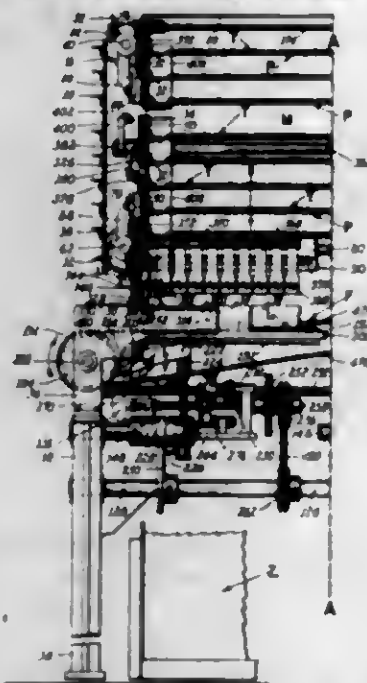


1. A rectangular envelope open at the top thereof and a support clip therefor, the clip comprising a pair of relatively wide, flat plates of springy metallic material, the plates being integral and connected along corresponding edges, one of which plates is wider than the other and has a portion thereof extended beyond the narrower plate, a hollow circular pin integral with the wider plate and extending upwards of and beyond the aforesaid connected corresponding edges, in line with the extended portion of the wider plate, the narrower plate being inserted within the envelope through the open top thereof and bendable into confronting relationship to the wider plate, whereby to grip the envelope between the two plates.

2,625,938
FILLER FEED FOR CIGAR MACHINES
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Corporation, a corporation of New Jersey
Application April 21, 1945, Serial No. 589,514
34 Claims. (Cl. 131-21)

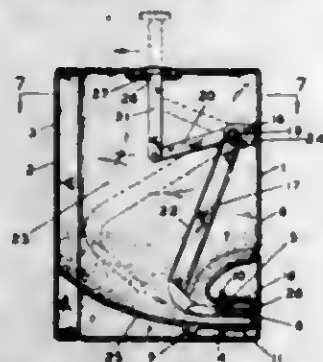
1. In a cigar machine, the combination with mechanism for forming a stream of cigar filler tobacco, of a traveling conveyor constructed and arranged to support said stream and intermittently advance the leading end thereof to a cutting station, a magazine containing a plurality of preformed layers of tobacco substantially quadrilateral in form in plan and with the

major axis of each piece of tobacco extending generally at right angles to the major axes of said layers, a layer support, a conveyor in said magazine for delivering layers of tobacco in succession from said magazine to said support, means operative after a layer has been placed on said support for feeding said layer edgewise, a strip cutter for cutting strips from the ad-



vancing end of said layer above said conveyor, means for intermittently depositing said strips of filler tobacco on said conveyor to form said stream thereon, a bunch length cutter located at said station for separating bunch lengths from said advancing end of said stream, and, mechanism for forming a superimposed column of bunch lengths.

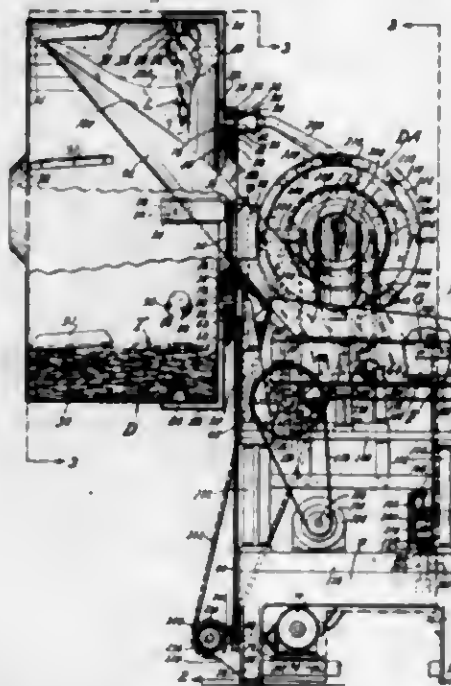
2,625,937
COMBINATION TOBACCO HOLDER AND CIGARETTE MAKER
Wayne E. Sperry, Naches, Wash.
Application March 2, 1950, Serial No. 147,280
1 Claim. (Cl. 131-75)



In a cigarette maker comprising a casing for containing tobacco and having a protruding nozzle for receiving a cigarette tube, and plunger means in said casing and movable through said nozzle to push tobacco from said casing into the cigarette tube, the improvement in said plunger means comprising a Z-shaped bell crank lever pivotally mounted to said casing at one of its angles between one crank arm and the intermediate branch of said lever with the free arm carried by said branch in alignment with and forming a plunger for said nozzle, said intermediate branch having beveled edges to facilitate passage through tobacco in said casing, a spring between said lever and said casing and biasing said lever to retract said plunger arm from said nozzle, a manually operable push rod pivotally connected to said first mentioned crank arm and extending through an

aperture in said casing, and a lug on said push rod adjacent the outer free end thereof for engaging the edge of said casing at said aperture to hold said lever in opposition to said spring with said plunger in and closing said nozzle.

2,625,938
FILLER FEED FOR CIGAR BUNCH MACHINES
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application August 31, 1944, Serial No. 552,042
10 Claims. (Cl. 131-110)

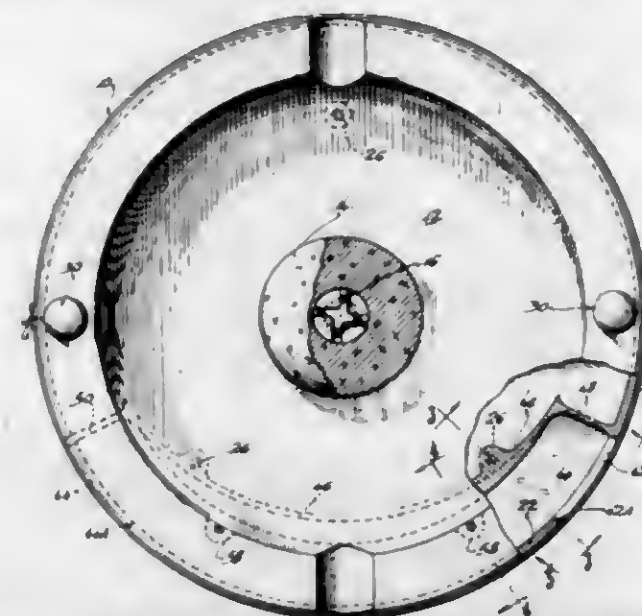


1. The combination with a hollow member adapted to support a bulk supply of tobacco leaves within its interior and be revolved whereby the interior of said member will be moved under said bulk supply of leaf tobacco, of means for revolving said member to move its interior underneath the bulk supply of tobacco, suction devices at the peripheral wall of said member to cause adhesion of a tobacco leaf to said member while it is moving under the bulk supply, and means for incapacitating said devices when the portion of said member to which a tobacco leaf adheres has moved from underneath the bulk tobacco supply, to terminate the adhesion of the tobacco to said member.

2,625,939
PIPE SMOKER'S ACCESSORY
Philip S. Harper, Chicago, Ill., assignor to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1946, Serial No. 678,952
7 Claims. (Cl. 131-232)

7. A pipe smoker's accessory having a base portion with an exterior wall and a central ash receiving portion, a tubular pipe cleaner compartment located substantially entirely at the outer periphery of the base portion and extending substantially horizontally through said base portion, said compartment being dimensioned to receive a substantial number of conventional pipe cleaners and having a length such that the pipe cleaners can be located entirely inside of said compartment, the exterior wall of said base portion having spaced openings removed from said ash-receiving portion providing access only to the ends of said compartment so that a user can insert a finger in one end and push the pipe cleaners out

through the other end and said compartment also being longitudinally curved somewhat so as to



bend the pipe cleaners therein, whereby the pipe cleaners are removably held in said compartment.

2,625,940
COLD WAVE CURLING ROD
Earl W. Carper, Parkersburg, W. Va., assignor of one-half to Lenard Gotlieb, Clarksburg, W. Va.
Application December 27, 1949, Serial No. 135,277
10 Claims. (Cl. 132-41)



1. A hair waving device comprising a cap member, an elongated rod member having one end rotatably mounted within the open end portion of the cap member for limited lengthwise movement, interengageable surfaces formed within the cap member and on the rotatably mounted end of the rod member respectively, and a bail pivoted on the cap member and formed to fasten over the other end of the rod member to move and hold said surfaces into non-rotatable engagement for stopping rotation of the rod member when fastened.

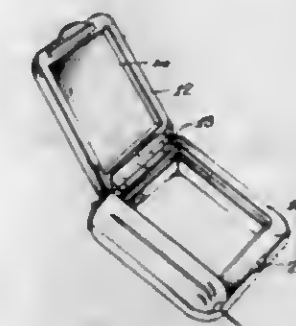
2,625,941
PIN CURLER FOR COLD WAVING
Ethel G. Harrington, North Braddock, Pa.
Application January 8, 1952, Serial No. 265,407
6 Claims. (Cl. 132-42)



1. A hair curling device comprising a hollow frusto conical member, a radially extending annular flange at the base of said member, a slot in said flange and member extending to a point intermediate the ends of the frusto conical member, a notch in the top edge of the frusto conical member, flexible means engaging said notch and adapted to be wrapped around said member and a serration on the edge of the flange engaging the end of the flexible means opposite its engagement with the notch.

666 O. G.—49

2,625,942
ILLUMINATED VANITY CASE
Henry Charles Weiss, Jr., Sturtevant, Wis.
Application February 21, 1949, Serial No. 77,471
1 Claim. (Cl. 132-83)



In a vanity case having a powder compartment to one side of the center thereof, a cover positioned off-center over said compartment hinged to open away from the user, and a mirror inside of said cover laterally inclined with respect thereto to compensate for the off-center position of said cover.

2,625,943
LIPSTICK SHAPER
Dorothy A. Frey, Jackson, Mich.
Application January 15, 1949, Serial No. 71,140
4 Claims. (Cl. 132-88.7)

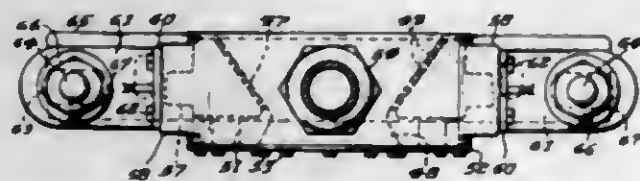


2. A combination lipstick holder and shaper comprising a casing having a base and adapted to contain a projectable lipstick, an elongated arm member pivotally mounted near one end on said casing and adapted at its opposite end to project beyond the end of the holder through which the lipstick is projected, a lipstick shaper head on said arm member and rotatable relatively to the lipstick holder, and a guide about said holder member operatively associated with said shaper in position to space said lipstick shaper from the lipstick projecting end of the holder, said shaper having a semi-elliptically formed reversely inclined shaping edge adapted correspondingly to shape the lipstick when projected through the holder into the path of said shaping edge and upon relative rotation being produced between the holder and said shaper.

2,625,944
QUENCHING APPARATUS
Quentin M. Bloom, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application August 4, 1945, Serial No. 608,920
2 Claims. (Cl. 134-199)

1. A quench head comprising means forming an annular-shaped hollow structure provided with an inlet for a quenching fluid and through which elongated work is adapted to pass continuously, the inner peripheral surface of said structure including a conical-shaped wall flaring outwardly in the direction of movement of work

through the head, said wall being perforated with a plurality of rows of openings for discharging quenching fluid from the interior of said structure onto successive longitudinal portions of the work at an acute angle thereto in the direction

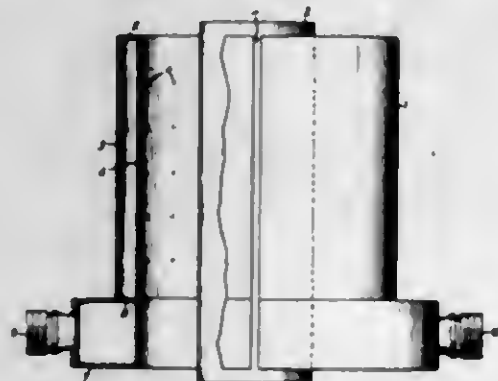


of movement of the work, a frame on which said structure is mounted, and means for adjusting said structure on said frame in a number of different directions in a plane transverse to the direction of movement of the work.

2,625,945

QUENCHING DEVICE

Herbert W. Secor, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application October 22, 1946, Serial No. 704,946
3 Claims. (Cl. 134-199)



1. A quenching device comprising a member constructed of a plurality of walls forming a water receiving chamber, one of said walls being provided with a plurality of relatively small quenching orifices, a header member connected to said chamber member, at least one relatively large orifice having an area substantially greater than the combined area of said quenching orifices but substantially smaller than the cross-sectional area of said chamber providing for communication between said header and said chamber, and means for supplying a quenching fluid to said header member for the supply of quenching fluid through said relatively large orifice to said chamber, said relatively large orifice serving to restrict the quantity of fluid flowing into said chamber for producing a relatively low velocity of fluid flow in said chamber whereby when said chamber becomes filled jets of fluid are supplied from said quenching orifices substantially simultaneously for uniform quenching.

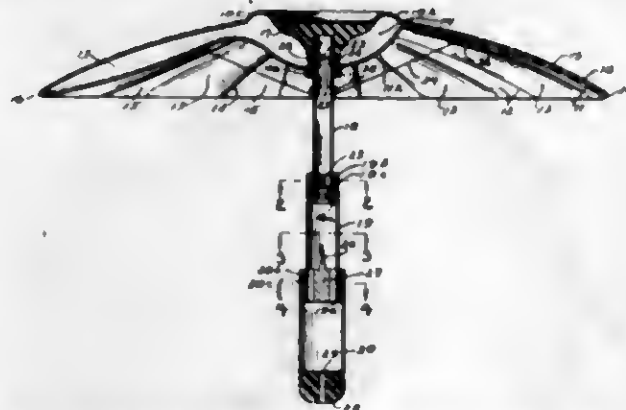
2,625,946

INFLATABLE UMBRELLA

Henryk Kaston, New York, N. Y., and Thomas L. Fawick, Cleveland, Ohio
Application November 29, 1948, Serial No. 62,524
3 Claims. (Cl. 135-20)

1. An inflatable umbrella comprising an inflatable, flexible canopy, a telescoping handle having one of its sections hollow and in direct sealed communication with the canopy, a check-

valve in that section, and means on an adjacent telescopic handle section for automatically opening the check-valve as an incident of the collapsing relative movement of the two sections.



2,625,947

DEVICE FOR ATTACHING FABRIC TO UMBRELLA RIBS

Marco Ferrante, Brooklyn, N. Y.
Application September 15, 1949, Serial No. 115,929
5 Claims. (Cl. 135-36)

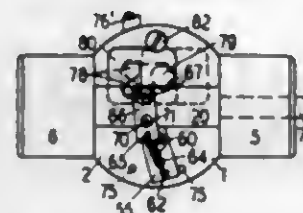


1. A clasp for securing the fabric to the ribs of an umbrella, fabricated from a metal blank to provide a tubular end and an ornamental end separated by a flat body portion having sides bent up from said flat body portion, said sides parallel to said tubular and ornamental ends to present a pair of upstanding wings, said pair of wings being adapted to be folded down to secure a portion of the umbrella fabric between said folded wings and said flat body portion of the clasp.

2,625,948

DELAYED-ACTION PULSATOR VALVE

John C. Marlow, Mankato, Minn.
Application March 1, 1949, Serial No. 78,955
2 Claims. (Cl. 137-104)



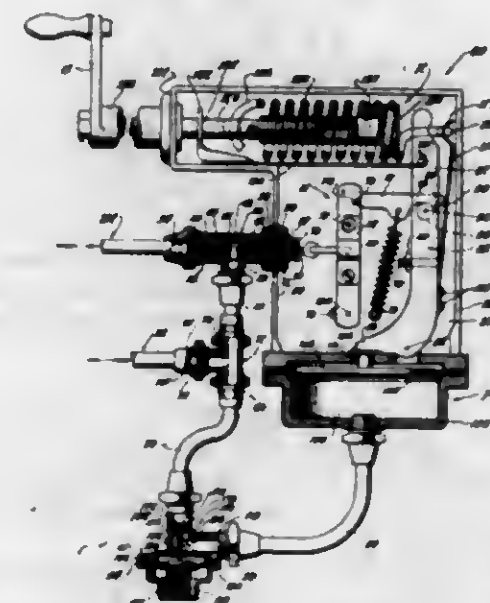
1. A delayed action valve for the pulsator of a milking machine comprising a casing having passageways therein, cylinders mounted to said casing, pistons operating in said cylinders, a piston bar connected to said pistons, a member pivotally mounted to said piston bar, a reversing valve pivotally mounted to said casing, a coil spring interconnecting said reversing valve with said first named member, said coil spring being connected to the reversing valve at a point beyond the pivotal mounting of the reversing valve, a lug attached to said piston bar, said first named member being provided with an enlarged aperture located between the pivotal mounting of said member and the point of attachment of the coil spring, said lug contacting a side of the aperture when the piston bar is substantially at the end of

its stroke prior to the reversal of the valve, whereby to allow said first named member to move independent of said piston bar to delay the action of the reversing valve and means for limiting the rotary movement of said reversing valve.

2,625,949

INFLATING MECHANISM ADJUSTABLE FOR HIGH OR LOW PRESSURE RANGES

William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Application February 3, 1948, Serial No. 6,102
21 Claims. (Cl. 137-225)

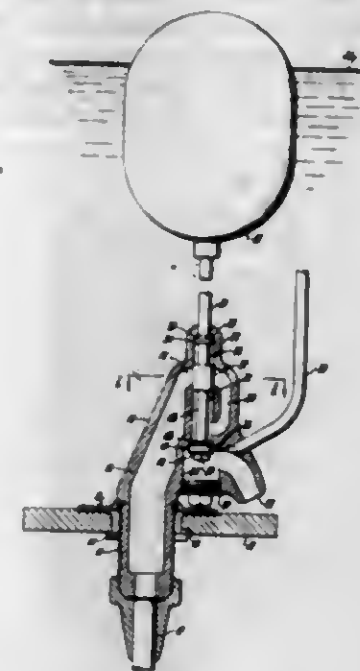


14. In an air service device of the type adapted to feed air from a source of compressed air into a receptacle in successive charges, means for feeding compressed air, a valve connected to said means for controlling the passage of air there-through, actuating means connected to said valve and movable through a control operation to control the opening and closing of said valve, pressure responsive means subjected to and responsive to air pressure in said first mentioned means for moving said actuating means through such a control operation, regulating means connected to said actuating means in yielding opposition to such movement of said actuating means by said pressure responsive means, and control means for varying the air pressure to which said pressure responsive means is subjected in accordance with the force with which said regulating means opposes said pressure responsive means.

2,625,950
VALVE

Leonard W. Clover, San Jose, Calif.
Application February 21, 1948, Serial No. 10,151
2 Claims. (Cl. 137-433)

1. In a valve, a body having a longitudinal bore extending therethrough provided with respective valve seats adjacent the ends thereof, a discharge passage means leading from one of said seats, inlet passage means in said body intersecting said bore between said seats and thereafter opening into said bore adjacent said one seat, and a valve member in said bore, said valve member having respective valve portions for co-operation with said respective seats, said valve member also having a piston valve portion slidable in said bore and an adjacent portion of reduced diameter, said piston valve portion and

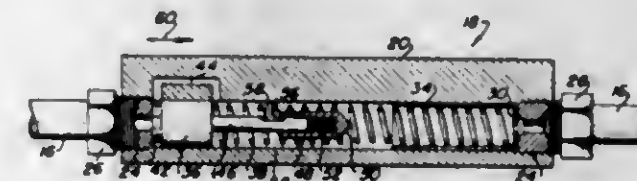


passage means at the intersection thereof with said bore to close and open the valve.

2,625,951

SAFETY DEVICE FOR HYDRAULIC BRAKES

Elmer H. Owens, Tarpon Springs, Fla.
Application January 16, 1950, Serial No. 138,833
1 Claim. (Cl. 137-517)

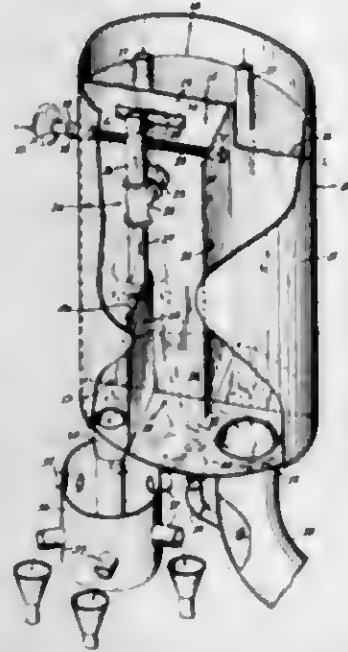


In a hydraulic safety device of the type described, the combination of cylinder, a pair of coupling nuts provided at the opposite ends of said cylinder for connection to hydraulic lines, an apertured disc positioned in the cylinder in abutment with one of said nuts and affording a valve seat at the center thereof, a tubular stop member positioned in an end portion of the cylinder in abutment with said disc, a piston slidable in the other end portion of the cylinder between the other coupling nut and said stop member, said cylinder being provided with a passage by-passing said piston when the latter engages the adjacent coupling nut, a compression spring positioned in said cylinder between said piston and said disc, a coaxial stem provided on one side of the piston and having an end portion formed at one side thereof with a flat-bottomed recess, said stem being disposed axially in said spring, a hollow valve head slidable on said end portion of said stem and having a tapered end engageable with said valve seat, a detent provided on said head and slidable in said recess to limit the sliding movement of the head on the stem, and a second compression spring positioned in said head in abutment with the end of said stem to urge the tapered end of the head against said seat when the piston abuts said stop member.

2,625,952

DISPENSING APPARATUS

Ole John Elde, John Arthur Johnson, and Clifford Ferdinand Milkwick, Anaconda, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
Application July 13, 1950, Serial No. 173,624
4 Claims. (Cl. 137-563)



1. Dispensing apparatus for liquids comprising a vessel, a vertical partition dividing the interior of said vessel into a reservoir compartment and a discharge compartment, a divider plate separating the lower portion of the discharge compartment into a dispensing chamber and an overflow chamber, an overflow weir formed adjacent the upper edge of said vertical partition providing for the overflow of excess liquid from said reservoir to said overflow chamber, an outlet pipe communicating through said partition with the interior of said reservoir compartment, a swing pipe connected to said outlet pipe in the discharge compartment and movable through an arc of travel across the upper edge of the divider plate from the dispensing chamber to the overflow chamber, means for holding the swing pipe in any chosen position in its arc of travel, and a delivery conduit communicating with the interior of the dispensing chamber for withdrawing liquid discharged from the reservoir compartment through the swing pipe into the dispensing chamber.

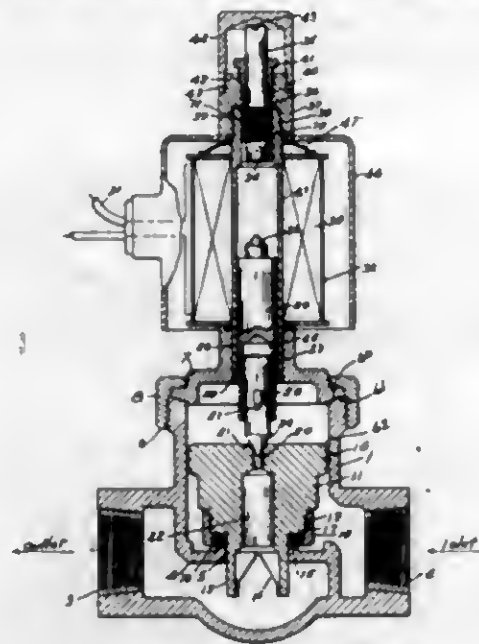
2,625,953

SELF-CLOSING VALVE

Wesley G. Miller, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application January 2, 1947, Serial No. 719,906
6 Claims. (Cl. 137-657)

1. A self-closing valve comprising a valve body having an inlet and an outlet and a partition between said inlet and said outlet having a centrally disposed aperture, a stepped piston reciprocable in said valve body having an axially extending control orifice with a countersunk seat in the large end thereof, said control orifice being comparatively short and having one end thereof enlarged, a reduced guiding portion on the small end of said stepped piston with inverted V-shaped slots circumferentially disposed therearound in spaced relationship movable in the aperture in said partition, the clearances between the outermost side of said piston and the inner wall of said valve body and the outer side of said guiding portion and the inner side of said aperture

in said partition being predetermined, a reciprocable plunger having a tapered seating surface

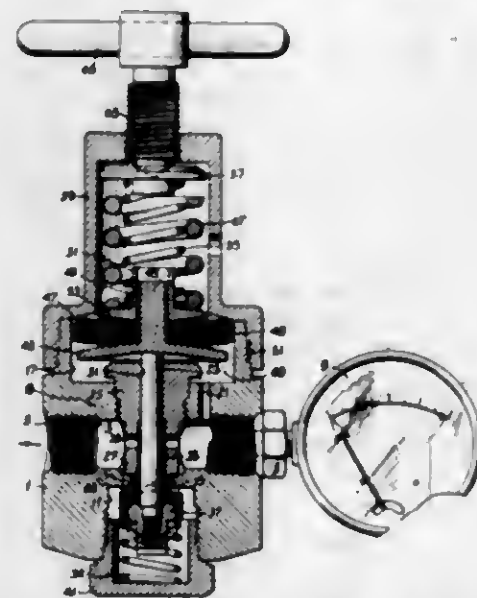


for engagement with the countersunk seat in the end of said piston, and an armature of a solenoid associated with said plunger for actuating same.

2,625,954

DIAPHRAGM DEVICE

Victor G. Klein, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application November 29, 1948, Serial No. 62,530
5 Claims. (Cl. 137-790)

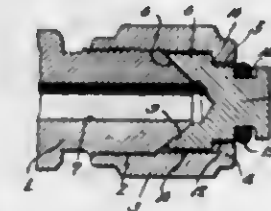


1. In combination, a body having an opening and a diaphragm closing the opening and adapted for flexing movement therein, said diaphragm comprising a normally substantially flat disc of flexible resilient material of substantial thickness having a rounded peripheral edge and adapted, in flexing, to assume a dish form wherein its center is displaced axially with respect to its edge, said disc being fitted in the opening under sufficient radial compression to maintain the rounded peripheral edge in sealing engagement with the wall of the body in the opening, without any substantial buckling of the disc due to its substantial thickness, the edge of the disc, as fitted in the opening, retaining its rounded form, said wall, in the region of the rounded edge, being formed to allow for rolling contact of the rounded peripheral edge with said wall as the diaphragm flexes, sealing engagement being maintained between said edge and said wall without any substantial binding or sliding of the disc.

2,625,955

CLOSURE CAP FOR TUBE FITTINGS

Clarence P. Day, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application March 25, 1946, Serial No. 656,860
7 Claims. (Cl. 138-89)

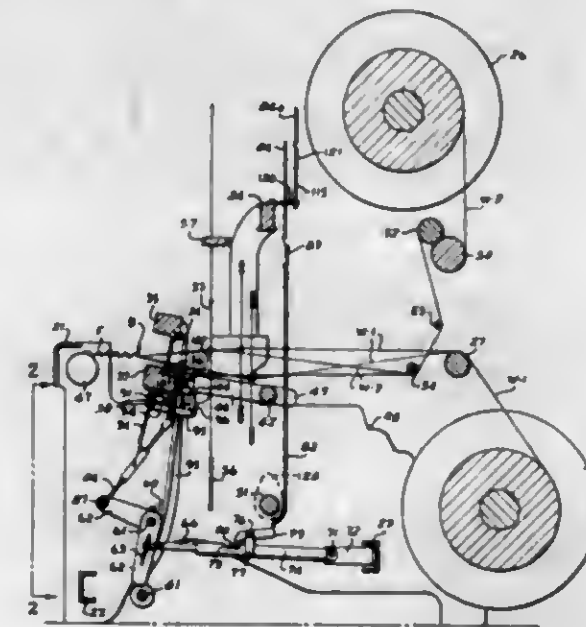


1. A closure assembly for a tube fitting having a tapered seat adapted to receive the flared end of a tube comprising a nut having a threaded connection with the fitting, a closure cap disposed within said nut and having a sealing surface shaped to conform to the seat on the fitting for the closing of the fitting when the nut is threaded onto the same, said nut having an opening surrounded by a flange adapted to engage the closure cap, said closure cap having an extension projecting through the nut opening and a deformable ring gasket carried by said extension and serving as a retaining ring for detachably securing the cap and nut together as a unit when detached from the fitting.

2,625,956

LOOP WARP TENSION-VARIABLE BEAT-UP APPARATUS FOR TERRY LOOMS

Theodore C. Sippel, Rock Hill, S. C., assignor to Edinburgh Corporation, Laurinburg, N. C., a corporation of North Carolina
Application September 25, 1950, Serial No. 186,531
3 Claims. (Cl. 139-26)



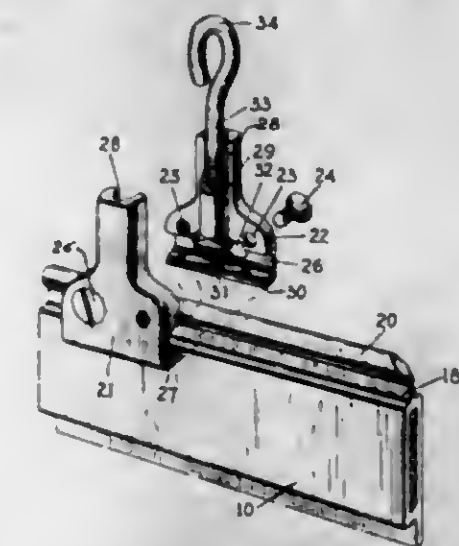
1. In combination with a loom for weaving looped fabrics and having means for taking up the fabric woven in the loom, said loom having an oscillatable lay and also having a reed cap pivotally supported in spaced relation to the lay and also having a reed supported by the reed cap for pivotal movement therewith, said loom having oscillatable swords thereon for supporting the lay and the reed cap and means for directing loop warp yarns to said reed; pattern controlled means for swinging the reed to occupy different positions

relative to the lay upon certain beat-up strokes thereof comprising a lever pivoted on the lay and being pivotally connected at one end thereof to the reed, a toggle leverage means pivotally connected to the other end of the lever, a traverse bar, a tubular member pivotally supported by the loom and in which the traverse bar is adapted to have longitudinal movement, said traverse bar having a notch therein, pattern controlled latch means carried by the tubular member for engaging the notch in the traverse bar at predetermined intervals, a pivot shaft oscillatably supported intermediate the ends of the swords, at least one first crank arm fixedly mounted on said pivot shaft, the free end of the first crank arm having a mechanical connection with said toggle leverage means, a second crank arm fixed on the pivot shaft and to which one end of the traverse bar is pivotally connected and spring means normally holding the second crank arm in such a manner as to cause a normal beat-up stroke to be imparted to the reed upon each beat-up stroke of the lay whereby, upon said latch means engaging the notch in the traverse bar, the traverse bar will cause the second crank arm to which it is connected to rotate the pivot shaft during forward movement of the swords to, in turn, impart movement to the first crank arm and the toggle leverage means and thus to the lever for swinging the reed rearwardly relative to the lay upon a beat-up stroke thereof to cause the reed to beat-up the weft yarn in spaced relation to a previously beat-up weft yarn.

2,625,957

SUSPENDING MEANS FOR HARNESS FRAMES

Paul C. Consoletti, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application March 3, 1950, Serial No. 147,473
10 Claims. (Cl. 139-88)



10. For a loom harness frame having top and bottom rails the outer portions of which terminate in beaded longitudinal ribs, a harness connecting means which comprises opposed clamp members, complementary rib bead engaging surfaces in said members, a looped harness attaching means, cooperating grooves in said clamp members disposed at right angles to the bead engaging surfaces, said grooves being of such size and extent as to restrain a portion of said looped attaching means, and complementary interengaging means forming parts of the clamp members and of the looped attaching means for preventing withdrawal of the latter from the former when the clamp means are attached to a beaded rib of a harness frame.

2,625,958

LOOM HARNESS

John J. Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 24, 1949, Serial No. 94,957
7 Claims. (Cl. 139-92)



1. A loom harness frame comprising hollow metallic top and bottom rails connected at their ends by side struts, each of said rails having a flange portion extending inwardly toward the center of the frame, a bar carried by each of said flanges in spaced relationship therewith, slide hooks mounted on said bars, heddle rods supported intermediate their ends by said hooks, and heddles mounted on said rods.

2,625,959

NEEDLE LOOM

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 5, 1950, Serial No. 160,166
40 Claims. (Cl. 139-124)



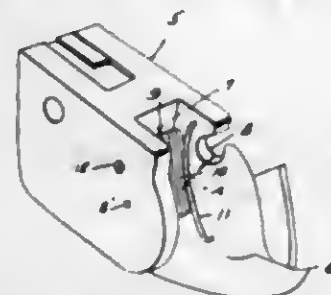
11. In a needle loom, two weft needle members each having a weft eye, one needle member on one side of the warp threads and cloth and the other needle member on the other side, a primary

rotary means for each needle member continuously turning a part of the latter in a circle, both primary means turning at the same speed, a floating pivot means for each needle member connected to a part of the latter spaced from the associated primary means, link means joining the floating pivot means, the link means being movable back and forth from one range of movement to another range of movement, and secondary rotary means turning continuously at half the speed of the primary means operatively connected to said link means locating the latter in one range for one rotation of each of said primary means and locating said link means in the other range for the next rotation of said primary means.

2,625,960

SHUTTLE FILLING GUIDE AND TENSIONING DEVICE

Paul E. Dean, Spartanburg, S. C., assignor of one-half to A. L. Lokey, Gaffney, S. C.
Application April 5, 1951, Serial No. 219,455
1 Claim. (Cl. 139-217)

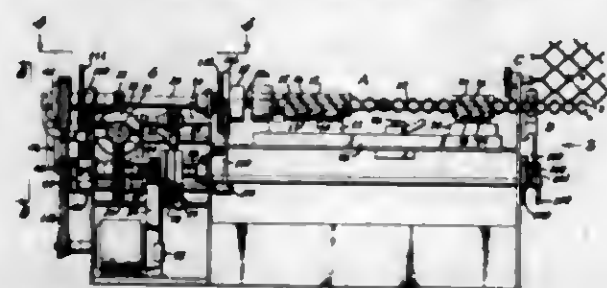


A shuttle block comprising a body having a forwardly extended nose piece over which shuttle filling passes, said body having a vertically disposed cut-out portion arranged adjacent to the nose piece, a pair of supporting pins disposed horizontally across the cut out portion of the shuttle block, means for removably holding said pins in position, a length of wire material looped around said pins providing a plurality of spaced spring loops between which filling from a shuttle is fed, and a guide wire extending into the wall of the cut out portion and overlying certain of said loops, holding the filling passing between loops in spaced relation with the wall of the cut out portion.

2,625,961

WIRE NETTING MACHINE

Frank Bergandi, Los Angeles, Calif.
Application September 16, 1946, Serial No. 697,187
5 Claims. (Cl. 140-92.6)



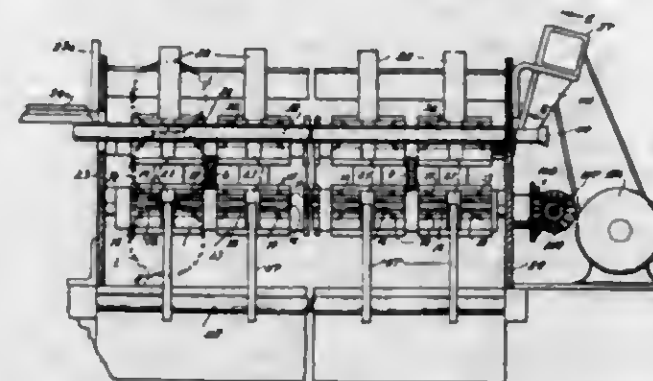
3. A wire netting machine comprising, a frame, a slide lengthwise adjustable on said frame, two guides on said slide in axially spaced relation to each other, each guide consisting of two identical uniformly spaced interwoven helical coils, a driven shaft, a chuck on the end of said shaft composed of two relatively angularly adjustable members, a mandrel seated in said chuck for rotation therewith, means for feeding two strands

of wire through the entrance to the coil spaces of the guide nearest said chuck on to said mandrel, means for rotating said shaft and mandrel continuously to draw the wires on to the mandrel through the spaces of said guides thereby to form two identical interwoven uniformly spaced coils of wire, a cut-off mechanism, means for angularly adjusting said chuck members correctly to align the mandrel angularly with said cut-off mechanism, means for relatively adjusting the two coils of each guide axially, means for locking each coil in adjusted position on the slide, and means for clamping said slide in adjusted position.

2,625,962

SPRING ASSEMBLING MACHINE

Edward L. Bronstien, St. Paul, Minn., and John Norman Woodington, Chicago, Ill., assignors to United States Bedding Co., St. Paul, Minn., a corporation of Minnesota
Application January 24, 1949, Serial No. 72,282
16 Claims. (Cl. 140-92.7)



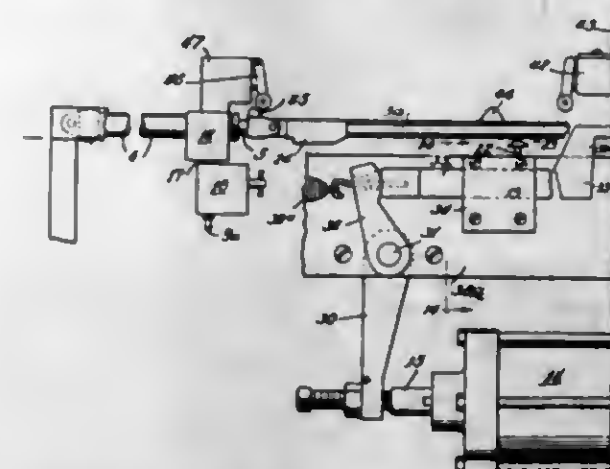
14. A spring assembling machine including a frame, a pair of intermittently movable carriers equipped with pairs of bars disposed in parallel opposed relation to each other, a row of blocks mounted upon each of said bars, the opposed faces of said blocks being equipped with formations for the reception of predetermined end-coil portions of rows of springs and with a tie-wire guide channel into which the predetermined end-coil portions of said spring are caused to project for encirclement by a helical tie-wire, movable mechanism including clamping bars adapted to move between said carriers and to close said guide channels, means to feed said tie-wire through said guide channels, each of said rows of blocks having associated therewith the following elements; a shaft mounted in the terminal block at one end of the row, a gear mounted on said shaft, a first rack member engaging said gear, a second rack member engaging said gear, said rack members being mounted in the terminal blocks at said one end, a rack bar mounted in the terminal blocks at the other end of the row, a rod extending along the row and connecting said rack bar to one of said rack members, reciprocable members mounted on said rack bar and on one of said rack members and extending into the tie-wire guide channels of the terminal blocks, cooperating means mounted in said tie-wire guide channels of said terminal blocks for crimping the ends of said tie-wires when said reciprocable member is moved, all of the elements associated with each row of blocks being carried by and movable with said carriers; a pair of plungers disposed at one end of the rows of blocks in horizontal alignment with a pair of said rows of blocks, said rack members, reciprocable members, gear, rod, and rack bar of a row of blocks on each carrier being moved by one of the plungers to crimp the ends of the tie-wires after the feeding means has encircled

the end portions of the rows of springs with the tie-wires, and means to cause said movable mechanism to actuate said plunger when said clamping bars are in a predetermined position.

2,625,963

SPRING ASSEMBLING MACHINE

Edward L. Bronstien, St. Paul, Minn., and John Norman Woodington, Chicago, Ill., assignors to United States Bedding Co., St. Paul, Minn., a corporation of Minnesota
Application May 16, 1950, Serial No. 162,252
7 Claims. (Cl. 140-92.7)



1. Pneumatic actuating mechanism for use with a spring assembling machine having clamping bars and a tie-wire trimming mechanism, which pneumatic actuating mechanism operates the clamping bars and tie-wire trimming mechanism, said pneumatic actuating mechanism comprising a first cylinder equipped with a reciprocable first piston connected with one end of the clamping bars, a manually operated plural way valve having an exhaust port and connected with a source of supply of compressed fluid and with the ends of said first cylinder, a first valve casing connected between said plural way valve and one end of said first cylinder, a first check valve in said first casing adapted to be opened when pressure is supplied to said first casing from said plural way valve, a needle valve disposed within a first duct paralleling said first check valve, said needle valve being open at all times, a second valve casing connected between said plural way valve and the other end of said first cylinder, a second check valve in said second casing adapted to be opened when pressure is supplied to said second casing from said plural way valve, a third check valve disposed within a second duct paralleling said second check valve, said third check valve being adapted to be opened when the pressure in said other end of said first cylinder is greater than the pressure in the connection of said plural way valve to said second casing, a plunger disposed in said second casing and engaging said second check valve, a rib movable with said clamping bars and adapted to engage said plunger to hold said second check valve open when said clamping bars and said first piston are moved to substantially the limit of their movement toward said one end of said first cylinder, a second cylinder having a second piston engaged to operate the tie-wire trimming mechanism, a spring maintaining said tie-wire trimming mechanism and said second piston normally in inoperative position, a pipe connecting said second cylinder with said plural way valve to permit actuation of said second piston of said second cylinder while said clamping bars are maintained by said first piston of said first cylinder at one limit of its movement.

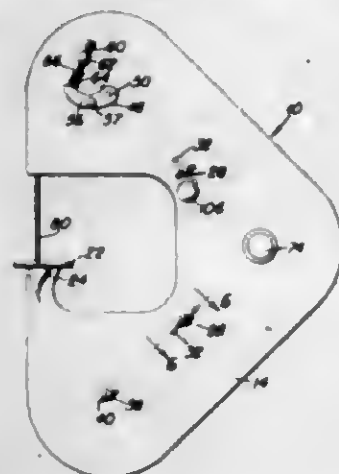
2,625,964

HAND BAND SAW

Wesley R. Green, Los Angeles, and Vietta E. Long, Inglewood, Calif.

Application March 1, 1950, Serial No. 147,096

2 Claims. (Cl. 143-21)



2. In a band saw, a pair of C-shaped plates, means connecting said plates together in laterally spaced relation, shafts extending transversely through said plates, guide wheels on said shafts between said plates, a band saw trained around said wheels, a motor having a shaft operatively connected to one of the first-named shafts, and means supporting said motor for adjustment transversely and longitudinally of said one shaft comprising an angle bracket having a pair of arms with slots in one arm and bolted through said slots to one of said plates for adjustment transversely of said one shaft, a channel member on the arm of said brackets slidably adjustable thereon longitudinally of said one shaft, means to retain said channel member in adjusted position, and a clamp surrounding said motor and channel member and securing the same together.

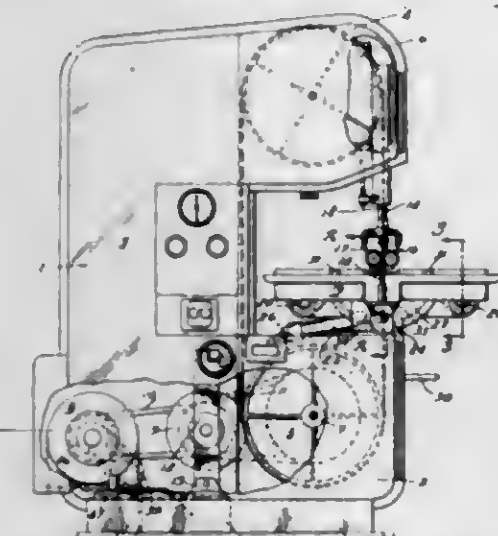
2,625,965

WORKTABLE FEEDING MECHANISM FOR BAND SAW MACHINES

Robert L. Crane, Glen Lake, Minn., assignor to Continental Machines, Inc., Savage, Minn., a corporation of Minnesota

Application May 10, 1950, Serial No. 161,056

1 Claim. (Cl. 143-25)



In a band saw machine, a frame including a base portion, a vertically disposed column and a head overhanging said base portion in vertically spaced relation thereto at one side of said column, a bracket supported on the base portion beneath the overhanging head, a work-holding

table slidably supported on said bracket, a pair of vertically aligned band carrying wheels respectively rotatably supported on said head and said base above and below said table, a cutting band operatively engaged over said wheels, a horizontally elongated vertical slot in said table through which said band moves, fluid pressure operating means for imparting reciprocatory feeding and return movements to the table, said fluid pressure operating means comprising a cylinder rigidly supported by said bracket with its axis disposed parallel to the direction of said reciprocatory movements of the table, a piston rod in said cylinder with one end thereof projecting from one end of the cylinder, an arm having one end thereof secured to said projecting end of the piston rod and its opposite end connected to the table, a fluid reservoir disposed in said base, a pump supported by said frame and disposed above said reservoir for delivering fluid under pressure from said reservoir to said cylinder, and control means regulating the speed of feeding movement of the table toward and pressure of the workpiece against the cutting band, said control means comprising a manually operated metering and reversing valve on said frame and a manually operated pressure control valve on said frame, said valves being operatively associated with said cylinder and pump, a pressure relief valve between and in communication with said metering and reversing valve and said pressure control valve, a manually operated control knob for said pressure control valve, a single manually operated control knob for said metering and reversing valve, each of said valves being operable independently of the other thereof, whereby to control selectively the speed of feeding movement of the table irrespective of the feeding pressure, or the feeding pressure irrespective of the speed of feeding movement.

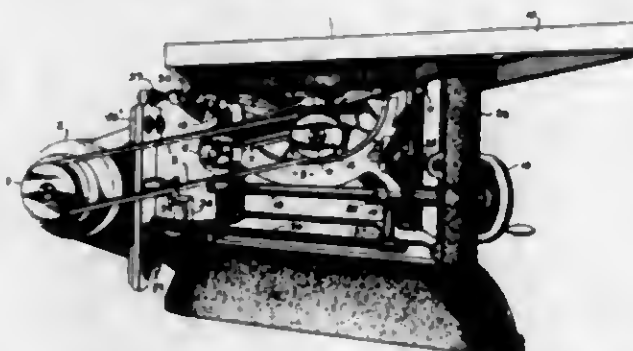
2,625,966

MOTOR AND BELT DRIVE FOR TILT ARBOR SAWS

William G. Copp, Guelph, Ontario, Canada, assignor to The Callender Foundry & Manufacturing Company, Limited, Guelph, Ontario, Canada, a corporation

Application June 1, 1951, Serial No. 229,325

12 Claims. (Cl. 143-36)



1. A machine tool construction comprising a frame structure defining a plane work surface, a cradle pivotally supported beneath the work surface about a tilt axis lying substantially parallel to and close to the work surface, a journal portion in the cradle, an arbor journaled in said portion and adapted to carry a tool for rotation in a cutting plane containing the tilt axis and intersecting the work surface, a pulley non-rotatably mounted on the arbor, control means for pivoting the cradle, a mounting plate for attachment thereto of a motor equipped with a pulley effecting a belt drive of the arbor pulley, guides slidably supporting the mounting plate

behind the frame and below the work surface, the said guides being obliquely arranged to provide for a rearward translation of the plate simultaneously with lateral translation thereof, and an auxiliary linkage directly connected between the control means and the plate for effecting lineal translation of the plate on the guides when the arbor is tilted.

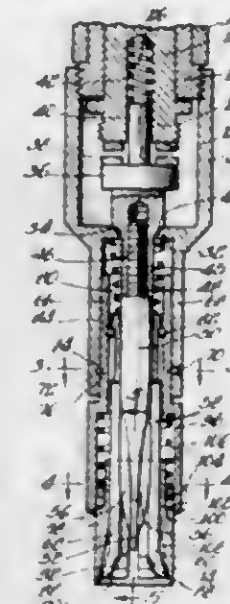
2,625,967

SCREW-HOLDING AND SCREW-DRIVING TOOL

John S. Stull, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application December 19, 1949, Serial No. 133,889

6 Claims. (Cl. 144-32)



1. A power driven screw driver for use with screws having heads with a predetermined maximum diameter, comprising rotary driving means, a driving clutch member operatively connected to said driving means, a driven clutch member, resilient means normally holding said driving and driven clutch members out of engagement, a screw driving bit, collet means including a plurality of yieldable fingers surrounding said bit, said collet means having an internal portion of greater diameter than said predetermined maximum diameter and shoulders extending inwardly from the tips of said fingers beneath said internal portion to underlie the head of said screw loosely to retain the same, resilient means normally urging said yieldable fingers forwardly of said bit, means providing for relative axial motion of said bit and said fingers, a collar surrounding said fingers for retaining said fingers against yielding, resilient means normally urging said collar forwardly of said fingers in retaining position, said collar being forced backwardly into non-retaining position by abutment against a screw support, said fingers being forced backwardly by abutment against a screw to engage the screw with said bit, and engagement of said bit with a screw forcing said driving and said driven clutch members into engagement.

2,625,968

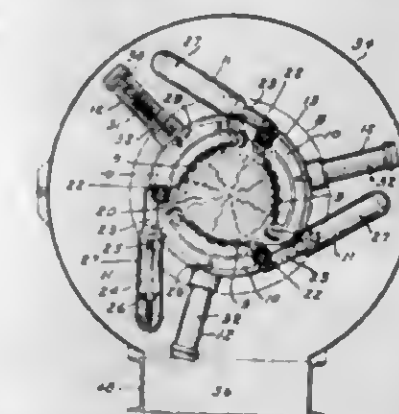
MECHANICAL LOG BARKER

Henrik Jarl Eklund, Wausau, and Clarence W. Miller, Eland, Wis., assignors to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin

Application April 21, 1949, Serial No. 88,726

5 Claims. (Cl. 144-208)

1. In a log barker, a rotor having thereon a lever provided with a fulcrum and an end swing-



relative to the rotor axis, means tending to swing said element and said lever end away from the rotor axis when the rotor is at rest, means associated with the opposite end portion of said lever for causing said element to swing toward said axis when said rotor is revolving, and means for feeding a log axially through said rotor and for revolving the latter.

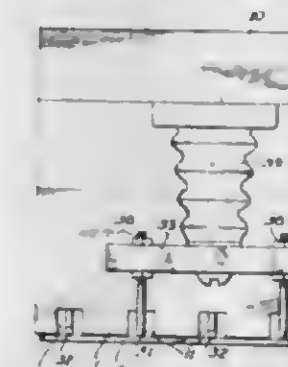
2,625,969

PATCH GLUER UTILIZING HIGH-FREQUENCY ELECTRICITY

Jullus W. Mann, Stellacoom Lake, Wash.

Application April 2, 1948, Serial No. 18,542

10 Claims. (Cl. 144-281)



1. A patch gluer or the like comprising a block of dielectric material having parallel, spaced grooves in one face, an electrode in each groove, spaced at all points from the block, but disposed substantially coincident with the surface of the block's work-opposing face, and means connecting the electrode in one such groove to one terminal and the electrode in another such groove to the opposite terminal of a high frequency discharge source.

2,625,970

MULTIPLE-BAR GLUING CLAMP

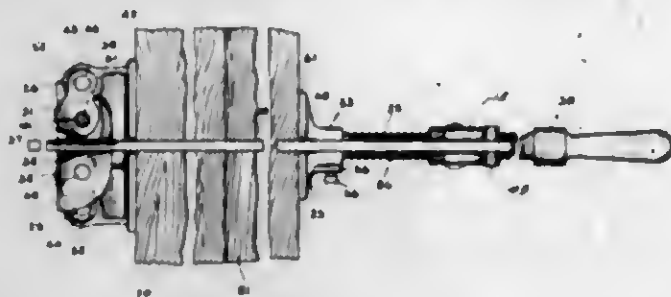
Max E. Wetzel, Flushing, N. Y.

Application September 16, 1949, Serial No. 116,160

3 Claims. (Cl. 144-303)

1. A clamp including a bar having thereon a fixed bracket and a sliding bracket in spaced relation longitudinally of the bar, an adjustable jaw movable longitudinally on the bar between said brackets, operating means carried by the fixed bracket for moving the adjustable jaw, a floating jaw movable on and with said sliding bracket in opposition to the adjustable jaw,

gripping elements pivoted intermediate their ends on the sliding bracket at opposite sides of the bar, each gripping element having at its outer end a pivoted connection to the floating



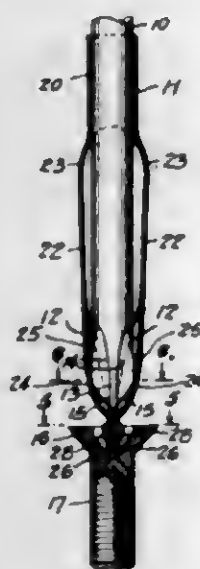
jaw and at its inner end a cam surface engaging a face of the bar, and both pivotal axes of each gripping element being parallel to the bar face engaged by its cam end.

2,625,971

SCREW HOLDING ATTACHMENT FOR CRUCIFORM BIT SCREW DRIVERS

Leo E. Bier, Los Angeles, Calif.

Application December 18, 1950, Serial No. 201,361
4 Claims. (Cl. 145-50)

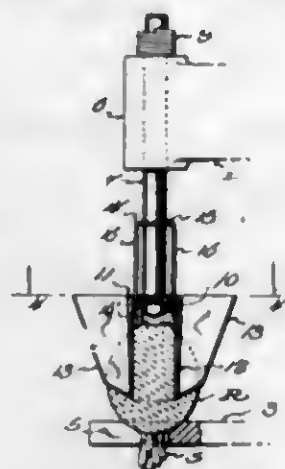


1. A screw holding device for a screw driver of the type having its shank fluted longitudinally at circumferentially spaced locations to provide a plurality of intervening vanes co-acting to define a bit having the shape of a cross in transverse section for use with screws having intersecting recesses forming complementary cross shaped kerfs, which comprises: a support having opposed resilient arms adapted to be mounted on the driver shank and provided with holding tips on their free ends urged together for insertion into one of said recesses of the screw kerf; said arms having cam portions with which vanes of the driver shank are adapted to co-act when the driver is axially advanced relative to the device, to flex said arms outwardly and spread said tips for engagement of the latter with the walls of said one of the recesses of the screw kerf, so as to hold the screw on the screw driver for manipulation thereby; said tips having laterally outward projecting portions adapted to enter the other of said recesses of the screw kerf for co-action therewith in preventing tilting movements of the driver relative to the screw in directions parallel to the plane of said one of the recesses of the screw kerf.

2,625,972 CUTTER FOR PRODUCING RADISH ROSETTES

Franklin Torres, Milwaukee, Wis.

Application September 30, 1949, Serial No. 118,948
1 Claim. (Cl. 146-159)



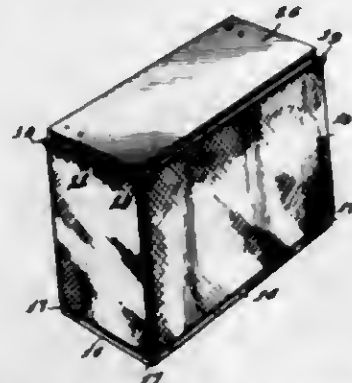
A tool of the character described comprising, a stand including a supporting table, a spring urged manually operable plunger journaled in said stand for reciprocative vertical movement, a cutter head secured to the bottom of said plunger and consisting of a cylindrical cutting blade provided with spaced radial blades, an ejector slidably mounted on the exterior of said plunger and provided with depending arms extending into said cylindrical cutting blade for automatically and positively ejecting objects from said cutter head upon return of said plunger to its normal inoperative position, and means mounted on said plunger for limiting its downward movement so that the cutter head is held in spaced relation to said supporting table to prevent complete severance of the work objects.

2,625,973

LAUNDRY HAMPER

John J. Weldon and Beryl L. Levitt, Chicago, Ill.

Application August 31, 1951, Serial No. 244,612
4 Claims. (Cl. 150-1)



1. A laundry hamper comprising a rectangular base frame, vertical base frame legs at each corner of said base frame, said legs being reduced in cross-section at their upper end portions, a rectangular top frame, vertical tubular top frame legs at each corner of said top frame, said tubular top frame legs removably telescoping the upper ends of said base frame legs, spaced bag suspending means on said top frame, a cover hingedly connected to said top frame, a pilable outer laundry bag, said bag having bottom openings to pass said base frame legs and means at the mouth thereof for removably engaging some of said bag suspending means, a plurality of smaller bags within said outer bag, said smaller bags having means at the mouths thereof for removably engaging some of said bag suspending means whereby said smaller bags are supported in open mouth

condition, and sorting legends on the underside of said cover in alignment with the respective smaller bags.

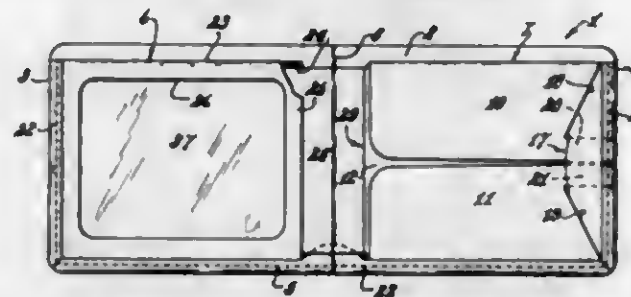
2,625,974

BILLFOLD HAVING AN EXPANSIBLE POCKET

Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts

Application September 2, 1949, Serial No. 113,760

2 Claims. (Cl. 150-38)



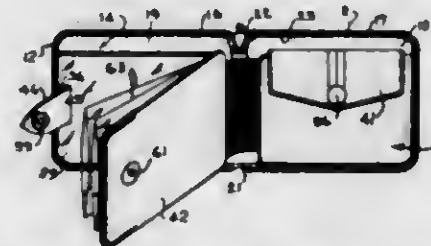
1. In a billfold having front and rear wall members, said front wall member comprising spaced end sections, at least one of said sections including an inner wall member connected at its outer end to the adjacent end of the rear wall and connected at its bottom to the bottom of the rear wall, an intermediate wall member overlying said inner wall member and connected at its outer end only to the adjacent end of the rear wall, an outer wall member connected at its top to the top of the inner wall and extending downwardly partway over the intermediate wall, a second outer wall member connected at its bottom to the bottom of the rear wall and extending upwardly partway over the intermediate wall, means connecting the adjacent outer corners of said outer wall members to the adjacent end of the rear wall, and a bridging member extending between said sections, one end of said bridging member extending between the inner wall member and the intermediate member.

2,625,975

FOLDABLE RECEPTACLE

Frank G. Dobbs and Stephan H. Dobbs, New York, N. Y.

Application August 15, 1950, Serial No. 179,426
6 Claims. (Cl. 150-38)



1. In a receptacle having a foldable outer cover including two sections foldable about a crease, in combination with, a wall having a portion secured to one of said sections and a second portion movable between a pocket forming position adjacent the other of said sections and across said crease and respectively a second position away therefrom to expose completely said crease, said second portion comprising two parts, latching means for releasably latching said parts together positively in said first position of said second portion, said other section including an extension having an edge disposed adjacent said other section and spaced therefrom to admit therebetween said first part for insertion therethrough prior to attachment to said other part, said edge being so posi-

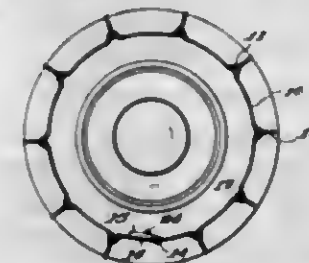
tioned and said parts being so dimensioned that upon latching said wall will be tensioned and said crease be spaced therefrom when said outer cover is unfolded.

2,625,976

NONSKID TIRE CHAIN ATTACHMENT

Charles H. Reynolds, Donora, Pa.

Application May 24, 1949, Serial No. 95,117
1 Claim. (Cl. 152-242)



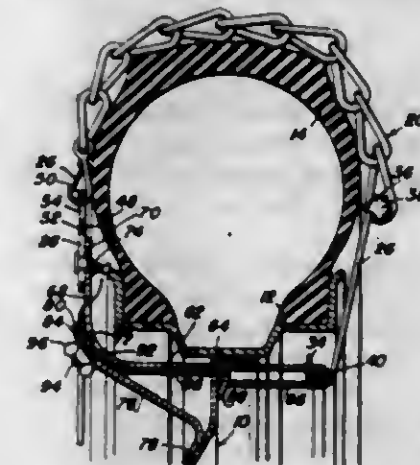
In a non-skid tire chain, the combination which comprises a ring adapted to be positioned on one side of a motor vehicle wheel tire, a complementary ring having a split therein adapted to be positioned on the opposite side of said tire and having an eye formed on one end thereof and a hook on the opposite end, said hook positioned to extend through the said eye, the end of the ring on which the hook is positioned having a cylindrical socket rigidly secured on one side thereof, a plunger slidably mounted in said socket and positioned to coact with the hook to complete an eye for retaining the first mentioned eye of the opposite end of the ring on the hook, a spring in the socket for urging the plunger outwardly, a button having a shank extended through a slot in the socket for retracting the plunger, said rings having spaced arcuate offsets therein, cross chains connecting the rings and having U-shaped links on the ends for mounting the cross chains in the offsets of the rings, and loops extended across the open sides of the off-sets and crimped into the openings of the offsets for retaining the links on the ends of the cross chains in the said offsets to provide free longitudinal swinging movement of said cross chains and to prevent accidental displacement of said cross chains on said rings.

2,625,977

ANTISKID CHAIN AND MOUNTING MEANS THEREFOR

George W. Caruolo, Westerly, R. I.

Application November 18, 1949, Serial No. 128,058
5 Claims. (Cl. 152-242)

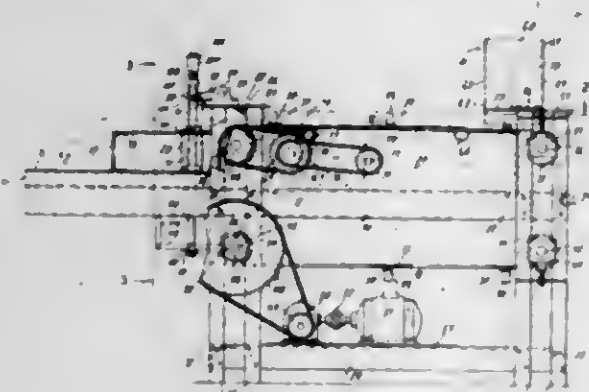


1. In a tire chain appliance the improvement comprising anchoring members positionable on opposite sides of the tire rim, chain sections transversely positionable over the tire and detachably connected to said anchoring members, anchoring

plates interposed between the ends of said chain sections of one side and the anchoring member on that side, said last-mentioned anchoring member being a resilient ring, said anchoring plates being provided with keeper hooks for retention on said ring, and said ends of the chain sections being pivotally secured to said anchoring plates at the sides opposite to said keeper hooks, interconnected ring plates interposed between the ends of said chain sections opposite to the first-mentioned ends and slidably maintained in spaced relation to the side wall of the tire, the juxtaposed ends of said chain sections being detachably secured to said ring plates.

2,625,978

INSULATED SHINGLE PRODUCING MACHINE
Robert Patterson, Memphis, Tenn., assignor to Multi Shingle Corporation, Memphis, Tenn., a corporation of Tennessee
Application March 23, 1949, Serial No. 83,007
16 Claims. (Cl. 154-1.6)



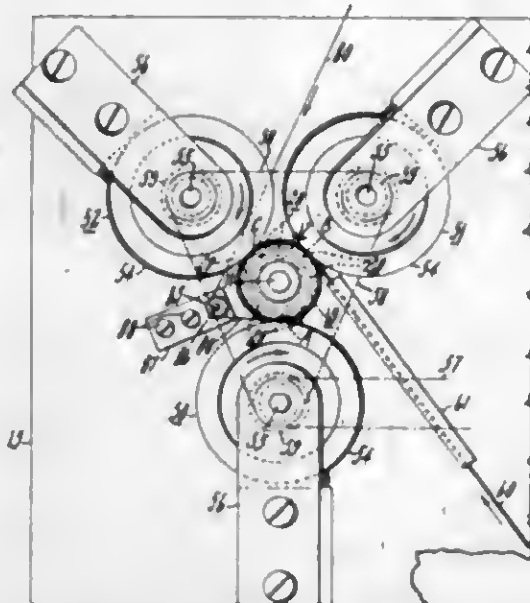
1. In a machine for producing insulated shingles, a conveyor mechanism having flights thereon adapted for moving insulation slabs in successive order from a stack thereof, a shingle supporting platform located beyond said conveyor mechanism for receiving the insulation slabs, transfer mechanism operated periodically by the conveyor flights during successive movement of the insulation slabs toward said platform, said transfer mechanism effecting a positive transfer of the insulation slabs from said conveyor to the shingles on said platform, a supply of adhesive material, and means in contact with the supply of adhesive for applying a coating of the adhesive material upon the insulation slabs as the same are moved by said conveyor, said applying means being positioned in the path of movement of the insulation slabs.

2,625,979

APPARATUS FOR MAKING FLEXIBLE HOSE
Edward P. Harris and Frederick W. Sampson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 3, 1950, Serial No. 193,801
7 Claims. (Cl. 154-6)

7. In an apparatus for wrapping a flat section tape into a helically wrapped hose structure, in combination, a mandrel around which said tape is helically wrapped, said mandrel comprising a stationary holder having a series of peripherally spaced rollers rotatably mounted on fixed axes thereupon in a generally cylindrical arrangement so that the outermost surfaces of said rollers delineate an imaginary cylindrical surface and form an effectively cylindrical wrapping surface for said mandrel, said rollers each having its own

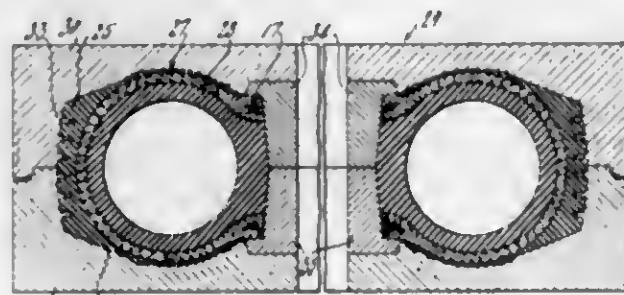
axis inclined relative to the line of generation of said imaginary cylindrical surface at the pitch



angle of the helix of the helically wrapped hose structure to be formed upon said mandrel.

2,625,980

METHOD OF MAKING PNEUMATIC TIRES
Martin Castricum, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 21, 1951, Serial No. 212,049
20 Claims. (Cl. 154-14)



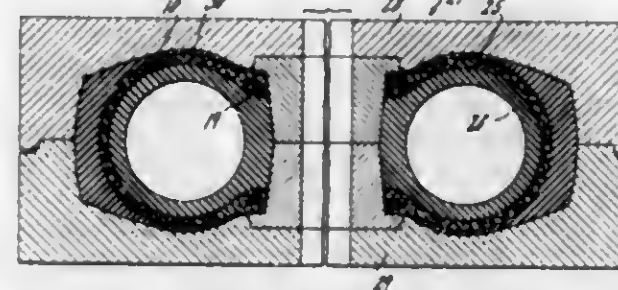
1. In a method of making a pneumatic tire including the steps of assembling vulcanizable rubber tread and sidewall portions and a carcass of rubberized stranded reinforcing elements overlapping inextensible beads, and subsequently vulcanizing the resulting assembly while stretching said stranded reinforcing elements, the improvement which comprises the step of fixedly anchoring said stranded reinforcing elements against slippage during said stretching by applying, in the bead areas of the reinforcing elements, a composition effective to render said areas relatively rapidly vulcanizable compared to the remainder of the assembly, and vulcanizing said areas prior to said stretching without vulcanizing the remainder of the assembly.

2,625,981

METHOD OF MAKING PNEUMATIC TIRES
Edward H. Wallace, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 21, 1951, Serial No. 212,159
19 Claims. (Cl. 154-14)

1. A method of making a pneumatic tire comprising the steps of assembling rubber tread and sidewall portions and a carcass of rubberized textile reinforcing elements, vulcanizing the carcass in the areas of the ends of said textile ele-

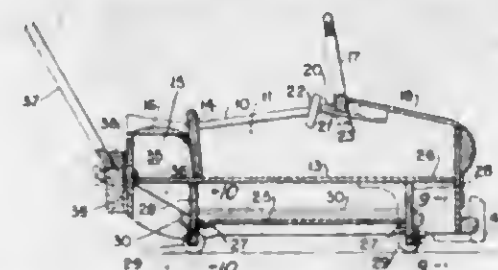
ments to fixedly anchor said elements against slippage, stretching said elements, and completely interconnecting the swivel members, rocker



ing vulcanization of the assembly while maintaining said elements in the stretched condition.

2,625,982

AUTO STROLLER
Albert Bulmash, Irvin J. Polansky, and Nathan C. Irby, Baltimore, Md.
Application November 27, 1948, Serial No. 62,302
1 Claim. (Cl. 155-22)



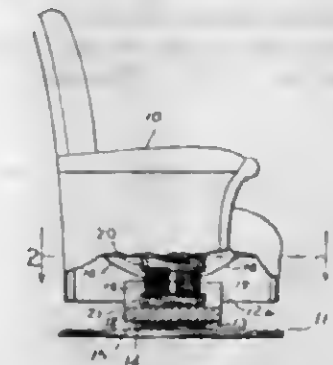
A child's vehicle comprising an enclosed body having an opening therein for the entrance of the child, a board extending from the front to the rear of the body and providing a seat at its front end, said seat having side openings for the legs of the child to extend therethrough, the back of the body, the back of the seat and the rear end of the board defining a storage compartment, a cover for said compartment hinged to the seat, a front bracket and a rear bracket secured to and beneath said board, a floor board removably secured to and extending between said brackets, whereby, when the floor board is removed, the child may walk directly on the ground, a pair of front and rear wheels mounted on each bracket, respectively, a pair of longitudinal runners, each runner having its opposite ends pivoted to the front and rear brackets, respectively, said runners being swingable to raise the wheels and the vehicle from contact with the ground, means associated with one of said brackets for securing the runners in operative and inoperative position, said means including a plate having slots therein and bolts extending through the adjacent ends of the runners and through said slots, and a handle secured to one end of the vehicle whereby the latter may be propelled.

2,625,983

COMBINATION ROCKING AND SWIVELING CHAIR

Louis Raymond Slyter and Trebor C. Maule, Tacoma, Wash.
Application September 21, 1949, Serial No. 116,884
5 Claims. (Cl. 155-54)

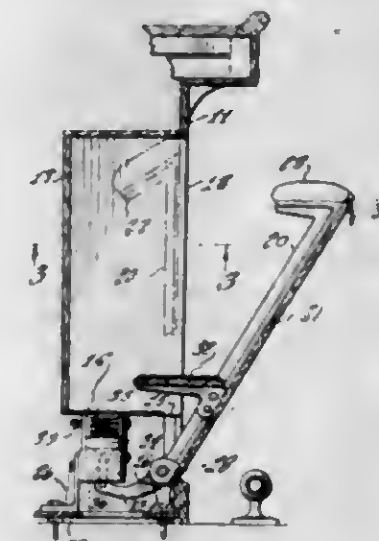
3. A rotary rocking chair comprising a circular substantially flat base adapted to rest flat on the floor, a rocker platform, the rocker platform having on opposite sides thereof a pair of upstanding side pieces, a first swivel member attached to the upper side of the base, a second swivel member attached to the under side of the platform, a bearing race interposed between the



means resting on the rocker platform side pieces, a chair seat, and means for attaching the chair seat to the rocker means.

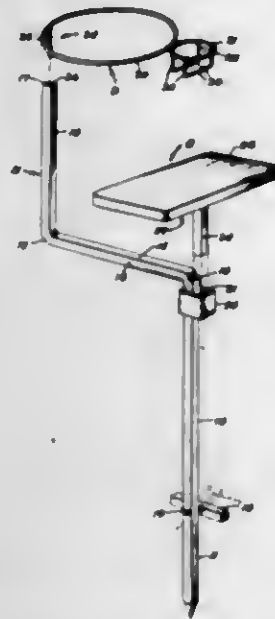
2,625,984

DISAPPEARING CHAIR OR STOOL FOR BARS, COUNTERS, OR THE LIKE
Edward W. Schweikert, New York, N. Y.
Application January 19, 1951, Serial No. 206,763
1 Claim. (Cl. 155-80)



In combination, a wall having a recess therein, a stool including a frame having a seat at the upper end thereof, the lower end of said frame being pivotally mounted on a horizontal axis positioned approximately in the plane of said wall under said recess, a cylinder mounted under said recess spaced from said lower end of said frame, a piston slidably mounted in said cylinder, a compression spring mounted in said cylinder between the head end thereof and said piston thereby normally urging said piston toward the tail end of the cylinder, said piston having a link connected at one end to the tail end thereof, said lower end of said frame having an arm extending therefrom and having the other end of said link connected to the extremity thereof, the wall of said cylinder having a relatively large vent therethrough positioned between the midpoint of the cylinder wall and said tail end of the cylinder, said cylinder having two spaced relatively small vents therethrough near the head end thereof, one of said small vents having a spring actuated normally closed valve therein, said valve having means including a spring for opening the same upon movement of said piston toward said head end of the cylinder and at any other time when the pressure within the cylinder exceeds atmospheric pressure, swinging of said frame outward from said first-named wall compressing said spring, and means limiting the movement of said frame toward said first-named wall to a position wherein said frame is flush with said first-named wall.

2,625,985
COMBINATION SEAT AND RACK SUPPORT
 Albert M. Morgan and Alpha G. Morgan,
 Bozeman, Mont.
 Application July 19, 1949, Serial No. 105,522
 3 Claims. (Cl. 155-124)

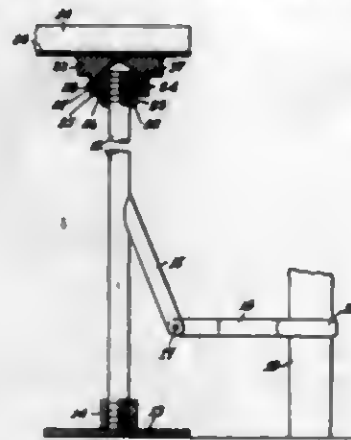


3. A combination seat and rack support including a one-piece pedestal comprising a single length of bar stock formed into a bayonet shape comprising a lower portion having a ground insertable lower end and with said lower portion having a plurality of substantially flat side faces, an elongated seat structure-supporting portion projecting from the upper end of the lower portion, and an upper rack-supporting portion with its longitudinal axis projecting substantially parallel with the longitudinal axis of the lower portion; a seat structure including a seat and a bracket including a bracket portion projecting downwardly from said seat and having a plurality of substantially flat faces; and means detachably connecting the seat structure and pedestal comprising a hollow member secured to said lower portion and having a plurality of flat faces defining an opening snugly accommodating both a part of said lower portion and a part of said bracket with said parts being in intimate side-by-side contact at a substantially flat face of each, parts of others of said flat faces of said hollow member being in contact with parts of others of said flat faces of said lower part; said member being secured to said lower portion at said parts of said others of said flat faces of said hollow member and lower portion.

2,625,986
TABLE FOR DETACHABLE CONNECTION TO CHAIRS
 Bertram Siff, New York, N. Y.
 Application December 19, 1950, Serial No. 201,565
 1 Claim. (Cl. 155-128)

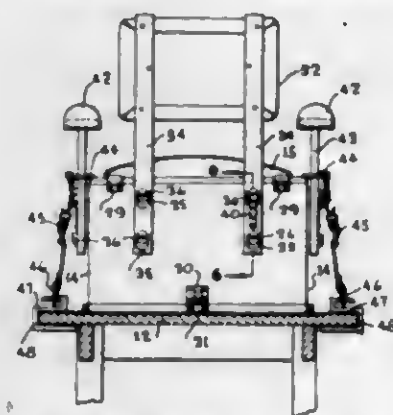
In a device of the class described, a table top, a bracket having a vertical bore and being solidly secured to said table top, a sleeve turnably mounted in said vertical bore, an upright supporting the table top and being screwed into said sleeve, a set-screw arranged through the side of the latter and adapted to secure said upright in a desired position relative to the sleeve, said sleeve having a plurality of dents annularly arranged therein, the bracket being formed with a lateral bore, a ball arranged in said lateral bore and adapted for engagement with a dent in said sleeve, a spring disposed in said lateral bore and actuating said ball, and a screw securing said

spring in position and controlling the pressure of the latter relative to said ball for the engagement



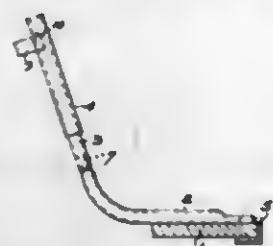
ment with a dent in the sleeve, and means for connecting said table top to a chair.

2,625,987
CHILD'S SEAT
 Melville G. Hunter, Leesburg, Fla.
 Application July 7, 1950, Serial No. 172,469
 3 Claims. (Cl. 155-131)



1. A child's chair adapted to be attached to the seat of a larger chair, said child's chair comprising a hollow rectangular body, a shelf member slidably mounted in the lower portion of said body and being movable to a forwardly extending position with respect to said body, an upstanding back rest detachably secured to the rear wall of said body, and respective resilient detent members secured to the sides of said body and being lockingly engageable with the side edges of said shelf member.

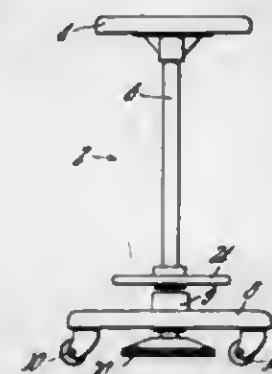
2,625,988
BACK REST FOR PLANKLIKE SEATS
 Ronald MacMillan, Windsor, Ontario, Canada
 Application March 1, 1949, Serial No. 79,012
 1 Claim. (Cl. 155-133)



A back rest including two lower tubular members adapted to lie transversely and in spaced relation across a plank-like seat, the rear extremities of the lower tubular members being rearwardly and upwardly inclined, a substantially U-shaped engaging member mounted on the front extremity of each lower member and projecting therefrom to engage the front margin

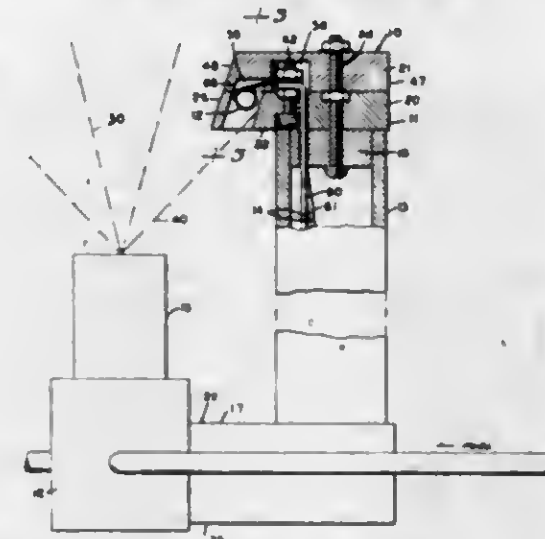
of the seat, substantially vertical upper tubular members extending upwardly from said rear extremities, the adjacent extremities of the upper and lower tubular members fitting one into the other to rigidly support the upper members, a flexible tubular back support closed at its upper extremity mounted over both the upper tubular members, and a resilient brace each end of which is in detachable engagement with a slot formed in one of the upper members to hold the latter in spaced relation, said flexible back support being slotted adjacent each side for the passage of the brace therethrough to prevent accidental detachment of the back support.

2,625,989
ROLLING STOOL HAVING MEANS TO LOCK IT AGAINST ROLLING
 Kenneth H. Pond and Frederick Rogers,
 Springfield, Mass.
 Application May 16, 1951, Serial No. 226,628
 7 Claims. (Cl. 155-134)



1. A stool construction comprising in combination, a support provided with rollers for rolling along the floor for transporting said construction, a post having a seat on its upper end and being reciprocable vertically relative to said support between upper and lower positions and provided on its lower end with a supporting base adapted in lower position of said post to bear on a floor and support said post and hold said support against rolling, releasable means for holding said post and supporting base in upper position, and means for releasing said means.

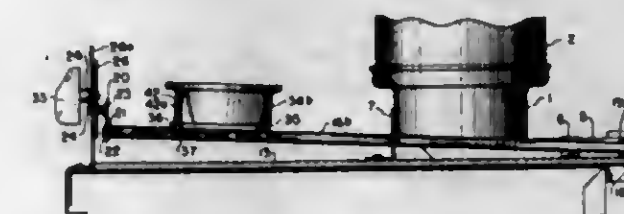
2,625,990
ATOMIZING OIL BURNER AND IGNITION MEANS THEREFOR
 George D. Smith, Brooklyn, N. Y.
 Application September 8, 1947, Serial No. 772,761
 1 Claim. (Cl. 158-28)



In an oil burner the combination of a burner element having an nozzle, an ignition device, a

support for joining and permanently holding said burner element and said ignition device in fixed off center relation to each other, said ignition device including a standard and a cap therefor, said cap member forming a relatively short unrestricted recess which has its opening forwardly of and pointed toward the nozzle of said burner element, a hot wire igniting element mounted in said recess near the closed end thereof to protect said igniting element from foreign particles and air currents tending to cool said element, means for supplying fuel under reduced pressure to said nozzle to atomize said fuel and to spray it in a predetermined wide cone area at the start of fuel supply to said nozzle and in a narrower predetermined cone area when the fuel pressure at the nozzle has reached its equilibrium value, said igniting element being within said wide cone area whereby it is in direct unobstructed line with a portion of atomized fuel of said wide cone at the start, whereby said atomized fuel emerging from said nozzle at the start is partly intercepted by said recess of said ignition device and whereby said igniting element receives and ignites some of said atomized fuel in said recess, said recess also constructed to act as a chamber with its axis so directed as to direct ignited atomized fuel into igniting relationship to the remainder of the atomized fuel issuing from said wide cone area of said burner nozzle, said ignited fuel in said recess upon expanding being forcibly ejected from said recess into the main atomized fuel stream to ignite the same, said ignition device being entirely outside the narrower fuel cone area during normal operation.

2,625,991
FUEL FEED CONTROL FOR LIQUID FUEL RANGES
 William L. Gappa, West Allis, and Christian E. Buerki, Milwaukee, Wis., assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a corporation of Wisconsin
 Application July 30, 1949, Serial No. 107,794
 7 Claims. (Cl. 158-42)



1. In a device of the character described, a liquid fuel reservoir constructed and arranged to maintain a constant liquid level, a main liquid fuel discharge and supply conduit in communication therewith in which the said level is maintained, a plurality of burners, a relatively inflexible uninterrupted burner supply conduit for each burner in open communication with said main conduit and burner fixed to said main conduit at one end and to the burner at a point distant therefrom and supporting the burner, means for raising and lowering each burner conduit adjacent the burner by forcibly flexing it on its connection with the main conduit and thereby varying its position and the position of the burner with respect to the maintained liquid level, said means comprising a member fixed to the burner conduit and projecting therefrom and a manually operable cam device in engagement with said member whereby movement of the cam device causes vertical movement of said member, the burner conduit and burner.

2,625,992
**MULTIPLE GROUP GAS BURNERS WITH
 INDEPENDENT FUEL AND SECONDARY
 AIR SUPPLIES**

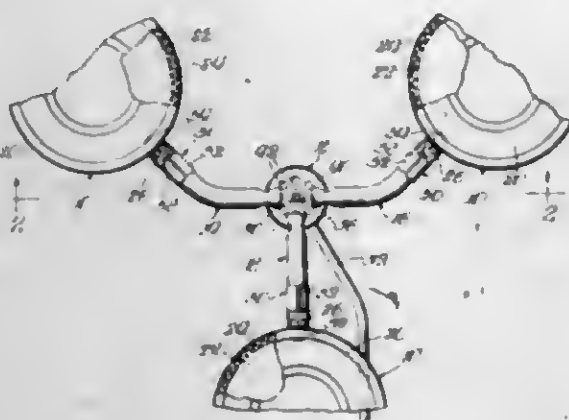
Vernon S. Beck, St. Louis, Mo.
 Application June 30, 1949, Serial No. 102,370
 3 Claims. (Cl. 158-105)



1. An integrally built burner unit for insertion in furnaces comprising an enclosing air box having a top and inside baffles dividing the box into separate plenum chambers connected individually with openings through one end wall of the box, individual draft controls in said openings, a fuel header in each plenum chamber communicating with the outside of the box, pipes branching from the headers and located by groups in the respective plenum chambers and having fuel outlets, said top of the box having socket-forming openings above said fuel outlets, removable gravity held burners having mixing pipes insertable into said socket-forming openings for cooperation with said fuel outlets and arranged to accept primary air from the plenum chambers along with fuel from said outlets, the burners having abutting top manifolds including secondary air passages, said top having additional openings for the release of secondary air from the plenum chambers through said passages in the manifolds to combustion regions of the burners above the box, said abutting manifolds forming a sectionalized firing platform held by gravity in spaced position above said top, said burners being individually removable by lifting from said platform.

2,625,993
**GAS BURNER FLASH TUBE IGNITION
 APPARATUS**

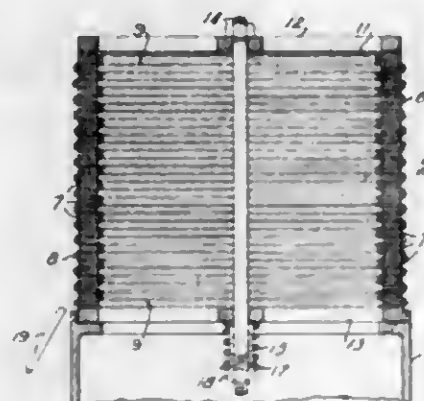
Charles C. Lamar, Chicago, Ill., assignor to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
 Application July 30, 1948, Serial No. 41,683
 8 Claims. (Cl. 158-115)



1. Gas burner ignition apparatus including a pilot burner housing having wall structure defining an open ended straight sided slot, and a flash tube inserted into said slot through the open end of the latter and having opposed straight sided walls with a length axially of the flash tube at least approximately equal to the thickness of

the pilot burner housing wall structure and structure engaged with the inner and outer sides of said wall structure, whereby said tube and housing are detachably held in substantially fixed assembled relation when the tube is inserted into said slot.

2,625,994
**GAS BURNER FORMED BY STACKED
 ANNULAR MEMBERS**
 Dean Shepherd, West Allis, and Harry J. Welch, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
 Application January 9, 1946, Serial No. 639,973
 6 Claims. (Cl. 158-116)



1. A gaseous fuel burner, comprising: means providing a chamber having an open end adapted for connection to means for feeding fuel in gaseous form through said open end into said chamber; said chamber-providing means comprising a series of annular coaxially disposed elements spaced axially from each other to permit the passage of gaseous fuel from the inside of said chamber to the space surrounding said elements in which space the gaseous fuel is to be burned, and means for spacing said elements axially from each other and maintaining said coaxial disposition of said elements, said spacing means comprising a plurality of generally axially extending filamentous members disposed at spaced intervals around the circumference of said elements, each filamentous member having portions thereof extending axially along the outer circumference of alternate elements of said series of elements and axially along the inner circumference of elements interleaved between said alternate elements, and portions extending radially between adjacent elements to connect said axially extending portions; and means for pressing the end elements of said series toward each other.

2,625,995
**CAM-ACTING TENSION DEVICE FOR
 FRAMELESS WINDOW SCREENS**
 David Jordan Rust and Jack H. Jensen, San Leandro, Calif., assignors to Ry-Lock Company, Ltd., San Leandro, Calif., a corporation of California
 Application April 30, 1951, Serial No. 223,764
 2 Claims. (Cl. 160-328)

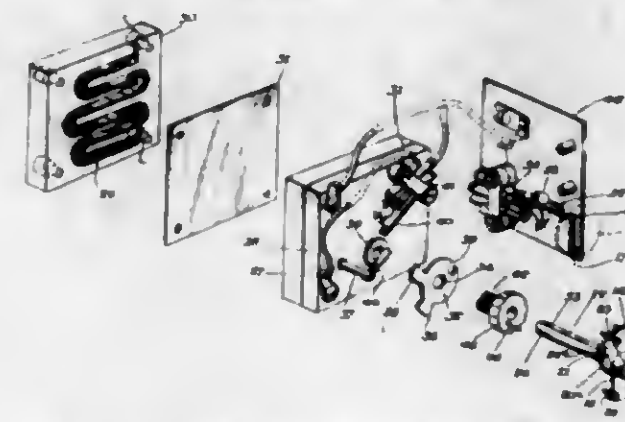
1. In a tensioning device for a frameless window screen having a bottom cross bar extending between opposite sides of a window frame; a cam lever pivoted in connection with the window frame at one side thereof and adjacent the bottom cross bar, the cam lever being swingable downwardly from an upstanding released position in a direction parallel to the screen and to a lowered screen tensioning position, an upwardly facing element fixed on the bottom cross bar below the lever; the

lower end portion of the lever being a rotary cam abutting said element, said cam turning at the bottom edge in a laterally outward direction and simultaneously thrusting downwardly upon



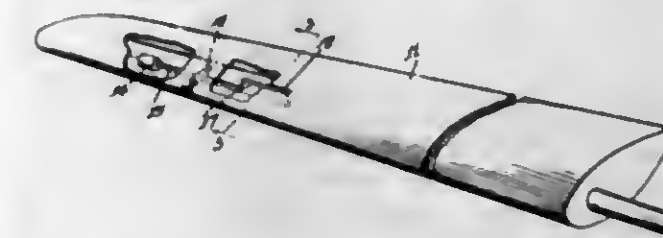
swinging of the lever, and said element being inclined upwardly in an opposite direction whereby to counteract the tendency of the turning cam to displace said element and the cross bar in said laterally outward direction.

2,625,996
COIN-OPERATED TIMING DEVICE
 Victor Trad, Deal, N. J.
 Application October 16, 1947, Serial No. 780,233
 5 Claims. (Cl. 161-1)



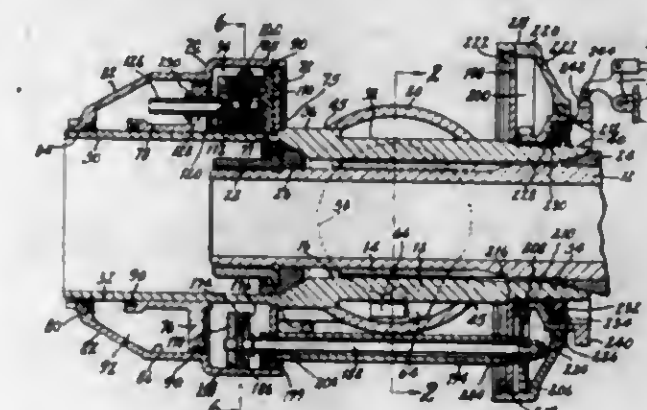
1. An electrical timing mechanism comprising, a block, said block being provided with a recess therein, an electrical heating element in said block recess, a source of electrical potential connected to the heating element, a first switch inserted between the source of potential and the heating element, a bimetallic strip having one end thereof anchored to the block, said strip being adjacent and responsive to the heating element, a rotatable shaft, one end of said shaft being coupled to the free end of the bimetal, whereby the shaft may be rotated in alternately forward and reverse directions as the bimetal is heated and cooled, a cam carried upon the shaft, said cam being disposed so as to alternately open and close the first switch as the shaft rotates, said opening and closing of the first switch governing the passage of the electrical potential to the heating element whereby the bimetallic strip is alternately heated and cooled and the shaft connected thereto caused to rotate, a timing wheel journaled upon the end of the shaft opposite the bimetal, ratchet means rotated by the shaft and comprising a unidirectional rotating member upon the shaft between the timing wheel and bimetal, said rotating member being coupled to the timing wheel so as to turn the timing wheel in one direction, a second switch connected between the first switch and the source of potential, a trip arm secured to the second switch and a screw carried by the timing wheel, the path of said screw during the rotation of the wheel being such that it will encounter the trip arm and open the second switch.

2,625,997
HELICOPTER STABILIZING DEVICE
 Edmond R. Doak, Los Angeles, Calif., assignor to Doak Aircraft Company, Inc., Torrance, Calif., a corporation of California
 Application November 1, 1946, Serial No. 707,129
 11 Claims. (Cl. 170-160.13)



1. In a helicopter stabilizing arrangement for stabilizing the flight of a helicopter, in combination with the lifting rotor blade of the helicopter which is subject to pitching and rolling forces while said blade is rotating about its rotational axis, a weighted member, and means mounting said weighted member for movement on said blade and normally maintaining said weighted member relatively stationary with respect to said blade regardless of the speed of rotation of said blade so long as said blade continues to rotate in a predetermined plane, a lift control element effective to alter the flow of air past said blade to alter the aerodynamic lift forces developed on said blade, means mounting said lift control element on said blade for relative movement between said lift control element and said blade, and means interconnecting said weighted member to said lift control element, said interconnecting means incorporating means whereby said weighted member is effective to change the position of said lift control element relative to said blade when and as said rotational axis of said blade is abruptly changed in response to such pitching and rolling forces to change the lift forces developed on said blade.

2,625,998
PROPELLER MECHANISM
 Kenneth L. Berninger and John F. Haines, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
 Application June 8, 1946, Serial No. 675,391
 10 Claims. (Cl. 170-160.21)



3. In a controller for aircraft having a propeller with pitch shiftable blades normally seeking an increased pitch position, the combination including, a chamber attached to said propeller and rotatable therewith, a movable partition separating the chamber into a pressure compartment and a reservoir compartment, means connecting the partition with the pitch shiftable

blades and responsive in movement to movement of the blades in a pitch shifting sense, valve means mounted on one wall of the reservoir compartment for controlling the flow of fluid from one compartment into the other, pressure developing means mounted on one wall of the reservoir compartment and rotatable therewith for applying fluid under pressure to the valve means, drive means operatively connected to said pressure developing means for operating the same upon relative rotation between said drive means and said compartment and selecting means including releasable rotation restraining means operatively connected to said drive means and mounted on non-rotatable structure for rendering the pressure developing means operative and inoperative, said valve means when the pressure developing means are rendered operative governing the flow of pressure fluid to and from the pressure compartment.

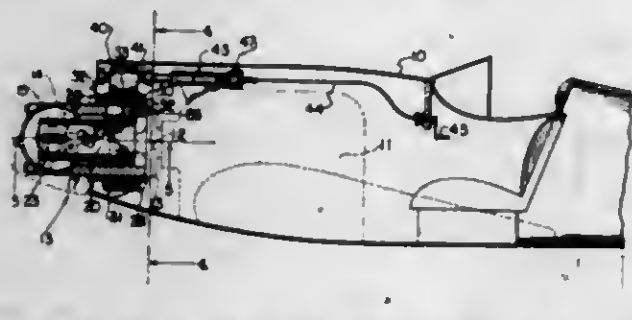
2,625,999

VARIABLE PITCH PROPELLER

Willis M. Voyce, Johnstown, Pa.

Application June 18, 1948, Serial No. 33,698

1 Claim. (Cl. 170-160.47)



Apparatus for varying the pitch of the blades of a variable pitch propeller of the type embodying propeller blades operatively associated with a rotatable hub, which comprises a slidable cylinder mounted within the hub to rotate therewith and move axially relative thereto, an inner ring collar mounted exteriorly of the hub and connected with the cylinder to rotate and move axially therewith, an outer collar concentric to and engaged with the inner ring collar, a worm block secured to the outer collar, a worm screw threadedly engaged with the worm block and co-operative therewith to axially shift the collars and cylinder, a mounting bracket in which the worm screw is journaled for rotative and longitudinal movements, and stops adjustable on the worm screw for abutting engagement with the mounting bracket whereby the amount of propeller pitch change to be effected by the axial movement of said cylinder and collars may be preset.

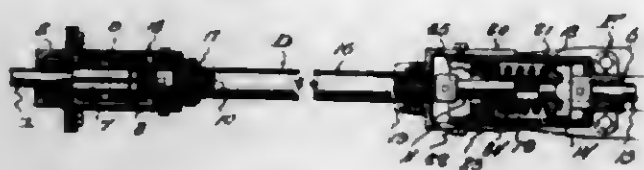
2,626,000

FLEXIBLE AND OVERLOAD RELEASABLE DRIVE MECHANISM BETWEEN DRAW-BAR CONNECTED VEHICLES

Chester M. Yergens, Milwaukee, Wis.

Application June 10, 1950, Serial No. 167,423

2 Claims. (Cl. 180-14)



1. A flexible releasable drive mechanism for use between a tractor power take-off shaft and

the drive shaft of a draw-bar connected implement comprising, a flexible drive shaft, operative connections between said flexible drive shaft and the tractor power take-off shaft and the implement drive shaft, one of said connections including a spline to allow relative axial movement between the flexible drive shaft and adjacent connected shaft, a spring clutch interposed between one end of said flexible drive shaft and adjacent connected shaft to operatively release said flexible shaft upon predetermined torsional strain, a flexible non-rotatable tubular casing surrounding said flexible drive shaft, a rigid connection between one end of said tubular casing and either said tractor or implement, and a slidable connection between the opposite end of said tubular casing and said tractor or implement to allow free relative longitudinal movement between said non-rotatable casing and tractor or implement to compensate for relative axial movement between said flexible drive shaft and adjacent connected shaft.

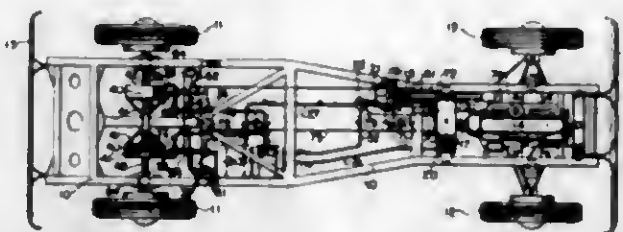
2,626,001

HYDRAULIC DRIVE FOR MOTOR VEHICLES

John T. Antle, Jr., Louisville, Ky., assignor of one-half to Virginia Devinney, Washington, D. C.

Application February 9, 1949, Serial No. 75,405

2 Claims. (Cl. 180-86)



1. A hydraulic drive for motor vehicles comprising a hydraulic pump and power unit in operative connection, a pressure tank receptive to fluid from the pump, an individual hydraulic motor for each driven wheel, a fluid reservoir, conduits for conveying the fluid through a circuit from the pump to the pressure tank, to the hydraulic motors, to the reservoir and back to the pump, a by-pass conduit for conveying fluid from the pump to said reservoir and back to the pump, on-off valves in the conduits between the pressure tank and the hydraulic motors, a by-pass valve in the by-pass conduit, means operative to simultaneously accelerate the power unit, close the by-pass valve and open the one-off valve, forward-reverse valves in the conduits between the pressure tank and the hydraulic motors, said forward-reverse valves being disposed between the on-off valves and the motors, and a steering-post-mounted lever and linkages therefor operative to control the forward-reverse valves.

2,626,002

TRACTOR DRIVE WITH TIRE DIRECTLY DRIVEN

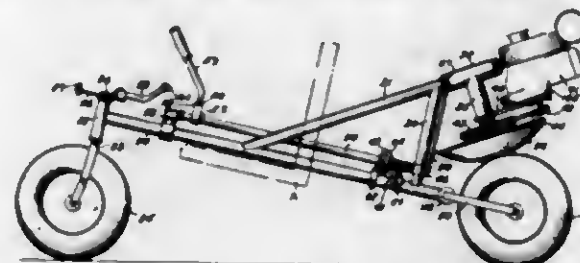
Leo J. Wubbe, Detroit, Mich.

Application May 25, 1950, Serial No. 164,047

14 Claims. (Cl. 180-74)

14. A vehicle, support, power, and transmission unit comprising a vehicle chassis, a horizontally hinged wheel brace on said chassis, a wheel disposed on said wheel brace, a support on said chassis, a support sleeve pivotally mounted on said support, a friction wheel sleeve secured to said support sleeve adapted to traverse in an arc when said support sleeve pivots, a shaft disposed in said friction wheel sleeve, a spherically faced friction wheel disposed on said shaft; said friction wheel being adapted to contact and bear upon said wheel to support said chassis adjacent said wheel on said wheel via said brace and respectively to lift said spherically faced friction drive wheel out of chassis supporting and friction contact with said wheel to facilitate traversing said friction wheel relative to said wheel; an arm on said control rod, an arm on said support sleeve, and a connecting rod between said arms; said control rod being adapted to pivot to move said control rod arm, said connecting rod, and said support sleeve arm to pivot said support sleeve to traverse said friction wheel relative to said wheel.

tion wheel being adapted to contact and bear upon said wheel to support said chassis adjacent said wheel and said hinged wheel brace, a lever on said hinged wheel brace, a drag link on said lever, a toggle link adapted to lower and raise said drag link, a plate adapted to activate said toggle link, a control rod adapted to move said plate to activate said toggle link whereby said toggle link is able to lower and raise said lever via said drag link to release or place a downward thrust on said wheel and an upward thrust on said chassis via said hinged wheel brace, respectively to support said chassis adjacent said wheel on said wheel via said brace and respectively to lift said spherically faced friction drive wheel out of chassis supporting and friction contact with said wheel to facilitate traversing said friction wheel relative to said wheel; an arm on said control rod, an arm on said support sleeve, and a connecting rod between said arms; said control rod being adapted to pivot to move said control rod arm, said connecting rod, and said support sleeve arm to pivot said support sleeve to traverse said friction wheel relative to said wheel.



spectively to support said chassis adjacent said wheel on said wheel via said brace and respectively to lift said spherically faced friction drive wheel out of chassis supporting and friction contact with said wheel to facilitate traversing said friction wheel relative to said wheel; an arm on said control rod, an arm on said support sleeve, and a connecting rod between said arms; said control rod being adapted to pivot to move said control rod arm, said connecting rod, and said support sleeve arm to pivot said support sleeve to traverse said friction wheel relative to said wheel.

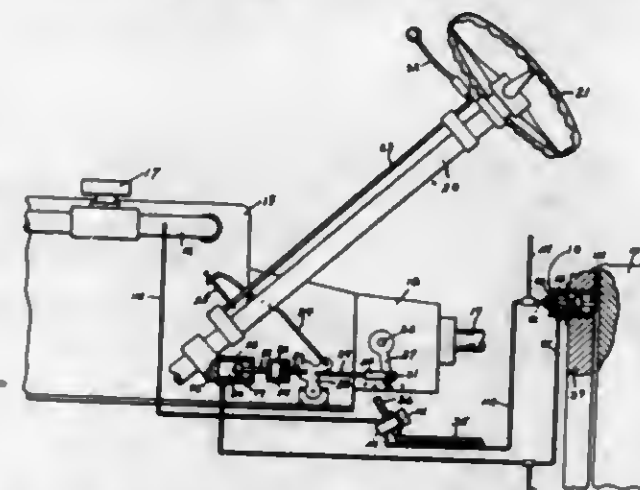
2,626,003

SAFETY DEVICE FOR MOTOR VEHICLES WITH AUTOMATIC TRANSMISSIONS

Henry A. Kutzer, Chicago, Ill.

Application April 14, 1950, Serial No. 155,820

3 Claims. (Cl. 180-82)



1. In combination with the controlling mechanism of an automobile, an automatic transmission, a manual control lever and associated linkage in connection with said transmission, a vacuum operable member mounted adjacent said transmission and connected with said control lever through its associated linkage, a valve controlled by a door on the automobile and arranged in the piping system of said vacuum operable member for independently operating said control lever to move it to a neutral position and render the automatic transmission ineffective, when the door is in open position, and a manually operable spring loaded valve arranged in the piping system of said vacuum operable member for rendering the vacuum action of said valve controlled by a door ineffective should it be necessary to operate said automobile with a door in open position.

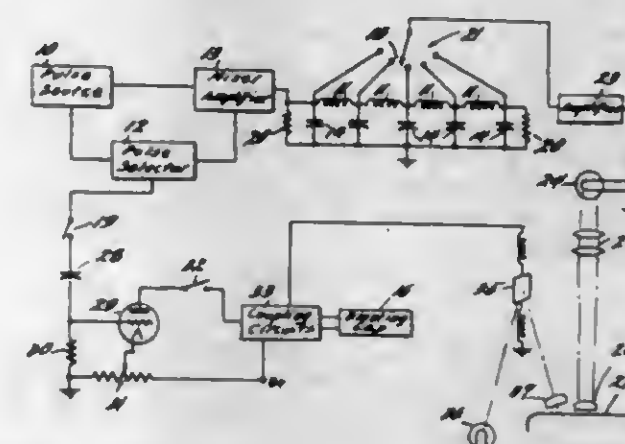
2,626,004

APPARATUS FOR RECORDING TIME INTERVALS

Arthur F. Hasbrook, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.

Application January 19, 1950, Serial No. 139,430

5 Claims. (Cl. 181-5)



1. In apparatus for use in seismic surveying, the combination with a recorder, of a generator of cyclic pulses, a pulse selector energized by said cyclic pulses and providing output pulses having a repetition rate which is a submultiple of the repetition rate of the energizing pulses, means combining the output pulses from said generator and said pulse selector in overlapping relation to provide a signal in which pulses corresponding to said submultiple pulses are distinctive, means applying the combined pulses to said recorder to effect recording of timing indicia conforming to the repetition rate of said cyclic impulses, of which recurrent indicia corresponding to said submultiple pulses are distinctive, explosive detonating means, electronic devices for supplying current to said detonating means to effect detonation of the explosive, and electrical connections between said pulse selector and said electronic devices to energize the latter in response to the pulses of lower repetition rate, whereby a predetermined time relation between the recording of the distinctive timing indicia and the instant of detonation of the explosive is established.

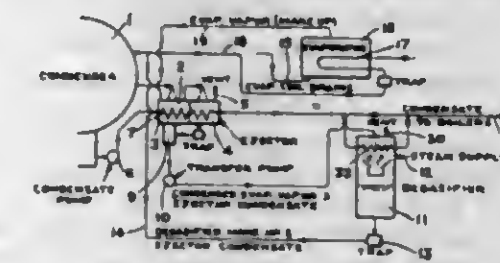
2,626,005

METHOD AND APPARATUS FOR REMOVAL OF AMMONIA IN BOILER FEEDWATER SYSTEMS

Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Corporation, Harrison, N. J., a corporation of Delaware

Application January 8, 1949, Serial No. 69,926

17 Claims. (Cl. 163-2.5)



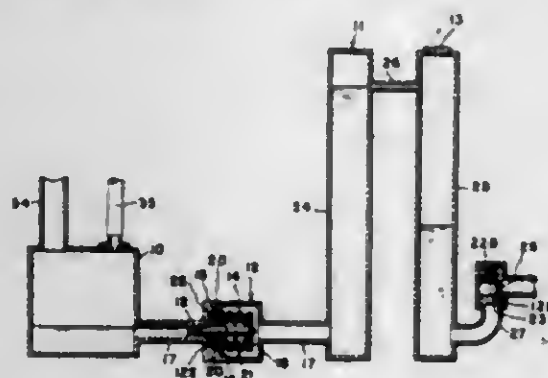
4. The method of removal of ammonia from a boiler feed system of a power plant wherein condensate is delivered from a main condenser to a boiler which comprises withdrawing a mixture of non-condensed vapor and non-condensable gas from a main condenser of a boiler feed

system, condensing the vapor and thereby releasing the non-condensable gas of the mixture to waste, supplying evaporated make-up water to the boiler feed system at a point in advance of delivery of condensate to the boiler, condensing the non-condensed vapors of the evaporated make-up water, mixing the condensed make-up water with the condensed vapor of the mixture withdrawn from the main condenser, heating and scrubbing the mixed vapors with steam, flashing and condensing the heated scrubbed vapor to release the ammonia content of the vapor, venting the released ammonia to waste and delivering the relatively ammonia-free condensate to the boiler feed system at a point in the system in advance of delivery of condensate to the boiler.

2,626,006

LIQUID-GAS SEPARATOR

James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 11, 1949, Serial No. 120,659
8 Claims. (Cl. 183-2.7)



1. A liquid-gas separator comprising, a high pressure tank having an inlet for receiving a mixture of liquid and gas under pressure, a low pressure receptacle having an outlet, a conduit connected between and communicating the lower portions of said tank and receptacle, a valve in said conduit for controlling the flow of fluid therethrough and having a pressure surface thereon exposed only to the pressure of fluid in the receptacle for urging the valve into the closed position, a restricted gas vent in the upper portion of said receptacle to permit the escape of gas therefrom for varying the pressure of fluid in the receptacle, and a valve in said outlet for controlling the flow of fluid therethrough.

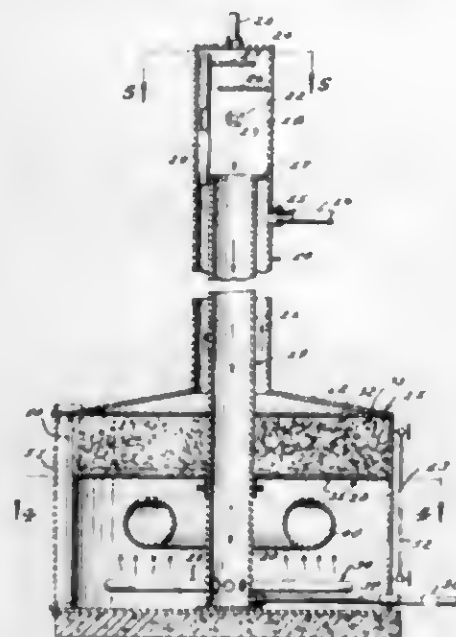
2,626,007

ATMOSPHERE-TYPE EMULSION TREATER

Alton P. Musslewhite and James W. Musslewhite, Arp, Tex.
Application January 5, 1951, Serial No. 204,609
4 Claims. (Cl. 183-2.7)

1. An emulsion treater comprising a settling tank defining an emulsion-treating chamber, an oil discharge tube mounted vertically on the tank and having its lower end secured in communication with the tank, an oil delivery tube disposed interiorly of and concentrically of the oil discharge tube and having one end mounted on the base of the tank and having its opposing end spaced from the upper end of the oil discharge tube, said delivery tube being radially spaced from the discharge tube, a plate bridging the space between the upper end of the delivery tube and the discharge tube, and defining with the upper end of the discharge tube and the delivery tube an oil and gas separating chamber, emulsion in-

let means connected to the upper end of the discharge tube for introducing emulsion to be cleaned into the oil and gas separating chamber for gravitation downwardly through the oil delivery tube, gas outlet means connected in communication with the upper end of the discharge tube for withdrawing gas from the oil and gas separating chamber, a filter body mounted in the upper portion of the treating chamber and cir-

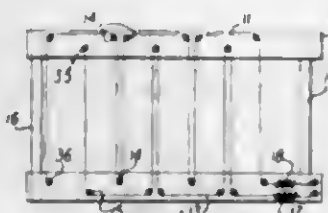


cumposed on the oil delivery tube, atomizing tubes radially extending from the oil delivery tube below the filter body and communicating with the delivery tube, for breaking up the emulsion into small globules and discharging the globules into the treating chamber for passage through the filter body and into the oil discharge tube, heating means arranged within the treating chamber for heating the contents thereof, and outlet means extending from the oil discharge tube.

2,626,008

ELECTRICAL PRECIPITATOR

Robert L. Barr, Glenview, Ill., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1947, Serial No. 719,893
6 Claims. (Cl. 183-7)

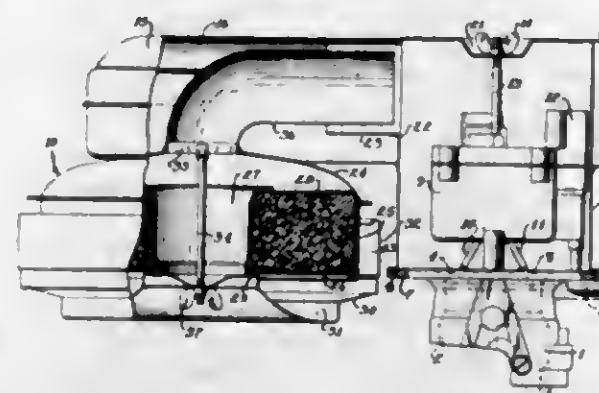


1. In an electrostatic gas cleaning apparatus, a pair of collectors made of light weight flexible sheet material having at least one electrically conducting surface, means for supporting said collectors in said apparatus comprising a plurality of insulating rods about which said sheet material is wound, said rods being so positioned that said conducting surfaces of said collectors are substantially uniformly spaced throughout the entire extent thereof.

2,626,009

AIR CLEANER, INTAKE SILENCER, AND CARBURETOR HOUSING UNIT

Joseph B. Sebok and Frank Sebok, Detroit, Mich., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 11, 1950, Serial No. 155,162
3 Claims. (Cl. 183-15)

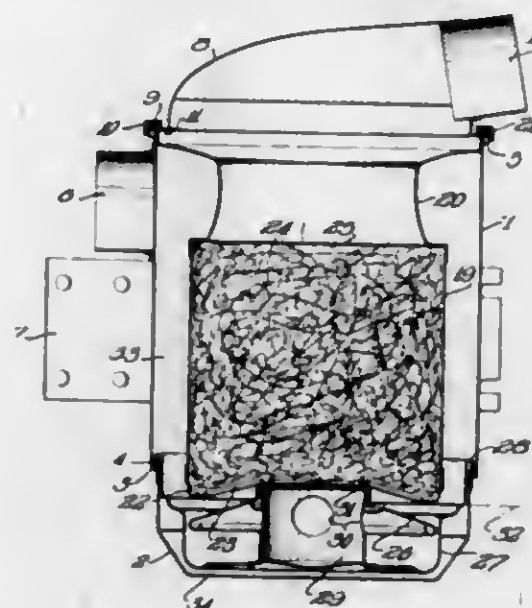


1. In an air cleaning, intake silencing and carburetor housing unit, an elongated casing housing a sound attenuating chamber, air cleaning means depending from one end of said casing, hollow means depending from the other end of said casing to increase the size of said chamber, carburetor housing means depending from an intermediate part of said casing, said housing means having an opening in the wall thereof, and a tuning tube secured in said opening and extending into said chamber.

2,626,010

AIR CLEANER

Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 5, 1951, Serial No. 219,368
6 Claims. (Cl. 183-15)

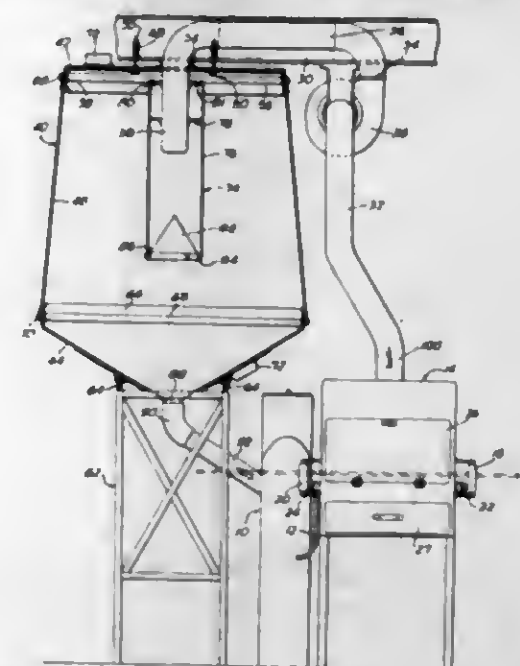


1. In an air cleaner, a casing including a body with a closed bottom and a removable cover, said casing having an inlet and an outlet, a liquid cup in said casing adjacent the bottom thereof, a filtering unit in the casing above said liquid cup, both said cup and unit being removable through the top of the casing body upon removal of said cover, and coacting means carried by the filter unit and cup for removably connecting the liquid cup to the filter unit for removal from and replacement in the casing therewith.

2,626,011

RECIRCULATING DUSTING SYSTEM

John F. Campbell, Cuyahoga Falls, Ohio
Application January 24, 1951, Serial No. 207,565
14 Claims. (Cl. 183-58)



1. A recirculating dust system for dusting rubber products or the like including a dust dispenser, a partially confined dusting chamber, said dust dispenser being adapted to discharge dust-laden air into said chamber for dusting said rubber products placed within said chamber, an exhaust fan operatively associated with said chamber for removing air and excess dust not adhering to said rubber products, a cylindrical expansion chamber, a conical bottom of smaller diameter and concentrically mounted at one end of said cylindrical expansion chamber, an air duct opening into the other end of said expansion chamber, said duct communicating with the discharge end of said exhaust fan, an air and dust separator surrounding said expansion chamber, said separator including a top cover through which said dust passes in sealed relation thereto; a funnel-like bottom beneath said expansion chamber, enclosing sides in sealed relation to said cover and bottom, said sides being of filter material adapted to pass air under pressure and trap the dust particles, vibrators associated with said cover and bottom whereby dust filtered out by the side walls is shaken to the bottom of the separator, and a dust return pipe between the funnel-shaped bottom of the separator and the dust dispenser.

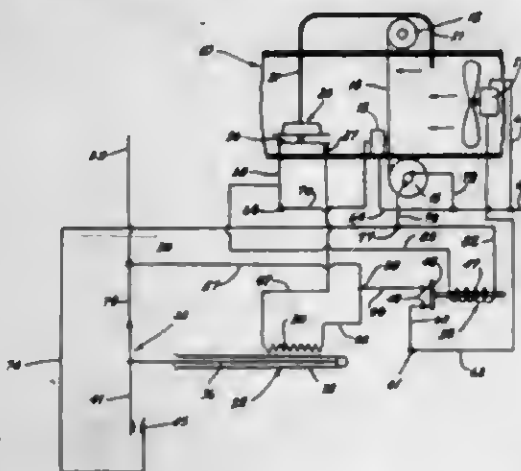
2,626,012

FEED CONTROL FOR PAPER FILTERS

Lawrence M. Persons, Chesterfield, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application May 19, 1947, Serial No. 748,913
5 Claims. (Cl. 183-62)

1. In combination, a flow passage for a fluid; filter material disposed therein through which the fluid flows; first electrically operated means for causing fluid to flow through the passage; second electrically operated means for automatically changing the filter material; a relay switch; a relay switch opening means; means responsive to the flow in said passage and a flow responsive switch actuated by the means; a time delay energizing means and a time delay switch; a circuit branch closed upon closure of the flow responsive switch for effecting energization of the time delay energizing means and consequent

operation of the time delay switch; a circuit branch closed by closure of the time delay switch for energizing the relay switch opening means and consequent opening of the relay switch; an additional circuit branch for connection with said first electrically operated means, the addi-



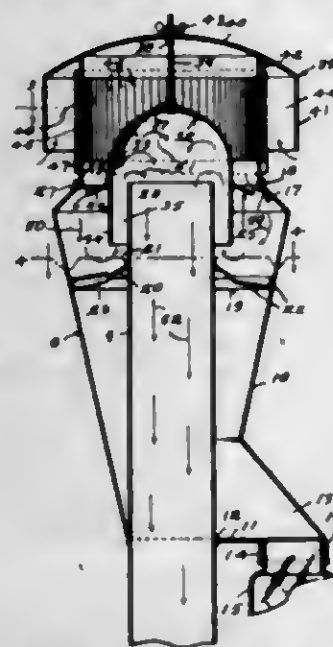
tional circuit branch including the relay switch so that the additional branch is opened upon opening of the relay switch; and a further operating circuit branch connected with the time delay switch for control thereby and connected with said second electrically operated means.

2,626,013

CENTRIFUGAL AIR CLEANER FOR INTERNAL-COMBUSTION ENGINES

Henry F. Reimann, Ashton, Idaho

Application September 7, 1951, Serial No. 245,539
9 Claims. (Cl. 183-86)



1. The combination with an air conduit having an open upper inlet end through which air is adapted to be drawn by suction, of an air cleaner including a housing disposed around a portion of said air conduit and secured thereto, a dirt collecting receptacle detachably connected to a bottom portion of the housing and communicating with the housing interior, said housing having an open upper end disposed around and spaced from the open upper end of said air conduit, an annular deflector member secured in the open end of said housing having circumferentially spaced air passages and downwardly and outwardly inclined deflector vanes all extending and curved in the same direction, a cylinder supported on and rising from said annular deflector member and disposed around the air passages, said cylinder having a series of longitudinally

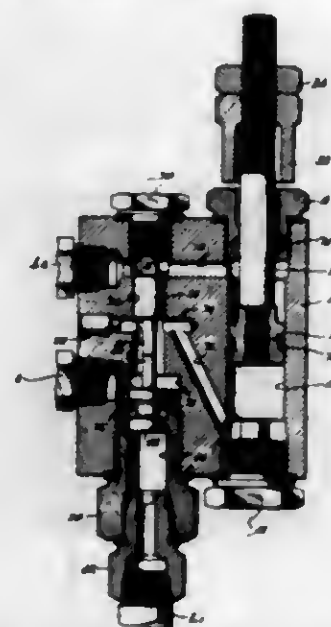
extending circumferentially spaced slots and a series of baffles projecting from its inner side and from corresponding longitudinal edges of said slots, all of said baffles extending in the same direction and in the same direction as said deflector vanes, a dome disposed over and spaced from the upper end of the inlet conduit having a portion disposed in the annular deflector member and secured thereto for supporting the dome concentrically around the air conduit, said dome having an open lower end disposed beneath the upper end of said air conduit and spaced radially therefrom and having a closed upper end extending into said cylinder, and a hood supported on and closing the open upper end of said cylinder having a depending annular flange disposed around and spaced outwardly from the cylinder and opening at its bottom edge above the upper end of the housing whereby air is drawn upwardly into the hood and through the slots of said cylinder and is caused to revolve within the cylinder by the cylinder baffles, the air being drawn downwardly into the housing through the air passages of the annular deflector member and being deflected downwardly and outwardly with respect to the housing by said deflector vanes for separating dirt and foreign matter from the air and whereby the dirt is conveyed by gravity into the bottom of the housing and through its outlet into the collecting receptacle, the cleansed air being drawn upwardly into the dome through the annular downwardly opening passage defined by the bottom portion of the dome and air conduit and being drawn by suction from the upper portion of the dome downwardly through the air conduit.

2,626,014

MEASURING VALVE FOR CENTRALIZED LUBRICATING SYSTEMS

Walter Schmid, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application September 24, 1949, Serial No. 117,549
8 Claims. (Cl. 184-7)



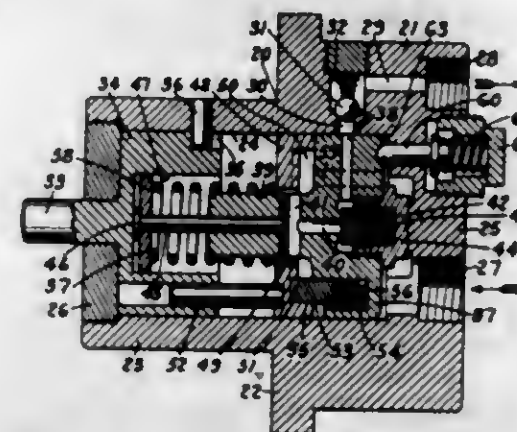
3. A measuring valve comprising means forming a measuring cylinder having a rod end and a head end, a piston reciprocable in the cylinder, a piston rod secured to the piston and extending to the atmosphere through the rod end of the cylinder, a pair of passageways for receiving fluid under pressure, means connecting one of said passageways to the rod end of the measuring cylinder, a valve for alternately connecting the head end of the cylinder to the rod end thereof and to

a fluid outlet, and means operated by the pressure of the fluid supplied alternately to the two passageways to reciprocate the valve between its two alternate positions.

2,626,015

LUBRICANT DISTRIBUTOR

Carl F. Erikson, White Plains, N. Y., assignor, by mesne assignments, to Nathan Manufacturing Corp., a corporation of New York
Application July 19, 1949, Serial No. 105,502
7 Claims. (Cl. 184-35)



1. A lubricant distributor comprising a housing defining a chamber and having an inlet and a plurality of outlets communicating with the chamber, a cylinder block rotatably fitted within the chamber having a cylindrical bore in communication with an outlet passage in the block, means to rotate the cylinder block to bring its outlet passage successively in register with each of the outlets in the housing including a driver within the chamber, a shaft projecting from the housing and movable relative thereto, means wholly within the chamber and including a spring for effecting combined reciprocatory and oscillatory movement of the driver in response to movement of the shaft, and ratchet means wholly within the chamber and coacting with the driver and the block, a piston operated by the driver adapted to enter the cylindrical bore in the block and force lubricant therefrom during the inward travel of the driver, resilient means normally and yieldingly holding the block stationary relative to the housing during the inward travel of the driver when the outlet passage in the block is in register with one of the outlets in the housing, and means including said spring for returning the driver and piston, upon completion of the inward travel of the driver, to their initial positions, said ratchet means comprising a disc, having ratchet teeth, slidably attached to the driver and rotating in unison therewith, and pawls in the block, the teeth of the disc sliding past the pawls in the block during the inward travel of the driver, while during the return travel of the driver the teeth grip the pawls and rotate the block to register the block outlet passage with another outlet in the housing.

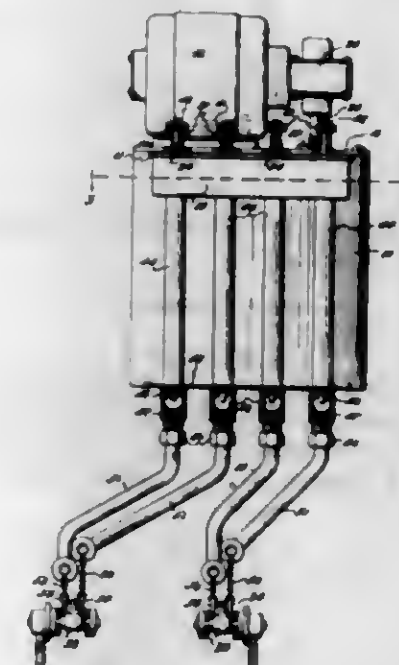
2,626,016

AUTOMATIC LUBRICATOR FOR MOVING CONVEYER CHAINS AND OTHER MOVING MECHANISMS

William C. Kiefer, Green Village, N. J., assignor to Bel-Ray Company, Inc., Madison, N. J., a corporation of New Jersey
Application June 14, 1951, Serial No. 231,462
7 Claims. (Cl. 184-81)

1. A lubricator comprising a reservoir member to contain a supply of lubricant, a manifold

member supported in connection with the reservoir member, a pump, means for driving the pump, the intake side of the pump being supplied with lubricant from the reservoir member, a lubricant delivery conduit means connected between the discharge side of the pump and the manifold member, a lubricant return conduit leading from the manifold member back to the interior of the reservoir member, whereby lubricant is continuously circulated through the manifold member so as to establish a constant uniform head thereof within the latter, said manifold member having at least one outlet port in its bottom wall for discharging lubricant by gravity therefrom, a conical valve member cooperative with said outlet port, said valve member having a valve stem extending upwardly through and



outwardly from the top wall of the manifold member, the top wall of the manifold member having an upwardly open recess concentric to the valve stem, an internally screw-threaded bushing seated in said recess, said valve stem having a screw-threaded section in engagement with said bushing and cooperative with the latter upon rotation of the valve stem to adjust the valve member toward and from the outlet port, means to close said recess, a compression spring to yieldably seat said bushing in the recess subject to axial movement therein when the valve stem with the valve member is axially reciprocated, detent means for holding said valve stem and valve member against accidental rotative displacement from a desired adjusted position, and a distributing conduit means for delivering lubricant discharged from the outlet port to a place of use.

2,626,017

AUTOMATIC CRANKCASE OIL FEED DEVICE

Peter Bibko, Yonkers, N. Y.

Application August 28, 1950, Serial No. 181,880
2 Claims. (Cl. 184-103)

1. In an internal combustion engine crankcase having a tube opening into the crankcase, an axially movable sleeve disposed in said tube and having a float at its lower end for raising and lowering the sleeve in response to the quantity of oil in the crankcase, mechanical means contacting said sleeve and yieldingly biasing said sleeve in opposition to the upward movement thereof, said tube having an opening in the side wall thereof, the side walls of said sleeve con-

stituting a valve for said opening, a conduit opening into said opening and having an auxiliary oil



supply tank connected therewith for gravity flow through said opening.

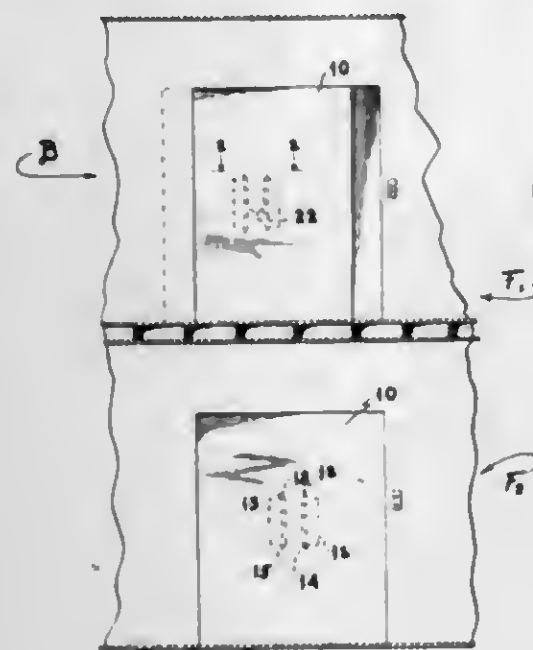
2,626,018

ELEVATOR DOOR INTERLOCK

William Healey, Philadelphia, Pa.

Application December 13, 1950, Serial No. 200,641

3 Claims. (Cl. 187-56)



3. In combination, a plurality of sliding elevator shaft doors in vertical alignment each having outer and inner faces, a pair of complemental plates mounted on the inner face of each of said shaft doors with said plates defining a vertical track that is open at both ends, the tracks on said several doors being in alignment and with each track also constituting in effect a socket, an elevator door having outer and inner faces, and a roller carried by said elevator door in spaced relation to the outer face thereof with said roller having a diametrical dimension substantially corresponding to the cross dimension of said track and with said roller positioned to pass through said aligned tracks and come to rest in any of the sockets defined thereby to establish a mechanical interlock.

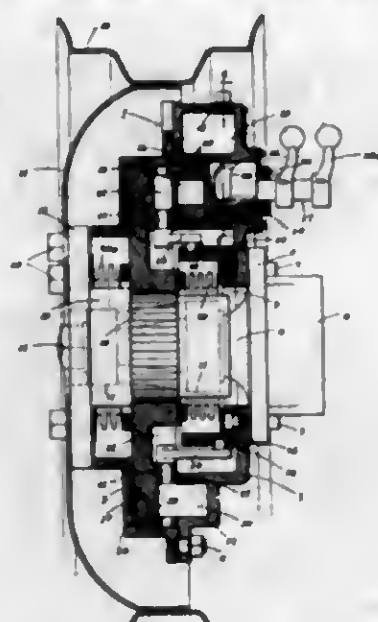
2,626,019

BRAKE UNIT

Roy D. Kisbey, San Francisco, Calif.

Application July 16, 1951, Serial No. 236,900

14 Claims. (Cl. 188-90)



1. A self-contained hydraulic brake comprising a fixed body unit adapted to be secured to a mount, a rotor turnable in the body unit, a rotary part projecting axially out of the body unit from the rotor, working surfaces of the rotor and body unit running in engagement, there being an annular groove in one working surface of the body unit adapted to contain hydraulic brake fluid, a valve mounted in said groove to control fluid flow therein, means to actuate the valve from exteriorly of the body unit, a plurality of circumferentially spaced impeller vanes mounted on the rotor and normally retractibly projecting therefrom into the groove, and means between the body unit and vanes operative to retract the latter into said rotor to pass the valve.

2,626,020

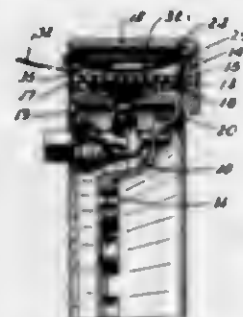
BRAKE

Russell J. Keller, Dayton, Ohio, assignor to The

B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 14, 1948, Serial No. 21,031

5 Claims. (Cl. 188-152)



1. Frictional mechanism comprising inner and outer concentric relatively rotatable members, said inner member comprising an annular support, removable side flanges thereon defining therewith a channel for supporting an expander tube, a plurality of arcuate friction shoes in said channel, torque bars extending between said flanges across said channel between ends of the shoes, said shoes having end extensions of reduced thickness normally underlying said torque bars, and spring means over said extensions for retracting said shoes, said side flanges having openings therethrough, said spring means being

removable through said openings in said side flanges, and said shoes and said torque bars being of such relative arcuate dimensions and spacing as to permit removal of said shoes by an outwardly swinging movement of one end thereof upon removal of said spring means without removal of said side flanges.

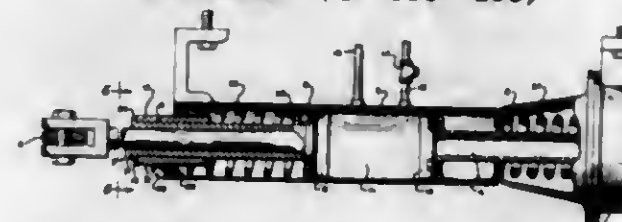
2,626,021

HYDRAULIC LINK IN BRAKE MECHANISM

Lawrence W. McAlpine, Savannah, Ga., assignor of one-half to Louis A. McAlpine, Portsmouth, Va.

Application August 29, 1947, Serial No. 771,251

3 Claims. (Cl. 188-198)



1. In a braking system for railway rolling stock, a compressed air actuated piston normally operated by air at definite pressure, a piston rod connected thereto for applying braking pressure, and mechanical brake rigging and a push rod connected thereto receiving braking force from said piston rod, said piston rod and push rod being axially aligned the adjacent ends of said piston rod and push rod being spaced, hydraulic pistons carried by the ends of each, a hydraulic cylinder within which said hydraulic pistons reciprocate, said pistons constituting the only expansible walls of said cylinder the cylinder space between said hydraulic pistons being filled with liquid through which the braking pressure is transmitted, spring means returning said piston rod and push rod independently to their repose positions when released from the bias of the braking pressure, slack take-up means for progressively and periodically and step by step increasing the length of the space in said hydraulic cylinder between said hydraulic pistons with consequent increase in its volume upon return strokes of said piston rod and push rod, compensating for predetermined increments of lost motion in said brake rigging due to wear, and means for supplying make-up liquid to fill said hydraulic cylinder upon increase in its volume and for retaining it filled and its volume constant on the brake applying strokes of said piston rod, so that the working stroke of said compressed air piston never exceeds its minimum stroke by more than the length of a step of adjustment of said slack take-up means.

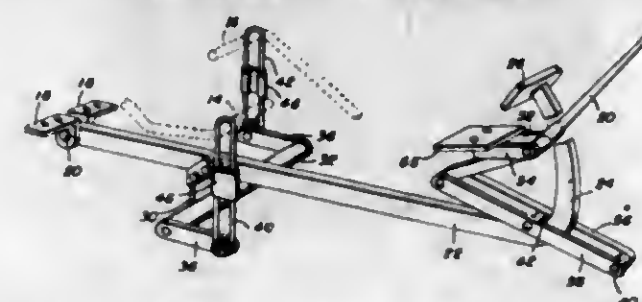
2,626,022

FOOT AND HAND BRAKE FOR FARM TRACTORS

George E. Arnio, Oneonta, N. Y.

Application September 9, 1948, Serial No. 48,506

5 Claims. (Cl. 188-204)



1. A device for operating the brakes of a vehicle which includes a first and second brake

actuation rod comprising a pivoted brake lever having means rotatively mounted thereon responsive to the differential of force required to depress the actuation rods for actuating said actuation rods in synchronism, said means including a rocker shaft mounted for rotation on said brake lever, arms attached to the ends of said rocker shaft, and lost motion means connecting said arms directly to the actuation rods.

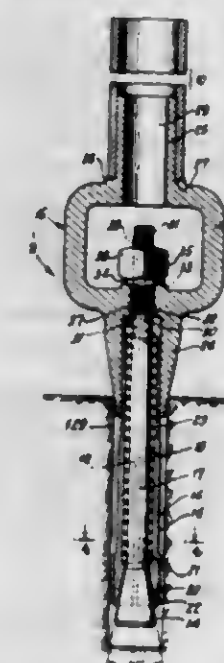
2,626,023

DRILL POST

Earl B. Lear, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application December 24, 1948, Serial No. 67,120

5 Claims. (Cl. 189-31)



1. Anchoring means for a drill post adapted for rigid fixation in a pilot hole, comprising a first portion having an expansible collet section, a second portion positioned between the first portion and the drill post, said second portion having an external conical surface tapering in the direction of the first portion and having a minimum diameter less than the diameter of the pilot hole, said first portion being slidably arranged in part within the second portion, resilient means maintaining the first portion and the second portion in opposition, a draw bolt extending through the first and second portions and having a conical portion tapering in the direction of the second portion, and means operable to move the draw bolt in the direction of the second portion thereby forcing the conical surface of the second portion further into the pilot hole after the expansible collet section has been expanded by the conical portion of the draw bolt to fully engage the pilot hole.

2,626,024

SASH OF METAL PROFILES FOR WINDOWS AND DOORS

Eric S. Persson, Malmö, Sweden

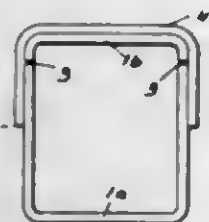
Application June 23, 1948, Serial No. 34,647

In Sweden June 12, 1947

1 Claim. (Cl. 189-76)

A sash for a window or door comprising a frame having two stile members forming sides, a top rail member and a bottom rail member, the stile members being integrally joined to the top and bottom rail members with externally rounded corners at the juncture of the stile and rail members, at least one of said rail and stile members

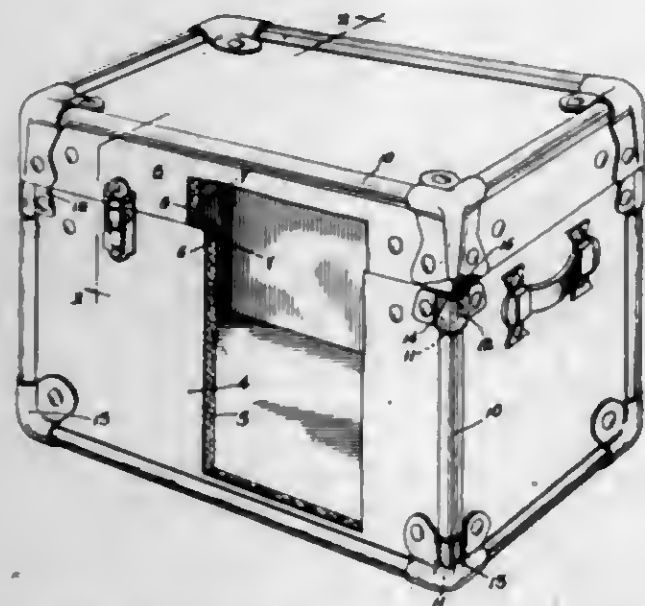
being formed of two sections butted together intermediate its corner portions, and a U-shaped joining member having a base element and two leg elements integral therewith and extending from the ends of the base perpendicularly thereto, with rounded internal corners formed at the juncture of the legs with the base, said U-shaped joining member being mounted on the outer edge



of the sash frame with its base and legs embracing one of the stile and rail members and portions of the two adjacent rail and stile members, with two of the external rounded corners of the sash frame nested in the internally rounded corners of the U-shaped joining member and with at least one element of the joining member overlapping the two butted sections of said rail or stile member.

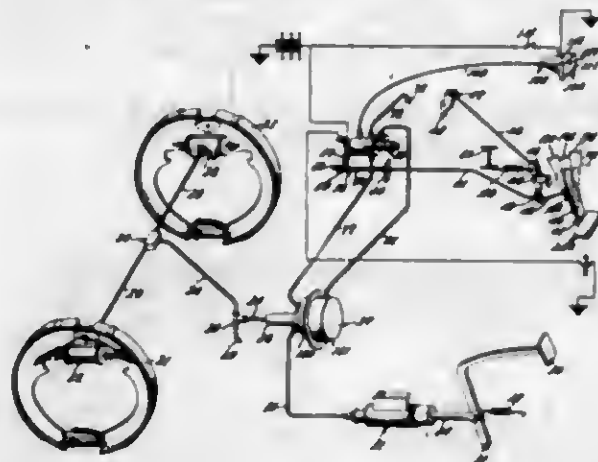
2,626,025

CASE AND TRUNK CONSTRUCTION
Marvin H. Sherman, Los Angeles, Calif.
Application March 30, 1950, Serial No. 152,852
1 Claim. (Cl. 190-37)



In case and trunk construction, a box body and a box top therefor to be placed thereupon edge to edge, complete sheet metal coverings for said box and said top, said sheet metal coverings being bent by stamping, respectively, over the meeting edges of said box and said top, and having integral tongue and groove formations, respectively, in the edge covering portions of said sheet metal coverings, and a fastening corner member for said sheet metal covering, consisting of an integral semi-round metal member having its end stamped to form an integral angle end portion thereof to rest flatwise upon the two sides of the angle corner of said box, with the upper end of said angle portion flush with the top edge of said box, at the top corner edge thereof, and a clamp element secured over said corner member at its angle end, securing the same flatwise around said box body corner, substantially as illustrated.

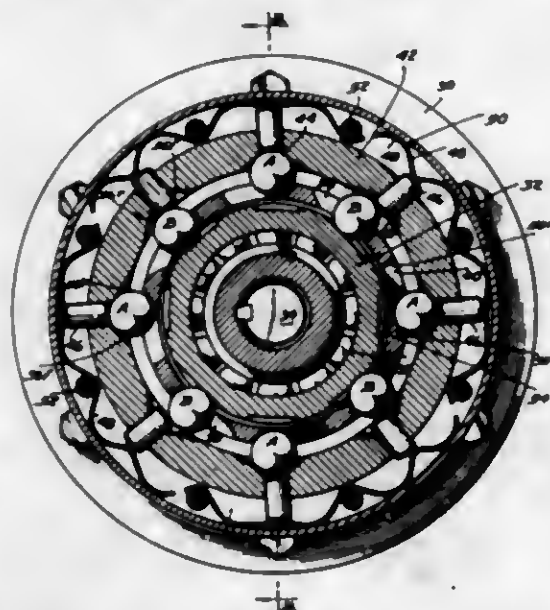
2,626,026
ACCELERATOR BRAKE APPARATUS
Robert C. Sherwood, West Hollywood, George A. Cunningham, Arcadia, Arthur C. Walgamott, North Redondo Beach, and Jack C. Urban, North Hollywood, Calif., assignors, by mesne assignments, to said Sherwood and B. Deleray Mouron
Application November 14, 1949, Serial No. 127,068
18 Claims. (Cl. 192-3)



1. In a motor vehicle accelerator brake apparatus for hydraulic brake systems: a housing defining a chamber, a fixed partition separating said chamber into a pressure side and a vacuum side, atmospheric valve means selectively permitting passage of atmospheric air into the pressure side of said chamber, equalizing valve means selectively permitting passage of atmospheric air from said pressure side to said vacuum side of said chamber, linkage means operated by the accelerator for selectively actuating each of said valve means, whereby in one pre-selected actuation of the accelerator said atmospheric valve means is opened and said equalizing valve means is closed, and whereby in a second pre-selected actuation of the accelerator said equalizing valve means is opened and said atmospheric valve means is closed.

2,626,027

SHAFT COUPLING MECHANISM
Roy H. Anderson, Bellevue, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application May 2, 1949, Serial No. 90,962
15 Claims. (Cl. 192-8)

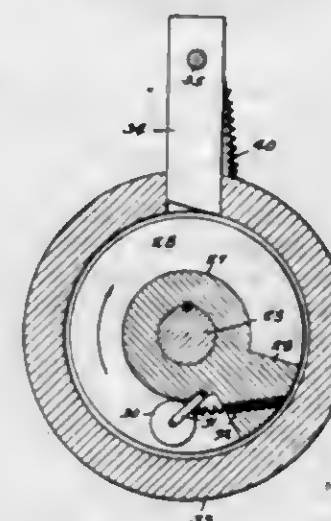


1. Coupling mechanism comprising an outer annular rotative member, a plurality of balls re-

ceived therein, an inner annular rotative member apertured to receive said balls and disposed coaxially within said outer rotative member, and a nonrotative member received coaxially within said inner rotative member, said outer rotative member and said nonrotative member having ball-receiving recesses therein, arranged cooperatively with the ball-receiving apertures of said inner rotative member, for engagement of said balls both in the recesses of said outer rotative member and the apertures of said inner rotative member while dislodged from the recesses of said nonrotative member to effect rotation of said outer rotative member by rotation of said inner rotative member, and for engagement of said balls in the recesses of the outer rotative member, in the apertures of said inner rotative member, and in the recesses of said nonrotative member to restrain rotation of said inner rotative member by the application of torque to said outer rotative member.

2,626,028

ONE REVOLUTION CLUTCH
John R. Brougner, Calvert, Tex.
Application April 3, 1947, Serial No. 739,077
2 Claims. (Cl. 192-33)



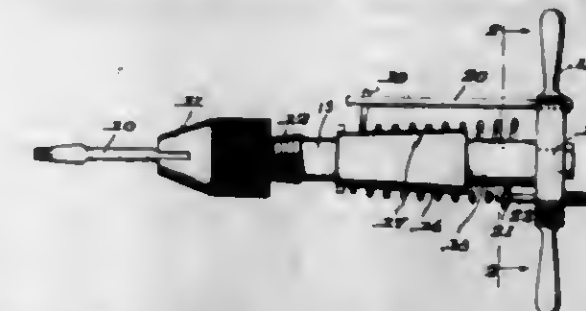
1. A clutch of the class described, comprising an inner clutch member including a hub, keyed to a continuously operated power shaft, said inner clutch member having an arcuate shaped groove formed in the periphery thereof, a stop at the ends of the groove, a roller pivotally mounted within the groove adapted to engage said stop, a clutch housing in which the clutch member is rotatably mounted, said housing having an opening in the periphery thereof in registry with said groove of the inner clutch member, an arm operating through said opening extending into the groove adapted to engage the roller forcing the roller against the inner surface of the clutch housing connecting the clutch housing with the inner clutch member to rotate therewith, and manually controlled means for effecting engagement of said arm and said roller.

2,626,029

SPRING TYPE OVERLOAD RELEASE CLUTCH
Robert P. Gutterman, Arlington, Va.
Application January 9, 1946, Serial No. 639,981
20 Claims. (Cl. 192-56)

1. An overload release clutch mechanism comprising a driving means, a driven member, a clutch member including a coil spring, said coil spring being positioned to contact in clutching relation with said driven member for a selected

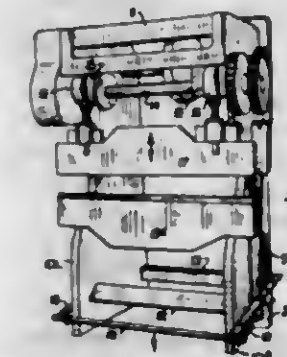
direction of rotation and secured at one end thereof to said driving means, means fastened to said driving means to contact the other end of said spring after a predetermined angular displacement in the selected direction of rotation



between the driving means and driven member occurs to prevent application of additional torque between said driving means and driven member, which angular displacement is proportional to the transmitted torque.

2,626,030

AUTOMATIC CLUTCH CONTROL MEANS FOR PRESS BRAKES
Harry H. Goldberg, Denver, Colo.
Application December 10, 1951, Serial No. 260,816
2 Claims. (Cl. 192-82)



1. The combination with a press brake having its working head cam-engaged with a shaft for reciprocation of a ram plate by rotation of the shaft, a clutch adapted to engage the shaft with driving means, a spring held foot treadle adapted to be depressed in the direction of the working stroke of the ram plate, and clutch shifting means adapted to shift said clutch to the shaft engaging position responsive to the depression of the foot treadle; of a bell crank with one arm forming a hook adapted to latch the foot treadle in its depressed position and the other arm forming a lever movable in the direction of the foot treadle depression to rotate the hook arm into latching position, means to resiliently hold the bell crank in the latching position, a rod connected to the lever arm, a bracket on the ram plate slidably engaging said rod, and a stop on the rod adapted to be engaged by the bracket at the retracted position of the ram plate and to hold the bell crank in the unlatching position at said retracted position.

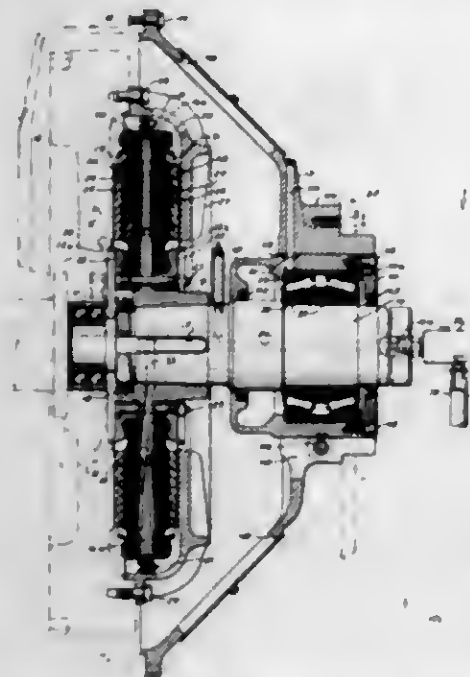
2,626,031

FLUID CLUTCH WITH SLIDABLE BEARING
Thomas L. Fawick, Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc., a corporation of Indiana

Application June 11, 1949, Serial No. 98,537
6 Claims. (Cl. 192-88)

1. A clutch assembly comprising a frame structure, two axially aligned shafts having journaled relation to said frame structure and having their

adjacent ends presented to each other, a rigid clutch element mounted on one of the shafts and having two axially and oppositely facing friction surfaces, at a fixed distance from each other, for clutch engagement, a rigid clutch element mounted on the other shaft and having mounted thereon two diaphragms axially dis-

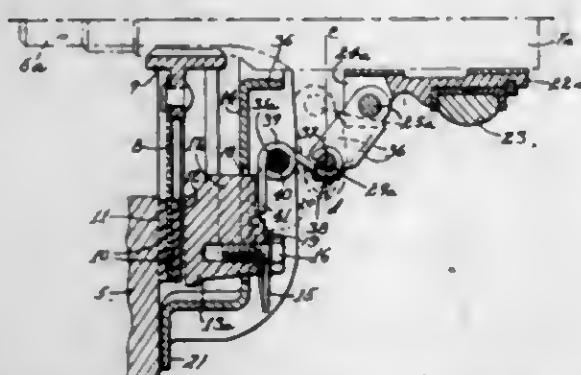


tensible for engaging respectively the said friction surfaces, and means for distending and relaxing the diaphragms, one of the said rigid clutch elements being, at least on occasion, axially slidable with relation to the other rigid clutch element to permit the engagement pressure of each of the diaphragms to be at least chiefly sustained by the other diaphragm.

2,626,032

CLUTCH WITH OVER CENTER SPRING LEVERS

Everson M. De Coursey, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application August 4, 1948, Serial No. 42,427
1 Claim. (Cl. 192-99)



In a clutch, the combination of a pair of frictionally engageable driving and driven clutch members, a pressure plate member connected to turn with one of said clutch members and shiftable to cause driving engagement of said clutch members, and means for moving the pressure plate member to engaging position, comprising a throw-out collar and pivotally connected over-center clutch actuating toggle members, one of which is a link pivotally connected at one end to the throw-out collar and the other of which is a coiled torsion spring having outwardly extending end portions, one of which is pivotally connected to the other end of said link, the coiled

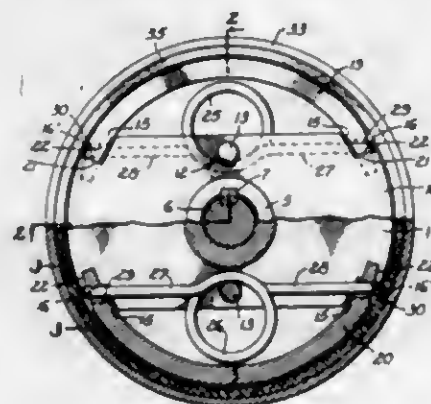
middle portion of said spring being pivotally mounted on one of the clutch members and the other end portion of said spring being a pressure transmitting end portion engaging the pressure plate, said spring being flexed in the engagement of the clutch to hold the clutch members resiliently engaged.

2,626,033

CENTRIFUGAL SERVO CLUTCH

Howard B. Lewis and Howard Field, Jr.,
Los Angeles, Calif.

Application April 3, 1948, Serial No. 18,758
4 Claims. (Cl. 192-105)



1. A clutch, comprising: a rotatable driving hub provided with axially-spaced, substantially rectangular plates fixed thereto and disposed in planes normal to the axis of said hub; arcuate clutch shoes having reduced extensions at their ends, said extensions being slidably disposed between said plates, said extensions providing transverse shoulders restable against edges of said plates, said shoes being floatable and bodily movable radially; pins extending between said plates; a driven drum disposed coaxially with said hub and overlying said shoes, said drum providing a circular clutch surface adapted to be engaged by said shoes; and torsion springs disposed between said plates and retained in place by said pins, each of said springs having its ends engageable with the opposite ends of one of said shoes to withhold said shoes from engagement with said clutch surface uniformly throughout their length, said springs being adapted to yield in response to centrifugal force of predetermined magnitude imposed on said shoes during rotation of said driving hub, to allow outward radial movement of said shoes into engagement with said clutch surface so as to effect a driving connection between said hub and said drum.

2,626,034

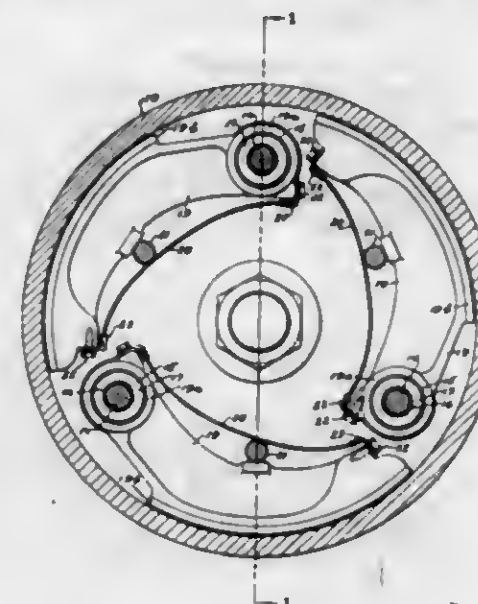
CENTRIFUGAL CLUTCH WITH REMOVABLE CANTILEVER SPRING

Thomas L. Fawick, Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc., a corporation of Indiana

Application July 8, 1949, Serial No. 103,588
4 Claims. (Cl. 192-105)

1. A centrifugal clutch comprising a driven member having an internal frictional-engagement face, a driving member, a set of centrifugal members pivoted on said driving member for swinging movement thereon toward and from said engagement face, a retracting spring of the cantilever type for each of said centrifugal members, the driving member having a seat for the middle portion of each of the springs and each

centrifugal member having two seats at different distances from its pivotal axis for the respective end portions of its spring, said seats for each spring having such clearances as to permit the spring when deformed by bending strain to be passed axially of the assembly into approximately



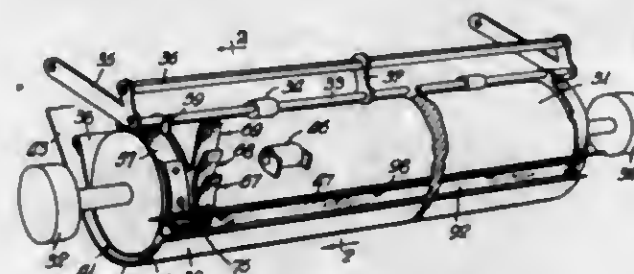
final position and to assume final position in relation to its seats upon relaxing of the strain, the seats for each spring comprising means automatically interlocking with a side edge of the spring, upon such relaxing, to prevent axial displacement of the spring.

2,626,035

DUPLICATING RIBBON ATTACHMENT

Julius C. Hochman, New York, N. Y.

Application July 9, 1948, Serial No. 37,748
18 Claims. (Cl. 197-153)



1. In a machine of the front feed type including a platen and means movable with respect to such platen from typing position to form inserting position; the combination therewith of a frame, means on said frame coacting with said machine to position said frame on said platen, ribbon mounting means near opposite ends of said frame, removably to retain the respective ends of a plurality of ribbons to extend therebetween longitudinally of said frame, and insertion guide means associated with said frame to facilitate the simultaneous insertion of a plurality of forms in correct relation with respect to such ribbons.

2,626,036

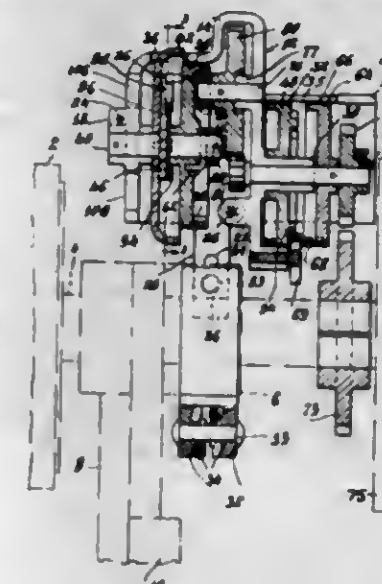
TYPEWRITER LINE CONTROL ATTACHMENT

Bernard Sternfeld, Brooklyn, N. Y.

Application December 29, 1949, Serial No. 135,600
2 Claims. (Cl. 197-189)

1. A typewriter line control attachment comprising a housing having side walls and a top

wall which is provided with perforations and having an open bottom portion from which a pair of vertical legs are downwardly extended, a clamping member adapted for being clamped to a non-rotatable part of the carriage of a typewriter and having a pair of vertical grooves in which said legs are slidable, a stationary shaft extending through one of said side walls into the housing, a cup-shaped bell within said housing being rotatable on said stationary shaft and having graduation marks at its rim portion which extends partially through one of the perforations in the top wall of said housing, a gear wheel being rotatable on said stationary shaft within said housing, resilient means interposed between said stationary shaft and said gear wheel being adapted for turning said gear wheel back to its original position after it has been turned around said shaft and released, a



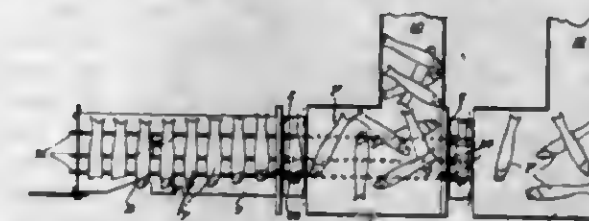
revolution counter being attached to said housing, a rotatable shaft within said housing being in driving engagement with said counter, a set of gears connecting said rotatable shaft to said gear wheel, a first pinion being secured to said rotatable shaft beyond said counter, a second pinion adapted for engaging said first pinion being secured to the roller shaft of the typewriter, a resilient arm being secured to the inner side of said cup-shaped bell and having a tendency to rest with its free end portion against the inner side of the rim portion of said bell, a hammer secured to the free end portion of said resilient arm having a pair of pointed portions which are directed toward the inner side of the rim portion of said bell, and a pin laterally extended from said gear wheel being adapted for engaging the pointed portions of said hammer.

2,626,037

PRE-FEED TABLE AND CONVEYER FOR FISH DRESSING MACHINE

Norford L. Oates, Seattle, Wash., assignor to Smith Cannery Machines Company, Seattle, Wash., a corporation of Washington

Application October 25, 1948, Serial No. 56,367
4 Claims. (Cl. 198-26)



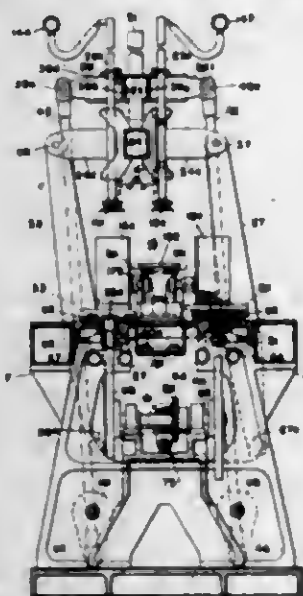
1. In combination with a feed table which includes spaced pusher elements movable there-

along at a predetermined rate and spacing, thereby to engage and advance individual fish or the like, an arranging table operatively adjoining such feed table, whereon fish or the like are delivered heterogeneously, means at one side of the arranging table to receive therefrom and support successive single fish or the like, and shiftable from a delivering position to a retaining position, and the reverse, dual actuating means operable in synchronism with the advance of said pusher elements along the table for shifting said receiving means at predetermined intervals positively into and from delivering position, and thus to deliver single fish or the like at such time intervals as will deposit them upon the feed table at predetermined spacings, one of said dual actuating means being arranged for actuation at spacings such as to effect delivery in advance of each successive pusher element, and the other thereof being arranged for actuation at spacings such as to effect delivery in advance of alternate pusher elements, skipping the intervening pusher elements, and control means for operatively connecting either one of said actuating means with said receiving means.

2,626,038

APPARATUS FOR ASSEMBLING STORAGE BATTERY ELEMENTS

William Wharton Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application April 12, 1949, Serial No. 86,922
22 Claims. (Cl. 198—35)



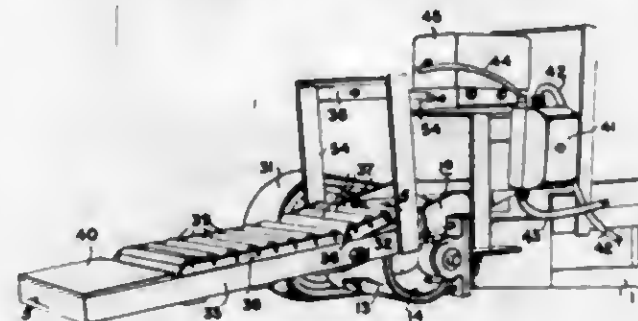
1. A machine for assembling storage battery elements comprising a movable platform, a plurality of magazines disposed in opposed pairs in laterally spaced positions on opposite sides of said platform and adapted to support a plurality of stacks of element components including plates and separators, at least one pair of suction heads, one suction head of which is spaced from the other suction head thereof a distance substantially the same as the lateral spacing of each magazine on the respective sides of said platform, structure for translating said suction heads between positions of registry first above said platform and one of said magazines disposed to one side of said platform and then in registry above said platform and one of said magazines on the other side thereof, structure for elevating and lowering said suction heads in each of their registered positions, movable supporting means for each magazine on the respective opposite sides of said platform, driving means for said movable supporting means for interchang-

ing the positions of the pair of magazines on one side of said platform after each suction head has been elevated therefrom and prior to return of said suction head thereto for the assembly of storage battery elements with the components thereof in predetermined order in the assembly.

2,626,039

PORTABLE CONVEYER

Jesse B. Wetherington and William F. Rhem, Craven County, N. C.
Application August 28, 1950, Serial No. 181,842
3 Claims. (Cl. 198—37)

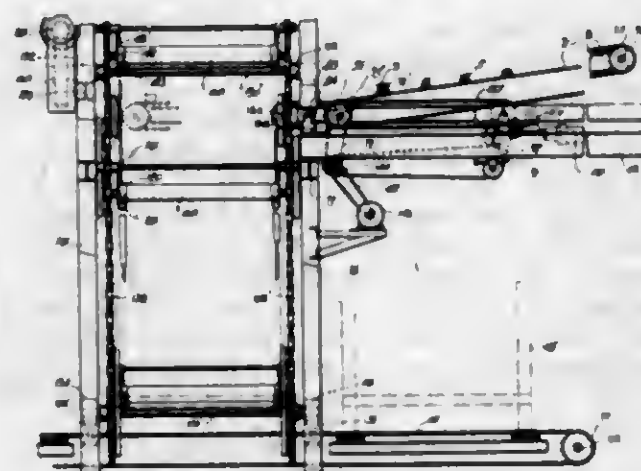


1. The combination with an endless conveyor, of a motor for driving the same, a substantially horizontal support pivotally mounted near one end at a point adjacent the delivery end of said conveyor and positioned to receive material therefrom, a casing, a normally closed switch of the push-button type within said casing for controlling the supply of current to said motor, a member slidably mounted within said casing, means connecting said support to said member to move the same, means carried by said slidable member for engaging and actuating the button of said switch to open the same, and a spring detent serving to restrain the movement of said slidable member until the moving force applied thereto exceeds a predetermined amount and then release the same, whereby the button of said switch is operated with a snap action.

2,626,040

VERTICAL CONVEYER

George E. Lamb, Hoquiam, Wash.
Original application October 11, 1943, Serial No. 505,777. Divided and this application December 11, 1946, Serial No. 715,446
2 Claims. (Cl. 198—163)



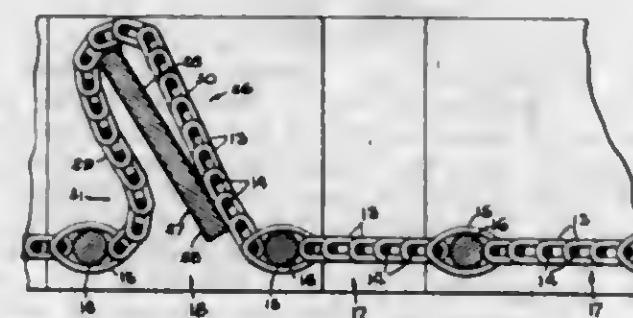
1. In a machine of the character described, two continuous, driven belts, each comprising a pair of laterally spaced chains mounted for travel in unison about upper and lower sets of sprocket wheels and providing inner and outer vertically traveling runs; the inner runs of the two belts

moving downwardly in unison, and being spaced apart for the reception of articles between them, horizontal angle bars extended between the chains of each belt, hangers pivoted on the belts and suspending the said bars from the chains in positions to co-act for the reception and support of loads of material thereon, cam followers on the hangers, cam rails fixed in position along the inner runs of the chains for contact by the cam followers as the bars move downwardly to maintain an exact spacing of co-acting load supporting bars, and for causing the hangers to be swung away from each other at the lower end of the run to move the bars apart for the release of a load supported thereby.

2,626,041

FLEXIBLE CONVEYER

Harold N. Ipsen, Rockford, Ill.
Application March 9, 1950, Serial No. 148,614
5 Claims. (Cl. 198—198)



1. A conveyor having, in combination, a plurality of generally rectangular flexible screen sections arranged in end to end relation, rigid crosspieces connecting said sections together at their adjacent ends to form an endless screen, rigid links extending along opposite side edges of said screen with adjacent ends of adjacent links overlapping each other and pivotally connected to one of said crosspieces, certain ones of said sections being folded intermediate their ends to bring the opposite end portions of each section into face to face relation to form a flight extending transversely of the screen and projecting away from the plane of the latter, and a cross member projecting rigidly from the links at opposite side edges of said folded section and disposed within the latter to support the same loosely from the fold thereof and permit flexing of the walls of the section.

2,626,042

AUTOMATIC WEIGHING MACHINE AND FEED CONTROL MEANS THEREFOR

Luther W. Aldridge, Durham, N. C., assignor to Wright Machinery Company, Durham, N. C., a corporation of North Carolina
Application June 21, 1948, Serial No. 34,188
4 Claims. (Cl. 198—220)

1. A feeding device for weighing machines, comprising: a trough-shaped bulk feed conveyor; and a dribble feed conveyor, said dribble feed conveyor being disposed above said bulk feed conveyor to overlie the same and being of less width and capacity than said bulk feed conveyor and converging in lateral dimension and capacity to-

ward its discharge end, the lateral edges of said dribble feed conveyor being substantially inward of corresponding edges of said bulk feed conveyor whereby excess material being conveyed by said

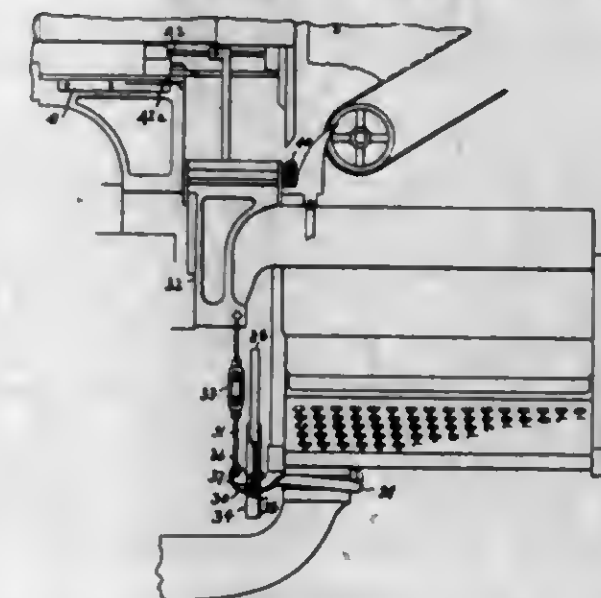


dribble feed conveyor can overflow onto said bulk feed conveyor before it reaches the discharge end of said dribble feed conveyor and separate means for actuating each of said conveyors independently of the other.

2,626,043

ASSEMBLER CONTROL EQUIPMENT FOR TYPE LINE CASTING MACHINES

John R. Brougher, Calvert, Tex.
Application January 10, 1949, Serial No. 69,993
3 Claims. (Cl. 198—32)

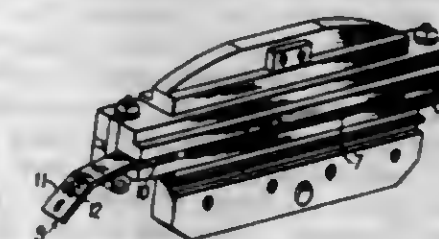


1. In a type line casting machine, a vertically movable assembler adapted to receive and elevate a line of matrices, and a send-in safety bar above, and in vertical alignment with, the assembler and having a longitudinal groove in its underside shaped to receive the adjacent ends of matrices in the assembler said bar being engageable with matrices in the assembler which are elevated above normal position to restore the elevated matrices to normal position, upon termination of the upward movement of the assembler.

2,626,044

MOLD LINER FOR TYPE CASTING MACHINES

Joe Barnes, Columbus, Ohio
Application February 21, 1950, Serial No. 145,492
3 Claims. (Cl. 198—58)

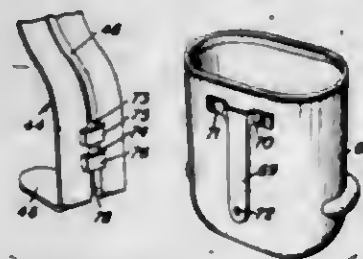


1. A mold liner for forming the end of the cavity of a type casting machine which compris-

es wall sections spaced apart by mold liners between the ends thereof to form a longitudinal cavity for receiving a slug, said mold liner comprising a body adapted to be disposed in the end of the mold, an extension adapted to project outwardly from the mold and longitudinally of the cavity thereof, said extension being provided with indicia on a face thereof for indicating the thickness and length of the liner, said extension being turned downwardly from the plane of the body, the indicia being on the upper face of the downturned portion of the extension.

2,626,045 ASH TRAY

Harlan C. Van Over, Carlisle, Ind., and
Robert A. Siblo, Marion, Ill.
Application December 1, 1950, Serial No. 198,594
4 Claims. (Cl. 206-19.5)



1. In an ash tray, a receptacle which has a side wall with a tongue secured in parallel relation thereto, said tongue having laterally and inwardly extending brackets which are fixed to a side wall of the receptacle thereby spacing the tongue slightly from the receptacle and defining a pocket between the tongue and said wall, a closure for the receptacle, said closure having a hinge with a member extending from the hinge and removably disposed in said pocket to thereby connect said closure to said receptacle, and the lower portion of said tongue constituting a portion of a means for mounting said receptacle.

2,626,046 ANODE PACKAGE

Robert H. Long, Brooklyn Village, Ohio, assignor
to The Harshaw Chemical Company, Cleveland,
Ohio, a corporation of Ohio
Application August 18, 1949, Serial No. 110,919
2 Claims. (Cl. 206-46)

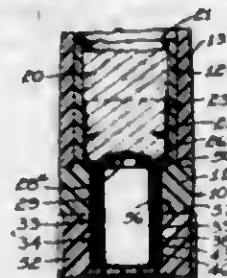


1. A package comprising a plurality of parallel anode bars of generally elliptical cross-section arranged on edge in a pack one anode thick, each anode bar having a side in contact with the side of an adjacent bar, and a plurality of rigid skids secured to said anode bars on the same side thereof in contact with the edges thereof and extending at approximately right angles thereto, each of said skids having a pair of spaced openings extending therethrough, said skids being secured to said anode bars in the relative position aforesaid by means of ties each passing around said bars transversely thereof through said openings and around a portion of a skid longitudinally thereof, each said tie having a top portion extending across the package adjacent to the edges of said bars remote from said skids and said portion being of a length approximately equal to the sum of the maximum

thicknesses of said bars less the difference between the minimum and maximum thicknesses of one of said bars, side portions continuous with said top portion at each end thereof and passing downwardly adjacent a curved surface of an anode bar and a bottom portion connecting said side portions and being of a length approximating the sum of the maximum thicknesses of said anode bars, and said skids being longer than the sum of the maximum thicknesses of said bars.

2,626,047 COSMETIC HOLDER

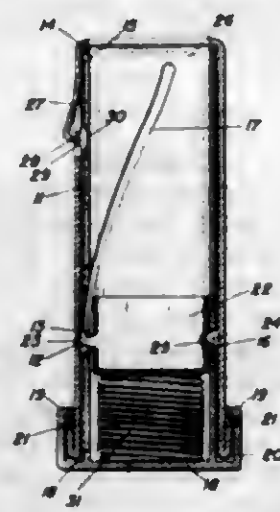
Walton B. Crane, Beverly Hills, Calif., assignor
to Max Factor & Co., Hollywood, Calif., a corporation of Delaware
Application May 3, 1948, Serial No. 24,874
5 Claims. (Cl. 206-56)



4. In a dispenser for creams, pastes and the like, the combination of: a base provided with aligned axial bores, a first of the bores being open at its upper end, the base having a shoulder at the junction of said bores, a carrier mounted for axial sliding movement within the first bore and shaped to conform thereto, advancing means for sliding the carrier axially of the first bore, said advancing means including a cylindrical extension on the carrier, a plurality of telescoping sleeve assemblies mounted coaxially of the carrier extension, helical screw means connecting adjacent sleeve assemblies in rotatable relation and connecting the innermost sleeve assembly to the carrier extension, the outermost sleeve assembly being journaled for rotation within the second of the bores and having a flange at its upper end engaging the shoulder, the second bore terminating in an abutment, an actuator knob engaging the abutment and having a central opening telescopically receiving a portion of the outermost sleeve assembly in driving relation.

2,626,048 RETRACTABLE LIPSTICK HOLDER

Bernard A. Rosen, Baltimore, Md.
Application November 12, 1949, Serial No. 128,895
2 Claims. (Cl. 206-56)

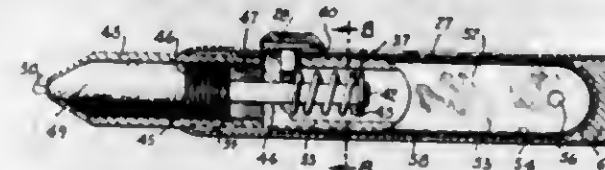


1. A lipstick holder comprising an outer shell having an internal helical groove formed therein,

a casing within the shell having a helical open slot alignable with said groove, a cup within said casing to receive a lipstick, a lug extending laterally from the outer side wall of the cup and projecting through said slot and into said groove, said lug being confined within said groove, a bottom closure integral with said casing, said closure having an upstanding flange outwardly of said shell, whereby when the closure is fixedly held the shell is rotatable about the casing and within the closure to cause rotation and translation of the cup and lipstick outwardly of the shell, the aforesaid cup being spaced from the bottom closure of the casing, a helical spring coiled in the space between the cup and the closure, said spring having its free ends secured to said cup and closure whereby, when the cup moves upwardly and rotates, it unwinds the coils of the spring, and a flexible tongue struck out and extending outwardly of the shell at its upper end, the casing having a series of depressions carried outwardly thereby opposite said tongue, the tongue being manually pressed into one of said depressions to lock the casing and shell against torsional and withdrawing pull of the spring while the lipstick is in extended position, said spring pulling the cup downwardly and assisting its rotation due to its normal winding tendency when pressure on the aforesaid tongue is released.

2,626,049 DISPENSER FOR LIPSTICKS AND THE LIKE

Charles M. Tursky, Englewood, N. J.
Application July 5, 1947, Serial No. 759,075
4 Claims. (Cl. 206-56)



1. A dispenser for a cosmetic preparation comprising an elongated shell open at one end and formed with at least a pair of flat sides extending parallel to each other, a longitudinal slot closed at its ends and formed in one of said flat sides, guide means in said shell cooperating with said flat sides to define tracks therebetween, a flexible, elongated strip forming a shutter member slidable in said tracks to extend across and close said open end of the shell in one position and to be withdrawn from said open end in another position thereof, a flat sided retainer member longitudinally slidable within said shell, said retainer member being formed with an axial aperture and a bore extending toward the slotted side of said shell and opening at its inner end away from said open end of said shell, an opening formed in said shutter member adjacent one end thereof, a headed actuating member having a pin portion extending through said slot and said opening in the shutter member and into said radial bore of the retainer member, a cosmetic holder assembly movable in said shell ahead of said retainer member to project through said open end of the shell and including a shank extending through said axial aperture of the retainer member, and means carried by said shank engaging said retainer member to yieldably secure said holder assembly relative to said retainer member and engaging the inner end of said pin portion to hold the latter in said radial bore, said last-mentioned means comprising an abutment on the free end of said shank and a coil spring on said shank bearing

668 O. G.—51

against said abutment at one end and against said retainer member at the other end thereof, the last coil at said other end of the spring engaging in said groove of the pin portion to resist radial removal of the latter.

2,626,050 FOLDING SHIPPING FRAME FOR GLASS

James M. Freiberg, New Kensington, Pa., assignor
to Pittsburgh Plate Glass Company, Pittsburgh,
Pa., a corporation
Application January 8, 1952, Serial No. 265,390
14 Claims. (Cl. 206-62)



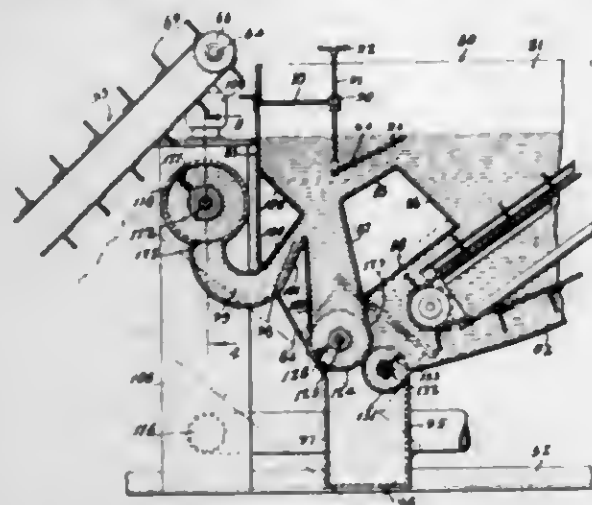
5. An extensible, cushioning edge packing for plate glass and the like comprising, in combination, an elongated strip of flat sheet material having a regular succession of aligned longitudinal slots, the strip being reversely folded along parallel transverse lines with alternate fold lines passing through the slot centers and intervening fold lines lying midway between the slots to form an accordion pleated member having a groove extending longitudinally thereof along one side, a second elongated strip of flat sheet material having a regular succession of alternating narrow and wide portions, the narrow portions being not wider than the slots in the first strip and the wide portions being wider than those slots, the distance from one point on a wide portion to the corresponding point on the next wide portion being substantially less than the distance between the centers of adjacent slots in the first strip, the second strip being reversely folded along parallel transverse lines spaced apart a distance substantially equal to one-half the distance from one point on a wide portion to the corresponding point on the next wide portion to form a second accordion pleated member, the narrower portions of the second accordion pleated member lying within the groove of the first accordion pleated member and the successive wider portions projecting through successive slots in the first strip to interlock the two strips while permitting extension thereof to the limit of the length of the strip forming the second accordion pleated member.

2,626,051 APPARATUS FOR SEPARATING POTATOES

Robert G. Innes, Davenport, Iowa, and George Innes, Altadena, Calif.; said Robert G. Innes assignor to said George Innes
Application November 3, 1948, Serial No. 58,106
3 Claims. (Cl. 209-157)

1. Apparatus for separating potatoes from clods, rocks, dirt and the like, comprising: a tank; a baffle dividing said tank into sections; a pump for establishing a rising flow of water over said baffle whereby said potatoes are separated from said clods, rocks and dirt by flotation over said baffle; a conduit between said pump and the first of said sections having an opening along one of its sides communicating with the first of said sections; a pressure equalizing member concentrically mounted within said conduit and ex-

tending beyond the ends of said opening whereby said rising flow of water is made uniform over the

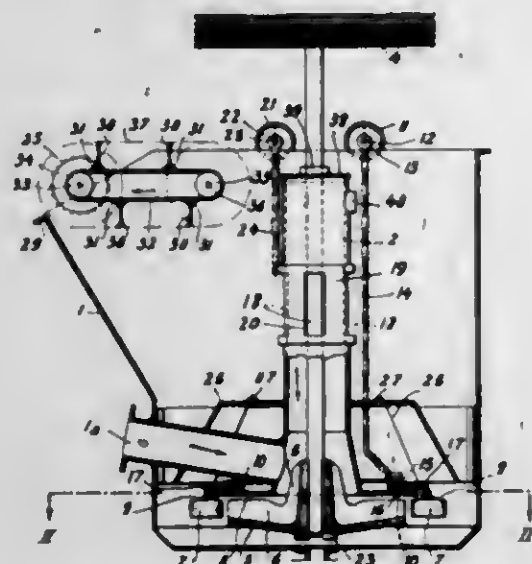


entire length of said opening; and means for removing said potatoes from said tank immediately after said separation.

2,626,052

FLOTATION MACHINE

Robert Carbonnier, Tananarive, Madagascar
Application December 9, 1948, Serial No. 64,315
In France April 11, 1947
2 Claims. (Cl. 209-169)



1. In a flotation machine, a rotary shaft; an impeller fixed to said shaft and provided with a plurality of, generally L-shaped vanes in substantial radial arrangement, each vane including an upper part substantially parallel to the axis of said shaft and a lower part substantially perpendicular thereto; a plurality of pivotal blades arranged around said impeller on a level with said lower parts of said vanes, each blade being associated with a pivot substantially parallel to the axis of said shaft; and means connected to said pivots accessible externally of the machine for controlling simultaneously the angular setting of said blades with respect to radial planes.

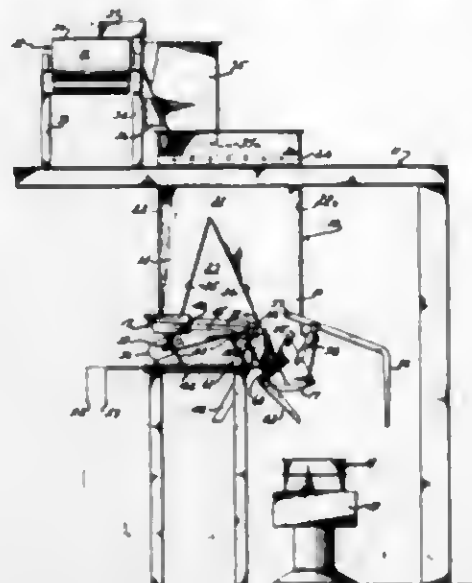
2,626,053

MOLDERS STATION SAND SCREEN

Robert L. Melville, Glencoe, Ill., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill., a corporation of Illinois
Application August 5, 1947, Serial No. 766,153
5 Claims. (Cl. 209-240)

1. A device for preparing sand for a mold comprising in combination a bin having first and

second chutes, means for delivering sand to the first and second chutes of said bin, an auxiliary chute adjacent said second chute, screening means receiving sand from said first chute, said

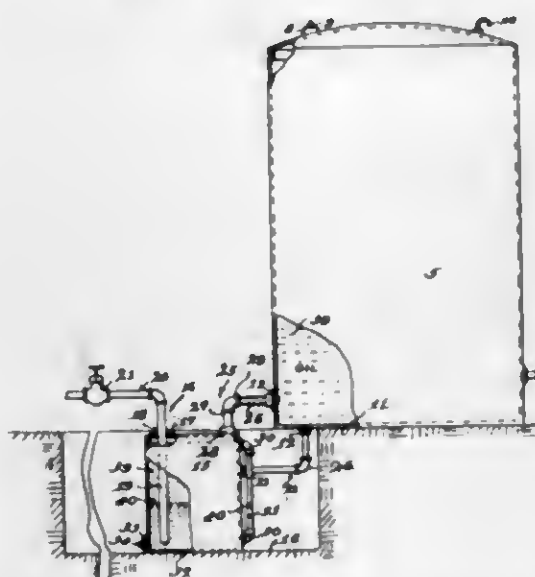


auxiliary chute being disposed below said screening means for receiving sand therefrom and a gate member swingable over said auxiliary chute and said second chute for controlling flow of sand therefrom.

2,626,054

OIL TANK WATER DRAINER

Frank Henigman, Chicago, Ill.
Application September 29, 1950, Serial No. 187,641
3 Claims. (Cl. 210-52)

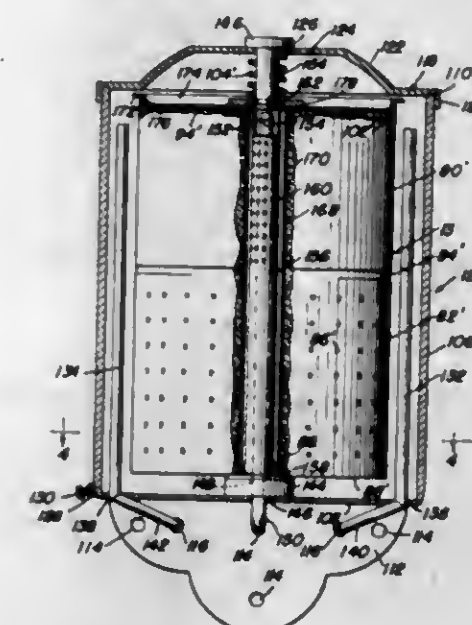


1. The combination with a storage tank containing a liquid having a specific gravity less than the specific gravity of water, of a water drainage unit for use with the storage tank comprising a drainage tank having a top wall disposed below the level of the storage tank bottom, a first conduit having a lower end communicating with the drainage tank substantially above the drainage tank bottom and beneath the top of the drainage tank, said first conduit having an upper end communicating with the storage tank adjacent its bottom, a second conduit having one end communicating with the top of the drainage tank and having an opposite end opening into the storage tank above the upper end of the first conduit, a drainage conduit having an inlet end disposed within the drainage tank and opening adjacent the drainage tank bottom and substantially below the level of the lower

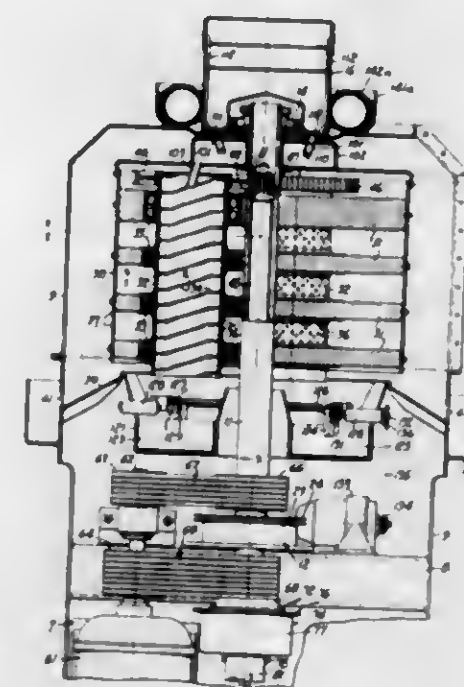
2,626,056

OIL FILTER

David A. Macro, Sheridan, N. Y.
Application February 14, 1951, Serial No. 210,854
1 Claim. (Cl. 210-131)



2,626,055
APPARATUS FOR TREATING MOLASSES
Simes T. Hoyt, Honolulu, Territory of Hawaii,
assignor to Castle & Cooke, Limited, a corporation of Hawaii
Application December 14, 1948, Serial No. 65,093
5 Claims. (Cl. 210-63)

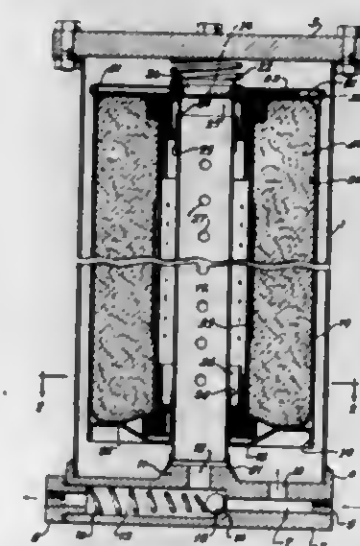


An oil filter comprising a cylindrical container including a bottom and a removable closure, a vertical tube mounted centrally in said container and having a perforated upper portion, an outlet pipe, mounted in the tube in spaced relation thereto, a cylindrical cartridge removably mounted in the container and spaced concentrically therefrom for defining an annular chamber, said cartridge including a shell comprising a perforated lower portion and an imperforate upper portion and further including a perforated core enclosing the tube in spaced, concentric relation thereto, and vertical inlet pipes in the chamber adjacent diametrically opposite sides of the container, said outlet and inlet pipes entering the container through the bottom and terminating in the upper portion of said container.

2,626,057

OIL FILTER FOR DIESEL LOCOMOTIVE ENGINES

Milford L. Clabaugh, Gastonia, N. C., assignor to Wix Accessories Corporation, Gastonia, N. C., a corporation of North Carolina
Application February 7, 1949, Serial No. 74,883
5 Claims. (Cl. 210-148)



1. A centrifuge comprising a hollow shaft, means supporting said shaft for rotation about a vertical axis, a cell carrier mounted on said hollow shaft for rotation therewith, a plurality of cells disposed symmetrically about said shaft and mounted in said cell carrier for rotation in said carrier and with said carrier, each cell having an apertured wall for separating liquid from solids present therein, a gear on the upper end of each cell; a second shaft extending through said hollow shaft, a gear on said second shaft in mesh with each cell gear, means for rotating said hollow shaft at one speed, means for rotating said second shaft at a speed sufficient to rotate said cells in said cell carrier during rotation of said cell carrier including a casing rotatably mounted about said hollow shaft and said second shaft, a first gear on said hollow shaft, a second gear on said second shaft, a first set of planet gears rotatably mounted in said casing and enmeshed with said first gear, and a second set of planet gears rotatable with said first set of planet gears and enmeshed with the second gear.

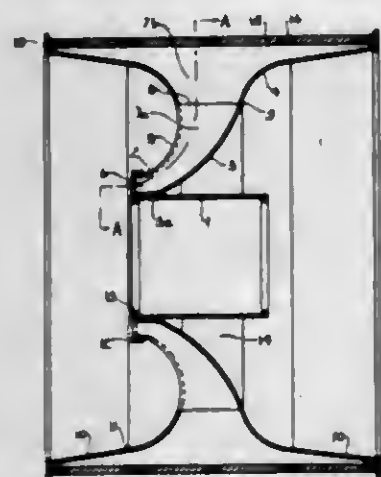
1. An oil filter including a filter replacement unit comprising a perforated center tube, a fabric sock tucked into the center tube, a thin cylindrical sock retainer of uniform diameter throughout

its entire length and arranged within the center tube and confining the tucked sock between it and the center tube and elongated and extending inwardly beyond the socket and preventing material of the sock sloughing off and passing on to an engine oiling system, and a gasket cup assembly including an outer cylindrical cup arranged within the sock retainer, a gasket supported within the outer cup, an inner cylindrical cup arranged within the outer cylindrical cup and engaging the gasket, and a closure cap fitted over said cups and having a flange crimped around the center tube and permanently securing the gasket cup assembly to the center tube so that said assembly will constitute an inseparable portion of the filter replacement unit.

2,626,058

ROTARY DRUM SUCTION FILTER

Frederick H. Allman-Ward, Colchester, England, assignor to Davey, Paxman and Company Limited, Colchester, England, a British company
Application November 12, 1948, Serial No. 59,673
In Great Britain June 23, 1947
2 Claims. (Cl. 210-199)



1. In a rotary drum type filter having a central hub and an outer cylindrical filter screen with a filter cell structure connected between the hub and screen in the form of an annular assembly of circumferentially adjacent filter cells each extending radially from the hub and defining the filter suction outlets, the improvement which consists in building up the filter cells from separate metal pressings welded together in edge to edge relation, said metal pressings being frusto-conical in diametral cross section and comprising common annular pressings axially spaced with respect to said hub and forming the cell side walls and partition plate sections fastened between said walls to extend radially between the hub and outer screen so as to define the separate cells, at least one said cell side wall being formed by separate annular pressings welded together in edge to edge radially co-extensive relationship, said partition plate sections being composed of inner and outer plate sections also welded together in radially co-extensive edgewise relationship and said separate annular plates of the one side wall of the cell assembly being welded together along a joint line which is coincident with the joint line between the partition plate sections.

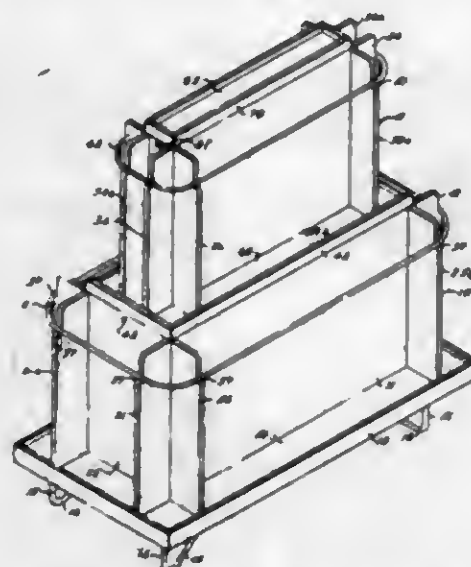
2,626,059

COLLAPSIBLE DISPLAY RACK

Wofford B. Turner, Charlotte, N. C.
Application June 23, 1950, Serial No. 169,884
1 Claim. (Cl. 211-44)

A collapsible display rack including a pair of superposed sections, the upper section being

smaller in lateral and longitudinal dimensions than the lower section and each of the sections comprising a deck, a pair of spaced end walls and a pair of spaced side walls having their lower edges supported on the deck of a section, the end walls each having a pair of spaced notches extending from the lowermost edge thereof and terminating intermediate the vertical height of the end walls, the side walls each having a pair of spaced notches therein extending from the uppermost edge thereof and terminating intermediate the lower edge thereof, the notches in the end walls and the side walls having a combined length equal to the height of the walls so the end walls and the upper walls may be inter-fitted with respect to each other, each of said decks having transversely extending slots therein disposed in alignment with the end walls, said end walls each having a tongue on the lower end



thereof penetrating said slots in the deck, each of said tongues having a slot therethrough and a wedge driven through said slots in the tongues to thus hold the lower edges of the walls in position against the upper surface of the corresponding deck so the end and side walls of the rack will be disposed in fixed relation to the deck, the end walls and side walls of each section projecting outwardly to points adjacent the outer edges of the deck of a section, said end and side walls being spaced inwardly from the outer edges of said decks so as to expose portions of the upper surface of the decks adjacent the outer edges thereof for reception of articles to be displayed, and the deck of the upper section being rabbeted adjacent its side and end edges and interfitted within the confines, and an endless rail encircling the upper portions of the end walls and side walls and fitting snugly thereagainst.

2,626,060

DISPLAY RACK

Harry J. Rubenstein, Kansas City, Mo.
Application October 25, 1950, Serial No. 192,042
5 Claims. (Cl. 211-50)

1. A display rack comprising a support; and a merchandise-receiving unit including a U-shaped element having a bight secured to the support, and a pair of legs extending laterally from said bight and disposed to present a bottom for the unit; a U-shaped element having a bight disposed above said legs to present one side for the unit, said element having a pair of legs, one leg of the element being secured to the support; means joining the other leg of the element with one leg of said member; a U-shaped device having a bight disposed above and in opposed relationship to said bight of said second U-shaped

element to present a second side for the unit, one leg of the device being secured to the sup-

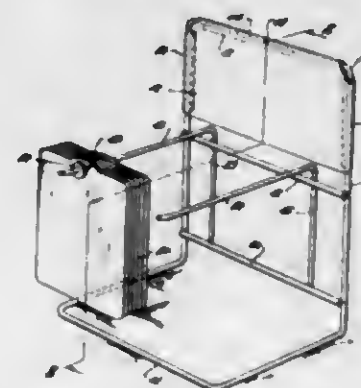
port, for a substantial portion of their length in a plane parallel to said base member and having upwardly curved outer ends.



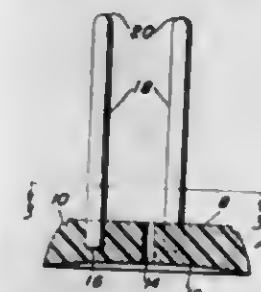
2,626,061

DISPLAY DEVICE FOR MERCHANDISE CARRYING CARDS AND THE LIKE

Raymond E. Girouard, Danville, Ill.
Application October 16, 1950, Serial No. 190,382
1 Claim. (Cl. 211-59)



A display device for merchandise carrying cards and the like, comprising a continuous length of wire bent to form a frame defining a pair of mutually perpendicular rectangular planes; that portion of the wire defining one of said planes constituting a base member and that portion of the wire defining the other of said planes constituting an upright member; the ends of said wire lying in an end-to-end abutting relationship at the top of said upright member; a metallic panel having three of its marginal edges bent around said wire, one of said bent edges embracing said abutting wire ends, the other two bent edges of said panel embracing the sides of said upright member, said bent marginal edges cooperating to hold said wire ends in an axially-aligned end-to-end abutting relationship; a pair of parallel transverse bars disposed below said panel extending between the sides of said upright member and perpendicular to said sides; a plurality of card-supporting bars each attached to both of said transverse bars and being entirely below said panel, said card-supporting bars having one portion in a common plane perpendicular to said upright member extending outwardly from said upright member in the same direction as said base member and at a substantial distance thereabove, said card-supporting bars lying



2,626,062

BOBBIN HOLDER

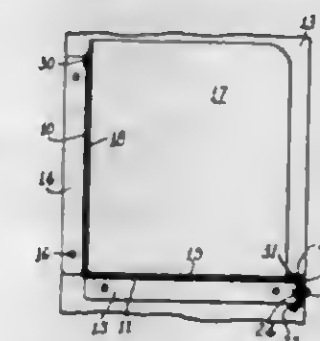
Joseph Manzella, Lindenhurst, N. Y.
Application April 30, 1951, Serial No. 223,721
1 Claim. (Cl. 211-59)

A bobbin holder of the class described comprising in combination a portable base adapted to rest on a sewing machine at a convenient place for use, the bottom side of said base being recessed, a plurality of perpendicular bobbin accommodating and stacking pins attached to and rising from said base and located at circumferentially spaced points, whereby bobbins may be systematically racked and held on said base by way of said pins, said base having a central bearing hole, and a flat top, said pins being readily applicable and removable, and a rotary holder attachment for said base comprising a disk which is applicable to said base after said pins have been removed, said disk being provided with a central spindle and also provided with upstanding bobbin racking pins.

2,626,063

SHELF PARTITION

John E. Echlin, New Haven, Conn., assignor to Beryl G. Echlin, New Haven, Conn.
Application June 4, 1946, Serial No. 674,246
2 Claims. (Cl. 211-184)

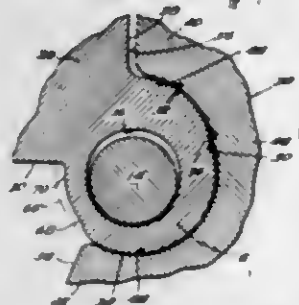


2. A shelf structure comprising a shelf, means for supporting the shelf, said shelf comprising a back portion and a base portion disposed substantially at right angles to each other, a partition member having a plane body portion standing substantially perpendicularly to said shelf portions and having an integrally formed horizontally disposed flange at its lower edge and an integrally formed vertically disposed flange at its rear edge, the flanges being adapted to lie against the base and back portion of the shelves respectively, a member secured to the base portion of the shelf and embracing a portion of the horizontally extending flange to clamp this flange to the base portion, and the vertically disposed flange having a downwardly projecting tongue struck therefrom to engage over the upper edge of the back portion of the shelf.

2,626,064

COUPLER PIN PROTECTOR

Frank H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 6, 1949, Serial No. 108,877
7 Claims. (Cl. 213-155)

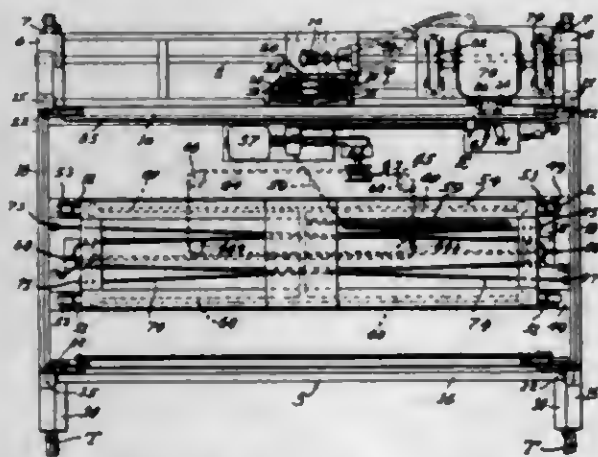


1. In a coupler, a coupler head comprising spaced top and bottom ears with bosses on their adjacent sides, a knuckle extending between said bosses and loosely rotatably connected thereto on an axis accommodating shifting of the knuckle laterally and longitudinally of said coupler, U-shaped shoulders on the top and bottom of said knuckle loosely partially surrounding respective bosses, each shoulder comprising inner and outer legs and an intermediate portion interconnecting the legs, said inner and outer legs and said portion being disposed along the inner and outer and inboard sides, respectively, of the associated boss in the closed position of said knuckle, each boss being provided with convex surfaces on its inner and outer sides and a substantially flat surface on its inboard sides extending between and merging with the adjacent convex surfaces, each shoulder being provided with concave surfaces on its inner and outer legs adapted to be positioned in concentric relationship with the convex surfaces on said bosses when said knuckle is in closed position, each portion having a substantially flat surface adapted to lie along the flat surface on the related boss in the closed position of said knuckle, said bosses having their outboard sides offset and spaced inboardly of the path of movement of said surfaces on said outer legs during rotation of said knuckle when said knuckle is shifted a maximum amount laterally of said coupler in a direction inboardly of said bosses.

2,626,065

AUTOMOBILE PARKING ELEVATOR

Leo K. Sanders and Vaughn A. Sanders, Northport, Wash., assignors to Pigeon-Hole Parking, Inc., Northport, Wash.
Application August 15, 1949, Serial No. 110,296
5 Claims. (Cl. 214-16.1)



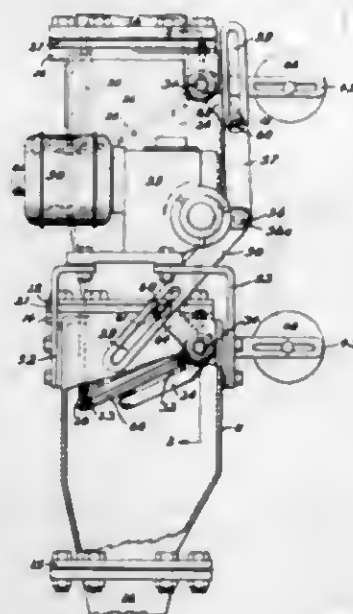
3. In a parking apparatus, a tiered storage structure having transversely extending stalls at each level in side by side relation to each other,

a guide frame movable longitudinally of said structure across open ends of said structure and having upright guide posts, an elevator disposed transversely of the structure and movable vertically in said frame to selected levels of said structure, a carriage on the elevator longitudinally shiftable into and out of said stalls, a vertically shiftable jack frame on said carriage engageable under a vehicle longitudinally thereof, means carried by said carriage for shifting the jack frame to selectively support or deposit a vehicle, a drag bar on the elevator shiftable longitudinally thereof, pulleys journaled one adjacent each end of said drag bar, a cable having an end secured at one end of said elevator and the opposite end secured to the corresponding end of said carriage and being trained about the pulley at the opposite end of the drag bar, a second cable secured at its ends to the corresponding ends of said elevator and carriage opposed to their first mentioned ends and being trained about the other pulley, a power driven winch, and a cable having its central portion wound about said winch and its ends secured at the opposed ends of said drag bar whereby said drag bar may be shifted longitudinally to move said carriage on and off of said elevator.

2,626,066

ALTERNATE TIPPING VALVE

Robert Rasmussen, Detroit, Mich.
Application September 29, 1947, Serial No. 776,739
1 Claim. (Cl. 214-17)



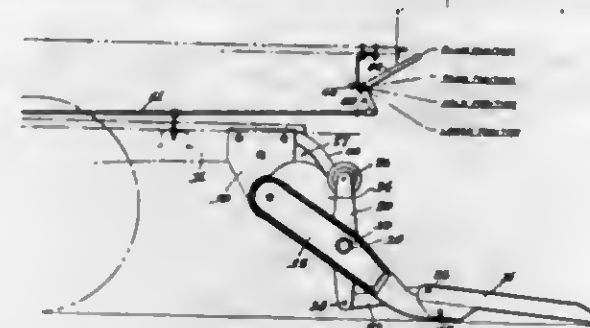
In an alternate tipping valve construction having a material conveying conduit, two spaced valve seats in the conduit, two valve closure members each pivotally mounted to swing between an open position and a closed position relative to one of the valve seats, and means biasing each valve closure member toward a closed position, the combination comprising: an operating arm rigidly connected to each of the valve closure members to swing about the axis of the pivotal mounting of the closure member, the two valve operating arms being substantially parallel to each other when the valve closure members are in closed position but extending in opposite directions radially from their respective axes of rotation; a drive shaft located midway between the two axes of rotation of said operating arms with its axis lying in a plane containing the two axes of the operating arms; a crank rigidly connected to the drive shaft; a pin on each of the operating arms near the outer end thereof; and a pair of rigid driving links connected at one end to the crank and each having a longitudinally

extending slot receiving the pin on a different one of the operating arms whereby the valve closure members are moved in succession to open positions by the links and to closed positions by the biasing means when the drive shaft rotates.

2,626,067

TAIL GATE FOR LOADING AND UNLOADING VEHICLES

Robert Fltz W. Berford, Dearborn, and Clinton W. Wood, Grosse Point Farms, Mich., assignors to Phil Wood Industries Limited, Windsor, Ontario, Canada, a company of Canada
Application August 8, 1949, Serial No. 109,215
19 Claims. (Cl. 214-77)

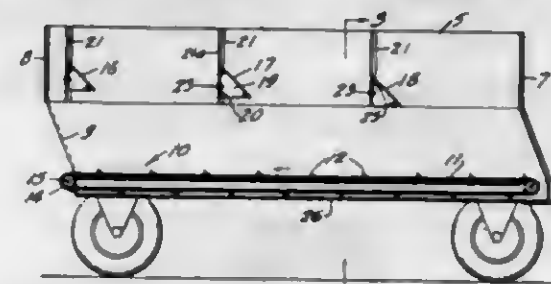


1. Apparatus for loading and unloading vehicles, comprising, a torque member, means for mounting the torque member on a vehicle for rotation, spaced arms rigidly secured to the torque member and extending outwardly of the vehicle, a loading platform pivotally connected to said arms, means for rotating the torque member, levers pivoted between their ends on an axis substantially parallel to but spaced from the torque member, links pivotally connected at one to one end of said levers and at the other end to the platform at points which are above the points of connection of said arms to the platform and are closer than such points to the torque member, and means adapted to cooperate with the other end of said levers to maintain the platform substantially horizontal during raising and lowering thereof.

2,626,068

UNLOADING MECHANISM FOR FARM WAGONS

Clifford R. Bradshaw, Rock Elm, Wis.
Application October 13, 1949, Serial No. 121,210
1 Claim. (Cl. 214-83.36)

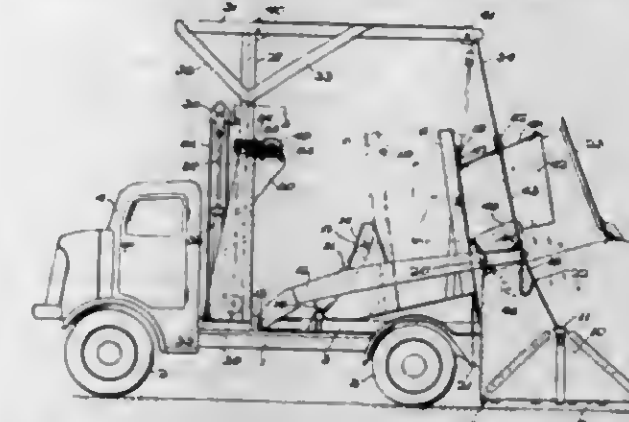


For a wagon having side and end walls and a floor, one of said end walls having a removable member providing an opening through which material carried in the wagon may be discharged, the combination with a conveyor extending along the floor of said wagon to discharge material through said opening, a plurality of baffle plates extending across and above said conveyor in spaced relation one to another intermediate its ends, said baffle plates being inclined with their upper edges disposed rearwardly of their respective lower edges and means adjustably connect-

2,626,069

COLLECTING, TRANSPORTING, AND DUMPING EQUIPMENT

Harry W. Jones, Knoxville, Tenn., assignor to Dempster Brothers, Incorporated, Knoxville, Tenn., a corporation of Tennessee
Application September 26, 1949, Serial No. 117,887
15 Claims. (Cl. 214-302)

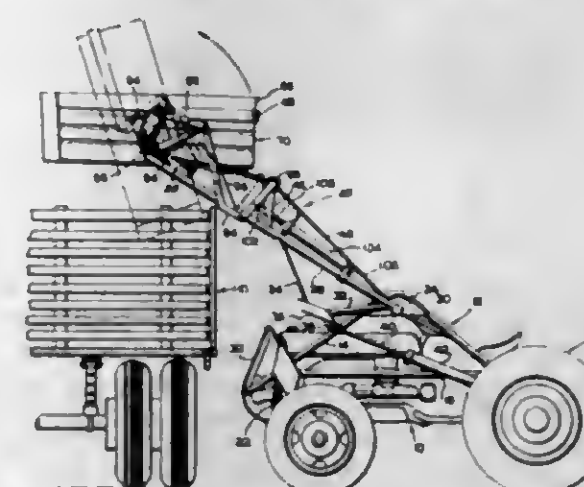


1. In transporting equipment, the combination of a vehicle and a receptacle carried adjacent the rear end thereof, a dump container, a boom pivoted on said vehicle and having hoisting means thereon for picking up said container at one side of the vehicle, said boom and the elevated container being swingable to a position above said receptacle, an upright frame movable forwardly on said vehicle out of the path of the swinging container and then movable rearwardly into engagement with said container at said position, and means on said frame for engaging and supporting said container above said receptacle when said hoisting means is lowered to dump the contents of said container into said receptacle.

2,626,070

MATERIAL HANDLING DEVICE

James B. Ezell and Jesse G. Tucker, Jr., Bradenton, Fla., assignors to Ezell Fruit Company, Bradenton, Fla., a corporation of Florida
Application December 17, 1951, Serial No. 262,024
11 Claims. (Cl. 214-313)



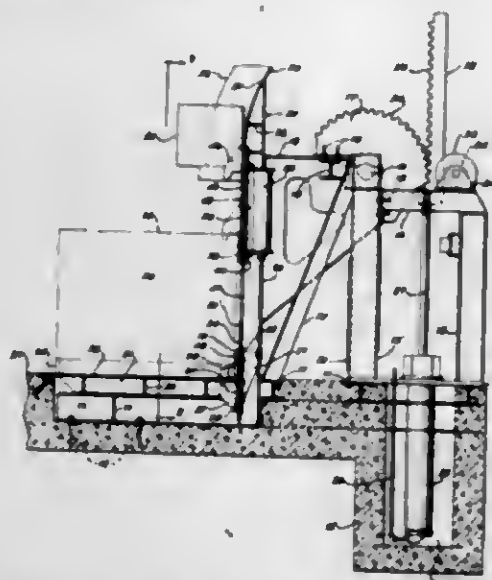
5. A material handling apparatus for detachably lifting and carrying, elevating into a position over a truck body, dumping thereinto, returning to carrying position, and releasing at a desired location each of a plurality of like open-

top receptacles each having a pair of pivot studs projecting outwardly from opposite sides thereof, comprising: a tractor; hydraulic power means carried thereby; a boom pivotally attached to said tractor and connected to said power means for vertical swinging movement thereby into an elevated position over a truck body, said boom comprising spaced arms having free forward ends located beyond the front end of said tractor, said arms being adapted to straddle the opposite sides of a receptacle by substantially horizontal forward movement of said tractor; means rigid on said arms adjacent their forward ends defining a pair of upwardly-opening recesses for readily and detachably receiving the receptacle pivot studs in pivotal and lifting engagement by upward swinging movement of said boom; lever means mounted on said arms adjacent the forward end thereof for pivotal movement about a horizontal axis, said lever means extending rearwardly and substantially horizontally and having a rear portion detachably engageable with the receptacle at a location spaced rearwardly a substantial distance from the pivot studs thereof, said engagement being effective to positively rotate the receptacle in both angular directions about the axis of its pivot studs by swinging movement of said lever means; and hydraulic power means mounted on said boom and connected to said lever means for swinging said rear portion thereof upwardly and forwardly about said horizontal axis to dump material from the receptacle after the latter has been elevated by said boom, and downwardly and rearwardly to return the receptacle to carrying position on said arms.

2,626,071

RECEPTACLE DUMPING APPARATUS

Arthur Dean Smith, Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif., a corporation of Delaware
Application January 31, 1950, Serial No. 141,367
6 Claims. (Cl. 214-314)



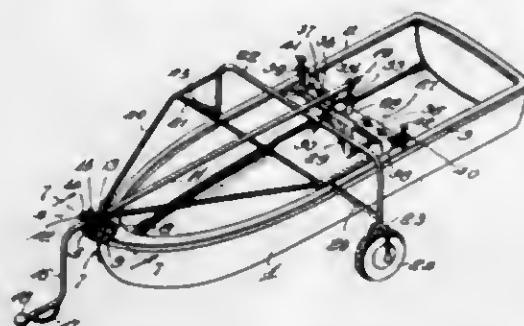
1. Apparatus for dumping the contents of receptacles containing scrap metal and the like comprising a receptacle receiving means, said receiving means including a platform and a backboard, web means extending from said backboard, a gear segment attached to the extremity of said web means spaced from said backboard, rack means extending from a vertically disposed shaft and engaging said gear segment, hydraulic means for actuating said rack means, a fixed frame comprising a plurality of upright members and a cross-member upon which said gear segment is journaled for pivotal movement so that upon

reciprocation of said rack means the gear segment is actuated to move said receptacle receiving means in an arcuate path about said fixed frame to thereby discharge the contents of the receptacle and thereafter return said receptacle receiving means to its initial position, and a pair of adjustable, receptacle engaging clamps spaced longitudinally from each other on the said backboard and slidable along the inner surface of the said backboard, one of said clamps being adapted to engage the upper portion of said receptacle and the other of said clamps being adapted to engage the lower part of said receptacle.

2,626,072

MEANS FOR SUSPENDING A BOAT FROM A TRAILER

Charles H. Holsclaw, Evansville, Ind.
Application August 5, 1948, Serial No. 42,688
6 Claims. (Cl. 214-373)

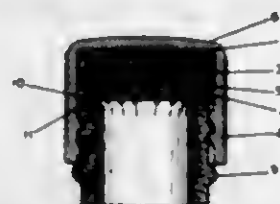


1. Suspension unit for a boat comprising a transverse bar having an adjustable section on each end thereof, said sections being engageable beneath the gunwales of a boat, bifurcations formed in the outwardly directed extremities of said sections, hinge members carried by the bifurcated extremities of said adjustable sections and movable from a retracted position above said bar to a position over the opposite gunwales, an adjustable clamping screw carried by each of said hinged members and engageable with the upper surface of the gunwales, and a spring suspension device disposed centrally of said central transverse bar and engageable with the frame of a trailer.

2,626,073

VENTING CLOSURE AND LINER THEREFOR

George R. Miller, Jr., East Hempfield Township, Lancaster County, and Arthur W. Weldner, York, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 30, 1948, Serial No. 36,094
2 Claims. (Cl. 215-40)



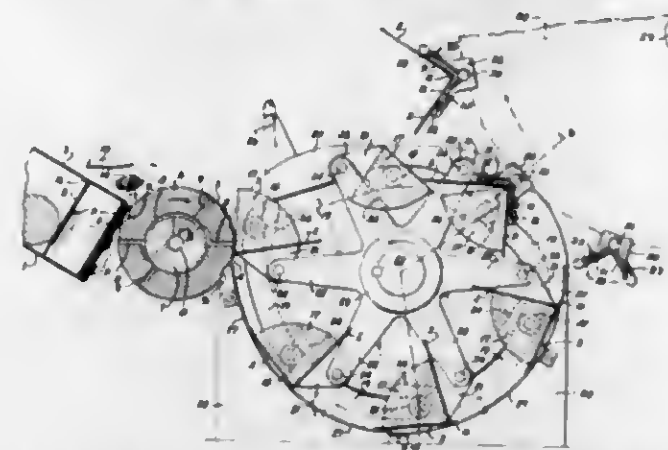
2. In combination with a container having a bead, a threaded venting closure having at least medium length skirt and containing a liner adhesively secured thereto, said liner including a medium pore size sponge rubber backing having adhered thereto a facing layer of impermeable rubber of such thickness that the facing layer does not indent into the pores of said sponge upon application of said closure to said container, the skirt of said closure resting upon the bead of said

container thereby maintaining sufficient resilience in said liner to enable compression thereof upon the development of pressure within said container whereby the pressure-developing gases may be allowed to vent from said container and escape to the atmosphere around the threads of said closure.

2,626,074

SUPPLYING SHEET MATERIAL ARTICLES

Clarence W. Vogt, Norwalk, Conn.
Application June 17, 1949, Serial No. 99,611
8 Claims. (Cl. 216-55)

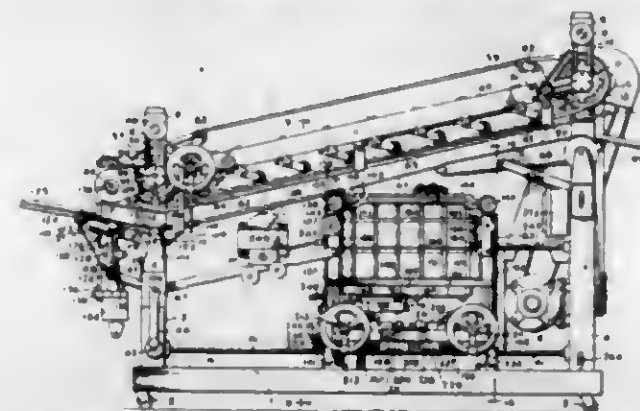


1. Apparatus for successively feeding and applying sheet material articles having a folded edge portion which comprises a support for a plurality of said articles, means for withdrawing the leading one of said articles and opening said folded portion to divergent position, a movable member to enter and engage interior surfaces of said folded portion, and receiving surfaces to receive said article and remove it from said movable member for use.

2,626,075

CAN LABELING MACHINE

Charles M. Hesson, Hanover, Pa., assignor to Chisholm-Ryder Company of Pennsylvania, Hanover, Pa., a corporation of Pennsylvania
Application May 5, 1950, Serial No. 160,320
7 Claims. (Cl. 216-58)



1. A can labeling machine comprising a run-way including track sections, a label applying station in said runway, a feed table, and means operable intermittently to actuate the feed table to feed labels to said applying station, said actuating means being controlled by the height of a pack of labels relative to said applying station and comprising a ratchet mechanism, a control disc for the ratchet mechanism, a holding pawl for the control disc, means normally urging said disc in a direction to effect actuation of said ratchet mechanism and cause feeding of labels to said applying station, operating means for re-

440 O. G.—52

2,626,076

PINEAPPLE BOX WITH STACKING FEATURE AND HINGED ENDGATE

William L. Hole, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application June 12, 1948, Serial No. 32,597
11 Claims. (Cl. 217-13)

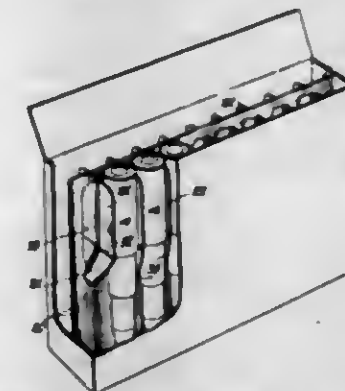


1. A pineapple box comprising a pair of vertically disposed spaced side walls, a pair of bottom longitudinal rails, each of said bottom rails being disposed adjacent its associated side wall; bottom transverse rails; a floor supported on the tops of said bottom transverse rails in spaced relation with the bottom of said rails; a pair of vertically disposed end walls; each of said end walls having an upper transverse top rail; each of said side walls being provided with a longitudinally extending top rail; said transverse top rails each extending above the upper surface of said longitudinally extending top rails and extending a distance less than the distance between said bottom longitudinal rails and adapted to fit between the bottom longitudinal rails of a like superimposed box.

2,626,077

SEPARATOR FOR CARTRIDGE CARTONS

Richard C. Marshall, Kansas City, Mo., assignor to Mars-Hall, Incorporated, Kansas City, Mo., a corporation of Missouri
Application November 13, 1952, Serial No. 320,200
1 Claim. (Cl. 217-28)

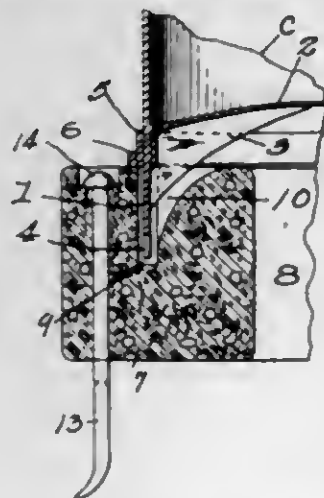


A separator for cartridge cartons comprising a flat sheet of foldable material; a plurality of parallel, laterally extending, elongated tabs cut from the said sheet of material, each tab being formed by a line of cut at one longitudinal edge and a line of cut at both ends thereof, respectively, and a relatively short line of fold and an aligned short line of cut at the opposite longitudi-

nal edge, said short line of cut extending inwardly from the normally lowermost end of the tab to a point of juncture with said short line of fold, the line of cut forming the said lowermost longitudinal end being inclined inwardly from a point opposite the inner end of the said relatively short line of cut to the other end of said short line of cut at the said lowermost end of the tab whereby the width of the tab adjacent the lower end progressively decreases as the lower end is approached; and a line of score extending transversely across the tab from the point of juncture between the said short cut and said relatively short line of fold aligned therewith to set off an ear portion on the tab, said ear portion being inclined downwardly and outwardly from the line of score and in engagement with the marginal edge of said inwardly inclined cut, when the tab is moved to its laterally extended position, whereby to bridge the opening in the sheet and to hold the tab against returning toward its initial position.

2,626,078

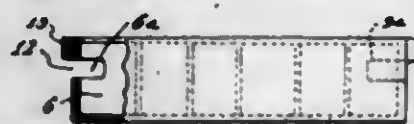
NONUPSETTING GARBAGE CAN
Clarence L. Hutchisson, Jr., and John D. Spaulding, Mobile, Ala.
Application March 25, 1949, Serial No. 83,394
2 Claims. (Cl. 220-18)



1. The combination with a rigid and fixed base having a flat top and an annular groove in its upper face, an open center, and a series of radially arranged grooves opening into the annular groove, of a portable can having an elevated bottom providing a depending skirt for the can, a series of radially arranged braces seated in the radially arranged grooves and located between the bottom of the can and its skirt, said skirt having a serrated free edge seated in the annular groove, and an exterior annular shoulder rigid with the upper portion of the skirt seated on the base.

2,626,079

BOTTLE CARRYING CASE
Charles L. Keller, Winnetka, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application August 15, 1946, Serial No. 690,736
4 Claims. (Cl. 220-21)



1. A one-piece, vulcanized rubber molded case with non-cross braced partition structure, the end walls having elongated finger holes therein for lifting purposes, the end walls of said case having

an external ledge developed by increase of the end wall thickness at substantially the level of the top of the finger holes, the added thickness developed by this ledge occupied by a continuous, unitary strengthening insert of material of higher tensile strength than that of the composition of the case and molded thereagainst.

2,626,080

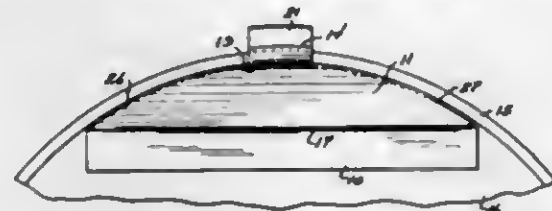
CLOSURE DEVICE FOR APERTURES
Eric Birger Fernberg, Pinner, England
Application February 26, 1948, Serial No. 11,197
In Great Britain October 17, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 17, 1965
1 Claim. (Cl. 220-25)



A removable closure device for covering an aperture, including a cover plate formed with a rim, a recess enclosed by the rim, a pair of diametrically opposed slots in the walls of the recess, a leaf spring having its respective ends threaded through the two slots so that the major part of the spring lies on one face of the plate and the two ends lie on the other face, and a portion of the spring extending away from the underside of the rim being bowed downwardly and inwardly and providing a curved portion which can be resiliently snapped over an edge of the aperture to be covered and forms with the rim a V-shaped mouth in which the edge may be gripped.

2,626,081

PAINT CAN BRUSH SCRAPER
Ralph A. Weed, Canton, Ill.
Application February 23, 1951, Serial No. 212,332
2 Claims. (Cl. 220-90)



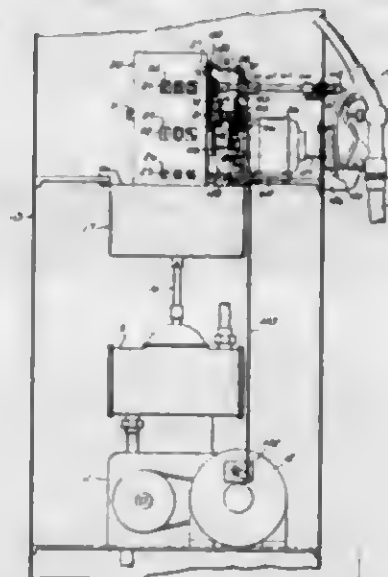
1. A paint brush scraper comprising a horizontally disposed plate, rectangular shaped in plan having straight sides and ends, a sector having a straight edge at one side corresponding with one of the straight sides of the plate, sloping downwardly from said straight side of the plate and having an arcuate edge on the side opposite to the side corresponding with the straight side of the plate, said arcuate edge shaped to nest against the inner surface of a cylindrical wall of a paint can, spaced legs extended downwardly from the arcuate edge of the sector and also positioned to nest against the inner surface of a paint can in which the scraper is positioned, and a tongue extended upwardly from the arcuate edge of the sector and positioned at a point midway of the length of the sector, said tongue being substantially U-shaped in cross sec-

tion and adapted to extend over an edge of a paint can to suspend the plate and sector on the inside of the paint can and at a point spaced from the upper edge thereof.

adjustable abutment member mounted in a lateral offset position upon said handle and in co-operative staggered relationship with respect to said lever to limit the opening of the hopper

2,626,082

RESETTING AND INTERLOCK MECHANISM FOR LIQUID DISPENSING APPARATUS
Harvey N. Bliss, Windsor, and Otto Wild, Jr., West Hartford, Conn., assignors to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application July 11, 1950, Serial No. 173,202
18 Claims. (Cl. 222-34)

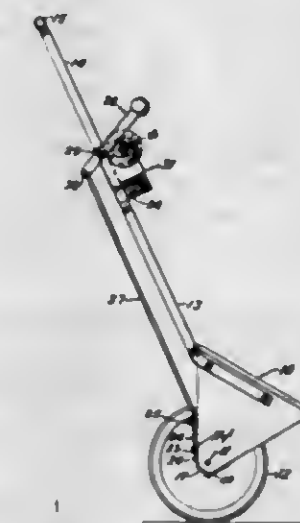


1. In a liquid dispensing apparatus, a register provided with reset means including a rotatable reset shaft, a reset motor, means providing a driving connection between the reset motor and the reset shaft, a switch for controlling the operation of the reset motor, pivotally mounted means engageable with the reset means when the reset shaft is in zero position for locking the reset shaft in such position, means biasing the locking means into locking position, means movable with the locking means for closing the reset motor switch when the locking means is in unlocking position and for opening the reset motor switch when the locking means is in locking position, manually operable means for moving the locking means to unlocking position to initiate a resetting operation, and clutch means in said driving connection means for permitting over-running of the reset motor at the completion of a resetting operation.

2,626,083

CALIBRATED FERTILIZER SPREADER ADJUSTMENT
Edwin L. Masters, Benton Harbor, Mich.
Application August 20, 1949, Serial No. 111,504
7 Claims. (Cl. 222-48)

7. In a fertilizer spreader, a mobile hopper containing said fertilizer, adjustable fertilizer feed mechanism for said hopper, a handle to guide said hopper and terminating in a hand grip, and adjustable feed control means carried by said handle near said hand grip and connected with said feed mechanism to regulate the latter, said feed control means comprising a hand lever swingably supported upon said handle in lateral offset relation with respect to the handle and within easy reach from said hand grip to close said feed mechanism when drawn toward said hand grip and to open said feed mechanism when actuated away from said hand grip, and an



feed mechanism whereby a given feed is established, said feed mechanism being operable to closed position at any time by said lever by drawing the lever toward said hand grip.

2,626,084

TOOTH POWDER DISPENSER
Adam Wekerle, St. Louis, Mo.
Application November 20, 1950, Serial No. 196,587
4 Claims. (Cl. 222-126)



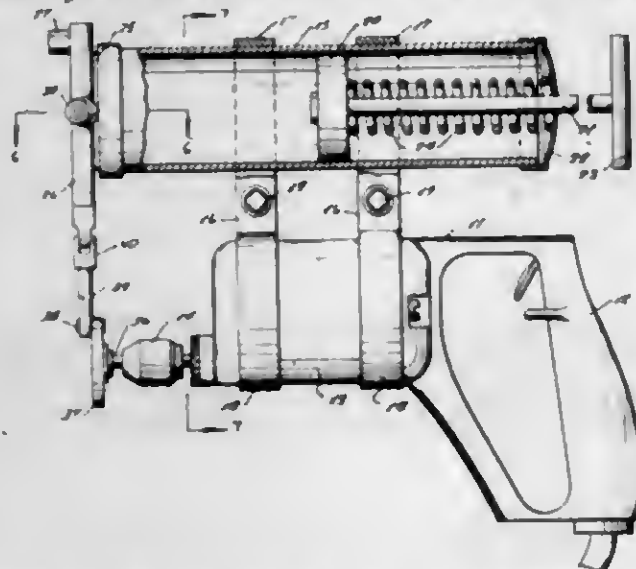
1. A tooth powder dispenser comprising a container having a discharge opening in its bottom, valve means for the opening, a hinged member at the bottom of the container, and a chamber in said member spaced from the bottom thereof and having an open top held in registry with the discharge opening and also having an open end adapted to receive a tooth brush for supporting in the chamber under the discharge opening, said chamber having a grilled bottom for the passage of excess powder therethrough to the bottom of said hinged member.

2,626,085

ELECTRIC HAND GREASE GUN
George G. MacKinnon, Guilford, Maine
Application December 30, 1949, Serial No. 136,065
2 Claims. (Cl. 222-262)

1. A grease gun attachment for use on an electric drill of the type including a drive motor, a longitudinally extending driven chuck extending from one end of said motor and operatively connected thereto, and a handle projecting from the other end of said motor, said attachment comprising a grease cylinder adapted to be arranged in spaced parallel relation with respect to said motor, clamp means arranged to operatively con-

nect said drive motor to said cylinder for rigidly supporting the latter parallel to said motor, a discharge cylinder disposed transversely of and exteriorly of said grease cylinder contiguous to the end of the latter adjacent said driven chuck and rigidly secured to said grease cylinder in communication therewith, a discharge nozzle positioned contiguous to one end of said discharge cylinder and connected thereto in communication therewith, a piston positioned within said grease cylinder and mounted therein for movement toward and away from said one end thereof, resilient means operatively connected to said piston for biasing the latter toward said one end



of said grease cylinder for urging the grease within the latter toward said discharge cylinder, a plunger positioned within said discharge cylinder and mounted therein for longitudinal reciprocatory movement toward and away from said discharge nozzle, means arranged to detachably connect said plunger to said driven chuck and arranged to reciprocate the former in response to the rotary movement of the latter, and air inlet means formed in said discharge cylinder whereby, upon movement of said plunger away from said discharge nozzle grease is drawn into said discharge cylinder, and upon movement of said plunger toward said discharge nozzle, grease is forced out of the latter.

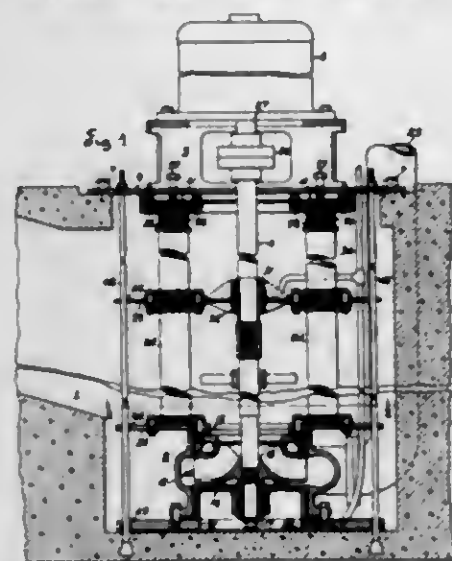
2,626,086

PUMPING APPARATUS

Frank R. Forrest, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.

Application June 14, 1950, Serial No. 167,973

10 Claims. (Cl. 222-385)



1. A rotary pump assembly of the type adapted to operate in a tank containing material to be

pumped therefrom, comprising, a stationary member adapted to be secured to an upper portion of said tank, a pump having a casing adapted for positioning on a submerged surface of said tank, means for resiliently connecting said pump casing to said stationary member including rigid compression members operably attached to and extending vertically from said casing and resilient means operatively disposed in relation with said stationary member and said compression members for allowing relative movement therebetween.

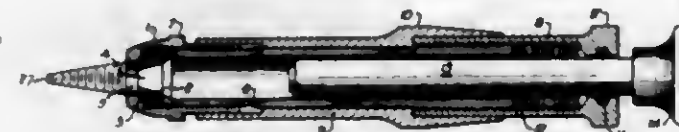
2,626,087

SYRINGE WITH VERNIER ADJUSTMENT

Alfred S. Howard, Shaker Heights, and William Selesnick, Cleveland Heights, Ohio

Application October 29, 1947, Serial No. 782,844

3 Claims. (Cl. 222-390)



1. In a portable hand controlled fluid suction and discharge device, a hollow barrel and a plunger slidably mounted therein to provide a suction chamber in said barrel below said plunger, a collet adapted to releasably receive a pipette and longitudinally adjustably mounted on the lower end of said barrel, a hollow thimble adjustably mounted externally about the upper end of said barrel by relatively fine low pitch meshing screw threads, sealing rings carried internally by said barrel and thimble to be engaged by said plunger, the latter of which sealing rings has a relatively greater frictional grip on said plunger, said plunger being slidably moved in said barrel by manually rotating said thimble relative to said barrel, said plunger being directly manually adjustable longitudinally in said barrel by the same hand independently of relative rotation of said barrel and thimble.

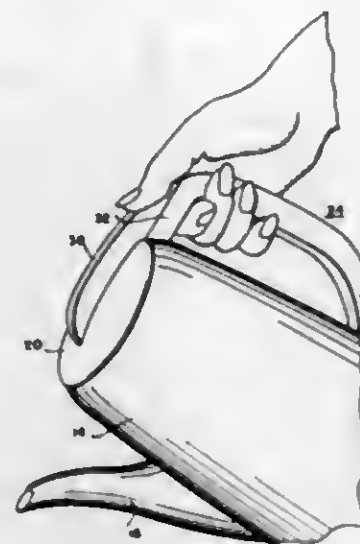
2,626,088

BEVERAGE POT WITH INSULATED COVER HANDLE

John N. Polivka, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application August 7, 1950, Serial No. 178,123

3 Claims. (Cl. 222-465)



1. A beverage pot comprising an upright body having a top opening, a removable cover for the

opening, a carrying handle of heat insulating material mounted on the body with a main hand-grip portion spaced from the body and extending vertically thereon and terminating near the opening, and a handle member of heat insulating material secured to the cover and having a radial extension overlying and engaging the upper end of the carrying handle when the cover is closed, said extension having a substantially horizontal lower surface projecting to the top of the carrying handle and having a downwardly and outwardly inclined upper surface merging smoothly with the carrying handle for direct engagement beneath the thumb of a hand normally grasping the carrying handle.

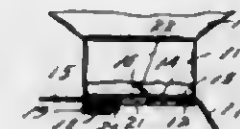
2,626,089

POWDERED AND GRANULATED MATERIAL CONTAINER WITH SELF-CLOSING DISPENSING VALVE

Ernest J. Osfar, Minneapolis, Minn.

Application January 15, 1947, Serial No. 722,172

1 Claim. (Cl. 222-511)



In a dispenser of the class described, a container applicable to a wall and having a cover-equipped top and a hopper bottom terminating in a rectangular trap having upper and lower bottom members provided at one of their end portions with aligned upper and lower discharge openings, an inclined apron in the trap leading from the hopper to the upper discharge opening, a cut-off slide between said bottom members and having a discharge opening arranged to be brought into registration with the discharge openings in said bottom members to form a continuous passageway from the trap to the exterior of the container, said lower bottom member having therein a longitudinal slot, a depending pin secured to the slide and working in the slot, said pin affording a stop for the slide when its discharge opening is aligned with the discharge openings in said bottom members, said lower bottom member having a depending lug spaced from the inner end of the slot, and a coiled spring between the pin and the lug and normally holding the slide retracted, the outer end portion of the slide being bent to afford a finger piece.

2,626,090

EVERTING DEVICE

Margaret T. Horsley, Houston, Tex., assignor of one-half to Joseph Woerner, Houston, Tex.

Application April 29, 1950, Serial No. 159,096

5 Claims. (Cl. 223-42)

1. A device for turning tubular fabrics including, an elongate tubular sleeve having a radial projection at one end thereof, a rod slidable within the sleeve with one end extending from that end of the sleeve on which the projection is mounted, a handle element secured to the extending end of the rod, flexible inherently expansible gripping members carried by the opposite end of the rod and movable into and out of the bore of the sleeve in accordance with the movement of the rod relative to the sleeve, said members being expanded into a non-gripping position when located outside of the bore of the sleeve and being retracted into a gripping position when moved inwardly of the

bore of said sleeve, and spring means acting upon the rod of said sleeve for constantly urging the



rod in a direction which will move the gripping members inwardly of the bore of the sleeve.

2,626,091

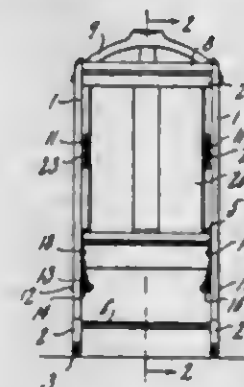
PORTABLE GARMENT SUPPORTING AND STRETCHING DEVICE

Aristide Reguitti, Agnosine Brescia, Italy

Application October 14, 1949, Serial No. 121,259

In Italy March 30, 1949

1 Claim. (Cl. 223-61)



A portable garment supporting and stretching device comprising, in combination, two spaced-apart upright standards having a supporting base therefor, said standards terminating in lower and upper ends, a recessed member connecting said upper ends with each other for bracing said standards, aligned spindles extending toward each other and mounted on said standards adjacent the lower ends thereof, spaced stationary plate members extending between and fixed to said standards, first movable clamp means extending below said stationary plate members and between said standards and springedly supported on said spindles for swinging movement forwardly of said stationary plate members, second movable clamp means springedly supported on said spindles and for swinging movement relative to said first clamp means, whereby both said clamp means are normally held in spaced relation to each other and project beyond said stationary plate members, movable plate members spaced from each other and connected with said second clamp means for movement with the latter, whereby a garment placed over said second plate members and in contact with said second clamp means may first be moved to abut against said first clamp means, to thereby facilitate stretching of the garment along said movable plate members, said garment being subsequently movable toward said stationary plate members for pressing purpose between

the latter members and said movable plate members, and coupling means for releasably maintaining said movable plate members together with said second clamp means against said stationary plate members, while said first clamp means is substantially in alignment with said stationary plate members.

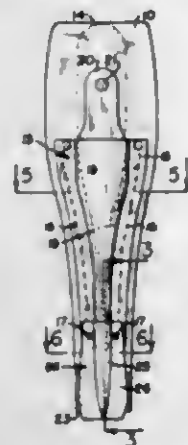
2,626,092

ICE PICK SHEATH

Joseph R. Rose, Denver, Colo.

Application September 18, 1950, Serial No. 185,456

3 Claims. (Cl. 224-2)



1. In combination, a sheath for ice picks and like articles, including a stiff leather base, a downwardly tapered, pick-conforming and gripping pocket secured at its marginal edges to the base and a U-shaped metal member secured on and around the lower end of the sheath, said pocket having its lower terminus a substantial distance above the bottom end of the base and said U-shaped member having its back leg secured to the back of the base and its front leg overlying the front of the base and overlapping the lower end of the pocket whereby said front leg, below the lower end of the pocket, is spaced from the base by the thickness of the material forming the pocket and provides a substantial open space around the lower end of the shaft of a pick positioned in the pocket.

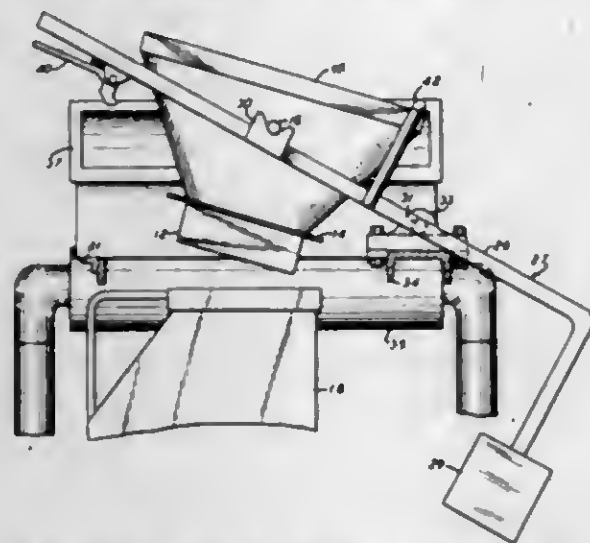
2,626,093

APPARATUS FOR HANDLING MATERIALS

Robert R. Barber, Idlewyde, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 29, 1950, Serial No. 171,000

5 Claims. (Cl. 226-19)



3. A weighing device, which comprises a scale including a platform, a yoke mounted pivotally and independently of the scale platform, said

yoke having upwardly facing notches in the arms thereof, a funnel having elements projecting into the notches and a spout, a container, means normally biasing the yoke to a predetermined position, a U-shaped rod secured to the yoke for tilting the container when the yoke is in said position, means for supporting a container in a position on the scale platform under the funnel such that as the yoke is pivoted against the action of the yoke-biasing means the funnel is moved into a pouring position on the container and the yoke and the rod are moved out of engagement with the funnel, and means for latching the yoke and the rod in positions out of engagement with the funnel.

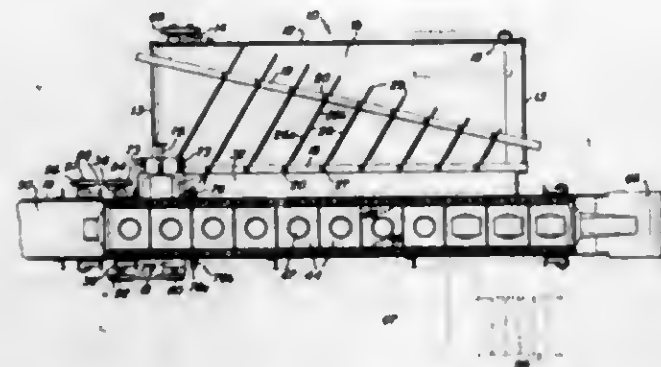
2,626,094

BAG-FILLING MACHINE WITH ADJUSTABLY MOUNTED ARTICLE GUIDE RAILS

Arthur J. McClelland, Holley, and Alphonse L. Zambito and Samuel J. Minnecl, Albion, N. Y.

Application August 23, 1949, Serial No. 111,834

4 Claims. (Cl. 226-61)



1. A bag filling machine comprising a feeding conveyor, a plurality of spaced adjustably mounted guide rails extending at an inclination to the direction of movement of said conveyor and having their outer ends spaced transversely of said direction, means for adjusting the inclination of said rails and the spacing of the outer ends thereof transversely of said direction, an endless carrier arranged to travel in upper and lower runs and provided with a plurality of hoppers spaced longitudinally thereof, each of said hoppers having its inlet arranged to open through the upper side of the lower run of said carrier and its outlet arranged to discharge on the opposite side of said carrier run, said hopper outlet being formed to receive and support the mouth of a bag, a part having a surface arranged to transfer articles from the inner ends of said rails to the inlets of said hoppers, a supporting conveyor extending below and parallel with the lower run of said carrier in position to support the bottoms of bags supported by said hopper outlet and means for moving said conveyors and the lower run of said carrier in the same direction for continuously and simultaneously filling a plurality of said bags.

2,626,095

CONSUMER TYPE CONTAINER

Lewis C. Brooks, Milwaukee, Wis., assignor of one-third to Ira Milton Jones, Milwaukee, Wis.

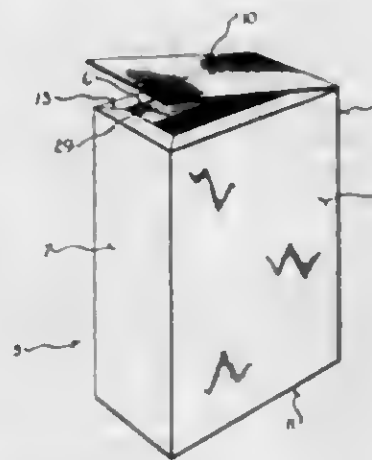
Application October 29, 1948, Serial No. 57,356

1 Claim. (Cl. 229-23)

A water-vapor proof consumer type fiber container suitable for packaging foods, comprising: a tubular body member having straight substantially flat sides defined by an imperforate front wall panel, two imperforate side wall panels in-

tegral with and extending back from the side edges of the front wall panel, and two inner back wall panels integral with the side wall panels and extending toward each other from the back edges of the side wall panels; top and bottom supporting shoulders integral with and projecting in from all of said panels, said shoulders comprising ledge forming portions bent in from the top and bottom edges of said panels and perpendicular thereto and extending continuously along the top and bottom edges of each panel, and reinforcing portions bent back from the free edges of the ledge forming portions, said reinforcing portions each having a part thereof lying flat against and adhered to the inner face of the adjacent panel; the shoulders being mitered and abutting tightly at the corners of the container so that the outer faces of the shoulders on adjacent panels are flush with one another and whereby said shoulders provide continuous flat

prising two spaced apart parallel rows of spaced perforations extending through the said wall and defining between them a tear path, and a pair of cut-scores lying within said tear path and extending only partially through the thickness of said wall, the two cut-scores of said pair respectively longitudinally paralleling said two rows of perforations and laterally spaced therefrom, the portions of the carton wall initially intact between the spaced perforations of the individual rows thereof providing connections easily rupturable intermediate the wall thickness, and the relative spacing of each of said rows of perforations and its adjacent cut-score serving to confine between them in the carton wall similar longitudinal zones rupturable intermediate the thickness of said wall as determined by the depth of said cut-scores, whereby the portion of the carton wall confined within said tear path may be separated and removed from said wall by separation intermediate its thickness in said longitudinal zones.



ledges extending along the top and bottom edges of all of said panels and around all corners of the tubular body member; the inner back wall panels and the shoulders thereon being considerably longer than the width of the shoulders on the side wall panels so that the shoulders on said inner back wall panels afford considerable back wall reinforcement; an outer back wall panel adhesively secured to the inner back wall panels and extending to the side wall panels; top and bottom closures of a size and shape to flatwise overlie the outer faces of the shoulders at the top and bottom of the container adhesively secured to said outer faces, said top and bottom closures respectively being hinged to the top and bottom of the outer back wall panel; the entire body member being formed from one cut and scored rectangular blank; and the outer back wall panel and the top and bottom closures being formed from another cut and scored rectangular blank.

2,626,096

FRANGIBLE MEANS FOR DISPENSING CARTONS

Robert J. Hickin, Rittman, Ohio, assignor to The Ohio Boxboard Company, Rittman, Ohio, a corporation of Ohio

Application May 20, 1949, Serial No. 94,414

1 Claim. (Cl. 229-51)



Frangible means for providing a dispensing opening in the wall of a paperboard carton, com-

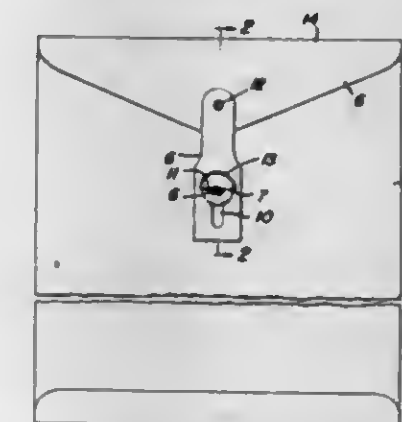
2,626,097

ENVELOPE FASTENER MEANS

Walter H. McConaughy, Washington, D. C.

Application November 7, 1949, Serial No. 125,960

1 Claim. (Cl. 229-77)



An envelope comprising front and rear panels, a closure flap on the front panel, a button, a rivet securing the button to the rear panel of the envelope, a tab on the free edge of the closure flap having a longitudinal slot in its free end portion for slidably accommodating the rivet and further having a transverse slit therein at the inner end of the slot and communicating therewith for the reception of the button, said tab including an outwardly offset segmental portion inwardly of and adjacent the slit adapted to overlie the button and further including inwardly offset, flexible segmental portions outwardly of and adjacent the slit on opposite sides of the slot and adapted to underlie the button.

2,626,098

COIN HOLDER

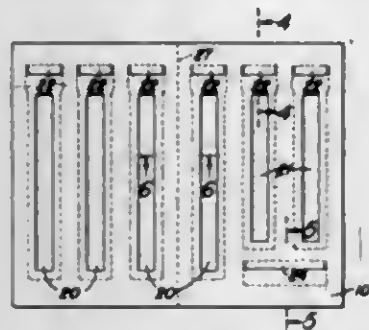
George Blendinger, Rochester, N. Y.

Application August 8, 1950, Serial No. 178,235

2 Claims. (Cl. 229-92.9)

1. A coin holder comprising a generally rectangular skeleton center sheet having a thickness at least as great as the thickness of the coins to be received and having a plurality of elongated, spaced slots therethrough which extend generally parallel to two sides of the sheet and which have their ends spaced from the other two sides of the sheet, a generally rectangular front sheet and a generally rectangular back sheet, each substantially of the same overall area as said center sheet, and secured along their marginal

edges to opposite sides, respectively, of the center sheet and forming with said slots pockets for the reception of coins, said back sheet, at least, being made of paper, each of said slots having a width slightly greater than the diameter of the coins which are to be received in the pocket of which said slot forms a part, and each of said slots being of a length to hold a plurality of coins disposed flatwise in the same plane, whereby each pocket may hold a plurality of coins, said front sheet having a plurality of elongated, parallel slots therethrough registering, respectively, with the first-named slots but each narrower than the diameter of the coins to be received in the

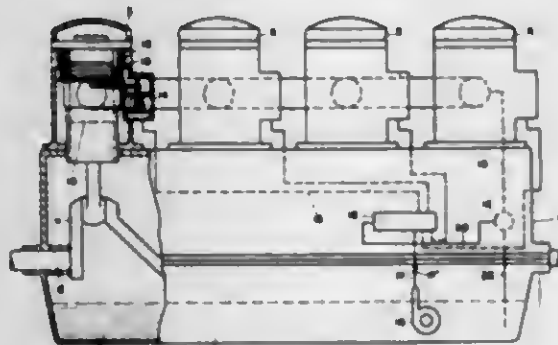


associated first-named slot, each slot in the front sheet being shorter than the registering slot of the center sheet and terminating at both ends short of the terminal ends of the registering slot of said center sheet, said front sheet having U-shaped slits at points spaced from the slots therein but in registry with the first-named slots to provide a series of slits, each slit extending transversely of one of the first-named slots and providing an opening through which coins may be inserted into each of the pockets and providing a flap for closing each of said last-named slots, said back sheet being imperforate and covering the whole of the first-named slots at the backs thereof.

2,626,099

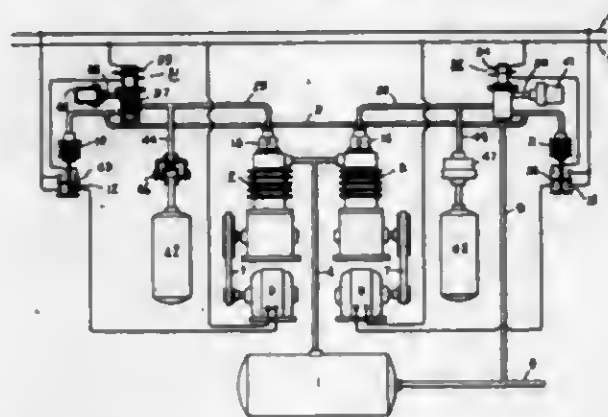
CAPACITY CONTROL FOR RECIPROCATING COMPRESSORS

Carlyle M. Ashley, Fayetteville, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 22, 1946, Serial No. 692,326
In Argentina September 22, 1947
14 Claims. (Cl. 230-25)



1. In a system of capacity control for reciprocating compressors, the combination of an oil pressure actuated element for holding a compressor valve in inoperative position, oil pressure actuated means for permitting or discontinuing the passage of oil to said element, and means responsive to load conditions for varying the oil pressure imposed on the pressure actuated means to permit or to discontinue the passage of oil to said element in accordance with load conditions.

2,626,100
COMPRESSED AIR SUPPLY SYSTEM
Roger McIntyre, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 17, 1952, Serial No. 266,880
7 Claims. (Cl. 230-31)

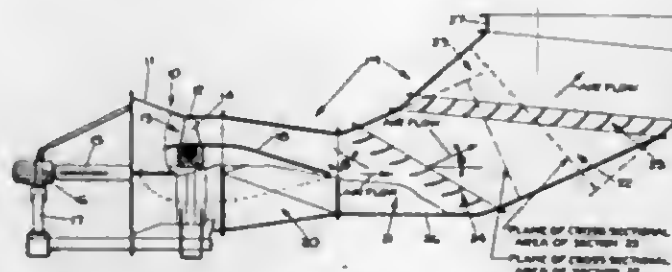


1. A compressed air supply system comprising a main compressed air reservoir adapted to have a compressed air supply line connected thereto, a compressor connected to supply compressed air to said main reservoir, an electric motor connected to drive said compressor, means responsive to the air pressure in said main reservoir for starting said motor when said main reservoir air pressure falls below a predetermined lower level and for stopping said motor when said main reservoir pressure rises above a predetermined upper level, means responsive to air pressure for holding open the inlet valve of said compressor to unload said compressor, means for connecting said holding means to said main reservoir responsive to said predetermined upper pressure and to the atmosphere responsive to said predetermined lower pressure, means for throttling air on the atmospheric side of said connecting means, another air reservoir connected to said holding means, and means arranged to admit air slowly to said other air reservoir from said main reservoir when said holding means is connected to said main air reservoir and to release air from said other reservoir to said holding means when said holding means is connected to the atmosphere, said air throttling means being arranged slowly to discharge the air released from said other reservoir to the atmosphere whereby air pressure from said other reservoir is maintained for a short interval on said holding means to unload said compressor for starting said motor.

2,626,101

FAN DIFFUSER HAVING AN AIRFOIL LATTICE DEFLECTOR

Morton B. Curley, Worthington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application September 20, 1949, Serial No. 116,705
2 Claims. (Cl. 230-120)



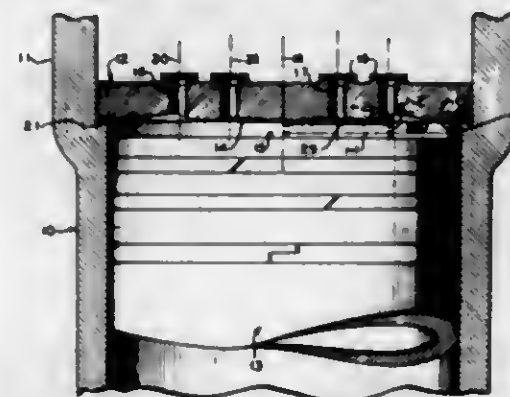
2. A radial blade type fan including a casing having a generally cylindrical portion adjacent the fan blades, a diffuser including a first section

connected to the output side of said cylindrical casing portion in the direction of air flow, said first section being generally cylindrical at its input end adjacent said cylindrical casing portion and rectangular adjacent its output end and increasing in effective cross-sectional area from its input end to its output end, a second diffuser section connected to said first section and having a longitudinal axis coinciding with the longitudinal axis of said first section, a third section having a substantially constant cross-sectional area greater than the cross-sectional area of said second section and connected with the output side of said second section, said third section having a longitudinal axis making an obtuse angle with the longitudinal axis of said second section, and an airfoil lattice deflector between said second and third sections.

2,626,102

CYLINDER HEAD

Milton W. Garland, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application April 6, 1949, Serial No. 85,810
13 Claims. (Cl. 230-238)



10. In a reciprocating compressor a cylinder, a cylinder head, and a piston adapted to reciprocate within the cylinder, the cylinder head having a plurality of radially spaced discharge openings, the surface of the head being tapered inwardly toward the axis and to the openings such that the velocity of approach of fluid compressed within the cylinder at the moment of discharge is the same for all increments of fluid approaching a given opening.

2,626,103

POLYNOMIAL EQUATION SOLVER

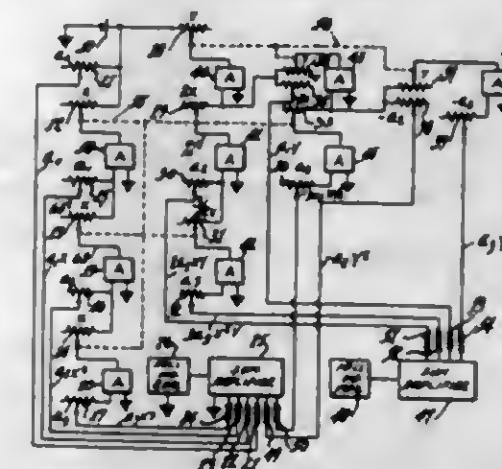
Robert Serrell, Princeton, and Edwin A. Goldberg, Princeton Junction, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 21, 1949, Serial No. 105,936
2 Claims. (Cl. 235-61)

1. An equation solver for a polynomial equation of the type

$$a_0 + a_1(x+iy) + a_2(x+iy)^2 + \dots + a_n(x+iy)^n$$

having real and imaginary terms and real and imaginary roots, said equation solver consisting of a plurality of linear amplifiers, a plurality of linear potentiometers, one for each coefficient, one for each x , and one for each y in said equation, all said coefficient potentiometer sliders being positioned to represent coefficients in said equation, all said x potentiometer sliders being ganged together to be movable simultaneously, all said y potentiometer sliders being ganged together to be movable simultaneously, means to apply a unit potential to a first x potentiometer,

to a first y potentiometer and to a coefficient potentiometer representative of the coefficient a_0 , a plurality of first means to couple in cascade a number of said x potentiometers and coefficient potentiometers to the slider of said first x potentiometer to simulate the real terms a_1x to $a_{n-1}x^{n-1}$ in said equation, a plurality of second means to couple in cascade remaining ones of said x potentiometers, y potentiometers and coefficient potentiometers to the slider of said first y potentiometer to simulate the remaining real and imaginary terms of said equation, first and second summing means, first and second null indicating means respectively connected to the

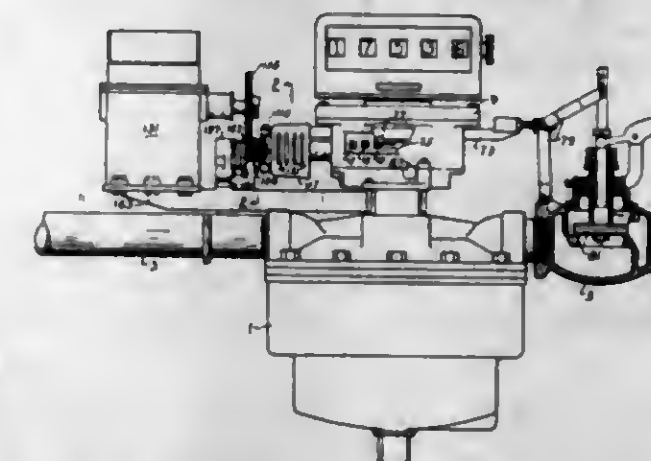


outputs of said first and second summing means, all the sliders of the coefficient potentiometers which are used to simulate said real terms being electrically connected to said first summing means, all the sliders of the coefficient potentiometers which are used to simulate said imaginary terms being electrically connected to said second summing means, and means to adjust said ganged x potentiometer sliders and said ganged y potentiometer sliders whereby these sliders are positioned at values respectively representative of the real and imaginary roots of said equation whenever both said null indicators indicate a null.

2,626,104

AUTOMATIC REPEATING PREDETERMINED STOP MECHANISM

Ralph B. Preasler, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application March 3, 1950, Serial No. 147,423
7 Claims. (Cl. 235-132)



1. In a repeating counter, a stop mechanism having a number of presettable control elements having zero and preset positions, a trip member having start and stop positions, means urging it to stop position and means under control of said elements for holding it in start position when said elements are out of zero position, means for in-

dividually moving said elements to preset position, means for driving said elements from preset to zero position to release said holding means, a motor, means connecting said motor with said control elements for simultaneously restoring them to their initial preset positions, a switch for starting the motor, means responsive to movement of all of said control elements to zero position for closing said switch, means operable by the motor for maintaining it energized, means also operable by the motor for opening said switch and means for stopping the motor when said elements are returned to their preset positions.

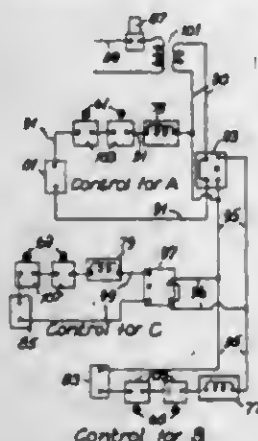
2,626,105

MODULATING GAS BURNER

Vernon S. Beck, St. Louis, Mo.

Original application June 30, 1949, Serial No. 102,370. Divided and this application January 17, 1951, Serial No. 206,438. In Canada June 26, 1950

6 Claims. (Cl. 236-9)



1. In a steam heating system having a boiler heated by a plurality of burner groups, the heated steam being adapted to heat a space that is to be maintained at a predetermined temperature, individual electrically controlled fuel valves for each burner group, a control circuit for said electrically controlled valves comprising a plurality of branch circuits each controlling one of said valves, a pressure-responsive control switch in each branch circuit, each pressure-responsive switch being closed at a different value of boiler pressure, a thermostatic switch connected in series with all of said branch circuits, said thermostatic switch being responsive to the temperature of the space to be heated, and time-delay switches sequentially responsive to closure of the thermostatic switch and series connected with said pressure-responsive switches.

2,626,106

CONTROL APPARATUS

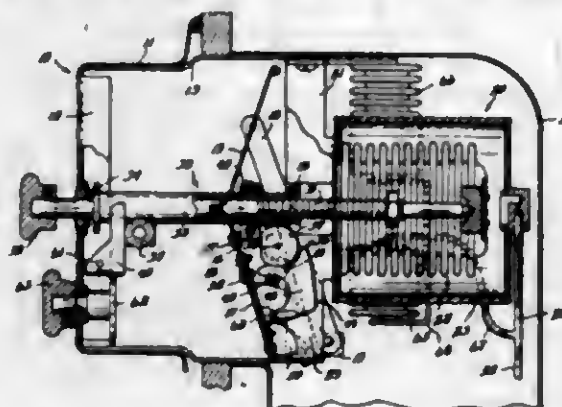
Walter W. Voss, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application February 9, 1948, Serial No. 7,272

8 Claims. (Cl. 238-49)

1. An automatic register comprising a frame portion, a damper blade pivotally mounted in said frame portion, a fluid motor attached to said portion, a horizontally movable member operable by said motor, a hollow sleeve adjustable along said member, a pivotally mounted cam-like member having a partly cylindrical surface for guiding said sleeve and said member, a flexible tape attached to said sleeve and to said cam-like member, strain release means attached to said blade, said tape also being attached to said strain release means whereby longitudinal move-

ment of said horizontally movable member causes a pivotal movement in one direction of said blade, counterweight means attached to said blade for causing it to move in the opposite di-



rection, thermostatic means for varying the pressure in said fluid motor, and manual means for independently moving said horizontally movable member.

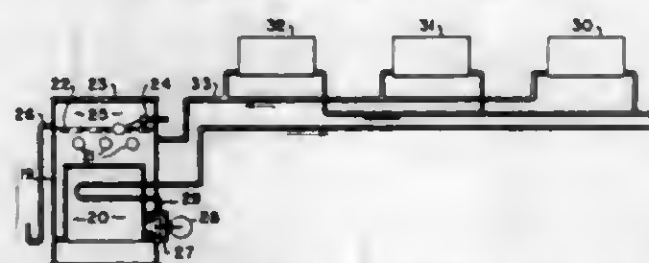
2,626,107

HOT WATER HEATING SYSTEM

Leonard E. Rollins, Denver, Colo.

Application September 12, 1949, Serial No. 115,261

5 Claims. (Cl. 237-63)



1. A hot water heating system comprising a first heat exchanger, a boiler, means for recirculating water between said boiler and heat exchanger at a relatively high velocity, a combustion chamber in said boiler, a reservoir in said boiler jacketing said combustion chamber in heat-exchange relationship therewith through which water returned from said first heat exchanger is re-circulated at a relatively low velocity, a flue disposed in said reservoir and connected to said combustion chamber for removing waste products of combustion, said flue being so disposed in said reservoir as to be in heat-exchange relationship with water being returned from said first heat exchanger, a return line between said first heat exchanger and said reservoir, and a feed line between said reservoir and said first heat exchanger including a second heat exchanger disposed in said combustion chamber in heat-exchange relationship with the products of combustion therein through which water flows to said first heat exchanger at a relatively high velocity.

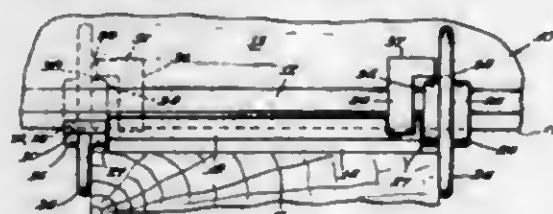
2,626,108

RAIL RETAINING STRUCTURE

Lee Spencer, Phoenix, Ariz.

Application January 24, 1949, Serial No. 72,521

6 Claims. (Cl. 238-327)



1. In a railway track structure of the class described, a cross-tie and a tie plate fastened to

the top surface thereof, a railroad rail having a base portion seated on the plate, a pair of rail anchors secured to the base portion of said rail; the said anchors, in each case, being of T-shape in cross section and arranged with the central rib thereof abutting against a side face of said cross-tie and including an integral hook at one end thereof releasably engageable with an adjacent edge of the rail base portion at opposite sides of the rail, and means for securing the rail on the tie plate with capacity for limited vertical movement with respect to said tie plate comprising a pair of lugs secured to said tie plate, one at either side of the rail, and having a portion overlying said hook at a location at one side of said central rib and spaced upwardly from the anchor to accommodate the normal amount of wave motion of said rail with respect to said tie plate.

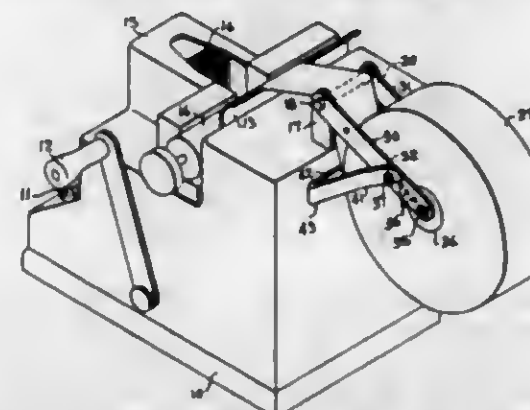
2,626,109

TAPE ROLL SUPPORTING MEANS

Arthur T. Hart, York, S. C.

Application September 7, 1948, Serial No. 48,059

1 Claim. (Cl. 242-55.2)



In an adding machine, a housing, a pair of spaced parallel members secured to and extending from the housing, a pair of spaced outwardly extending arms pivotally connected to the spaced parallel members, a transverse spacer disposed between the free ends of the outwardly extending arms adapted to support a roll of tape, a substantially U-shaped member comprising a horizontal bar, the opposite ends of which are bent upwardly at right angles to the horizontal bar to form two parallel spaced arms, means pivotally connecting the upper ends of each of said arms of said U-shaped member to a medial portion of each of the outwardly extending arms and the horizontal bar of the substantially U-shaped member being adapted to engage the housing for supporting the said outwardly extending arms and the roll of tape mounted therebetween.

2,626,110

CONSTANT SPEED CONTROL FOR STRIP ANNEALING

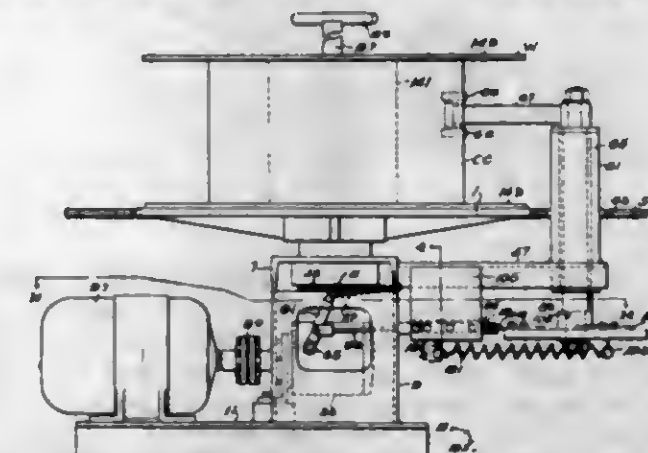
John French, Ecorse, Mich., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland

Application January 15, 1948, Serial No. 2,404

1 Claim. (Cl. 242-75)

Reeling mechanism for moving a strip longitudinally and winding it into a coil comprising a substantially constant speed electric driving motor and a fluid transmission driven by said motor for so moving and so winding the strip; the fluid transmission having a control member for varying its output speed whereby to vary the angular speed at which the strip is wound into a coil; mechanism adapted to be operated by the

coil being wound for operating said control member comprising a swinging arm operatively adapted to contact with the outer surface of the coil and to be swung by such contact as the diameter of the coil increases, said mechanism also comprising a plurality of cams each mounted at a different distance from a common axis of rotation and also means for causing said cams to be rotated about said axis by the swinging of said arm, said mechanism further comprising a cam follower adapted to cooperate with any of said cams for causing that cam to operate said con-



trol member as said cam is rotated by swinging of said arm, each cam being shaped to cause said control member progressively to decrease the output speed of said transmission for causing the strip to move longitudinally at a substantially constant speed; and means for adjustably positioning, angularly relative to said arm, each of said cams to the exclusion of the others into co-operating relation with said cam follower whereby the strip may be moved longitudinally at any of a plurality of predetermined substantially constant speeds.

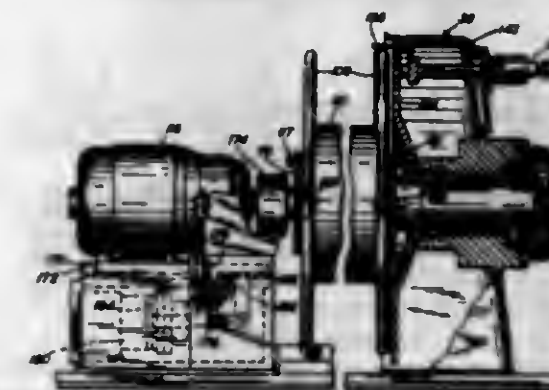
2,626,111

TAKEUP APPARATUS

Estyle D. Hanson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 30, 1950, Serial No. 182,227

11 Claims. (Cl. 242-80)



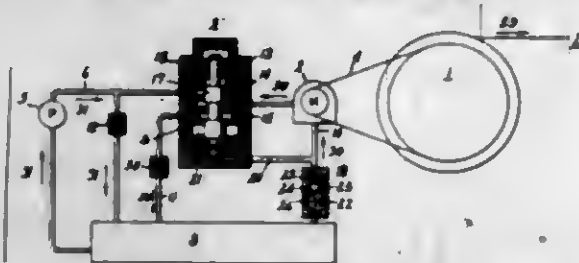
1. A takeup apparatus, which comprises a circular coiling element, means for rotating the coiling element, means for guiding a strand past said element along a predetermined straight path forming a chord with respect to the periphery of the circular coiling element, a snagger revolved with the coiling element and movable from a position at one end of and not extending over the periphery of the coiling element to a position extending over said periphery, means for holding the snagger in a position not extending over the periphery of the coiling element, means selectively movable to a position for pushing the snagger over the periphery of the coiling element at a predetermined point in the revolution of the snagger, and means for latch-

ing the snagger-pushing means in said position, whereby the snagger catches the chordal portion of the strand guided past the coiling element.

2,626,112

CABLE REELING SYSTEM

Richard N. Cross, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 5, 1950, Serial No. 172,171
8 Claims. (Cl. 242-90)

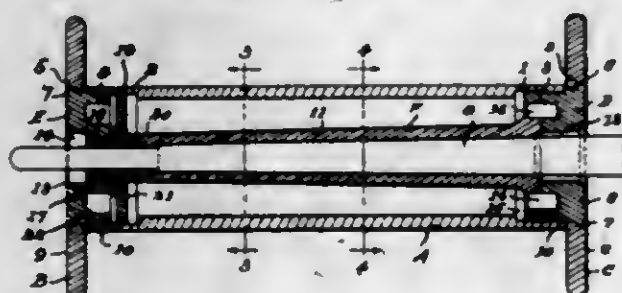


1. A cable reeling system comprising a cable reel adapted to have a cable wound thereon, a hydraulic motor adapted to drive said reel for reeling-in said cable and to be driven by said reel as a pump when said cable is reeled-out for providing a load on said reel so that tension is maintained on said cable, a hydraulic pump for furnishing fluid to said motor, a pressure line connecting said motor and said pump, and valve means arranged in said pressure line and having a vacuum actuated movable element arranged to open said pressure line in a first position and to close said pressure line in a second position, said valve means having a vacuum line connecting said movable element and said motor whereby the vacuum created by said motor when driven as a pump moves said element into said second position to close said pressure line isolating said pump from said motor.

2,626,113

BOBBIN OR SPOOL

William H. Miller, Hazelton, Pa., assignor to Cloverleaf-Freeland Corporation, Hazelton, Pa., a corporation of Pennsylvania
Application April 6, 1950, Serial No. 154,350
6 Claims. (Cl. 242-124)



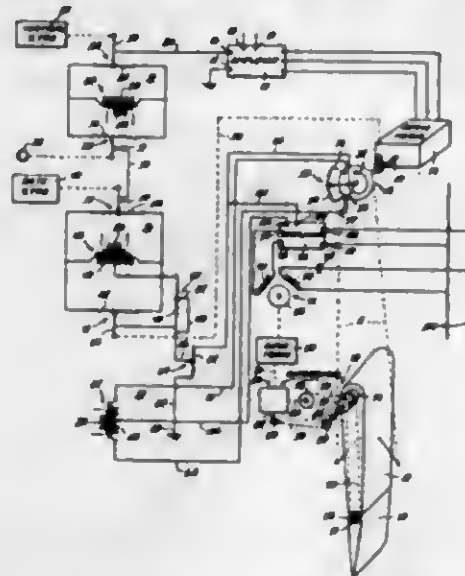
1. A bobbin or spool, adapted to be rotatably mounted on an elongated spindle comprising, a hollow open-ended barrel having a head at each end thereof, an adaptor member extending through each head and having detachable connection with the barrel and acting to clamp the heads against the barrel ends, a core having a longitudinally extending open-ended tapered bore disposed within the barrel, one core end having driving connection with one adaptor and the other core end supported on the other adaptor, each adaptor being provided with an open-ended bore in communication with the core bore to provide a spindle reception passageway extending through the length of the bobbin, an elongated spindle extending through said passageway, the bores in the adaptors outward of the core ends being of greater diameter than the diameter of

the core bore, the core bore snugly receiving the spindle, and the core being composed of a yieldable material which will permit the core bore to adapt itself to the spindle should the bore be out of alignment with the longitudinal axis of the spindle.

2,626,114

AUTOMATIC STEERING MECHANISM

Ross C. Alderson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 7, 1948, Serial No. 25,555
10 Claims. (Cl. 244-77)



3. Control apparatus for an aircraft having a control surface provided with a trim tab comprising: attitude responsive means; means for deriving a signal in proportion to the magnitude of movement of the attitude means about an axis; control surface power means; means for deriving a signal proportional to the reactive force between said control surface and said power means; means for combining said attitude signal and said power means signal and operatively controlling said power means; trim tab power means; operating means for said trim tab power means; and means for connecting said operating means to said power means signal deriving means, whereby positioning of said trim tab removes said reactive force and permits said attitude means to restore the craft to original position.

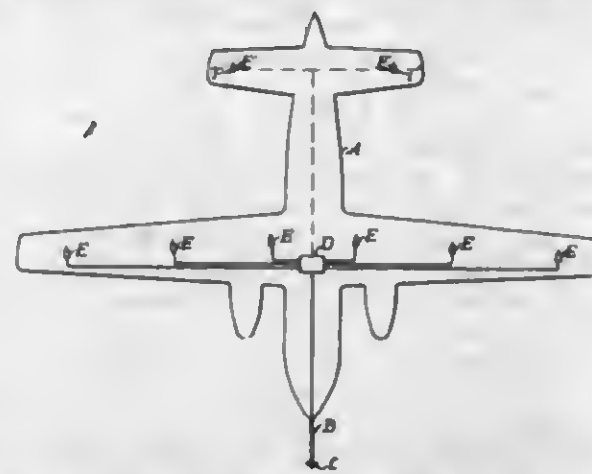
2,626,115

AIRCRAFT CONTROLS

John L. Atwood, Los Angeles, and Carroll G. Gordon, Pasadena, Calif., assignors to North American Aviation, Inc.
Application June 7, 1951, Serial No. 230,320
7 Claims. (Cl. 244-77)

1. In combination with a stable airplane provided with a basic wing and controls for pitch, roll, and yaw, mechanism for materially reducing vertical accelerations of said airplane as a result of turbulence in the air through which the airplane is moving, comprising a highly sensitive feeler mounted on said airplane forwardly of said wing and provided with a direction- and magnitude-sensitive part which is responsive to the vertical component of airflow relative to the airplane caused by said turbulence; means on said wing for changing the wing-lift characteristics thereof; electrical means connected to said direction- and magnitude-sensitive part and responsive thereto for generating a gust signal indicative of said vertical component of airflow; and electrical means operatively connected to said last

named means and to said wing-lift-characteristic-changing means and responsive to said signal for operating said wing-lift-characteristic-changing means by an amount which substan-

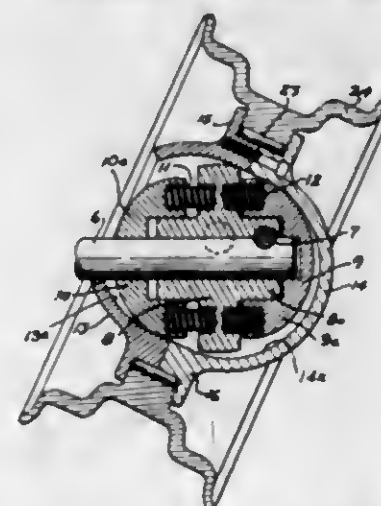


tially neutralizes any effect of changes in vertical component of air force to which the airplane would otherwise be subjected, before such changes in force become effective to shift the airplane vertically from its projected course.

2,626,116

SELF-CENTERING CASTER MOUNTING FOR AIRCRAFT LANDING WHEELS

John S. Steuby, St. Louis, Mo.
Application June 9, 1949, Serial No. 97,963
7 Claims. (Cl. 244-103)



1. A caster mounting for aircraft landing wheels comprising a central hub element for direct attachment to and support of the aircraft, expansion members mounted on said element, springs constantly urging said members apart in the direction transversely of the aircraft, and a wheel-carrying casing closely confining said expansion members and capable of swivelling movement thereabout, said casing being ellipsoidal in horizontal section with its major axis transverse of the aircraft and said expansion members being normally spaced apart transversely of the aircraft and urged by said springs into positions aligned with said major axis of said casing.

2,626,117

GOVERNOR FOR AUTOMATIC OPENING CONTROL OF PARACHUTES

Helmut G. Heinrich, Dayton, Ohio
Application July 20, 1950, Serial No. 174,985
12 Claims. (Cl. 244-152)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In a parachute, a canopy having a skirt portion, load suspension means connected to the

canopy at spaced points around the periphery, a reefing line extending around the canopy skirt portion for reefing the canopy skirt portion having a dead end, a governor device connected at one end to the skirt portion of the canopy, and also connected to the dead end of the reefing line, friction means within the governor device for receiving the other or live end portion of the reef-

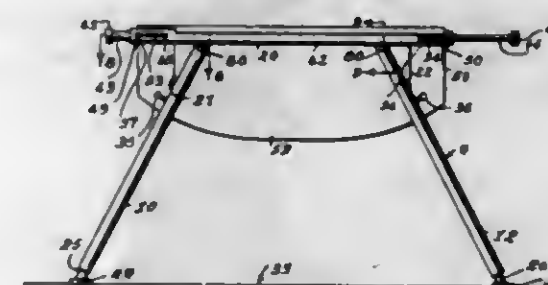


ing line therethrough movable to engage the same, resilient means in the governor device for yieldably maintaining said friction means in non-engaging position, actuating means connected between the friction means and the load suspension means for engaging the friction means with the reefing line to retard movement of the live end of the reefing line incident to predetermined relative pull on the load suspension means.

2,626,118

UTILITY FRAME OR SUPPORTING UNIT

Price D. Rice, Washington, D. C.
Application April 2, 1948, Serial No. 18,655
2 Claims. (Cl. 248-163)



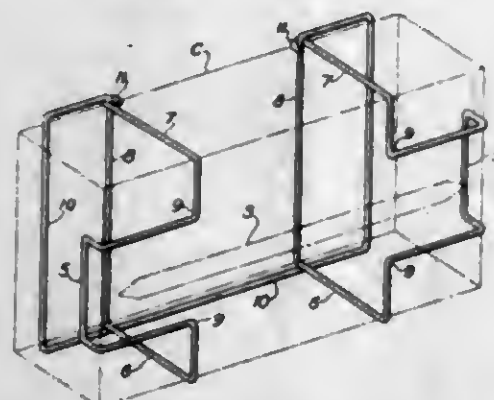
1. In a collapsible utility frame for suspendingly supporting infant attending equipment, a first pair of spaced hollow legs, brace means arranged transversely of said first pair of legs and fixedly secured thereto, a second pair of spaced hollow legs arranged in spaced aligned relation with respect to said first-named legs, brace means arranged transversely of said second-named pair of legs and fixedly secured thereto, said pairs of legs being arranged in convergent relation with respect to each other and each having their ends remote from the convergent ends resting on a supporting surface, a triangular brace plate projecting from each leg adjacent the convergent end thereof, a first horizontally disposed hollow member extending from one leg of said first pair to the aligned leg of said second pair adjacent the convergent ends thereof and resting on the triangular brace plates of said convergent ends, a second horizontally disposed hollow member extending from the other leg of said first pair to the other leg of said second pair adjacent the convergent ends thereof and resting on the triangular brace plates of said convergent ends, and lug

means depending from each of said horizontally disposed members and slidably receivable in the convergent end of each of said legs to thereby hold said legs and said hollow members in assembled relation with respect to each other.

2,626,119

BOX HOLDER

Clarence Lyman Crosby, Berwyn, Ill.
Application August 18, 1947, Serial No. 769,194
1 Claim. (Cl. 248—302)

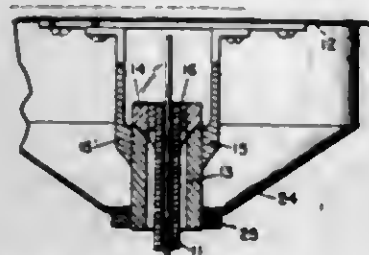


A holder for a tissue dispensing carton and having a dispensing slot in the front wall thereof, said holder comprising a length of wire bent to form two bottom supports, two top cross-members; two back members and two front members adapted to contact the bottom, top back and front of said carton respectively, said front members being bent outwardly so as to afford free access to the dispensing slot and to contact the sides of said carton, each of said top cross-members having a hook on the end thereof, engaging the back member, said hooks being adapted to be disengaged from said top cross-members for the purpose of insertion or removal of said carton.

2,626,120

SUSPENSION MEANS FOR VERTICAL SHAFTS

Frederick C. Baker, Portland, Oreg.
Application October 23, 1950, Serial No. 191,639
1 Claim. (Cl. 248—343)



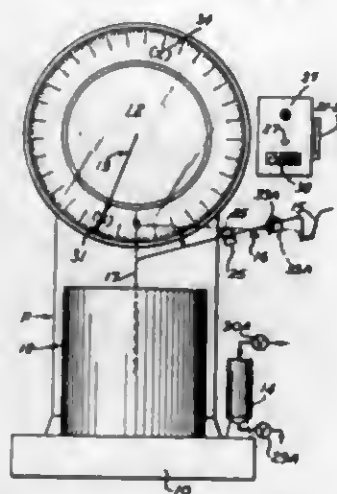
A suspension device for a lighting fixture and the like comprising a pair of tubular members having their external and internal diameters substantially equal respectively, an identically formed end on each member, each of said ends formed with a pair of identical, diametrically opposite, V-shaped grooves extending from diametrically opposite points on the outer surface of the member to diametrically opposite tip points on the outer surface at the end of the member, the bottom vertex lines of said grooves located in a plane with the axis of the member, the ridge lines at said tip points formed by the intersections of said grooves located in a plane with the axis of the member and perpendicular to said first mentioned plane, whereby said ends of said members will be capable of mating when brought together if said members are in axial alignment, means rigidly attached to one of said members and secured to a ceiling mounting, said means

firmly holding said latter mentioned member at a spaced distance below said ceiling mounting with its axis vertical and its mating end uppermost, said latter mentioned member constituting the lower of said members in said device, the other member positioned above said lower member with its mating end down and constituting the upper of said members in said device, a suspension shaft for the lighting fixture, said shaft extending upwardly through said lower member and having an external diameter considerably less than the internal diameter of said lower member, and means rigidly securing the upper end of said shaft to said upper member and in axial alignment with said upper member, whereby said shaft and therewith the lighting fixture will be supported by said upper member in turn resting on said lower member; and whereby said shaft may be given a limited swing in said device, and, when raised slightly, may be rotated, but, when released, will again become vertical and be either in original position or rotated exactly 180° or multiples thereof from such original position.

2,626,121

AUTOMATIC FILLING SCALE

William Eyer Sachse, Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application March 13, 1948, Serial No. 14,742
1 Claim. (Cl. 249—60)



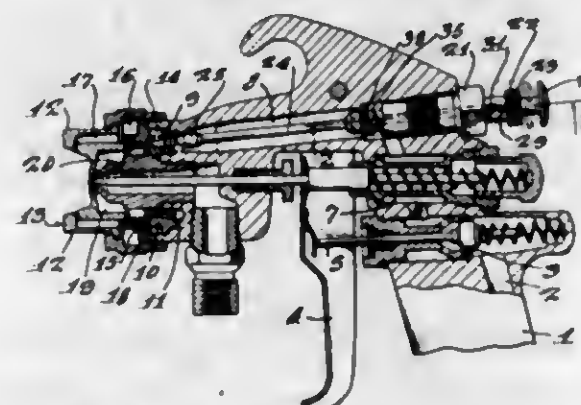
A weighing scale comprising a platform adapted to receive containers having variable weight into which a uniform amount of a product is to be placed, a compensating weight tank carried by said platform, means movable between operative and inoperative positions for dispensing the product into the container, a first switch responsive to movement of said means to the operative position, first electrically controlled means responsive to actuation of said first switch for automatically introducing any desirable compensating material into said compensating weight tank, second and third switches connected to be actuated by said scale when a predetermined lower weight level is carried thereby, second electrically controlled means responsive to actuation of the second switch for terminating the flow of compensating material whereby the weight of said compensating material and said compensating weight tank in combination with the weight of the container attains a predetermined lower weight level greater than the weight of any given container, third electrically controlled means responsive to actuation of the said third switch for automatically introducing any desirable product into said container, a fourth switch connected to

be actuated by the scale when a predetermined upper weight level is carried thereby for terminating the flow of the product into the container whereby when a predetermined upper weight level is attained the difference between said upper and said lower weight level is a fixed amount.

2,626,122

SPRAY GUN VALVE

Lewis W. Lammiman, Toledo, Ohio, assignor to The De Vibius Company, Toledo, Ohio, a corporation of Ohio
Application July 3, 1951, Serial No. 235,013
4 Claims. (Cl. 251—2)



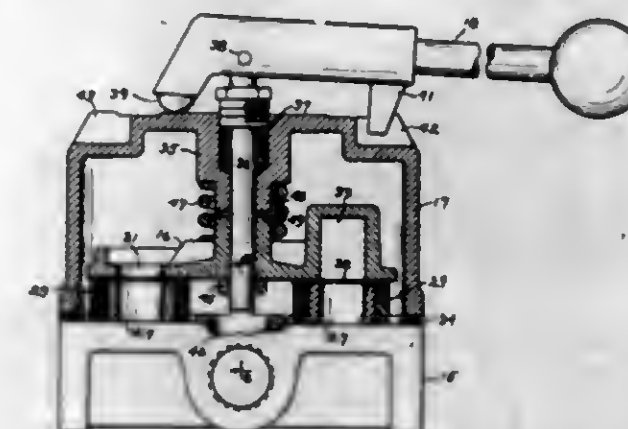
1. In a spray gun air valve, means providing an air passage, a valve seat within the forward end of the passage, a valve mounted for axial movement toward and away from said seat, an interiorly threaded casing in fixed position at the rearward end of the passage, a freely rotatable hollow sleeve threadedly engaged within the casing, a shank integral with the valve and extending rearwardly through the hollow sleeve, a connection between the shank and sleeve formed by a pin and a longitudinal slot adapted to provide limited relative longitudinal movement between the shank and the sleeve, an annular shoulder on the shank facing forwardly toward the valve seat, an annular shoulder on the sleeve facing rearwardly away from the valve seat in opposing relation to said first shoulder, a spring compressed longitudinally between said shoulders adapted to thrust the valve shank and valve away from said seat to the limit of movement permitted by the pin and slot connection, a rearward exterior element on the shank for receiving temporary manual pressure to thrust with straight line movement the shank and the valve in opposition to the spring thrust toward the valve seat, and adjusting means on the rearward portion of the sleeve for manual rotation and axial movement of the sleeve upon its threaded engagement with the casing to vary the normal position of the valve as determined by the limit of the spring thrust movement permitted by the pin and slot connection between the shank and the sleeve.

2,626,123

VALVE STRUCTURE

Lee G. Daniels, Rockford, Ill.
Application November 10, 1945, Serial No. 627,926
15 Claims. (Cl. 251—90)

1. A lift-turn valve, comprising a multiple port stator, a multiple port rotor, the stator and rotor having faces arranged in confronting relation, the stator having resilient sealing rings around its ports, a supporting plate having a supporting wall around each of the sealing rings, a cover attached to the stator inclosing the rotor, a stem extending from the rotor through the cover, a

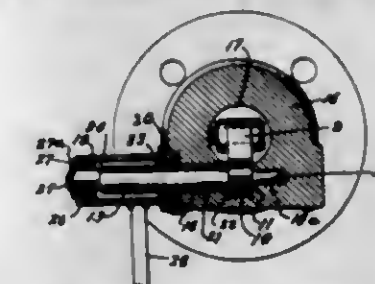


lever attached to the stem and arranged for lifting and turning the rotor to preselected positions relative to the stator, a spring urging the rotor towards the stator, a positive stop carried by the cover to limit the movement of the rotor from the stator a distance equal to but not substantially greater than the distance moved by the rotor

2,626,124

SEALED TOGGLE VALVE OPERATING MECHANISM

Elmer T. McCarthy, Hamilton, Ohio, assignor to Klipfel Valves Inc., Division of Hamilton-Thomas Corp., a corporation of Illinois
Application June 17, 1949, Serial No. 99,846
8 Claims. (Cl. 251—134)



1. In valve operating and sealing mechanism, a housing having an interior bevelled valve for controlling the flow therethrough, a bearing associated with said housing at right angles to the longitudinal axis of said housing, a shaft mounted in said bearing and projecting beyond said housing, a toggle connection between said shaft and valve, means for sealing said shaft in said bearing comprising a metal torque tube surrounding said shaft within said bearing, means for sealing one end of said tube to said bearing and the other end to said shaft and means secured to said shaft exteriorly of said housing for rotating said shaft thru a twisting of said tube between said sealed points.

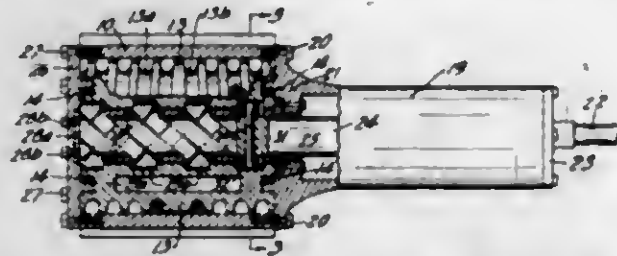
2,626,125

PULL-UP HITCH FOR TRACTORS

George L. Gustafson, Minneapolis, Minn.
Application January 5, 1949, Serial No. 69,272
4 Claims. (Cl. 254—186)

1. For use with a pull-up type trailer hitch, a hollow rotary drum adapted to receive an elongated flexible take-up member thereon, means for journaling said drum, a longitudinally shiftable power driven element, a transmission mech-

anism including a spiral fixed to said drum journaling means and having at least a portion thereof disposed concentrically of said power driven element, a second spiral having its pitch sloped oppositely of the pitch of the first spiral and having at least a portion thereof concentrically disposed relative said first spiral, and a



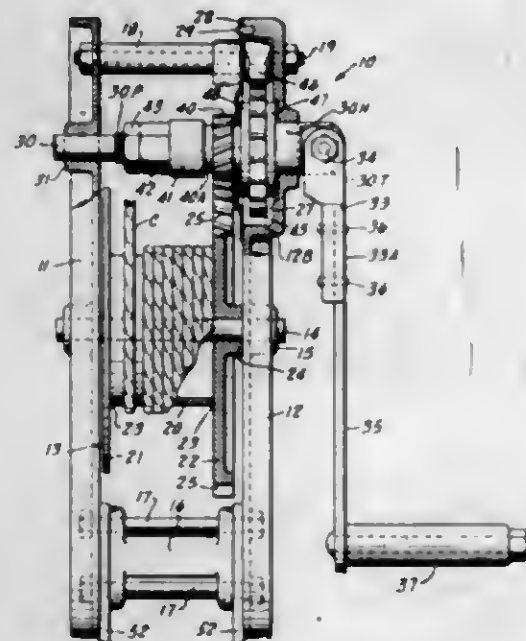
connection between said driven element, said first spiral and said second spiral, said second spiral being fixed to the winding drum to rotate the same when power is applied to said longitudinally projectible power driven element, whereby rectilinear motion will be converted to rotary motion.

2,626,128

WINCH, HOIST, AND THE LIKE

Matthias F. Sasgen, Chicago, Ill., assignor to Sasgen Derrick Co., Chicago, Ill., a corporation of Illinois

Application April 11, 1950, Serial No. 155,297
2 Claims. (Cl. 254-187)



1. In a winch, a frame having side plates spaced transversely from each other, a bolt extending between upper portions of said side plates, a drum rotatably mounted in said frame between the side plates thereof and having its ends surrounded by circular flanges, one of said flanges being formed across its peripheral edge face with helical teeth and constituting a helical gear, a shaft extending through space between the side plates and rotatably mounted through portions of the side plates between the drum and the bolt, a ratchet wheel loose about said shaft, a pinion loose about said shaft at one side of said ratchet wheel and having helical teeth meshing with the helical teeth of said gear, friction discs loose about said shaft at opposite sides of said ratchet wheel, one disc being located between the ratchet wheel of said pinion, there being cam teeth at the opposite side of the pinion from the ratchet wheel, a cam head about said shaft

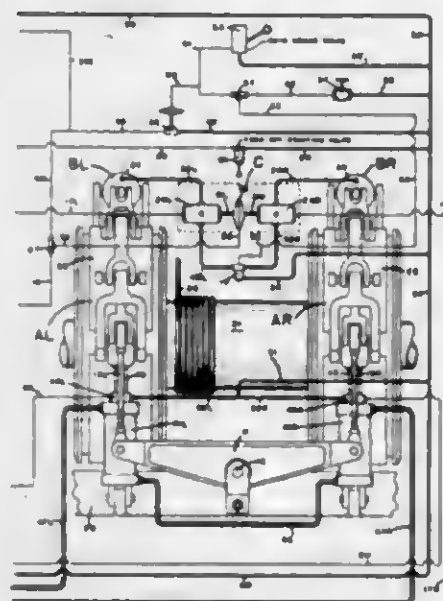
turning therewith and shiftable along the shaft to adjusted positions and having cam teeth companion to and engaging the cam teeth of the pinion and acting thereon to shift the pinion and the ratchet wheel and the friction disc between the same along the shaft and cause tight grip upon the ratchet by the friction discs when the shaft is turned in a direction to wind cable thereon, a pawl pivoted upon said bolt and engaging teeth of said ratchet wheel to hold the ratchet wheel against turning in an unwinding direction, and a dog pivoted about said bolt and having a tooth at its free end engaging between teeth of said gear and conforming to the transverse angle of the helical teeth of the gear whereby cam action between the dog and the teeth of the gear urges the dog across the gear in the direction of the ratchet and prevents movement of the dog transversely of the gear in a direction away from the adjoining side plate and out of operative engagement with the gear, there being a stop member limiting movement of the dog toward the said side plate.

2,626,127

AUTOMATIC CONTROL SYSTEM FOR WELL DRILLING

Robert R. Crookston, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application October 8, 1948, Serial No. 53,393
4 Claims. (Cl. 255-19)



1. A device for controlling the operation of a rotary drilling rig having a drill stem adapted to carry a drilling bit at its lower end with a steam actuated drilling engine arranged for rotating the drill stem and a hoisting drum, a hoisting line connected to the hoisting drum for supporting a portion of the weight of the drill stem during drilling operations comprising, in combination, a multiple cylinder pump operatively connected with the hoisting drum for operation of the pump upon rotation of the hoisting drum, a hydraulic circuit fluidly connecting like ends of at least two cylinders of said multiple cylinder pump including a first valve and a second diaphragm actuated valve, said first valve having a variable flow area, a weight control means arranged to vary the flow area of said first valve upon changes in the weight carried by the hoisting line during drilling operations, said weight control means including an inlet compressed air line controlled by a third diaphragm

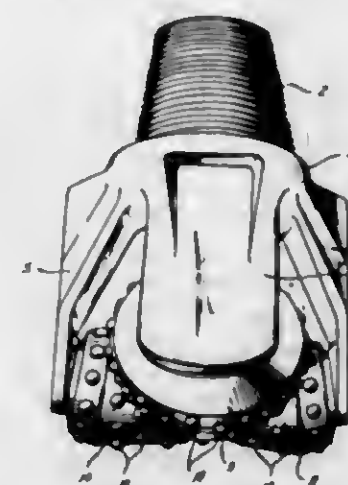
actuated valve and powered by compressed air supplied through said inlet compressed air line, a torque control assembly including a fourth diaphragm actuated valve with its actuator fluidly connected to the steam chest line of the drilling engine and its outlet connected by pilot lines to the diaphragm actuators of said second valve and third valve whereby excess pressure in the steam chest line will actuate said second diaphragm valve and said third diaphragm valve through the medium of the fourth diaphragm valve.

2,626,128

DRILL BIT

Elvin G. Boice, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application September 24, 1951, Serial No. 248,009
6 Claims. (Cl. 255-71)



1. A drill bit roller having a plurality of circumferentially and axially spaced sockets and a formation crushing ball in each of said sockets, said balls being harder than said roller, each of said sockets having a rounded bottom to fit the ball therein, the depth of said socket being greater than the radius but less than the diameter of the ball, the ball having an interference fit in said socket, the rim portion of the wall of said socket thereby being disposed to be pressed by the formation into retaining engagement with said ball.

2,626,129

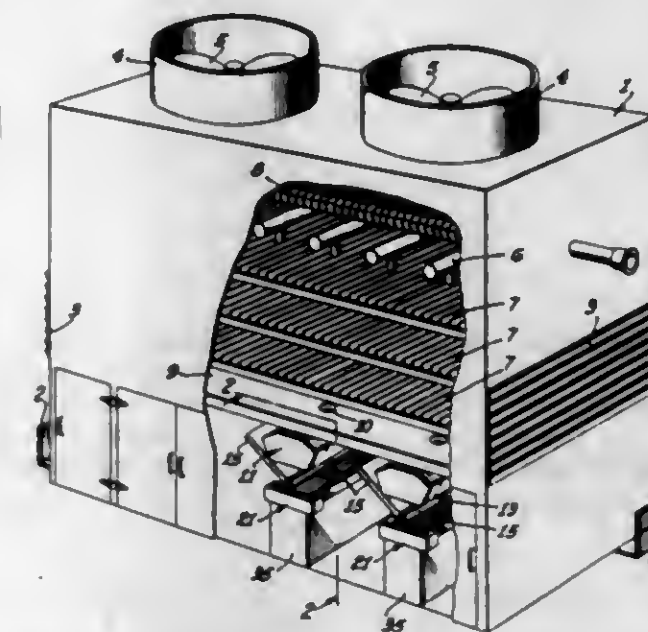
LIQUID DISTRIBUTOR FOR COOLING APPARATUS

Lawrence R. Obert, Los Angeles, Calif., assignor to Industrial Manufacturers Ltd., Los Angeles, Calif., a corporation of California

Application February 24, 1950, Serial No. 146,089
8 Claims. (Cl. 257-37)

3. A heat exchanger apparatus, involving: a housing structure; means for producing an up-draft of air therein; a water spray system in said air stream; a baffle member to divide and distribute water from said spray to lose heat to said air stream; a collector for said water below said baffle members; weir troughs adapted to receive water from said collector for flow in sheet form over the sides thereof; redistributor troughs for receiving the water from said weir trough; each redistributor trough including a bottom grating defining V channels; a removable grating having V slats nestled in said channels to define with said bottom grating, converging pairs of fluid courses forming slits for discharge of water in thin sheets said removable grating unit having means rigidly connecting said slats to form

a structure removable as a unit from said bottom grating; and a plurality of heat exchanger tubes



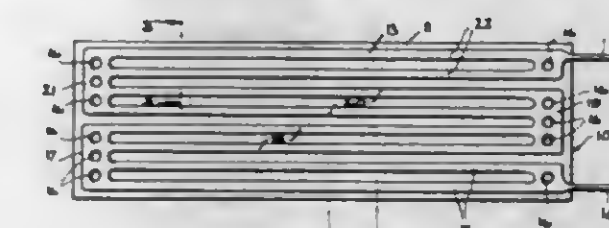
disposed coplanarly with respect to water discharged from said slits.

2,626,130

HEAT EXCHANGER DEVICE

Leon Raskin, Brooklyn, N. Y.

Application August 19, 1949, Serial No. 111,131
2 Claims. (Cl. 257-256)



1. In an evaporator plate for refrigerating systems, a pair of superimposed metal sheets, at least one of said sheets being provided with a continuous sinuous depression extending through the area of said sheet, said depression having parallel leg portions with intervening right portions, said leg portions being subdivided into a plurality of spaced parallel ducts terminating in said right portions, each of said right portions having a cross-sectional area not less than the aggregate area of the ducts in each of said leg portions, said sheets having a longitudinal continuous depression intermediate said parallel ducts, said right portions being each provided with a plurality of substantially circular indentations at spaced points between the ducts to form a series of intercommunicating passageways in communication with the several ducts, each of the said indentations having a diameter approximately equal to the width of each of the ducts.

2,626,131

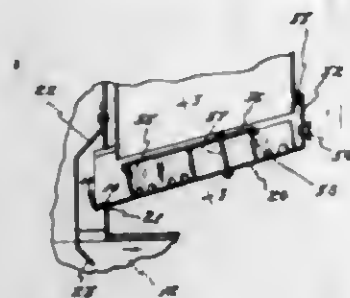
SLURRY DISTRIBUTOR FOR SEED TREATERS

Morris W. Guyer, Spokane, Wash., assignor to Calkins Manufacturing Company, Spokane, Wash., a corporation of Washington

Application June 13, 1949, Serial No. 98,833
6 Claims. (Cl. 259-18)

1. In a seed treater, a tubular slurry delivery channel into which slurry is poured and a distributing trough at the lower end thereof, said

trough having its bottom horizontal in one direction and inclined downwardly in a direction at right angles thereto, and a Z-shaped baffle



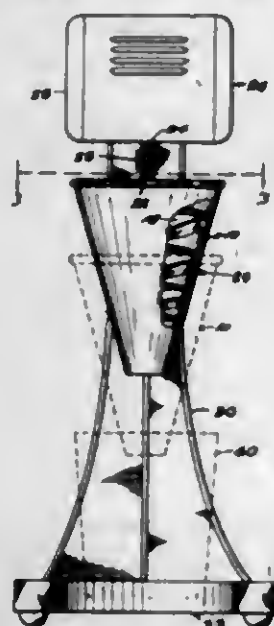
strip in the trough extending across the trough transversely to the direction of inclination of the trough.

2,626,132

MIXING DEVICE FOR FROZEN CONFECTIONS

Claude Reed, Omaha, Nebr.

Application September 15, 1948, Serial No. 49,339
19 Claims. (Cl. 259-44)



1. A mixing device comprising in combination, a container, said container having open ends and having a frusto-conically shaped hollow interior in communication with said end openings; and an auger complementally shaped with respect to said interior, the axial spacing of the successive convolutions of the auger diminishing as the size of the convolutions diminish whereby the convolutions at the small end of the auger are closer together than those at the large end, said container being relatively positionable into and out of operative relation with the auger, and means for rotating the auger when the container is positioned in operative relation with the auger.

2,626,133

APPARATUS FOR PROCESSING FROZEN COMESTIBLES

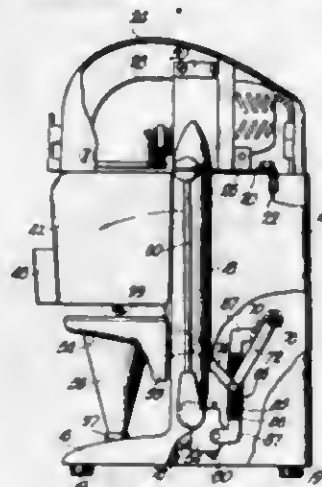
Claude A. Reed, Omaha, Nebr.

Original application June 19, 1950, Serial No. 168,974. Divided and this application November 24, 1950, Serial No. 197,387

21 Claims. (Cl. 259-44)

1. Apparatus of the character described, comprising a tapered auger, means rotatably supporting said auger with its axis upright and its

small end down, an open-top hopper having circular downwardly converging side walls communicating with a restricted opening in the bottom of the hopper, means supporting said hopper below the auger in axial alignment therewith, mechanism connected to one of said support means for moving same toward the other support



means thereby to introduce said auger into the said hopper, said auger and hopper conforming to one another in contour whereby substantially the entire margin of the auger engages the interior of the hopper when the auger is fully inserted therein, and means for rotating said auger in a direction to advance material in said hopper downwardly toward said bottom opening.

2,626,134

AGITATING APPARATUS FOR TRAY ICE-CREAM FREEZERS

William W. Parker, Newport News, Va., assignor to William W. Parker, Jr., and Robert N. Parker, Newport News, Va., a partnership

Application April 29, 1949, Serial No. 90,418
2 Claims. (Cl. 259-101)



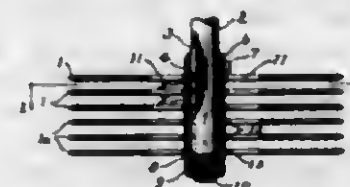
1. In apparatus of the character described, the combination of a tray-type vessel, oscillatory agitating means including a U-shaft, and quick-detachable means for operatively mounting said agitating means in said tray, said last means including coaxially related bearing members permanently affixed in opposite walls of the tray substantially below the top edge line thereof, one of said bearing members being driven and having a diametrical coupling slot in its inner end face, one leg of the U-shaft having an indented portion adapted to be received in said slot and outwardly directed humps at the ends thereof for locating and locking said indented portion with respect to said one bearing member, said vertical leg having sufficient length as to extend through said slot approximately to the top edge line of the tray and being sufficiently flexible that its indented portion may spring-seat itself in the slot and the lower hump may be drawn upwardly through the slot in removing the agitating means from the tray, the other leg of the U-shaft terminating in an axial offset adapted to be received in the other bearing member.

2,626,135

MIXING DEVICE

Herbert Edward Serber, Oakland, N. J.

Application April 20, 1951, Serial No. 221,979
6 Claims. (Cl. 259-106)



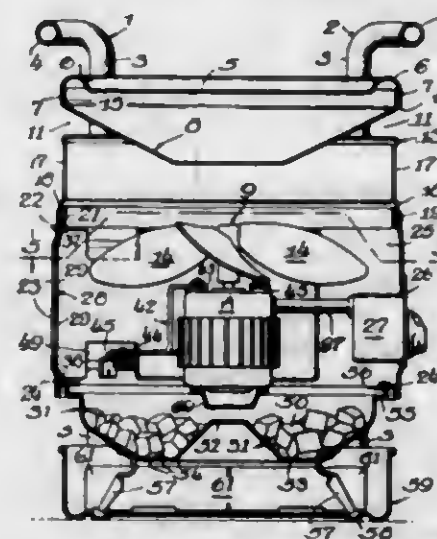
1. Mixing apparatus adapted to be immersed in a body of fluid materials to be mixed, comprising unencased coaxial, parallel and uniformly spaced annular impeller elements forming a mixing head of generally cylindrical contour mounted for rotation as a unit on its cylinder axis, the end elements of said mixing head being thickened and beveled around their peripheral edges and the central openings of said elements collectively forming a bore of substantially constant diameter extending axially and concentrically of said unit, for admitting the fluid materials to the spaces between said elements radially thereof, said annular impeller elements each being so proportioned as to inside and outside diameters and so spaced that the effective impelling surface area of said unit will be equal to that area at which the peripheral velocity head of fluid materials of a given viscosity admitted to and discharged from these spaces will be greater than the force with which said fluid materials tend to adhere to the surface of said elements over said area.

2,626,136

AIR CIRCULATING AND CONDITIONING UNIT

Carl Krauss, Chicago, Ill.

Application November 6, 1948, Serial No. 58,767
9 Claims. (Cl. 261-30)



4. A portable air circulating and conditioning unit, comprising a support having spaced depending legs for supporting the unit upon the floor, a vertically arranged housing mounted on the legs intermediate their ends, a fan mounted in the housing with its operating shaft and blades rotating on a vertical axis, said housing being open at its upper and lower ends and provided adjacent its upper open end and above the fan with a plurality of discharge openings and a deflector thereabove for discharging the air upwardly and outwardly therefrom through an annular opening between the deflector and the upper end of the housing, passages provided in the side walls of said housing intermediate its ends and adjacent

the fan blades for the entrance of air to the fan, and a shutter conforming to and slidably mounted on the housing and provided with similarly arranged passages which when in alignment with the passages in the housing allows for air to be drawn therethrough and to the fan and when said passages are out of alignment prevents the transmission of air therethrough to the fan whereupon air is drawn by the fan through the lower open end of the housing.

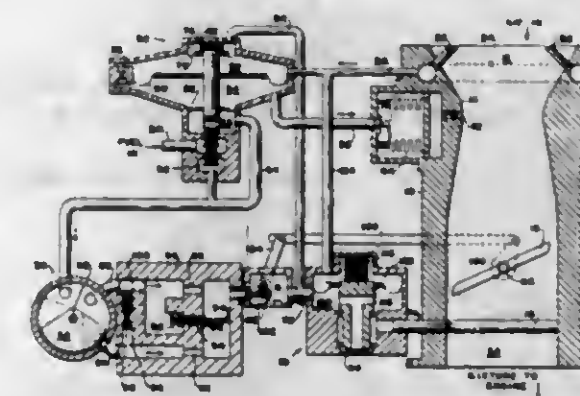
2,626,137

CARBURETOR

Gordon P. Tapley, Suffern, N. Y., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Continuation of application Serial No. 675,242, June 7, 1946. This application November 18, 1950, Serial No. 196,372

17 Claims. (Cl. 261-41)



16. A fuel supply system for an internal combustion engine comprising manual mixture control means for selectively supplying fuel to said engine at an automatically regulated lean mixture rate or rich mixture rate, means for proportioning both mixture rates in response to the power output of the engine, valve means for enriching both mixture rates at the same increasing rate throughout a substantial portion of the power output range of the engine, additional valve means to further increase the enrichment rate of the lean mixture rate throughout a substantial portion of the higher power output range of the engine, and means for maintaining both mixture rates at the same constant maximum value throughout a substantial portion of the high power output range of the engine.

2,626,138

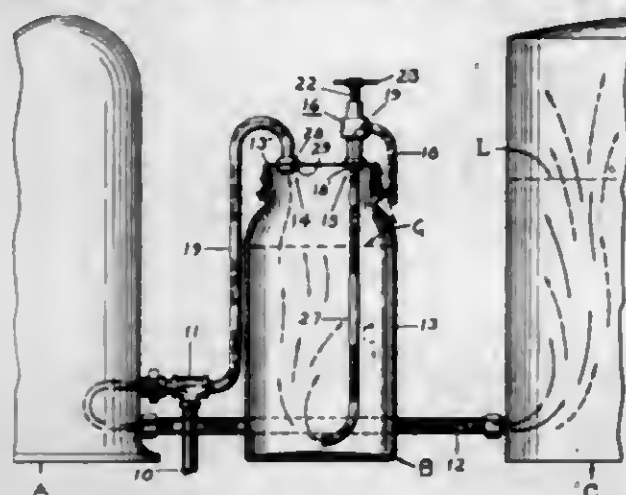
WASHED AIR INDUCTION DEVICE FOR WATER PUMPING SYSTEMS

Cyrus Stevens, Findlay, Ill.

Application January 30, 1950, Serial No. 141,257
2 Claims. (Cl. 261-121)

1. An automatic air supply unit for supplying metered and filtered air to a pressure supply tank of a water system, said water to said system being pumped by a pump from the supply of water, said unit comprising a transparent receptacle having a sealing cover, air inlet and air outlet lines mounted in said cover, a manually adjusted valve having a locknut thereon for controlling the intake of the air through said inlet line, the discharge end of said inlet line extending into said receptacle adjacent the bottom of the same, a fluid in said transparent receptacle extending above the bottom of the air inlet line and short of the air outlet in said cover, a pipe extending from the air outlet in said cover to

adjacent the piping from the pump to the water supply for the system to convey the metered and



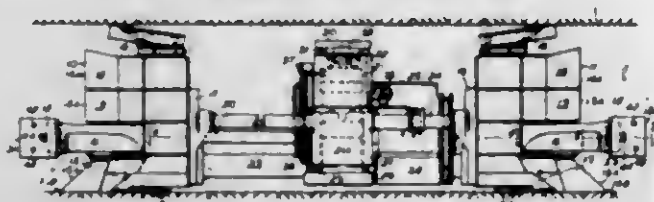
washed air to the pressure supply tank mixed with water pumped from the water supply.

2,626,139

MINING MACHINE

John Maurice Towler, Rodley, England, assignor of one-half to Mavor & Coulson, Limited, Glasgow, Scotland

Application February 17, 1950, Serial No. 144,745
In Great Britain November 10, 1947
8 Claims. (Cl. 262-8)



1. A machine for mining coal or other mineral and of the type stated comprising a frame, a cutter head carried by said frame, a carriage which is guided and supported by said frame for movement along the frame, extensible and contractible roof-and-floor engageable jacking means carried by said carriage to provide a temporarily fixed anchorage against which to apply machine propulsion force, cylinder-and-ram propulsion apparatus carried by said carriage, and ram ends included in said apparatus and arranged for abutting but movable relationship with the frame, said apparatus pushing through said ram ends against the frame in alternately opposite directions in order to advance the frame while the carriage is anchored and to advance the carriage while it is freed.

2,626,140

MINING MACHINE

John Connel Sproul, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland

Application February 17, 1950, Serial No. 144,763
In Great Britain November 10, 1947
17 Claims. (Cl. 262-8)



1. A machine for mining coal or other mineral and of the type stated comprising a frame, a cutter head carried by said frame to split off mineral in a cutting plane from a mine seam, propulsion apparatus supported by said frame for movement along the frame, said cutter head be-

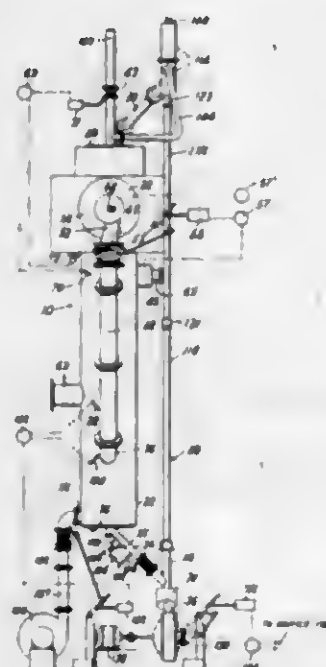
ing structurally related to said propulsion apparatus so that said cutting plane is at the inner side of said apparatus, extensible and contractible roof-and-floor engageable jacking means including a vertical axis cylindrical component which is carried by said apparatus and which is offset to the outer side of the propulsion apparatus, said jacking means providing an anchorage against which said apparatus can apply to the frame propulsive and cutting force, and a pivotal connection between the cylindrical component and the propulsion apparatus such that as the cutting stroke progresses the frame can adjust itself angularly by pivoting about the axis of said cylindrical component.

2,626,141

FLUID HEATING APPARATUS

Paul R. Grossman, Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey

Application April 24, 1948, Serial No. 22,980
14 Claims. (Cl. 263-19)



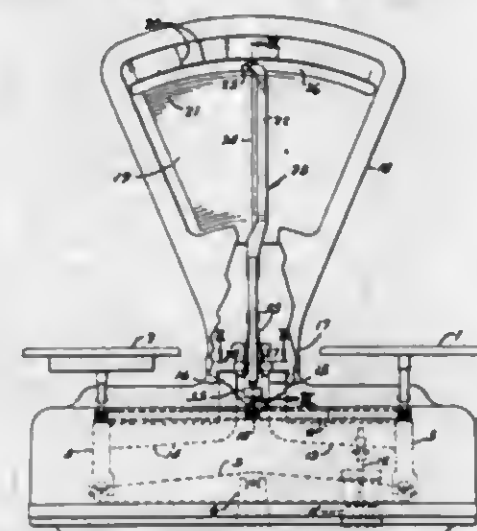
14. In heat transfer apparatus, the combination comprising a gas pervious column of fluent solid material enclosed by walls defining superposed chambers connected by an elongated throat passageway of reduced cross-sectional area, means for directly contacting the solid material while in one of said chambers with high temperature gaseous products of combustion, means for maintaining a fluid to be heat treated in intimate direct contact for a predetermined period with the heated solid material while in another of said chambers, means for withdrawing said solid material from the bottom of said column at a selected rate for the gravitational flow of said material through said chambers and connecting throat passageway, means arranged to receive the material from the bottom of said column and to deliver said material to a position above the upper end of said column including a vertically elongated tube having an upwardly increasing internal diameter, inert gaseous fluid supply means arranged to deliver a gaseous carrier medium under a positive pressure and at a controlled rate to the lower end of said tube, and separating means at the open upper end of said tube arranged to separate the solid material from said gaseous carrier medium for the separate discharge of each.

2,626,142

WEIGHING SCALE INDICATOR

Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application January 30, 1947, Serial No. 725,357
4 Claims. (Cl. 265-54)



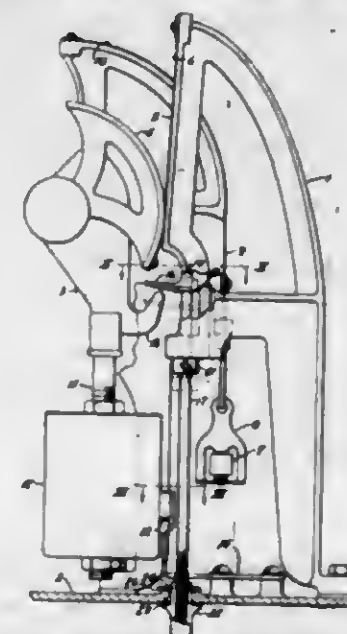
1. An automatic load counterbalance and indicator for a weighing scale, comprising an elongated body serving as an indicator, a pair of resilient members having first ends attached to spaced apart portions of the scale one of which moves relative to the other in response to loads on the scale, said members being attached to the indicator with the other ends of the members held in generally parallel alignment with the axis of the elongated body and spaced apart less than the spacing of the first ends, and means for adjusting the separation between the ends of the resilient members attached to the relatively movable portions of the scale to adjust the sensitivity of the scale.

2,626,143

PENDULUM LOCK

Norman E. Hart, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application September 20, 1950, Serial No. 185,764
1 Claim. (Cl. 265-62)



In a lock for a pendulum of a weighing scale, in combination, a base, a frame erected from the base, a pendulum supported on the frame, a locking horn on the pendulum, a rod mounted for vertical movement in the frame, a perforated plate mounted on the rod for engaging the locking horn, a nut rotatably mounted in the base

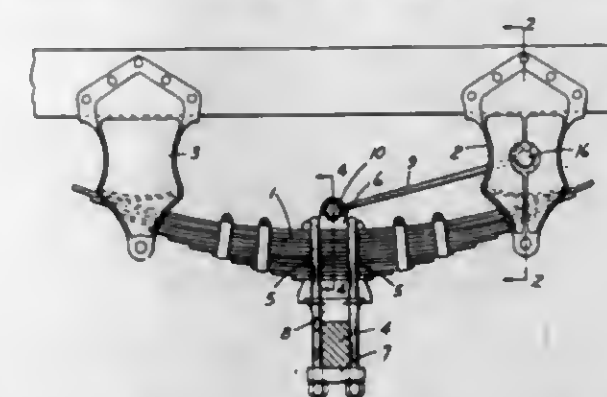
and threaded onto the rod, a spring clip engaging a groove in the nut and the adjacent surface of the base to hold the nut in position, and means on the rod to limit the upward travel of the rod.

2,626,144

ADJUSTABLE SPRING SUSPENSION

James Stephen, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation

Application July 29, 1946, Serial No. 686,870
2 Claims. (Cl. 267-56)



1. In a spring suspension for axles, in combination, a vehicle frame, front and rear spring hangers carried thereby, a spring unit having its opposite ends movably mounted in said hangers, an axle supported on the middle portion of the spring unit, and radius rod connecting means intermediate the spring unit and one of said hangers including a radius rod connected at one end to the spring unit, and a shock absorbing connector unit connecting the other end of the radius rod with one of the hangers and comprising relatively movable parts, one of which is shiftable to move the spring unit and axle longitudinally relatively to the vehicle, means to actuate said shiftable part to move the said axle, and means to hold the shiftable part stationary on its hanger and simultaneously render the shock absorbing function of said connector unit effective.

2,626,145

TISSUE INTERFOLDING METHOD AND APPARATUS

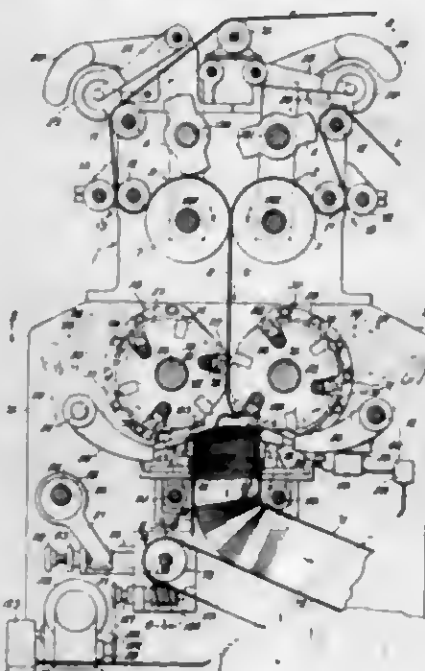
Reinhardt N. Sabec, Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware

Application April 5, 1947, Serial No. 739,583
11 Claims. (Cl. 270-73)

1. In a rotary folding machine of the class described, the combination of a pair of folding rolls mounted for rotation in opposite directions, means for feeding a web to be folded to said folding rolls, a pair of jaws and a tucker carried by each of said rolls, means for driving said rolls in such timed relation that the tucker of each roll enters between the jaws of the other and is withdrawn therefrom as an incident to the rotation of the rolls, means independent of said tucker for holding the jaws in spaced, nongripping relation to the cooperating tucker when the latter is disposed between the jaws and for causing said jaws to close and grip the tucked in web material immediately following withdrawal of the tucker from between the jaws, and means for subsequently reopening said jaws to discharge the tucked in material.

7. In the art of Z-folding a weakly bonded transversely slitted web by apparatus embodying travelling gripping jaws and a travelling tucker which tucks the web between the jaws dur-

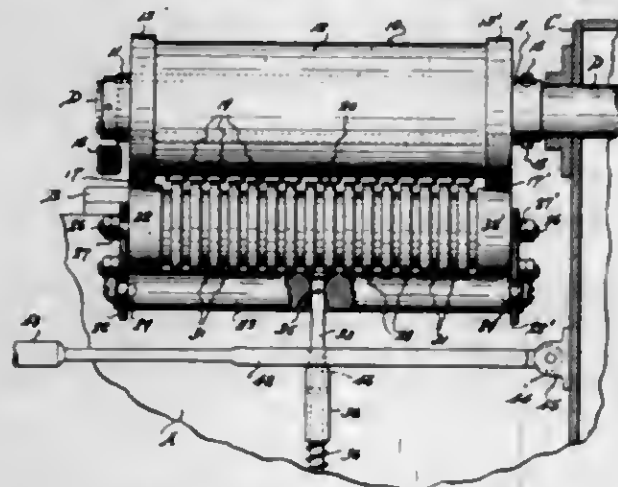
ing predetermined, cooperating portions of the paths of travel of said jaws and tucker, the step of providing free slack in the web between said cooperating portions of said paths of travel and a tuck in the web carried by a pair of jaws imme-



diately beyond said cooperating portions, thereby to provide available free material for the tuck in the web so as to avoid tensioning of the material and breakage of said bonds incident to the tucking of the web as aforesaid.

2,626,146

PRECISION STRIP FEED MECHANISM
Henry G. Goetz, Short Hills, and Henry F. Ruschmann, Bernardsville, N. J.
Application July 8, 1949, Serial No. 103,698
3 Claims. (Cl. 271-2.3)

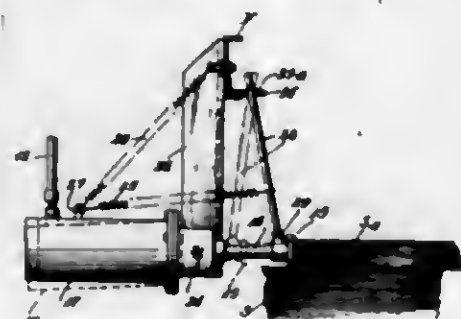


1. In a propulsion device for strip feeding mechanism operative upon a strip provided with traction perforations uniformly spaced longitudinally thereof and having a housing and a driven shaft journaled therein; the combination of a meter roller operatively connected to said driven shaft, a pressure roller opposed to said meter roller for propulsion of a strip through the nip of said rollers, at least one sprocket tooth projecting radially from the periphery of the meter roller for successive propelling and aligning engagement with the strip perforations, a supporting frame for the pressure roller, said supporting frame comprising side plates pivotally mounted on the housing of the strip feeding mechanism for independent swinging movement toward and from the meter roller, and a spacer rod extending between the free end portions of said side plates with its ends pivotally connected to the latter in

a manner to permit differential swinging movement of the side plates, the pressure roller having its ends journaled in the side plates of the frame in a manner to permit it to wobble angularly under differential swinging movements of said side plates whereby to accommodate it to inequalities of thickness of the fed strip, means to apply yieldable thrusting pressure to said frame whereby to urge the pressure roller toward the meter roller, the latter means comprising a thrust rod having one end connected to the center of said spacer rod by a universal joint connection, means to slidably support the opposite end portion of said thrust rod, a sleeve longitudinally adjustable on said thrust rod, a compression spring around said thrust rod between its support and said sleeve, and means cooperative with said thrust rod by which the supporting frame can be manually moved to release the pressure roller from strip engagement without disturbing the tension of the compression spring as predetermined by the adjusted position of the sleeve on said thrust rod.

2,626,147

JOGGING DEVICE FOR PILED SHEETS
Nils Gjostein, New York, N. Y., assignor to Federal Carton Corporation, North Bergen, N. J., a corporation of New York
Application June 9, 1949, Serial No. 98,051
5 Claims. (Cl. 271-8)



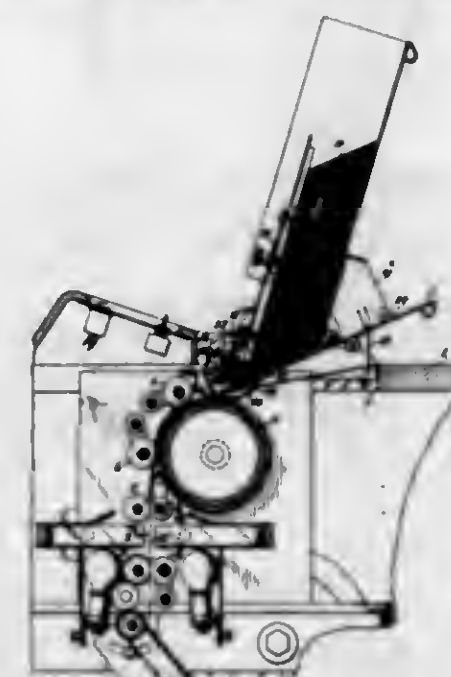
1. Jogging means for aligning the top layer of sheets in a stack of sheets, said jogging means comprising a support, an air cylinder which is pivotally attached to said support so as to be turnable in a substantially vertical plane, said cylinder tending to turn in one direction, spring means attached between said cylinder and said support and adapted to tend to turn said cylinder in the opposite direction whereby to tend to maintain said cylinder in a substantially horizontal position, a piston slidably disposed within said cylinder and extending out of one end thereof, the outer end of said piston having a transverse plate mounted thereon and normally positioned proximate to a side face of said top layer of sheets, and means for moving said piston outwardly so that said plate bears against said side face of said top layer of sheets, said cylinder tending to turn so as to maintain said plate in abutment with said side face during the outward movement of said piston.

2,626,148

AUTOMATIC SHEET FEEDING MECHANISM
Elmer L. Johnson, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application March 3, 1950, Serial No. 147,496
13 Claims. (Cl. 271-39)

1. In an automatic sheet feeding mechanism for use on a sheet handling mechanism provided with a horizontal driven rotatable sheet feed drum and pressure gripping means for gripping

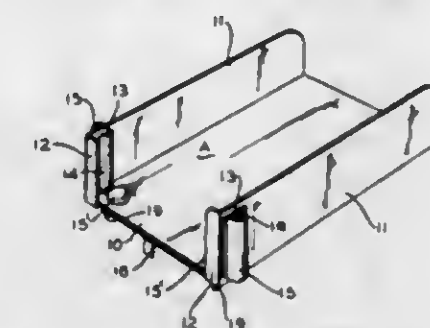
sequentially fed sheets between it and said drum for the feeding of the sheets, the combination of sheet stack supporting and advancing means comprising a support plate for supporting a stack of sheets on edge and arranged with one end thereof in adjacent tangential sheet feeding relation with the upper portion of said feed drum, a rotatable feed roll arranged transversely of and above said support plate on an axis inwardly adjacent said end of said support plate and against which said sheet stack is advanced and arranged to overlap its engagement with a fed sheet with engagement of the sheet between said gripping



means and feed drum, a rotatable drum engaging roller of greater diameter than said feed roll and arranged on an axis above said support plate and inwardly adjacent said end thereof and projecting below said support plate and adapted to have rolling driven engagement downwardly on said feed drum, and an angular velocity increasing transmission for driving said feed roll from said drum engaging roller for the sequential feeding of sheets from said sheet stack to said feed drum and arranged to drive said feed roll at an angular velocity greater than and at a peripheral velocity less than that of said drum engaging roller.

2,626,149

CARD FEEDBOX
Hartvig E. Holmberg, St. Paul, Minn., assignor to The Hart Manufacturing Co., St. Paul, Minn.
Application April 23, 1949, Serial No. 89,348
4 Claims. (Cl. 271-61)

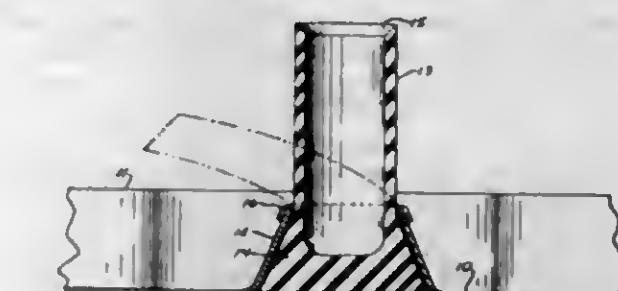


1. A card feedbox for duplicating machines consisting of a bottom, side walls, rear end positioning wall means, a transverse opening formed within and adjacent the rear end of each of said side walls, a cylindrical resilient card holding member positioned within said transverse openings, casing means for maintaining said card

holding members within said transverse openings, raised portions formed on said bottom adjacent said resilient members by pressing the same to hold cards placed in said feedbox in a cupped position.

2,626,150

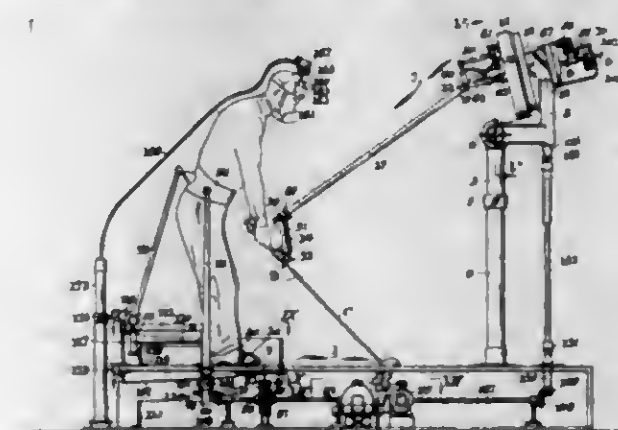
GOLF TEE
James A. Karns, Akron, Ohio, assignor to Fawick Flexi-Grip Company, a corporation of Ohio
Application October 6, 1949, Serial No. 119,832
3 Claims. (Cl. 273-33)



1. A golf tee comprising a substantially rigid stabilizing base member and a vertically elongated, flexible ball-support member upstanding therefrom and stabilized thereby, the two having respective stabilizing faces mated to each other with only such engagement, and with such looseness between them, that the ball-support member is freely rotatable with relation to the base member in response to off-center impact of a golf club against the ball-support member.

2,626,151

GOLF PRACTICING APPARATUS
George M. Troutman Jenks, St. Petersburg, Fla.
Application January 28, 1949, Serial No. 73,264
16 Claims. (Cl. 273-35)



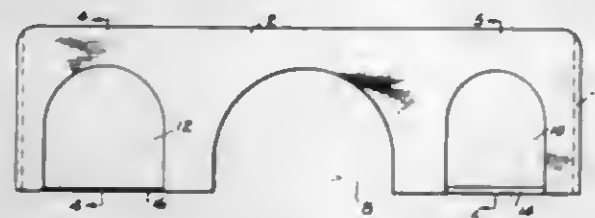
12. Golf practice apparatus comprising a support, a rock shaft axially slidable on said support, first cam means for sliding said rock shaft axially in response to its rocking movement, a club holder arm pivotally supported on a pivot transverse to the axis of said rock shaft, second cam means for swinging said club holder arm about said pivot also in response to the rocking movement of said rock shaft, and in definite predetermined relation to said axial movement, and means for attaching a golf club to said club holder arm.

2,626,152

GOLF PRACTICE TARGET DEVICE
James I. Miller, Castle Point, N. Y.
Application July 12, 1950, Serial No. 173,430
3 Claims. (Cl. 273-36)

1. A golf practice device comprising a panel having arches therein opening in its lower edge, said arches being of different width, and the

narrower of said arches having a bar extending across the bottom of its opening and offering re-

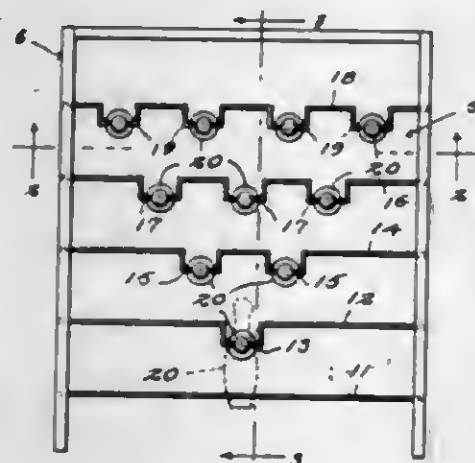


distance to the passage of a golf ball there-through, the other arch being unobstructed.

2,626,153

BOWLING GAME APPARATUS WITH SWINGABLY SUPPORTED PINS

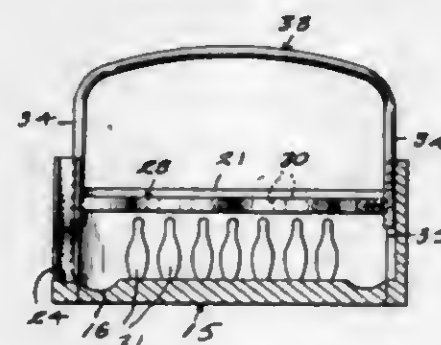
Robert R. Denney, Springfield, Ill.
Application July 27, 1951, Serial No. 238,835
5 Claims. (Cl. 273-41)



5. A bowling game apparatus comprising a frame having elongated transversely spaced relatively wide side members having bottom edges adapted to rest upon a supporting surface and means connecting said side members in spaced substantially parallel relationship, said frame having an open forward end and a rear end provided with an open bottom portion through which bowling balls are adapted to roll longitudinally through the frame between the side members thereof, a plurality of wires extending transversely across the frame and anchored at their ends in said side members in longitudinally spaced substantially parallel relationship to one another, a plurality of bowling pins mounted on certain of said wires for swinging movement relatively thereto in vertical planes, said wires having forwardly offset portions engaging said pins, the pins supported by each wire being staggered relatively to the pins supported by the wire or wires disposed immediately adjacent thereto, said pins having enlarged lower ends and restricted upper ends and swingably engaging the forwardly offset wire portions nearer their upper ends than their lower ends, the lower ends of said pins being adapted to swing upwardly and rearwardly to inverted positions when struck by a bowling ball passing through the frame and thereafter swinging downwardly and forwardly into engagement with a portion of wire disposed immediately in front of the forwardly offset wire portion on which the pin is swingably mounted, for supporting each pin thus struck in substantially a horizontal position and at a level to permit bowling balls thereafter to roll therebeneath without coming in contact therewith.

2,626,154 PIN SPOTTER FOR MINIATURE BOWLING GAMES

Raymond G. Lowry, Pontiac, Mich.
Application March 9, 1951, Serial No. 214,755
1 Claim. (Cl. 273-46)

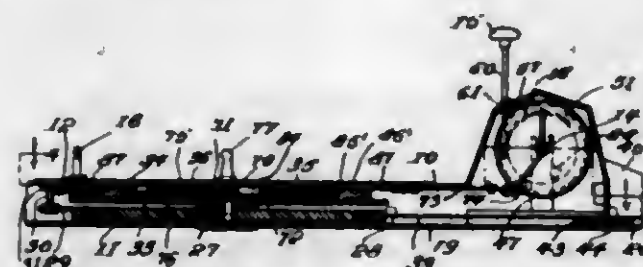


A pin spotting device for a miniature bowling game which includes an elongated alley, said device comprising a pair of vertical side wall members, oppositely disposed, one on each side of one end of said alley, a pair of vertical oppositely aligned upwardly convergent guide grooves, one in each side wall, an apertured pin spotting plate having oppositely extending lugs on the sides thereof adjacent said guide grooves, semi-circular grooves in the ends of said lugs, an inverted U-shaped handle of circular cross section and of resilient material having its opposite legs fixed in said semi-circular grooves with a portion of the periphery of said legs extending beyond said lugs, said portion being slidable in said guide grooves when said opposite legs are slidably engaged, the inclination of said guide grooves compressing said legs upon upward movement of said plate to hold said plate in an upper inoperative position above said alley.

2,626,155

BASEBALL GAME BOARD

Ferdinand Belerle, Detroit, Mich.
Application December 2, 1949, Serial No. 130,712
2 Claims. (Cl. 273-93)



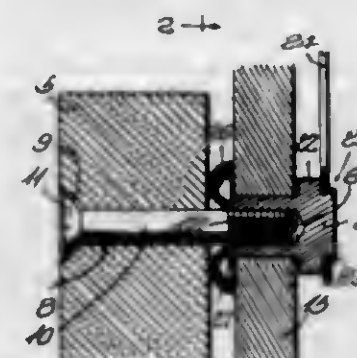
1. In a baseball game, the combination which comprises a horizontally disposed board having a baseball diamond with a home plate, the first, second, and third bases therein illustrated thereon, magnets corresponding with the bases and home plate of the diamond positioned against the under surface of the game board, means conveying the magnets around the diamond, a spool positioned below the magnet conveying means, means connecting the spool to the magnet conveying means, an operating panel extended beyond one end of the game board, a winding spool mounted on the panel and connected by a cord to the spool below the magnet conveying means for actuating the said spool of the magnet conveying means, a plurality of playing pieces freely positioned on the game board, said playing pieces having bases of material having magnetic attraction whereby upon operating the magnet conveying means displaying pieces travel around the baseball diamond, and a longitudinally operating

magnet positioned in the center of the diamond for actuating a playing piece representing a pitcher.

2,626,156

ROTATING CHANCE GAME APPARATUS

Jean Burroughs Bergh, New York, N. Y.
Application February 15, 1951, Serial No. 211,159
2 Claims. (Cl. 273-142)

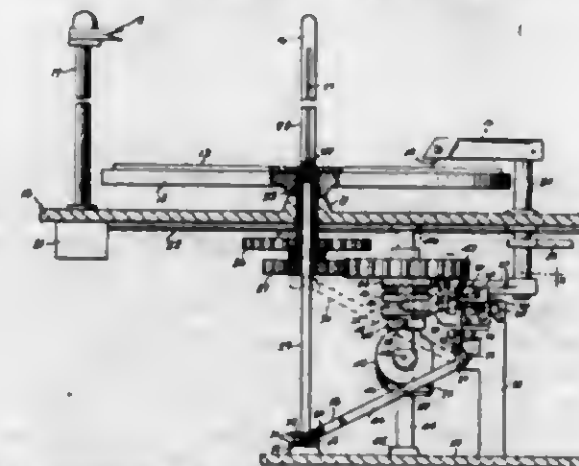


1. A game apparatus comprising a base, a standard carried by said base, a shaft projecting forwardly from said standard and threaded from its front end, a cup-shaped annular disc fitting about said shaft in front of said standard and having a frusto-conical central portion projecting forwardly beyond the plane of the marginal edge of the disc, a block screwed upon the front end portion of said shaft and having a flat rear end bearing against the front end of the forwardly projecting central portion of said disc, a scoring wheel freely rotatable about said block and spaced from said standard by said disc, and a pointer carried by said block and projecting radially therefrom in cooperating relation to said scoring wheel.

2,626,157

PHONOGRAPH RECORD AUTOMATIC CHANGING DEVICE

Bronislaw J. Jablonski, Ware, Mass.
Application April 16, 1948, Serial No. 21,427
1 Claim. (Cl. 274-10)



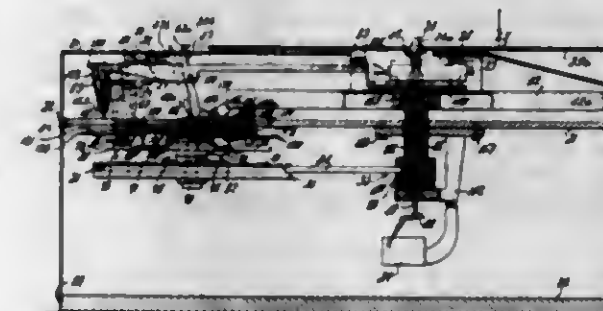
In a phonograph of the type having a turntable with means for supporting a stack of records above the turntable and dropping one record at a time toward the turntable from the stack, and a tone arm supported by a vertical axis first shaft to swing inwardly over the turntable and to swing outwardly beyond the peripheral edge of the turntable, and drive means for rotating the turntable, for operating said record stack supporting and dropping means, and for swinging the tone arm outwardly to a position beyond the peripheral edge of the turntable from an inward record playing position, the improvement which comprises record lowering means comprising a

666 O. G.—53

2,626,158

PHONOGRAPH RECORD DEMONSTRATOR

Alexander Lissiansky, New York, N. Y., now by change of name Alexander Lissance
Application July 3, 1948, Serial No. 36,887
8 Claims. (Cl. 274-14)



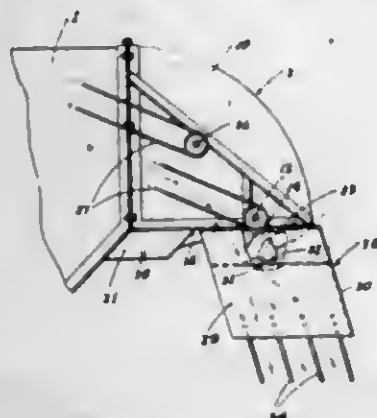
1. In a tone reproducing apparatus having a cover plate, a chassis plate below said cover plate, a tone arm supported by said chassis plate and adapted to carry an element for engagement with the recording grooves of a disc, a motor, a platform for said disc and rotatable within an opening of said cover plate, and transmission means connected to said motor for operating said platform; a pulley journaled on said chassis plate, and in driving connection with said motor, a plurality of cam means positioned above said pulley, means carried by and adapted to couple said cam means with said pulley and for release therefrom, a pick-up lever controllable by one of said cam means and connected to said tone arm, whereby said pick-up lever is moved from starting position to a predetermined position in which said tone arm element is disengaged from said recording grooves, a pawl member pivoted to said chassis plate, toothed means carried by said pick-up lever and cooperable with said pawl member in said predetermined position of said

pick-up lever, said pawl member being actuable by said pick-up lever in said predetermined position and being operatively connected with said coupling means to cause engagement of said cam means with said pulley whereby said pick-up lever is moved by said cam means to starting position, and a lift pin passing through said pick-up lever, said lift pin being controllable by another of said cam means and being engageable with said tone arm, whereby the latter is moved by said pick-up lever in one direction and by said lift pin in a direction perpendicular to said one direction, said cover plate being provided with a passage for said tone arm element when moved toward and from said recording disc in accordance with movements of said tone arm.

2,626,159

STRAW CHOPPER AND SPREADER FOR HARVESTERS

Ernest S. Thompson, Strathmore, Calif., assignor to himself and Ethel Thompson, as joint tenants
Application April 1, 1949, Serial No. 84,843
5 Claims. (Cl. 275-3)

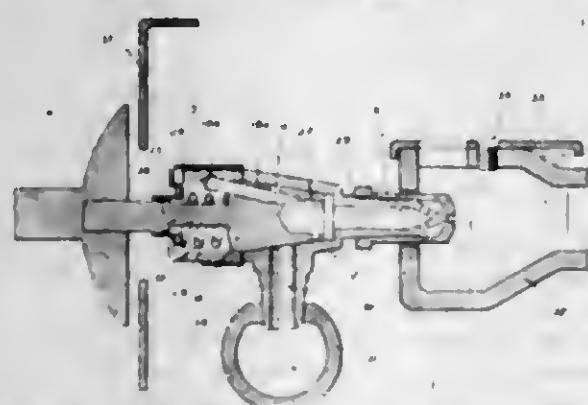


3. In a traveling harvester having straw chopping means enclosed within a rear-end downwardly opening shroud, and a discharge hood depending from the shroud in communication with the opening thereof; straw deflecting means mounted in the hood; said deflecting means including an inverted V-shaped divider mounted in the hood with the sides of said divider inclining transversely of the direction of travel and outwardly below the opening.

2,626,160

VALVE

Isaac Vernon Brumbaugh, Clayton, Mo.
Application December 8, 1947, Serial No. 790,356
6 Claims. (Cl. 277-64)



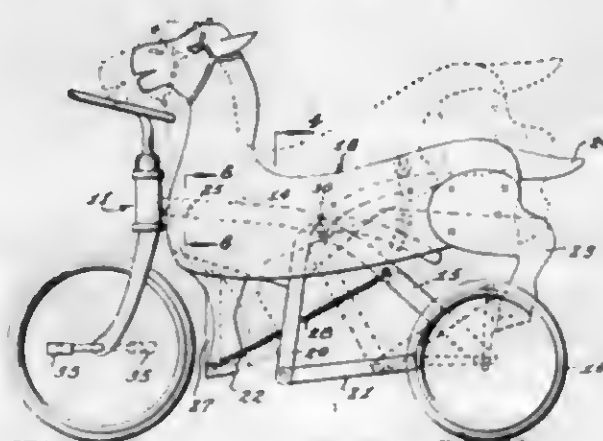
1. A rotor valve plug for use with a casing having an inlet port and an outlet port, said plug comprising a frusto conical rotor plug having a relatively large outlet bore formed as a discharge recess in one end thereof and forming a hollow therein, said plug also having a main gas passage

formed as a cross bore and leading substantially radially from the discharge recess to the circumferential surface of the plug substantially at a point on said surface which is in a plane cutting said plug perpendicularly to the longitudinal axis of the plug and passing through said inlet port, said plug being also formed with a plurality of separate substantially longitudinally extending bores each of which is comparatively small relative to said discharge recess, each of which bores is spaced from the longitudinal axis of the plug, and each of which bores is connected to said discharge recess and leads substantially longitudinally of the plug to the end opposite said recess, and said plug being also formed with a plurality of separate radial bores, each said radial bore leading from one of said longitudinal bores substantially radially outward to a point on the circumferential surface of the plug which is in a plane cutting said plug perpendicularly to the longitudinal axis of the plug and passing through said inlet port, and said longitudinal bores being provided with screws blocking a portion thereof which is toward the end of the plug opposite to said recess.

2,626,161

ANIMAL SIMULATING TRICYCLE ATTACHMENT

Loma E. Thacker, Mountain Home, Tenn.
Application April 6, 1951, Serial No. 219,640
1 Claim. (Cl. 280-1.192)

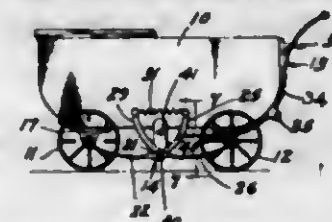


In a tricycle, a longitudinally extending upper main frame member, a fork member secured to the rear end of said frame member, a transverse axle rotatably mounted in said fork member, said axle being offset at its intermediate portion, a longitudinally extending support member pivoted to the forward portion of said frame member for rotation in a longitudinal vertical plane, said support member being shaped to simulate the body of an animal, the bottom of said support member being longitudinally grooved and receiving said main frame member, a bell crank lever pivoted at its intermediate portion to the intermediate portion of the main frame member, one end portion of said lever being engageable in the rear portion of the longitudinal groove in the bottom of said support member, a link connecting the opposite end portion of said lever to the offset intermediate portion of the axle, whereby rotation of said axle causes said body to oscillate vertically, a depending arm carried by the forward portion of said support member, and a spring connecting said depending arm to the rear portion of the frame member and biasing the rear portion of the support member upwardly.

2,626,162

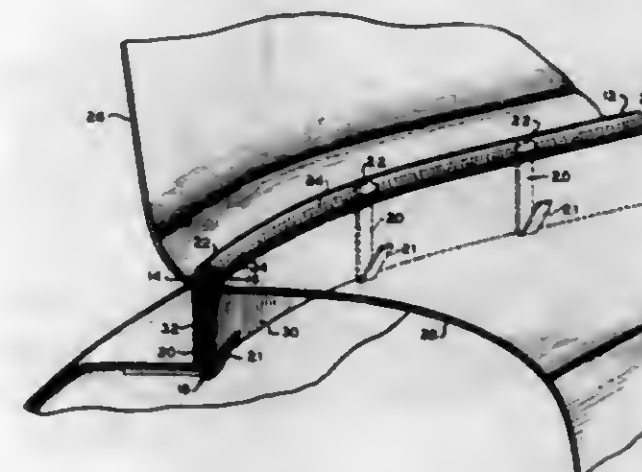
PERAMBULATOR

Wilhelm Erwin, Buenos Aires, Argentina
Application October 2, 1950, Serial No. 187,980
In Argentina October 5, 1949
7 Claims. (Cl. 280-5.28)



6. In a perambulator having a body, a pair of spaced bearings on the forward bottom part of the body, a front axle removably journaled in said bearings, wheels on said axle, a pair of transversely spaced arcuate arms pivotally supported on the body, the front end of each of said arms being connected to said front axle and the other end being directed upwardly, a rear axle journaled under the body, a pair of wheels on said rear axle, a second pair of arcuate arms pivotally connected with the body in crossing relation with the first pair of arms, said second pair of arms having their rear ends connected to the rear axle and their forward ends directed upwardly, and a spring connected to the upwardly directed ends of a front arm and a rear arm of each crossing pair to exert tension between said ends of the arms and to bias the axles downward from their bearings.

walls thereof, said slits being spaced along one side of said tubing, a plurality of clips having an elongated flat shank portion and a rolled-over eye adjacent one end thereof, each of said eyes being of a size to be inserted through one of said slits and positioned within said tubing, and an elongated member extending through said tubing and through the eyes of each of said clips, certain of said clips being relatively long and formed of a relatively soft flexible metal whereby the ends of the shank portion may be bent over to securely hold the fender welt in position and other of said clips being relatively short to serve as guide pins.

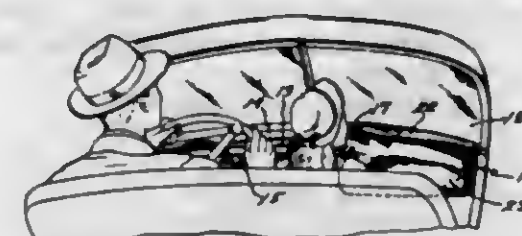


gated member extending through said tubing and through the eyes of each of said clips, certain of said clips being relatively long and formed of a relatively soft flexible metal whereby the ends of the shank portion may be bent over to securely hold the fender welt in position and other of said clips being relatively short to serve as guide pins.

2,626,163

SAFETY CRASH PAD FOR VEHICLES

Frank M. Scantlebury, Shelton, Conn., assignor to The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut
Application July 2, 1949, Serial No. 102,890
4 Claims. (Cl. 280-150)



1. A cushioning appliance adapted to cover and generally conform to at least a portion of the shelf surface and front face of a ledge type of vehicle instrument panel, comprising, a pad of cellular resilient material including a cap portion for cushioning said shelf surface of the panel and an apron portion hanging downward therefrom for cushioning said front face of the panel, a flexible jacket enveloping said slab, a flexible flap including a piping reinforced by a rod-like core attached to said jacket and outstanding from said cap portion of the slab, and hinge-action fasteners piercing said piping and looped about said core by which to anchor said slab liftably and detachably in position loosely to cover both said shelf surface and said front face of the instrument panel.

2,626,164

UNIVERSAL FENDER WELT

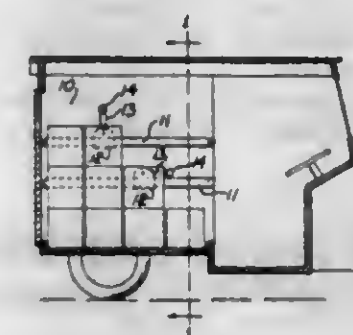
Charles D. West, Orlando, Fla.
Application August 4, 1950, Serial No. 177,631
10 Claims. (Cl. 280-153.5)

1. A fender welt comprising plastic tubing having a plurality of slits extending through the side

2,626,165

SAFETY LOAD BRACING DEVICE FOR VEHICLES

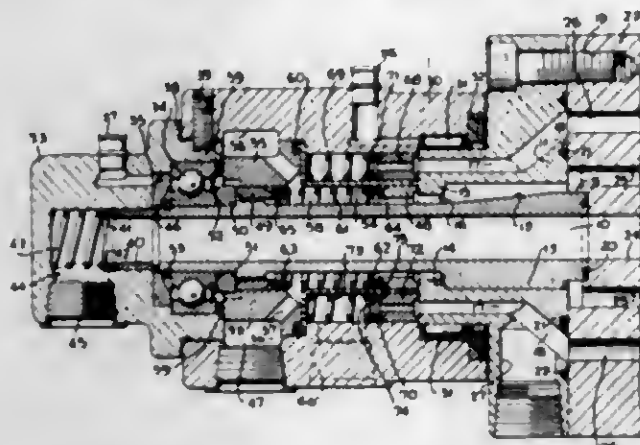
Peter Snyder, Hamden, Conn., assignor of one-half to Waldo Walter Grano, North Haven, Conn.
Application February 26, 1952, Serial No. 273,457
3 Claims. (Cl. 280-179)



1. A pair of parallel rails mounted on opposite walls of a vehicle; a pair of holding members, each slidably mounted on one of said rails; a cross-bar extending between said rails and a pair of parallel arms, secured to the ends of said cross-bar, forming a U-shaped load bracing member, the free end of each of said arms being pivotally connected to one of said holding members, so as to permit the swinging of the arms, together with the cross-bar, from a substantially horizontal plane up to a substantially vertical plane; a pair of cams, each pivotally connected to one of said holding members and also to one of said arms, said cams being so adapted as to secure frictionally said holding members to the respective rails when said arms are in a substantially horizontal position and to permit the sliding of the holding members on the rails when said arms are swung up to a given angle or further, into a substantially vertical position.

2,626,166

PLURAL-PASSAGE ROTARY FLUID SEAL
 Thomas L. Fawick, Cleveland, Ohio, assignor to
 The Fawick Airflex Company, Inc., a corpora-
 tion of Indiana
 Application March 21, 1950, Serial No. 150,983
 2 Claims. (Cl. 285—22)

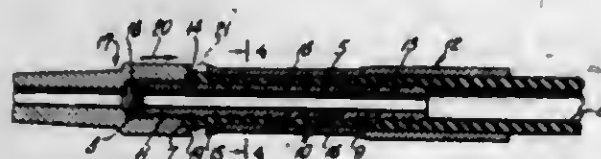


1. A rotary seal comprising two relatively rotary members each formed with at least three fluid passages and means for maintaining sealed communication between the fluid passages of one of the members with respective fluid passages of the other of said members and thus maintaining respective flow channels, said means comprising, as to one of the said flow channels, a pair of oppositely axially facing slip-seal rings on one of said members and having slip-seal relation to the other of said members, and, as to another of said flow channels, two slip-seal rings radially spaced from each other, facing in the same direction, and defining between them an annular flow chamber constituting a part of the last mentioned flow channel.

2,626,167

HOSE COUPLING

Irving A. Lake, Mount Vernon, N. Y., assignor to
 Grajet Corporation, Wilmington, Del., a corpo-
 ration of Delaware
 Application August 17, 1949, Serial No. 110,687
 1 Claim. (Cl. 285—84)

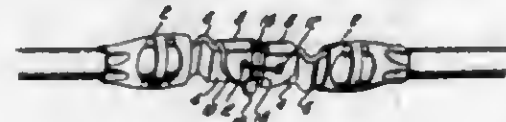


A hose coupling comprising, in combination, a nipple having one end received within an end of a hose of elastic material and a section of the other end provided with external threads for anchoring reception within an internally-threaded connector collar, rigid sleeve means clamped about a section of said hose end to secure it to said nipple with a fluid-tight seal and with a washer-like section of the end of the hose exposed beyond the outer end of said sleeve means and extending over some of the threads at the inner end of the threaded section of said nipple to provide a resilient gasket, and an internally-threaded connector collar mountable on said nipple with a gasket seat on the leading end of said collar jammed against said elastic washer-like end section of said hose when said collar is screwed up onto the threaded section of said nipple to the fullest extent possible and with said washer-like hose section bunched and pinched against said sleeve means outer end.

2,626,168

ELECTRICAL CONNECTOR

James C. Macy, Cranford, N. J., assignor to Air-
 craft-Marine Products, Inc., Harrisburg, Pa., a
 corporation of New Jersey
 Application June 28, 1946, Serial No. 679,947
 1 Claim. (Cl. 287—76)

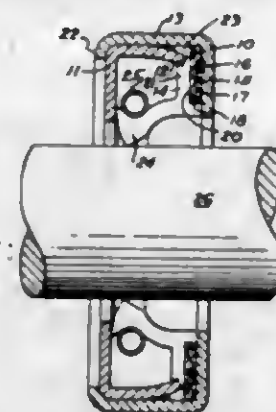


Two connector terminals in engaging relation each of the type having means for engagement with a wire cable cord and the like, each terminal having a blade portion extending from said means and a clip portion integral with said blade portion extending therefrom across one face thereof at a distance when unstressed less than the thickness of the blade portion adjacent to the clip whereby when said two such terminals are interconnected the blade portion of one is inserted between said blade and clip portions of the other, the improvement that comprises each terminal having three holes therein, the first in the clip portion, the second in the adjacent blade portion substantially opposite the one in the clip portion, and third, also in the blade portion but at a point thereon where the clip of a counter-part terminal is received, and a discardable tie located in the holes of each terminal when the terminals are in interengaging relation.

2,626,169

FLUID SEAL

Lloyd A. Johnson, Atherton, and Fred A. Helfrecht
 and Hugh T. Stewart, Redwood City, Calif., as-
 signors to National Motor Bearing Co., Inc.,
 Redwood City, Calif., a corporation of Cali-
 fornia
 Original application April 18, 1947, Serial No.
 742,228. Divided and this application May 19,
 1948, Serial No. 27,874
 3 Claims. (Cl. 288—3)



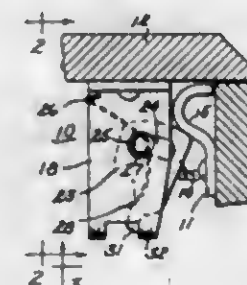
1. A sealing device for sealing an annular space between a cylindrical surfaced rotatable shaft and a cylindrical surfaced opening in a machine part through which the shaft extends, comprising a housing having a pair of apertured, spaced apart radial end walls through which the shaft may extend, and a cylindrical connecting wall adapted for non-rotative fit on one of the aforesaid cylindrical surfaces; a sealing element comprising a molded resilient sealing member having a radial web, a sleeve-like sealing flange extending axially from one peripheral portion of said web and adapted to effect a running seal with the other of the aforesaid cylindrical surfaces, and the other peripheral portion effecting a seal with the cylindrical wall of said

housing, said sealing element also having a rigid, substantially flat, annular stiffening member fixed to the side of said radial web remote from the sealing flange, said member extending a less radial distance than said radial web, the web providing a band-like peripheral sealing portion on said molded resilient member in radial alignment with said stiffening member, with the back face of said stiffening member in substantial alignment with the back radial face of said band-like portion; the back face of said stiffening member and said band-like portion contacting one of the radial walls of the housing, and means for holding said member in leak-tight contact with said radial wall.

2,626,170

DUAL PIVOT CATCH

Ralph K. Nottingham, Portland, Oreg., assignor to
 Phillips Tutch-Latch Company, New York,
 N. Y., a corporation of Delaware
 Application July 17, 1950, Serial No. 174,308
 1 Claim. (Cl. 292—78)



In a device of the class described comprising cooperating catch and latch units adapted to be mounted respectively on a pair of relatively movable members, said catch unit being adapted to be mounted adjacent the path of travel of said latch unit and defining an outwardly extending shoulder, said latch unit comprising a U-shaped bracket member having a pair of spaced-apart, parallel wall portions, each of said wall portions having outwardly extending flanges at the free end thereof whereby said bracket may be mounted on one of said movable members with the walls thereof parallel with the path of travel of said relatively movable members, a latch element mounted between said walls, an elongated opening in one end of said latch element, a pin secured to said walls and extending through said opening, the opposite end of said element defining a pivotal abutment spaced apart from said pin in the direction of the path of travel of said relatively movable members, the end wall portion of said bracket opposite said flanges defining a shoulder, said pivotal abutment including a portion adapted to engage said shoulder, spring means connected between said bracket and said latch element urging said latch element against both said pin and said shoulder, said spring means comprising a coil spring arranged with the coiled portion thereof surrounding said pin and having a pair of extending arms, one of said side walls, the other of said arms being biased against said latch element at a point relatively far removed from said pin and relatively close to said pivotal abutment, said elongated opening in said latch element being of sufficient width whereby the latch element may move freely back and forth over said coiled portion throughout the limits of elongation of said elongated opening, said latch element including a portion extending outwardly of said bracket and into the path of said catch unit, said latch element being pivotally movable inwardly of said

bracket about said abutment upon closing movement of said members, said latch element being pivotally movable about said pin upon opening movement of said members, the pivotal movement of said latch element in both instances being resiliently opposed by said spring means.

2,626,171

GATE LATCH

Clarence E. Wallace, Yuba City, Calif., assignor
 of one-half to Ester L. Hiatt, San Mateo, Calif.
 Application June 10, 1949, Serial No. 98,257
 4 Claims. (Cl. 292—128)

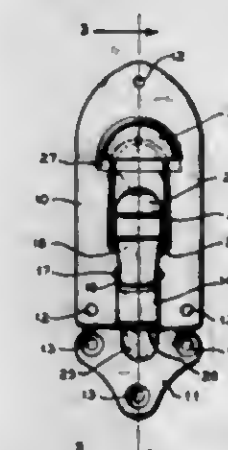


1. A latch for a hinged gate having a free end post disposed, when the gate is closed, adjacent but spaced from a fixed post; said latch comprising a rigid bar disposed behind the gate post relative to the predetermined direction of opening movement of the gate, a bracket securing the bar to the fixed post, a horizontal spring-urged latch arm pivoted on the bar and projecting toward the gate post, and a post-receiving cradle on the arm projecting between the posts and facing in the direction of the hinged edge of the gate to rest about the gate post on the side thereof nearest the fixed post when the gate is moved to a closed position; the posts being spaced apart sufficient to allow of swinging movement of the latch arm to a gate-post clearing position.

2,626,172

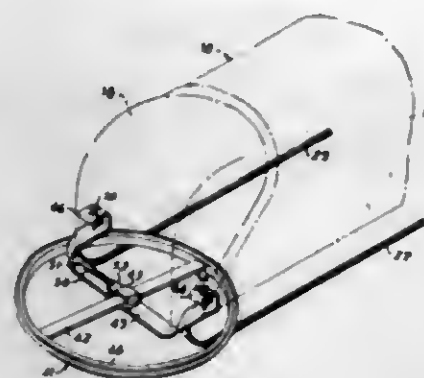
BAGGAGE LATCH

Robert E. Herrick, Chicago, Ill.
 Application March 28, 1950, Serial No. 152,346
 4 Claims. (Cl. 292—247)



4. A fastening device of the class set forth including aligned base plates designed to be secured to the parts to be fastened together, a catch carried by one of said plates, a lever pivotally attached to the other of said plates, a hasp pivotally mounted upon said lever and adapted to engage said catch to lock said plates together, and a housing on said other plate for receiving and retaining said hasp against pivotal movement when the device is in unlocked position.

2,626,173
BUMPER FOR TANK TYPE VACUUM CLEANERS
 Van Wyke H. Helton, Concord, N. C.
 Application October 14, 1949, Serial No. 121,401
 1 Claim. (Cl. 293-19)



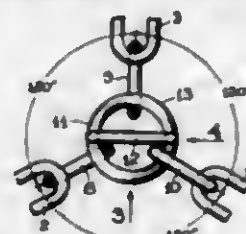
A bumper for a body portion having runners on each side thereof provided with upturned front ends, a transverse bar secured to and disposed between the front ends of said runners, an annular member of greater diameter than the distance between the front ends of the runner and encircling the front ends of said runners and having a resilient member extending around the outer periphery thereof, said annular member having a cross bar integral therewith and oscillatably mounted at its central portion on said transverse bar, an arm extending horizontally from the medial portion of said transverse bar, a spring connected to said arm and to said transverse bar for normally holding the annular member in a given position whereby, the resilient member on the annular member will engage any objects in the path of travel of the body portion causing the annular member to rotate a partial revolution and causing the body portion to veer to one side and to pass by the object disposed in its path.

2,626,174
DETACHABLE HANDLE FOR CONTAINERS
 Robert S. Barber, New London, Conn.
 Application November 15, 1949, Serial No. 127,353
 3 Claims. (Cl. 294-27)



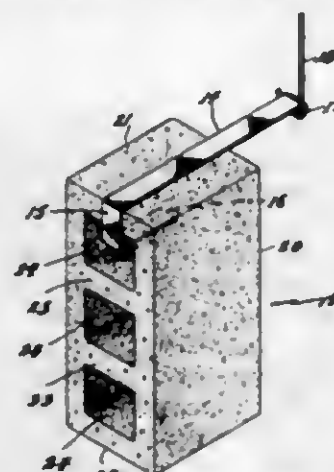
1. The combination with a container body, of a removable resilient body engaging clip having a bent out portion, and a depending handle swung from said bent out portion, said handle terminating in an offset upper end portion, the upper extremity of the offset upper end portion engaging the top of said bent out portion, said upper extremity being normally adjacent to but out of contact with said body, the handle portion paralleling the body longitudinally when not in use, said offset upper end portion contacting the body and the bottom edge of said bent out portion when in use.

2,626,175
LOAD SUSPENSION LINK
 Frank W. Jessop, Cleveland, Ohio
 Application March 15, 1948, Serial No. 14,841
 8 Claims. (Cl. 294-78)



1. A carrier link for connection with the three chains of a three chain load-suspension, and for engagement by a crane hook or like load lifting means, comprising a closed link element having three chain connection portions in a common plane, symmetrically disposed about a common axis at right angles to the plane; and a generally U-shaped loop element for lifting means engagement bridging opposite portions of the link element and having a re-entrant portion in the said axis.

2,626,176
HOISTING AND LIFTING DEVICE
 Henry L. Braun, Albany, N. Y.
 Application May 12, 1950, Serial No. 161,651
 1 Claim. (Cl. 294-82)



A device of the character described, for use in hoisting cored building blocks to elevated positions on scaffolds and other places on buildings undergoing construction, comprising a single, elongated piece of metal bar stock, said bar being transversely bent at an intermediate portion angularly to provide an elongated hoisting handle portion and an L-shaped hoisting hook portion; the base of said L-shaped hoisting hook portion connecting said handle portion integrally at one end and connecting the leg of said L-shaped hook portion integrally at its other end; said leg being shorter than said handle portion and being so constructed and arranged in spaced relation with respect to said handle that the entire device will pass through the cored opening of such a block and to grip the transverse portions therein as well as to grip the outer walls thereof to hoist the block into position; the free end of said hoisting handle being bent upon itself to provide an eye for the reception of a hoisting line; said hoisting handle being equivalent in length to the combined length of the leg of the L-shaped hook portion and the depth of such a block, in order that the same can be gripped at the eye portion by the hand of a user, inserted through the core of a block and retraced to grip a wall or partition thereof without said hand striking the rough, sharp surfaces of the block; and a hoisting line attached to said eye.

2,626,177
TOOL FOR HYDRAULICALLY DISPLACING WELL MATERIALS
 Wilber A. Maxwell, Houston, Tex., and John A. Engstrand, Los Angeles, Calif., assignors to Grant Oil Tool Company, Los Angeles, Calif., a corporation of California
 Application May 5, 1947, Serial No. 746,038
 5 Claims. (Cl. 294-86)

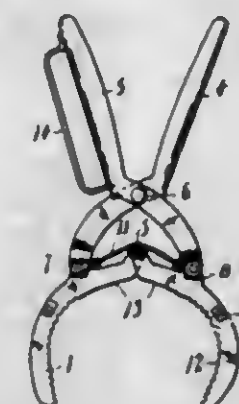


1. Apparatus for displacing material at a location in a well containing a hydrostatic column, that includes a vertically extending continuous tubular pipe string lowered in the well to said location and comprising upper and lower sections, said lower section communicating with the well liquid at said location and containing a body of liquid extending upwardly high above said location, a closure in the pipe string at a remote position above said location and initially closing a lower inlet end of said upper section against entry of the well liquid from said lower section, said inlet when opened being communicable with said location through said lower section of the pipe string, the pressure of the column liquid tending to enter said upper section being reduced by said liquid in the lower section to a value exceeding the pressure inside the upper section by an amount substantially less than the hydrostatic column pressure at the depth of said location, said pipe string including a joint interconnecting said sections for relative vertical movement, a member movable relative to one of said sections in response to relative vertical movement of the sections, said member being positioned to upon said movement act against and open said closure to thereby create a surge of liquid upwardly through said lower section from said location, said lower section comprising a large number of pipe stands connected in an end to end series and extending downwardly beneath the upper section inlet and beneath said last mentioned member toward said location, and a tool carried at said location by a bottom one of said stands for receiving well material displaced by the surge.

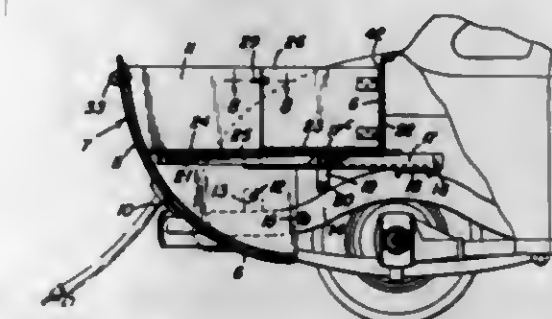
2,626,178
TOOL FOR GRIPPING FISH AND OTHER OBJECTS
 John J. Campbell, Toronto, Ontario, Canada
 Application August 9, 1950, Serial No. 178,444
 1 Claim. (Cl. 294-117)

A gripping tool for the purpose set forth comprising a pair of gripping jaws pivoted together at one end and having opposed arc-shaped grip-

ping surfaces, each jaw comprising a pair of plates and means remote from the free ends of the jaws for holding the plates in spaced relationship, the plates of one jaw being arranged in different planes than those of the other jaw to permit their free ends to pass one another in overlapping relationship, the gripping edges of said plates being serrated; a pair of crossed levers pivotally connected intermediate their ends, said



2,626,179
CONVERTIBLE TRUCK AND TRUNK COMPARTMENT FOR AUTOMOBILES
 Fermin Cabrera Gonzalez, Tampa, Fla.
 Application December 2, 1949, Serial No. 130,805
 3 Claims. (Cl. 296-28)

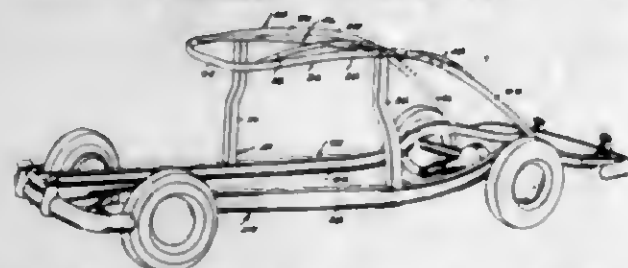


1. A trunk compartment for an automobile comprising a front wall, a fixed floor section extending rearwardly from said front wall, a longitudinally curvilinear door for closing the compartment having sides for the compartment attached thereto, said sides being pivoted to said automobile below said floor section for vertical swinging to swing said door into open position and space said sides rearwardly from said front wall, said door when in open position extending above and below the level of said floor section, supplemental side sections for the compartment hinged to said front wall for swinging horizontally thereon to bridge the space between said sides and said front wall when said door is in open position, a supplemental floor section hinged to said fixed floor section for swinging into alignment therewith to bridge the space between said fixed floor section and said door when said door is in open position, and means to support said supplemental floor section in alignment with said fixed floor section.

2,626,180

AUTOMOTIVE VEHICLE BODY CONSTRUCTION

Jackie L. Thompson, Union, W. Va.
Application July 8, 1950, Serial No. 172,029
2 Claims. (Cl. 296—28)

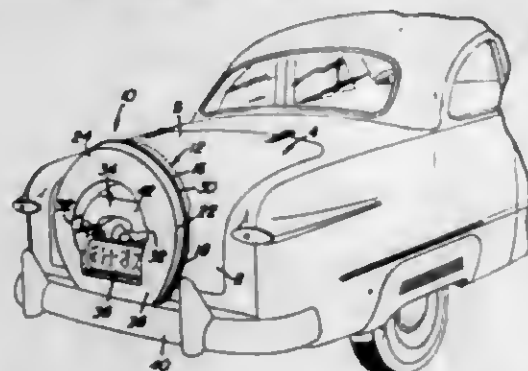


1. In an automotive vehicle body having a wheel mounted chassis and transversely aligned doors on opposite sides of the body, a body frame including transversely aligned posts mounted vertically on opposite sides of the chassis rearwardly of the doors, and an integral U-shaped beam secured to the upper ends of said posts and having the bight and a portion of the legs horizontally disposed in spaced relation above and transversely overlying the chassis forwardly of the center thereof, said bight and horizontal portions of said legs being unsupported forwardly of said posts, the free ends of the legs being inclined downwardly rearwardly of said posts and secured at opposite sides of the rearward end of the chassis.

2,626,181

TRUNK LID AND ORNAMENTAL ATTACHMENT THEREFOR

Frank N. Renaud, Jr., Detroit, and Stephen J. Paxton, Hazel Park, Mich.
Application May 1, 1950, Serial No. 159,292
3 Claims. (Cl. 296—37.2)

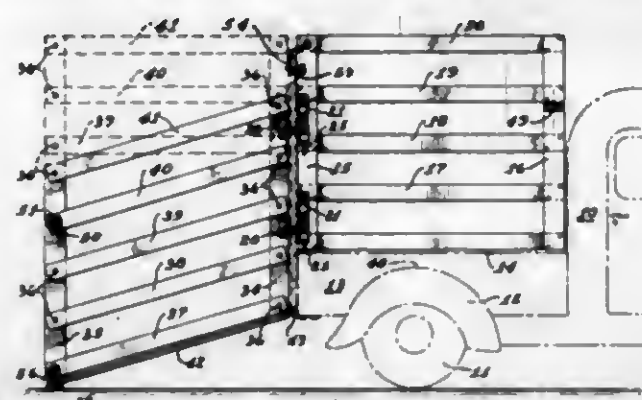


1. In combination, an automobile rear trunk lid having a horizontal forward end and median portion, the rear end of said median portion curving downwardly and gradually merging with a vertical rear end apron portion, and a vertically disposed complementary unit comprising a central body portion conformable to and superimposed on and permanently affixed to and reinforcing said apron portion, and an integrated constantly hollow light weight endless rim portion circumscribing the perimeter edges of the body portion and cooperating with the latter in providing a purely ornamental artificial spare tire carrier, said rim portion being permanently closed, the cross-section of the entire rim portion being greater than the cross-section of said body portion, the upper half of said rim portion being generally circular in cross-section and the top part thereof projecting to a plane above the plane of the forward end and median portions of said lid, and the lower half of said rim portion being generally rectangular in cross-section and the bottom part thereof extending to a plane below the lower edge of said apron portion and being of a cross-section less than the cross-section of said upper half.

2,626,182

STOCK CHUTE AND ENDGATE

Harry G. Troth and Faye G. Dammann,
Phoenix, Ariz.
Application February 3, 1951, Serial No. 209,232
8 Claims. (Cl. 296—61)

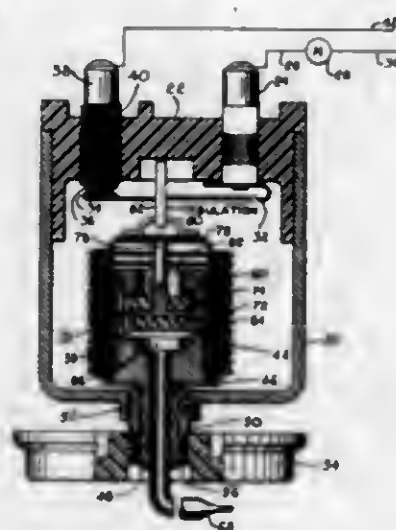


1. In combination with a truck body having a floor, and upright side members on each side of said floor, a tail gate pivotally mounted for swinging movement about a horizontal axis on the rear edge of said floor, and side frame members to form a chute with said tail gate when lowered including hinge means for pivotally mounting said side frame members for swinging movement about a vertical axis on the rear of said truck body, said hinge means including a lower ring member, a ring member above said lower ring member having a vertically disposed slot for holding said side frame members in upper raised position above the fenders and side boards of the truck body and to automatically lower said side frame members when swung rearwardly over the edges of said lowered tail gate.

2,626,183

SNAP-ACTING FLUID MOTOR

James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 23, 1951, Serial No. 233,181
7 Claims. (Cl. 297—8)



1. In combination, a fluid motor means, a first valve seat and valve seat opening connecting with the interior of said fluid motor means, a second valve seat and valve seat opening adapted to be connected to a fluctuating absolute pressure, and a valve means operably connected to said fluid motor means for making sealing engagement with said first valve seat in one direction of movement and for making sealing engagement with said second valve seat in the opposite direction of movement.

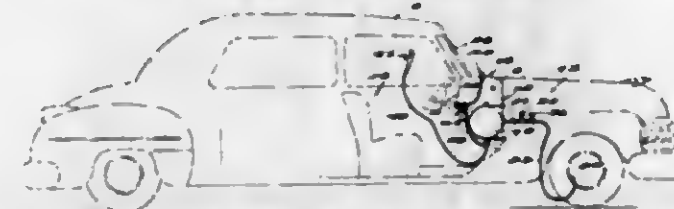
3. In combination, a fluid motor means, a first valve seat and valve seat opening connecting with

the interior of said fluid motor means, a second valve seat and valve seat opening, means forming a valve chamber connecting said first valve seat and valve seat opening with said second valve seat and valve seat opening, a fluid connection connected to the opposite side of said second valve seat and valve seat opening from said valve chamber, a valve means having two valve surfaces located in said valve chamber adapted to move alternately into sealing engagement with either the first or second valve seat, and an operative connection between said fluid motor means and said valve means for moving said valve means into contact with said first seat upon expansion of the fluid motor means and for moving said valve means into contact with said second seat upon contraction of the fluid motor means, said fluid connection being in the form of a sealed tubular member containing a means to change the pressure therein in accordance with temperature.

2,626,184

AUXILIARY AIR AND WATER SUPPLY FOR AUTOMOBILES

Oscar D. Caldwell, Oklahoma City, Okla.
Application July 10, 1950, Serial No. 172,905
4 Claims. (Cl. 299—58)



1. In a compressed air and water supply device for an automobile, a closed tank for compressed air and water, means for limiting water in the tank to a predetermined level below the top of the tank and locating the compressed air above the water in the tank, a first conduit leading from said tank at a level above the water level therein comprising a tire inflating hose, valve means for controlling flow of compressed air from said tank through said tire inflating hose, a combined fitting connected in said first conduit at a point between said tank and said valve means, said combined fitting comprising a water filling neck, a filling cap on said neck, said cap being removable to enable replenishing the water in said tank through said neck, a normally closed compressed air admitting valve on said cap enabling replenishing the compressed air in the tank at a level above the water therein, and a normally closed drain valve on a lower part of said combined fitting, said drain valve being adapted to be opened to limit the water in the tank to the predetermined level, a second conduit connected to said tank below the water level, in which water from the tank is under pressure from the compressed air in the tank, and valved water utilization means connected to said conduit.

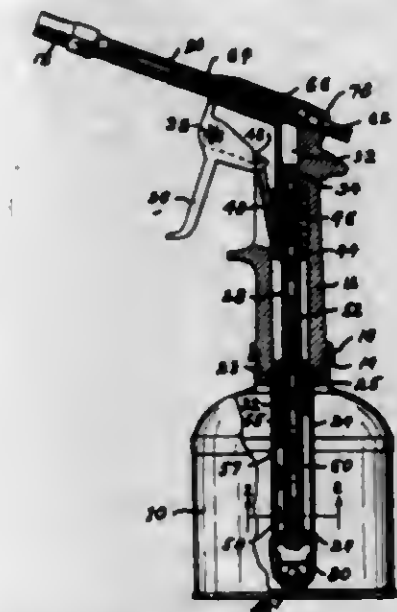
2,626,185

FLUID STREAM AND SPRAY GUN HAVING A CLEAN OUT PIN

Harold A. Roselund, Dayton, Ohio, assignor to C. W. Harwin Inc., Dayton, Ohio, a corporation of Ohio
Application September 23, 1949, Serial No. 117,481
9 Claims. (Cl. 299—59)

1. A device for use in dispensing liquids comprising in combination, a tube, a nozzle mounted on one end of said tube and consisting of a head having a central orifice, a fluid flow control insert threaded within said nozzle for controlling

the discharge of fluid through said nozzle upon reciprocation of said insert, a rod disposed within said tube having one end thereof arranged in free sliding relationship to said insert, a clean-out pin carried by the one end of said rod

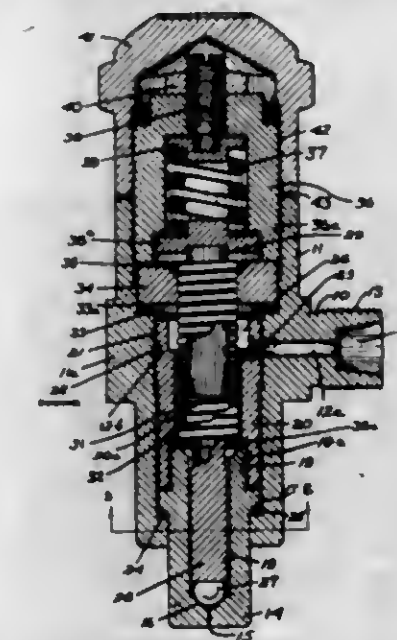


adapted for movement into said orifice for cleaning the same, and complementary means formed on said rod and said insert for transmitting rotary movement to said insert upon rotation of said rod.

2,626,186

INJECTOR NOZZLE

Theodore H. Nakken, New York, N. Y., assignor to Nakken Products and Development Co. Inc., a corporation of Delaware
Application August 26, 1948, Serial No. 46,349
8 Claims. (Cl. 299—107.6)



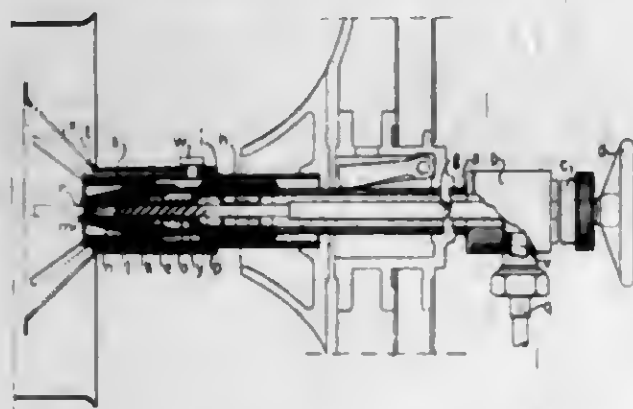
1. In an injector nozzle for internal combustion engines, a body member, a stepped interior bore formed in said body with a shoulder therebetween, the portion of said bore of smaller diameter forming a fuel chamber, the other portion of said bore having its interior threaded, a passage in said body communicating with and terminating in a seat in said chamber, a valve stem carrying a valve member on one end thereof adapted to engage said seat, a boss on said body member having a fuel passage formed therein and adapted to be connected to a source of fuel under pressure, bellows-engaging means formed on said stem, a helical metallic bellows having one end engaging said bellows-engaging means

and secured in fluid-tight relation to said stem, an annular member positioned on said shoulder with sealing means therebetween, another bellows-engaging means formed in the interior bore of said annular member, the other end of said bellows being engaged thereby and secured thereto to form a fluid-tight closure for said chamber, a cylindrical body threadedly engaging the threads formed in said body and forcing said annular member and the gasket against said shoulder, spring means in the interior of said cylindrical body for urging said valve member into fluid-tight engagement with said seat, a stepped interior bore in said cylindrical body having one portion containing said spring means and another portion of larger interior diameter, and a disc member positioned in said last portion and guided by the wall thereof, said disc member having said spring means in contact with its upper surface and having a counterbored hole extending into it from the lower surface thereof to receive the upper end of said valve stem for guiding and steadying the same.

2,626,187

PRESSURE SPRAY OIL BURNER

Günter Heinrich Toftmann, Bremen, Germany
Application October 19, 1950, Serial No. 190,921
In Germany October 1, 1948
4 Claims. (Cl. 299—118)



1. A spray oil burner comprising a burner nozzle having an oil outlet orifice, a needle valve arranged in front of the orifice, said valve including an adjustable needle and an expansible sleeve provided in the nozzle and forming the nozzle oil outlet orifice, a coaxial expander member extending into the expansible sleeve and provided with a restoring spring, and means for adjusting the expander member to automatically vary the expansible valve opening so that with increasing oil pressure the expander member further expands the expansible sleeve and thus the oil outlet opening between the sleeve and the needle will be adjusted.

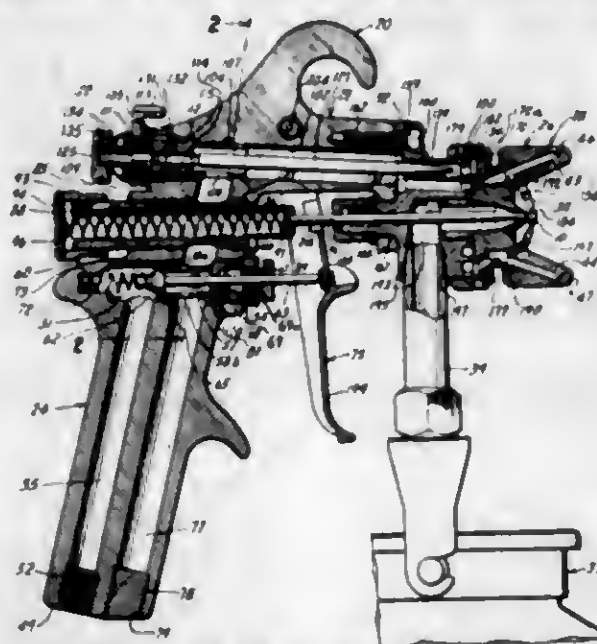
2,626,188

SPRAY GUN

William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Original application March 14, 1947, Serial No. 734,819. Divided and this application February 17, 1949, Serial No. 76,873
4 Claims. (Cl. 299—149)

1. A spray gun comprising the combination of a handle having an air passage therethrough, a body extending from one end of said handle and having an air passage therethrough in communication with the air passage in said handle, a nozzle head attached to one end portion of said

body and adapted to discharge air from the air passage in said body, means for controlling the flow of air through said nozzle head, said means including a valve member rotatably mounted in the passageway in said body and a needle valve in the last mentioned passageway and in threaded engagement with said valve member, said valve member being operable upon rotation thereof to open and close the passageway in said body, a valve seat mounted on said body member in alignment with said needle valve, said needle valve being movable into and out of operative engagement with said valve seat upon longitudi-

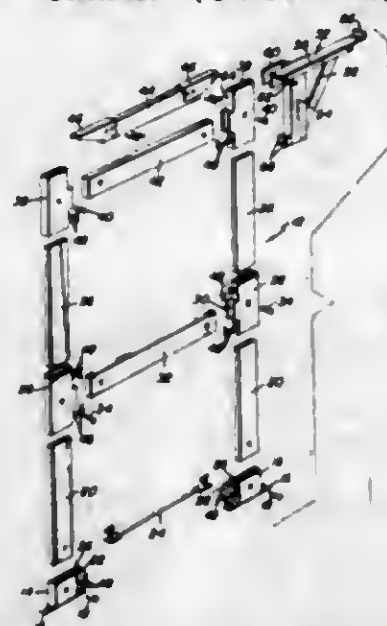


dinal movement of said needle valve within the passageway in said body to vary the flow of air through said nozzle head, an adjusting member rotatably mounted in said valve member in substantially fixed endwise position and in operable engagement with said needle valve, said adjusting member being operable upon rotation thereof relative to said valve member to rotate said needle valve and thereby move said needle valve longitudinally in the passageway in said body, and means projecting from said valve member exteriorly of said body for rotating said valve member to thereby open and close the air passage in said body.

2,626,189

SCAFFOLD STRUCTURE

Edward Brown, Memphis, Tenn.
Application January 26, 1950, Serial No. 140,656
2 Claims. (Cl. 304—32)



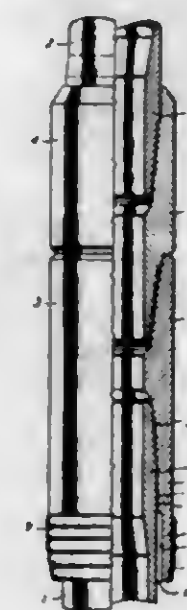
2. In a scaffold structure, a supporting frame comprising a pair of spaced uprights, a pair of

sockets having the upper ends of the uprights fitted in the lower ends thereof, said sockets having opposing aligned openings intermediate their ends, a cross piece extending between said sockets and having its ends extending through said openings and abutting the inner walls of said sockets remote from said openings, the upper ends of said uprights abutting the lower side edges of said cross piece, a transverse head member resting on said cross piece and having its ends terminating adjacent said sockets, a pair of inverted channel extension plates extending from opposite ends of said head member, said extension plates overlying and partially embracing the upper ends of said sockets to prevent movement of said head member with respect to said sockets.

2,626,190

TOOL JOINT

Elvin G. Bolce, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application November 4, 1949, Serial No. 125,444
6 Claims. (Cl. 308—4)



1. The combination of a pipe and a tool joint member, said pipe having external threads and an external land adjacent said threads, and said member having internal threads and a shrink grip section to engage the threads and the land of said pipe, respectively, an annular skirt extending from said shrink grip section about and spaced from said pipe, and hard metal welded on the outer surface of said skirt.

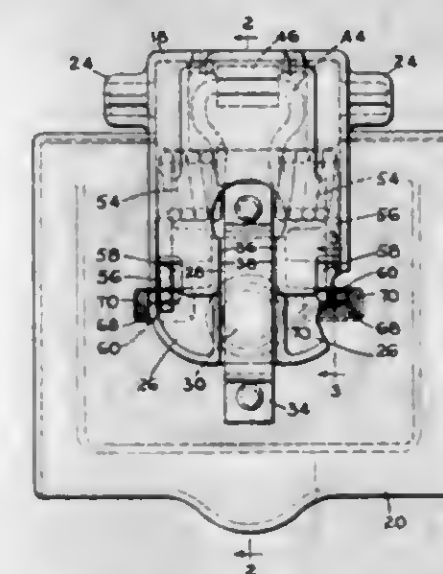
2,626,191

JOURNAL BOX LID

Albert O. Buckius, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 11, 1949, Serial No. 80,925
7 Claims. (Cl. 308—47)

1. In a lid for closing the front opening of a railway journal box, said lid comprising a closure member and a hood member flexibly connected together by means of a ball and socket joint to enable universal movement of said closure member with respect to said hood member, inwardly extending projections on said hood member spaced laterally from said joint, and abutment means on said closure member normally spaced from said projections, said projections having plane top surfaces extending substantially at right angles to the plane of said closure member

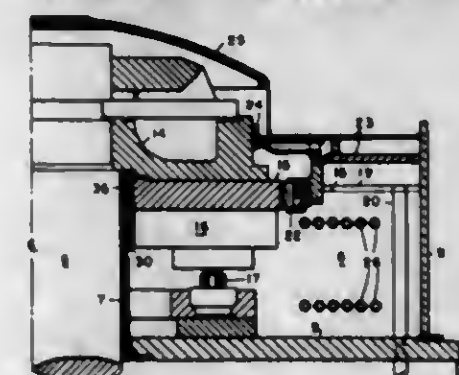
and being adapted for engagement with said means to limit angling of said closure member



relative to said hood member in the plane of said closure member.

2,626,192

OIL-POT FOR VERTICAL-SHAFT MACHINES
René A. Baudry and Garfield E. Peterson, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1950, Serial No. 171,212
2 Claims. (Cl. 308—134.1)

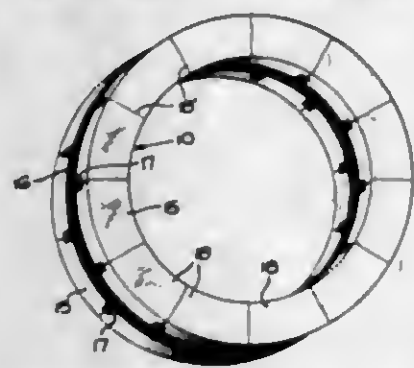


1. A bearing-assembly for a vertical-shaft machine, comprising a stationarily mounted oil-pot including an inner standpipe surrounding the shaft in spaced relation to the shaft, a bearing-runner, means for mounting the top part of said runner so that it is carried by the shaft and rotates therewith, the lower part of said runner being below the normal oil-level in the oil-pot, and a bearing cooperating with said runner, characterized by a spaced stationary sealing-ring carried by said oil-pot between the outer diameter of said standpipe and the lower portion of the inner diameter of said runner, below the normal oil-level in the oil-pot, means for providing relatively free oil-communication from the main body of oil in said oil-pot to the inner diameter of said ring at the bottom of said ring, and thence over the top of said ring, means for providing an oil-impeding restricted-passage sealing-means for substantially impeding the downward flow of oil in the space between the outer diameter of the standpipe and an intermediate portion of the inner diameter of the runner, below the normal oil-level in said oil-pot and above the top of said ring, and means for providing an oil-impeding restricted-passage sealing-means for substantially impeding the downward flow of oil in the space between the outer diameter of the ring and the lower portion of the inner diameter of the runner.

2,626,193

FRANGIBLE PISTON RING

Edgar W. Patterson, Downey, Calif.
Application June 27, 1949, Serial No. 101,618
10 Claims. (Cl. 309-29)

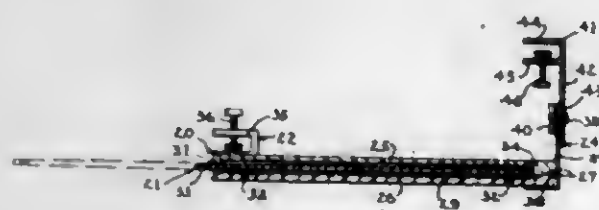


1. A laminated piston ring comprising a pair of metallic annuli, and an intermediate bonding layer formed of flexible material and designed to hold said annuli together, the opposing faces of said annuli being formed with radially extending grooves which receive the bonding material, and the annuli being separated into circumferential segments, said lines of separation extending longitudinally of the radial grooves.

2,626,194

RETRACTILE TRAY FOR AUTOMOBILE INSTRUMENT PANELS

Patrick A. Clower, Alice, Tex.
Application November 3, 1950, Serial No. 193,994
2 Claims. (Cl. 311-21)



1. In a retractile tray for an automobile instrument panel, a flat rectangular hollow housing having a rectangular cavity therein opening through one end of the housing, a first transverse flange at the open end of said cavity, a tray plate slidably engaged in said cavity and having an end extending through the opening in the said one end of the housing, a second transverse flange on said end of the tray plate and projecting from a side of the tray plate, said second flange being arranged to engage said first flange to limit withdrawal of the tray plate through the open end of the housing, roller means on a wall of said housing and supportably engaging the side of said tray plate remote from said second flange.

2,626,195

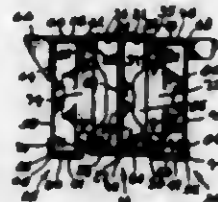
METAL EXTENSION SLIDE STRUCTURE

Frederick B. Walter, Wabash, Ind., assignor to B. Walter & Company, Wabash, Ind., a corporation of Indiana

Application July 25, 1949, Serial No. 106,522
2 Claims. (Cl. 311-71)

1. Metal slide structure including a first rail comprising a web, flanges projecting in a com-

mon direction from the lateral edges of said web, lips projecting toward each other from the extremities of said flanges substantially in a common plane parallel with said web and spaced therefrom in said one direction, other flanges projecting in the opposite direction from the lateral edges of said web, and other lips projecting toward each other from the extremities of said other flanges substantially in a common plane parallel with said web and spaced therefrom in said opposite direction, a second rail comprising a web, flanges projecting in a common direction from the lateral edges of said second rail web, and lips projecting toward each other from the extremities of said second rail flanges, two shoes, each straddling said first-named lips and said lips of said second rail for longitudinal movement relative to both rails, stop means on both rails positioned in the paths of said shoes to limit such movement, a third rail comprising a web, flanges projecting in a common direction from the lateral edges of said third rail web, and lips projecting toward each

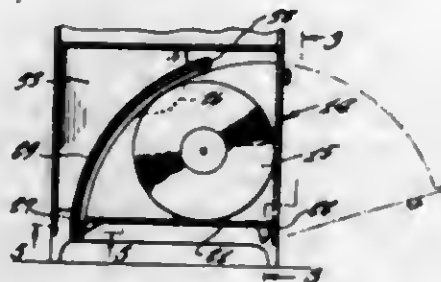


other from the extremities of said third rail flanges, two further shoes, each straddling said other lips and said lips of said third rail for longitudinal movement relative to said first rail and said third rail, stop means on said first rail and on said third rail positioned in the paths of said further shoes to limit such movement, said first rail comprising a sheet metal channel having a web and lateral flanges and a second sheet metal channel having a web and lateral flanges, said channels being arranged with their webs in abutment and with their flanges projecting oppositely from the plane of abutment of such webs, a third sheet metal channel arranged with its web abutting one flange of each of said first and second channels and with its flanges overlying the free edges of said flanges of said first and second channels, and a fourth sheet metal channel arranged with its web abutting the other flange of each of said first and second channels and with its flanges overlying the free edges of said last-named flanges of said first and second channels.

2,626,196

PHONOGRAPH RECORD CABINET CONSTRUCTION

Augustus Caesar Sides, New York, N. Y.
Application February 10, 1951, Serial No. 210,316
1 Claim. (Cl. 312-14)



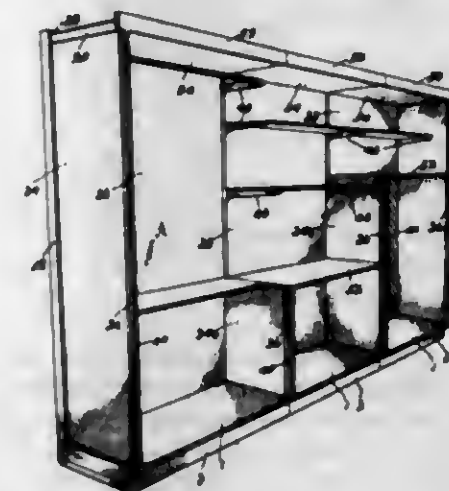
A phonograph record cabinet structure comprising a cabinet with side frame pieces, a pivot

2,626,198

STORE WALL FURNITURE

Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan

Original application October 18, 1948, Serial No. 55,138, now Patent No. 2,580,334, dated December 25, 1951. Divided and this application December 27, 1949, Serial No. 135,149
4 Claims. (Cl. 312-108)



rod extending between the said side frame pieces, a plurality of sections adapted to contain records, disposed in the said cabinet in side-by-side arrangement, each of the said sections having in its closed position within the said cabinet a vertical front wall and a horizontal bottom wall, a bracket disposed adjacent the lower end of the said front wall and the front end of the said bottom wall of each section for pivot connection with the said pivot rod, a second bracket being disposed adjacent the rear end of the said horizontal wall of the said section, the said second bracket carrying guide rollers, a plurality of brackets disposed in the rear portion of the said cabinet, a plurality of arcuate-shaped guide rails carried by the said last-mentioned brackets and disposed oppositely the said guide rollers of the respective sections, the said guide rollers moving along the said guide rails upon turning the said section upon the pivot rod from closed into open position for removal of a record, abutment portions on the respective ends of the said guide rail for limiting the opening and closing movement, respectively, of each of the said sections, and the said pivot rod supporting each of the said sections in closed as well as open position.

2,626,197

PHOTOGRAPHIC SLIDE EJECTOR-RECEPTACLE

George J. Kollock, Atlanta, Ga.
Application August 31, 1950, Serial No. 182,456
3 Claims. (Cl. 312-55)



1. In a device of the class described, a pair of side walls and a back wall connected together to form a channel shaped structure open at its top, a cross frame member extending from side to side between said side walls and arranged to divide said structure into upper and lower compartments, flanges projecting inwardly from said walls so as to partially close the front of said upper compartment, said flanges having ends positioned above said cross frame member, an open front container removably positioned in said upper compartment, said container engaging the side walls of said structure with a snug sliding fit, the open front of said container being adjacent to and accessible between said flanges on said side walls, said container having shoulders turned inwardly to support a stack of slides in said container, said container also having a supporting flange extending beneath said slides and terminating short of said shoulders to form a through slot between said supporting flange and each of said shoulders, slots in said cross frame member aligned respectively with each said through slot, a lever pivotally supported in said lower compartment, a traveling beam slidably mounted beneath said cross frame member and carrying fingers projecting respectively through each said through slot to bear against an edge of the bottom member of said stack of slides to eject said slides one at a time, driving guides depending from said beam, said lever having an end extending between said guides for camming action therewith to move said beam forward when said pivoted lever is depressed, and spring means connected to bias said lever to re-set it.

3. In store furniture, a plurality of bases adapted to be located in longitudinal alignment, each having a horizontal rectangular top and each having a front rail secured to and located underneath the top, said front rail at each end extending beyond the adjacent ends of its associated top, whereby successive bases have adjacent ends of their tops spaced from each other and adjacent ends of front rails abutting each other, means for releasably securing aligned bases at their adjacent ends together, a bottom bar located in the space between adjacent ends of said bases, extending from the front to the rear edges of successive tops of aligned bases, means for securing said bar in such space to said front end rails and to the bases back of the front rail, a vertical post secured at the rear end of each bottom bar, and an upper horizontal bar permanently secured to the post adjacent its upper end extending forwardly therefrom.

2,626,199

TOOTHBRUSH HOLDER

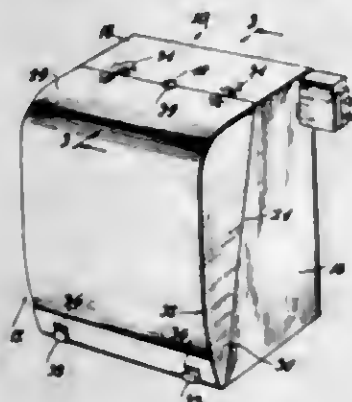
Norman W. Knowles, Guilford, Conn.
Application October 20, 1948, Serial No. 55,451
1 Claim. (Cl. 312-207)



In a toothbrush holder, a tubular housing for a toothbrush and having an open end for the insertion of a toothbrush, the wall of said housing having an inwardly deformed portion extending directly chordally across the inside of said housing and forming a channel for pin means, and open to the outside of said housing, said channel being characterized by an opening converging at the mouth thereof, whereby said deformed wall will serve as a support for a toothbrush in said housing, and pin means housed in said channel for supporting said housing from a wall.

2,626,200

DISPENSING-TYPE BARREL ENCLOSURE
 Arthur Herbert Patch, Glen Ridge, N. J., assignor
 to Novadel-Agene Corporation, Belleville, N. J.,
 a corporation of Delaware
 Application May 4, 1949, Serial No. 91,273
 2 Claims. (Cl. 312-214)

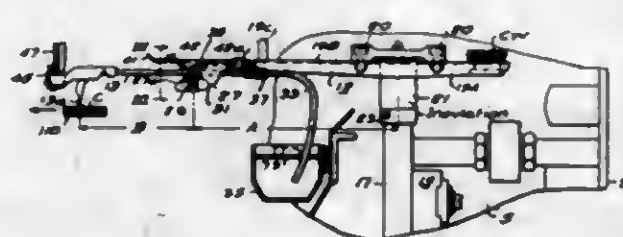


1. A dispensing box for removably receiving a refrigerated barrel, comprising a completely thermally insulated, upright box structure adapted to enclose a barrel completely, said structure including a body portion having a top part, side wall portions, a rear wall and a base part having skids adapted to receive a barrel in upright position, with the barrel seated on said skids and without substantial elevation of the bottom of the barrel from a floor upon which the box structure may be located, said body portion having its base part extending from the bottom of said rear wall to the front of said box and having its side wall parts shaped to be coextensive with said base part at their lower edges, said body portion being open along a parting plane which includes the front edge of said base part and extends upwardly and rearwardly therefrom making an acute angle with the vertical, the top of said body portion extending from the top of said rear wall to said plane, and a removable unitary cover portion having a front wall, side wall parts and a top part, said cover portion being shaped to have a single lower edge at the bottom of its front wall, said cover portion further being open along a parting plane which extends upwardly and rearwardly from said lower edge, said cover portion, at its parting plane, conforming with

the body portion, and being thereby adapted to be placed laterally against the opening of the body portion to close the box, means including separable hook and latching means for securing said body and cover portions in sealed relation to each other, and means extending into the box for cooling an enclosed barrel, said body and cover portions being cooperatively shaped to enclose a barrel with said barrel disposed in accessible relation upon removal of the cover portion, and said body portion being open over its entire vertical extent, to the bottom, when the cover portion is removed.

2,626,201

RECORDING INSTRUMENT PEN MECHANISM
 Douglass A. Young, East Orange, Lawrence J. Lunas, Cedar Grove, and Joseph C. Nycz, Towaco, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
 Application May 28, 1947, Serial No. 750,936
 14 Claims. (Cl. 346-140)



1. In a device for producing a record on a surface, a marking unit, a supporting structure for supporting a record element to receive a mark from the marking unit, an ink reservoir supported by the supporting structure for supplying ink to the marking unit, means mounting the marking unit for pivotal movement relative to the supporting structure and relative to the inkwell across the surface of a record element supported by the structure, said marking unit having a weight distribution developing a centrifugal force which urges the marking unit towards a record element supported by the structure in response to said pivotal movement of the marking unit, said centrifugal force bearing a predetermined relation to said pivotal movement.

CHEMICAL

2,626,202

DYEING OF MIXED WOOL-CELLULOSE ACETATE TEXTILE MATERIALS
 George C. Ward, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
 No Drawing. Application January 26, 1951, Serial No. 208,059
 3 Claims. (Cl. 8-19)

1. In the process for the dyeing of textile materials containing organic derivative of cellulose fibers in admixture with wool fibers, the steps which comprise treating said textile materials with a bath containing a dyestuff which has an affinity for and will dye the organic derivative of cellulose fibers, then treating said textile materials for a period of between about 10 and 60 minutes with a bath maintained at between about 25 and 60° C. and containing from about 0.5 to 4% by weight of a titanous salt to remove at least a portion of the stain from the wool fibers, and

thereafter treating said textile materials with a dyebath containing a dyestuff which will dye the wool fibers.

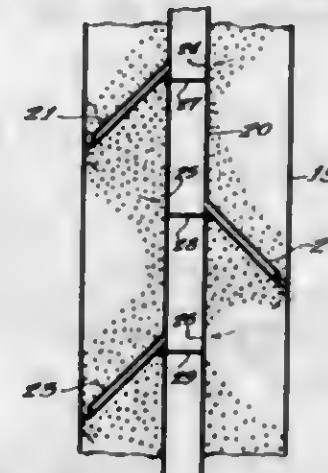
2,626,203

METHOD OF MAKING ZIRCONIUM TETRACHLORIDE
 Warren B. Blumenthal, Niagara Falls, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
 No Drawing. Application March 4, 1952, Serial No. 274,835
 8 Claims. (Cl. 23-87)

1. The method of making zirconium tetrachloride which comprises heating a mixture of zirconium tetrafluoride and magnesium chloride to vaporize zirconium tetrachloride therefrom, and condensing the vapors thus formed to recover solid zirconium tetrachloride.

2,626,204

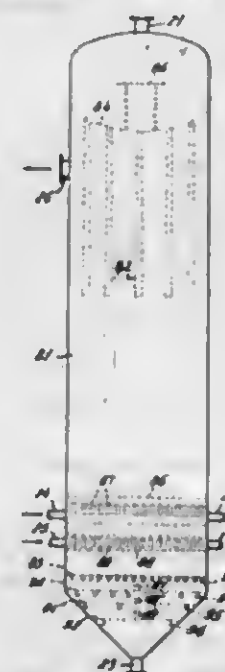
APPARATUS FOR CONDUCTING CATALYTIC ENDOTHERMIC AND EXOTHERMIC REACTIONS
 Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
 Application January 29, 1949, Serial No. 73,633
 3 Claims. (Cl. 23-288)



1. Apparatus for carrying out catalytic reactions which comprises a substantially vertical tubular catalyst container, a smaller tube concentrically disposed within the container along the axis thereof, said inner tube being divided into a plurality of separate compartments by a series of impervious partitions which extend across the entire cross sectional area of the tube at spaced intervals, each compartment of said inner tube having at least one opening adjacent one end of said compartment which is in direct and open communication with the area immediately surrounding said inner tube, and each compartment of said inner tube further having at the opposite end thereof at least one radially disposed hollow element extending outwardly toward the catalyst container wall, said hollow element providing an open passageway between the interior of the compartment and a point adjacent the wall of the catalyst container.

2,626,205

GRAVITY BED REACTOR
 Kenneth M. Watson, Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
 Application November 16, 1945, Serial No. 629,091
 1 Claim. (Cl. 23-288)

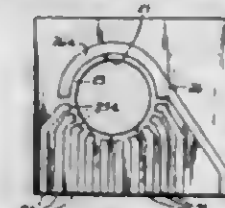


In a vessel of the character described for contacting a downwardly moving bed of granular

type catalyst with aeriform fluids, a granular catalyst distributing plate horizontally mounted in the upper end of said vessel, spaced granular catalyst downcomer pipes depending from said plate, said pipes being tapered outwardly from top to bottom to provide flared flow conduits of increasing size capable of insuring uninterrupted granular catalyst flow without clogging, a series of granular catalyst collecting baffles mounted at spaced intervals at the lower end of said vessel, each of said baffles having spaced downcomer pipes depending therefrom and tapered outwardly from top to bottom to insure uninterrupted granular catalyst flow without clogging, a series of vertically spaced horizontally disposed gas ducts mediate the distributing plate and the uppermost catalyst collecting baffle, each of said gas ducts having holes along its length, a series of closely spaced horizontally extending inverted troughs mounted along the length of each of said gas ducts transversely thereof, said inverted troughs each having a top wall and opposed depending flat side walls, said top wall extending upwardly from the upper edges of said side walls to a degree such that the angle of inclination of the top wall measured from the horizontal is no greater than the angle of repose of the granular catalyst similarly measured to avoid catalyst bridging between adjacent trough top walls, the inclination of the top walls preventing significant accumulation of stagnant catalyst, said side walls of each trough having their lower ends closer to each other than their upper ends to define vertical channels between adjacent troughs having a progressively increasing width from top to bottom to avoid catalyst bridging between adjacent trough side walls.

2,626,206

METHOD OF MAKING CIRCUIT PANELS
 Edward Adler, New York, and Anthony Chiesa, Flushing, N. Y., assignors to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
 Application September 10, 1951, Serial No. 245,872
 11 Claims. (Cl. 41-42)



1. The method of forming an electric circuit carrying panel which comprises applying conductive sheet material to at least one surface of a semi-cured deformable panel of thermo-setting dielectric material, removing portions of said sheet material to form a predetermined circuit pattern including individual conductors, imbedding the circuit components into flush relation with the dielectric surface, and hardening and curing the panel.

2,626,207

FUEL OIL COMPOSITION
 Calmy Wies, New York, N. Y., and John B. R. Caron, North Plainfield, and Everett B. Glendinning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
 No Drawing. Application September 17, 1948, Serial No. 49,848
 17 Claims. (Cl. 44-68)

1. A fuel oil normally susceptible to cause clogging due to the presence of cracked com-

ponents and entrained moisture having incorporated therewith a small amount, sufficient to inhibit said clogging tendencies, of a basic polyvalent metal hydrocarbon sulfonate selected from the group of alkaline earth metal hydrocarbon sulfonate and basic aluminum hydrocarbon sulfonate.

2,626,208

PREPARATION OF STABLE DISTILLATE FUELS FROM CRACKED STOCKS

Russell H. Brown, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application December 19, 1949, Serial No. 133,965

8 Claims. (Cl. 44-75)

1. The method of treating cracked hydrocarbon oil boiling in the range of about 400° F. to 750° F. which comprises washing it with an aqueous solution of an alkali metal hydroxide, subsequently removing said solution from it and subsequently adding to it about 0.01 to 0.001 weight per cent of a neutralized polybutene phosphorus sulfide reaction product and about 0.01 to 0.001 weight per cent of N,N'-disalicylidene-1,2-diaminopropane.

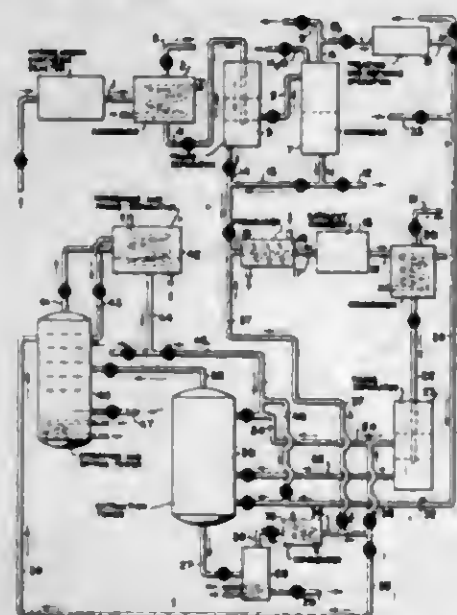
2,626,209

PRODUCTION OF COMPOUNDS FOR FUEL MIXTURES

Charles E. Morrell, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 28, 1948, Serial No. 67,679

2 Claims. (Cl. 44-77)



1. A vapor phase catalytic process for preparing fuel mixtures containing hydrocarbon-soluble ketones which comprises contacting one part of a mixture of water-miscible, oxygenated organic compounds including alcohols, aldehydes, ketones, esters, and carboxy acids having up to ten carbon atoms admixed with three to twenty parts of steam per part of said oxygenated organic compounds present therewith on a molal basis at temperatures of 360°-600° C. with a solid ketonizing catalyst consisting essentially of mixed iron oxides and manganese oxides, whereby the water-miscible organic compounds are substantially converted to ketones, condensing the vaporous products, extracting the aqueous liquid product so obtained with a hydrocarbon fraction thereby removing the hydrocarbon-soluble ketone components produced in the catalytic reaction, and drying the hydrocarbon extract containing the ketones to give fuel compositions.

2,626,210

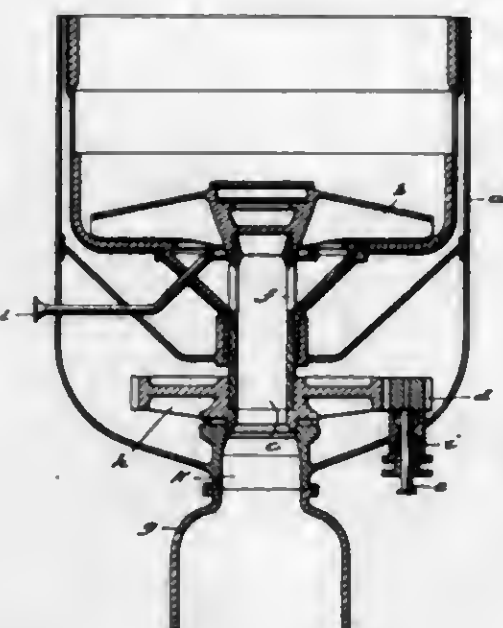
APPARATUS FOR DISCHARGING ASH FROM GAS PRODUCERS

Karl Schlepper, Koppeln, Germany, assignor to Metallgesellschaft Aktiengesellschaft, Frankfurt-on-the-Main, Germany, a corporation of Germany

Application January 9, 1950, Serial No. 137,662

In Germany October 1, 1948

3 Claims. (Cl. 48-87)



1. In a gas producer operating under super-atmospheric pressure having a shell and a fuel support provided with a centrally located opening mounted above the bottom of said shell, means for discharging residues of gasification from such gas producer comprising a centrally located upright hollow shaft mounted for rotation on a bearing within the lower portion of the gas producer shell, said hollow shaft being provided with lateral openings, means for rotating said hollow shaft, at least two scraper arms mounted above said support on the upper portion of said rotatable shaft for rotation with said shaft and for urging residues of gasification toward the opening in the support and the openings in said shaft for discharge through said openings and said hollow shaft upon rotation of such shaft and an ash pit communicating with the interior of said hollow shaft for receiving the gasification residues discharged therethrough.

2,626,211

WEED KILLER

Frank J. Sowa, Cranford, N. J.
No Drawing. Application January 4, 1950,
Serial No. 136,850

7 Claims. (Cl. 71-2.2)

1. The method of killing weeds which comprises the step of applying thereto an aqueous solution containing from about 0.10 to 10% by weight of monoammino boron trifluoride at the rate of about 16 gallons of solution per 1000 square feet.

2,626,212

SELECTIVE HERBICIDAL COMPOSITION

Frank J. Sowa, Cranford, N. J.
No Drawing. Application February 8, 1952,
Serial No. 270,749

12 Claims. (Cl. 71-2.4)

1. An herbicidal composition comprising as active ingredients from 1 to 50 parts by weight of

an ammonia-boron fluoride compound selected from the group consisting of monoammino boron trifluoride and ammonium fluoborate and from 1 to 30 parts by weight of a chloro phenoxy acetic acid compound selected from the group consisting of the ammonium and amine salts and the esters of 2,4-dichloro phenoxy acetic acid and 2,4,5-trichloro phenoxy acetic acid together with a wetting agent which is compatible in aqueous solution with said ingredients.

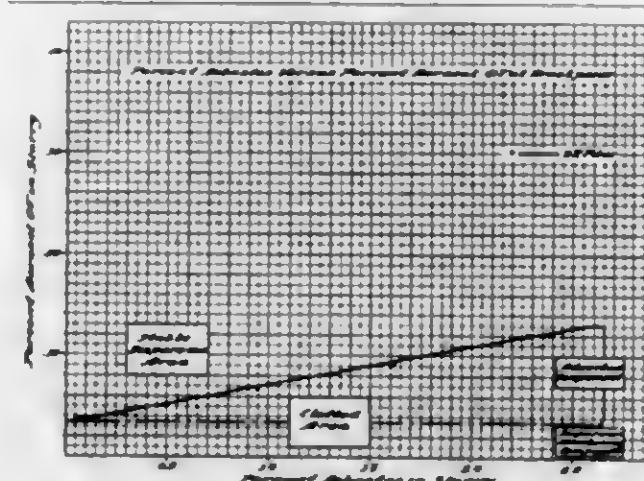
2,626,213

ASBESTOS DISPERSIONS AND METHOD OF FORMING SAME

Izador J. Novak, Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

Application December 21, 1948, Serial No. 66,552

14 Claims. (Cl. 92-3)



1. As a new composition of matter, a colloidal dispersion of chrysotile asbestos fibers in an aqueous vehicle, containing an organic chrysotile asbestos colloidizing agent.

3. The dried residue of the colloidal dispersion of claim 1 in felted sheet form.

2,626,214

PAPER FROM LONG SYNTHETIC FIBERS AND PARTIALLY WATER SOLUBLE SODIUM CARBOXYMETHYLCELLULOSE AND METHOD

Fay H. Osborne, Windsor Locks, Conn., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn., a corporation of Connecticut

No Drawing. Application June 14, 1949,

Serial No. 99,113

13 Claims. (Cl. 92-3)

1. A thin, soft, absorbent, extremely porous and light weight web material of substantial strength consisting essentially of synthetic artificially-formed fibers having a fiber length within the range of from 6 millimeters up to and including textile fiber lengths and uniformly distributed and intermingled in the form of a web with the fibers intersecting but spaced apart to form numerous interstices, said fibers being in their original, non-binding, fibrous, unbeaten, ungelatinized and uncoalesced form but being firmly bonded together at their intersections by small, discrete, water-laid deposits of water-insoluble chemically-unaltered sodium carboxymethylcellulose having a substitution value of from 0.3 to 0.75 and present uniformly throughout the web in an amount of from 1 to 5% of the weight of the finished web.

2,626,215

METHOD OF DEVELOPING MULTILAYER COLOR FILMS

Andre Kurt Schwerin, Montreal, Quebec, Canada, assignor to Miracol-R Ltd., Montreal, Quebec, Canada

Application March 29, 1950, Serial No. 152,629

In Canada March 3, 1950

5 Claims. (Cl. 95-2)

2. In a method of producing colour positive photographic colour images of opaque subjects, the steps which comprise photographically producing an image of the subject on a photographic material of an opaque base carrying superimposed silver halide emulsion layers differently sensitized to blue, green and red, and containing colour formers, subjecting the exposed material to a multi-stage developing process including a first developer containing the following ingredients in the following proportions:

Water	cc	1000
Sodium sulphite	grams	25 to 75
Hydro-quinone	do	10 to 20
Sodium thiocyanate	do	2.5 to 3.5
Potassium bromide	do	2.5 to 4.5
Sodium hydroxide	do	15 to 25
Benzotriazole	do	0.65 to 0.85
Ascorbic acid	do	0.65 to 0.85
Sodium sulphate	do	5 to 25

said photographic material being immersed in the first developer for six minutes with the temperature of said developer at 80° F. to increase to a high degree the sensitivity of the emulsions.

2,626,216

BLOOM INHIBITED CHOCOLATE

Sherwood Thomas Cross, Elamere, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 6, 1951,

Serial No. 230,255

19 Claims. (Cl. 99-23)

1. A composition of matter comprising chocolate and as a bloom inhibitor a mixture of a lipophilic partial fatty acid ester of a polyhydric compound containing at least one hydroxyl group for every three carbon atoms and a hydrophilic compound of the formula:



wherein:

R is an aliphatic acyl radical containing at least 12 carbon atoms,

R' is a member of the group of hydrogen and an aliphatic acyl radical containing at least 12 carbon atoms,

n is an integer between 1 and 4, and

z is a number from 4 to 60.

2,626,217

BUTTER OIL PROCESS

Ingle J. Lundal and Roy P. Robichaux, Chicago, Ill., assignors, by direct and mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware

Application June 12, 1946, Serial No. 676,195

13 Claims. (Cl. 99-119)

1. The method of producing dry butter oil which comprises the steps of melting butter in water having a temperature of approximately 110° F., agitating and concurrently heating said mixture to secure and maintain a substantially uniform dispersion of the ingredients of the mixture while at a temperature above the melting point of butter, adding an acid neutralizing

agent to said mixture to reduce the acidity thereof to substantially the neutral point while continuing the agitation and concurrent heating of said mixture, increasing the temperature of the neutralized mixture to a temperature within the range of 120° F. to 150° F. while continuing the agitation of the mixture, filtering the neutralized mixture, attempting the filtered mixture to a separating temperature within the range of 120° F. to 150° F., promptly separating the attempted mixture to secure a separation product having a butter oil content within the range of 94 percent to 100 percent butter oil at a temperature within the range of 120° F. to 150° F., attempting the separated butter oil to a temperature within the range of 170° F. to 180° F., pasteurizing the attempted butter oil at a temperature within the range of 195° F. to 205° F., and chilling the pasteurized butter oil to a temperature within the range of 60° F. to 70° F.

2,626,218

LIQUID PEPPER COMPOSITION AND PROCESS OF PRODUCING THE SAME

Claude Johnstone, Brooklyn, N. Y., and Frederick R. Schumm, Jersey City, N. J., assignors to Dodge & Oleott, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 1, 1950,

Serial No. 193,536.

11 Claims. (Cl. 99-140)

1. The process for producing homogeneous liquid pepper compositions which comprises adding to, and mixing with, an oleoresin of pepper, a substantially anhydrous, normally liquid organic acid which is substantially miscible with the essential oils of the oleoresin.

2,626,219

ANTISLIP ICE SOLVENT PRODUCT AND PROCESS

George B. Wagner, Holbrook, Mass., assignor to Normandy Chemical Corporation, Muskegon, Mich., a corporation of Michigan

No Drawing. Application January 3, 1949,

Serial No. 69,060

2 Claims. (Cl. 106-36)

1. A composition of matter for use as an anti-slip agent on ice, said composition consisting of wood-sawdust impregnated with a solution consisting of 1000 cubic feet of calcium chloride brine, 29 pounds of caustic soda, 125 pounds of sodium chromate, said solution being substantially neutral.

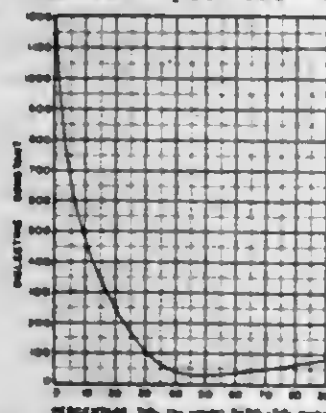
2,626,220

INSULATING MATERIALS

Hans Thurnauer, Chattanooga, and James Deaderick, Signal Mountain, Tenn.

Application May 20, 1947, Serial No. 749,330

5 Claims. (Cl. 106-39)



1. A ceramic insulator comprising a vitrified body formed from a mixture having a dielectric

composition of 55 to 100% barium titanate and up to 45% titanium dioxide.

5. A ceramic insulator comprising a vitrified body having a dielectric consisting of barium titanate.

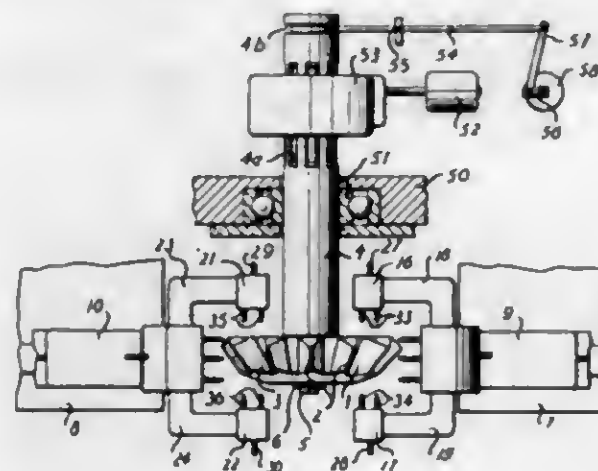
2,626,221

PROCESS OF APPLYING HARD SURFACING MATERIAL TO METAL BODIES

Charles H. Elliott, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application February 26, 1948, Serial No. 10,974

2 Claims. (Cl. 117-21)



1. The process of applying hard surfacing material to the teeth of a rotary metal cutter for an earth drilling bit, which comprises covering the teeth with a pasty sodium silicate solution, embedding hard surfacing material in a granular form upon the covered surface, heating the sodium silicate by heating the metal of the cutter and utilizing the heat radiating from the metal of the cutter to drive substantially all of the liquid vehicle from the sodium silicate, rotating the cutter and axially reciprocating the cutter while playing a flame upon said teeth, impinging the heat waves emanating from said cutter teeth onto an electric heat responsive element thereby indicating an electric voltage proportional and representative of the intensity of said heat waves, and stopping the heating of the cutter when said electric voltage attains a predetermined value indicating the temperature of the surface of the cutter teeth, at which the metal of the surface forms a bond with the hard surfacing material.

2,626,222

METHOD FOR MANUFACTURING PRINTING ROLLERS

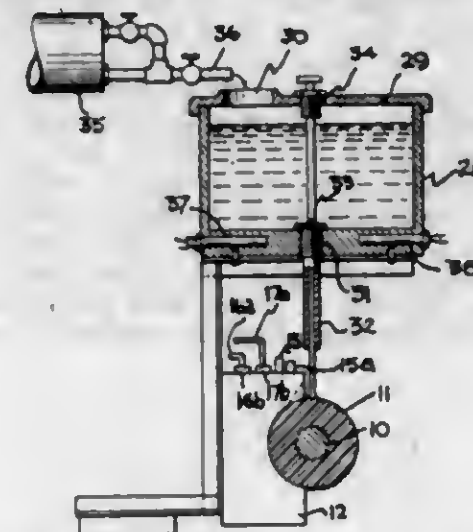
James Spencer, Toronto, Ontario, Canada

Application September 1, 1948, Serial No. 47,182

3 Claims. (Cl. 117-94)

1. In a method of forming a printing roller composed of a re-melttable printing roller material upon a relatively small hard core, the steps in combination of: rotating the core substantially in a horizontal plane, depositing a layer of the re-melttable roller material on the core to build a roller thereon, heating the platen and moving it into engagement with the surface of the layer on said core and on the descending side thereof as the latter rotates, maintaining said platen in contact with the surface of said layer to form a pool of roller material between the roller and the platen above the upper limit of contact between the same, and forming a ribbon-like stream of the roller material at the trailing end

of the pool by moving the platen longitudinally of the roller core and layer thereon to helically



distribute a fresh surface of the roller material on the roller.

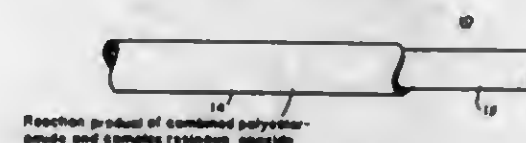
2,626,223

SYNTHETIC RESIN AND INSULATED PRODUCTS PRODUCED THEREWITH

Frank A. Sattler, Pittsburgh, Jack Swiss, Murrysville, and James G. Ford, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 17, 1951, Serial No. 251,762

14 Claims. (Cl. 117-128.4)



1. An insulated conductor comprising, in combination, an electrical conductor and cured solid resinous insulation applied to the conductor, the resinous insulation comprising the copolymer of (A) from 95 to 60 parts by weight of the polyester-amide of (a) from 3 to 4.5 moles of an ethylenically unsaturated dicarboxylic acid, (b) from 0.5 to 2.0 moles of an acidic compound having no ethylenic unsaturation selected from the group consisting of aliphatic dicarboxylic acids and their anhydrides, having at least two non-carboxyl carbon atoms and having no other reactive groups than the carboxyl or anhydride groups, (c) from 1.5 to 4.7 moles of at least one primary amine alcohol selected from the group consisting of monoethanolamine and monoisopropanolamine, (d) up to 0.6 mole of at least one primary diamino compound selected from the group consisting of ethylene diamine, propylene diamine and urea, the sum of the moles of the (c) primary amine-alcohol and the (d) primary diamino compound equaling at least 2.2 and not exceeding 4.7, and (e) from 1 to 2.4 moles of at least one polyhydric alcohol, not over 75 mole percent of the polyhydric alcohol having more than three reactive hydroxyl groups, the proportions of the reactants (a), (b), (c), (d) and (e) being selected so that the carboxyl groups do not substantially exceed a 10% stoichiometric excess over the total number of hydroxy and amine groups, and the total number of hydroxy and amine groups do not substantially exceed a 20% stoichiometric excess over the number of carboxyl groups, the reactants having been admixed and heated to a temperature of at least 100° C. for a period sufficient to produce a resin of a ball and ring softening temperature of not over 90° C., and (B) from 5

to 40 parts by weight of a resinous epoxide which is the polyether derivative of a polyhydric phenol and contains an average of more than one epoxide group per molecule and is essentially free from functional groups other than the epoxy and hydroxy groups, the resinous epoxide having a ball and ring softening temperature of from 40° C. to 140° C., said copolymer having been produced by heating the mixture of (A) and (B) to react it to a ball and ring softening temperature of from 27° C. to 55° C. for a 70% solution thereof in cresol.

2,626,224

CLEANING OXIDE FROM OXIDIZED MOLYBDENUM WIRE

Marie A. Levesque, Peabody, Mass.

No Drawing. Application November 30, 1949,

Serial No. 130,367

2 Claims. (Cl. 134-3)

1. The method of cleaning oxide from an oxidized molybdenum wire, said method comprising: dipping said wire into a solution of nitric acid, removing the wire from said solution, dipping it into a solution of hydrochloric acid while the wire is still wet with the nitric acid solution, removing the wire from said solution and washing the wire with water.

2,626,225

METHOD OF CLEANING INTERNAL-COMBUSTION ENGINES AND COMPOSITION THEREFOR

Oliver L. Brandes, Gibsonia, and Charles B. Pattinson, Jr., Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application August 18, 1947,

Serial No. 769,320

6 Claims. (Cl. 134-20)

4. A method of removing gum, lacquer, and carbonaceous deposits from an internal combustion engine which comprises operating said engine for a period of about 90 minutes in the absence of lubricating oil and while the crankcase thereof is filled at least to its normal capacity with a composition consisting of a homogeneous mixture of about 0.5 to 55 per cent by weight of water, 0.5 to 30 per cent by weight of a water-soluble detergent soap and the remainder a mixture of liquid organic solvents, said mixture consisting of (1) a solvent which is a monohydroxy monocyclic phenol, (2) a chlorinated hydrocarbon, and (3) a compound selected from the group consisting of alkyl ether and hydroxyalkyl ether derivatives of ethylene glycol and diethylene glycol, the ratio of said organic solvents being about 7:3:8, respectively, and thereafter draining the crankcase.

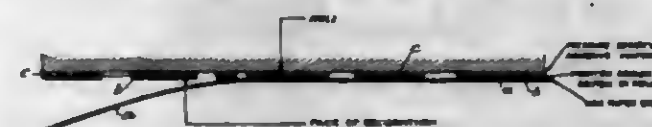
2,626,226

PRINTED TRANSFER AND METHOD OF USING SAME

James E. Adair, Chicago, Ill.

Application October 22, 1948, Serial No. 55,987

2 Claims. (Cl. 154-95)



1. That improvement which comprises: ink-printing a transfer consisting of disconnected portions forming a design or composite matter

on a substantially transparent wax-coated backing whereon the disconnected portions will be retained in fixed relation, the ink being separable from the backing, impressing a film of pressure-sensitive adhesive confined and conforming to the areas of the portions of the transfer, applying said areas of the adhesive to a support while the portions of the transfer are retained in fixed relation on the backing, and separating the backing from the transfer while the transfer is adhesively retained on the support.

2. A product comprising a transparent wax-coated paper, a transfer of disconnected portions forming a design or composite matter, printed directly on and separable from the paper, and a film of pressure sensitive adhesive confined and conforming to the areas of the portions of the transfer, the adhesive being adapted to retain the portions of the transfer in fixed relation on a support, while the backing is separated from the transfer.

2,626,227

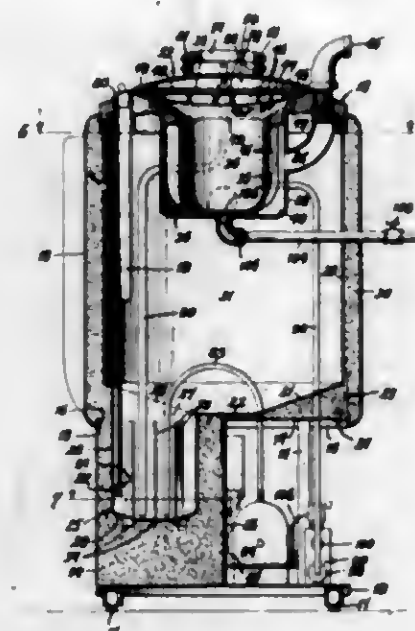
3, 5 - DIMETHYLPHENOXYETHANOL, 4-CHLORO - 3, 5 - DIMETHYLPHENOXYETHANOL AND THEIR USE AS SYSTEMIC FUNGICIDES FOR PLANTS

Joseph A. Lambrecht, South Charleston, W. Va., assignor to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application November 30, 1950, Serial No. 198,477

5 Claims. (Cl. 167-30)

1. A material of the group consisting of 3,5-dimethylphenoxyethanol and 4-chloro-3,5-dimethylphenoxyethanol.

3. Method of treating plants which comprises introducing into the plant a material of the group consisting of 3,5-dimethylphenoxyethanol and 4-chloro-3,5-dimethylphenoxyethanol.



2,626,228

METHOD OF PRODUCING CRYSTALLINE INSULIN

Karl Petersen, Copenhagen, Denmark, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark

No Drawing. Application July 31, 1947, Serial No. 765,271. In Denmark May 17, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires May 17, 1965

3 Claims. (Cl. 167-75)

1. Process of producing purified insulin in crystalline form from impure insulin by crystallizing insulin from an impure solution thereof in the presence of citric acid ions and of crystallization-promoting cations selected from the group consisting of zinc, cadmium, nickel and cobalt at a pH to give spontaneous formation of crystals of insulin free from any substantial glycogenolytic effect.

2,626,229

APPARATUS FOR REFINING USED LUBRICATING OIL

Carl F. Miller and Albert Miller,
Orchard Park, N. Y.

Application October 22, 1948, Serial No. 55,926

5 Claims. (Cl. 196-16)

1. In apparatus for refining used lubricating oil having a heated distillation chamber adapted to receive a charge of the used oil to be refined

and a charge of refining solids, an overhead enclosed filtering chamber, and a transfer line having its inlet communicating with the bottom of said distillation chamber and its outlet communicating with the upper part of said overhead filtering chamber, the combination therewith of apparatus agitating said charges in said distillation chamber and transferring said charges from said distillation chamber to said filtering chamber, comprising a pump, an outlet line for said pump and discharging into the bottom of said distillation chamber to agitate and aerate said charges therein, a three-way solenoid valve arranged when de-energized to connect one of its

inlets with its outlet and when energized to connect the other of its inlets with its outlet, a line connecting said outlet of said solenoid valve with the inlet of said pump, a conduit connecting said one of said valve inlets with said enclosed filtering chamber to reduce the pressure in said enclosed filtering chamber below the pressure of said distillation chamber and thereby draw said charges of used lubricating oil and refining solids from said distillation chamber up said transfer line and into said filtering chamber, and a thermostat having its sensitive parts in heat exchange relation with said charges in said distillation chamber and arranged to de-energize said three-way solenoid valve.

2,626,230

SOLVENT FRACTIONATION OF WAX-CONTAINING MIXTURES

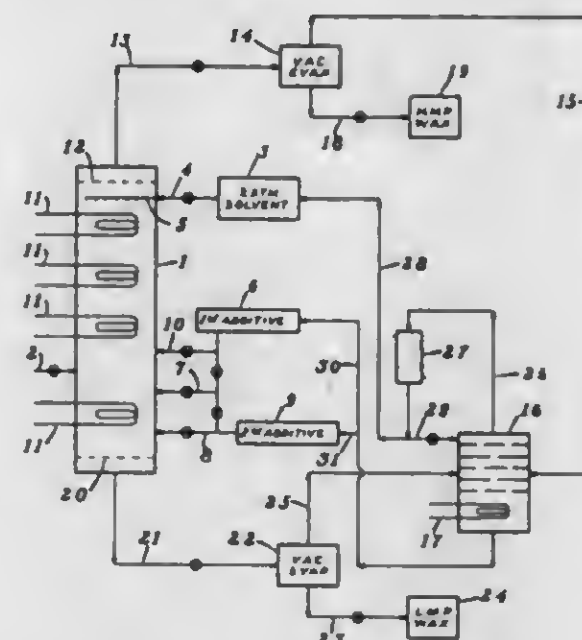
Edgar W. Clarke, Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application September 16, 1947, Serial No. 774,230. Divided and this application November 5, 1949, Serial No. 125,727

3 Claims. (Cl. 196-17)

1. The method of separating a wax-containing mixture into fractions of higher and lower melt-

ing point, which comprises countercurrently contacting said wax-containing mixture in an extraction zone with an extraction solvent and solvent additives at a temperature such that two immiscible liquid phases are formed, one comprising the higher melting wax fraction containing solvent and additives, and the other comprising solvent and additives and the lower melting wax fraction, separating the phases from one another, and removing the solvent and additives from each, the solvent being introduced into the extraction zone near the point of withdrawal of the higher melt-



ing wax fraction, the first additive being introduced adjacent the point of introduction of the wax-containing mixture, and the second additive being introduced between the point of introduction of the first additive and the point of withdrawal of the lower melting wax fraction, the solvent comprising 3.2 to 3.8 volumes of phenol per volume of wax-containing mixture, the first additive comprising 0.3 to 0.5 volume of cresol per volume of wax-containing mixture, and the second additive comprising 0.3 to 0.5 volume of cresol per volume of wax-containing mixture.

2,626,231

SOLVENT FRACTIONATION OF WAX-CONTAINING MIXTURES

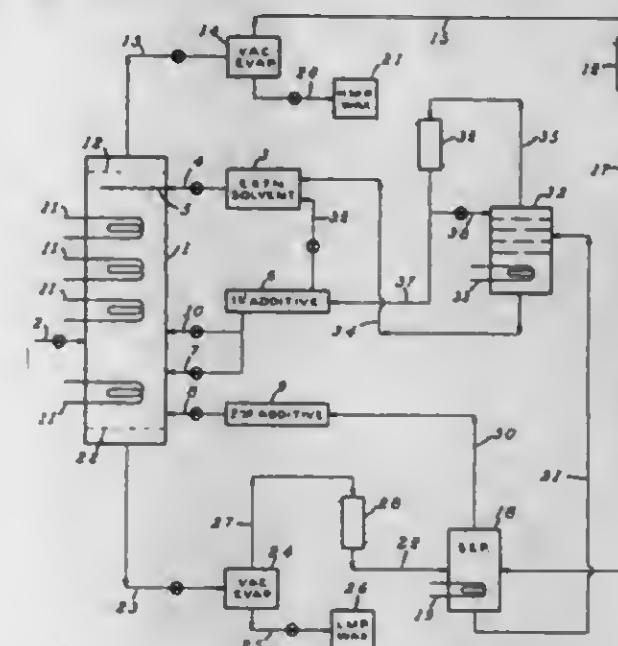
Edgar W. Clarke, Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application September 16, 1947, Serial No. 774,230. Divided and this application November 5, 1949, Serial No. 125,731

3 Claims. (Cl. 196-17)

1. The method of separating a wax-containing mixture into fractions of higher and lower melting point, which comprises countercurrently contacting said wax-containing mixture in an extraction zone with an extraction solvent and solvent additives at a temperature such that two immiscible liquid phases are formed, one comprising the higher melting wax fraction containing solvent and additives, and the other comprising solvent and additives and the lower melting wax fraction, separating the phases from one another, and removing the solvent and additives from each, the solvent being introduced into the extraction zone near the point of withdrawal of the higher melting wax fraction, the first additive being introduced adjacent the point of introduc-

tion of the wax-containing mixture, and the second additive being introduced between the point of introduction of the first additive and the point of withdrawal of the lower melting wax fraction, the solvent comprising 1.8 to 2.2 volumes of nitrobenzene containing a small amount of furfural



per volume of wax-containing mixture, the first additive comprising 0.3 to 0.5 volume of furfural per volume of wax-containing mixture, and the second additive comprising 0.45 to 0.55 volume of a paraffinic hydrocarbon containing from 8 to 18 carbon atoms per volume of wax-containing mixture.

2,626,232

METHOD FOR SWEETENING HYDROCARBONS

Robert M. Love, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application July 16, 1949, Serial No. 105,136

5 Claims. (Cl. 196-29)

1. A method for treating petroleum distillates which comprises contacting in a ferrous metal container a sour petroleum distillate having a boiling point below 700° F. with an alkaline hypochlorite solution non-corrosive to said metal container containing in excess of 90 grams of free alkali metal hydroxide per liter and available chlorine in the range between one and five grams per liter, removing said hypochlorite solution from contact with said distillate and recovering a sweetened distillate.

2,626,233

CATALYTIC CRACKING OF HYDROCARBONS IN THE PRESENCE OF ADDED GASEOUS OLEFINS

Charles N. Kimberlin, Jr., and Elroy M. Gladrow, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 5, 1950, Serial No. 177,960

8 Claims. (Cl. 196-52)

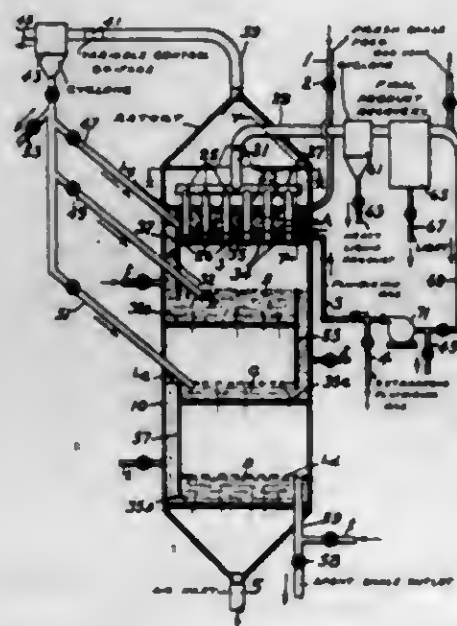
1. The process of cracking essentially liquid saturated hydrocarbon cracking feed stocks to

form more unsaturated hydrocarbons of a lower molecular weight, which comprises contacting the said saturated hydrocarbon feed stock at temperatures of about 800-1050° F. and at substantially atmospheric pressure with an activated carbon catalyst in a conversion zone in the presence of a normally gaseous olefin added to the conversion zone in at least equimolar proportions with reference to the hydrocarbons to be converted, and recovering from such conversion zone an effluent rich in unsaturated hydrocarbons.

2,626,234

HEAT EXCHANGE OF FLUIDIZED SOLIDS WITH GASES AND VAPORS

Frank T. Barr, Summit, and Walter A. Rex, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1949, Serial No. 98,522
9 Claims. (Cl. 202-6)



1. The process of distilling solids containing volatile constituents which comprises subjecting said solids to distillation temperatures in a distillation zone, passing a gas through said distillation zone to drive off vaporized volatile products, passing the mixture of gas and vaporized volatile products so produced without prior condensation in indirect heat exchange with and upwardly through a dense, turbulent, fluidized mass of subdivided fresh solids in a heat exchange zone comprising heat exchange surfaces forming narrow elongated passageways imbedded in said fluidized solids, said mixture passing upwardly through said passageways, cooling said mixture in said heat exchange zone by said heat exchange to a temperature not above that of incipient condensation of said products so as to condense a substantial portion of said products in said passageways and to preheat said fluidized solids, maintaining in said passageways a gas flow velocity high enough to entrain substantially all of said condensed products in said gas, withdrawing a suspension of condensed products in gas from said heat exchange zone, separately withdrawing preheated subdivided solids from said heat exchange zone and passing the same to said distillation zone, and withdrawing spent solids from said distillation zone.

2,626,235

METHOD AND APPARATUS FOR SOLID TRANSFER

Robert C. Wilson, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 15, 1945, Serial No. 582,952
10 Claims. (Cl. 202-36)



1. In a system comprising an elongated feed conduit extending upwardly from a confined contacting vessel for gravity feed of particle-form solid feed material into said vessel the improvement comprising, an inlet pipe connecting into said elongated feed conduit near its lower end for seal vapor introduction thereinto, a gas outlet communicating with the interior of said feed conduit at an intermediate level along its length, a gas inlet pipe connecting into said feed conduit a substantial distance above said outlet, a flow control valve on said last named pipe, a differential pressure control instrument connected operatively with said valve and communicated with said feed pipe at the levels of said outlet and of said last named inlet pipe, whereby said valve may be controlled in response to change in pressure differential between said outlet and said last named inlet pipe.

2,626,236

PURIFICATION OF NAPHTHALENE

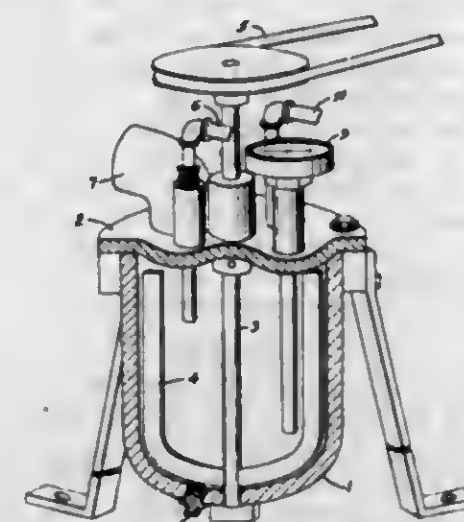
Benjamin F. Tatterson, Pittsburgh, Pa., assignor to Koppers Company, Inc., a corporation of Delaware
No Drawing. Application February 8, 1949, Serial No. 75,297
6 Claims. (Cl. 202-57)

1. In a process for the purification of naphthalene by treatment with metallic sodium followed by distillation of naphthalene from the sodium reaction mass leaving a solid residue, the steps of treating in the still the residue from said distillation which comprise feeding steam into the space of the residue-containing still above said residue, condensing at least part of said steam and allowing the resultant condensation water to flow onto said residue, and refluxing said water until the residue has been converted to a flowable liquid.

2,626,237

SEPARATION OF VOLATILE FROM NON-VOLATILE CONSTITUENTS OF AN AQUEOUS MOLASSES FERMENTATION RESIDUE

Kenneth H. Warren, Glen Burnie, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia
Application October 28, 1949, Serial No. 124,070
7 Claims. (Cl. 202-63)



1. The method for the separation of the volatile from the non-volatile constituents of an aqueous molasses fermentation residue which comprises maintaining a mass of substantially dry, discrete, solid particles consisting of the non-volatile constituents of a molasses fermentation residue at a temperature adapted to effect vaporization of the volatile constituents of said aqueous residue, stirring the mass, and continuously feeding the aqueous molasses fermentation residue to the mass at a rate such that the granular character of the mass of discrete solid particles is not substantially altered, whereby the volatile constituents of the added fermentation residue are vaporized, and separating the volatile constituents from the mass of solid particles.

2,626,238

CONDITIONING WATER

Neal E. Artz, Elmwood Park, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application March 17, 1947, Serial No. 735,239, now Patent No. 2,497,062, dated February 14, 1950. Divided and this application February 1, 1950, Serial No. 141,859
5 Claims. (Cl. 210-23)

1. Process of conditioning water which comprises adding to the water sodium phytate in amount ranging from 10 to 4000 parts per million.

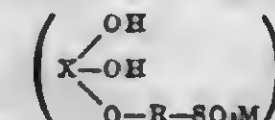
2,626,239

DRILLING FLUIDS AND METHODS OF USING SAME

Cary R. Wagner, Ulica, Ohio, William N. Axe, Bartlesville, Okla., and Chester M. Himel, Palo Alto, Calif., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application July 28, 1949, Serial No. 107,394
12 Claims. (Cl. 252-8.5)

1. A process for forming a filter cake, having a low rate of filtration of fluid therethrough, on

the wall of a well by the deposition of colloidal clayey solids from a water base drilling mud circulated along said wall which comprises admixing with said drilling mud and interacting therewith a water soluble sulfonated cellulose derivative having the general formula:



wherein X is the glucose residue ($\text{C}_6\text{H}_7\text{O}_2$); R is a radical selected from the group consisting of alkylene radicals wherein the alkylene group contains from 1 to 3 carbon atoms, alkylene-phenylene radicals where the alkylene portion of the group contains from 1 to 3 carbon atoms and is linked to the glucose residue through the alpha carbon atom, and the phenylene radical; SO_2 is a sulfonate group; M is of the group consisting of an alkali metal, an alkaline earth metal and an ammonium radical; n is an integer; a sufficient number of the hydroxyl hydrogens being replaced to render the molecule water soluble; said water soluble sulfonated cellulose derivative being incorporated in said drilling mud in an amount sufficient to decrease the rate of filtration of fluid through said filter cake but insufficient to increase the viscosity of said drilling mud to such an extent as to render it uncirculatable and contacting said wall of said well with the resulting drilling mud to form said filter cake thereon.

2,626,240

NONCORROSIVE SOLUBLE OIL CONTAINING ACTIVE SULFUR

Alton J. Deutser and Fred T. Crookshank, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1949, Serial No. 101,488
8 Claims. (Cl. 252-33.3)

1. A soluble oil comprising as the major constituent sulfurized mineral lubricating oil containing loosely combined active sulfur, an emulsifying agent capable of promoting the formation of an oil-in-water emulsion, water, a high boiling organic liquid coupling agent, and about 0.2-2.0% by weight based on the soluble oil of an aromatic alkylene diamine selected from the group consisting of benzyl alkylene diamines and salicylal alkylene diamines effective to inhibit said soluble oil against steel corrosion in the presence of water.

2,626,241

BENTONITE GREASES

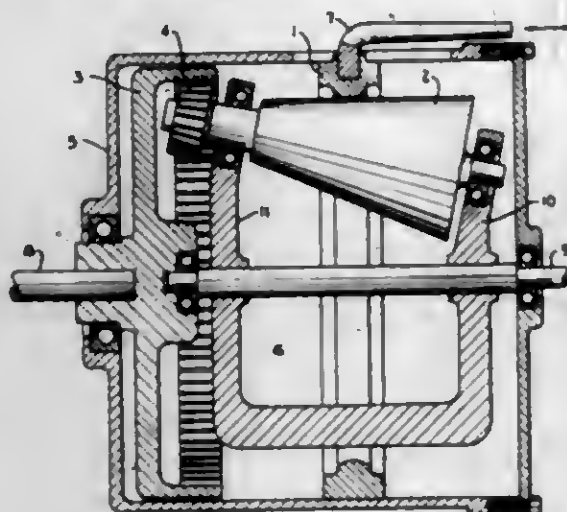
William J. Sparks, Westfield, Arnold J. Morway, Rahway, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 24, 1949, Serial No. 135,036
4 Claims. (Cl. 252-49.7)

1. A lubricating composition consisting essentially of a synthetic lubricating oil thickened to a grease consistency with a complex formed by reacting bentonite with an aliphatic amine salt, said synthetic lubricating oil being the residue remaining after distillation at about 250° C. of the mixture of products obtained by subjecting a C_7 monoolefin to the action of carbon monoxide and hydrogen in the "Oxo" process.

2,626,242

TORQUE CONVERTER FLUID

Samuel K. Talley, Berkeley, and Forrest J. Watson, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 25, 1948, Serial No. 56,446
23 Claims. (Cl. 252-49.8)



1. A power transmission assembly comprising a friction drive transmission and as a lubricant therefor a mixture of tertiary alkylated naphthalenes having an average alkyl substitution from 1:1 to 4:1, an average viscosity index of -50 to -400, at least 90% of said alkylated naphthalenes boiling within the range 200° C. to 500° C. at 760 mm. mercury pressure.

2,626,243

METHOD OF INHIBITING FOAM IN STEAM GENERATION

Arthur L. Jacoby, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,196
9 Claims. (Cl. 252-321)

1. A process of minimizing the production of foam in and the priming of steam generators operating under superatmospheric pressure conditions which comprises incorporating with a water therein containing an amount of total solids tending to produce foaming and priming a foam inhibiting quantity of a non-ionic diether of a polyoxyalkylene glycol, wherein the alkylene radicals are selected from the group consisting of ethylene, propylene and mixtures thereof, the said diether is insoluble in said water under the conditions of said steam generation and the average molecular weight of said diether is at least 500.

2,626,244

SURFACE-ACTIVE COMPOSITION

William A. Fessler, Prince George County, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 12, 1948, Serial No. 32,730
12 Claims. (Cl. 252-355)

1. A surface-active composition consisting essentially of (1) a major proportion by weight of salts of a mixture of acids having carbon contents within the range 10 to 30 carbon atoms, said mixture including sulfonated ketones, sulfonated amines, sulfonated alkylidene sulfamates, sulfonated sulfamates and bisulfite addition products of sulfonated alkylidene sulfamates, and being

derived from an unsaturated organic compound having at least one non-aromatic



linkage and a carbon content within the range 10 to 30 carbon atoms, by a process involving reaction of a nitrosating agent with a non-aromatic

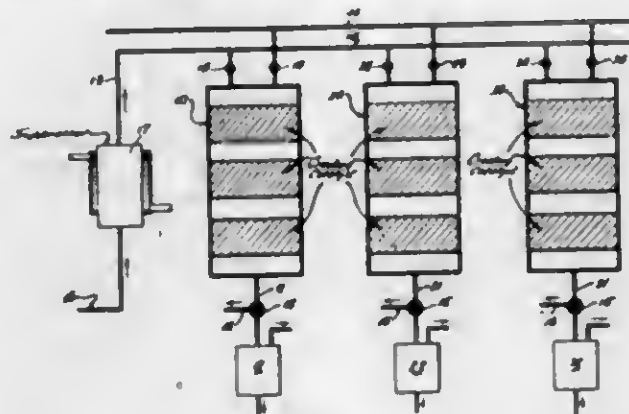


linkage of said unsaturated organic compound and reaction of the resulting nitrosation product with a sulfite, and (2) a minor proportion by weight, sufficient to enhance the surface-active properties of said salts, of a cation-active organic nitrogen compound having one nitrogen atom and a maximum total of 20 carbon atoms per molecule, of which a minimum of 6 and a maximum of 14 carbon atoms are contained in an open carbon-to-carbon chain radical attached to the nitrogen atom and of which a maximum of 6 additional carbon atoms are attached to the nitrogen atom.

2,626,245

SUPPRESSING THE OXIDATION OF CO TO CO₂ IN A FIXED BED REGENERATOR

Aristid V. Grosse, Haverford, Pa.
Original application July 22, 1949, Serial No. 106,251, now Patent No. 2,600,360, dated June 10, 1952. Divided and this application May 1, 1952, Serial No. 285,563
10 Claims. (Cl. 252-415)



1. In a process for decarbonizing a carbonized surface of a petroleum cracking catalyst, the steps comprising preparing an oxidation suppressor by mixing an elemental halogen selected from the group consisting of chlorine and bromine with a bromide of an element selected from the group consisting of silicon, zirconium, titanium and aluminum, mixing said oxidation suppressor with an oxidizing gas, bringing said mixture of said oxidizing gas and oxidation suppressor into contact with said carbonized surface whereby said oxidation suppressor restricts the formation of carbon dioxide in the oxidation of the carbon of said carbonized surface and causes the formation of carbon oxides with carbon monoxide in the greater proportion.

2,626,246

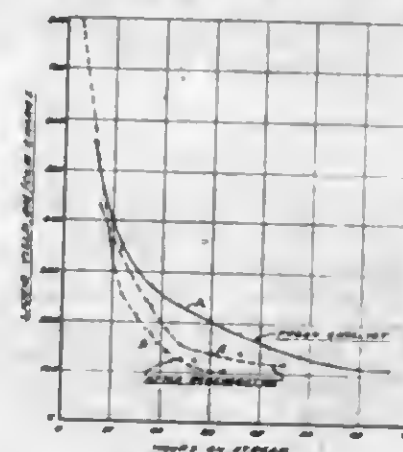
REGENERATING COBALT CATALYSTS BY OXIDATION

Ernest A. Naragon, Glenham, and Joseph H. Vergillo and Alfred J. Millendorf, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 29, 1949, Serial No. 73,533
7 Claims. (Cl. 252-416)

1. A process for regenerating cobalt catalysts which have become spent in the catalytic con-

version of olefins, hydrogen and carbon monoxide into carbonylic compounds which consists essentially of contacting spent cobalt catalyst with a

EFFECT OF REGENERATION WITH O₂ AND H₂ ON THE ACTIVITY OF COBALT CATALYST

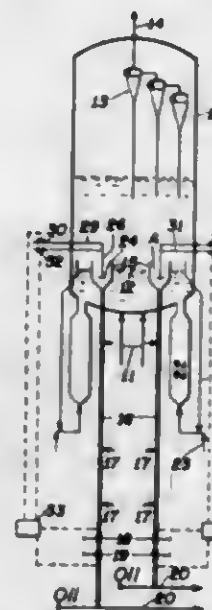


mixture of 1 to 25 per cent oxygen and 75 to 99 per cent nitrogen at a temperature between 100 and 400° F. for a period of at least 4 hours.

2,626,247

FLUIDIZED SOLIDS FLOW CONTROL SYSTEM

Hal M. Hart, Independence, Mo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 13, 1951, Serial No. 231,293
4 Claims. (Cl. 252-417)



1. In a system in which the top of a withdrawal column of fluidized solids is surmounted by a hopper and a fluidized dense phase mass of said solids is maintained in and above said hopper to constantly replenish the solids in said column, the method of maintaining a substantially constant pressure at the base of said column, which method comprises introducing both air as one component of aeration gas and steam as another component of said aeration gas into said hopper, adjusting the rates of flow of said air and steam to obtain the desired pressure at the base of said column, and thereafter maintaining the rate of flow of one of said components constant and varying the rate of flow of the other component in response to a deviation from the desired pressure to restore the pressure to the desired value, the rate of flow of steam being increased in response to an increase in pressure

and decreased in response to a decrease in pressure from the desired value when the air rate is held constant and the rate of flow of air being decreased in response to an increase in pressure and increased in response to a decrease in pressure from the desired value when the steam rate is held constant.

2,626,248

METHOD OF REPLASTICIZING POLYMERIC METALLO-CARBOXYLATES

Harold P. Brown, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 24, 1950, Serial No. 197,498
13 Claims. (Cl. 260-2.3)

1. The method of replasticizing an elastic polymeric metallo-carboxylate prepared by the reaction of a polyvalent metal oxide with a plastic, predominantly linear, carboxyl-containing polymer containing from 0.001 to 0.30 chemical equivalents by weight of combined -COOH per 100 parts by weight of polymer, which comprises mixing said elastic polymeric metallo-carboxylate with a material selected from the class consisting of carboxylic acids and their anhydrides having a greater -COOH content than said carboxyl-containing polymer until replasticization has occurred.

2,626,249

RESOL-ALKYD RESIN PRODUCTS

Herbert Hönel, Hamburg-Wandsbek, Germany, and Heinrich Manzano, Vienna, Austria
No Drawing. Application July 22, 1947, Serial No. 762,790. In Germany January 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 29, 1963
8 Claims. (Cl. 260-20)

1. In a process for producing hardenable resins, the improvement which comprises combining (1) a hydrocarbon-compatible liquid resol free from alkaline catalyst, obtained from a phenol having more than two aliphatic C-atoms per each phenolic nucleus, with (2) a plasticizing alkyd resin containing long aliphatic chains and having an excess of free alcoholic OH groups over the carboxylic groups of the ester forming components, said excess amounting to at least one gram OH group per 300 grams of the resin, by protracted heating in a slightly acid medium, at a temperature and for a period insufficient for carrying out the hardening reaction but sufficient for effecting etherification, removing the water, and interrupting the heating before gelation takes place.

2,626,250

SURFACE COATING COMPOSITION AND PROCESS FOR PREPARING THE SAME

John C. Petropoulos, South Norwalk, and Leonard E. Cadwell, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 13, 1950, Serial No. 161,898
20 Claims. (Cl. 260-22)

1. A process of preparing a vinyl monomer and oil-modified alkyd resin comprising reacting, in the presence of an inert organic solvent, an oil modified alkyd resin with 30-50% by weight, based on the total weight of the final reaction product, of a monomeric vinyl compound consisting of between 3-17.5% by weight, based on the total weight of the final reaction product,

of a member of the group consisting of diallyl fumarate and diallyl maleate, wherein said oil-modified alkyd resin is the reaction product of a polycarboxylic acid, a polyhydric alcohol and a glyceride oil, wherein said polycarboxylic acid consists essentially of a member of the group consisting of saturated polycarboxylic acids and phthalic acid, and is present in an amount varying between 15-45% by weight, based on the total weight of the oil-modified alkyd resin, said oil consists essentially of a non-conjugated oil having an iodine number between 120-190, and is present in an amount varying between 30-65% by weight based on the total weight of said oil-modified alkyd resin and said inert solvent, having a boiling point of at least 100° C., is present in an amount varying between 20-60% by weight based on the total weight of solvent and reactants.

2,626,251

WATER SOLUBLE CATIONIC RESINS

Raymond W. James, Lexington, and Wilbur B. Pings, Cohasset, Mass., assignors, by mesne assignments, to Imperial Paper and Color Corporation, Glens Falls, N. Y., a corporation of New York

No Drawing. Application August 25, 1948,

Serial No. 46,191

7 Claims. (Cl. 260-70)

1. A method for preparing water soluble cationic resins which comprises reacting 1 mol of urea with from 2 to 3 mols of an aldehyde selected from the group consisting of formaldehyde and acetaldehyde and with from $\frac{1}{2}$ to $\frac{3}{2}$ of a mol of a water soluble compound selected from the group consisting of water soluble primary alkyl aliphatic amines, water soluble secondary alkyl aliphatic amines, water soluble unsubstituted hydroxylated aliphatic tertiary amines, and water soluble unsubstituted heterocyclic amines in which the heteroatoms are from the class consisting of a nitrogen atom and a nitrogen atom together with an oxygen atom, subsequently acidifying said reaction mixture to a pH between 0.5-2.5 with a strong inorganic acid, and immediately neutralizing the solution to a pH from 5.0 to 7.0.

2,626,252

INTERPOLYMERS OF TRIHALOALKENES

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 12, 1948,

Serial No. 59,789

13 Claims. (Cl. 260-78.5)

1. A polymerizable mixture of a monomeric 2-dipropenyl ester of a C₄ to C₈ alpha-unsaturated alkenediolic acid and an omega-trichloroalkene having from three to five carbon atoms, in which the trichloroalkene constitutes from approximately 10 to approximately 90 mol-per-cent of the mixture of the ester and the trichloroalkene.

2,626,253

ARALKYLATED DIHYDROQUINOLINES

Joseph R. Ingram, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Original application November 24, 1948, Serial No. 61,911. Divided and this application July 2, 1949, Serial No. 102,980

4 Claims. (Cl. 260-88.3)

1. The method of making a resinous aralkylated dihydroquinoline antioxidant which comprises

heating in the presence of one mole of a Friedel-Crafts catalyst one mole of a 1,2-dihydroquinoline containing only carbon, hydrogen and one nitrogen atom and substantially one mole of a reagent selected from the group consisting of aralkyl chlorides, indanyl chloride and aromatic substituted olefins containing 8 to 12 carbon atoms and not more than two CH₂=CH- groups as the sole olefinic constituents.

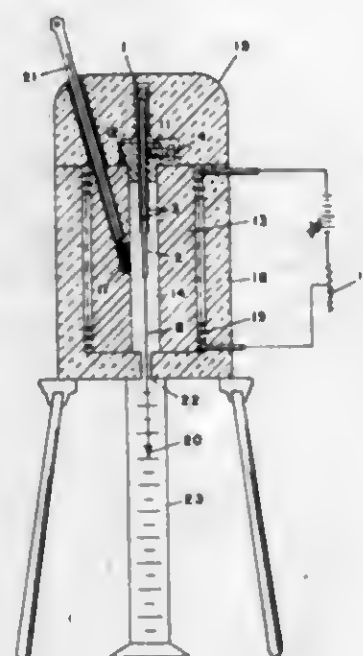
2,626,254

METHOD OF POLYMERIZING TRIFLUOROCHLOROETHYLENE

William T. Miller, Ithaca, N. Y., and John T. Maynard, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application November 29, 1948, Serial No. 62,592

11 Claims. (Cl. 260-92.1)



1. The method of preparing polytrifluoromonochloroethylene which comprises maintaining a compound selected from the group consisting of completely halogen substituted acetyl halides and completely halogen substituted acetic acid anhydrides, said halogen being selected from the group consisting of fluorine and chlorine, which is in solution in trifluoromonochloroethylene, in contact with an inorganic metal peroxide, to produce the peroxide of said compound in situ, and decomposing the peroxide so formed by maintaining the same at a temperature at which it decomposes while still in contact with said trifluoromonochloroethylene, thereby causing the latter to polymerize.

2,626,255

ZIRCONIUM PIGMENTS

Warren Barnett Blumenthal, Niagara Falls, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 15, 1950,

Serial No. 149,903

10 Claims. (Cl. 260-147)

10. A dye pigment comprising the water insoluble reaction product of a water soluble zirconyl salt and an acid dye containing an acid group selected from the acid group consisting of carboxalate and sulfonate.

2,626,256

DERIVATIVES OF STREPTOMYCIN AND METHODS OF MAKING THEM

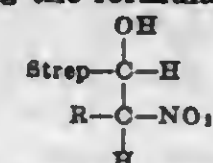
Walter A. Winsten, Forest Hills, N. Y., assignor to Food Research Laboratories, Inc., Long Island City, N. Y., a corporation of New York

No Drawing. Application May 26, 1950,

Serial No. 164,598

8 Claims. (Cl. 260-210)

1. A compound of the group consisting of nitro compounds having the formula



and the alkali metal salts of the aci-form of said nitro compounds wherein R is a member of the group consisting of hydrogen and alkyl.

2,626,257

MEDICAL DUSTING POWDER

Carlyle G. Caldwell, Flushing, and Thomas Aubrey White, Jackson Heights, N. Y., William L. George, Middlesex, N. J., and James J. Eberl, Moylan, Pa., assignors to Johnson & Johnson, a corporation of New Jersey, and National Starch Products Inc., a corporation of Delaware

No Drawing. Application May 21, 1952,

Serial No. 289,218

3 Claims. (Cl. 260-233.3)

1. A medical dusting powder comprising a starch powder in its non-gelatinized state partially etherified to a degree corresponding to treatment in aqueous suspension with an agent causing formation of diether linkages wherein chains having more than one carbon separate the oxygen bonds, in an amount sufficient to link 2-3 per cent of the free hydroxyl groups, said dusting powder comprising from about 0.05 to about 10 per cent of its weight of magnesium oxide.

2,626,258

SERIES OF NITROFURAN COMPOUNDS COMPRISING THE ACYL HYDRAZONE AMMONIUM SALTS OF 5-NITROACYL FURANS

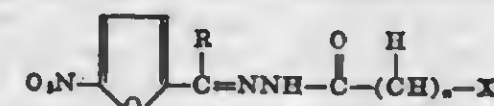
William C. Ward, Norwich, N. Y., assignor to Eaton Laboratories, Inc., Norwich, N. Y., a corporation of New York

No Drawing. Application May 29, 1950,

Serial No. 165,111

5 Claims. (Cl. 260-240)

1. A compound having chemotherapeutic activity and high water solubility, consisting of a member of the group represented by the formula:



in which

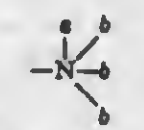
R represents a member of the group consisting of hydrogen and an alkyl radical containing from 1 to 8 carbon atoms

n equals 1 to 11

X represents a member of the group consisting of



and



wherein

a represents a member of the group consisting of Cl and Br

b represents lower alkyl.

2,626,259

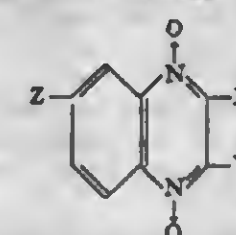
1,4-QUINOXALINE-DI-N-OXIDES

Justus Kenneth Landquist and Gilbert Joseph Stacey, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 19, 1950, Serial No. 163,101. In Great Britain July 20, 1949

7 Claims. (Cl. 260-250)

1. Quinoxaline-di-N-oxides of the formula



wherein X and Y stand for alkyl groups of fewer than five carbon atoms, and wherein Z stands for a radical from the group consisting of hydrogen, cyano, methoxy, and halogen.

2,626,260

NITROBENZISOXAZOLES

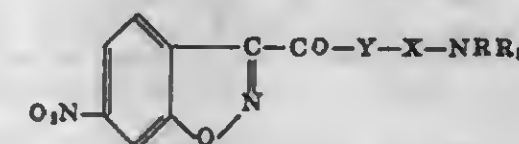
Raymond O. Clinton, North Greenbush, and Stanley C. Laskowski, Menands, N. Y., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 5, 1951,

Serial No. 245,245

22 Claims. (Cl. 260-294.3)

1. A compound having the formula



where Y is a member of the group consisting of O and NH, X is a lower alkylene radical whose two free valence bonds are on different carbon atoms and NRR₁ is a tertiary-amino radical selected from the group consisting of lower dialkyl-amino, 1-piperidyl, (lower alkylated)-1-piperidyl, 1-pyrrolidyl, (lower alkylated)-1-pyrrolidyl and 4-morpholinyl.

2,626,261

NITROTERTIARYAMINO BENZONITRILES

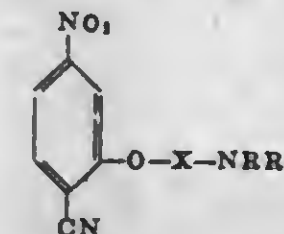
Raymond O. Clinton, North Greenbush, and Stanley C. Laskowski, Menands, N. Y., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 5, 1951,

Serial No. 245,250

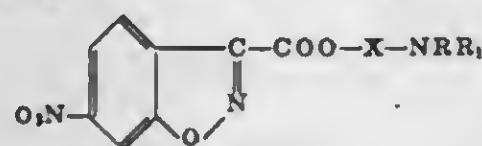
11 Claims. (Cl. 260-294.7)

1. The process of preparing a compound having the formula



where X is a lower alkylene radical whose two free valence bonds are on different carbon atoms and NRR₁ is a member of the group consisting of lower dialkylamino where each alkyl radical has from two to six carbon atoms, 1-piperidyl, (lower alkylated)-1-piperidyl, 1-pyrrolidyl, (lower alkylated)-1-pyrrolidyl and 4-morpholinyl, which comprises heating a tertiary-amino-

alkyl 8-nitrobenzoxazole-3-carboxylate having the formula



2,626,262

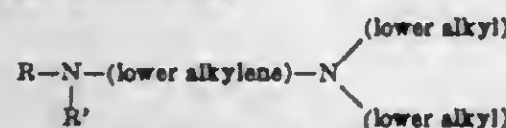
ALKADIENYL PYRIDYL AND PHENYL ALKYLENE DIAMINES, AND METHOD OF PREPARING SAME

William A. Lott, Maplewood, and Edward Pribyl, New Brunswick, N. J., assignors to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application September 28, 1950, Serial No. 187,344

7 Claims. (Cl. 260-296)

1. A compound of the class consisting of: bases of the general formula



wherein R is a member of the class consisting of hexadienyl, 2,4 and 3-chloro-hexadienyl, 2,4, and R' is a member of the class consisting of phenyl and 2-pyridyl groups; and acid-addition salts thereof.

2,626,263

HYDANTOIN DERIVATIVE

Roger Gaudry, Sillery, Quebec, Canada, assignor to Ayerst, McKenna & Harrison, Limited, Saint Laurent, Quebec, Canada, a corporation of Canada

No Drawing. Application July 5, 1951, Serial No. 235,366

4 Claims. (Cl. 260-309.5)

1. As a new compound, 5-γ-hydroxypropyl hydantoin.

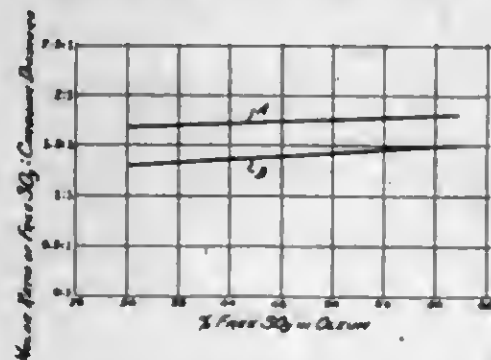
2,626,264

WASHING AGENTS

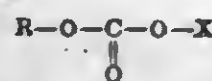
John S. Brod, Wyoming, Ohio, and Ronald A. Henry, Inyokern, Calif., assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

Application January 31, 1950, Serial No. 141,504

20 Claims. (Cl. 260-400)



1. As new wetting, sudsing and washing agents, the sulfonation products of carbonic acid diesters of the formula



where R represents a hydroxyl-free alkyl radical containing about 8 to 30 carbon atoms said radical being obtained by removing an alcoholic hydroxyl group from a member of the group of

alcoholic compounds consisting of (a) high molecular weight alkyl hydroxides having only one hydroxyl group, (b) monoamides of saturated high molecular weight monocarboxylic aliphatic acids with low molecular weight saturated alkylamines having only one hydroxyl group and only one amino group, (c) monohydroxy monoesters of saturated high molecular weight monocarboxylic aliphatic acids with low molecular weight saturated aliphatic dihydric alcohols, and (d) monohydroxy ethers of high molecular weight alkyl hydroxides having only one hydroxyl group with saturated low molecular weight aliphatic dihydric alcohols, and X is an alkenyl radical of 3 to 6 carbon atoms.

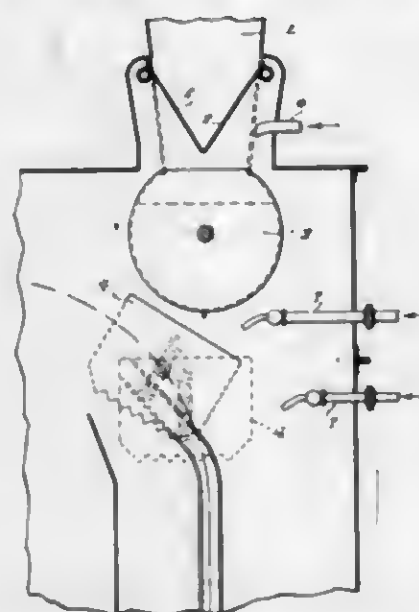
2,626,265

METHOD AND APPARATUS FOR SOLVENT EXTRACTION

George Richard Greenbank, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application April 29, 1947, Serial No. 744,747

3 Claims. (Cl. 260-412.8)



1. In an extractor of the type having travelling drainage baskets for extraction of oil from oil bearing material, a hopper and a liquid holding container disposed in superposed relation with the hopper uppermost and discharging solids into said container, and both disposed above one of said baskets in one position of the travel, a pipe disposed to direct a liquid solvent into the container, whereby a quantity of solvent may be placed in said container and a batch of said material discharged into the solvent in said container to be fully wetted thereby, said container being invertible to deliver the slurry of said solvent and submerged flakes as an entirety into said one basket while in said position, and a pipe disposed to direct solvent to the basket to maintain submergence of the flakes in the solvent during the extraction.

7. In the extraction of oil from oil-bearing solids by the paternoster principle, the improved method which comprises discharging in succession measured charges of said solids in flake form from a hopper, one at a time disposing a liquid holding container, of a size to hold about one of said charges, with its open face beneath the discharge of said hopper, moving drainage baskets in succession approximately beneath said container, depositing into said container with each charge a quantity of solvent sufficient to fully wet one of said charges, then discharging all of each charge of the solids and solvent from said

container into the drainage basket then beneath it, and then discharging further solvent upon the solids in each of said baskets.

2,626,266

PRODUCTION OF ARYLHALOSILANES

Arthur J. Barry, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application October 16, 1948, Serial No. 55,021. In Great Britain December 4, 1947

7 Claims. (Cl. 260-448.2)

1. The process which comprises reacting a benzenoid hydrocarbon free of aliphatic unsaturation in any side chains with trichlorosilane in the presence of a boron halide at a temperature above 230° C., at least a portion of the reaction mixture being in condensed phase, whereby to produce a trichlorosilyl derivative of the benzenoid hydrocarbon.

2,626,267

PRODUCTION OF ARYLHALOSILANES

Arthur J. Barry, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application October 16, 1948, Serial No. 55,022. In Great Britain January 13, 1948

5 Claims. (Cl. 260-448.2)

1. The method which comprises reacting a benzenoid hydrocarbon free of aliphatic unsaturation in any side chains with a polyhalomonohydrosilane, of the general formula R_nHSiCl_{3-n} in which R represents a monovalent hydrocarbon radical free of aliphatic unsaturation and n has a value of from 0 to 1 inclusive, in the presence of aluminum chloride at a temperature above 250° C. at least a portion of the reaction mixture being in condensed phase, whereby to produce a halo-silyl derivative of said hydrocarbon.

2,626,268

SYNTHESIS OF ALIPHATIC SILANES

Arthur John Barry, Midland, Lee De Free, Holland, and Donald Eugene Hook, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application December 11, 1948, Serial No. 64,903

10 Claims. (Cl. 260-448.2)

1. The process which comprises reacting an olefin, in the absence of catalysts for effecting polymerization of olefins and at a temperature of less than 410° C. with a hydrocarbon-halosilane having both hydrogen and halogen atoms and at least one monovalent hydrocarbon radical, free of aliphatic unsaturation attached to the silicon atom to form a polyorganohalosilane as the principal reaction product.

2,626,269

AROMATIC HALOSILANES

Arthur J. Barry, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application February 23, 1949, Serial No. 77,999

6 Claims. (Cl. 260-448.2)

1. The method which comprises reacting an aromatic chlorohydrocarbon containing nuclearly substituted chlorine with trichlorosilane in the presence of a chloride of the group consisting of boron and aluminum chlorides at a temperature of from 235° to 360° C., at least a portion of the

2,626,270

t-BUTYLSILANES

Leo H. Sommer, State College, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application July 8, 1949, Serial No. 103,741. In Canada February 1, 1949

7 Claims. (Cl. 260-448.2)

1. Compositions of the general formula,



in which R represents a radical of the group consisting of alkyl and phenyl radicals and X represents a substituent of the group consisting of hydroxyl radicals and amino radicals.

2,626,271

PRODUCTION OF ORGANOHALOSILANES

Arthur J. Barry and Donald E. Hook, Midland, and Lee De Free, Holland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application June 6, 1948, Serial No. 674,925

10 Claims. (Cl. 260-448.2)

1. The process which comprises reacting a polyolefine with trichlorosilane at a pressure of at least 200 pounds per square inch, and a temperature below 385° C., in the absence of catalysts for effecting the polymerization of olefines and in the absence of catalysts for Friedel-Crafts reactions.

2,626,272

ORGANOALKOXY SILANES

John L. Speier, Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application July 26, 1950, Serial No. 176,072

6 Claims. (Cl. 260-448.8)

1. A compound of the formula $R_3SiO(CH_2)_xCl$ where R is selected from the group consisting of alkyl and phenyl radicals and x has a value from 3 to 5.

2,626,273

PREPARATION OF ALKOXY HYDROSILANES

Melvin J. Hunter and Philip C. Servais, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application November 5, 1947, Serial No. 784,292

7 Claims. (Cl. 260-448.8)

1. The method of making alkoxy hydrosilanes which comprises reacting a silane ester having the formula $R_4Si(OR')_n$, wherein R is selected from the group consisting of alkyl and aryl radicals, R' is an alkyl radical, and n is a positive integer from 1 to 4, in liquid phase in the presence of free acid, with a silane having bonded to the silicon one hydrogen substituent and at least one chlorine substituent, the remaining silicon bonds, if any, being satisfied by monovalent hydrocarbon radicals selected from the group consisting of alkyl and aryl radicals, whereby interchange is accomplished between at least one alkoxy radical of the silane ester and a chlorine atom of the silane.

2,626,274

HYDROCARBON SYNTHESIS

Roscoe F. Vandaveer, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Application June 19, 1948,

Serial No. 34,147

5 Claims. (Cl. 260-449.6)

1. In a process for the synthesis of hydrocarbons from hydrogen and carbon monoxide, the step which comprises passing a mixture of hydrogen and carbon monoxide over a catalyst prepared by adding between about 0.1 and about 2.5% of an alkali metal compound to a mass of finely divided iron catalyst as an aqueous solution of an alkali metal salt of a sulfonic acid having at least 6 carbon atoms, the quantity of solution being only sufficient to be absorbed by the mass of catalyst, drying the impregnated catalyst, and contacting the dried catalyst with a reducing gas at a temperature above about 700° F. under superatmospheric pressure.

2,626,275

PROCESS FOR CATALYTIC CONVERSION OF CARBON MONOXIDE AND HYDROGEN TO HYDROCARBONS, OXYGENATED HYDROCARBONS, AND THE LIKE

Frederick W. Sullivan, Jr., Madison, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application February 18, 1947,

Serial No. 729,411

5 Claims. (Cl. 260-449.6)

1. In the catalytic conversion of carbon monoxide and hydrogen to hydrocarbons, oxygenated hydrocarbons and the like, of desired characteristics, through the agency of a powdered synthesis catalyst capable of dense phase fluidization, disposed in a reaction zone in heat exchange relationship with cooling surfaces disposed within the reaction zone and maintained at a predetermined temperature by a flow of coolant in contact therewith and in indirect heat exchange relationship with the catalyst, the heat of reaction being removed substantially entirely by said surfaces and said catalyst possessing such high activity that the maximum unit charging rate of reactants per unit of catalyst maintained as a fluidized dense phase, consisting solely of said powdered catalyst, is limited by the area of cooling surfaces available within the reaction zone, the improvement which comprises providing in substantially uniform admixture with said powdered catalyst discrete particles of catalytically inert material having substantially the same fluidizing characteristics as the catalyst particles in a proportion effective to materially increase the volume of said fluidized dense phase so that the area of cooling surfaces contacted by said fluidized dense phase is materially increased, and the maximum unit charging rate of reactants per unit of catalyst is also materially increased without substantially impairing the extent of conversion of reactants to the desired products.

2,626,276

RECOVERY OF ORGANIC OXYGEN-CONTAINING COMPOUNDS FROM MIXTURES OF HYDROCARBON OILS

Henry J. Hibshman, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 13, 1947, Serial No. 791,592

4 Claims. (Cl. 260-450)

1. An improved process for the separation of paraffinic hydrocarbons and aliphatic oxygen-

ated compounds produced by the catalytic hydrogenation of oxides of carbon which comprises scrubbing the gaseous hydrogenation products with a sulfur dioxide-insoluble substantially non-aromatic hydrocarbon to form an absorbate containing the hydrocarbons and oxygenated compounds formed in the hydrogenation reaction, extracting the absorbate therefrom with liquid sulfur dioxide in a countercurrent operation, separating an extract phase containing the oxygenated compounds and a raffinate phase containing the hydrocarbons produced by the hydrogenation reaction, and recovering the oxygenated compounds from the extract phase.

2,626,277

OXIDATION OF PETROLEUM FRACTIONS

Sylvan R. Merley, Riverton, and August Kofset, Bellmawr, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 15, 1948,

Serial No. 54,827

9 Claims. (Cl. 260-451)

1. The process of oxidizing petroleum fractions including blowing a paraffin wax in liquid phase with air in a reaction zone at temperatures in excess of 290° F. in the presence of from about 0.1 per cent to about 10 per cent of cumene hydroperoxide, the percentages being by weight of the paraffin wax the said peroxide serving to substantially reduce the induction period of the reaction.

2,626,278

METHOD OF PREPARING ACYLOXYETHYL ISOCYANATES

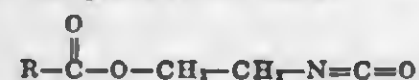
Vernon P. Wystrach, Springdale, and Jack T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 22, 1950,

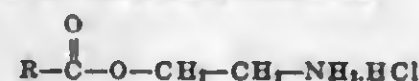
Serial No. 157,636

6 Claims. (Cl. 260-453)

1. The method of preparing a compound represented by the general formula



where R represents a radical selected from the class consisting of alkyl, cycloalkyl and aralkyl radicals, said method comprising effecting reaction between (1) phosgene and (2) a compound represented by the general formula



where R has the same meaning as given above, the said reaction being carried out while the said reactants are in contact with each other in a liquid medium in which they are inert, and isolating a compound represented by the first formula above-mentioned from the resulting reaction mass.

2,626,279

THIOLESTERS AND THEIR PREPARATION

Willie W. Crouch, Robert T. Werkman, and Robert J. Fanning, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

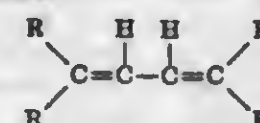
No Drawing. Application September 9, 1949,

Serial No. 114,920

15 Claims. (Cl. 260-455)

1. The process which comprises reacting a monothio carboxylic acid with a diolefinic hydro-

carbon containing not more than 12 carbon atoms in the molecule and characterized by the structural formula



wherein each R is a radical selected from the group consisting of hydrogen, alkyl, cycloalkyl and aryl, to produce an addition product thereof, and recovering a thiolester selected from the group consisting of alkenyl thiolesters resulting from the 1,4 addition of one mol of said acid to one mol of said hydrocarbon and dithiolester addition products of one mol of said acid and one mol of said alkenyl thiolesters as a product of the reaction.

11. As a composition of matter, butane-1,2-dithiolacetate.

2,626,280

THIO BIS(BENZENE SULFONYL HYDRAZIDE)

Byron A. Hunter, Oxford, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 7, 1952,

Serial No. 266,610

1 Claim. (Cl. 260-556)

As a new chemical compound, p,p'-thio bis (benzene sulfonyl hydrazide).

2,626,281

DECOMPOSITION OF ARALKYL ALPHA-HYDROPEROXIDES

George G. Joris, Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application August 23, 1949,

Serial No. 111,980

7 Claims. (Cl. 260-593)

1. In a process for decomposing an aralkyl alpha-hydroperoxide, the improvement which comprises contacting the hydroperoxide in liquid phase reaction mixture with sulfur dioxide to catalyze the decomposition into a carbonyl compound and a hydroxy aromatic compound.

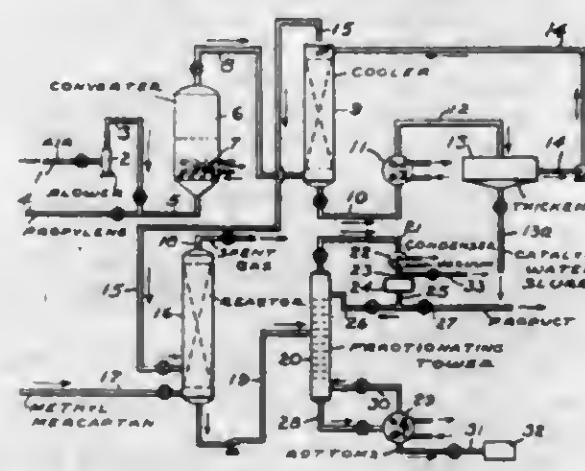
2,626,282

VAPOR PHASE PRODUCTION OF BETA-METHYLMERCAPTOPROPIONALDEHYDE

Mary E. Cunningham, Red Bank, and Leland K. Beach, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application October 5, 1949, Serial No. 119,666

5 Claims. (Cl. 260-601)



1. A continuous process for the preparation of substantially pure beta-methylmercaptopropional-

aldehyde which comprises oxidizing propylene catalytically with air, cooling the hot reaction product vapor stream by countercurrent contact with water, passing the cooled reaction products vapor stream to a reaction zone, simultaneously passing a dilute vapor stream of methylmercaptan into said reaction zone, maintaining a temperature gradient within the reaction zone in a range from 40° C. to 60° C., the gaseous reactants entering at the hotter portion of said reaction zone removing from the hotter portion of said reaction zone a liquid product consisting essentially of beta-methylmercaptopropionaldehyde, and removing from the cooler portion of said reaction zone the spent gaseous diluent.

2,626,283

PREPARATION OF ACROLEIN ACETAL
Richard R. Whetstone, Orinda, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 28, 1950,

Serial No. 181,909

2 Claims. (Cl. 260-615)

1. In the production of an acetal of acrolein, contacting a liquid mixture of acrolein and an alcohol at a temperature between about 0° C. and about 50° C. with porous solid calcined silica-alumina hydrogel, having a surface area not less than about 100 square meters per gram, until the acetal of acrolein and the alcohol is formed, and recovering said acetal from the reaction mixture.

2,626,284

AQUEOUS CAUSTIC TREAT OF ISO-OCTYL ALCOHOL

Warren M. Smith, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 17, 1949,

Serial No. 116,403

1 Claim. (Cl. 260-643)

A process for the treatment of a crude, water-immiscible primary, branched chain iso-octyl alcohol produced by the Oxo reaction followed by hydrogenation, giving a crude product, predominantly alcoholic and containing impurities including sulfur compounds, acids, esters and particularly formic acid esters which comprises liquid phase contacting of the crude alcohol at least once prior to distillation with an aqueous solution of an alkali metal hydroxide from 5 to 25% concentration at temperatures between 175° F. and 400° F., stratifying the mixture into a lower aqueous layer containing dissolved alkali metal hydroxide salts of organic impurities and an upper purified alcohol layer, separating the thus purified alcohol from the aqueous layer, water washing the separated alcohol free of caustic and dissolved alkali metal compounds, and subjecting the washed alcohol to distillation to give a purified alcohol distillate product, free of esters and acids.

2,626,285

RECOVERY OF CYCLOPENTADIENE

William D. Spaulding, Steubenville, Ohio, and Bernard K. Wasserkug, Weirton, W. Va., assignors to National Steel Corporation, a corporation of Delaware

No Drawing. Application January 30, 1950,

Serial No. 141,354

15 Claims. (Cl. 260-666)

1. A process for separating cyclopentadiene from coke oven by-product light oil fractions con-

taining the same comprising passing the fractions into a polymerization zone, maintaining the fractions in vapor phase in the polymerization zone at a reaction temperature between about 302° F. and about 527° F. and under a pressure in the neighborhood of atmospheric pressure, maintaining the vapors at reaction temperature for a time sufficient to polymerize cyclopentadiene, to dicyclopentadiene but insufficient to cause substantial polymerization of the dicyclopentadiene to higher polymers, passing the effluent of the polymerization zone to a condensation zone wherein the effluent is reduced to a temperature below 338° F. but above 115° F. to condense the dicyclopentadiene and collecting the liquid dicyclopentadiene.

2,626,286

PRODUCTION OF AROMATICS AND SATURATED ALIPHATICS

Alexis Voorhies, Jr., and Clark E. Adams, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1949,
Serial No. 135,534

18 Claims. (Cl. 260—668)

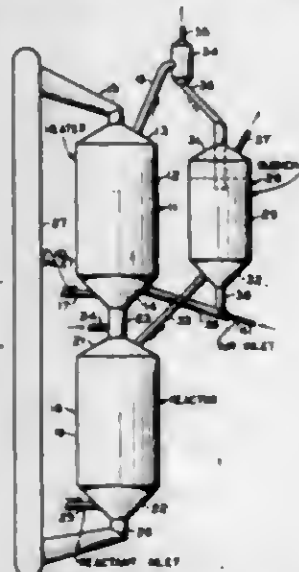
2. A method for simultaneously effecting the catalytic dehydrogenation of naphthenes to aromatics and the catalytic hydrogenation of olefins to paraffins which comprises reacting in the vapor phase a gaseous mixture of naphthenes and olefins in the presence of an activated carbon catalyst at temperatures of 900°–1000° F., whereby hydrogen is transferred directly from the naphthene to the olefin to produce an aromatic hydrocarbon and a paraffin therefrom with a minimum amount of degradation of reactants to gaseous and carbonaceous by-products.

2,626,287

PEBBLE HEATER APPARATUS AND METHOD OF OPERATION

Louis C. Bearer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 21, 1949, Serial No. 128,602
8 Claims. (Cl. 260—677)



1. A method for reacting and quenching hydrocarbons which comprises in combination the steps of passing pebbles into the upper portion of a pebble heating zone; passing fuel and air into the lower portion of said pebble heating zone; burning said fuel in direct heat exchange with said pebbles; removing resulting combustion products from the upper portion of said pebble heating zone; passing said heated pebbles

into the upper portion of a reaction zone and downwardly therethrough; introducing reactant material into the lower portion of said reaction zone; passing said pebbles from said reaction zone to said pebble heating zone; passing cool particulate solid material into the upper portion of a quenching zone; removing resulting reaction products from said reaction zone; introducing said reaction products into the lower portion of said quenching zone at a rate sufficient to fluidize said particulate solid material therein, whereby said reaction products are quenched and any tarry materials entrained therein are deposited on said particulate solid material; converting said tarry materials to coke by the action of the heat of said reaction products; removing quenched reaction products from said quenching zone; removing coke bearing particulate solid material from said quenching zone; entraining said coke bearing particulate solid material in an air stream, whereby said air is preheated; introducing said preheated air and particulate solid material into the lower portion of said pebble heating zone; passing said particulate material through said pebble heating zone countercurrent to the flow of pebbles therethrough, whereby said particulate solid material is regenerated in said pebble heating zone; removing said regenerated particulate solid material from said pebble heating zone with said combustion products; separating said combustion products and said particulate solid material; and introducing said regenerated particulate solid material into said quenching zone.

2,626,288

METHOD FOR BRINGING A NEWLY CHARGED CATALYTIC REACTOR ON STREAM

Leo John Ronayne, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application January 6, 1950,
Serial No. 137,270

7 Claims. (Cl. 260—680)

1. In the dehydrogenation of an olefinic hydrocarbon, wherein under on stream conditions said hydrocarbon is passed into contact with a bed of particulate iron-oxide catalyst in admixture with a diluent wherein the ratio of diluent to said hydrocarbon is of the order of about 18 to 1 and the normal on stream flow rate through said bed is of the order of about 5000 cubic feet per volume of catalyst per hour, the method of preconditioning said catalyst bed which comprises passing said diluent and said hydrocarbon in a ratio of the order of about 6 to 1 and at a flow rate not exceeding about 500 cubic feet per volume of catalyst per hour for a substantial period of time through said bed and causing said butylene to deposit coke upon said catalyst until the individual particles thereof have become fixed in relation to each other due to the bonding effect of said coke which has been deposited and then placing said bed under on stream conditions.

2,626,289

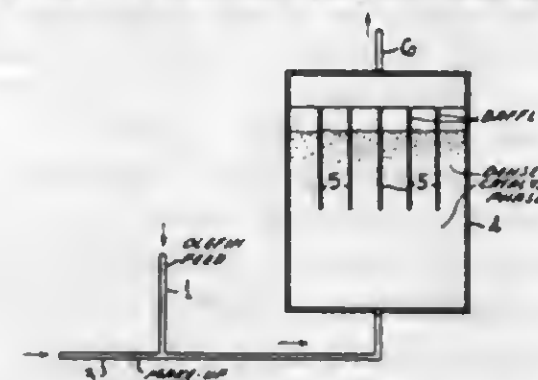
PROCESS FOR POLYMERIZATION IN THE PRESENCE OF A FLUID SOLID POLYMERIZATION CATALYST

Francis R. Russell, Mountsides, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 30, 1950, Serial No. 152,825
18 Claims. (Cl. 260—683.15)

1. A non-regenerative catalytic process for polymerizing olefins which comprises the steps

of passing the olefins through a first zone containing a well mixed suspension of finely divided solid polymerization catalyst in fluid hydrocarbon under conditions whereby most of the olefins are polymerized, passing effluent from said first zone, said effluent comprising polymerized olefins



and unreacted olefins, through a second poorly mixed dense zone of solid polymerization catalyst whereby unreacted olefins are substantially completely polymerized, and withdrawing effluent containing polymerized olefins from said second zone.

2,626,290

PROCESS FOR POLYMERIZING OLEFINS WITH A PHOSPHORIC ACID SLURRY CATALYST

William K. Fell, Elizabeth, and John Duncan Leslie, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application March 30, 1950, Serial No. 152,858
11 Claims. (Cl. 260—683.15)



1. A non-regenerative catalytic process for polymerizing olefins which comprises the steps of forming in a reaction zone an agitated co-suspension of finely divided catalyst comprising phosphoric acid deposited on a solid carrier and finely divided solid diluent in fluid hydrocarbon, continuously contacting said suspension with olefin feed at polymerization temperature and pressure, and continuously withdrawing effluent including polymerized olefins from said zone while maintaining said catalyst and diluent in said suspension within said zone, said solid diluent being selected from the class consisting of silica gel, bauxite and alumina and being used in an amount in the range of 10 to 50% by weight, based on said catalyst, whereby substantial agglomeration of said catalyst is prevented.

2,626,291

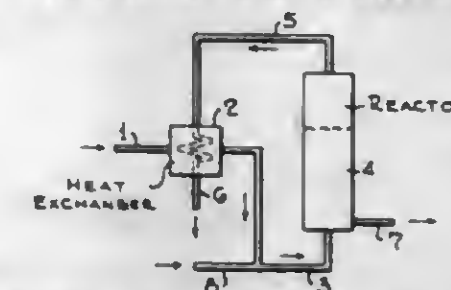
SOLID PHOSPHORIC ACID SLURRY POLYMERIZATION PROCESS

Raymond Livingston Betts, Westfield, and John D. Leslie, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application October 19, 1950, Serial No. 190,991
11 Claims. (Cl. 260—683.15)

1. In the non-regenerative catalytic process of polymerizing olefins in which an olefin feed is continuously introduced into a reaction zone containing a co-suspension of finely divided solid phosphoric acid catalyst and finely divided solid diluent in fluid hydrocarbon under polymerization conditions and substantially solid-free effluent

containing polymerized olefins is continuously withdrawn from said zone while said catalyst and diluent are maintained in said suspension within said zone, said catalyst containing in the range of 50 to 90% by weight of phosphoric acid and said diluent being used in an amount sufficient to prevent substantial catalyst agglomeration and



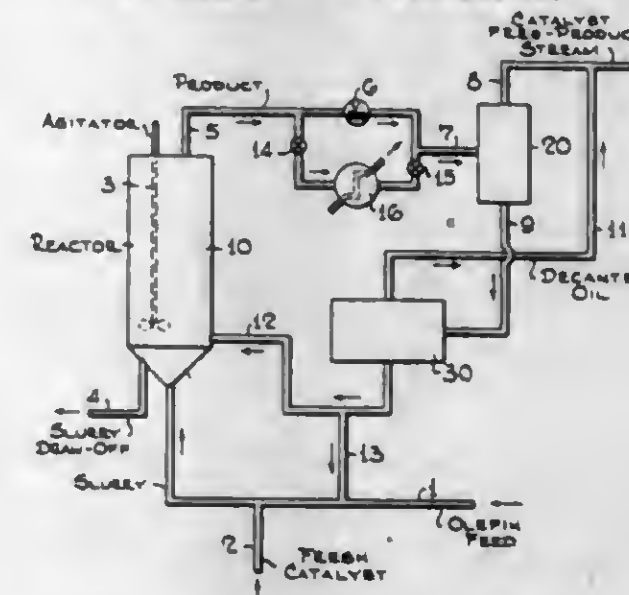
being selected from the class consisting of silica gel, bauxite and alumina, the improvement in which said diluent contains deposited thereon a relatively small amount of phosphoric acid, said amount being at least about 20% less acid than is contained on said catalyst and being sufficient to minimize loss of activity of said catalyst.

2,626,292

REMOVAL OF FINELY DIVIDED SOLIDS FROM POLYMERIZATION STREAMS

Edward J. Gornowski, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 9, 1951, Serial No. 210,237
4 Claims. (Cl. 260—683.15)



1. Improved process for polymerizing normally gaseous olefins which comprises contacting the olefins in a reaction zone at temperatures between about 350° F. and 600° F., and pressures between about 200 lb./sq. in. and 1200 lb./sq. in., so that but one fluid state exists in the presence of a finely divided suspended catalyst comprising phosphoric acid deposited on a carrier, whereby catalyst particles are entrained in the product stream, withdrawing a product stream containing entrained catalyst from said reactor, partially condensing said product stream to form a heavy phase containing said entrained catalyst and a substantially catalyst-free light phase, and returning said heavy phase containing said entrained catalyst particles to the reaction zone.

2,626,293

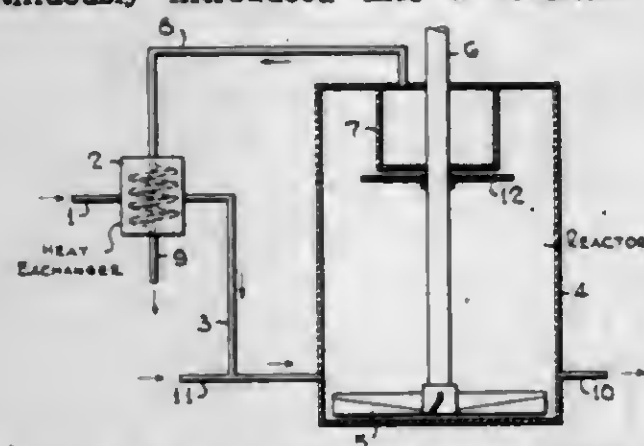
SLURRY POLYMERIZATION PROCESS

Sumner B. Sweetser, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 29, 1951, Serial No. 218,160
6 Claims. (Cl. 260—683.15)

1. In the non-regenerative catalytic process of polymerizing olefins in which an olefin feed is

continuously introduced into a reaction zone

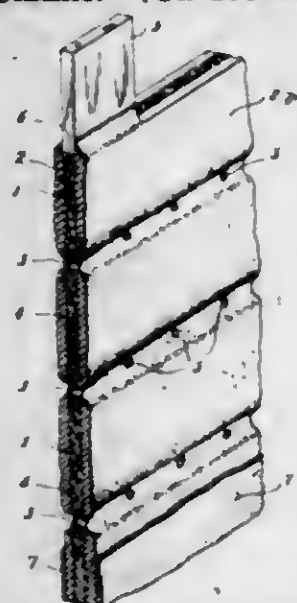


containing a cosuspension of finely divided cata-

lyst comprising phosphoric acid deposited on a solid carrier and finely divided silica gel diluent in fluid hydrocarbon and in which effluent containing polymerized olefins is withdrawn continuously from said zone while maintaining said catalyst and silica gel in said suspension within said zone, said silica gel having an original surface area of above about 450 m.²/g., the improvement which comprises heat treating said silica gel, prior to addition to said suspension, to obtain a reduced surface area in the range of about 50 to 300 m.²/g. whereby both agglomeration and loss of activity of said catalyst are minimized.

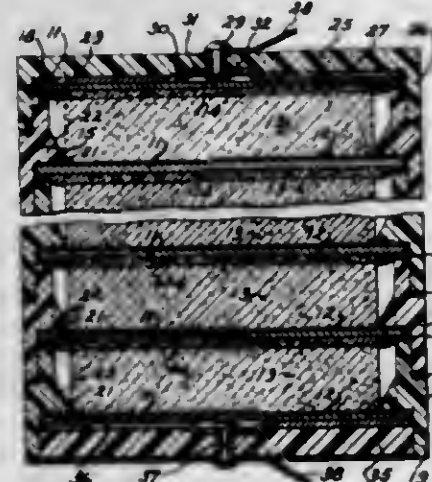
ELECTRICAL

2,626,294
STORAGE BATTERY ELECTRODE AND METHOD OF MAKING
Joseph B. Brennan, Cleveland, Ohio
Application March 23, 1950, Serial No. 151,405
5 Claims. (Cl. 136—28)



1. A storage battery electrode comprising a particulate porous carbon plate impregnated with an active battery oxide and having a coating of porous particulate battery metal thereover.

2,626,295
DRY CELL BATTERY
Allison M. MacFarland, Cleveland, Ohio, assignor to General Dry Batteries, Inc., Lakewood, Ohio, a corporation of Ohio
Application April 19, 1950, Serial No. 156,878
1 Claim. (Cl. 136—111)



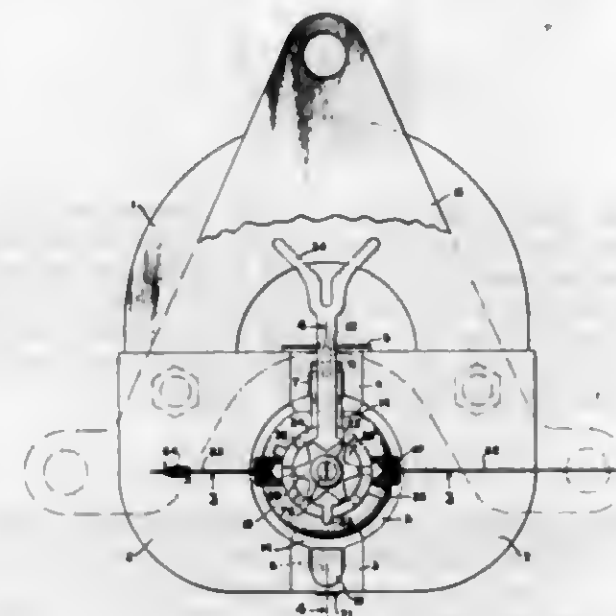
A dry cell battery embodying a plurality of groups of cell elements arranged in series stacked relation, each group including a flat zinc electrode, a conductive carbonaceous coating on

one side of said zinc electrode, a sheet of battery paper impregnated with electrolyte coinciding with said zinc electrode and engaging the side of said zinc electrode opposite said carbonaceous coating, and a mix cake having one face engaging said sheet of battery paper and its other face engaging the carbonaceous coating of zinc electrode of the adjacent group, and a casing for the battery made up of a series of open-ended frame members, the unobstructed openings through said frame members being of substantially the same cross sectional area as the mix cakes one frame member surrounding each group of cell elements, each frame member having an intermediate stepped portion providing an exterior shoulder and an interior shoulder and having inwardly extending spaced tapered lugs centering the mix cake within the frame and providing space for expansion thereof, an inner flange and an outer flange, the inner flange having external dimensions substantially the same as the internal dimensions of the outer flange, the flanges of adjacent frame members in the casing being telescoped together, ends of the internal flanges opposing internal shoulders and the ends of the external flanges opposing external shoulders, the marginal edges of a zinc electrode and the sheet of battery paper associated therewith being compressed between each opposed internal shoulder and end of internal flange, the opposed external shoulder and ends of external flanges being slightly spaced apart, said frame members being bonded together into an electrolyte-impervious casing.

2,626,296
GALVANOMETER
Frederick W. Side, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 30, 1947, Serial No. 725,195
10 Claims. (Cl. 171—95)

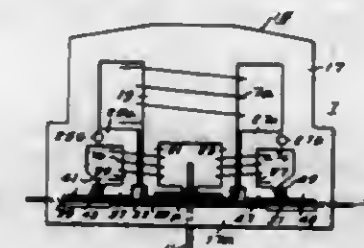
1. In a galvanometer, the combination of a magnet, pole pieces integrally attached to the poles thereof, spacers extending between and integrally attached to said pole pieces, said pole pieces and spacers being formed with a cylindrical opening, said spacers being formed with oppositely spaced locating surfaces, a cylindrical core, a part and a bracket integrally attached thereto at diametrically opposed portions of said core, said part and bracket being formed with locating surfaces cooperating with the locating surfaces in said spacers whereby said core will be concentric with the opening between said pole pieces to form two half-ring shaped spaces, said bracket being formed with a pair of tubular projections concentric with said core, a jewel bear-

ing received in each of said tubular extensions, a coil surrounding said core in said half-ring shaped spaces, pivots extending symmetrically from said coil and received by said bearings, rotatable adjusting means received on the exterior of said projections, biasing means for said coil having a portion thereof attached to said



coil and a portion thereof attached to said adjusting means whereby as said adjusting means is moved said coil will be moved through said biasing means to shift said coil in said half-ring shaped spaces, and a magnetic shunt adjustably attached to one of said spacers and projecting adjacent said pole pieces to vary the effect of said magnet on said coil.

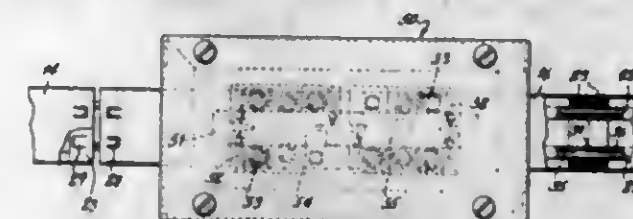
2,626,297
TORQUE BALANCING ADJUSTER FOR ELECTRICAL METERS
Richard M. Lelippe, Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 8, 1948, Serial No. 19,818
7 Claims. (Cl. 171—264)



1. In an electrical meter, a magnetic structure having an airgap, an armature disposed for rotation in the airgap, said magnetic structure including a voltage pole and a pair of current poles, a winding associated with each of said poles, each of the current poles having only one winding, said windings when suitably energized producing a shifting magnetic field in the airgap, and separate, adjustable magnetic means positioned adjacent the pole face of each of the current poles for diverting magnetic flux produced by windings on the current poles away from the airgap.

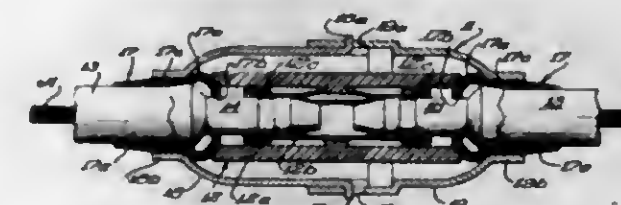
2,626,298
SLIDING CONNECTOR FOR BUS BAR SECTIONS

Herman J. Hammerly, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Original application January 29, 1949, Serial No. 73,570. Divided and this application April 7, 1949, Serial No. 85,996
3 Claims. (Cl. 173—324)



1. In an electric distribution apparatus, a plurality of tubular bus bars slotted at their ends and disposed in end to end relation with their adjacent slots in alignment, and a connecting jack disposed within adjacent ends of each pair of said bus bars, each said jack comprising an elongated flat rigid bar, a doubly bowed elongated spring member disposed in flatwise engagement with one side of said rigid bar, said spring member having a flat central portion engaging the center of said bar and having similarly arcuately bowed side arms extending oppositely from said central portion and engaging at their ends the ends of said rigid bar, and an upright pin pivotally connecting said rigid bar and said spring member together at said central portion and extending through said aligned slots to permit actuation of said jack to positions of full retraction within either of the associated bus bars.

2,626,299
WATERPROOF RECEPTACLE
Wayne V. Richards, Union City, Mich., assignor to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application May 10, 1949, Serial No. 92,448
9 Claims. (Cl. 173—328)

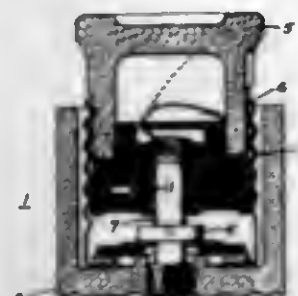


1. A separable connector comprising, in combination, a socket, a plug in each end of said socket, a resilient grommet on each plug, said grommet defining an enlarged socket seating portion and a substantially cylindrical sleeve portion, a shell snugly seated on the sleeve portion of each grommet, said shells defining interconnecting elements, whereby said shells may be interlocked against the resilient bias of said grommets, thereby deforming said grommets to form a water-tight seal at the locale of said socket and plugs.

2,626,300
TAMPER RESISTING FUSE
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application November 10, 1950, Serial No. 194,967
1 Claim. (Cl. 173—356)

The combination of an adapter for limiting the type of fuse insertable into a plug fuse socket and

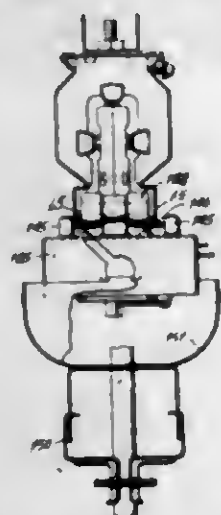
removable locking means for effecting (when used), the locking of said adapter in a fuse socket, said adapter having a circumferential thread engageable with said fuse socket, a circumferential groove adjacent said thread, and a pair of oppositely disposed radially inwardly extending grooves one located at each end of said circumferential groove, said removable means comprising an arcuately shaped spring locking device removably engageable with said grooves, said locking device having a radially inwardly



extending projection on one end engageable with one of the radially inwardly extending grooves and a hook shaped portion at its other end to provide a radially inwardly extending section for engaging said second radial groove in said adapter and a tangentially outwardly extending section resiliently depressible into said second radial groove when the adapter is turned clockwise and engageable with said fuse socket to prevent the counterclockwise rotation of said adapter.

2,626,301 BUS DUCT SYSTEM OF POWER DISTRIBUTION

Herman J. Hammerly, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application January 29, 1949, Serial No. 73,570
6 Claims. (Cl. 174-99)



5. In a bus duct system of power distribution, a duct section having a top wall, depending side walls and intumed bottom flanges spaced apart at the lower edges of the side walls, said side walls having inwardly projecting longitudinal indentations located between the top wall and the respective flanges, insulators of inverted U form supported between said side walls on said inwardly projecting indentations, tubular bus bars of trapezoidal cross section partially dovetailed into undercut recesses in opposite inside edges of said insulators and having protruding contact faces spaced apart to receive between them the side contacts of plugs inserted between the spaced apart bottom flanges of the duct section.

2,626,302
CABLE WITH WEAKENED STRIPPING PLANE
Thomas K. Cox, Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1947, Serial No. 773,005
3 Claims. (Cl. 174-113)



1. An electrical cable, which comprises a plurality of individually insulated, bunched-together conductors, and an outermost jacket enclosing the conductors and having a weakened, sealed portion extending along one of said conductors and extending radially toward said one of said conductors from the exterior of said jacket.

2,626,303 PERFORATED RIBBON MOUNTING FOR ELECTRICAL CONDUCTORS

Le Roy J. Link, Reading, Pa.
Application March 16, 1950, Serial No. 150,002
4 Claims. (Cl. 174-117)



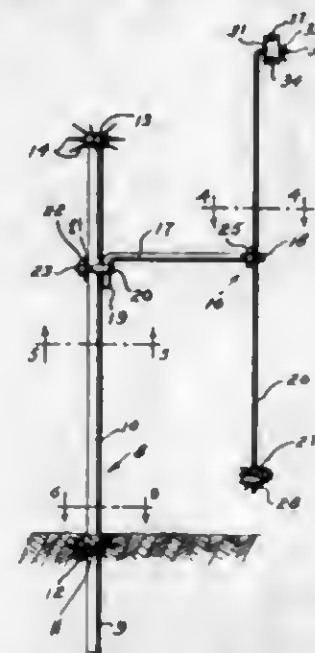
1. A high frequency transmission line comprising a flexible ribbon made up of integrally formed electrically non-conducting material; a pair of electrical conductors embedded in said ribbon with a spacing web being provided with cutaway portions each partially defined by a pointed web section bent to project to one side beyond the transmission line intermediate said pair of electrical conductors.

2,626,304 ELECTRIC FENCE WIRE ATTACHING MEANS

Elmer G. Telecky, Hutchinson, and Edward Habisch, Winsted, Minn.
Application November 8, 1946, Serial No. 708,550
2 Claims. (Cl. 174-161)

1. An electric fence wire supporting an insulating attachment comprising an L-shaped arm, a clamp adapted to connect the inner end of said arm to a fence post or the like in a manner to permit the level of the arm to be regulated according to the discretion of the user and to permit the arm to be otherwise adjusted in respect to the post and ground, the opposite outer end of said arm being screw-threaded and provided with a rod accommodation slot, a complementary rod at right angles to said arm and having its intermediate portion slidably fitted in said slot, a nut carried by the screw threaded portion of said arm and engageable with the adjacent portion of said rod

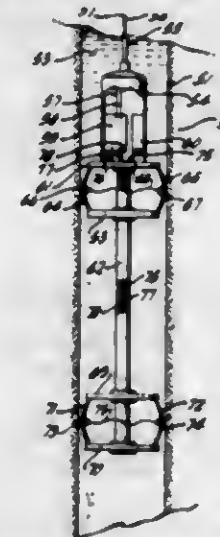
to permit the rod to be adjusted in said slot and then bound and fastened fixedly to the arm, the upper end portion of said rod being laterally bent,



and spool-type wire accommodating and attaching insulators removably mounted on the respective ends of said rod.

2,626,305 ELECTRIC LOGGING WITH OIL BASE DRILLING FLUIDS

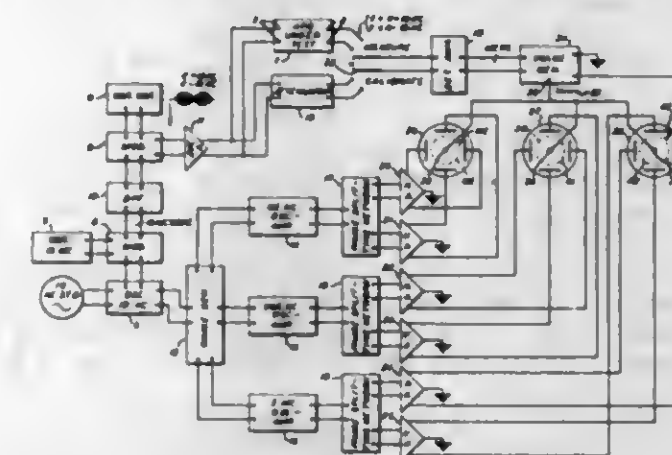
Roland F. Krueger, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application December 12, 1949, Serial No. 132,457
10 Claims. (Cl. 175-182)



1. A method for electrically contacting a portion of a bore hole wherein said portion of said bore hole has been drilled with a drilling fluid which comprises at least about 60% by weight of mineral oils and distillates thereof, between about 1% and about 20% by weight of water, and between about 1% and about 20% by weight of a metallic soap selected from the class consisting of alkali and alkali metal soaps of carboxylic and sulfonic acids having between about 2 and 35 carbon atoms per molecule, which method of contacting comprises establishing a voltage gradient zone throughout a vertical portion of said bore hole, said voltage gradient of said voltage gradient zone being at least about 100 volts per inch, thereby effecting the dielectric breakdown of said drilling fluid in said zone, and passing electrical energy from an electrode disposed in said zone to the section of the wall of said well bore surrounding said zone and thereby establishing electrical contact therewith.

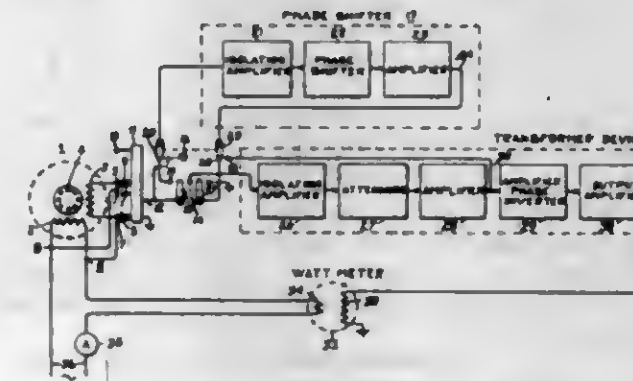
2,626,306 TRANSMISSION DELAY MEASURING SYSTEM

William F. Eicher, Westfield, and Lyle H. Schwartz, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1949, Serial No. 82,846
5 Claims. (Cl. 175-183)



5. In a transmission delay measuring system, a source of standard frequency, a time base comprising a plurality of cathode ray oscilloscopes generating circular patterns rotating at different frequencies under the control of the standard frequency, a source of test currents comprising sideband frequencies of a variable carrier frequency, the sidebands differing in frequency by an interval controlled by the standard frequency, a detector having input and output circuits, means for selectively connecting the source of test currents to the input of the detector independently of or through apparatus to be tested, means for generating pulse potentials from the output of the detector and means for marking the oscilloscope patterns in accordance with the pulse potentials.

2,626,307
MOTOR TESTING DEVICE
Fred W. Suhr, Fort Wayne, Ind., and Martin W. Hellar, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 16, 1951, Serial No. 256,674
16 Claims. (Cl. 175-183)

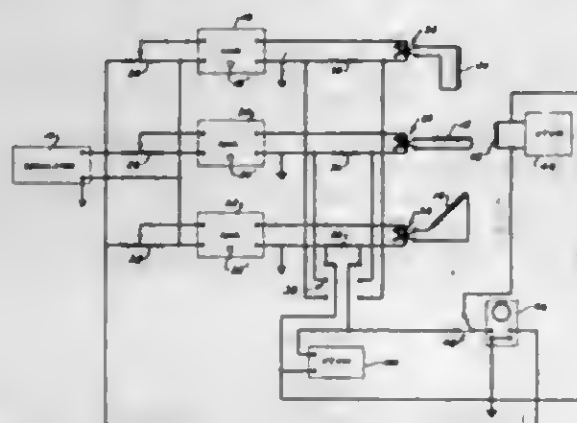


12. A device for testing a single phase alternating current motor comprising phase shifting means arranged to shift the voltage impressed thereon by 90°, voltage transformation means selectively adjustable to increase or decrease the voltage impressed thereon inversely proportional to the ratio turns of the main primary and starting windings of said motor, a wattmeter having its current coil adapted to be connected in series

with said main primary winding of said motor; and switching means having a first position adapted to connect the open circuited starting winding to the input of said phase shifting means and connecting the output of said phase shifting means to the input of said voltage transformation means and the output of voltage transformation means to the potential coil of said wattmeter whereby said wattmeter measures the power output of said motor; said switching means having a second position adapted to connect said open circuited starting winding directly to the input of said voltage transformation means and connecting the output thereof to said potential coil of said wattmeter whereby said wattmeter measures the mutual reactance between said main primary winding and the secondary winding; said switching means having a third position adapted to connect the input of said phase shifting means across said main primary winding and connecting the output of said phase shifting means to said potential coil of said wattmeter whereby said wattmeter measures the reactance of said main primary winding.

2,626,308

METHOD OF MAGNETIC INVESTIGATION
Otto H. Schmitt, Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application August 7, 1944, Serial No. 548,492
2 Claims. (Cl. 175-183)



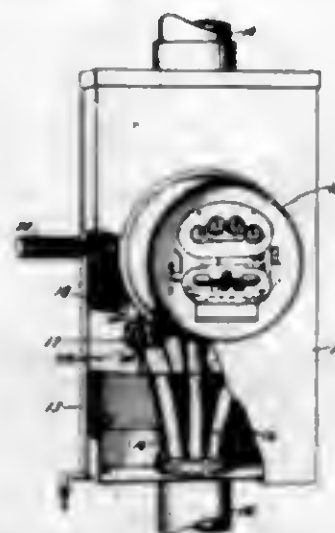
1. The method of investigation of the field of a magnetic body comprising the steps of substituting for said body a vertical coil, a horizontal coil, and a transverse coil each having an axis perpendicular to the others, energizing said coils with alternating currents of known amplitude and frequency, positioning a pickup coil at a point in the fields of said coils magnetically corresponding to a point of known magnetization of said body, measuring the voltage induced in said pickup coil by the fields of said other coils which is proportional to the known magnetization of said body, moving said pickup coil to other positions in the field of said other coils, and measuring voltages at said other points thereby determining the magnetization pattern of said body.

2,626,309

HEAVY-DUTY METER FACILITIES
Richard A. Road and Orville K. Coleman, West Lafayette, Ind., assignors to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application October 1, 1949, Serial No. 119,074
5 Claims. (Cl. 175-223)

1. Electric meter connecting facilities for direct measurement of heavy electrical loads in-

cluding a meter box, an insulative terminal block carried by and within the meter box, connector units carried by said block and each having a saddle type connector clamp for receiving heavy duty service conductors, the jaws of said clamp having concave jaw faces and being thick and sturdy to withstand heavy screw pressure on opposite sides of the wire, and screw-type vise-like clamps having a pair of jaw elements for receiving a blade of the meter, a screw spaced adjacent the blade-receiving portion for cooperating directly with both jaw elements for tightening the jaw elements against the blade, one jaw element of

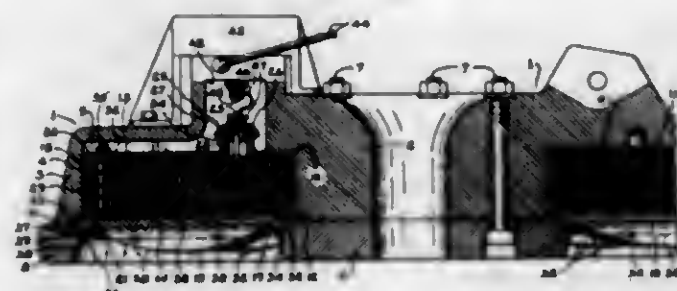


the vise-like clamp being positioned to engage said blade directly and being integrally connected through a conductor portion of heavy cross-section with one element of the saddle clamp, a meter case, a meter unit within said case including a main current-carrying circuit terminating with said blade, said circuit including twin conductor leads each silver-soldered directly to said blade and jointly having a cross-section through most of their length greater than that of the blade, said clamp-gripping said blade close to the case.

2,626,310

LIFTING MAGNET

Howard E. Hodgson, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Continuation of application Serial No. 100,228, June 20, 1949. This application May 18, 1951, Serial No. 227,081
7 Claims. (Cl. 175-367)



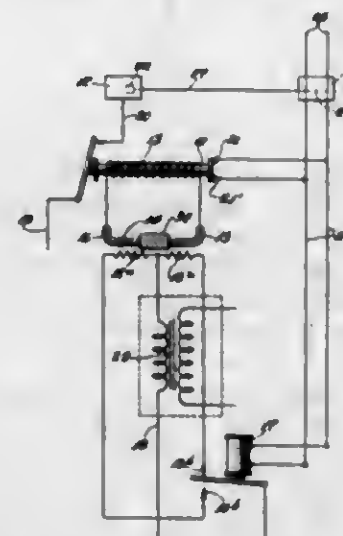
8. In a lifting magnet, the combination with a magnet frame comprising inner and outer pole projections defining an annular coil space open between the outer ends of said projections, pole shoes for said projections and an annular coil shield for closing said coil space along a plane inset from the outer ends of said pole shoes, of a self-contained moisture-proof coil unit of form and dimensions in fully assembled state afford-

ing it a slip fit with said frame for insertion into or removal from the annular coil space of said frame when open, said coil unit comprising a magnetic core member of sleeve form to receive the inner pole projection of said magnet frame, a coil built up on and about said core member with insulation between its turns and a plate metal shell built up on said core member for complete enclosure of said coil except for terminal lead outlets and having continuous welds at its joints including its joints with said core member, said coil unit having at least certain of its plate walls of magnetic metal and after assembly being filled with insulation introduced under pressure and thereafter confined within said unit, the interfit of said unit and said coil recess being so close as to obviate need of packing therebetween, and said magnet frame having its said parts secured together for facility of removal of said coil shield thus to open said coil space for removal of said coil unit.

2,626,311

ELECTRIC SWITCH

William E. Engelhard, North Arlington, N. J.
Application January 17, 1951, Serial No. 206,367
3 Claims. (Cl. 175-375)

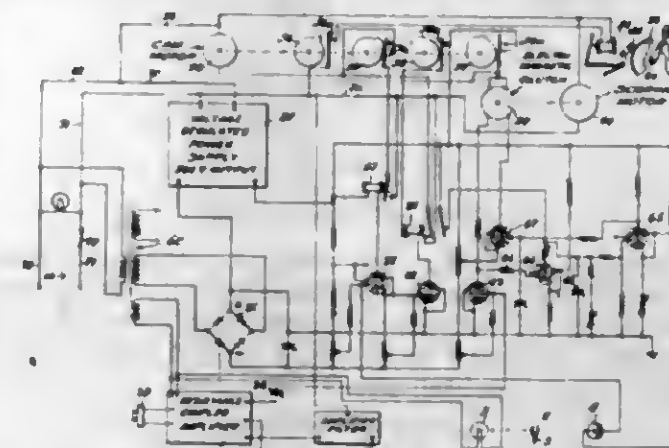


1. A control system for making and breaking the electrical circuit to a device experiencing fluctuations in energy level, which comprises a main switch, an electromagnet for controlling said switch, a current supply connected to said electromagnet for operating said electromagnet in response to a predetermined intensity of current, an auxiliary magnetic coil disposed in the induction field of said electromagnet in bucking or aiding relation thereto in dependence upon the direction of current flow through said coil, a thermocouple having the opposite ends thereof connected to the opposite ends of said magnetic coil, alternately operated heating device in proximity to the opposite ends of said thermocouple to alternately control the direction of current flow through said thermocouple and magnetic coil and thereby to selectively buck or aid the induction effect of said electromagnet, and a relay switch connected to the current supply for said electromagnet adapted to energize the one of said heating devices which gives rise to said bucking induction effect when the electromagnet is supplied by the more intense current and the other of said heating devices which gives rise to said aiding induction effect when the electromagnet is supplied by the less intense current, whereby said auxiliary magnetic coil accelerates the action of said electromagnet in its alternate control of said main switch.

2,626,312

ELECTRICAL SCORING GAME

John T. Clark, Cicero, and Oliver J. Schommer, Melrose Park, Ill.; said Schommer assignor to said Clark
Application November 29, 1948, Serial No. 62,573
5 Claims. (Cl. 175-381)



5. In combination in a scoring mechanism, a player's station, a target, a scoring means, a first electric impulse-generating means operatively associated with the player's station, and a second electric impulse-generating means operatively associated with said target, an electric network operatively connecting the scoring means and the first and second electric impulse-generating means, said electric network including a condenser, charging means therefor, and a discharge timing circuit for said condenser, means for placing a predetermined charge on said condenser, said first electric impulse-generating means including means responsive to the projection of a ball from said player's station to transmit from said first electric impulse-generating means an electric impulse within said electric network, means in said electric network operative in response to said electric impulse to initiate discharge of said condenser through said condenser discharge timing circuit, said second electric impulse-generating means including means responsive to the impact of a ball on said target to transmit from said second electric impulse-generating means a second electric impulse within said electric network, means responsive to said second electric impulse to terminate the discharge of the condenser through said condenser discharge timing circuit and simultaneously to initiate operation of said scoring means and means for terminating operation of said scoring means after an interval of time, the duration of which is a function of the charge remaining in the condenser.

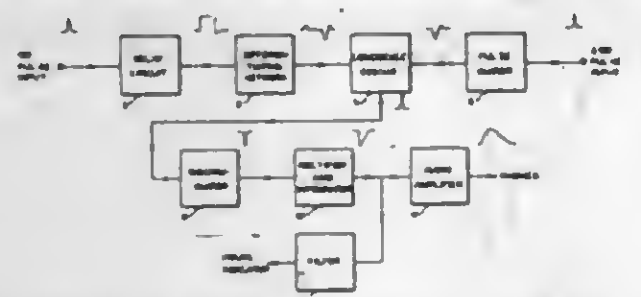
2,626,313

APPARATUS FOR DETERMINING TIME INTERVALS

Seymour Napolin, New York, N. Y., assignor to the United States of America as represented by the Secretary of War
Application March 26, 1945, Serial No. 585,003
8 Claims. (Cl. 175-381)
(Granted under Title 35, U. S. Code (1952), sec. 286)

1. Apparatus for determining the time intervening the reception of pulses of electromagnetic energy emanating, in continuous series, from separate synchronized sources, comprising: means for generating a square-wave voltage under the control of the pulses received from one of said synchronized sources; means for deriving delayed pulses from said square-wave voltage, the delay being proportional to the duration of said square-

wave; means for adjusting the width of said square-wave voltage until said delayed pulses are brought into coincidence with the pulses received from the other of said synchronized sources;



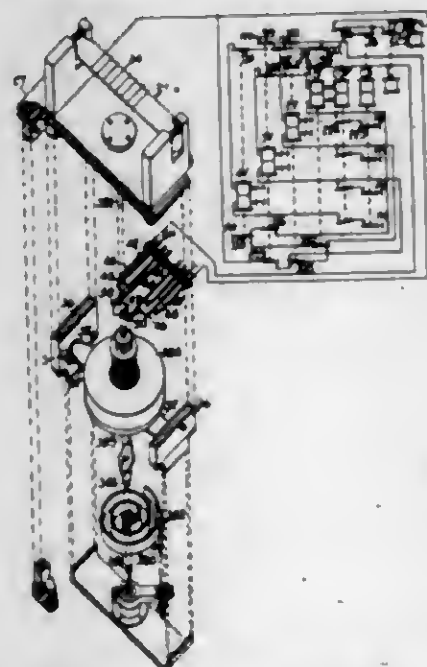
and means utilizing the output resulting from said coincidence for indicating aurally when said coincidence is attained approximately, and for indicating visually when said coincidence is attained more accurately.

2,626,314

CODE COMMUNICATION SYSTEM

Nelson B. Coley, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 3, 1951, Serial No. 240,086
15 Claims. (Cl. 340-163)



1. A two-way code communication system for at times transmitting control codes from a control office station to a field station and at other times transmitting indication codes from the field station to the control office station comprising in combination, a line circuit connecting the two stations, an oscillatory timing device at each of the stations having a torsional pendulum spring biased to a center position with respect to rotation, said timing device having two distinct groups of contacts which are actuated alternately as the pendulum rotates through its center position, and said timing device having a normally energized electromagnet effective when energized to attract and retain said pendulum in a rotated position displaced from said center position, a single bank of normally energized stepping relays at each station effective to successively deenergize its relays respectively in response to the successive actuations of the respective groups of contacts of the timing device at the associated station, initiating means at each station for initiating said code communication system into a cycle of operation for transmission of a selected code from that station over the line circuit, said initiating means being

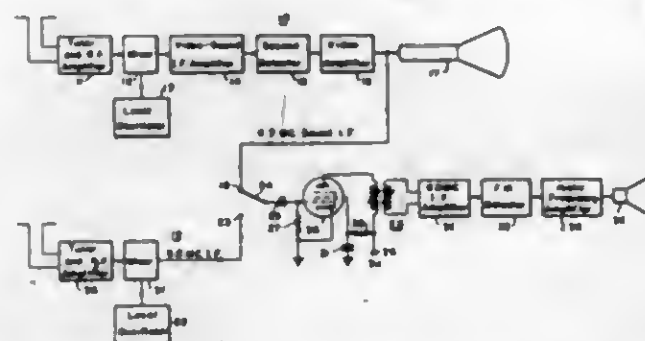
effective to deenergize said timing device at each station and thereby cause operation of the respective stepping banks irrespective of which station is transmitting, code transmitting means at each of the stations effective in response to said initiating means at that station to transmit a selected code over said line circuit during the respective steps of said stepping bank, and code receiving means at each of the stations actuated only in response to code pulses transmitted over said line circuit from the other station.

2,626,315

COMBINATION RADIO AND TELEVISION RECEIVER

Kenneth E. Farr, Paxinos, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 8, 1950, Serial No. 183,727
6 Claims. (Cl. 178-5.8)



6. A television and frequency modulation broadcast receiving system comprising a super-heterodyne, television receiver having an inter-carrier, frequency modulated, sound intermediate frequency, a super-heterodyne, frequency modulation broadcast receiver having an intermediate frequency which is a multiple of said inter-carrier, intermediate frequency, an intermediate frequency amplifier tube having an output circuit tuned to said intermediate frequency of said broadcast receiver, and having an input circuit, means for biasing said tube to operate on a non-linear portion of its characteristic curve so as to generate harmonics of signals applied to said input circuit, a frequency modulation detector connected to said output circuit, an audio-frequency amplifier connected to said detector, a sound reproducer connected to said audio-frequency amplifier, and switching means for connecting said input circuit to said television receiver or alternatively to said broadcast receiver.

2,626,316

MICROWAVE SLOT COUPLING

John E. Gibson, Washington, D. C.

Application October 25, 1945, Serial No. 624,819
5 Claims. (Cl. 178-44)

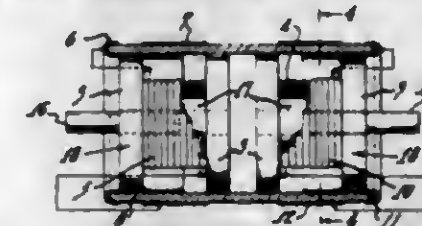
(Granted under Title 35, U. S. Code (1952),
sec. 266)



2. In combination, a plurality of conducting wall members arranged to constitute a plurality of nested energy containing sections of which at least two have a common wall member, said two sections having said common wall member being

so oriented that the directions of current flow along the surfaces of said common wall member in said two sections are parallel, a means coupling energy from one of said two sections into the other of said two sections comprising a slot cut in said common wall member transverse to said directions of current flow, said slot being, in width a fractional part of a wavelength at the frequency of said energy and, in length less than a half wavelength at said frequency, a pair of conducting parallel plates, one of said plates being fixed on said common wall member at the physical midpoint of said slot, said plates having a width greater than that of said slot and a length less than that of said slot, said one plate having its midsection removed to form an aperture coincident with but of smaller width than said slot, and means for moving said other plate axially toward and away from said first plate.

tending beyond said coil a substantial distance to form a part of a magnetic circuit enclosing all of the turns of said coil, and an auxiliary high permeability magnetic core slidably mounted in said hollow body portion to vary the inductance of said inductance element, said auxiliary core having higher permeability than



said body portion, and an electrostatic shielding structure for said inductance structure comprising a pair of concentric spaced capacitor electrodes, the inner one of said concentric capacitor electrodes surrounding and engaging at least one of the flanges of said inductance structure.

2,626,317

RADIO-FREQUENCY FILTER

William A. R. Malm, New Orleans, La.

Application July 8, 1946, Serial No. 661,947
3 Claims. (Cl. 178-44)
(Granted under Title 35, U. S. Code (1952),
sec. 266)



1. In a radio frequency filter, a flat single spiral inductance coil winding from its innermost turn toward its outermost turn in a certain direction and closely coupled to a second flat single spiral inductance coil winding from its innermost turn toward its outermost turn in a direction opposite to that in which the first spiral coil is wound, the special relation of said spiral coils being such that each successive turn of one spiral coil lies closely adjacent to and almost but not parallel with each successive turn of the other spiral coil, said coils being series connected at their innermost turn adjacent to an iron content core; a grounded and split metallic band closely circumscribing the said spiral inductance coils at their outermost turns, and a dielectric element interposed between the wire turns of said spiral inductance coils and said grounded metallic band.

2,626,318

RADIO-FREQUENCY TRANSFORMER AND INDUCTANCE ELEMENT THEREFOR

Alton J. Torre, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 4, 1947, Serial No. 777,941
8 Claims. (Cl. 178-44)

1. In a high-Q radio-frequency electrical inductance structure a high permeability magnetic core having a hollow narrow body portion and two spaced flanges integral therewith extending outwardly from the body portion, and an elongated-insulated conductor random wound directly on said body portion against and between said flanges to form a coil, said flanges ex-

1. A communication set including a first single side band transmitter designed to operate at a frequency F1 and to transmit a side band only at said frequency F1, a second single side band transmitter designed to operate at a frequency F2 which differs from the frequency F1 and to transmit a side band only at said frequency F2, a first receiver designed to operate at said frequency F2, a second receiver designed to operate at said frequency F2, standby connections enabling receiver F1 and transmitter F2 and disabling receiver F2 and transmitter F1, and connections responsive to a locally generated signal for disabling receiver F1 and transmitter F2 and for enabling receiver F2 and transmitter F1.

2,626,320

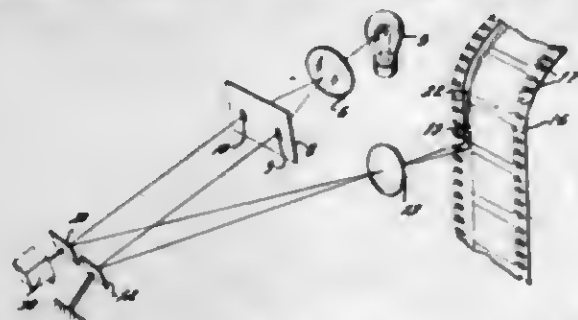
SOUND RECORDING AND REPRODUCTION

Gustav Bergson, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application July 27, 1949, Serial No. 107,034
7 Claims. (Cl. 179-100.3)

1. A sound recording system comprising means for producing a plurality of light beams, a film having a light sensitive emulsion thereon, and means for projecting said beams to said emulsion, said last mentioned means including means for

varying the separation of said beams on said emulsion in accordance with the amplitude and frequency of a signal being recorded, and said first mentioned means including a mask with a



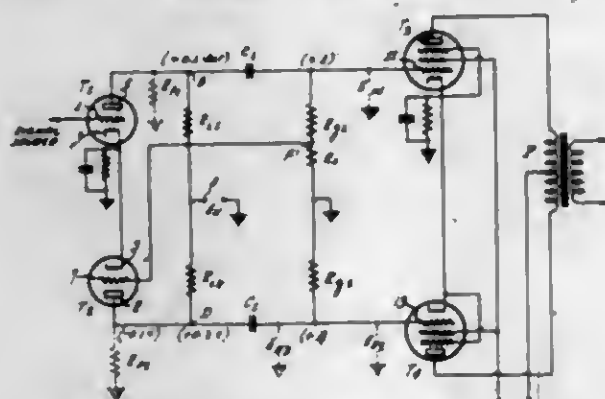
V-shaped aperture therein and a mask with a straight slit therein on which light from said aperture is projected to provide on a print two transparent traces narrow with respect to the opaque portion of said emulsion.

2,626,321

PHASE INVERTER CIRCUITS

Wen Yuan Fan, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 29, 1948, Serial No. 30,017
4 Claims. (Cl. 179-171)

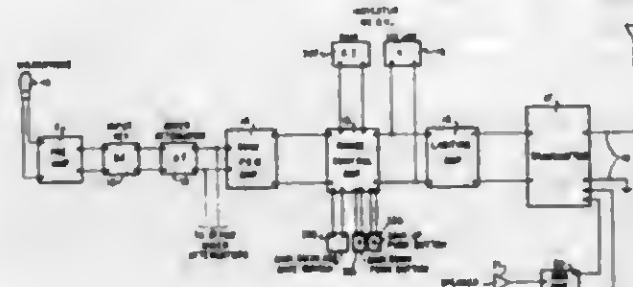


1. In an amplifier phase inverter system having a single sided signal input and a divided output circuit, first and second thermionic devices each having a control electrode, an anode and a cathode, a power source having a point of high positive potential for supplying direct current with a fluctuating voltage component to said anodes, said first device having its input electrode connected to said single sided input circuit and its output electrode to one side of said divided output circuit, a shunt potential divider in said one side having a relatively low potential point between a high resistance section R_1 and a low resistance section R_2 , said portions having a ratio such that the sum of R_1 and R_2 to R_2 substantially equals the amplification factor of said second device, said second device having its input electrode connected to said point in said potential divider in said one side of said divided output circuit for picking up amplified signal voltage and a portion of the fluctuating component, which component appears at the anode of said second device in opposite phase and at a voltage substantially equal to that on the anode of said first device, first and second impedance elements connecting the anodes of said first and second devices, respectively, to said power source point, said second element being smaller in impedance than said first element in a ratio to impress substantially twice the fluctuating component on the anode of said second device to produce resultant fluctuating components of substantially like magnitude and phase on both sides of said divided output circuit.

2,626,322
SIGNAL-OPERATED VARIABLE-GAIN AMPLIFYING SYSTEM

Leon H. Appleman, Waco, Tex., assignor to Mason, Kolehmainen, Rathburn & Wyss, Chicago, Ill., a partnership

Application March 8, 1946, Serial No. 652,913
46 Claims. (Cl. 179-171)



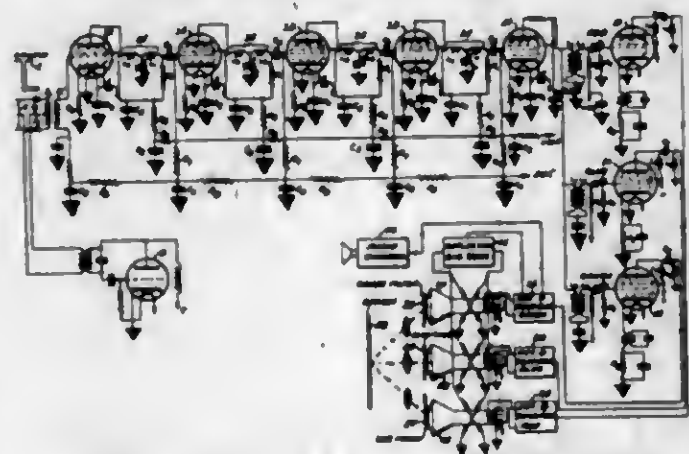
6. In a signaling system, an audio frequency signal channel including variable gain amplifying means, a signal responsive gain control means for controlling said amplifying means to maintain the signal output level of said amplifying means within predetermined upper and lower limits during signal transmission through said channel, and means included in said gain control means for preventing any appreciable change in the gain setting of said amplifying means during off-signal periods.

2,626,323

AMPLIFIER CIRCUIT FOR COLOR TELEVISION

George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 11, 1947, Serial No. 760,400
5 Claims. (Cl. 179-171)



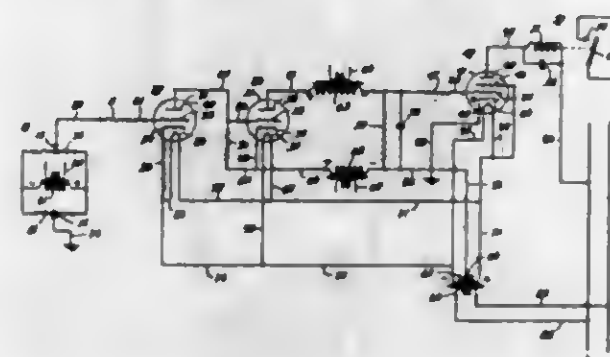
2. An intermediate frequency amplifier for a color television receiving system of the type employing a composite signal train having a plurality of designated adjacent frequency bands and wherein each of the designated adjacent frequency bands include signals representative of one different selected component color image, said intermediate frequency amplifier comprising in combination a signal amplifier for said composite signal train said amplifier having greater signal gain in the frequency spectrum adjacent the extremities of said designated adjacent frequency bands than the signal gain in the middle of each of said designated adjacent frequency bands, an output circuit for said amplifier and a plurality of additional signal amplifiers each having an input circuit connected to said output circuit and each of said additional ampli-

liers responsive only to one different of said frequency bands, and wherein each of said additional signal amplifiers has a greater signal gain over the frequency spectrum intermediate the extremities of said designated adjacent frequency bands than the signal gain near the extremities of each of said designated adjacent frequency bands.

2,626,324

ELECTRONIC ALTERNATING CURRENT AMPLIFIER

David L. Markusen, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 31, 1947, Serial No. 783,265
8 Claims. (Cl. 179-171)



5. In combination: a plurality of electronic discharge devices each having an anode, a cathode, and a control electrode; a plurality of sources of alternating voltage supplies; a reference point; circuit means connecting the anode of one of said discharge devices to the control electrode of the second of said discharge devices; a resistor; circuit means connecting said resistor between the control electrode and the cathode of said second of said discharge devices; circuit means connecting one of said voltage sources between said reference point and the cathode of said second of said discharge devices; a load circuit, comprising a third of said discharge devices having an anode, a cathode, and a control electrode, and a condenser and a resistor connected in parallel between the control electrode and the cathode of the third of said discharge devices; circuit means connecting the cathode of the third of said discharge devices to said reference point; and circuit means connecting a second of said voltage sources between the anode of said second of said discharge devices and said load circuit.

2,626,325

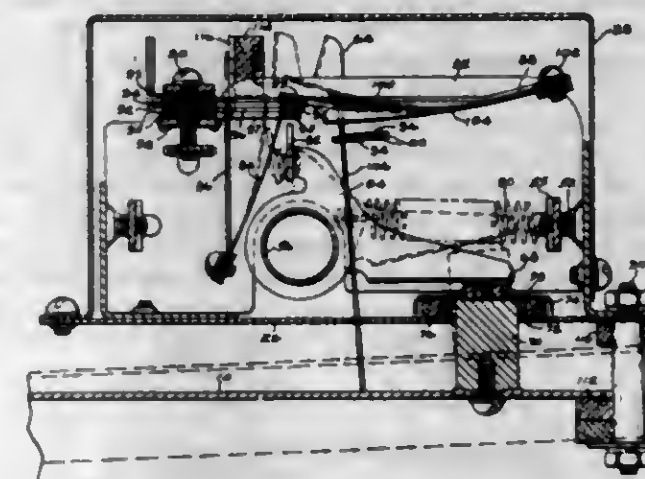
PEDAL CLAVIER SWITCH MECHANISM

Laurens Hammond, Chicago, and George H. Stephens, Glencoe, Ill., assignors to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware

Application November 2, 1949, Serial No. 125,166
4 Claims. (Cl. 200-5)

1. In a switch mechanism for a pedal clavier comprising a plurality of pedals, a rock shaft, a plurality of bell cranks secured to the rock shaft and each having an arm thereof forming a uni-directional driving connection between one of the pedals and the shaft, a spring to rotate the shaft in a direction opposite to that in which it may be rotated by the depression of a pedal, a switch including a resilient arm for each pedal, an actuator and a spring forming a resilient lost-motion connection between each pedal and its associated switch arm, a resilient latch for each switch to

hold it in operated condition, means on the other arm of each bell crank to release its associated



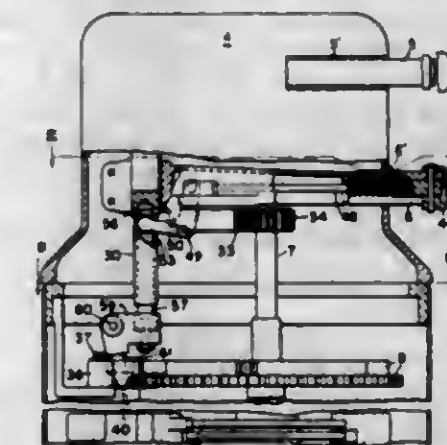
latch, and means forming part of each switch for preventing operation of its associated latch.

2,626,326

MASTER CONTROLLER

Cyril E. Baston, Glenshaw, and Henry M. Futral, Wilkensburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 2, 1950, Serial No. 188,002
4 Claims. (Cl. 200-18)



1. A controller-drum having a plurality of different contact-controlling means, disposed in a plurality of positions extending around at least about half of the periphery of the drum; a drum-shaft fixed to said drum; a notch-plate and a cooperating latch-member associated with said drum-shaft, one being carried by the drum-shaft and the other being stationarily supported without freedom of rotation about the drum-shaft, said notch-plate having the same arcuate extent as the drum, and having a plurality of notches corresponding to a plurality of different contact-controlling positions of said drum; an arcuately movable controller-handle having a smaller range of movement than said controller-drum; a speed-multiplying drive-connection between said controller-handle and said drum-shaft; a latch-operating member carried by the grip of said controller-handle; and means for effecting a movement of said latch-member in response to a movement of said latch-operating member.

2,626,327

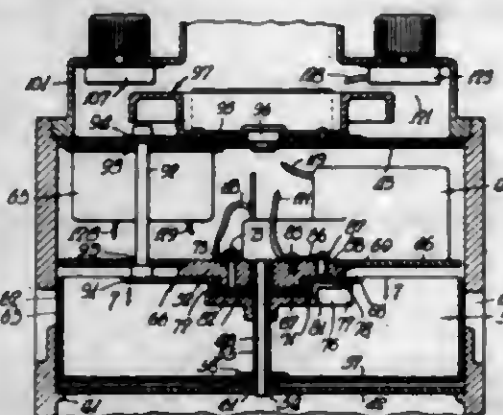
RADIO-CLOCK-LAMP COMBINATION

Burdette B. Gilmore, Pelham Manor, N. Y.

Application August 1, 1950, Serial No. 176,950
5 Claims. (Cl. 200-36)

1. An article of the character described comprising an elongated hollow casing, a supporting

plate in said casing lying in a plane at right angles to the axis of said casing, an insulating block mounted on said supporting plate, said block having an axial bore therethrough, a clock motor mounted on said plate having an arbor extending through said bore, a drum mounted on said arbor, said drum having an annular face extending parallel to the wall of said casing, a plurality of sets of time indicators on said face, said casing having apertures in the wall thereof, each of said apertures being associated respectively with one of said sets of time indicators, a gear rotatably

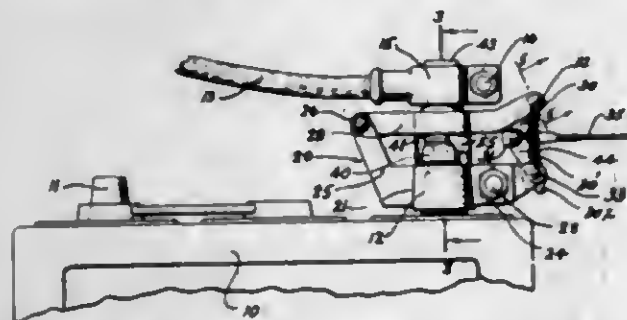


mounted on said block, a contact plate mounted on said block coaxial with said gear, insulating means spacing said contact plate from said gear, an insulated disk coaxial with said plate and rotatable with respect thereto by said motor, said disk having a diameter greater than that of said plate, and a contact arm carried by said gear, electrically connected thereto, and resiliently urged against the periphery of said disk, said disk having a notch in the periphery thereof, whereby when said disk is rotated to move said notch into alignment with said contact arm, the latter will enter said notch and engage said contact disk.

2,626,328

SAFETY SWITCH

Alfred M. Lessard, Snoqualmie, Wash.
Application July 18, 1950, Serial No. 174,396
1 Claim. (Cl. 200—51)



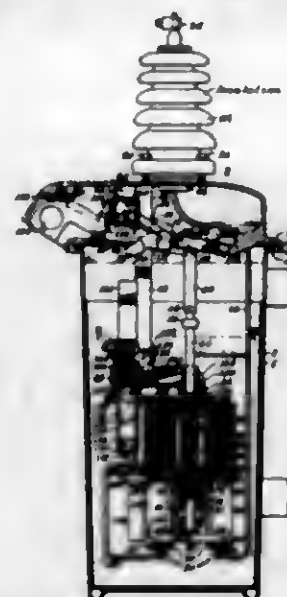
A switch of the character described comprising a mounting bar electrically conductive material formed on its under side with a downwardly opening socket adapted to receive therein the terminal post of a typical automobile battery; and having a contact boss integral therewith on its top side, intermediate its ends, a switch lever of electrically conductive material, disposed above and extending along the said mounting bar and having an insulated, hinged connection at one end with the corresponding end of the bar and having a contact boss on its under side adapted to be engaged with and disengaged from the contact boss on the mounting bar to make and break a circuit connection, by hinging action of said lever, and having a terminal post formed thereon corresponding in size and shape to the battery post for which the mounting bar socket is designed to receive, spring means joining the mounting

bar and lever to urge the contact bosses thereon together, and a linkage joining the bar and lever and operable to move them apart to disengage the contact bosses.

2,626,329

CIRCUIT INTERRUPTER

James M. Wallace, East McKeesport, Andrew W. Edwards, Pittsburgh, and Joseph K. Kraft, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1946, Serial No. 719,524
20 Claims. (Cl. 200—89)



1. An automatic reclosing circuit breaker comprising, separable contacts, means having a movable part for causing separation of said contacts to interrupt the circuit in response to a predetermined circuit condition, said contacts being biased closed to automatically reclose the circuit after a circuit interrupting operation, said part being movable relative to said contacts a predetermined amount before causing contact separation, dashpot means for delaying movement of said part in both directions, said dashpot means having means for restricting the flow of fluid therefrom throughout the major portion of the movement of said part and means responsive to movement of said part for always venting said dashpot means only when said part arrives at points adjacent to but in advance of the ends of its movement in both directions, whereby the major part of the movement of said part in both directions is delayed by said dashpot means but the final part of its movement is not delayed and occurs relatively rapidly.

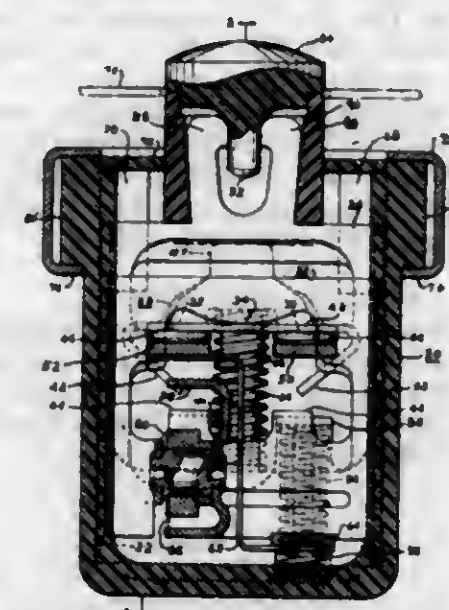
2,626,330

ELECTRICAL APPARATUS

Marshall C. Harrold, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 5, 1948, Serial No. 25,157
9 Claims. (Cl. 200—116)

1. An electric circuit protector including a guide means, a contact breaker means having a support arrangement guided in a predetermined path by said guide means, a stationary contact means constituting with the breaker means a switch mechanism, a spring means for moving said contact breaker means with its support guided in a predetermined path by said guide means, an electrical current responsive holding means for restraining said support from movement under safe current conditions and for re-

leasing said support for movement under the guidance of said guide means under the force of said spring means, stop means located in the path of movement of a portion of the contact breaker means eccentric to said support and offset from



said predetermined path for causing a pivotal movement from closed to open circuit position of the contact breaker means about the stop means upon engagement therebetween, said contact breaker means being provided with manual reset means.

2,626,331

ARC QUENCHING DEVICE FOR ELECTRIC CONTACTORS

Robert T. Bassett, Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1949, Serial No. 124,388
5 Claims. (Cl. 200—144)



1. With a current-interrupting device having a stationary contact and a movable contact engageable with each other, in combination, an arc quenching stack of mutually spaced and individually recessed grid plates of conductive material insulated from said contacts and straddling the path of said movable contact, each of said plates having two substantially parallel leg portions at opposite sides respectively of said path, at least two lobes projecting between the bases of said respective leg portions toward said path, said lobes defining respective intermediate notches receding from said path between said respective lobes and between each leg portion and the adjacent lobe.

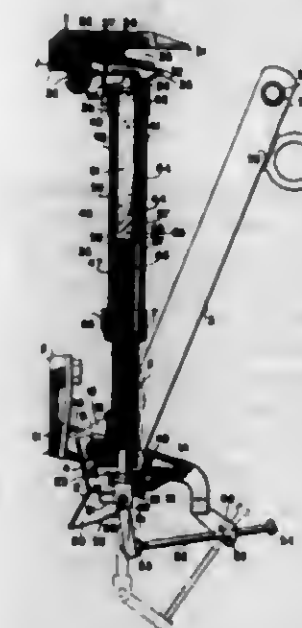
2,626,332

ELECTRICAL SWITCH

Ralph H. Earle, Wauwatosa, Joseph F. Kusela, Milwaukee, and William O. Schultz, Marshfield, Wis., assignors to McGraw Electric Company, Milwaukee, Wis., a corporation of Delaware
Application July 27, 1950, Serial No. 176,196
13 Claims. (Cl. 200—146)

1. A load break switch including in combination a pair of stationary terminals, an expulsion

tube open at each end and hingedly mounted on one terminal, a pair of arcing contacts therein, one of which is in fixed position and the other of which is movable in the tube, an insulating follower plug affixed to said movable arcing contact and of substantially identical cross-section as that of said movable arcing contact, the cross-sectional dimension of said follower plug and said moving arcing contact being less than and in eccentric relationship to the bore diameter of said expulsion tube providing a constricted portion located substantially where the arcing contacts are electrically connected and a relatively spacious arc expulsion passage oppositely posi-

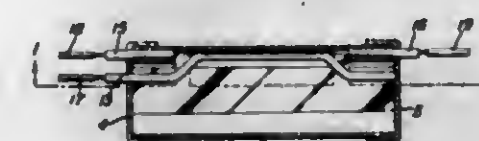


tioned from said restricted portion, a plunger slidable in said tube and actuating said movable arcing contact, said movable contact being normally engaged with said fixed contact, an insulating latch member of said plunger normally extending from said tube and latched to the other of said terminals, a latch interposed between said hinge and said plunger, spring means biasing said plunger to separate said contacts and release said insulating latch member, a resilient contact on said other terminal electrically connected to said fixed contact, and means for manually releasing said plunger, said tube biased for swinging motion on said hinge.

2,626,333

MERCURY SWITCH

Gabriel J. Denning, Hoxie, Kans.
Application October 30, 1950, Serial No. 192,997
3 Claims. (Cl. 200—152)

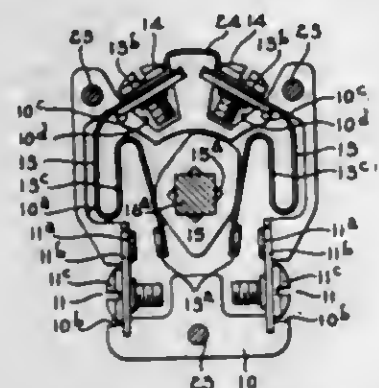


3. A mercury switch comprising a tubular container, a central contact and a pair of end contacts mounted in said container, said contacts being in alignment with one another and being laterally offset from the axis of the container, said contacts being spaced from one another, a lead in electrode connected to said central contact and an electrode connected to each of the end contacts.

2,626,334

ELECTRIC SWITCH

Martin F. Koenig, Milwaukee, Wis., assignor to
Cutler-Hammer, Inc., Milwaukee, Wis., a cor-
poration of Delaware
Application January 3, 1950, Serial No. 136,570
5 Claims. (Cl. 200-153)

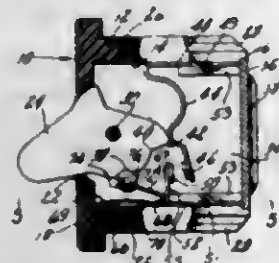


5. An A. C. rotary electric switch comprising in combination, at least one wafer type switch unit comprising an insulating switch housing, a stationary contact within said housing, a movable contact for cooperation with said stationary contact, a resilient contactor within said housing having one end anchored thereto and also having a free end carrying said movable contact and a double reflexed intermediate portion inherently biasing said movable contact out of engagement with said stationary contact, means engageable with the free end of said contactor for movement of said movable contact into engagement with its stationary contact as a stop and thereafter compressing said reflexed intermediate portion in accordion fashion to maintain positive and constant pressure between said contacts, switch operating means connected to said last mentioned means, and means affording attachment at will of other similar wafer type switch units including connections affording operation of such additional wafer units by said aforementioned switch operating means.

2,626,335

ELECTRIC SWITCH

Carl Arthur Landin, West Hartford, Conn., as-
signor to The Hart Manufacturing Company,
Hartford, Conn., a corporation of Connecticut
Application October 18, 1950, Serial No. 190,850
1 Claim. (Cl. 200-153)



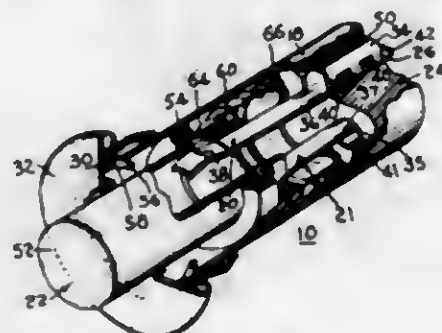
A switch comprising a casing having a front wall and longitudinal side walls defining an interior cavity extending inwardly from one end thereof, relatively movable contacts and supporting members therefor mounted within said cavity, one of said supporting members cooperating with said front wall to form a seat therebetween on the interior surface of one of the longitudinal walls, a switch actuating lever pivotally supported by said casing and having one end extending into said cavity and provided with a plurality of notches in the edge of said end of said lever arcuately spaced in accordance with the several positions of said lever, and resilient

detent means cooperating with said lever releasably to retain said lever in said several positions, said detent means comprising a V-shaped spring having one leg resting within the seat with its apex engaging with said one contact supporting member and having the other leg extending at an angle to the seat to engage said lever to resiliently retain said one leg within said seat, and a roller carried by said outer end of the other leg of said spring automatically engageable with one of said notches when said lever is selectively moved to said positions thereof.

2,626,336

SWITCH ASSEMBLY

Ralph H. Chute, Quincy, Mass., assignor to
United-Carr Fastener Corporation, Cambridge,
Mass., a corporation of Massachusetts
Application September 8, 1950, Serial No. 183,784
6 Claims. (Cl. 200-159)

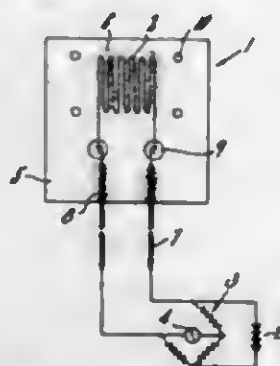


1. In an electric switch assembly, comprising a hollow switch housing having a base at one end with a pair of spaced apertures extending therethrough and switch operating means at the other end including contact shorting means; a pair of connector members assembled with the housing, each comprising a female connecting portion disposed in one of the apertures in the base and extending longitudinally therethrough, and a cantilever arm integral with the connecting portion and extending therefrom into the switch housing, said cantilever arms being spaced in the housing so that a circuit may be completed therebetween by said shorting means.

2,626,337

MEASURING DEVICE

Louis O. Mitchell, Arlington, Mass., assignor to
Trans-Sonics, Inc., Bedford, Mass., a corpora-
tion of Massachusetts
Application August 24, 1949, Serial No. 112,009
7 Claims. (Cl. 201-63)



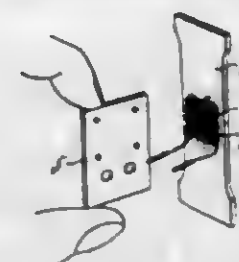
1. The method of applying to a body a measuring device of the type having an electrical resistance element embedded in insulating cement and bonded to a supporting member comprising the steps of coating the body with an insulating cement, placing the measuring device against the body so that the embedded resist-

ance element is in contact with the cement coating, permitting the coating to harden to retain the resistance element in position and then dissolving the bond between the embedded resistance element and the supporting member so that the supporting member may be removed from the located resistance element.

2,626,338

MEASURING DEVICE

Louis O. Mitchell, Arlington, Mass., assignor to
Trans-Sonics, Inc., Bedford, Mass.
Application May 8, 1952, Serial No. 286,686
5 Claims. (Cl. 201-63)



1. The method of applying to a body a measuring device of the type having an electrical resistance element embedded in insulating cement and bonded to a supporting member comprising the steps of coating the body with an insulating cement, placing the measuring device against the body so that the embedded resistance element is in contact with the cement coating, permitting the coating to harden to retain the resistance element in position and then softening the bond between the embedded resistance element and the supporting member by heat so that the supporting member may be removed from the located resistance element.

2,626,339

WELDING ROD

Rene D. Wasserman, Stamford, Conn.
No Drawing. Application June 2, 1950,
Serial No. 165,869
2 Claims. (Cl. 219-8)

1. A welding rod designed particularly for the welding of copper and high copper alloys, said rod containing between 50 and 100% nickel and the remainder, if any, copper, said rod having a coating which consists of 20 to 60% of a heavy metal fluoride, 15 to 45% of a heavy metal carbonate, 5 to 15% carbonaceous material, and, as a binder, 12½ to 22½% solution of silicate of at least one of the metals of the group consisting of sodium and potassium.

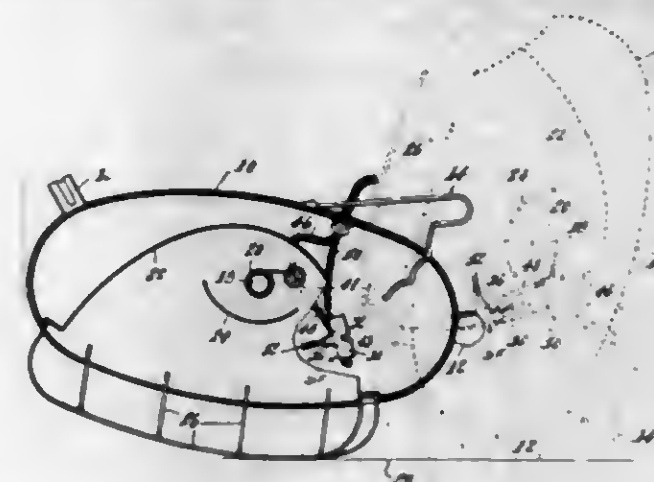
2,626,340

SAFETY FUSE FOR ROOM HEATERS AND THE LIKE

Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application February 11, 1948, Serial No. 7,550
2 Claims. (Cl. 219-34)

1. In a safety device for room heaters and the like, a pair of fuse links soldered together under tension whereby they will separate upon the solder melting, said safety device remaining soldered at normal temperatures when the room heater operates in the normal manner and being located in the open face of the heater so that the temperature attained within a few minutes after the heater tips forwardly on its open face due to heat reflected back from the surface on which

the heater is tipped melts the solder and thereby permits separation of said fuse links, said fuse

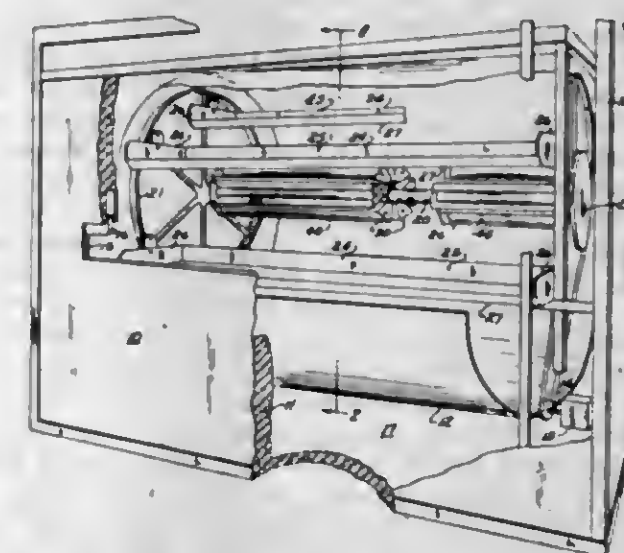


links being connected in series with the heating element of said room heater.

2,626,341

BAKER'S OVEN

Robert Bolling, Lakewood, Ohio
Application September 16, 1949, Serial No. 131,735
1 Claim. (Cl. 219-35)

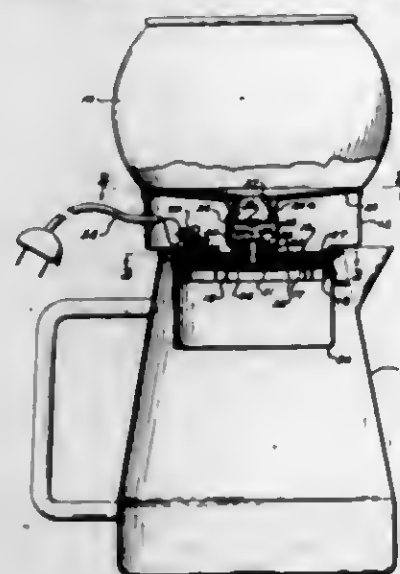


A reel oven comprising in combination, a chamber, a rotating reel including a central axle and spaced end-wheels mounted within the said chamber, each of the said end-wheels having inwardly extending pivot-pins spaced around the periphery thereof, with their axes parallel to the said axle, the centers of the pivot-pins of one wheel being aligned with the centers of the correspondingly positioned pivot-pins of the opposite wheel; a plurality of baking trays suspended on and between the said paired pivot-pins parallel to the said axle, the said trays being free to turn on their respective pivot-pins under the action of gravity as the reel rotates; a plurality of longitudinally extending parabolic reflectors disposed axially and circumferentially on said axle, each of the said reflectors having a radiant heating element located at the focal point thereof, the focal point of each reflector being fixedly aligned with the projected center-line extending between the paired pivot-pins of the tray suspended immediately in front of it; and means for delivering electric current to the said radiant heaters during rotation of the reel.

2,626,342

COFFEE MAKER

Earl M. Miller, Euclid, Ohio, assignor to Max Freedman, Cleveland Ohio
Application May 20, 1947, Serial No. 749,219
11 Claims. (Cl. 219-43)

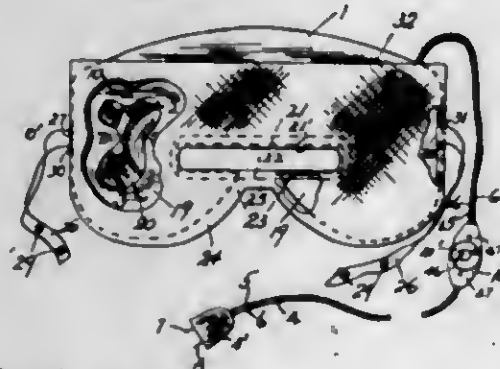


3. In a coffee maker of the metered flow type, the combination of an electric heating element, a heat conducting means supporting and enclosing the element comprising a housing structure, the under side surface of which serves as a heat transfer surface, said housing structure having an upper wall provided with a central opening, a centrally located annular wall structure comprising part of the housing structure and so arranged as to provide a central cavity upwardly exposed, there being a water passageway between the upwardly exposed cavity and the under heat transferring surface of the housing structure, said housing structure having an annular flange extending upwardly from the region of the heating element locus to serve as a retainer for the bottom of a cold water receptacle, a cold water receptacle having the bottom of the side wall thereof cylindrical to telescope into the annular flange of the housing structure and the cold water receptacle bottom wall having a centrally located depression formed therein to extend downwardly into the upwardly exposed central cavity of the housing structure and which is provided with a cold water metering orifice disposed within the said upwardly exposed housing cavity when the cold water receptacle is placed upon the top of the housing structure.

2,626,343

SINUS AND FACIAL MASK

Mortimer A. Fogel, Hewlett, N. Y., and Irve Rubin, Norwalk, Conn.
Application August 14, 1948, Serial No. 44,374
1 Claim. (Cl. 219-46)



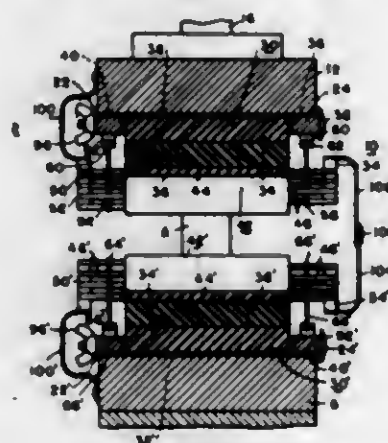
A facial mask and removable cover, comprising a heating member having electric heating ele-

ments and a plug-in cord for supplying electric current thereto and a slot for the eyes, ends spaced apart at each side of the nose, ties secured at and to each side of said heating member, a removable cover substantially surrounding said heating member, having a slot conforming to the slot for the eyes in said heating member, both parts, the front and back, being united around the slot, and a bridge over the nose, said cover being open at the top for the heating member and plug-in cord to freely enter and through which said heating member and cord may freely pass as when being withdrawn from the confines of the cover, said heating member projecting above the edges at the open top of said cover.

2,626,344

APPARATUS FOR DIELECTRICALLY HEATING IRREGULARLY SHAPED OBJECTS UNDER PRESSURE

Edward M. Wharff, Jr., Ellicott City, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1950, Serial No. 144,054
22 Claims. (Cl. 219-47)

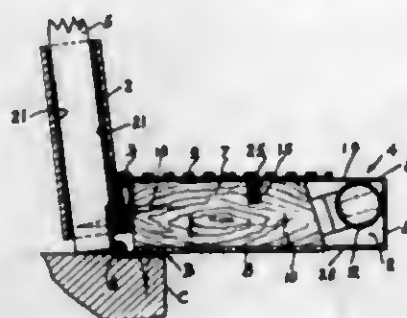


16. A platen suitable for dielectric heating, comprising in combination, a base-plate, a heating-electrode die-structure comprising a deformable rubber mat, fastener means holding said die-structure to said base-plate, and shaping means comprising a rigid member interposed between the end portions of said mat and the base-plate and deforming said mat.

2,626,345

LAMP TO ILLUMINATE THE KEYBOARD AND MUSIC RACK OF ORGANS

Walter L. Caldwell and Samuel G. Bowman, Pittsburgh, Pa.
Application January 29, 1952, Serial No. 268,806
2 Claims. (Cl. 240-4)



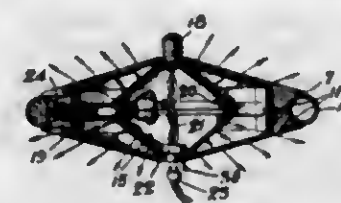
1. An illuminating device for an organ having a console, a keyboard, and a music rack above the keyboard hinged to the console to swing between upright and horizontal positions, said device comprising an elongate, relatively narrow, music-supporting basal portion including an elongate

electric lamp, said basal portion having slots opening severally above and below said lamp, and a vertical portion to the lower edge of which said basal portion is secured, said vertical portion being formed as a loop telescopically engaging said music rack and arranged when said rack is upright to secure the device with its said basal portion overhanging said keyboard in position for said lamp to direct light through said slots upon music supported on the rack above and upon the keyboard below, said device being vertically adjustable in its telescopic engagement with said rack, to permit said rack to be swung on its hinge into horizontal position over the keyboard while retaining the device in engagement with the rack.

2,626,346

FLUORESCENT LIGHT FIXTURE FOR CIRCULAR FLUORESCENT LAMPS

Warren H. Stoller, Chicago, Ill.
Application January 26, 1949, Serial No. 72,803
6 Claims. (Cl. 240-51.12)

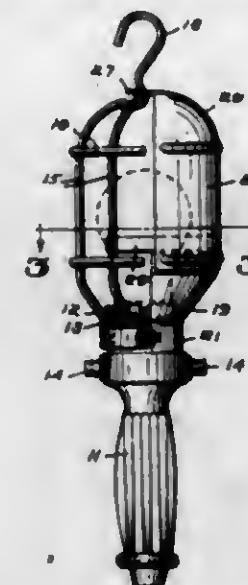


1. In a device of the class described, a casing consisting of two transparent conical sections having hollow interiors and abutting bases with peripheral concave bearing recesses, a circular fluorescent tube supported in said recesses, a light reflector consisting of two conical connected sections supported in said casing with the apices thereof positioned in the apices of said casing and adapted for reflecting light emitted from the inner circumference of said tube, means for conducting electrical energy to said tube and means for securing said sections together.

2,626,347

TROUBLE LIGHT GUARD WITH DETACHABLE REFLECTOR

Leonard N. Baenziger, Pawtucket, R. I., assignor to Royal Electric Company, Inc., Pawtucket, R. I., a corporation of Rhode Island
Application August 24, 1950, Serial No. 181,244
2 Claims. (Cl. 240-54)



1. A trouble light comprising a handle and a guard having complementary cage and shield members each forming approximately one longitudinal half of the guard, the cage consisting of

wires and having a fixed collar piece at one end thereof and a hook at its opposite end, the shield comprising a base having a collar portion cooperating with said collar piece for attaching the guard to the handle and having a substantially semi-cylindrical flange remote from said collar portion, and a temporarily displaceable and also completely removable shade having an inner end portion normally overlapping said flange and having an outer end portion apertured loosely to receive said hook for supporting said outer end of the shade, and a clamp fixed to the shade and having hooked, resilient arms releasably engaging certain of said cage wires to lock the shade in closed position with its inner end portion removably engaging the exterior of the base flange, said shade being displaceable from said flange while supported by said hook after the clamp arms are released from said wires.

2,626,348

AIRBORNE RADIO RELAY AND BROADCAST SYSTEM

Charles E. Nobles, Oaklee Village, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1945, Serial No. 609,669
12 Claims. (Cl. 250-15)



1. In a system for transmitting radio signals, aircraft means adapted to operate at a substantial height relative to the surface of the earth, means for directionally transmitting a radio signal from the surface of the earth towards the aircraft means, means disposed on the aircraft means for receiving the radio signal, means for transmitting from the aircraft means a radio signal corresponding to, and controlled by, the first-named radio signal, and means responsive to the radio signal received by the receiving means for maintaining the aircraft means adjacent a predetermined location relative to the earth for continuous reception of the first-named radio signal.

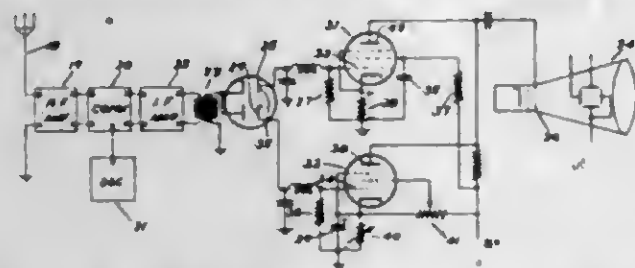
2,626,349

INTERFERENCE ELIMINATING CIRCUITS

Irving H. Page, Silver Spring, Md.
Application August 13, 1942, Serial No. 454,640
6 Claims. (Cl. 250-20)
(Granted under Title 35, U. S. Code (1952), sec. 266)

6. A circuit for suppressing strong unwanted signals from the output of a radio receiver subject to receive input signals of lesser intensity than said unwanted signals comprising, a detector

circuit having a pair of output terminals one of which provides detected output signals of one polarity and the other of which provides detected output signals of an opposite polarity, a pair of signal transmission channels, one of said transmission channels coupled to one of said detector output terminals and adapted to translate a wide



amplitude range of detected output signals, the other of said transmission channels coupled to the other of said detector output terminals and adapted to translate only those detected output signals fed hereto which exceed a predetermined amplitude, and output means coupled to said transmission channels for combining in opposition the output signals derived therefrom.

2,626,350

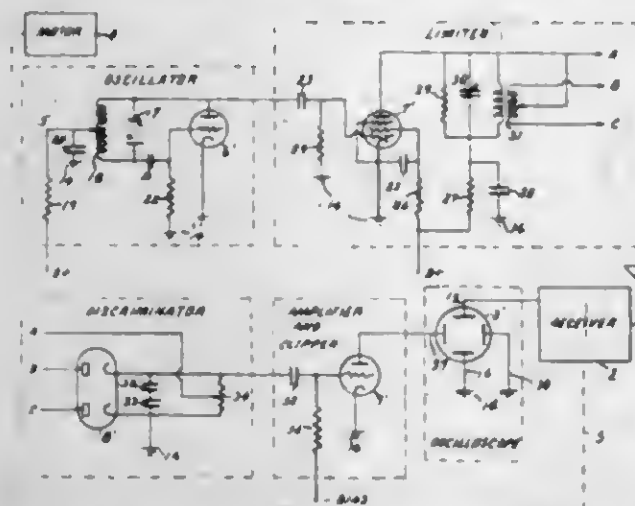
PANORAMIC RECEIVER

Everett T. Wilbur, Dayton, Ohio

Application October 12, 1944, Serial No. 558,444

9 Claims. (Cl. 250-20)

(Granted under Title 35, U. S. Code (1952), sec. 266)



1. A system comprising a tunable receiver, means for presenting a visual indication of the signals received by said receiver comprising a cathode ray oscilloscope, a variable frequency oscillator, means for varying the frequency of said oscillator synchronously with the receiver tuning, means for producing a voltage the amplitude of which is proportional to the frequency deviation of said oscillator from a predetermined frequency, and means for applying said voltage as a sweep voltage for said cathode ray oscilloscope.

2,626,351

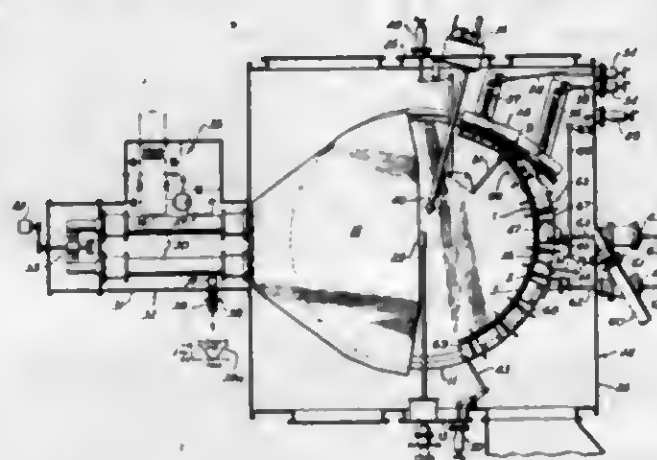
BEAM EXTRACTOR

Wilson M. Powell, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 17, 1948, Serial No. 44,649

12 Claims. (Cl. 250-27)

11. In a frequency-modulated cyclotron having a spaced pair of magnet poles, a pair of D shaped electrodes therebetween and a surrounding evacuated chamber, and a frequency-modulated oscillator coupled through a transmission line to

said D shaped electrodes, the combination comprising a particle deflector having a plurality of arcuately shaped, adjustably spaced, conductive deflecting bars disposable along an outer orbit of particles accelerated by said cyclotron, electrostatic pulsing means connected to said bars for altering the radial center of said particles during the interval that said particles are in said outer orbit, and a coupling loop connected to said pulsing means and adjacent said transmission line for triggering said means.



trostatic pulsing means connected to said bars for altering the radial center of said particles during the interval that said particles are in said outer orbit, and a coupling loop connected to said pulsing means and adjacent said transmission line for triggering said means.

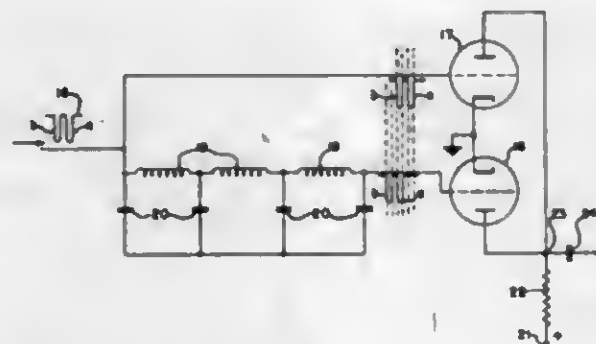
2,626,352

PULSE DISCRIMINATING CIRCUIT

Luis W. Alvarez, Berkeley, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Original application March 18, 1943, Serial No. 479,625, now Patent No. 2,568,265, dated September 18, 1951. Divided and this application August 15, 1949, Serial No. 110,295

2 Claims. (Cl. 250-27)

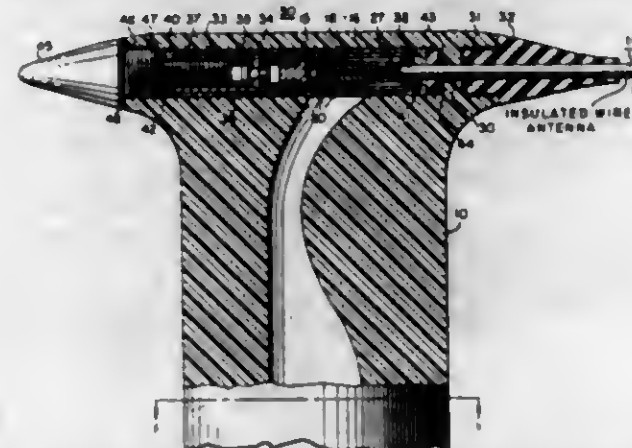


1. A circuit for producing an output signal only upon application thereto of a pair of pulses having a predetermined time interval therebetween comprising, first and second electron tubes each having an anode, a cathode and a control grid, a source of anode potential for said tubes, a common anode resistor connected between the anodes of said tubes and said source of anode potential, said tubes being normally conductive and said resistor being of a value to produce a potential increase at said anodes only when both of said tubes are cut off simultaneously first and second means for applying pulse signals of negative polarity and the same wave form to the control grids of said first and second tubes, respectively, said first means comprising a conductor and said second means comprising a delay line having a delay time equal to said predetermined time interval.

2,626,353

ANTENNA MAST

John W. McGee, North Tonawanda, N. Y.
Application December 18, 1947, Serial No. 792,525
7 Claims. (Cl. 250-33)
(Granted under Title 35, U. S. Code (1952), sec. 266)



7. For use in an anti-static long wire antenna system, an antenna mast comprising an elongated body portion, a head portion at one end of said body portion, said body and head portions being composed of insulating material, a self-locking terminal connector disposed entirely within said head portion for engaging the bare end of an insulated antenna wire, an opening in one end of said head portion in communication with said terminal connector for receipt of said insulated antenna wire, and a dielectric member attached to said head portion adjacent said opening and adapted snugly to surround said insulated antenna wire and form therewith a substantially air-tight seal at the point of entry of said wire into said head portion.

2,626,354

OSCILLATOR CIRCUIT

Robert C. Check, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1949, Serial No. 100,808
5 Claims. (Cl. 250-36)



1. An oscillator comprising an electric discharge device having at least an anode, a cathode, and a grid, terminals for connection to a source of anode potential, an inductance connected between said anode and grid, a capacitance connected in shunt with said anode and cathode, and a plurality of paralleled capacitances, at least one of which is variable, connected between said grid and cathode.

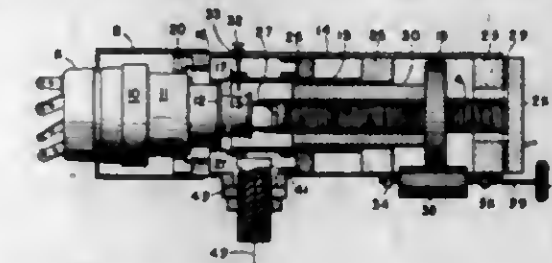
2,626,355

VARIABLE FREQUENCY OSCILLATOR

Philip A. Hoffman and Garold K. Jensen,
United States Navy
Application August 2, 1945, Serial No. 608,550
4 Claims. (Cl. 250-36)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. An oscillator assembly comprising a pair of cylindrical elements of different diameters, the smaller of which is concentrically disposed with

in the other, a rod-like member concentrically disposed within the inner of said pair of cylinders, a sleeve member of a diameter slightly less than said inner cylinder, spaced therefrom to form a capacitance short therebetween and mounted on said rod-like member and movable therealong, a triode vacuum tube connected to said rod and cylinder assembly so as to form both a low Q grid-cathode and a high Q grid-anode

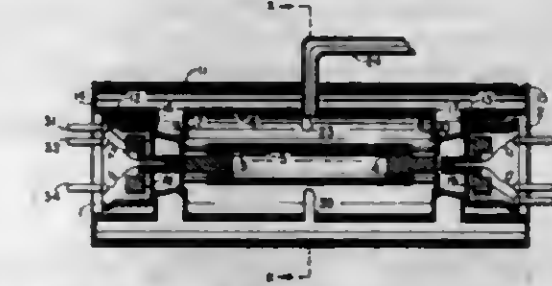


resonant line section, means feeding back energy from said grid-anode section to said grid-cathode section so as to cause and sustain oscillations, and means for coupling energy from the line section between the cylinders to an external load, whereby the selectivity of the low Q resonant line section is broadened to permit tuning of the assembly over a wide frequency range by a variation of the high Q resonant line section alone.

2,626,356

ULTRAHIGH-FREQUENCY GENERATOR

John E. Gibson, Washington, D. C.
Application October 25, 1945, Serial No. 624,618
29 Claims. (Cl. 250-36)
(Granted under Title 35, U. S. Code (1952), sec. 266)



4. A generator of sinusoidal oscillations comprising a first and second vacuum tube exciting means having annular electrode contacts, a plurality of cylindrical conducting members of different diameters concentrically disposed one within the other adapted to receive at one end said first vacuum tube exciting means and at the other end said second vacuum tube exciting means in such a manner as to constitute, in combination with said first and second vacuum tube exciting means two resonant line sections, means for transferring energy from one of said resonant sections to the other of said resonant sections in such a phase as to cause a 180° phase difference in the operation of said first and second vacuum tube exciting means, and means for transferring energy from one of said resonant sections to an external load.

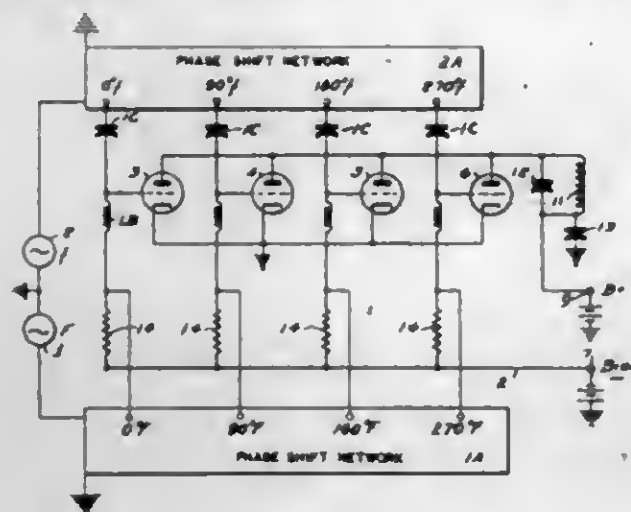
2,626,357

MEANS FOR COMBINING FREQUENCIES

Cyril E. McClellan, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 775,122
14 Claims. (Cl. 250-36)

1. In combination with two alternating-current voltage sources of different frequency, each provided with means for deriving a first

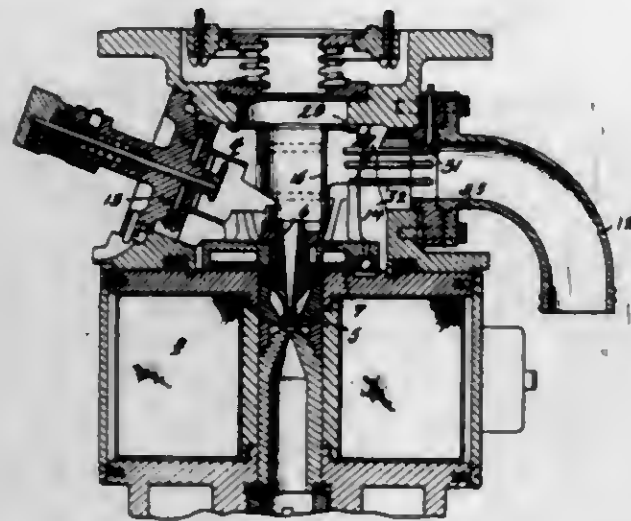
voltage and also a second voltage which is 90 degrees out of phase with said first voltage, means for impressing on the current path of a first electrical discharge tube a control effect which is proportional in instantaneous value to the sum of the first voltages of said two sources, means for impressing on the current path of a second elec-



trical discharge tube a control effect which is proportional in instantaneous value to the sum of the second voltages of said two voltage sources, and means for impressing on a load circuit a voltage which is proportional in instantaneous value to the sum of the outputs of said first and second electrical discharge tubes.

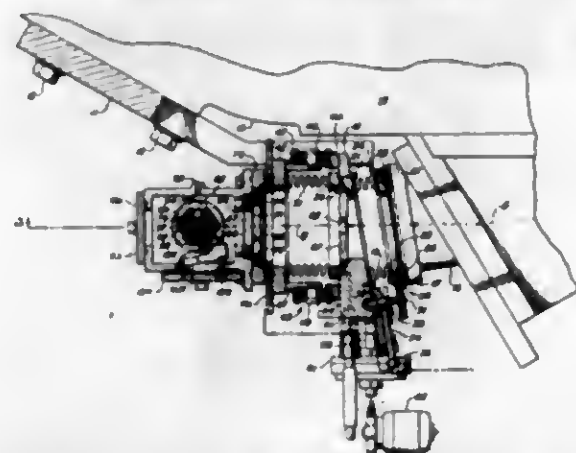
2,626,358

ELECTRON MICROSCOPE FOCUSING DEVICE
Harold T. Meryman, Cabin John, Md., assignor to Canal Industrial Company, Cabin John, Md., a corporation of Maryland
Application August 12, 1949, Serial No. 109,840
6 Claims. (Cl. 250-49.5)



1. In an electron microscope in which an electron beam passes through a condenser lens to a specimen, the improvement of a focusing device comprising a tube positioned between the condenser lens and the specimen to allow the electron beam to pass therethrough, a first coreless coil mounted on the outer surface of the tube, a second coreless coil mounted on the outer surface of the tube, and an electrical energizing source connected to the said coils whereby the coils exert electromagnetic forces in the same direction to deflect the electron beam whereby the width of the angle of the electron beam striking the specimen is increased.

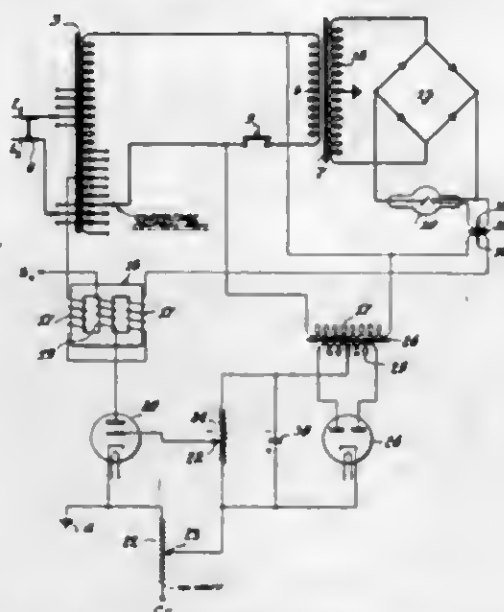
2,626,359
TARGET FOR PARTICLE ACCELERATORS
Frank R. Weber, Jr., Alameda, Calif., assignor, by means assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application October 16, 1951, Serial No. 251,577
9 Claims. (Cl. 250-49.5)



1. An improved target assembly for particle accelerators comprising connecting means adapted to be rigidly attached to a particle accelerator at the point where a beam of charged particles emerges therefrom, a plate pivotably mounted upon said connecting means, a sample holder mounted upon said plate, and means attached to said plate and imparting a reciprocating motion thereto whereby said plate oscillates about said pivotal mounting and said sample is oscillated with respect to a beam of charged particles from said accelerator.

2,626,360

COMPENSATOR FOR X-RAY SYSTEMS
Robert L. Wright, North Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1950, Serial No. 173,263
3 Claims. (Cl. 250-97)

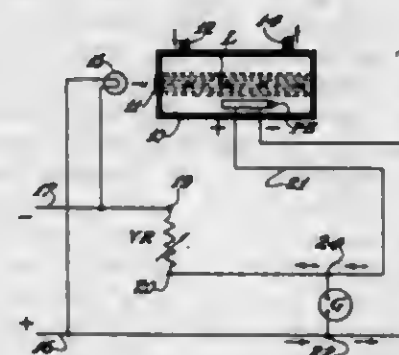


1. An X-ray system for maintaining constancy of milliamperage through an X-ray tube at all kilovoltage settings during the making of short exposures comprising an X-ray tube energizable from a source of supply including a high potential transformer and provided with a thermionic cathode, a source of heating energy for said thermionic cathode including a variable impedance, a control circuit for said variable impedance including a discharge device provided with a con-

trol electrode, and means comprising a transformer having its primary winding connected to the same source of supply in electrical parallel with the high potential transformer for said X-ray tube and energizable from said source prior to energization of said X-ray tube for the making of a short exposure, and said means including a rectifier tube connected to said transformer and a filter arrangement connected to the output of said rectifier and to the control electrode of said discharge device and operable to apply a predetermined voltage to the latter which varies with direct changes in kilovoltage setting to control said variable impedance with an attendant predetermined control of the temperature of the thermionic cathode and said X-ray tube and to prevent variation of the milliamperage through the latter at all values of kilovoltage applied to said X-ray tube.

2,626,361

APPARATUS FOR DETECTING SUSPENDED MATTER IN FLUIDS
Chester E. Martine, Teaneck, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application September 22, 1950, Serial No. 186,129
10 Claims. (Cl. 250-218)



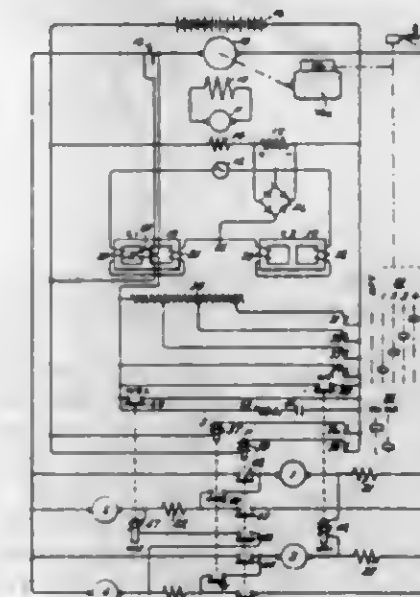
3. In apparatus of the class described, the combination of a source of electrical energy, a light source connected across said energy source for providing a beam of light, means for conducting a stream of fluid into the light beam, a photoelectric element located with respect to the light beam and the fluid stream to detect matter in the fluid stream, a varistor element and resistance means connected in series across said energy source, said photoelectric element being electrically connected across the terminals of said resistance means, and electro-responsive means connected across the terminals of said photoelectric element.

2,626,362

POWER CIRCUIT CONTROL SYSTEM
August V. Johanson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 17, 1950, Serial No. 139,054
8 Claims. (Cl. 290-17)

4. In combination a gas electric self-propelled vehicle and an automatic wheel slip correction circuit, said vehicle having a plurality of traction motors, a generator adapted to supply current to said motors, loop circuit means connecting said generator and said motors, a gas engine arranged to drive said generator, manually positionable fuel throttle and governing means for said gas engine and for controlling the ordinary operation of said vehicle, means including a generator field exciting winding and an adjustable

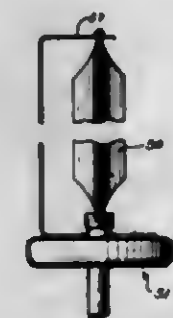
voltage supply therefor for separately exciting said generator, and means associated with said manually positionable governing means and with said exciting means for regulating the generator excitation at predetermined values determined by the position of said governing means, and said automatic wheel slip correction circuit comprising wheel slip indicating means including a relay having its coil connected across normally equipotential points in the circuits of two of said trac-



tion motors and energized responsive to overspeeding of either of said motors due to wheel slip, said relay having a contact connected in circuit with said regulating means for rendering the manually predetermined operation of said regulating means inoperatively responsive to wheel slip, said contact connecting said regulating means to regulate the current output of said generator at a predetermined value independent of throttle handle setting.

2,626,363

PIEZOELECTRIC CRYSTAL AND METHOD OF MAKING IT
John D. Holmbeck, Sandwich, Ill., assignor to The James Knights Company, Sandwich, Ill., a corporation of Illinois
Application March 4, 1949, Serial No. 79,705
13 Claims. (Cl. 310-9.6)

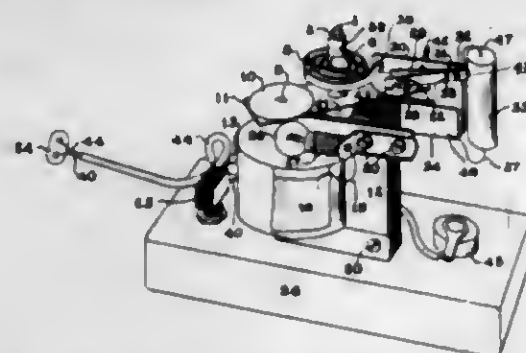


6. In the manufacture of quartz crystals the method of finishing which comprises orienting a grinding wheel laterally offset from one of the crystal edges with its shaft parallel to the plane of the crystal but angled with respect to said edge, bringing the wheel into contact with said edge, and then imparting relative movement to the crystal in the direction of said edge to produce an elliptical bevel therein which is of small effective radius as compared to the radius of the wheel.

2,626,364

ELECTRIC FENCE CONTROLLER AND METHOD OF OPERATION

Leo H. Underwood, Walhonding, Ohio
Application March 20, 1946, Serial No. 655,681
3 Claims. (Cl. 310—32)

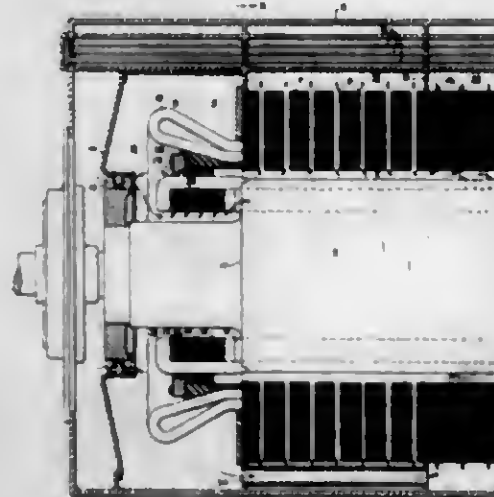


1. In a periodic interrupter system, a switch mechanism comprising a substantially U-shaped core; a winding around one leg of said core; a dielectric member mounted between the spaced ends of said core; an upright shaft-like member supported by said dielectric member; a sleeve surrounding a portion of said shaft-like member; antifriction bearings between said shaft-like member and said sleeve; an armature bar provided on said sleeve for swinging movement in a horizontal plane spaced slightly above the ends of said core; a spiral spring having one end stationarily supported by said core and the other end fixed to said sleeve, said spring tending to urge said armature bar out of a position in alignment with the ends of said core; an electrical contact stationarily supported by said core; a second contact carried by said armature bar, said contacts being engaged when said bar moves in response to said spring; and electrical connections between said contacts and a current source, one electrical connection including said winding.

2,626,365

GENERATOR COOLING

René A. Baudry, Pittsburgh, and Paul R. Heller, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1952, Serial No. 282,982
2 Claims. (Cl. 310—55)



1. A dynamo-electric machine comprising a stator member and a rotor member having an air gap therebetween, a substantially gas-tight housing enclosing said stator and rotor members, a filling of a gas bathing both said stator member

and said rotor member within said housing, and a recirculation-means for said gas; (a) said recirculation-means including a cooler therein, and also including a fan-and-partition means for producing a pressurized end-zone at one end of the machine for maintaining a differential gas-pressure for recirculating the gas; (b) said rotor member including a cylindrical rotor-core having winding-receiving rotor-slots, a rotor-winding having a cooling-duct means and coil-sides lying within said rotor-slots, said rotor-winding also having end-windings, said rotor member including a retaining ring surrounding said end-windings of the rotor-winding, said rotor member also having gas-inlet means under said retaining ring whereby gas may enter the rotor member from said pressurized end-zone, means for providing a communication from said gas-inlet means to said cooling-duct means, and a gas-outlet means discharging into said air gap intermediately between the ends of the rotor-core; and (c) said stator member including a laminated stator-core having winding-receiving stator-slots, said stator-core comprising a plurality of bundles of stator-laminations separated by radial ventilating-spaces, a stator-winding having coil-sides lying within said stator-slots, and also having end-windings, said stator member also having an annular end-winding support lying within the end-windings of said stator-winding adjacent to said pressurized end-zone, said end-winding support having an annular baffle-portion approaching close to said retaining ring for providing a restricted gas-passage therebetween, said stator member also having a plurality of axially spaced partition-means surrounding said stator-core for providing a plurality of discharge-zones and at least one intermediately disposed, axially displaced intake-zone surrounding said stator-core, communication-means from said discharge-zones to said cooler and through said cooler to said fan-and-partition means for said pressurized end-zone, for recirculating the gas, and communication-means from said pressurized end-zone to said intake-zone, characterized by such relative sizes of the communication-passages of said stator member that there is a relatively small pressure-drop from said air-gap through the radial ventilating-spaces which communicate with said discharge-zones and thence through said cooler to said fan-and-partition means, while there is a relatively large pressure-drop from said pressurized end-zone to said intake-zone and thence, through the radial ventilating-space or spaces which communicate with said intake-zone, back to said air gap, whereby to provide a relatively large pressure-differential between the pressurized end-zone and the air gap for forcing the recirculating gas through said rotor member.

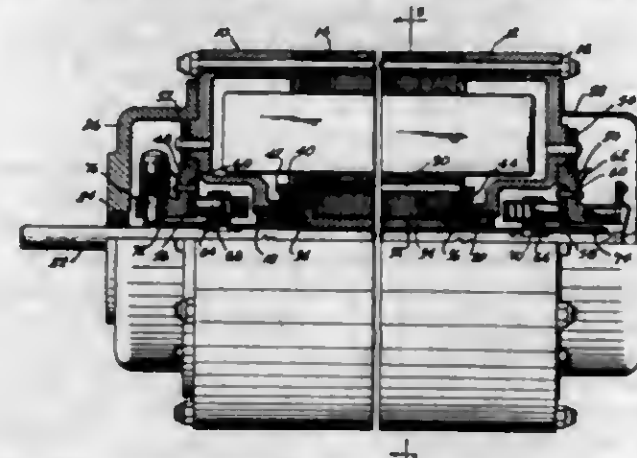
2,626,366

DIRECT-CURRENT ELECTRIC MOTOR

George H. Stoner, Seattle, Wash., Orlien N. Becker, Cambridge, Mass., and Harry Levinson, Seattle, Wash., assignors to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application April 14, 1951, Serial No. 221,002
9 Claims. (Cl. 310—114)

1. The direct-current electric motor comprising magnetic field circuit stator means comprising an annular outer portion and an inner core portion spaced inwardly from said outer portion by a short distance to define an annular air gap therebetween, stator field sectionalized winding means and commutator means having segments connected to sections of said field wind-

ing means for energization of said field winding means to produce an effectively diametrical magnetic field extending through said air gap and said core portion, motor shaft means, rotor means having segmental-cylindrical ferromagnetic armature means extending arcuately in said air gap and supported by said shaft means for rotation continuously around said air gap, and commutator brush means carried rotatively by said shaft means in fixed angular relation to



said rotor armature means and cooperating with said commutator means to direct field-energizing current through said winding means sections in a pattern establishing said magnetic field in disalignment with relation to said rotor means segmental-cylindrical armature means, said established magnetic field rotating with said brush means continuously ahead of alignment with said armature means as the latter is drawn continuously toward alignment with such rotating magnetic field.

2,626,367

WELDING GENERATOR

Marshall Beymer, Chicago, Ill., assignor of one-half to Henry L. Sweitz, Chicago, Ill.
Application December 31, 1948, Serial No. 68,687
4 Claims. (Cl. 310—156)



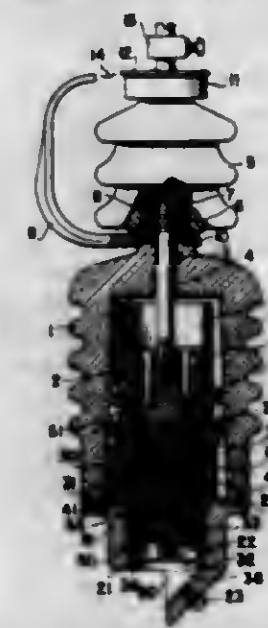
1. In an alternating current machine adapted to furnish high-amperage, low-voltage current, such machine including a stator having an even plurality of coils arranged in parallel, a rotatable shaft extending through the machine, a rotor on said shaft for causing a high-amperage, low-voltage current to be induced in said coils, said rotor having the same number of magnetic members as there are coils and adapted to rotate in phase with said coils and being of alternating polarity, and a current control device for rendering any selected number of said coils effective to furnish current, said control device including a plurality of arcuately arranged stationary contacts respectively connected electrically to said coils, and a contact sector rotatably mounted on

said shaft and engageable with any selected number of said contacts for determining the number of said coils rendered effective.

2,626,368

ELECTRICAL DISCHARGE DEVICE OF THE ARC EXPULSION TYPE

Clifford W. Petersen, Wauwatosa, Wis., assignor to McGraw Electric Company, Milwaukee, Wis., a corporation of Delaware
Application April 26, 1950, Serial No. 158,181
5 Claims. (Cl. 313—231)

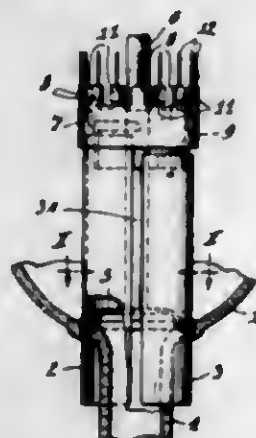


5. In a discharge device for electric lines an insulating tube providing an arcing chamber closed at one end and open at the other and two spaced electrode members, a metallic reinforcing sleeve for said insulating tube, an arc-extinguishing medium composed of a material capable of emitting effective quantities of arc-extinguishing gases when subjected to high temperature and contained within said chamber, said medium comprising a rod-like member within the chamber and extending between and supported at either end by said electrode members, said medium further comprising a plurality of sets of telescoped tubular members within said chamber in unrestrained axial endwise relation to each other and radially spaced from said rod-like member, each member being independently freely movable transversely relative to the axis of said rod-like member within said chamber, one of said electrode members being exposed to the closed end of said chamber and being disposed at a point within said tube spaced from said end in order to provide an insulating chamber for preventing arcing flash-over between said electrode member and said metallic reinforcing sleeve, the other of said electrode members being oppositely disposed at the open end of said chamber and being apertured to discharge gases generated within said arcing chamber, the wall surfaces of said adjacent sets of telescoped tubular members defining arcing passages disposed between said electrode members, said tubular members each being provided with a plurality of notched portions at either end and a plurality of wall vent openings, said notched portions and wall vent openings each being arranged relative to the others to dispose them in spaced circumferential and axial relationship in adjacent tubular members, and a vented disk of arc-extinguishing material, said disk being supported by said rod-like member and separating adjacent sets of tubular members.

2,626,369

ELECTRIC DISCHARGE DEVICE

Hampton J. Dailey, Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1951, Serial No. 234,215
4 Claims. (Cl. 313-272)



1. In combination with an envelope of an electrical discharge device, a pair of hemi-cylindrical metal lead-ins coaxially positioned and sealed through the wall thereof, a first annular metal cap affixed to one end of said lead-in, a second annular metal cap affixed to the other said lead-in and means to attach filament-ends to said caps.

2,626,370

FILAMENT STRUCTURE FOR ELECTRON DISCHARGE DEVICE

William N. Parker, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1949, Serial No. 95,432
13 Claims. (Cl. 313-273)



2. An electron discharge device, comprising at least two co-acting electrodes, support means for each of said electrodes, at least one of said electrodes being elongated and having mounting heads formed adjacent each of its ends, each of said mounting heads having a knife-edge which extends in a plane intersecting the longitudinal axis of said elongated electrode, the support means associated with said elongated electrode including means axially tensioning said elongated electrode and means having spaced V grooves formed therein adapted to receive said knife-edges, and each of said knife-edges being quick detachably seated in one of said V grooves.

2,626,371

TRAVELING WAVE TUBE ATTENUATOR

Guy F. Barnett and Walter H. Chudleigh, Jr., Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 16, 1948, Serial No. 39,117
5 Claims. (Cl. 315-39)

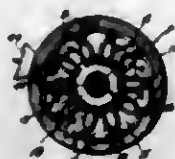


3. In an electromagnetic microwave system, a traveling wave tube comprising a helical wire transmission line and means for projecting an electron stream into one end of said helical wire transmission line and along the axis thereof; means for applying an electromagnetic wave to said transmission line at said end; means for radiating said wave in amplified form from the other end of said transmission line; said helical wire transmission line comprising, in combination, a helical wire, an intermediate section of said helical wire being constructed of material having a high attenuation constant, and a plurality of dielectric rods disposed externally adjacent to said transmission line and parallel to the axis thereof and supporting said helical wire in axial alignment, and an attenuating material coating at least a portion of the surface of said support-rods, said attenuating material being in contact with each turn of the intermediate section of said helical wire.

2,626,372

CAVITY RESONATOR STRUCTURE AND TUBE EMPLOYING THE SAME

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 7, 1950, Serial No. 189,018
4 Claims. (Cl. 315-40)



4. An electron discharge device comprising: a cathode; and an anode spaced from said cathode; said anode including a substantially U-shaped space-confining member the end edges of which extend, respectively, into spaces confined by adjacent, similar U-shaped anode members and face said cathode.

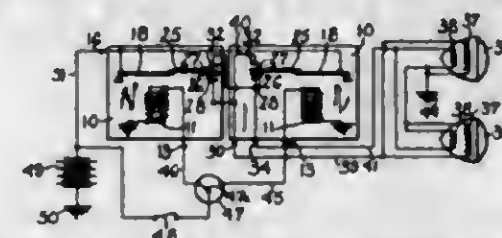
2,626,373

SWITCH FOR RELAY CIRCUITS FOR AUTOMOBILES OR THE LIKE

John E. Echlin, New Haven, Ernest A. Nordberg, Westport, and Earl J. Sambrook, Hamden, Conn., assignors to Echlin Manufacturing Company, New Haven, Conn., a corporation of California
Application August 2, 1949, Serial No. 108,174
5 Claims. (Cl. 315-83)

1. In combination, a pair of load circuits, one of said circuits comprising a deformable temperature-responsive element and a contact adapted to be engaged thereby, the other circuit also including the said temperature-responsive element

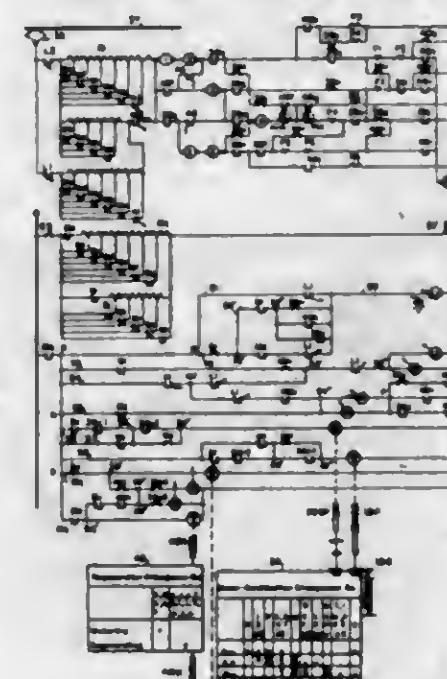
and a second contact to be engaged thereby, a relay for effecting engagement between said first contact and said element when the relay is energized and said element is at normal temperatures



thereby closing one of said circuits, and said element being adapted to deform when heated and break said engagement and move into engagement with said second contact to close the other of said circuits.

2,626,374

LOCOMOTIVE REGENERATION CONTROL
Cyril E. Baston, Glenshaw, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 2, 1950, Serial No. 188,003
24 Claims. (Cl. 318-63)



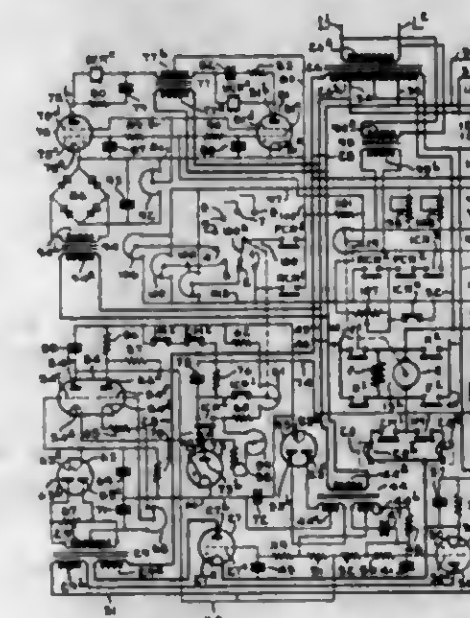
1. In combination, a plurality of electric motors, each having an armature and a series field-winding; a power-conductor; line-switch-means for connecting the motor-armatures to the power-conductor; a multi-position motor-combination switching-means having a plurality of running-positions for connecting the motor-armatures in any one of a plurality of different series and parallel motor-combinations; a separate source of excitation for said field-windings; a two-position regeneration switching-means having a motoring position for energizing the field-windings in series-circuit relation in circuit with their respective motor-armatures, and having a regenerating position for energizing the field-windings from said separate source of excitation; an armature-current controlling-means associated with said power-conductor; an exciting-current controlling-means associated with said separate source of excitation; a main controller-drum having an off-notch and having a plurality of on-notches, said on-notches of the main drum controlling the operations of said motor-combination switching-means and of said armature-current controlling-means; a braking controller-drum having a motoring-notch, an off-position regeneration-notch, and a plurality of on-position re-

generation-notches, the off-position regeneration-notch blocking a closure of said line-switch-means, and successive on-position regeneration-notches causing successively higher-current conditions of said exciting-current controlling-means; motoring-operation control-means, responsive to the motoring notch of the braking-drum and the on-notches of the main drum, for closing the line-switch means and causing said regeneration switching-means to be in its motoring position; and regenerating-operation control-means, responsive to the on-notches of the main drum and the on-position regeneration-notches of the braking-drum, for closing the line-switch means and causing said regeneration switching-means to be in its regenerating position.

2,626,375

CONTROL SYSTEM FOR STAGE ENCORE CURTAIN HOISTING MOTORS

Paul M. Fischer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 15, 1951, Serial No. 206,096
10 Claims. (Cl. 318-67)



1. In a contour system for stage encore curtains or the like, the combination with a plurality of reversible direct current hoisting motors, of control systems individual to each of said motors to be subjected to supply from an alternating current source comprising means settable at will to preselect anyone of a plurality of preset but adjustable ranges of operation for its associated motor, and means for supplying the armature of said associated motor with rectified current including means responsive to the setting of the first mentioned means to regulate the armature current in accordance with the range of operation selected for said associated motor, and control means common to the control systems of all of said motors for initiating operation of all of said motors in the same direction simultaneously.

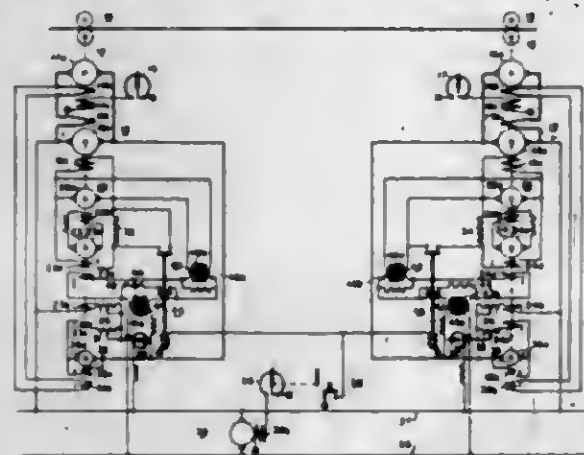
2,626,376

MOTOR CONTROL SYSTEM

Edwin L. Harder, Pittsburgh, Pa., Robert I. Greenwood, Montrose, Calif., and Raymond W. Moore and Loren F. Stringer, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1950, Serial No. 171,139
10 Claims. (Cl. 318-143)

1. In a control system for a roll stand motor in a tandem mill, a main generator individual to

the motor, regulating means connected to control the output of said main generator including a regulating generator having a plurality of field windings, circuit means connecting one of said field windings to a source of adjustable reference voltage, circuit means connecting another of said field windings to the reference voltage source and to the main generator in opposed relation, an



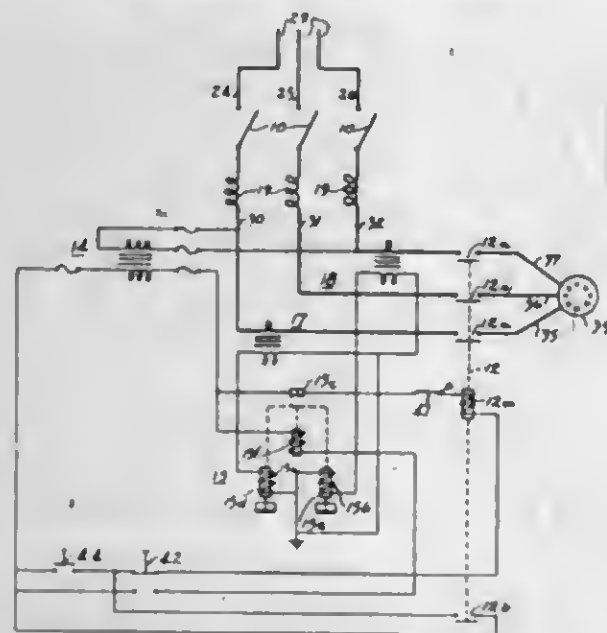
auxiliary exciter responsive to the current of the roll stand motor connected in circuit relation with said another field winding, and additional circuit means connecting yet another of said field windings to be energized in accordance with the rate of change of the voltage of the main generator and the rate of change of the differential between the reference voltage and the voltage of the main generator.

2,626,377

COMBINATION OF AN ELECTRIC SWITCH AND AIR CORE REACTOR FOR PROTECTING ELECTRICAL EQUIPMENT FROM EXCESSIVE FAULT CURRENTS

John D. Leitch, Shaker Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application January 12, 1949, Serial No. 70,578
23 Claims. (Cl. 318-229)



1. A starter for a three-phase alternating current motor comprising a power supply circuit for conducting current to the motor and having three conductors, said circuit being adapted to be connected at one end to a source of alternating current and at the other end to said motor, an electromagnetic contactor interposed in said circuit for opening and closing said circuit, an overload relay for controlling said contactor in de-

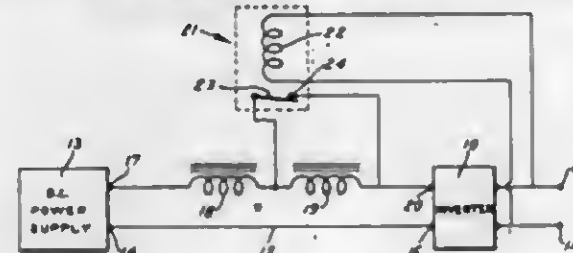
pendence upon the amount of current in said circuit, a unitary metal enclosure closely confining said contactor, said conductors, a plurality of air-core reactors, and said relay and having substantially parallel spaced side walls and a rear wall interconnecting the said walls, said air-core reactors being respective to said conductors for limiting fault currents during operation of said motor, means supporting the reactors in spaced relation to each other and with an approximately common magnetic axis for two of the reactors approximately normal to and intersected between said two reactors by the magnetic axis of the third reactor, and means connecting said reactors in said conductors of said circuit respectively.

2,626,378

MEANS FOR MORE EASY STARTING OF INVERTERS AT LIGHT LOADS

Ernest Levy, Jr., Bronx, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn., a corporation of Connecticut

Application March 27, 1951, Serial No. 217,848
3 Claims. (Cl. 321-11)



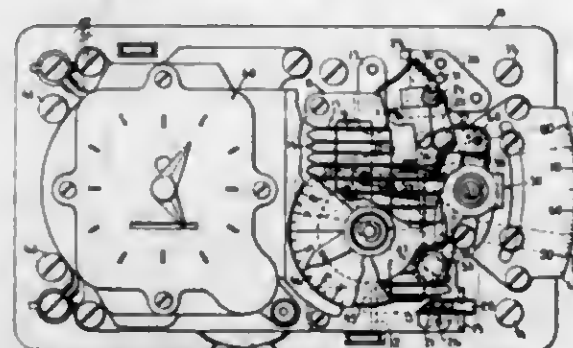
1. In an electronic inverter adapted to convert a direct current supply to alternating current, commutating choke means between said direct current supply and said inverter, switching means across a portion of said commutating choke means, and means for operating said switching means from the output of said inverter to increase the value of said commutating choke means when said inverter provides an output therefrom whereby said inverter by virtue of a lower than normal value of choke inductance is enabled to start readily and upon starting the choke inductance is increased to its normal operating value.

2,626,379

THERMOSTAT

Stanley W. Nickells, St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 18, 1948, Serial No. 55,058
11 Claims. (Cl. 323-69)



10. In a room thermostat, the combination of, a base, a scale bearing indicia of temperature on said base, a pair of manually positionable members coaxially pivoted on said base and each carrying an index cooperating with said scale, co-operating abutments on said members limiting movement of the index on one of said members

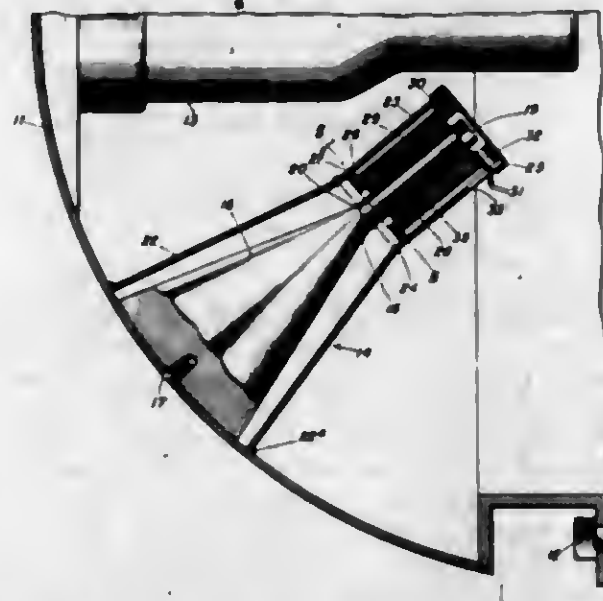
to the portion of said scale not occupied by the index on the other of said members and causing coincidence of said indexes on said scale when in engagement, an elongated resistance element on said base, a slider carried by one of said members engaging one side of said element, a slider carried by the other of said members engaging the opposite side of said element, said sliders being so disposed on said members as to include substantially zero resistance therebetween when said indexes are in coincidence on said scale, a temperature responsive resistance element carried on said base, electrical connections between said temperature responsive resistance and said sliders, switching means in said connections for determining which of said sliders select the portion of said first mentioned resistance effectively in circuit with said temperature responsive resistance, a clock motor on said base, and a linkage actuated by said motor interconnecting said motor and said switching means for actuating said switch at predetermined times.

2,626,380

MICROPHONE

Cecil K. Stedman, Watertown, and Frederick H. Smith, East Natick, Mass., assignors to the United States of America as represented by the Secretary of the Navy

Application September 11, 1943, Serial No. 502,076
1 Claim. (Cl. 340-8)



A directionally selective microphone for receiving compressional waves through a metallic wall, which comprises a generally conical member connected at its base to said wall, a frusto-conical shield secured at its base to said wall and surrounding said member, a magnetostriction tube connected to the reduced end portion of the conical member and disposed coaxially thereof, a cylindrical shield surmounting said frusto-conical shield and containing said tube, a coil extending around the tube and supported by said cylindrical shield independently of the tube and the conical member, and a polarizing magnet within the tube.

2,626,381

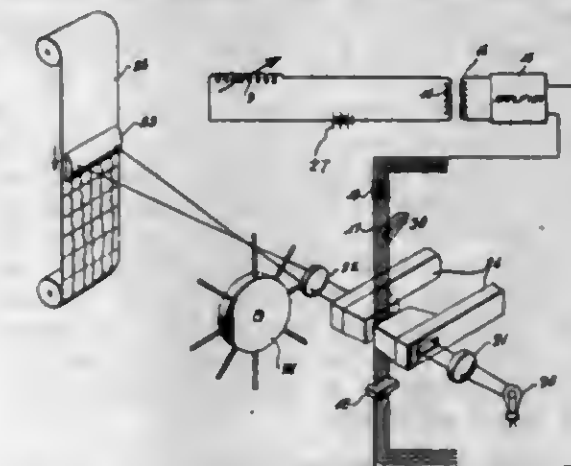
VARIABLE RESISTANCE DISTRIBUTED SEISMOMETER

Robert W. Olson, Dallas, Tex., assignor to "Texas Instruments Incorporated," a corporation of Delaware

Application January 27, 1948, Serial No. 4,598
1 Claim. (Cl. 340-17)

In a system for the detection and recording of seismic waves that includes a series of seismom-

eters, a series of amplifiers connected to said seismometers to amplify the electrical outputs thereof, and a multiple recorder connected to said amplifiers to simultaneously record the outputs thereof, the improvement that comprises including in said combination seismometers that comprise a pair of elongated conductors spaced apart and held in substantial parallelism by a resilient compressible material, the conductivity of which



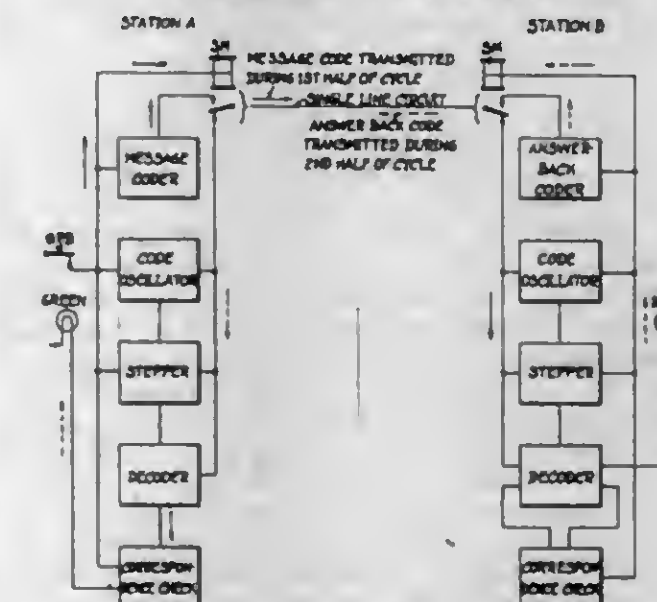
varies with the amount of compression, said material being rubber impregnated with particles of carbon, a sheath of nonconductive flexible material to envelop said conductors and said compressible material, one end of each of said conductors projecting from said sheath, said conductors being approximately equal in length to a whole number multiple of the wave length of an undesired signal.

2,626,382

AIR TRAFFIC CONTROL SYSTEM

Nelson B. Coley, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 13, 1950, Serial No. 155,720
18 Claims. (Cl. 340-26)



1. An air traffic control system of communicating indications between an airport approach control station and a distant station for facilitating the controlling of airplane flights, a control panel at each station for a particular fix near an airport, said control panel having disposed thereon two reservation push buttons for each flight altitude, one of said push buttons being provided for designation of a through reservation and the other of said push buttons being provided for designation of a reservation for an airplane flight to be landed at the airport, said control panel having indicator lamps associated

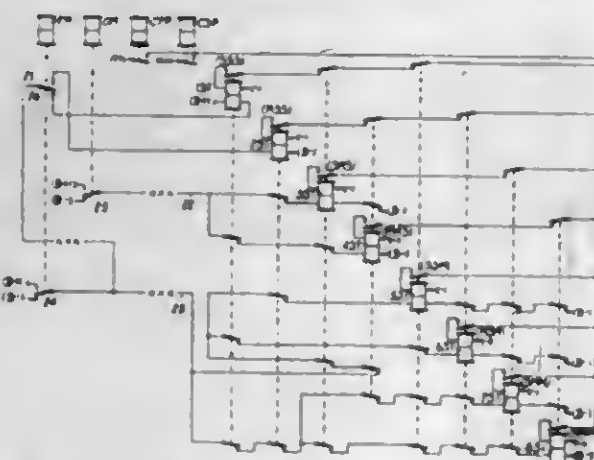
with the respective push buttons, a line circuit connecting said stations, a normally at rest code communication system including said line circuit connecting said stations, an indication control relay for each of the indicator lamps for governing its energization, decoding means at each of the stations for selectively governing the actuation of said indication control relays in accordance with distinctive codes communicated over said line circuit, and circuit means for initiating said communication system into a cycle of operation in response to the actuation of either of said push buttons, said circuit means being effective at the airport approach control station to initiate said code communication system for a given flight altitude if there is an indication relay actuated at the approach control station to cause the energization of an indicator lamp for a lower flight altitude, only provided that this indicator lamp has been energized in response to the actuation of said push button for designating transfer of authority, rather than the actuation of said push button for designating a through flight for the associated flight altitude.

2,626,383

STATION REGISTRATION IN CENTRALIZED TRAFFIC CONTROL SYSTEM FOR RAILROADS

Nelson B. Coley, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 3, 1951, Serial No. 240,088
8 Claims. (Cl. 340-147)



1. A centralized traffic control system for the code communication to a control office of indications belonging to respective indication stations comprising in combination, normally at rest code communication apparatus including a line circuit connecting the indication stations and the control office and effective when initiated by an indication station to communicate indication codes to the control office, the code formed by the first group of elements transmitted comprising an indication station registration code identifying the particular indication station that is transmitting, a bank of station registration relays at the control office, one station relay being provided for each of the indication stations, and circuit means for selectively energizing said bank of indication station registration relays in accordance with the respective elements of a multiple element station registration code as such elements are received, said circuit means being effective in response to the first element to energize a selected one of a predetermined group of two station relays in accordance with the particular code character that is received, said circuit means being effective in response to each subsequent element to energize a selected one of a predetermined group of station relays belonging to the associated code element, the selection of the relay to be energized being by a station relay that has been picked up in response to a prior element of the station registration code, and the energization of any station relay in response to an element of the code other than the first being effective only in response to the reception of a particular predetermined character as that element, and said circuit means being effective upon the energization of a station relay to cause the dropping away of any station relay which has been energized in response to a preceding element of the station registration code, whereby the only station relay which remains energized after the reception of the complete station registration code is the relay to which that code is assigned.

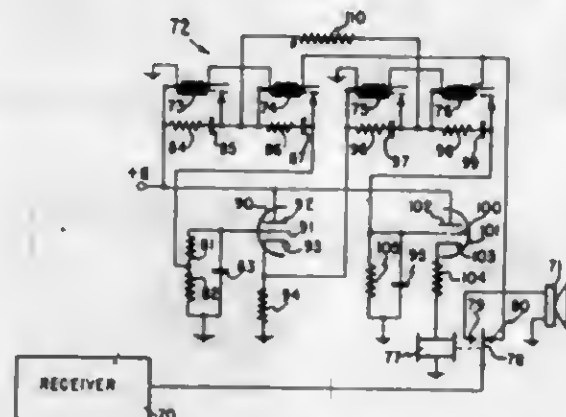
ing to the associated code element, the selection of the relay to be energized being by a station relay that has been picked up in response to a prior element of the station registration code, and the energization of any station relay in response to an element of the code other than the first being effective only in response to the reception of a particular predetermined character as that element, and said circuit means being effective upon the energization of a station relay to cause the dropping away of any station relay which has been energized in response to a preceding element of the station registration code, whereby the only station relay which remains energized after the reception of the complete station registration code is the relay to which that code is assigned.

2,626,384

SELECTIVE SIGNALING SYSTEM

Marion R. Winkler, Phoenix, Ariz., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois

Application July 10, 1950, Serial No. 172,788
11 Claims. (Cl. 340-156)



1. A selective responsive system including a transmitting unit and at least one receiving unit operatively associated therewith, said transmitting unit including means providing a plurality of individual tones, means for selecting first and second pairs of tones, means for transmitting said pairs of tones in timed sequence with each pair being transmitted for a relatively short time duration, and means for transmitting one tone of each of said first and second pairs for a relatively long time duration, said receiving unit including first and second pairs of frequency selective devices individually responsive to predetermined ones of said tones, a first circuit including said devices which is rendered operative when the tones to which said first and second pairs of devices are responsive are applied thereto for short time durations and in timed sequence, and a second circuit including one of said devices of each of said pairs which is rendered operative when the tones to which the said devices are responsive are applied thereto for a relatively long duration.

2,626,385

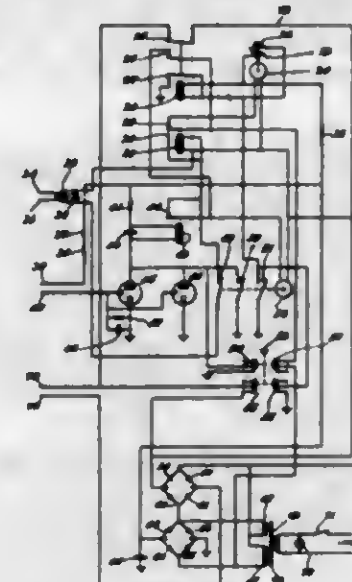
INDICATING INSTRUMENT

Robert Thomas Schumann, Brooklyn, N. Y.

Application July 12, 1950, Serial No. 173,390
7 Claims. (Cl. 340-239)

1. A container for liquid having an inlet at the top and an outlet at the bottom, a normally closed valve for said outlet, an electrically conductive member adjacent said valve, an adjustable conductor rod extending into said container above said outlet, said rod and said member being insulated from each other, electrical con-

ductors attached to said rod and said member, a magnet coil adjacent said valve, said coil when energized being arranged to open the valve, settable timing means for energizing the coil to open the valve after a given time interval, said timing means also having means operated thereby for preparing an alarm circuit a predeter-



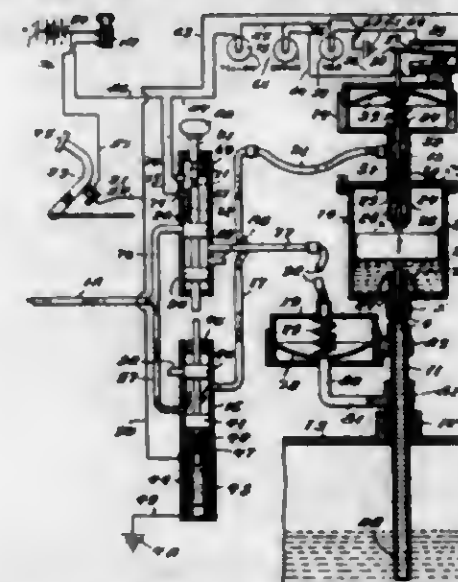
mined time interval after it causes the operation of the valve and means included in a circuit comprising the conductors connected to said rod and said member for preventing the completion of the alarm circuit in the event that the level of the liquid in the container reaches the rod during the first mentioned interval.

2,626,386

BRAKE LEVER ACTUATED OIL LEVEL INDICATOR

James O. Raby, Elizabeth City, N. C.

Application May 25, 1951, Serial No. 228,167
6 Claims. (Cl. 340-244)



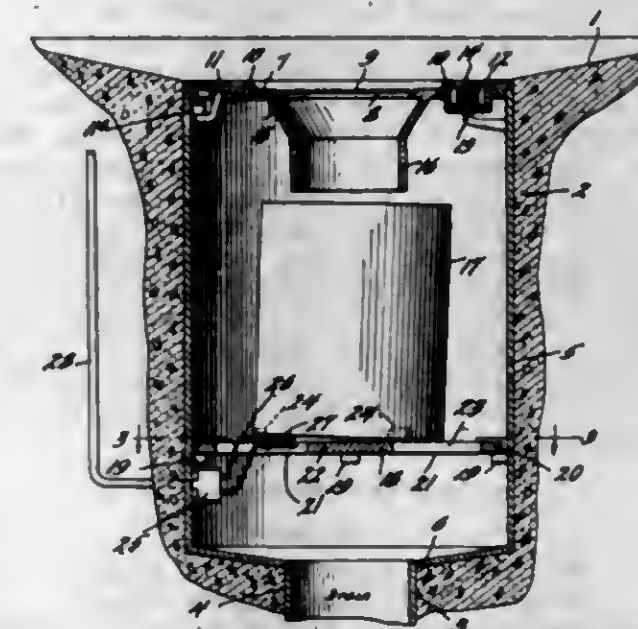
1. An oil level indicator comprising a float chamber having a tube extended downwardly therefrom, a float having a valve on the upper end positioned in said float chamber, said float chamber having a valve seat in the upper end positioned to coact with the valve of the float, an upper diaphragm casing positioned above and connected to the float chamber with a sleeve, a diaphragm extended across said upper diaphragm casing, a vacuum connection extended from said sleeve, a signal light switch positioned to be actuated by the said diaphragm, a solenoid actuated valve positioned in said vacuum connection to the sleeve, a foot brake lever, con-

2,626,387

DEVICE FOR COLLECTING EQUINE URINE SPECIMENS

William Berry, Absecon, N. J.

Application July 10, 1951, Serial No. 236,015
3 Claims. (Cl. 340-244)



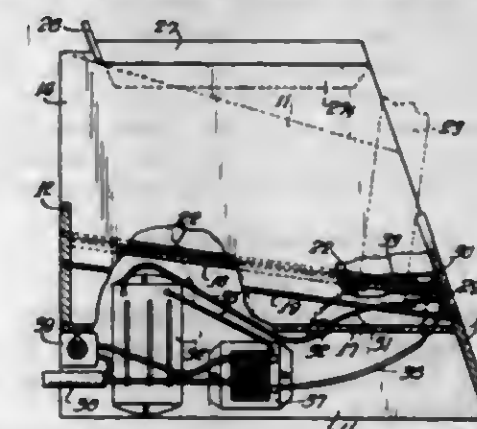
1. In a device for collecting equine urine specimens for analysis, including a tank adapted to be located in a stable drain, a cover for said tank, said cover having a centrally located screened opening, a supporting plate mounted near the bottom of the tank, said plate provided with openings around its inner periphery, a sterile jar, for catching the urine, supported on said plate; the bottom of the said tank provided with an opening and adapted to be connected to said drain, whereby an overflowing of the jar with urine will let the excess urine pass through said openings in said plate and down in to said drain, together with an electrical switch extending beneath said jar, an electrical circuit having a lamp therein, and said switch being depressed to light said lamp when the said jar is filled or partially filled with urine.

2,626,388

DISPLAY STAND WITH ALARM SYSTEM

Barney Needman, Chicago, Ill.

Application November 17, 1950, Serial No. 196,239
3 Claims. (Cl. 340-276)



1. A merchandise display stand for bottles or the like comprising: a base and two parallel upright side walls forming a stall, a front wall ex-

tending upwardly and inwardly to cover the lower front portion of said stall, a pair of bottle supporting rails in said stall positioned substantially parallel to said side walls and inclined downwardly toward said front wall, the included angle between said supporting rails and the upper portion of said front wall being acute, means on at least one of said side walls preventing removal of said bottles or the like except at the ends of said stall, a switch including a fixed electrical contact extending from said front wall above and substantially intermediate said supporting rails and terminating short of a bottle or the like which rests against the upper, inner edge of said front wall, said switch further including a spring finger fixed at one end thereof to said base and extending upwardly between said supporting rails to engage said fixed contact, said spring finger being depressed and held out of engagement with said fixed contact by a bottle or the like which rests against said front wall, and an electrically operated signalling device controlled by said switch, whereby as the frontmost bottle or the like in said stall is removed therefrom, said switch closes to energize said signalling device, said switch thereafter being opened as the next bottle or the like slides down said supporting rails and depresses said spring finger.

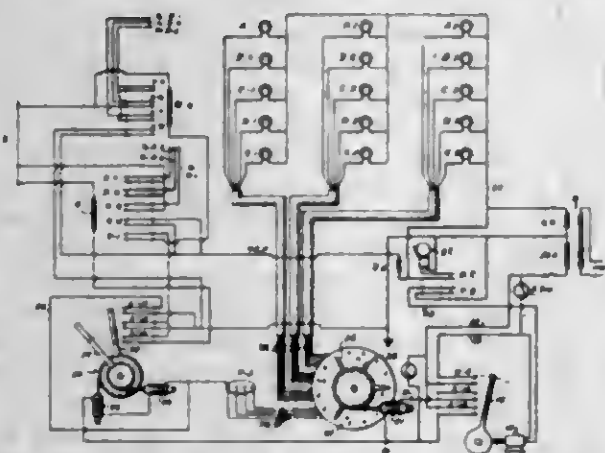
2,626,389

SALES STIMULATING PANEL

John A. T. Ellison, Seattle, Wash.

Application September 6, 1949, Serial No. 114,253

2 Claims. (Cl. 340-325)



1. A sales stimulating panel comprising a plurality of lights arranged in rows and columns, said lights being divided into groups having a light from each column in different rows, normally open circuits to said lights, electrically actuated stepper means for periodically completing the circuits to said groups, one group at a time in the same interstice, an electrically actuated bell and a normally open bell circuit thereto, and electrically actuated selector means for periodically completing the circuits to a plurality of said rows one row at a time and at different intervals all greater than said interstice and for completing said bell circuit simultaneously with each completion of the circuits to a row.

2,626,390

SYNCHRONIZING SYSTEM

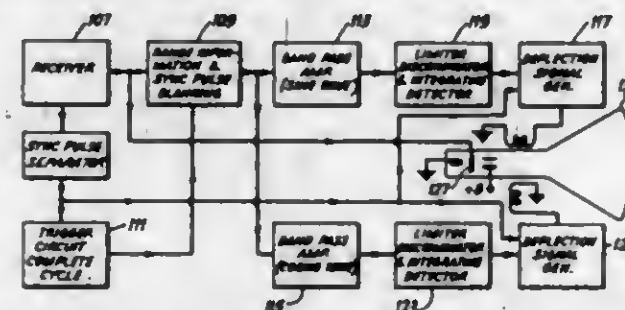
Vernon J. Duke, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 16, 1946, Serial No. 684,056

15 Claims. (Cl. 343-6)

1. In a radio direction and range equipment including a rotatable antenna, a system for

transmitting data including range information, antenna orientation data, and cathode ray beam deflection synchronizing pulses to a remote location comprising in combination, two signal generators, the frequencies of one of said signal generators being controlled in accordance with the sine function of the angle of orientation of said antenna from a predetermined reference angle of orientation, and the frequency of the other signal generator controlled with the sine function of the angle from another predetermined



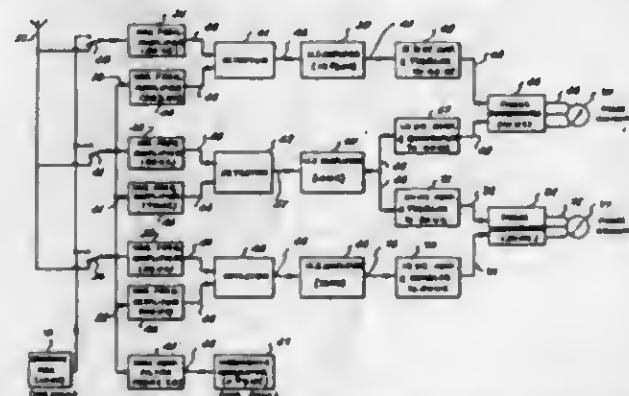
reference angle of orientation and whose range of frequencies differ from each other, means connected to both of said signal generators to transmit a signal from each of said generators, said synchronizing pulses, and said range information sequentially, a horizontal deflection generator, a vertical deflection generator, and means for controlling the frequency of said deflection generators with said synchronizing pulses, and means for controlling the amplitude ratio of said deflection generators with the frequency of the output signals of said signal generators.

2,626,391

RECEIVING APPARATUS FOR RADIO-FREQUENCY NAVIGATION SYSTEMS

William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Original application August 27, 1945, Serial No. 612,997, now Patent No. 2,530,902, dated November 12, 1950. Divided and this application June 15, 1950, Serial No. 173,408

6 Claims. (Cl. 343-105)



1. In a receiving apparatus for use with a radio frequency navigational system operating to transmit from spaced points a pair of radio frequency signals of unlike but related frequencies bearing a fixed multiple phase relation to each other, the combination of: a pair of adjustable frequency radio frequency receivers tuneable respectively to the frequencies of said signals; a pair of adjustable radio frequency amplifiers tuneable to two other frequencies of a ratio equal to the ratio of the frequencies of said signals; an adjustable frequency source of alternating electrical potential of non-sinusoidal wave form tuneable to a frequency equal to a common factor of said two other frequencies; means for applying said potential to the input circuits of

said amplifiers; means for combining and rectifying the outputs of each receiver and corresponding amplifier to produce a pair of heterodyne signals of fixed frequency; a pair of frequency converters for producing from said heterodyne frequencies a pair of output signals of like frequency; and means for continuously determining and indicating the phase relation between said output signals.

2,626,392

RADIO DIRECTION INDICATING SYSTEM

William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application February 7, 1947, Serial No. 727,233

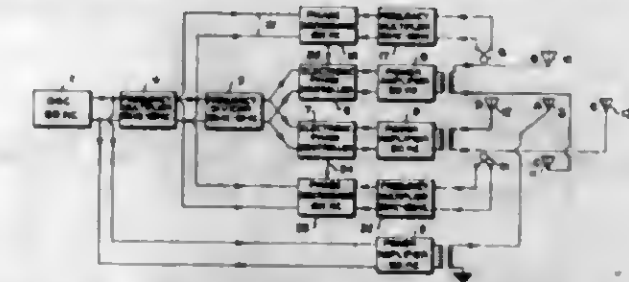
In Great Britain February 6, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires February 6, 1966

8 Claims. (Cl. 343-105)

1. In a radio direction finding apparatus the combination of: four radio frequency transmitting antennae situated at the corners of a square; a first transmitting means for radiating from one



relation to the signals radiated from said one pair; a fifth radio frequency transmitting antenna spaced from each of said four transmitting antennae; and a third transmitting means for radiating from said fifth antenna other radio frequency signals of a frequency different than but harmonically related to said given frequency and bearing a fixed multiple phase relation thereto.

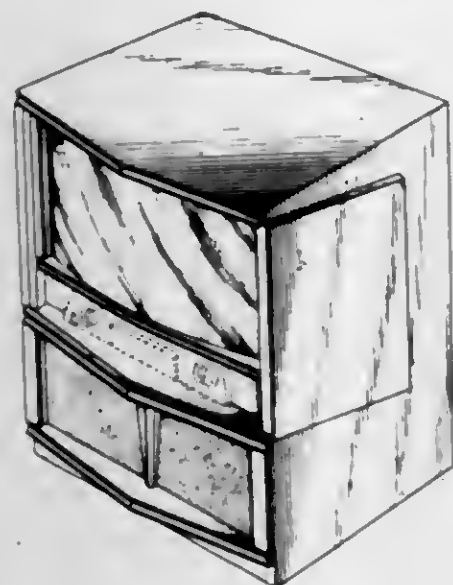
DESIGNS

JANUARY 20, 1953

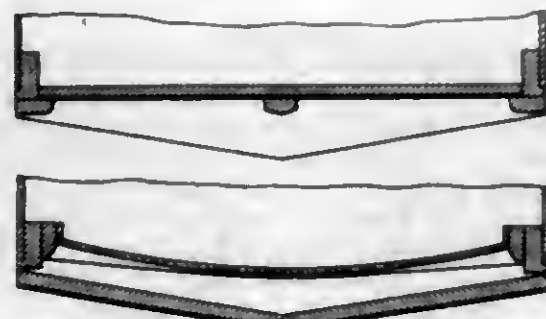
168,643

TELEVISION CABINET

Samuel E. Adler, Chicago, Ill.
Application October 25, 1952, Serial No. 21,990
Term of patent 14 years
(Cl. D56-4)



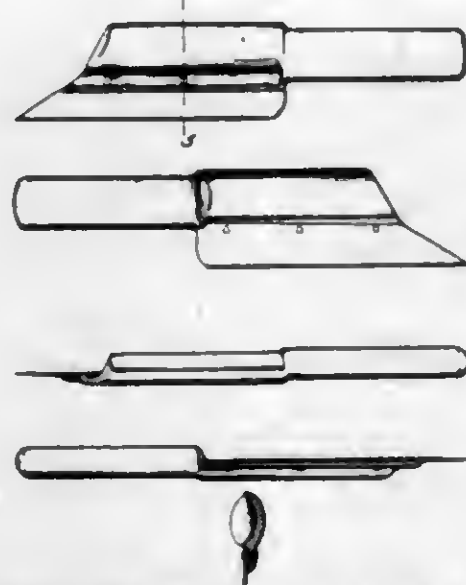
168,643—Continued



The ornamental design for a television cabinet, as shown and described.

168,644

FISH AND GAME CLEANING KNIFE
Michael W. Banowetz, Sr., Kenner, La., assignor to The Master Troll Company, Kenner, La., a corporation of Louisiana
Application October 28, 1952, Serial No. 22,024
Term of patent 14 years
(Cl. D22-3)

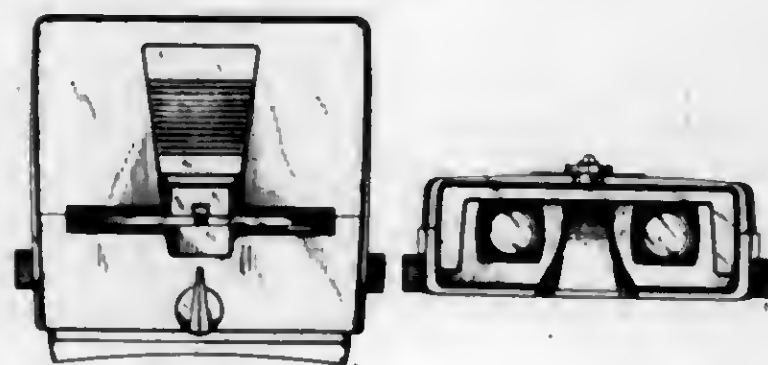


The ornamental design for a fish and game cleaning knife, as shown.

168,645

STEREOSCOPIC VIEWER

John E. Davis, Sherman Oaks, Calif., assignor to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application July 23, 1952, Serial No. 20,784
Term of patent 14 years
(Cl. D61-1)

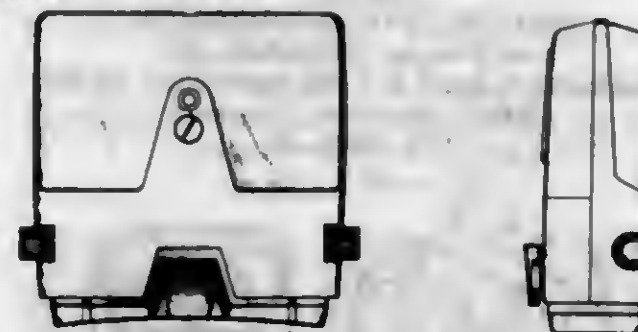


JANUARY 20, 1953

U. S. PATENT OFFICE

869

168,645—Continued

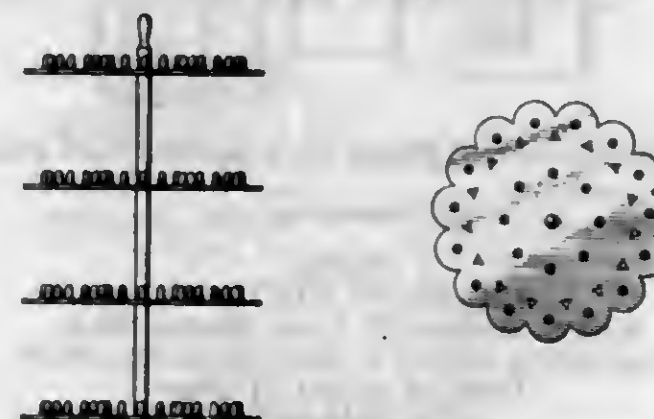


The ornamental design for a stereoscopic viewer, as shown.

168,646

SPOOL HOLDER

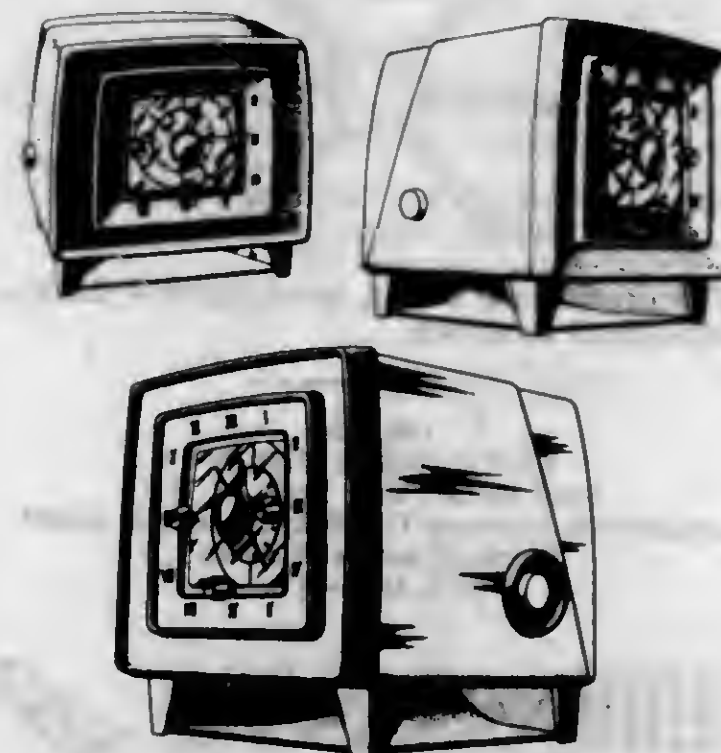
Celeste M. Erickson, Chicago, Ill.
Application September 5, 1952, Serial No. 21,351
Term of patent 14 years
(Cl. D3-19)



The ornamental design for a spool holder, substantially as shown and described.

168,647

CABINET FOR A RADIO RECEIVER
William F. Fox, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application October 23, 1952, Serial No. 21,955
Term of patent 14 years
(Cl. D56-4)



The ornamental design for a cabinet for a radio receiver, as shown and described.

666 O. G.—57

168,648

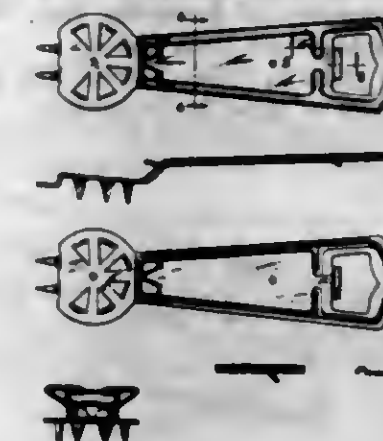
COMBINED HAT AND PUPPET
Frances Glencott, New York, N. Y.
Application April 26, 1951, Serial No. 14,971
Term of patent 14 years
(Cl. D3-13)



The ornamental design for a combined hat and puppet, substantially as shown.

168,649

COMBINED CAN AND BOTTLE OPENER
William E. Gundelfinger, House Springs, Mo.
Application August 30, 1952, Serial No. 21,249
Term of patent 7 years
(Cl. D44-29)

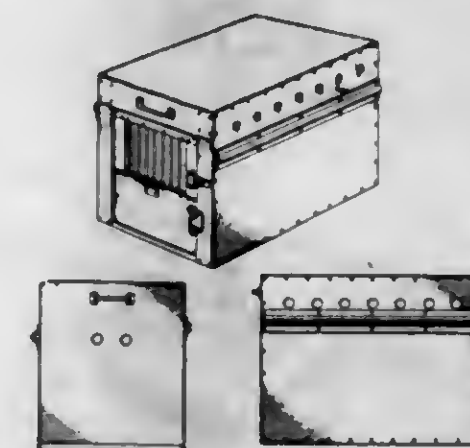


The ornamental design for a combined can and bottle opener, substantially as shown.

168,650

ANIMAL CRATE

Robert K. McKee, Los Angeles, Calif.
Application April 25, 1950, Serial No. 8,464
Term of patent 14 years
(Cl. D12-2)

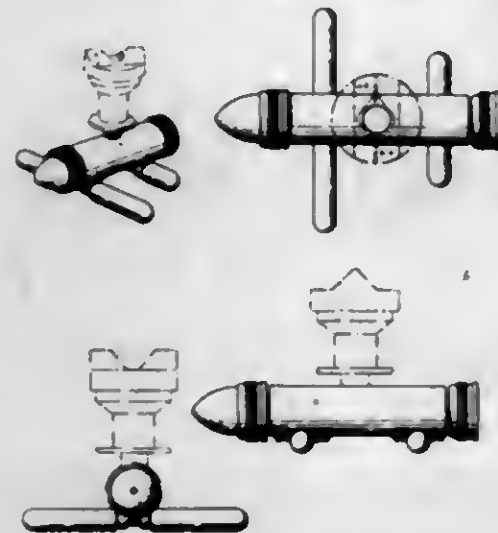


The ornamental design for an animal crate, as shown.

168,651

LAWN SPRINKLER

Michael J. Moran, Detroit, Mich.
Application July 30, 1952, Serial No. 20,824
Term of patent 14 years
(Cl. D91-1)

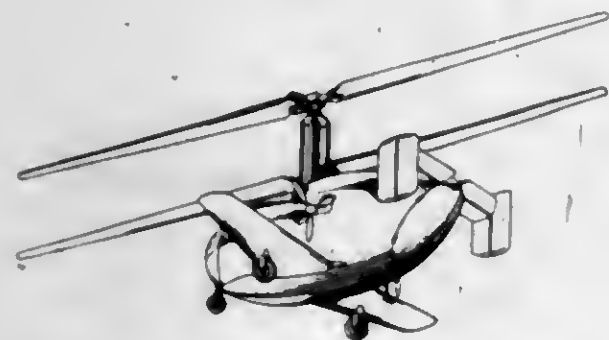
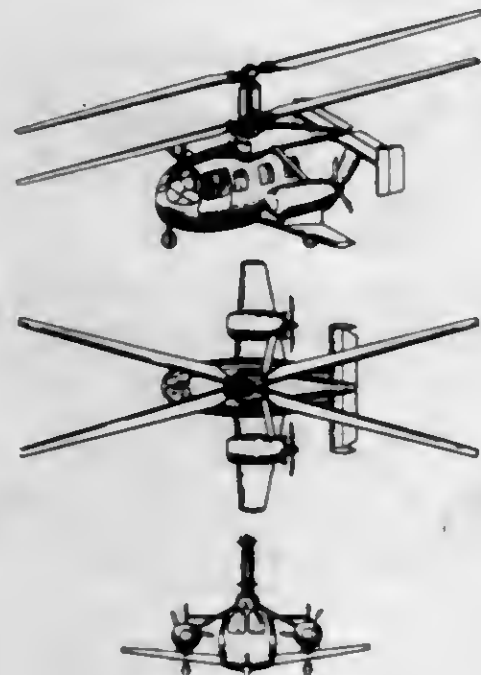


The ornamental design for a lawn sprinkler, as shown and described.

168,652

ROTARY WING AIRCRAFT

Peter J. Papadakos, Brooklyn, N. Y., assignor to Gyrodyne Company of America, Inc., New York, N. Y., a corporation of New York
Application July 7, 1950, Serial No. 10,999
Term of patent 14 years
(Cl. D71-1)

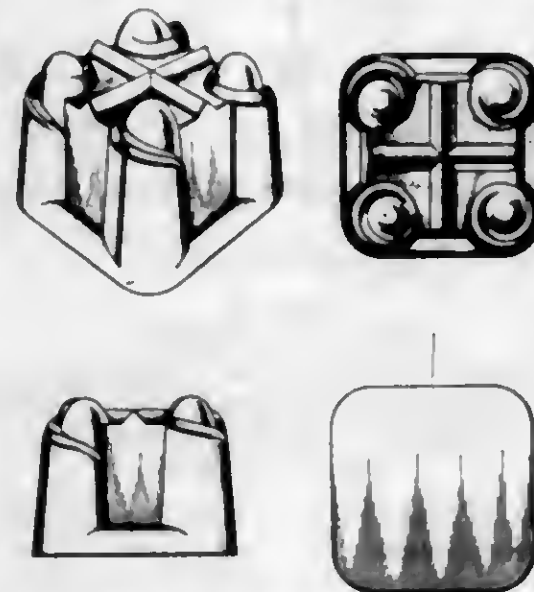


The ornamental design for a rotary wing aircraft, as shown.

168,653

MOLDED FOOD PRODUCT

Leo Peters, Evanston, Ill.
Application April 8, 1952, Serial No. 19,243
Term of patent 14 years
(Cl. D82-2)

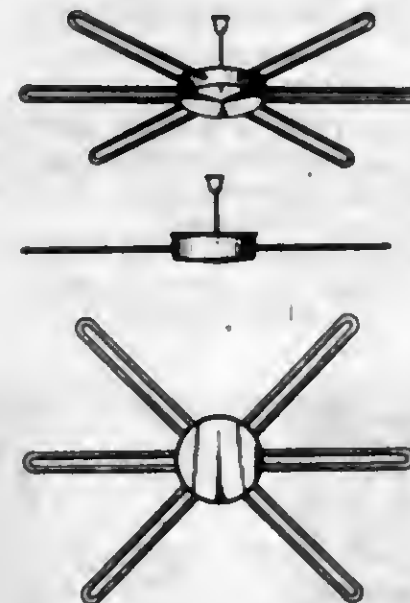


The ornamental design for a molded food product, as shown.

168,654

LIGHTING FIXTURE

Bert C. Pretzer, St. Clair Shores, Mich.
Application March 4, 1952, Serial No. 18,768
Term of patent 14 years
(Cl. D48-23)



The ornamental design for a lighting fixture, substantially as shown.

168,655

EXPANSIBLE CHAIN

Saul Ritter, New York, N. Y.
Application January 11, 1952, Serial No. 18,001
Term of patent 7 years
(Cl. D45-4)

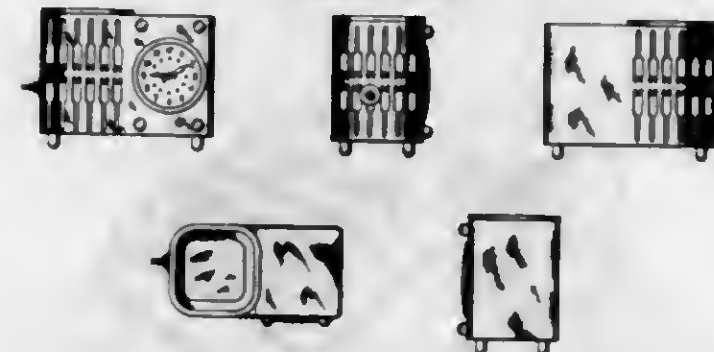


The ornamental design for an expansible chain, as shown and described.

168,656

COMBINATION LAMP, CLOCK AND PLANT HOLDER

Ben Rubin, Chicago, Ill.
Application August 13, 1952, Serial No. 21,031
Term of patent 2 1/2 years
(Cl. D48-20)

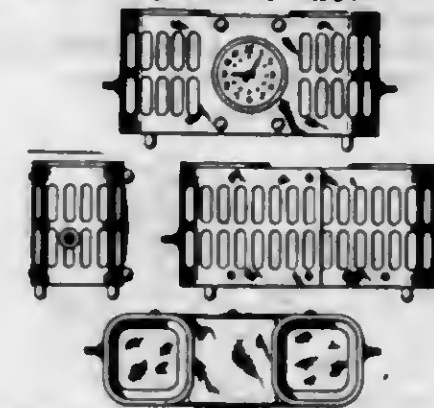


The ornamental design for a combination lamp, clock and plant holder, as shown.

168,657

COMBINATION LAMP, CLOCK AND DUAL PLANT HOLDER

Ben Rubin, Chicago, Ill.
Application August 13, 1952, Serial No. 21,032
Term of patent 2 1/2 years
(Cl. D48-20)

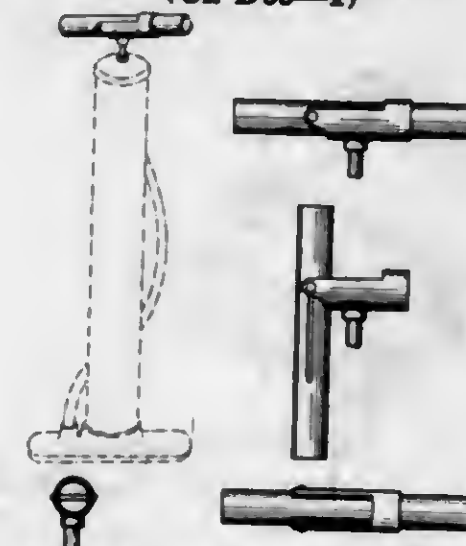


The ornamental design for a combination lamp, clock and dual plant holder, as shown and described.

168,658

PUMP HANDLE

Linus E. Russell, Springfield, Ohio, assignor to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application March 4, 1952, Serial No. 18,767
Term of patent 14 years
(Cl. D65-1)



The ornamental design for a pump handle, substantially as shown and described.

168,659

COMBINED DESK AND SEAT UNIT
Rudolph J. Silverman, Highland Park, Ill.
Application August 23, 1951, Serial No. 16,412
Term of patent 3 1/2 years
(Cl. D33-11)

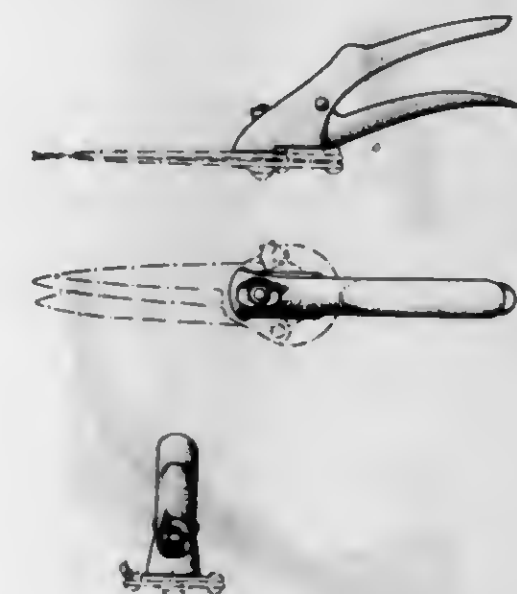


The ornamental design for combined desk and seat unit, substantially as shown and described.

168,660

GRASS SHEARS OR SIMILAR ARTICLE

Charles E. Smith, Reading, Pa.
Application May 10, 1952, Serial No. 19,658
Term of patent 14 years
(Cl. D22-4)

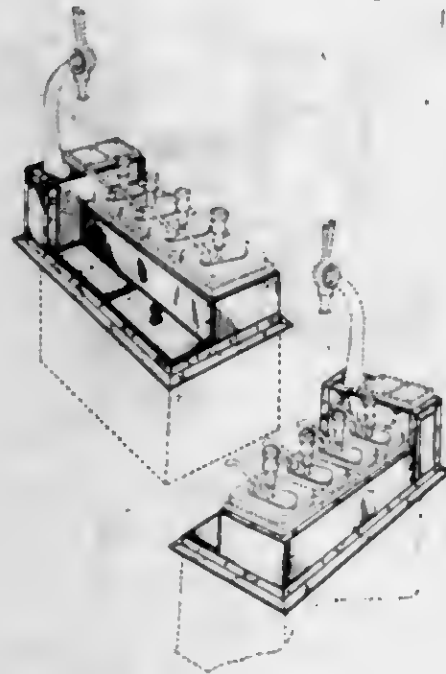


The ornamental design for a grass shears or similar article, as shown and described.

168,661

FOUNTAIN CABINET UNIT

David C. Smith and Werner Livingston,
Denver, Colo.
Application August 28, 1950, Serial No. 11,964
Term of patent 14 years
(Cl. D2—3)

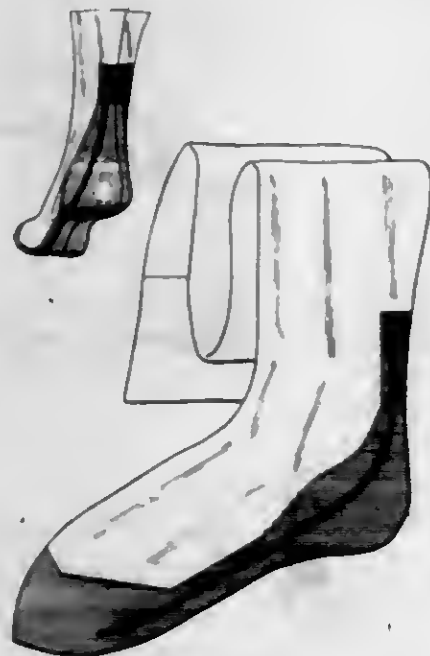


The ornamental design for a fountain cabinet unit, as shown and described.

168,662

STOCKING

George C. Tait, Wyomissing, Pa., assignor to Millway Knitting Mill, Inc., Millway, Pa., a corporation of Pennsylvania
Application April 26, 1950, Serial No. 9,495
Term of patent 14 years
(Cl. D47—7)

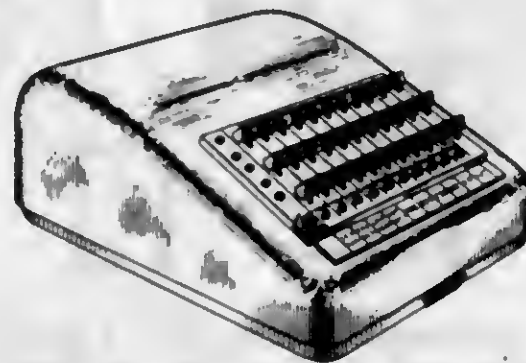


The ornamental design for a stocking, as shown.

168,663

TELEPHONE SWITCHBOARD

Frederick W. Treptow, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1950, Serial No. 12,439
Term of patent 14 years
(Cl. D26—14)

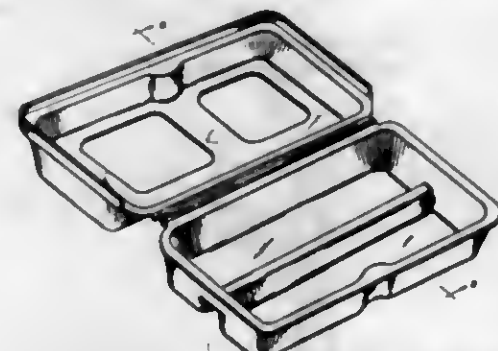
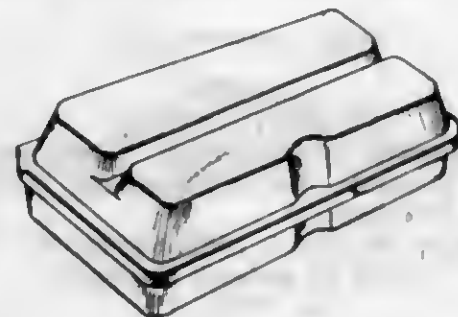
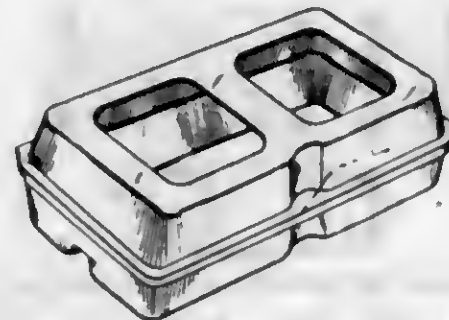


The ornamental design for a telephone switchboard, as shown.

168,664

COMPARTMENTED BOX

Arthur W. Van Dyke, Wantagh, N. Y., assignor to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application November 12, 1952, Serial No. 22,228
Term of patent 14 years
(Cl. D58—13)

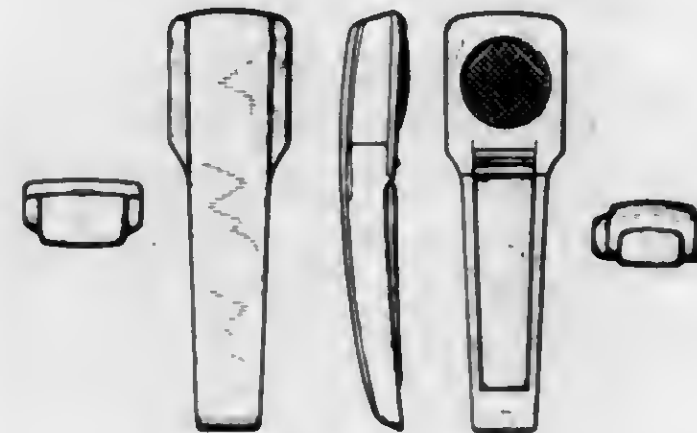


The ornamental design for a compartmented box, as shown and described.

168,665

MICROPHONE

Ruth Louise Whyte, Chesterton, Ind., assignor to Du Kane Corporation, St. Charles, Ill., a corporation of Illinois
Application March 27, 1952, Serial No. 19,065
Term of patent 14 years
(Cl. D26—14)

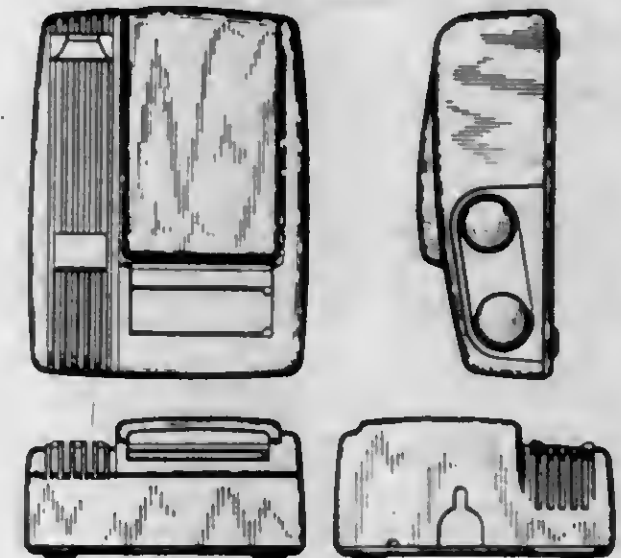


The new and ornamental design for a microphone, as shown.

168,666

RECORDER CABINET FOR ELECTRIC DICTATING MACHINE

Ruth Louise Whyte, Chesterton, Ind., assignor to Du Kane Corporation, St. Charles, Ill., a corporation of Illinois
Application March 27, 1952, Serial No. 19,066
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a recorder cabinet for electric dictating machine, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Abco, Inc., McKeesport, Pa., by change of name from Apter Bros. & Co., Inc. Liquid soap. Serial No. 610,607, Jan. 20. Class 32.
- Abel's Tire Corporation, Rutland, Vt. Re-treaded and vulcanized automobile and truck tires. Serial No. 629,737, Jan. 20. Class 33.
- Addison, John, Footwear, Inc., Marlboro, Mass. Men's work shoes. Serial No. 633,286, Jan. 20. Class 39.
- Aircraft-Marine Products Inc., Harrisburg, Pa. Thermoplastic synthetic resins. Serial No. 619,778, Jan. 20. Class 6.
- Allied Laboratories, Inc., Kansas City, Mo. Antiseptic and bacteriostatic preparation. Serial No. 619,794, Jan. 20. Class 18.
- Aloff, Alexander, doing business under the name Chicago Packing Company, Chicago, Ill. Smoked dried boneless fish. Serial No. 631,909, Jan. 20. Class 46.
- Alpha Kappa Alpha Sorority, Chicago, Ill. Establishing and maintaining membership in a national sorority. Serial No. 597,643, Jan. 20. Class 100.
- Altmann, Bernhard, New York, N. Y. Men's, ladies', and children's coats, overcoats, topcoats, underwear, etc. Serial No. 621,695, Jan. 20. Class 49.
- Altmann, Bernhard, New York, N. Y. Men's, ladies' and children's coats, overcoats, topcoats, etc. Serial No. 624,069, Jan. 20. Class 39.
- American Cyanamid Company, New York, N. Y. Sedative. Serial No. 632,709, Jan. 20. Class 18.
- American Potash & Chemical Corporation, assignee: See—
Eaton Chemicals, Inc.
- American Safety Signal Corporation, Elkhart, Ind. Portable safety signal unit. Serial No. 600,872, Jan. 20. Class 21.
- American Saw and Manufacturing Company, Springfield, Mass. Hole saws. Serial No. 619,796, Jan. 20. Class 23.
- American Steel Dredge Company Inc., Fort Wayne, Ind. Heavy-duty ground growth disintegrating machines. Serial No. 601,636, Jan. 20. Class 23.
- Anderson-Nichols & Company, Boston, Mass. Coordinated technical services to management, etc. Serial No. 620,436, Jan. 20. Class 101.
- Apoteksvarucentralen Vitrum Apotekareaktiebolaget, Stockholm, Sweden. Pharmaceutical and veterinary preparation. Serial No. 621,611, Jan. 20. Class 18.
- Apter Bros. & Co., Inc.: See—
Abco, Inc.
- Arkansas Company Inc., Newark, N. J. Textile treating compositions. Serial No. 635,019, Jan. 20. Class 6.
- Armour and Company, Chicago, Ill. Aspirin. Serial No. 620,437, Jan. 20. Class 18.
- Armour and Company, Chicago, Ill. Veterinary posterior pituitary composition. Serial No. 626,438, Jan. 20. Class 18.
- Associated Manufacturing Company, Pasadena, Calif. Prefabricated plastic covered drainboards. Serial No. 622,289, Jan. 20. Class 13.
- Associated Merchandising Corporation, The, New York, N. Y. Carpet sweepers. Serial No. 628,031, Jan. 20. Class 23.
- Associated Merchandising Corporation, The, New York, N. Y. Outdoor rotary dryers of the laundry type and ironing tables. Serial No. 628,736, Jan. 20. Class 24.
- Autograf Brush & Plastics Co. Incorporated: See—
Tek Hughes, Inc.
- Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Amino acid and multiple vitamin preparation. Serial No. 625,301, Jan. 20. Class 18.
- Baltch & Castaldi, Inc., New York, N. Y. Ladies' misses', and juniors' coats and suits. Serial No. 616,583, Jan. 20. Class 39.
- Balsa Ecuador Lumber Corp., New York, N. Y. Lumber. Serial No. 629,342, Jan. 20. Class 12.
- Basca Manufacturing Company, Inc., Indianapolis, Ind. Sheet metal tumblers and bowls. Serial No. 631,040, Jan. 20. Class 13.
- Batt, William H., doing business as Dan Morgan, Fisherman, Baltimore, Md. Preparation for application to material or artificial bait. Serial No. 632,976, Jan. 20. Class 6.
- Bayley, William, Company, The, Springfield, Ohio. School and institution windows. Serial No. 628,242, Jan. 20. Class 12.
- Bellsey, Dave, Co. Inc., New York, N. Y. Ladies' misses' coats and suits. Serial No. 627,309, Jan. 20. Class 39.
- Bennett, Mary E., doing business as T. Bennett Chemical Co., Newark, N. J. Medicament. Serial No. 609,471, Jan. 20. Class 18.
- Bennett, T. Chemical Co.: See—
Bennett, Mary E.
- Bersworth Chemical Company, Framingham, Mass. Complexing, chelating, or sequestering agents. Serial No. 624,017, Jan. 20. Class 6.
- Bloomer Bros. Company, Newark, N. Y. Cardboard food cartons. Serial No. 614,863, Jan. 20. Class 2.
- Borg-Warner Corporation, Chicago, Ill. Clutch assemblies, clutch driven discs, multiple disc clutches, etc. Serial Nos. 615,684-5, Jan. 20. Class 23.
- Breneman-Hartshorn Inc., assignee: See—
Stewart Hartshorn Company.
- Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. Serial No. 603,760, Jan. 20. Class 17.
- Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. Serial No. 603,762, Jan. 20. Class 17.
- Burlington Basket Company, Burlington, Iowa. Basket cribs, baby baskets. Serial No. 613,497, Jan. 20. Class 32.
- Cameron, Wm., & Co., doing business under the name Ideal Company, Waco, Tex. Assembled door units. Serial No. 623,332, Jan. 20. Class 12.
- Carter Carburetor Corporation, St. Louis, Mo. Liquid fuel filters and parts thereof. Serial No. 611,889, Jan. 20. Class 31.
- Cassella Farbwerke Mainkur, Frankfurt-on-the-Main-Fechenheim, Germany. Dyestuffs. Serial No. 609,783, Jan. 20. Class 6.
- Caughy Footwear, Inc., New York, N. Y. Ladies' and misses' shoes. Serial No. 614,615, Jan. 20. Class 39.
- Cedar-Lux Products Company, Inc., Kansas City, Mo. Dry paint powder. Serial No. 615,008, Jan. 20. Class 16.
- Century Lighting, Inc., New York, N. Y. Electrical lighting units. Serial No. 627,113, Jan. 20. Class 21.
- Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Automobiles commonly employed as taxicabs. Serial No. 612,002, Jan. 20. Class 19.
- Chemical Research Products: See—
Tharp, Ruby M.
- Chicago Packing Company: See—
Aloff, Alexander.
- Chic, Incorporated: See—
Struhl, Morris, Inc.
- Church & Company Limited, Northampton, England. Boots, shoes, gaiters and spats. Serial No. 624,778, Jan. 20. Class 39.
- Ciba Limited, Basel, Switzerland. Coal tar colors. Serial No. 632,920, Jan. 20. Class 6.
- Cockshutt Farm Equipment Limited: See—
Cockshutt Plow Company, Limited.
- Cockshutt Plow Company, Limited, Brantford, Ontario, Canada, now by change of name, Cockshutt Farm Equipment Limited. Farm wagons, farm trucks, farm trailers, etc. Serial No. 571,710, Jan. 20. Class 19.
- Colonial Knife Company, Inc., Providence, R. I. Table knives, paring knives, bread knives, etc. Serial No. 596,983, Jan. 20. Class 23.
- Columbia Mills, Inc., The, Syracuse, N. Y. Window shade rollers. Serial No. 631,605, Jan. 20. Class 32.
- Commercial Solvents Corporation, New York, N. Y. Vitamin concentrates. Serial No. 616,366, Jan. 20. Class 18.
- Connor, W. B., Engineering Corp., New York, N. Y., and Danbury, Conn. Air purifying devices. Serial No. 616,948, Jan. 20. Class 34.
- Consolidated Royal Chemical Corporation, Chicago, Ill. Solution for artificial coloring grey hair. Serial No. 604,471, Jan. 20. Class 51.
- Consumer Packs Limited, Kingston-upon-Hull, England. Boxes and cans. Serial No. 620,197, Jan. 20. Class 2.
- Continental Copper & Steel Industries, Inc., Holyoke, Mass., and New York, N. Y. Plows. Serial No. 619,450, Jan. 20. Class 23.
- Cotton, John, Limited, Edinburgh, Scotland. Cigarettes. Serial No. 621,391, Jan. 20. Class 17.
- Country Squire Publishing Corporation, The, assignee: See—
Country Squire, The.
- Country Squire, The, assignor to The Country Squire Publishing Corporation, Greenwich, Conn. Periodical. Serial No. 609,168, Jan. 20. Class 38.
- Coy Products, Rock Island, Ill. Medicinal tablets. Serial No. 617,491, Jan. 20. Class 18.
- Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's and boys' shoes. Serial No. 611,769, Jan. 20. Class 39.
- Craftmaster Inc. of Washington, Seattle, Wash. Sofa beds. Serial No. 631,606, Jan. 20. Class 32.
- D-H Engineering & Manufacturing Co., Ziegler, Ill. Mud guards. Serial No. 618,483, Jan. 20. Class 19.
- D K Manufacturing Company, Chicago, Ill. Flexible metal hose. Serial No. 636,843, Jan. 20. Class 35.
- Dannen Mills, Inc., St. Joseph, Mo. Vitamin and antibiotic enriched hog feed supplement. Serial No. 617,603, Jan. 20. Class 18.

LIST OF TRADE-MARK APPLICANTS

Davidson Chemical Corporation, The, Baltimore, Md. Fertilizers. Serial Nos. 628,142-4, Jan. 20. Class 10.

Dell-Mann Fashions, Inc., New York, N. Y. Ladies' coats. Serial No. 631,343, Jan. 20. Class 39.

Delta Match Aktiebolag, Jonkoping, Sweden. Matches. Serial No. 631,852, Jan. 20. Class 9.

Diamond Alkali Company, Cleveland, Ohio. Bicarbonate of soda incorporating a small amount of tricalcium phosphate. Serial No. 605,512, Jan. 20. Class 6.

Dior, Christian, Perfumes Corp., New York, N. Y. Face and body creams, skin and hair lotions, face and body powders, etc. Serial No. 622,769, Jan. 20. Class 51.

Dior, Christian, Perfumes Corp., New York, N. Y. Perfumes, toilet waters, rouge, etc. Serial No. 622,770, Jan. 20. Class 51.

Dolge, C. B., Company, The, Westport, Conn. Cleaning and scouring compound. Serial No. 615,213, Jan. 20. Class 52.

Donnelly, R. R., & Sons Company, Chicago, Ill. Binding of books, pamphlets, catalogues, etc. Serial No. 614,428, Jan. 20. Class 100.

Donnelly, R. R., & Sons Company, Chicago, Ill. Printing, photoengraving, lithographing, etc., work. Serial No. 627,581, Jan. 20. Class 101.

Doele & Johnson Co., Milwaukee, Wis. Books, picture post cards, wall calendars, etc. Serial No. 610,836, Jan. 20. Class 51.

Dow Jones & Company, Inc., New York, N. Y. Feature column in publications. Serial No. 598,898, Jan. 20. Class 38.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Vitamin compounds and vitamin preparations. Serial No. 620,405, Jan. 20. Class 18.

Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. Serial No. 631,205, Jan. 20. Class 32.

Economy Sewing Machine Center, Philadelphia, Pa. Sewing machines and parts and attachments therefor. Serial No. 632,020, Jan. 20. Class 23.

Edbert, Inc., Dallas, Tex. Chairs. Serial No. 631,981, Jan. 20. Class 32.

Edgar Products, Brooklyn, N. Y. Hair treating article. Serial No. 631,152, Jan. 20. Class 51.

El Dorado Oil Works, San Francisco, Calif. Fatty acids derived from coconut oil. Serial No. 625,525, Jan. 20. Class 6.

Equitable Paper Bag Co., Inc., Long Island City, N. Y. Paper bags. Serial No. 631,728, Jan. 20. Class 2.

Eaton Chemicals, Inc., Los Angeles, Calif., assignor to American Potash & Chemical Corporation. Insecticides. Serial No. 633,103, Jan. 20. Class 6.

Eaton Chemicals, Inc., Los Angeles, Calif., assignor to American Potash & Chemical Corporation. Defoliants. Serial No. 633,104, Jan. 20. Class 6.

Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Specially coated metal electrode. Serial No. 628,402, Jan. 20. Class 21.

Etablissements Veuve Louis Tant, Roulers, Belgium. Women's dresses, aprons, blouses, etc. Serial No. 605,753, Jan. 20. Class 39.

Farbwerke Hoechst, vormals Meister Lucius & Brüning, Frankfurt-on-the-Main-Hochst, Germany. Medicines. Serial No. 615,430, Jan. 20. Class 18.

Farmers Educational and Cooperative Union of America, Denver, Colo. Fertilizer. Serial No. 615,977, Jan. 20. Class 10.

Ferber, Murray, doing business under the name and style of Marlboro Automotive Co., New York, N. Y. Automotive spare parts. Serial No. 604,081, Jan. 20. Class 23.

Ferry Wm., Co., Constantia, N. Y. Horn ventilators. Serial No. 609,852, Jan. 20. Class 34.

Filotechnica Salmistrighi S. A., Milano, Italy. Lenses for eye-glasses, prisms for optical use, prismatic monacles, etc. Serial No. 601,804, Jan. 20. Class 26.

Filtakote Company, The, New York, N. Y. Roofing shingles. Serial No. 626,623, Jan. 20. Class 12.

Florsheim Shoe Company, The, Chicago, Ill. Footwear. Serial No. 607,804, Jan. 20. Class 39.

Food Machinery and Chemical Corporation, San Jose, Calif. Agricultural and horticultural spraying and dusting machines. Serial No. 578,925, Jan. 20. Class 23.

Food Machinery and Chemical Corporation, San Jose, Calif. Defoliants. Serial No. 618,031, Jan. 20. Class 6.

Foundry Services Limited, Birmingham, England. Exothermic compounds. Serial No. 624,266, Jan. 20. Class 6.

Fram Corporation, Providence, R. I. Filter cartridges. Serial No. 608,350, Jan. 20. Class 31.

Fry Brothers Co., The, Cincinnati, Ohio. Chemical compounds for dry cleaning. Serial No. 604,375, Jan. 20. Class 52.

Gardner Board and Carton Co., The, Middletown, Ohio. Paperboard cartons. Serial No. 617,288, Jan. 20. Class 2.

Gehlar, Mark U., doing business as Oregon Fruit Products Co., Salem, Oreg. Canned fruits and canned berries. Serial No. 634,368-9, Jan. 20. Class 46.

General Dyestuff Corporation, New York, N. Y. Coloring materials. Serial No. 617,396, Jan. 20. Class 6.

Gibbons Bros. Rotary Company Limited, Birmingham, England. Vegetable cutters (hand tools). Serial No. 623,413, Jan. 20. Class 23.

Giovino, G., Company, Boston, Mass. Canned vegetables, canned fruits, chili sauce, etc. Serial No. 547,724, Jan. 20. Class 46.

Glen of Michigan, Inc., Milwaukee, Wis. Ladies', misses', and junior misses' dresses, suits, and coats. Serial No. 632,520, Jan. 20. Class 39.

Glider Trailer Co., Chicago, Ill. House trailers. Serial No. 631,799, Jan. 20. Class 19.

Gold Star Publications, Inc., Washington, D. C. Periodical publication. Serial No. 629,792, Jan. 20. Class 38.

Golden Horn Chocolate Co., Inc. See—

N. V. Biscuit-en Chocoladefabriek "Victoria".

Goodall-Sanford, Inc., Sanford, Maine. Piece goods. Serial No. 626,790, Jan. 20. Class 42.

Goodrich, H. F., Company, The, New York, N. Y., and Akron, Ohio. Footwear. Serial No. 612,069, Jan. 20. Class 39.

Goss Printing Press Company, The, Chicago, Ill. Rotary printing presses, stereotype-casting boxes, and stereotype-plate-trimming mechanism. Serial No. 622,994, Jan. 20. Class 23.

Great Lakes Steel Corporation, Ecorse, Detroit, Mich. Ready-mixed paint. Serial No. 576,694, Jan. 20. Class 16.

Greenhouse, Sylvia R., doing business as Skin Rite Company, St. Louis, Mo. Medicinal lotion. Serial No. 624,485, Jan. 20. Class 18.

Haas Miller Corporation, Philadelphia, Pa. Liquid cationic cleaner. Serial No. 619,018, Jan. 20. Class 52.

Haeger Pottery, Inc., The, Dundee, Ill. Various ceramic articles, namely, vases, bowls, etc. Serial No. 616,828, Jan. 20. Class 30.

Hagele, Frieda A., doing business as Vel-Foot Co., Philadelphia, Pa. Preparation for the treatment of Tinea or athlete's foot, foot odors, etc. Serial No. 618,086, Jan. 20. Class 18.

Hamilton County Republican Executive Committee, Cincinnati, Ohio. Publication. Serial No. 591,571, Jan. 20. Class 38.

Hamilton Shoe Company, St. Louis, Mo. Women's shoes. Serial No. 632,935, Jan. 20. Class 39.

Hannah Laboratories, Inc., Monterey, Calif. Emollient cream. Serial No. 630,931, Jan. 20. Class 18.

Happy Felton Products, Inc., New York, N. Y. Entertainment service. Serial No. 615,706, Jan. 20. Class 107.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Liquid medicinal preparation. Serial No. 632,707, Jan. 20. Class 18.

Hat Corporation of America, Norwalk, Conn. Straw hats. Serial No. 631,556, Jan. 20. Class 39.

Hawkinson, Paul E., Company, Minneapolis, Minn. Hydraulic pumps. Serial No. 622,825, Jan. 20. Class 23.

Hellige, Inc., Long Island City, N. Y. Laboratory apparatus. Serial No. 602,451, Jan. 20. Class 26.

Helme, George W., Company, New York, N. Y. Snuff. Serial No. 590,662, Jan. 20. Class 17.

Highland Container Company, Inc., Jamestown, N. C. Corrugated cardboard cartons. Serial No. 624,948, Jan. 20. Class 2.

Hoodenpyl, M. P., doing business as Remedol Laboratories, Nashville, Tenn. Medicinal preparation. Serial No. 621,310, Jan. 20. Class 18.

Household Utilities Co., Milwaukee, Wis. Plastic window shade pull. Serial No. 628,275, Jan. 20. Class 32.

Hawbut Company, Richmond, Va. Medicinal preparation. Serial No. 619,546, Jan. 20. Class 18.

Hunter Douglas Corporation, New York, N. Y. Venetian blinds. Serial No. 630,412-14, Jan. 20. Class 32.

Husco Shoe Company, Honesdale, Pa. Footwear. Serial No. 629,369, Jan. 20. Class 39.

Hyer, C. H., & Sons, Olathe, Kans. Boots and shoes. Serial No. 627,943, Jan. 20. Class 39.

Ideal Company: See—

Cameron, Wm., & Co.

Isaacs, I. C., & Company, Inc., Baltimore, Md. Ladies' and men's slacks. Serial Nos. 628,859-60, Jan. 20. Class 39.

J F D Manufacturing Co., Inc., Brooklyn, N. Y. Television antenna. Serial Nos. 631,869-70, Jan. 20. Class 21.

Jacob's Creek Flagstone Company, Inc., Mount-Gilead, N. C. Finished flagstone and building stone. Serial No. 628,341, Jan. 20. Class 12.

Jacobs, Edward, Baltimore, Md. Ladies' and men's clothing. Serial No. 620,966, Jan. 20. Class 39.

Jaymar Specialty Company, Brooklyn, N. Y. Toy. Serial No. 697,277, Jan. 20. Class 22.

Johnson & Johnson, assignee: See—

Tek Hughes, Inc.

Jolly Kids Togs, Chicago, Ill. Infants' sleeping garments. Serial No. 610,175, Jan. 20. Class 39.

Kalamazoo Pant Company, Kalamazoo, Mich. Slacks. Serial No. 631,428, Jan. 20. Class 39.

Klenzade Products, Incorporated, Beloit, Wis. Liquid disinfectant and germicide. Serial No. 626,380, Jan. 20. Class 6.

Koret of California, Inc., San Francisco, Calif. Women's, misses', and children's dresses, halters, outer shorts, etc. Serial No. 610,914, Jan. 20. Class 39.

Koret of California, Inc., San Francisco, Calif. Women's, misses', and children's dresses, halters, outer shorts, etc. Serial No. 630,009, Jan. 20. Class 39.

Kress, S. H., and Company, New York, N. Y. Braids and binding and finishing tapes. Serial No. 626,433, Jan. 20. Class 40.

LIST OF TRADE-MARK APPLICANTS

Krisa, Norman H., doing business as Roberts Sales Company, Columbus, Ohio. Cleaning preparation. Serial No. 629,801, Jan. 20. Class 52.

Kroywen Coats, Inc., New York, N. Y. Misses' and ladies' coats and suits. Serial No. 631,609, Jan. 20. Class 39.

Lally, R., Co., Evanston, Ill. Commercial laundry and dry cleaning press covers, etc. Serial No. 664,243, Jan. 20. Class 24.

Lax-C-Fern: See—

Newhouse, Abraham.

Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Ladies' denim riding pants. Serial No. 632,842, Jan. 20. Class 39.

Lehman Novelty Mfg. Co., Newark, N. J. Genuine and imitation pearls and jewelry. Serial No. 622,833, Jan. 20. Class 28.

Level-Line Cellings Inc., New York, N. Y. Metal clips. Serial No. 621,309, Jan. 20. Class 13.

Lighter Parts, Inc., Pittsburgh, Pa. Lighter wicks. Serial No. 622,053, Jan. 20. Class 8.

Liverant, Moses, doing business as Yorkana Cigar Company, York, Pa. Cigars. Serial No. 631,110, Jan. 20. Class 17.

Lowe, Joe, Corporation, New York, N. Y. Handle sticks for confectionery products. Serial No. 611,796, Jan. 20. Class 13.

Lutkin Rule Company, The, Saginaw, Mich. Measuring tapes and spring dividers. Serial No. 615,988, Jan. 20. Class 26.

Lumbar-Watson Co., Auburn, Maine. Women's shoes. Serial No. 628,544, Jan. 20. Class 39.

Macy, H. H., & Co., Inc., New York, N. Y. Men's shoes. Serial No. 627,203, Jan. 20. Class 39.

Maltbie Chemical Company, The, Newark, N. J., now by change of name Maltbie Laboratories, Inc. Preparation for the medical management of biliary disease. Serial No. 590,351, Jan. 20. Class 18.

Maltbie Laboratories, Inc.: See—

Maltbie Chemical Company, The.

Mangel-Scheuermann & Oetters, Inc., Philadelphia, Pa., and Brooklyn, N. Y. Syrup made from grains and used principally in the process of brewing beer and ale. Serial No. 627,587, Jan. 20. Class 48.

Marlboro Automotive Co.: See—

Ferber, Murray.

Marose Company, Inc., Thomasville, Ga. Popcorn, vegetable oils, and popcorn oil. Serial No. 622,114, Jan. 20. Class 46.

Marsson, Paul: See—

Marsson, Paul, Inc.

Marsson, Paul, Inc., also doing business as Paul Marsson and Paul Marsson Vineyards, Cupertino, Calif. Red champagne. Serial No. 613,080, Jan. 20. Class 47.

Marsson, Paul, Vineyards: See—

Marsson, Paul, Inc.

Matheson Chemical Corporation, assignee: See—

Squibb, E. R., & Sons.

McHenry, Josephine, Newport, R. I. Books. Serial No. 630,605, Jan. 20. Class 38.

McNeill Laboratories, Incorporated, Philadelphia, Pa. Medicinal capsules and tablets. Serial No. 608,826, Jan. 20. Class 18.

Metropolitan Shoemakers, Inc., Chicago, Ill. Ladies' shoes. Serial No. 630,195, Jan. 20. Class 39.

Meyer Both Company, Chicago, Ill., assignee of Western Adamats, Inc. Advertising services. Serial No. 602,430, Jan. 20. Class 101.

Michels, Peter J., Inc., Brooklyn, N. Y. Barbers' razors and shears. Serial No. 625,914, Jan. 20. Class 23.

Middleby, Joseph, Jr., Inc., Boston, Mass. Fruit and cream pie fillings, pastry fillings, fruit jam, etc. Serial No. 632,437, Jan. 20. Class 46.

Miller, Albert L., Kansas City, Mo. Artificial fish bait. Serial No. 629,311, Jan. 20. Class 22.

Miller and Rhoads, Incorporated, Richmond, Va. Cooking utensils, metal lawn sprinklers, and garden hose nozzles, etc. Serial No. 623,102, Jan. 20. Class 13.

Minder Bros. Meat Supply Co., Seattle, Wash. Frozen layer steaks. Serial No. 598,921, Jan. 20. Class 46.

Mine and Smelter Supply Company, The, Denver, Colo. Grinding mills. Serial No. 602,207, Jan. 20. Class 23.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Fiber composition board, and for surface coated fiber board. Serial No. 629,501, Jan. 20. Class 12.

Mohawk Rubber Company, The, Akron, Ohio. Uncured ready-built tire repair patch units. Serial No. 626,890, Jan. 20. Class 35.

Morgan, Dan, Fisherman: See—

Batt, William H.

Mulline Manufacturing Corporation, Salem and Warren, Ohio. Stamped, pressed, or drawn steel sinks and combined dishwasher sinks, etc. Serial No. 623,666, Jan. 20. Class 13.

Musebeck Shoe Company, Oconomowoc, Wis. Men's, women's, and children's shoes. Serial No. 629,176, Jan. 20. Class 39.

N. V. Biscuit-en Chocoladefabriek "Victoria", doing business as Golden Horn Chocolate Co., Dordrecht, Netherlands. Candy. Serial Nos. 633,502-3, Jan. 20. Class 40.

National Bellas Hess, Inc., North Kansas City, Mo. Women's and girls' shoes, slippers, and loafers. Serial No. 629,453, Jan. 20. Class 39.

National Can Corporation, New York, N. Y. Ornamented metallic storage and refuse receiving containers. Serial No. 623,078, Jan. 20. Class 2.

National Glove Company, The, Columbus, Ohio. Gloves. Serial No. 633,463, Jan. 20. Class 39.

National Mattress Company, Huntington, W. Va. Mattresses. Serial No. 631,115, Jan. 20. Class 32.

Newhouse, Abraham, doing business under the name and style of Lax-C-Fern, Brooklyn, N. Y. Laxative. Serial No. 590,451, Jan. 20. Class 18.

Nordberg Manufacturing Company, Milwaukee, Wis. Internal combustion engines. Serial Nos. 631,763-6, Jan. 20. Class 23.

Norkon Pharmacal, Inc., New York, N. Y. Analgesic-antacid and antipyretic. Serial No. 625,366, Jan. 20. Class 18.

North American Mogul Products Company, The, Cleveland, Ohio. Compounds for the inhibiting and preventing of rust, scale, etc., in boilers, furnaces, etc. Serial No. 623,607, Jan. 20. Class 6.

Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Girls' bicycles. Serial No. 623,037, Jan. 20. Class 19.

Oakley, Annie, Enterprises, Inc., assignee: See—

Oakley, Annie, Enterprises.

Gila Industries, Inc., East Alton, Ill. Shot shells, rifle and pistol cartridges. Serial No. 625,290, Jan. 20. Class 8.

Oregon Fruit Products Co.: See—

Gehlar, Mark G.

Organon Inc., Orange, N. J. Biological preparation. Serial No. 637,608, Jan. 20. Class 18.

Ortho Pharmaceutical Corporation, Raritan, N. J. Rubber vaginal diaphragms, diaphragm introducers, vaginal applicators, etc. Serial No. 622,168, Jan. 20. Class 44.

Pachter-Garment Co. Inc., Kansas City, Mo. Ladies' coats and suits. Serial No. 628,504, Jan. 20. Class 39.

Packard Motor Car Company, Detroit, Mich. Automotive vehicles. Serial No. 631,563, Jan. 20. Class 19.

Parker Road Proof Company, Detroit, Mich. Metals and metal castings and forgings. Serial No. 617,210, Jan. 20. Class 14.

Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y. Gasket cement. Serial No. 622,225, Jan. 20. Class 5.

Peters, Leo, Evanston, Ill. Ice cream, frozen custard, sherbet, and cheese. Serial No. 613,730, Jan. 20. Class 46.

Phaser, Chas., & Co., Inc., Brooklyn, N. Y. Antibiotic lozenges. Serial No. 637,789, Jan. 20. Class 18.

Philipp Brothers Chemicals, Inc., New York, N. Y. Acetone, acetic acid, benzoic acid, etc. Serial No. 624,795, Jan. 20. Class 6.

Phillips, Homer L., Charleston, W. Va. Carbon holder for use in arc lamps. Serial No. 619,849, Jan. 20. Class 21.

Pik Manufacturing, New York, N. Y. Costume jewelry. Serial No. 623,614, Jan. 20. Class 28.

Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Insecticides and disinfectants. Serial No. 628,708, Jan. 20. Class 6.

Pioneer of Willard: See—

Pioneer Rubber Company, The.

Pioneer Rubber Company, The, doing business as Pioneer of Willard, Willard, Ohio. Emulsion for application to the hands and other parts of the body. Serial No. 609,344, Jan. 20. Class 18.

Pope, Charles K., Sr., Memphis, Tenn. Perfumes. Serial No. 625,123, Jan. 20. Class 61.

Pratt & Lambert, Inc., Buffalo, N. Y. Wall paint. Serial No. 631,815, Jan. 20. Class 16.

Productive Equipment Corporation, Chicago, Ill. Vibrating screens. Serial No. 584,947, Jan. 20. Class 23.

Purdue Frederick Company, The, New York, N. Y. Solution of essential nutrients. Serial No. 630,023, Jan. 20. Class 18.

Quick Charge, Inc., Oklahoma City, Okla. Gas water-heaters. Serial No. 632,386, Jan. 20. Class 34.

Real Adventures Publishing Company, Inc., New York, N. Y. Periodical and a cartoon strip. Serial No. 630,349, Jan. 20. Class 38.

Reardon Company, The, St. Louis, Mo. Wall paper paste. Serial No. 620,623, Jan. 20. Class 5.

Reese, Michael, Research Foundation, Chicago, Ill. Biologics. Serial No. 585,189, Jan. 20. Class 18.

Reflector-Hardware Corporation, Chicago, Ill. Retail store display equipment. Serial No. 622,728, Jan. 20. Class 32.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins and synthetic resin solutions. Serial No. 632,900, Jan. 20. Class 6.

Remedol Laboratories: See—

Hoodenpyl, M. P.

Renurel Cosmetics: See—

Urban, Germaine.

Richards, Caryl, Inc., Brooklyn, N. Y. Complete permanent wave units. Serial No. 622,170, Jan. 20. Class 44.

Richkraft Company, The, Chicago, Ill. Metal finishing and corner strip. Serial No. 624,359, Jan. 20. Class 12.

Ritter, Melrod, New York, N. Y. Women's and misses' dresses, suits, skirts, etc. Serial No. 628,219, Jan. 20. Class 39.

LIST OF TRADE-MARK APPLICANTS

Robbins & Myers, Inc., Springfield, Ohio. Rotary pumps and compressors. Serial No. 629,692, Jan. 20. Class 23.

Roberts Sales Company: See—
Krisa, Norman H.

Rogers Used Clothing Co., Inc., New York, N. Y. Bales of used clothing. Serial No. 625,821, Jan. 20. Class 39.

Rosen & Son Dress Co., Inc., Boston, Mass. Women's dresses, coats, dress and jacket ensembles, suits, etc. Serial No. 626,533, Jan. 20. Class 39.

Royal Robes, Inc., New York, N. Y. Men's and boys' lounging robes and men's smoking jackets. Serial No. 626,533, Jan. 20. Class 39.

Royal Robes, Inc., New York, N. Y. Men's and boys' beach robes and beach jackets. Serial No. 626,533, Jan. 20. Class 39.

Rudd-Melikian, Inc., Philadelphia, Pa. Repair and maintenance of vending machines. Serial No. 577,498, Jan. 20. Class 103.

Rugcoffers, Inc., New York, N. Y. Textile rugs and carpets. Serial No. 632,391, Jan. 20. Class 42.

Sakloka Farms, Los Angeles and West Los Angeles, Calif. Fresh vegetables. Serial No. 632,892, Jan. 20. Class 46.

Salem Co., Inc., The, Winston-Salem, N. C. Men's, women's, boys', girls' and children's work and play clothes. Serial Nos. 622,188-9, Jan. 20. Class 39.

Saltason Drapery Company, Philadelphia, Pa. Furniture slip covers, studio and davenport covers. Serial No. 612,429, Jan. 20. Class 32.

Sandee Manufacturing Company, Chicago, Ill. Extruded sections and sheets of organic synthetic plastic material for use as panel sections and grids in fluorescent lighting fixtures. Serial No. 617,934, Jan. 20. Class 21.

Sarra & Sons, Inc., Lynn, Mass. Shoes. Serial No. 629,936, Jan. 20. Class 39.

Sawitzky, E. & Bro., Inc., New York, N. Y. Men's and boys' clothing. Serial No. 630,734, Jan. 20. Class 39.

Schaefer & Kassel, New York, N. Y. Textile fabrics. Serial No. 629,616, Jan. 20. Class 42.

Schalet-Pollack Corporation, New York, N. Y. Buttons. Serial No. 587,825, Jan. 20. Class 40.

Schallenger & Co.: See—
Schallenger, Robert R.

Schallenger, Robert R., doing business as Schallenger & Co., San Francisco, Calif. Pharmaceutical preparation. Serial No. 627,279, Jan. 20. Class 18.

Schenk, Carl R., doing business under the name and style of Unitech Products, Union, N. J. Lubricant added to the lubricating oil and gasoline. Serial No. 605,280, Jan. 20. Class 13.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 630,804, Jan. 20. Class 39.

Servei Inc., Evanville, Ind., and New York, N. Y. Refrigerators, refrigerator parts, automatic refrigerators, etc. Serial No. 632,491, Jan. 20. Class 31.

Shelton, Donald C., San Diego, Calif. Thermometers. Serial No. 606,733, Jan. 20. Class 26.

Sherer-Gillett Company, Marshall, Mich. Storage and display food refrigerators, bottle coolers, ice cube makers, etc. Serial No. 632,695, Jan. 20. Class 31.

Sherman Footwear Company, Marlboro, Mass. Shoes and slippers. Serial No. 611,744, Jan. 20. Class 39.

Silbert, M. & Son, Ltd., Los Angeles, Calif. Women's and misses' suits and coats. Serial No. 628,066, Jan. 20. Class 39.

Simmons Company, New York, N. Y. Mattresses. Serial No. 629,128, Jan. 20. Class 32.

Siadar Corporation, New York, N. Y. Liquid preparation for degreasing cutaneous surfaces. Serial No. 614,831, Jan. 20. Class 18.

Skin Rite Company: See—
Greenhouse, Sylvia R.

Sklaroff Brothers, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 631,379, Jan. 20. Class 39.

Smaldone, Frank M., Los Angeles, Calif. Masking device or stencil for use in applying liquid polish to fingernails. Serial No. 588,233, Jan. 20. Class 43.

Snowden Instrument Company: See—
Snowden, Leonard R.

Snowden, Leonard R., doing business as Snowden Instrument Company, Los Gatos, Calif. Surgical needle holders and precision fitted jaw inserts therefor. Serial No. 621,912, Jan. 20. Class 44.

Société des Usines Chimiques Rhône-Poulenc, Paris, France. Anti-spasmodic active in Parkinson's disease. Serial No. 591,201, Jan. 20. Class 18.

Société Française des Pleurs Frankignoul, Société Anonyme, Paris, France. Foundation pills. Serial Nos. 617,335-6, Jan. 20. Class 12.

Société Genevoise d'Instruments de Physique, Geneva, Switzerland. High precision machine tools. Serial No. 617,819, Jan. 20. Class 23.

Solnit Shoe Co., Los Angeles, Calif. Boots and shoes. Serial No. 627,707, Jan. 20. Class 30.

Spaight, Harold L., Cedar Rapids, Iowa. Wall reinforcing member comprising a bent or fabricated unit. Serial No. 629,826, Jan. 20. Class 12.

Speldel Corporation, Providence, R. I. Watch bracelets. Serial No. 632,754, Jan. 20. Class 28.

Speldel Corporation, Providence, R. I. Watch bracelets. Serial No. 632,756, Jan. 20. Class 28.

Squibb, E. R., & Sons, New York, N. Y. Assignor to Matheson Chemical Corporation, Saltville, Va. Single-use injection unit. Serial No. 619,313, Jan. 20. Class 18.

Staley Milling Company, North Kansas City, Mo. Feed compound. Serial No. 614,970, Jan. 20. Class 46.

Stewart Hartshorn Company, New York, N. Y. Assignor to Breneman-Hartshorn Inc., Cincinnati, Ohio. Window shades. Serial No. 623,919, Jan. 20. Class 32.

Stoppers, Inc., New York, N. Y. Chlorophyll tablets. Serial No. 618,470, Jan. 20. Class 18.

Struhl, Morris, Inc., Jersey City, N. J. Assignee of Chic, Incorporated. Manicure accessories. Serial No. 611,939, Jan. 20. Class 44.

Sun Oil Company, Philadelphia, Pa. Petroleum sulfonates. Serial No. 633,338, Jan. 20. Class 6.

Sure-Fit Products Company, Bethlehem, Pa. Securing device in the nature of an attached drawstring for tailored slip covers. Serial No. 541,350, Jan. 20. Class 32.

Sylcon Management Association, Chicago, Ill. Mattresses and pillows. Serial No. 620,979, Jan. 20. Class 32.

Syndicat Français des Textiles Artificiels, Paris, France. Thread and yarn. Serial No. 605,075, Jan. 20. Class 43.

Tek Hughes, Inc., New York, N. Y. now by change of name Autograf Brush & Plastics Co., Incorporated, assignor to Johnson & Johnson, New Brunswick, N. J. Toilet brushes, tooth brushes, hand brushes, etc. Serial No. 597,613, Jan. 20. Class 29.

Tharp, Ruby M., doing business as Chemical Research Products, Philadelphia, Pa. Acetphenetidine; benzole, salicylic, citric acetylsalicylic acids. Serial No. 624,667, Jan. 20. Class 6.

Tiedemann & McMorran, Inc., San Francisco, Calif. Canned fruits, canned berries, canned vegetables, etc. Serial No. 620,239, Jan. 20. Class 46.

Trimedge, Inc., Youngstown, Ohio. Decorative metallic trim moldings. Serial No. 601,386, Jan. 20. Class 12.

Unitech Products: See—
Schenk, Carl R.

United Elastic Corporation, Easthampton, Mass. Elastic thread and strands. Serial No. 633,281, Jan. 20. Class 43.

Urban, Germaine, doing business as Renucel Cosmetics, New York, N. Y. Scalp and hair cream. Serial No. 627,990, Jan. 20. Class 51.

V. I. P. Service, Inc., New York, N. Y. Various services performed for clients. Serial No. 629,639, Jan. 20. Class 103.

Vel-Foot Co.: See—
Hagele, Frieda A.

Venne Juniors, Inc., New York, N. Y. Women's coats and suits. Serial No. 631,905, Jan. 20. Class 39.

Virginia Smelting Company, West Norfolk, Va. Sodium hydrosulphite powder concentrated. Serial No. 610,392, Jan. 20. Class 6.

Vitalic Battery Company, Inc., Dallas, Tex. Storage batteries. Serial No. 632,136, Jan. 20. Class 21.

Vynactos Laboratories, Inc., Des Moines, Iowa. Antibiotic and vitamin supplement. Serial No. 620,178, Jan. 20. Class 18.

Walda Scott Originals, Inc., New York, N. Y. Misses' and junior suits. Serial No. 628,445, Jan. 20. Class 39.

West Disinfecting Company, Long Island City, N. Y. Spray fluid deodorant. Serial No. 625,145, Jan. 20. Class 6.

West Disinfecting Company, Long Island City, N. Y. Liquid insecticide. Serial No. 625,164, Jan. 20. Class 6.

Western Adamata, Inc.: See—
Meyer Both Company.

Westinghouse Electric Corporation, Pittsburgh and Sharon, Pa. Magnetic brakes. Serial No. 631,833, Jan. 20. Class 21.

Whirlpool Corporation, St. Joseph, Mich. Domestic laundry appliances. Serial No. 617,320, Jan. 20. Class 24.

Whitacre, Donald, Oregonia, Ohio. Newspaper column. Serial No. 616,265, Jan. 20. Class 38.

White Stag Manufacturing Co., Portland, Ore. Women's and misses' slacks. Serial No. 628,315, Jan. 20. Class 39.

Williams Manufacturing Company, The, Portsmouth, Ohio. Ladies' and girls' shoes and slippers. Serial No. 628,636, Jan. 20. Class 39.

Wudel, Edmund J., doing business under the fictitious name and style of Edmund J. Wudel Mfg. Co., Los Angeles, Calif. Spark plug cleaning machines. Serial No. 602,129, Jan. 20. Class 23.

Wudel, Edmund J., Mfg. Co.: See—
Wudel, Edmund J.

Wyeth Incorporated, Philadelphia, Pa. Penicillin-dihydrostreptomycin implantation pellets. Serial No. 622,967, Jan. 20. Class 18.

Yorkana Cigar Company: See—
Liverant, Moses.

Young, L. A., Spring and Wire Corporation, Detroit, Mich. Vehicle seat and back spring cushions and spring cushion assemblies and parts thereof. Serial No. 623,865, Jan. 20. Class 19.

Young, Stephen A., Corporation, Flora, Ind. Plumbing fixtures. Serial No. 625,942, Jan. 20. Class 13.

Zip-Mates of California, Los Angeles, Calif. Ladies' and children's blouses, slacks, suits, etc. Serial No. 629,538, Jan. 20. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

AAA Sanitation Service Company Laboratories: See—
Boening, Wilfred L.

Abbott Laboratories, North Chicago, Ill. Analgesic. 569,488, Jan. 20; Serial No. 622,190, published Oct. 28, 1952. Class 18.

Abelman, M., Co.: See—
Abelman, Max.

Abelman, Max, doing business as M. Abelman Co. and Hartwell Paint Co., Boston, to M. Abelman Co., Jamaica Plain, Mass. Ready mixed paint, paste colors in oil, shellac, and varnishes. 300,931, renewed Feb. 14, 1953. O. G. Jan. 20. Class 16.

Ackerman, Simon, Clothes, Inc., to Simon Ackerman Clothes, Inc., New York, N. Y. Men's and young men's coats, vests, trousers, and overcoats. 297,250, renewed Sept. 6, 1952. O. G. Jan. 20, 1953. Class 39.

Adolph's Food Products, Los Angeles, Calif. Meat tenderizer. 569,868, Jan. 20; Serial No. 593,097, published Nov. 4, 1952. Class 46.

Agenda Club Service: See—
Orkin, William S.

Aktlebolaget Orrefors Glasbruk, Orrefors, Sweden. Flat glass, plate glass, sheet glass, etc. 569,617, Jan. 20; Serial No. 624,802, published Oct. 28, 1952. Class 33.

Alber Electric Co., Inc., Kansas City, Mo. Electrical installation contracting service, etc. 569,606, Jan. 20; Serial No. 628,183, published Oct. 28, 1952. Class 103.

Alfra Manufacturing Corporation, New York, N. Y. Fountain pens and pencils. 569,357, Jan. 20; Serial No. 558,767, published Oct. 14, 1952. Class 37.

Allgemeine Thermo-Gesellschaft M. B. H., Essen-on-the-Ruhr, Germany, to Metal & Thermo Corporation, New York, N. Y. Metal compounds. 39,543, re-renewed Dec. 23, 1952. O. G. Jan. 20. Class 14.

Allied Chemical & Dye Corporation, New York, N. Y. Chemicals manufacturer's house organ, trade circulars and related publications. 569,371, Jan. 20; Serial No. 578,248, published Oct. 28, 1952. Class 38.

American Enka Corporation, Asheville, to American Enka Corporation, Enka, N. C. Rayon yarns. 303,417, renewed May 23, 1953. O. G. Jan. 20. Class 43.

American National Travelers Service: See—
Rushmore, Walter C.

Antoine de Paris, Inc., New York, N. Y. Cleansing cream, massage cream, bleach cream, etc. 301,503, renewed Mar. 7, 1953. O. G. Jan. 20. Class 51.

Arden, Elizabeth, Sales Corporation: See—
Owl Drug Company, The.

Argus Products, Philadelphia, Pa., assignor to Lapin Products Inc., Newark, N. J. Waste baskets. 569,619, Jan. 20; Serial No. 598,344. Class 2.

Armour and Company, Chicago, Ill. Lard. 569,547, Jan. 20; Serial No. 627,241, published Oct. 28, 1952. Class 46.

Arvey Corporation, Chicago, Ill. Reticular metallic base. 569,518, Jan. 20; Serial No. 624,672, published Oct. 21, 1952. Class 50.

Associated Apparel Industries, Inc., to The H. W. Oosard Co., Chicago, Ill. Girdles, corsets, combination corset and brassiere. 801,213, renewed Feb. 21, 1953. O. G. Jan. 20. Class 30.

Associated Box Corporation, New Castle, Pa. Pallets, platforms and skids. 569,427, Jan. 20; Serial No. 610,160, published Oct. 21, 1952. Class 50.

Associated Merchandising Corporation, The, New York, N. Y. Toilet seats. 569,569, Jan. 20; Serial No. 628,030, published Oct. 14, 1952. Class 13.

Associated Seed Growers, Incorporated, New Haven, Conn. Garden and field seeds, bulbs, and plants. 299,969, renewed Jan. 3, 1953. O. G. Jan. 20. Class 1.

Associated Seed Growers, Incorporated, New Haven, Conn. Garden and field seeds, bulbs, and plants. 300,099, renewed Jan. 3, 1953. O. G. Jan. 20. Class 1.

Associated Seed Growers, Incorporated, New Haven, Conn. Garden and field seeds, bulbs and plants. 300,456, renewed Jan. 17, 1953. O. G. Jan. 20. Class 1.

Atkinson, J. & E., Limited, London, England. Eau de cologne. 569,387, Jan. 20; Serial No. 592,596, published Nov. 4, 1952. Class 51.

Automatic Spring Colling Co., Chicago, Ill. Precision mechanical springs. 569,421, Jan. 20; Serial No. 609,157, published Oct. 28, 1952. Class 13.

Bagwell Preserving Company, Inc., Nashville, Tenn. Fruit preserves, jelly, and pickle relish. 569,502, Jan. 20; Serial No. 623,640, published Nov. 4, 1952. Class 46.

Baker & Company, Inc., Newark, N. J. Precious metal salts and precious metal electroplating preparations. 299,142, renewed Nov. 22, 1952. O. G. Jan. 20. Class 6.

Baker, Frank G., doing business as Missouri Milk Products, Hermann, Mo. Cheese. 569,382, Jan. 20; Serial No. 584,749, published Nov. 4, 1952. Class 46.

Basick Company, The, Bridgeport, Conn. Furniture trimmings and hardware. 569,363, Jan. 20; Serial No. 565,747, published Oct. 21, 1952. Class 13.

Beeco, Inc., Chicago, Ill. Glass display signs. 569,474, Jan. 20; Serial No. 618,951, published Oct. 21, 1952. Class 50.

Belgo Canadian Mfg. Co. Ltd., Montreal, Quebec, Canada. Cigarette lighters and flints therefor, cigarette cases, cigarette and lighter case combinations, etc. 569,490, Jan. 20; Serial No. 622,290, published Oct. 28, 1952. Class 8.

Bell & Howell Company, Chicago, Ill. Motion picture cameras. 569,504, Jan. 20; Serial No. 623,745, published Aug. 12, 1952. Class 26.

Berkeley Pump Company, Berkeley, Calif. Water pumping systems, pumps and pressure tanks and parts thereof. 569,335, Jan. 20; Serial No. 556,394, published Oct. 7, 1952. Class 23.

Berner, Robert L., Company, Chicago, Ill. Raw pop corn. 569,428, Jan. 20; Serial No. 610,161, published Oct. 21, 1952. Class 46.

Bersworth Chemical Company, assignee: See—
Bersworth, Frederick C.

Bersworth Chemical Company, Framingham, Mass. Water softening agents. 569,513, Jan. 20; Serial No. 624,386, published Oct. 14, 1952. Class 32.

Bersworth, Frederick C., assignor to Bersworth Chemical Company, Framingham, Mass. Water softening agents. 569,450, Jan. 20; Serial No. 615,874, published Apr. 29, 1952. Class 6.

Blanco, Anthony A., Inc., New York, N. Y., and Fresno, Calif. Fresh grapes, plums, cherries, etc. 569,498, Jan. 20; Serial No. 619,289, published Nov. 4, 1952. Class 40.

Blproducts Oreg. Ltd., Warrenton, Oreg. Preparations comprised of salmon egg meal, dehydrated liver, etc. 569,346, Jan. 20; Serial No. 519,796, published Oct. 21, 1952. Class 46.

Blissell Carpet Sweeper Company, to Blissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweepers. 89,908, re-renewed Jan. 21, 1953. O. G. Jan. 20. Class 23.

Blackhawk Mfg. Co., Milwaukee, Wis. Socket wrenches; box wrenches; open end wrenches, etc. 569,369, Jan. 20; Serial No. 576,511, published Oct. 14, 1952. Class 23.

Boening, Wilfred L., doing business under the assumed name of AAA Sanitation Service Company Laboratories, Ferndale, Mich. Septic tanks. 569,373, Jan. 20; Serial No. 680,974, published Oct. 21, 1952. Class 13.

Book Club Associates, Inc., Garden City, N. Y. Books. 569,566, Jan. 20; Serial No. 627,791, published Oct. 28, 1952. Class 38.

Boosey, Norman, Manufacturing Company, Racine, Wis. Plumbing drainage products. 569,542, Jan. 20; Serial No. 627,043, published Oct. 21, 1952. Class 13.

Booth Radio & Television Stations, Inc., Detroit, Mich. Radio program broadcasting. 569,604, Jan. 20; Serial No. 627,798, published Oct. 28, 1952. Class 104.

Booth Radio & Television Stations, Inc., Detroit, Mich. Radio program broadcasting. 569,605, Jan. 20; Serial No. 627,801, published Oct. 28, 1952. Class 104.

Borden Company, The, New York, N. Y. Soybean oil meal. 569,362, Jan. 20; Serial No. 564,187, published Oct. 21, 1952. Class 46.

Boston Molasses Co., by Boston Molasses Co., Boston, Mass. Molasses. 87,036, June 25, 1912. Republished Jan. 20. Class 46.

Boston Molasses Co., by Boston Molasses Company, Boston, Mass. Molasses. 87,599, July 30, 1912. Republished Jan. 20. Class 46.

Boston Molasses Company: See—
Boston Molasses Co.

Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all types of cotton fabrics. 569,003, Jan. 20; Serial No. 625,880, published Oct. 28, 1952. Class 106.

Breco Manufacturing Co., Baltimore, Md. Couplings. 569,482, Jan. 20; Serial No. 620,085, published Oct. 28, 1952. Class 13.

Brents Jewelers, Oakland, Calif. Men's and women's diamond rings and women's diamond earrings. 569,463, Jan. 20; Serial No. 617,277, published Nov. 4, 1952. Class 28.

Brooks, T. E., & Co., Red Lion, Pa. Cigars. 569,515, Jan. 20; Serial No. 624,444, published Oct. 28, 1952. Class 17.

Brown-Miller Co., New Orleans, La. Pickles, candied dill strips, sweet relish, etc. 569,592, Jan. 20; Serial No. 629,930, published Nov. 4, 1952. Class 46.

Brumbaugh Body Company, Altona, Pa. Manufactured truck bodies, truck cabs, "jeep tops," etc. 569,416, Jan. 20; Serial No. 605,942, published Sept. 16, 1952. Class 19.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley furniture. 398,793, Nov. 24, 1942. Republished Jan. 20. Class 32.

Bud Type Cleaner, Inc., Baltimore, Md., assignee, by means assignments, from Eberhard Faber Pencil Company. Typewriter type cleaner. 569,618, Jan. 20; Serial No. 588,072. Class 52.

Budget Pack, Inc., Los Angeles, Calif. Dried navy beans, uncooked rice, shelled nuts, etc. 569,394, Jan. 20; Serial No. 596,072, published Oct. 28, 1952. Class 46.

Hurley & Company, Inc., Fort Wayne, Ind. Oleomargarine and butter. 569,631, Jan. 20; Serial No. 624,728, Class 46.

Caddell, Harold O., doing business under the name of Fish Center, Richmond, Calif. Fresh fish, frozen fish, cooked fish, etc. 569,459, Jan. 20; Serial No. 616,695, published Oct. 28, 1952. Class 46.

California & Washington Co., San Francisco, Calif. Fresh frozen vegetables. 569,495, Jan. 20; Serial No. 622,527, published Nov. 4, 1952. Class 46.

Calnevar Company, The, Los Angeles, Calif. Deflecting shields for attachment to a body portion of an automobile. 569,447, Jan. 20; Serial No. 615,366, published Sept. 16, 1952. Class 19.

Canfield Oil Company: See—
Canfield Oil Company, The.

Canfield Oil Company, The, to Canfield Oil Company, Cleveland, Ohio. Lubricating oils and greases. 300,914, renewed Feb. 14, 1953. O. G. Jan. 20. Class 15.

Carrick, O. W. Co., Newark, N. J. Standardized ovarian hormone preparation. 300,022, renewed Jan. 3, 1953. O. G. Jan. 20. Class 18.

Chefaro Chemische Fabriek "Rotterdam": See—
Kleijn, Adrianna.

Cherry-Burrell Corporation, Chicago, Ill. Hand operated duffles. 569,347, Jan. 20; Serial No. 522,823, published Sept. 16, 1952. Class 19.

Chilcott Laboratories, Inc., Morris Plains, N. J. Medical preparations. 569,575, Jan. 20; Serial No. 628,468, published Oct. 28, 1952. Class 18.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 569,431, Jan. 20; Serial No. 611,404, published Sept. 16, 1952. Class 19.

Clement's Pastry Shop, Washington, D. C. Cakes, pies, cookies, and French pastries. 569,396, Jan. 20; Serial No. 596,481, published Oct. 21, 1952. Class 46.

Cluett, Peabody & Co., to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 90,793, re-renewed Mar. 23, 1953. O. G. Jan. 20. Class 39.

Coffee County Creamery Inc., doing business as Superior Ice Cream Company, Douglas, Ga. Ice cream and frozen confections. 569,422, Jan. 20; Serial No. 609,166, published Oct. 28, 1952. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business under the style name of The Lamar Flour Mills, Lamar, Colo. Wheat flour. 569,353, Jan. 20; Serial No. 552,125, published Nov. 4, 1952. Class 46.

Columbia Records Inc., Bridgeport, Conn. Monthly booklet. 569,576, Jan. 20; Serial No. 628,469, published Oct. 28, 1952. Class 38.

Comfort Pillow & Feather Company, Boston, Mass. Pillows. 569,470, Jan. 20; Serial No. 617,836, published Oct. 28, 1952. Class 32.

Commercial Controls Corporation, Rochester, N. Y. Envelope opening machines. 569,617, Jan. 20; Serial No. 597,945, Class 23.

Commercial Printing & Letter Service Co., Dallas, Tex. House organs. 569,429, Jan. 20; Serial No. 610,509, published Oct. 28, 1952. Class 38.

Comrade Cycle Company Limited, Darlaston, Staffordshire, England. Bicycles, cycle frames, handle bars, etc. 569,392-3, Jan. 20; Serial Nos. 595,122-3, published Sept. 16, 1952. Class 19.

Consolidated Grocers Corporation: See—
Dannemiller Grocery Company, The.

Consolidated Grocers Corporation, Chicago, Ill. Canned pickles and canned fruits and vegetables. 569,403, Jan. 20; Serial No. 600,767, published Oct. 21, 1952. Class 46.

Continental Copper & Steel Industries, Inc., New York, N. Y. Wire screening. 569,480, Jan. 20; Serial No. 619,449, published Oct. 14, 1952. Class 13.

Coyne & Delany Co., Brooklyn, N. Y. Flush valves and parts thereof. 569,514, Jan. 20; Serial No. 624,397, published Oct. 14, 1952. Class 13.

Crane Co., Chicago, Ill. Waste-water-outlet cover plates. 569,574, Jan. 20; Serial No. 628,346, published Oct. 21, 1952. Class 13.

Cue Publishing Co., Inc., New York, N. Y. Weekly periodical. 569,577, Jan. 20; Serial No. 628,474, published Oct. 28, 1952. Class 38.

Daniels, Jay V., to Dearborn Supply Company, Chicago, Ill. Face-powders. 87,859, re-renewed Aug. 13, 1952. O. G. Jan. 20. Class 51.

Daniels, Jay V., to Dearborn Supply Company, Chicago, Ill. Ointment or cream for the complexion. 89,231, re-renewed Dec. 3, 1952. O. G. Jan. 20. Class 51.

Dannemiller Grocery Company, The, Canton, Ohio, in Consolidated Grocers Corporation, Chicago, Ill. Canned goods. 291,243, renewed Feb. 2, 1952. O. G. Jan. 20. Class 46.

Davies-Young Soap Company, The, Dayton, Ohio. Dispensers. 569,508, Jan. 20; Serial No. 624,027, published Oct. 21, 1952. Class 13.

Dearborn Supply Company: See—
Daniels, Jay V.

Decca Records, Inc., New York, N. Y. Grooved phonograph records. 569,414, Jan. 20; Serial No. 605,252, published Oct. 28, 1952. Class 36.

Denison Engineering Company, The, Columbus, Ohio. Valves. 569,483, Jan. 20; Serial No. 620,838, published Oct. 28, 1952. Class 13.

Desson, Leonard: See—
Maurer, Martin R.

Dewar, John, & Sons Limited, Perth, Scotland, and London, England. Scotch whisky. 269,332, renewed Dec. 6, 1952. O. G. Jan. 20. Class 49.

Dick, A. B., Company, Niles, Ill. Lettering and drafting guides and rulers. 296,811, Aug. 23, 1932. Republished Jan. 20. Class 26.

Dick, A. B., Company, Chicago, Ill. Mimeographs and parts thereof. 569,374, Jan. 20; Serial No. 582,215, published Sept. 9, 1952. Class 23.

Dick, A. B., Company, Niles, Ill. Materials used in lithographic and planographic printing. 569,415, Jan. 20; Serial No. 605,549, published Oct. 14, 1952. Class 37.

Divineform Brassiere Co., Inc., New York, N. Y. Ladies' women's and misses' undergarments. 569,543, Jan. 20; Serial No. 627,050, published Oct. 21, 1952. Class 39.

Dixie Cone Manufacturing Company, Houston, Tex. Edible ice cream cones and cups. 569,418, Jan. 20; Serial No. 607,741, published Oct. 21, 1952. Class 46.

Dixie Mills Company, East St. Louis, Ill. Pig feed and hog feed. 296,976, Aug. 30, 1932. Republished Jan. 20. Class 46.

Dixie Mills Company, East St. Louis, Ill. Dairy feeds. 296,977, Aug. 30, 1932. Republished Jan. 20. Class 46.

Downey, C. L., Company, The, Hannibal, Mo. Tubular coin wrappers. 569,400, Jan. 20; Serial No. 599,933, published Oct. 14, 1952. Class 37.

Downing Trading Corporation, assignor to Pellon Corporation, New York, N. Y. Cleaning, wiping, and polishing cloths. 569,620, Jan. 20; Serial No. 600,125, Class 29.

Drakenfeld, B. F. & Co., Inc., New York, N. Y., and Washington, Pa. Thermoplastic material that is mixed with ceramic colors for screen printing. 569,420, Jan. 20; Serial No. 608,412, published Oct. 28, 1952. Class 11.

Drema Manufacturing Company, Inc., New York, N. Y., by change of name from Swiss Watch Dial Co., Inc. Wrist-bands for wrist watches. 569,625, Jan. 20; Serial No. 608,838, Class 28.

Dualoc Drive, Inc., Rockford, Ill. Positive drive differentials. 569,613, Jan. 20; Serial No. 580,775, Class 23.

Duro Metal Products Co., Chicago, Ill. Hand tools. 569,485, Jan. 20; Serial No. 621,201, published Oct. 7, 1952. Class 23.

Earl Paint Corporation, Utica, N. Y. Corrosive resistant asphalt base coating, paint primers, paint coatings, etc. 569,378, Jan. 20; Serial No. 583,990, published Oct. 21, 1952. Class 16.

Eastern Machine Products Co.: See—
Eastern Venetian Blind Company, The.

Eastern States Storm Window, Inc., West Springfield, Mass. Manufacture to individual specifications of glassed and screened storm windows and doors, etc. 569,634, Jan. 20; Serial No. 617,018, Class 106.

Eastern Venetian Blind Company, The, trading as Eastern Machine Products Co., Baltimore, Md. Traverse tracks for drapery. 569,467, Jan. 20; Serial No. 617,657, published Oct. 28, 1952. Class 13.

Eberhard Faber Pencil Company: See—
Bud Type Cleaner, Inc.

Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. 569,525, Jan. 20; Serial No. 625,894, published Oct. 28, 1952. Class 32.

Egry Register Company, The, Dayton, Ohio. Partially printed forms. 569,398, Jan. 20; Serial No. 596,991, published Oct. 14, 1952. Class 37.

Electric & Musical Industries Limited, Hayes, Middlesex, England. Phonographic styluses. 569,348, Jan. 20; Serial No. 524,964, published Oct. 28, 1952. Class 30.

Electrical Information Publications, Inc., Madison, Wis. Periodical publication. 569,484, Jan. 20; Serial No. 621,203, published Oct. 28, 1952. Class 38.

Ellena Brothers, Etiwanda, Calif. Wine vinegar. 569,385, Jan. 20; Serial No. 592,363, published Oct. 28, 1952. Class 46.

Ely & Walker Dry Goods Company: See—
Ferguson McKinney Dry Goods Co., The.

Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies' misses', children's, and infants' dresses, aprons and pajamas, etc. 301,566, renewed Mar. 7, 1953. O. G. Jan. 20. Class 39.

Empacadora de Productos Alimenticios La Fortaleza S. A. de C. V., Salamanca City, Guanajuato, Mexico. Canned foods. 569,432, Jan. 20; Serial No. 611,933, published Oct. 28, 1952. Class 46.

Englander Company, Inc., The, Chicago, Ill. Studio couches, studio beds, sofa beds, etc. 569,541, Jan. 20; Serial No. 626,937, published Oct. 28, 1952. Class 32.

Ereona Camera Corporation, New York, N. Y. Photographic lenses. 569,448, Jan. 20; Serial No. 615,443, published Aug. 12, 1952. Class 26.

Ernecke & Salmstein Co., Chicago, Ill. Label-pastes. 89,179, re-renewed Nov. 19, 1952. O. G. Jan. 20. Class 5.

Eskimo Pie Corporation, New York and Brooklyn, N. Y., to Eskimo Pie Corporation, Bloomfield, N. J. Frozen confections. 300,055, renewed Jan. 3, 1953. O. G. Jan. 20. Class 46.

Eucled Road Machinery Co., The, Euclid, Ohio. Motor driven and trailer materials-handling equipment. 569,438, Jan. 20; Serial No. 613,060, published Sept. 16, 1952. Class 19.

Eutectic Welding Alloys Corporation, Flushing, N. Y. Chemical flux. 569,582, Jan. 20; Serial No. 627,428, published Oct. 28, 1952. Class 6.

Fabrique Suisse des Produits au Lait Guigois S. A., Vuadens, Canton of Fribourg, Switzerland. Canned condensed milk and canned milk in powder form. 569,424, Jan. 20; Serial No. 609,289, published Oct. 21, 1952. Class 46.

Fab-Weld Corporation, Philadelphia, Pa. Dollies and hand trucks. 569,449, Jan. 20; Serial No. 615,604, published Sept. 16, 1952. Class 19.

Faesler, J., Mfg. Co., The, Moberly, Mo. Flue expanders for steam boilers. 569,475, Jan. 20; Serial No. 619,160, published Nov. 4, 1952. Class 23.

Fan Tan Gum Corporation, Dayton, Ohio. Chewing gum. 569,464, Jan. 20; Serial No. 617,393, published Oct. 28, 1952. Class 46.

Farquhar, A. B., Company, York, Pa. Manure spreaders. 569,433, Jan. 20; Serial No. 612,201, published Sept. 30, 1952. Class 23.

Farquhar Growers Co-Op Ass'n.: See—
Tropical Agriculture Co-Operative Association.

Farsouth Growers Co-Operative Ass'n.: See—
Tropical Agriculture Co-Operative Association.

Faucet-Hot Heater Co.: See—
Gas and Electric Heater Co.

Faser, O. Y. Karl, A. B., Helsinki, Finland. Candles. 569,391, Jan. 20; Serial No. 594,960, published Nov. 4, 1952. Class 46.

Ferd. Muhlen, Inc., New York, N. Y. Soap. 569,500, Jan. 20; Serial No. 623,360, published Oct. 28, 1952. Class 52.

Ferguson McKinney Dry Goods Co., The, to Ely & Walker Dry Goods Company, St. Louis, Mo. Bleached muslin. 90,425, re-renewed Feb. 25, 1953. O. G. Jan. 20. Class 42.

Finger Lakes Chemical Company, Inc., Etna, N. Y. Detergent cleaning compound. 569,548, Jan. 20; Serial No. 627,124, published Oct. 28, 1952. Class 52.

Firestone Tire & Rubber Company, The, Akron, Ohio. Brake testing machines and brake lining testing machines. 297,985, renewed Oct. 11, 1952. O. G. Jan. 20. Class 26.

Firestone Tire & Rubber Company, The, Akron, Ohio. Brake testing machines. 297,986, renewed Oct. 11, 1952. O. G. Jan. 20. Class 26.

Firmenich Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 569,441, Jan. 20; Serial No. 614,694, published Oct. 28, 1952. Class 52.

Fish Center: See—
Caddell, Harold O.

Flintkote Company, The, New York, N. Y. Roofing shingles. 569,532, Jan. 20; Serial No. 626,502, published Oct. 14, 1952. Class 12.

Flintkote Company, The, New York, N. Y. Asbestos cement shingles. 569,533, Jan. 20; Serial No. 626,504, published Oct. 14, 1952. Class 12.

Foot, D. E. & Co., Incorporated, Baltimore, Md. Canned vegetables. 569,558, Jan. 20; Serial No. 627,566, published Oct. 28, 1952. Class 46.

Font, D. E. & Co., Incorporated, Baltimore, Md. Canned vegetables. 569,559-60, Jan. 20; Serial Nos. 627,568-9, published Oct. 28, 1952. Class 46.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 569,578, Jan. 20; Serial No. 628,756, published Oct. 28, 1952. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 569,582, Jan. 20; Serial No. 628,854, published Oct. 28, 1952. Class 42.

Fort Wayne Corrugated Paper Company, Fort Wayne, Ind. Corrugated paper beverage cases. 569,587, Jan. 20; Serial No. 629,103, published Nov. 4, 1952. Class 2.

Fowkes, Anne M., doing business as Minor Fowkes, East Orange, N. J. Supports adapted to be applied to beds and the like. 569,530, Jan. 20; Serial No. 628,237, published Oct. 28, 1952. Class 32.

Fowkes, Minor: See—
Fowkes, Anne M.

Fricar Mfg. Co., Inc., Schenectady, N. Y. Wall type towel dispensers and parts thereof. 569,452, Jan. 20; Serial No. 616,164, published Oct. 21, 1952. Class 13.

Fricar Mfg. Co., Inc., Schenectady, N. Y. Wall type towel dispensers and parts thereof. 569,462, Jan. 20; Serial No. 617,239, published Oct. 21, 1952. Class 13.

Fruit Products Corporation, New York, N. Y. Empty bags. 569,553, Jan. 20; Serial No. 627,433, published Oct. 28, 1952. Class 2.

Fruit Products Corporation, New York, N. Y. Empty bags. 569,554, Jan. 20; Serial No. 627,435, published Oct. 28, 1952. Class 2.

Fruit Products Corporation, New York, N. Y. Empty bags. 569,555, Jan. 20; Serial No. 627,439, published Oct. 28, 1952. Class 2.

Fugate & Gilton Driveaway Co., Inc., Brazil, Ind., and Springfield, Ohio. Delivering automotive vehicles. 569,601, Jan. 20; Serial No. 623,956, published Oct. 28, 1952. Class 105.

Gardner Manufacturing Company, Inc., Buffalo, N. Y. Sodium hypochlorite solution for use in washing clothes, etc. 569,494, Jan. 20; Serial No. 622,535, published Oct. 28, 1952. Class 32.

Gas and Electric Heater Co., by Faucet-Hot Heater Co., La Porte, Ind. Electric water heaters. 290,632, Jan. 12, 1932. Republished Jan. 20. Class 21.

Gavender, Nat. Incorporated, St. Louis, Mo. Printed publication. 569,381, Jan. 20; Serial No. 584,617, published Oct. 28, 1952. Class 38.

General Building Materials, Inc., South Bend, Ind. Prefabricated building units. 569,611, Jan. 20; Serial No. 570,413, Class 12.

General Controls Co., Glendale, Calif. Manually operated valves; lever operated valves; strainers; etc. 569,354, Jan. 20; Serial No. 553,841, published July 1, 1952. Class 13.

General Paint & Varnish Co., doing business as Wheeler Varnish Works, by Wheeler Varnish Works, Inc., Chicago, Ill. Ready-mixed paint, varnishes, stains, etc. 313,021, May 15, 1934. Republished Jan. 20. Class 16.

General Paint & Varnish Co., doing business as Wheeler Varnish Works, by Wheeler Varnish Works, Inc., Chicago, Ill. Ready-mixed paint, varnishes, stains, etc. 321,532, Feb. 5, 1935. Republished Jan. 20. Class 16.

Germicidal Products Company: See—
O-Cedar Corp.

Gilmore, C. B., New York, N. Y. Hinge device for use in loose leaf binders. 569,386, Jan. 20; Serial No. 592,563, published Oct. 14, 1952. Class 37.

Girard's, Inc., San Rafael, Calif. Salad dressings. 569,548, Jan. 20; Serial No. 627,200, published Oct. 28, 1952. Class 46.

Glenfyne Distillery Company Limited, The, Ardriahalg, Scotland. Whisky. 302,142, renewed Mar. 28, 1953. O. G. Jan. 20. Class 49.

Globe Mills, Inc.: See—
Lone Star Elevators.

Gold Buckle Association: See—
Highland Orange Association.

Gold Medal Hair Products Inc., Brooklyn, N. Y. Detergent shampoo, lanolin cream shampoo, etc. 569,570, Jan. 20; Serial No. 628,153, published Oct. 28, 1952. Class 52.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Ready-mixed paint, varnish and paint enamel. 300,926, renewed Feb. 14, 1953. O. G. Jan. 20. Class 18.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salt fish and frozen fish. 569,442, Jan. 20; Serial No. 614,828, published Nov. 4, 1952. Class 46.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Frozen fish. 569,443, Jan. 20; Serial No. 614,829, published Nov. 4, 1952. Class 46.

Gossard, H. W. Co., The: See—
Associated Apparel Industries, Inc.

Grand Aerie Fraternal Order of Eagles, Kansas City, Mo. Decalcomania signs, printed creeds, manuals, etc. 569,419, Jan. 20; Serial No. 607,990, published Oct. 28, 1952. Class 38.

Gray Drug Stores, Inc., Cleveland, Ohio. Aspirin tablets and mineral oil. 569,629, Jan. 20; Serial No. 617,960, Class 18.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Liquid metal polish and porcelain cleaner, creme furniture polish, etc. 569,451, Jan. 20; Serial No. 616,009, published Oct. 28, 1952. Class 4.

Great Books Foundation, The, Chicago, Ill. Periodical. 569,540, Jan. 20; Serial No. 626,875, published Oct. 28, 1952. Class 38.

Greene, Mort, Enterprises, Inc., Los Angeles, Calif. Combination stopper and liquid pouring device. 569,380, Jan. 20; Serial No. 584,196, published Oct. 14, 1952. Class 13.

Griffith Laboratories, Inc., The, Chicago, Ill. Liquid preparation of papaya juice. 569,437, Jan. 20; Serial No. 612,984, published Oct. 28, 1952. Class 46.

Growers' Cooperative Grape Juice Company, Inc., Westfield, N. Y. Grape juice. 296,838, Aug. 23, 1932. Republished Jan. 20. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 569,501, Jan. 20; Serial No. 623,462, published Nov. 4, 1952. Class 27.

Guardite Corporation, Chicago, Ill. Units for moistening, dehydrating, cooling, etc., organic products. 569,417, Jan. 20; Serial No. 607,287, published Sept. 16, 1952. Class 23.

Gurlich, Max A., doing business as Pacific Chemical Manufacturing Co., Seattle, Wash. Detergents. 569,579, Jan. 20; Serial No. 626,760, published Oct. 28, 1952. Class 52.

Ha-Mall Company, The: See—
Ha-Mall Medical Co.

Ha-Mall Medical Co., Carter, to The Ha-Mall Company, Sayre, Okla. Liver and blood tonic, a healing oil, an oil for the treatment of rheumatism, etc. 302,082, renewed Mar. 28, 1953. O. G. Jan. 20. Class 18.

Hammond, Dagmar, New York, N. Y. Bracelets. 569,505, Jan. 20; Serial No. 623,885, published Nov. 4, 1952. Class 28.

Hanser, John, Jr., doing business under the name of John Hanser Soap Co., Milwaukee, Wis. Soap flakes in packages and soap in bars. 569,551, Jan. 20; Serial No. 627,389, published Oct. 28, 1952. Class 52.

Hanser, John, Soap Co.: See—
Hanser, John, Jr.
Hardman, H. V., Co. Incorporated, Belleville, N. J. Electrically conductive compounds. 569,621, Jan. 20; Serial No. 600,012. Class 21.
Harrington & Waring, to Hollywood Huse, Inc., New York, N. Y. Hosiery. 301,340, renewed Feb. 28, 1953. O. G. Jan. 20. Class 39.
Harrington & Waring, to Hollywood Huse, Inc., New York, N. Y. Hosiery. 302,185, renewed Apr. 4, 1953. O. G. Jan. 20. Class 39.
Harrison, A. S., Company, The, South Norwalk, Conn. Floor mops. 569,395, Jan. 20; Serial No. 596,421, published Oct. 7, 1952. Class 29.
Hartwell Paint Co.: See—
Abelman, Max.
Harvard Manufacturing Company, The, doing business using the name Harvard of Cleveland, Cleveland, Ohio. Bed frames; bed head boards; Hollywood bed frames, etc. 569,401, Jan. 20; Serial No. 600,008, published Oct. 28, 1952. Class 32.
Harvard of Cleveland: See—
Harvard Manufacturing Company, The.
Hawley & Hoops, New York, assignor, by mesne assignments, to Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candy. 444,747, Jan. 20; Serial No. 510,118, published July 8, 1947. Class 46.
Hearst Corporation, The: See—
International News Service, Inc.
Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., by Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 52,827, May 22, 1906. Republished Jan. 20. Class 25.
Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., by Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 56,278, Sept. 4, 1906. Republished Jan. 20. Class 25.
Hickmott Canning Co., Antioch, Calif. Canned tomato paste. 569,411, Jan. 20; Serial No. 604,202, published Aug. 12, 1952. Class 46.
Highland Orange Association, to Gold Buckle Association, Highland, Calif. Fresh citrus fruits. 302,056, renewed Mar. 28, 1953. O. G. Jan. 20. Class 46.
Hobart Manufacturing Company, The, Troy, Ohio. Inspection, maintenance, and repair service. 569,600, Jan. 20; Serial No. 617,083, published Oct. 28, 1952. Class 103.
Holloway, Albert F., doing business under the name and style of Olin Manufacturing Company, Oakland, Calif. Toasted corn kernels. 569,389, Jan. 20; Serial No. 593,412, published Nov. 4, 1952. Class 46.
Hollywood Huse, Inc.: See—
Harrington & Waring.
Honey-Kream Distributing Co.: See—
Schreibman, Louis F.
Hubbinger Company, The, Keokuk, Iowa. Table syrup. 569,458, Jan. 20; Serial No. 616,669, published Nov. 4, 1952. Class 46.
Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand-operated compression sprayers. 569,446, Jan. 20; Serial No. 615,277, published Sept. 9, 1952. Class 23.
Hughes, W. J., & Sons "Corn Flower" Limited, Toronto, Ontario, Canada. Cut glass tableware. 569,524, Jan. 20; Serial No. 625,673, published Nov. 4, 1952. Class 33.
Hulman & Company: See—
Jacques Manufacturing Company.
Huntville-Sinclair Mining Company, Kansas City, Mo. Coal. 297,458, renewed Sept. 27, 1952. O. G. Jan. 20. Class 1.
Hydropress, Inc., New York, N. Y. Presses for drawing metals. 569,499, Jan. 20; Serial No. 623,305, published Oct. 7, 1952. Class 23.
Illinois Watch Case Co., Elgin, Ill. Jewels for watch movements. 569,630, Jan. 20; Serial No. 621,364. Class 27.
Independent Leather Manufacturing Co., Inc., Gloversville, N. Y. Waterproof and treated leather. 565,331, Oct. 14, 1952. Corrected. O. G. Jan. 20. Class 1.
International Minerals & Chemical Corporation, Chicago, Ill. Composition of glycoamine and a methylating agent. 569,434, Jan. 20; Serial No. 612,331, published Oct. 28, 1952. Class 18.
International News Service, Inc., to The Hearst Corporation, New York, N. Y. Printed news messages, printed news dispatches and newspapers. 301,867, renewed Mar. 21, 1953. O. G. Jan. 20. Class 38.
International Parts Corp., Chicago, Ill. Mufflers for internal combustion engines and parts thereof. 569,435, Jan. 20; Serial No. 612,309, published Oct. 14, 1952. Class 23.
International Projector Corporation: See—
Multi-Speed Shutter Company.
Jacques Manufacturing Company, Chicago, Ill. to Hulman & Company, Terre Haute, Ind. Baking powder. 297,070, renewed Aug. 30, 1952. O. G. Jan. 20. Class 46.
James Candy Company, Atlantic City, N. J. Candy. 569,410, Jan. 20; Serial No. 604,009, published Nov. 4, 1952. Class 46.
Kaiser-Fraser Corporation, Willow Run, Mich. Automotive engines. 569,384, Jan. 20; Serial No. 591,685, published Sept. 30, 1952. Class 23.
Kaltberman, J., Company, New York, N. Y. Wrist watches, pocket watches, watch cases, etc. 569,526, Jan. 20; Serial No. 625,905, published Nov. 4, 1952. Class 27.
Kats, A.: See—
Kats, Adolph A.
Kats, Adolph A., doing business under the name A. Kats, New York, N. Y. Decorative linens. 569,561, Jan. 20; Serial No. 627,579, published Oct. 28, 1952. Class 42.
Kayser, Julius, & Co., New York, N. Y. Gloves. 569,527, Jan. 20; Serial No. 625,907, published Oct. 21, 1952. Class 30.
Kellogg, A. W., Long Beach, Calif. Liquid adhesive. 569,572, Jan. 20; Serial No. 628,210, published Oct. 28, 1952. Class 5.
Kern & Co. Ltd., Aarau, Switzerland. Polarimeters for use in dental, medical, and surgical studies, colposcopes, etc. 569,616, Jan. 20; Serial No. 596,731. Class 44.
Keystone Steel and Wire Company, Peoria, Ill. Welded metal mesh fabric. 569,489, Jan. 20; Serial No. 622,261, published Oct. 14, 1952. Class 13.
Killgore, Charles, Company, Inc., Yonkers, N. Y. Low-calorie chocolate-flavored pudding. 569,591, Jan. 20; Serial No. 629,245, published Oct. 28, 1952. Class 46.
Kimball, W. W., Company, Chicago, Ill. Sound boards for pianos. 569,408, Jan. 20; Serial No. 603,066, published Oct. 28, 1952. Class 36.
Kleijn, Adrianus, trading as Chefaro Chemische Fabriek "Rotterdam," Rotterdam-West, South Holland, Netherlands. Chemical flour bleach. 569,486, Jan. 20; Serial No. 621,672, published Oct. 28, 1952. Class 6.
Klein, Mathias, & Sons, to Mathias Klein & Sons, Chicago, Ill. Wire-clamps and wire-splicing clamps, wrenches, pliers, etc. 89,564, re-renewed Dec. 24, 1952. O. G. Jan. 20. Class 23.
Koppers Company, Inc., Pittsburgh, Pa. Printed publications. 569,520, Jan. 20; Serial No. 626,087, published Oct. 28, 1952. Class 38.
Koulouris & Casaretto Co., doing business under the fictitious name of Orlea Trading Company, Los Angeles, Calif. Fruit. 569,430, Jan. 20; Serial No. 610,852, published Oct. 28, 1952. Class 46.
L. & H. Chemical Laboratories: See—
Lay, Bascom.
La Boheme Vineyards Co., assignee: See—
Roma Wine Company.
Lamar Flour Mills, The: See—
Colorado Milling & Elevator Co., The.
Lapin Products Inc., assignee: See—
Argus Products.
La Playa Products, Inc., New York, N. Y. Shampoo preparation. 569,366, Jan. 20; Serial No. 570,932, published Oct. 21, 1952. Class 52.
Lay, Bascom, doing business under the name of L. & H. Chemical Laboratories, Nashville, Ark. Preparation for cleaning the hands. 569,586, Jan. 20; Serial No. 629,029, published Oct. 28, 1952. Class 52.
Lekas & Drivas, Inc., New York, N. Y. Cheese. 569,534, Jan. 20; Serial No. 626,515, published Oct. 28, 1952. Class 46.
Long Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc. Wheat flour. 569,358, Jan. 20; Serial No. 561,011, published Oct. 28, 1952. Class 46.
Los Angeles Soap Company, Los Angeles, Calif. Detergents and/or soaps. 569,580, Jan. 20; Serial No. 628,769, published Oct. 28, 1952. Class 52.
Love, Alice, Products Co., Portland, Oreg. Fruit jams and jellies. 569,590, Jan. 20; Serial No. 629,209, published Oct. 28, 1952. Class 46.
Loxitt Systems, Inc., Chicago, Ill. Metal tubing; metal carpet strips; metal price tag mouldings, etc. 569,383, Jan. 20; Serial No. 585,850, published Oct. 14, 1952. Class 13.
Main Street Fashions, Inc., New York, N. Y. Plastic film. 569,565, Jan. 20; Serial No. 627,758, published Oct. 28, 1952. Class 42.
Maintenance Chemicals Manufacturing Company: See—
O-Cedar Corp.
Marinette Paper Company: See—
Seminole Paper Corporation, The.
Markwell Manufacturing Co., Inc., New York, N. Y. Staples. 569,568, Jan. 20; Serial No. 628,004, published Oct. 14, 1952. Class 13.
Mason, Au & Magenheimer Conf. Mfg. Co., assignee: See—
Hawley & Hoops.
Matthews Chemical Co.: See—
Matthews, Emmett.
Matthews, Emmett, doing business as Matthews Chemical Co., Roanoke Rapids, to Mrs. A. P. Matthews, Shelby, N. C. Medicinal preparation. 298,621, renewed Nov. 1, 1952. O. G. Jan. 20. Class 18.
Matthews, Mrs. Annie P.: See—
Matthews, Emmett.
Maurer, Martin R., to Leonard Desson, Riverhead, N. Y. Dressed poultry and live ducks. 296,767, renewed Aug. 23, 1952. O. G. Jan. 20. Class 46.
Matts Paint & Varnish Company, Madison, Wis. Wax. 569,454, Jan. 20; Serial No. 618,297, published Oct. 28, 1952. Class 4.
McCall Corporation, New York, N. Y. Printed and transfer patterns. 569,596, Jan. 20; Serial No. 631,455, published Oct. 28, 1952. Class 26.
Meier & Pohlmann Furniture Company, St. Louis, Mo. Dining and dinette tables and chairs, etc. 569,520, Jan. 20; Serial No. 625,115, published Oct. 28, 1952. Class 32.

Meridian Grala and Elevator Company: See—
Russell Company, The.
Meridian Grala & Elevator Company, Inc., assignee: See—
Russell Company, The.
Metal Lubricants Co., Chicago, Ill. Drawing oil. 569,568, Jan. 20; Serial No. 629,174, published Nov. 4, 1952. Class 15.
Metal & Thermit Corporation: See—
Allgemeine Thermit-Gesellschaft M. B. H.
Meyer, Joseph H., Bros., Brooklyn, N. Y. Pearl necklaces. 569,518, Jan. 20; Serial No. 624,891, published Nov. 4, 1952. Class 28.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed papers. 569,608, Jan. 20; Serial No. 544,640. Class 37.
Mira-Sham Corporation, Chicago, Ill. Non-woven cloth-like sheet material in the nature of chamola. 569,465, Jan. 20; Serial No. 617,411, published Oct. 21, 1952. Class 29.
Miron Mills, Incorporated, Clinton, Mass. Woolen piece goods. 569,593, Jan. 20; Serial No. 630,197, published Sept. 30, 1952. Class 42.
Mladom-Frank Corporation, New York, N. Y. Surgical and medical instruments, manicure instruments, and dental instruments. 569,370, Jan. 20; Serial No. 576,546, published May 29, 1951. Class 44.
Missoni Milk Products: See—
Baker, Frank G.
Modern Welding Company, Owensboro, Ky. Tanks. 569,632, Jan. 20; Serial No. 631,299. Class 2.
Moeller Mfg. Co., Inc., Racine, Wis. Stoppers for vacuum and other bottles. 569,507, Jan. 20; Serial No. 623,976, published Oct. 7, 1952. Class 50.
Monarch Paint Company, Inc., assignee: See—
Sleeca Soya Paint Co., Inc.
Monter, Harry E., doing business as Tasty Tooth Paste Co., Bloomfield, N. J., to Tasty Tooth Paste Corporation, Mount Vernon, N. Y. Toothpaste. 298,249, renewed Oct. 18, 1952. O. G. Jan. 20. Class 51.
Mother's Remedies Corporation, Chicago, Ill. Liquid dietary vitamin tonic. 569,487, Jan. 20; Serial No. 621,895, published Oct. 28, 1952. Class 18.
Multi-Speed Shutter Company, New York, N. Y., assignor to The Precision Machine Company, by International Projector Corporation, Bloomfield, N. J. Moving-picture apparatus and supplies. 88,633, Oct. 8, 1912. Republished Jan. 20. Class 26.
Munk, Irving, & Co., New York, N. Y. Watches. 569,633, Jan. 20; Serial No. 633,316. Class 27.
Mynor Pty. Ltd., Moosman, near Sydney, New South Wales, Australia. Canned or bottled deciduous and citrus fruit juices, canned and preserved fruits, etc. 569,413, Jan. 20; Serial No. 604,558, published Oct. 28, 1952. Class 46.
Nass Corporation of Indiana, The, Portland, Ind. Canned tomato juice. 569,361, Jan. 20; Serial No. 562,386, published Nov. 4, 1952. Class 46.
National Aluminate Corporation, Chicago, Ill. Pumps, water-motors and mechanisms. 298,080, renewed Oct. 11, 1952. O. G. Jan. 20. Class 23.
National Brass Company, Grand Rapids, Mich. Door strap hinges, door knockers, mail plates, etc. 569,376, Jan. 20; Serial No. 583,165, published Oct. 21, 1952. Class 13.
National Comics Publications, Inc., New York, N. Y. Periodical publication. 569,460, Jan. 20; Serial No. 617,094, published Oct. 28, 1952. Class 38.
National Cylinder Gas Company, Chicago, Ill. Rental, maintenance and repair of compressed gas producing and handling apparatus, etc. 569,597, Jan. 20; Serial No. 548,386, published Oct. 28, 1952. Class 103.
National Dairy Products Corporation, New York, N. Y. Whipped cream mixture. 569,471, Jan. 20; Serial No. 617,668, published June 24, 1952. Class 46.
National Mask and Puppet Corporation, Brooklyn, N. Y. Dolls. 569,564, Jan. 20; Serial No. 627,636, published Oct. 28, 1952. Class 22.
National Recreation Association, Inc., New York, N. Y. Weekly magazine. 569,409, Jan. 20; Serial No. 603,540, published Oct. 28, 1952. Class 38.
Natkis & Company, St. Louis, Mo. Display benches, cabinets, display counters, etc. 569,469, Jan. 20; Serial No. 617,766, published Oct. 28, 1952. Class 32.
"Neue Amag" Automobil- & Motoren A. G., Zurich, Switzerland. Motorcycles. 569,426, Jan. 20; Serial No. 610,136, published Sept. 16, 1952. Class 19.
New Holland Machine Company, New Holland, Pa. Belt-ing. 569,377, Jan. 20; Serial No. 583,545, published Oct. 28, 1952. Class 35.
Nicholls, J. W., Co. Ltd., Vancouver, British Columbia, Canada. Fresh, frozen, salted, smoked, and dried fish. 569,519, Jan. 20; Serial No. 624,895, published Nov. 4, 1952. Class 46.
Nopco Chemical Company, Harrison, N. J. Drawing compounds. 569,589, Jan. 20; Serial No. 629,178, published Nov. 4, 1952. Class 15.
North American Fibre Products Company, The: See—
North American Mogul Products Company, The.
North American Mogul Products Company, The, Cleveland, Ohio, assignee of The North American Fibre Products Company. Water, damp and leakproof coating of an adhesive cement nature, etc. 569,350, Jan. 20; Serial No. 640,866, published Oct. 14, 1952. Class 12.
North Pacific Plywood, Inc., doing business as Plywood Manufacture, Tacoma, Wash. Plywood. 569,615, Jan. 20; Serial No. 596,433. Class 12.
Northwest Publications, Inc., St. Paul, Minn. Advertising food products, kitchen necessities, and cooking equipment. 569,399, Jan. 20; Serial No. 591,696, published Oct. 28, 1952. Class 101.
O-Cedar Corp., Chicago, Ill., assignee of John P. Roth, doing business under the names of Germicidal Products Company and Maintenance Chemicals Manufacturing Company. Furniture polish and metal polish. 569,627, Jan. 20; Serial No. 611,147. Class 4.
Old Copper Mine Farms Inc., Warrenville, N. J. Cold frames and hot beds for plants and flowers. 569,556, Jan. 20; Serial No. 627,458, published Oct. 28, 1952. Class 50.
Olin Manufacturing Company: See—
Holloway, Albert F.
Onelda Ltd., Onelda and Sherrill, N. Y. Series of pamphlets. 569,402, Jan. 20; Serial No. 600,735, published Oct. 28, 1952. Class 38.
Orlea Trading Company: See—
Koulouris & Casaretto Co.
Orkin, William S., doing business as Agenda Club Service, New York, N. Y. Monthly publication. 569,461, Jan. 20; Serial No. 617,207, published Oct. 28, 1952. Class 38.
Osborn Manufacturing Company, The, Cleveland, Ohio. Foundry supplies. 569,356, Jan. 20; Serial No. 558,696, published Aug. 26, 1952. Class 23.
Osborn Manufacturing Company, The, Cleveland, Ohio. Rotary brushes forming parts of industrial machines, rotary brushes for mounting on arbors and shafting, etc. 569,479, Jan. 20; Serial No. 619,402, published Nov. 4, 1952. Class 23.
Our Own Hardware Company, Minneapolis, Minn. Power-driven lawn mowers. 569,626, Jan. 20; Serial No. 609,309. Class 23.
Owl Drug Company, The, San Francisco, Calif., to Elizabeth Arden Sales Corporation, New York, N. Y. Toilet water, tooth-powder, tooth-wash, etc. 87,560, renewed July 23, 1952. O. G. Jan. 20. Class 51.
P. B. R. Manufacturing Co., Philadelphia, Pa. Folding tables, folding chairs, folding utility shelves. 569,472, Jan. 20; Serial No. 618,650, published Oct. 28, 1952. Class 32.
Pacific Air-motive Corporation, Burbank, Calif. Servicing and maintenance tools and equipment. 569,379, Jan. 20; Serial No. 584,148, published Sept. 9, 1952. Class 23.
Pacific Chemical Manufacturing Co.: See—
Gurrich, Max A.
Panhandle Oil Corporation: See—
Panhandle Refining Company.
Panhandle Refining Company, to Panhandle Oil Corporation, Wichita Falls, Tex. Gasoline. 298,012, renewed Oct. 11, 1952. O. G. Jan. 20. Class 15.
Paramount-Florida Photo Service, Inc., doing business as Sun Photo Service, Jacksonville, Fla. Photo prints. 569,571, Jan. 20; Serial No. 628,165, published Oct. 28, 1952. Class 38.
Parents' Institute, Inc., The, New York, N. Y. Department in a periodical publication. 569,537, Jan. 20; Serial No. 626,820, published Oct. 28, 1952. Class 38.
Parents' Institute, Inc., The, New York, N. Y. Magazine. 569,538, Jan. 20; Serial No. 626,821, published Oct. 28, 1952. Class 38.
Parker, Frank, New York, N. Y., by Parker-Herbex Corporation, Stamford, Conn. Preparations for the hair. 39,517, Dec. 23, 1902. Republished Jan. 20. Class 51.
Parker-Herbex Corporation: See—
Parker, Frank.
Parodi Cigar Co. of New York: See—
Parodi Cigar Company of New York, Inc.
Parodi Cigar Company of New York, Inc., to Parodi Cigar Co. of New York, Scranton, Pa. Cigars. 297,671-3, renewed Sept. 27, 1952. O. G. Jan. 20. Class 17.
Parodi Cigar Company of New York, Inc., to Parodi Cigar Co. of New York, Scranton, Pa. Cigars. 297,689, renewed Sept. 27, 1952. O. G. Jan. 20. Class 17.
Parrott & Co., San Francisco, Calif. Canned fruits and vegetables, frozen fruits and vegetables, canned fish, etc. 569,476, Jan. 20; Serial No. 619,218, published Oct. 28, 1952. Class 46.
Pearl Coffee Company, The, Akron, Ohio. Tea and vinegar. 569,407, Jan. 20; Serial No. 602,854, published May 20, 1952. Class 46.
Pellon Corporation, assignee: See—
Downing Trading Corporation.
Petroleum Specialties, Inc., New York, N. Y. Wax of petroleum origin. 569,562, Jan. 20; Serial No. 627,598, published Oct. 28, 1952. Class 15.
Philadelphia Gear Works, Inc., Philadelphia, Pa. Power driven reduction gear units. 569,453, Jan. 20; Serial No. 616,334, published Sept. 30, 1952. Class 23.
Phillips Chemical Company, Bartlesville, Okla. Petroleum oils. 569,550, Jan. 20; Serial No. 627,353, published Oct. 28, 1952. Class 6.
Plax Corporation, West Hartford, Conn. Thin wall tubing formed of organic plastic material. 569,612, Jan. 20; Serial No. 672,118. Class 1.
Plywood Manufacture: See—
North Pacific Plywood, Inc.

LIST OF REGISTRANTS OF TRADE-MARKS

Practical Products Co., Minneapolis, Minn. Coin-operated soft drink dispensing machines. 569,437, Jan. 20; Serial No. 618,385, published Oct. 7, 1952. Class 23.

Pratt & Lambert, Inc., Buffalo, N. Y. Varnishes, paint enamels, lacquers, etc. 301,847, renewed Mar. 14, 1953. O. G. Jan. 20. Class 12.

Precision Machine Company, The, assignee: See—
Multi-Speed Shutter Company.

Prince Macaroni Manufacturing Company, Lowell, Mass. Spaghetti sauce. 569,468, Jan. 20; Serial No. 617,678, published Sept. 23, 1952. Class 46.

Red & White Corporation, Buffalo, N. Y., to Red & White Corporation, Chicago, Ill. Gelatine dessert. 302,232, renewed Apr. 4, 1953. O. G. Jan. 20. Class 46.

Ritter Company, Inc., Rochester, N. Y. Air compressors and pumps therefor. 569,478, Jan. 20; Serial No. 618,363, published Sept. 9, 1952. Class 23.

Rockford Paint Manufacturing Co., Rockford, Ill. Ready mixed colorants. 569,511, Jan. 20; Serial No. 624,300, published Oct. 21, 1952. Class 16.

Roma Wine Company, doing business as La Bodega Vineyards Co., Fresno, Calif., assignor, by means assignments, to Schenley Distillers Corporation, by Schenley Industries, Inc., New York, N. Y. Wines. 441,535, Dec. 7, 1948. Republished Jan. 20. Class 47.

Romen Meal Company, Tacoma, Wash. Breakfast cereals, and bread. 569,565, Jan. 20; Serial No. 568,669, published July 22, 1952. Class 48.

Roman Meal Company, Tacoma, Wash. Bread, biscuits, and crackers. 569,544, Jan. 20; Serial No. 627,088, published Oct. 28, 1952. Class 48.

Roman Meal Company, Tacoma, Wash. Bread, biscuits, cookies, and crackers. 569,545, Jan. 20; Serial No. 627,089, published Oct. 28, 1952. Class 48.

Roth, John P.: See—
O-Cedar Corp.

Royal Guest Foods, Inc., Los Angeles, Calif. Cookies, fig bars, wafers, etc. 569,425, Jan. 20; Serial No. 609,318, published Nov. 4, 1952. Class 46.

Royal Metal Manufacturing Company, Chicago, Ill. Stimulated leather or plastic material. 569,404, Jan. 20; Serial No. 600,788, published Jan. 29, 1952. Class 50.

Rubel & Company Decorative Accessories, Inc., New York, N. Y. Serving trays. 569,477, Jan. 20; Serial No. 610,262, published Sept. 30, 1952. Class 30.

Ruge-De Forest Inc., Cambridge, Mass. Thermometers. 569,368, Jan. 20; Serial No. 573,373, published Aug. 12, 1952. Class 28.

Rushmore, Walter C., doing business as American National Travelers Service, Denver, Colo. Travel services. 569,598, Jan. 20; Serial No. 584,419, published Oct. 28, 1952. Class 105.

Russell Company, The, Jackson, doing business under the style name of Meridian Grain and Elevator Company, assignor to Meridian Grain & Elevator Company, Inc., Meridian, Miss. Corn meal and hominy grits. 569,360, Jan. 20; Serial No. 561,862, published Nov. 4, 1952. Class 46.

SFI, Inc., assignor to Margaret W. Seep, Denver, Colo. Container used to hold cards. 569,623, Jan. 20; Serial No. 607,724. Class 22.

Salmanson & Co., Inc., New York, N. Y. Book cases, book shelves, chests, etc. 569,528, Jan. 20; Serial No. 626,054, published Oct. 28, 1952. Class 32.

Sanborn Hermanos, S. A., Mexico City, Mexico. Candles. 569,352, Jan. 20; Serial No. 551,477, published Oct. 28, 1952. Class 46.

Sanders, H. M., Co., Boston, Mass. Heavy hardware, general household hardware, etc. 569,397, Jan. 20; Serial No. 566,052, published Oct. 14, 1952. Class 13.

Sanderson Manufacturing Co., Philadelphia, Pa. Textile fabrics in the piece. 569,583, Jan. 20; Serial No. 628,879, published Oct. 28, 1952. Class 42.

San Diego Fruit & Produce Company, San Diego, Calif. Fresh peas. 569,496, Jan. 20; Serial No. 622,623, published Nov. 4, 1952. Class 46.

Sapolin Paints Inc., New York, N. Y. Floor enamel. 569,390, Jan. 20; Serial No. 594,810, published Mar. 4, 1952. Class 16.

Saunders, Rob. Co.: See—
Saunders, Robert D.

Saunders, Robert D., doing business as Rob Saunders Co., Watsonville, Calif. Fresh vegetables. 569,523, Jan. 20; Serial No. 625,545, published Oct. 28, 1952. Class 46.

Sayres, Stanley S., doing business as Seattle Speed Boat Co., Seattle, Wash. Toy model boat. 569,557, Jan. 20; Serial No. 627,463, published Oct. 28, 1952. Class 22.

Scandinavian Coffee Corp., Brooklyn, N. Y. Coffee. 569,539, Jan. 20; Serial No. 626,828, published Oct. 28, 1952. Class 46.

Schenley Distillers Corporation: See—
Roma Wine Company.

Schenley Industries, Inc.: See—
Roma Wine Company.

Schmieder, Helen L., trading as Soothee-Shade Company, Maple Shade, N. J. Shade designed to hold eye pads. 569,497, Jan. 20; Serial No. 622,959, published Oct. 28, 1952. Class 44.

Schofield, C. A., doing business under the name and style of C. A. Schofield Co., Philadelphia, Pa. Table tops, cabinet tops and counter tops. 569,322, Jan. 20; Serial No. 625,370, published Oct. 28, 1952. Class 32.

Schofield, C. A. Co.: See—
Schofield, C. A.

Schreibman, Louis F., doing business as Honey-Kream Distributing Co., Philadelphia, Pa. Potato chips, pretzels and pretzel sticks. 569,364, Jan. 20; Serial No. 568,329, published Oct. 28, 1952. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Hand operated mechanical paint stripping tool. 569,359, Jan. 20; Serial No. 561,503, published Oct. 14, 1952. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Venetian blind cleaner. 569,439, Jan. 20; Serial No. 613,735, published Oct. 28, 1952. Class 52.

Seattle Speed Boat Co.: See—
Sayres, Stanley S.

Seep, Margaret W., assignee: See—
SFI, Inc.

Sekine, I., Company, Inc., New York, N. Y. Toothbrushes. 569,535, Jan. 20; Serial No. 626,709, published Oct. 28, 1952. Class 29.

Seminole Paper Corporation, The, Chicago, Ill., to Marinette Paper Company, Marinette, Wis. Toilet paper. 302,032, renewed Mar. 21, 1953. O. G. Jan. 20. Class 37.

Show Dog Products, Chicago, Ill. Shampoo preparation. 569,512, Jan. 20; Serial No. 624,308, published Oct. 28, 1952. Class 52.

Sicca Soya Paint Co., Inc., assignor, by means assignments, to Monarch Paint Company, Inc., Peoria, Ill. Synthetic resin decorative textured paint coating composition. 569,372, Jan. 20; Serial No. 579,454, published Oct. 21, 1952. Class 18.

Sier-Bath Gear and Pump Co., Inc., North Bergen, N. J. Gears, worms, wormwheels, etc. 569,549, Jan. 20; Serial No. 627,305, published Oct. 14, 1952. Class 23.

Stikes Company, Inc., The, Buffalo, N. Y. Bedroom dressers, night stands, chests, etc. 569,445, Jan. 20; Serial No. 615,138, published Oct. 28, 1952. Class 32.

Siliconized Fur Processing Co., New York, N. Y. Glazing and restoring the luster to furs. 569,635, Jan. 20; Serial No. 620,369. Class 109.

Simmons Tours, Inc., New York, N. Y. Publication. 301,254, renewed Feb. 21, 1953. O. G. Jan. 20. Class 38.

Simonis Company: See—
Simonis Company, The.

Simonis Company, The, Chicago, Ill., now by change of name Simonis Company. Composition for cleaning and restoring the color of white sidewall tires. 569,412, Jan. 20; Serial No. 604,276, published Oct. 21, 1952. Class 52.

6-O'Clock Foods, Inc., Norristown, Pa., and New York, N. Y. Cake frosting. 569,610, Jan. 20; Serial No. 566,665. Class 46.

Smith, Alvin R., Spokane, Wash. Preparations to be applied to the hair and scalp to stimulate hair growth and condition the scalp. 569,405, Jan. 20; Serial No. 600,790, published Oct. 28, 1952. Class 51.

Snug-Fit Brassiere Co., to Snug-Fit Foundations Company, New York, N. Y. Corsets, brassieres, and combinations thereof. 298,836, renewed Aug. 16, 1952. O. G. Jan. 20. Class 39.

Snug-Fit Foundations Company: See—
Snug-Fit Brassiere Co.

Soap Specialties, Inc., Philadelphia, Pa. Sudsing detergent. 569,584, Jan. 20; Serial No. 628,966, published Oct. 28, 1952. Class 52.

Societe d'Etudes et de Fabrications d'Articles Modernes d'Organisation (S. E. F. A. M. O.), Les Lilas (Seine), France. Office furniture. 569,473, Jan. 20; Serial No. 618,764, published Oct. 28, 1952. Class 32.

Soothee-Shade Company: See—
Schmieder, Helen L.

Southeastern Syrup Company, Jackson, Tenn. Table syrup. 569,536, Jan. 20; Serial No. 628,757, published Oct. 28, 1952. Class 46.

Southland Coffee Company, Atlanta, Ga. Coffee. 569,563, Jan. 20; Serial No. 627,805, published Oct. 28, 1952. Class 46.

Spear's, Alden, Sons Company, The, Cambridge, Mass. Laundry bluing. 299,183, Nov. 22, 1932. Republished Jan. 20, 1953. Class 8.

Spiegel, Inc., Chicago, Ill. Row boats. 569,440, Jan. 20; Serial No. 614,221, published Sept. 16, 1952. Class 19.

Standard Brands Incorporated, New York, N. Y. Amylolytic or starch-liquefying preparation. 301,913, renewed Mar. 21, 1953. O. G. Jan. 20. Class 6.

Standard Cap and Seal Corporation, Chicago, Ill., now by change of name Standard Packaging Corporation. Bottle closures. 569,453, Jan. 20; Serial No. 616,251, published Sept. 16, 1952. Class 50.

Standard Packaging Corporation: See—
Standard Cap and Seal Corporation.

Star Brush Manufacturing Co., Inc., Boston, Mass. Paint application roller. 569,466, Jan. 20; Serial No. 617,590, published Oct. 28, 1952. Class 29.

Stein, Irving, Wilkes-Barre, Pa. Fur skins. 569,436, Jan. 20; Serial No. 612,876, published Oct. 28, 1952. Class 1.

Steiner, Otto E., German Township, St. Joseph County, Ind. Acrylic cement. 569,585, Jan. 20; Serial No. 628,968, published Oct. 28, 1952. Class 5.

LIST OF REGISTRANTS OF TRADE-MARKS

Stocker Manufacturing Company, Netcong, N. J. Sealing tapes. 569,614, Jan. 20; Serial No. 583,611. Class 5.

Stromeyer, J., Company: See—
Stromeyer, Julius.

Stromeyer, Julius, to J. Stromeyer Company, Philadelphia, Pa. Table-syrups. 136,205, Oct. 26, 1920. New certificate. O. G. Jan. 20. Class 46.

Stromeyer & Metzler, to J. Stromeyer Company, Philadelphia, Pa. Table-syrup. 46,054, Sept. 5, 1903. New certificate. O. G. Jan. 20. Class 46.

Student, Erich, doing business as "Studiophot," Cleveland, Ohio. Photographic cameras, color filters, close up lenses, etc. 569,503, Jan. 20; Serial No. 623,690, published Aug. 12, 1952. Class 26.

"Studiophot": See—
Student, Erich.

Suchard Holding Societe Anonyme, Lausanne, Switzerland. Prepared edible chocolate. 569,481, Jan. 20; Serial No. 620,054, published Nov. 4, 1952. Class 46.

Sue Ann Food Products Corporation, Chicago, Ill. Cocktail sauce. 569,436, Jan. 20; Serial No. 616,343, published Oct. 28, 1952. Class 48.

Sun Photo Service: See—
Paramount-Florida Photo Service, Inc.

Superior Ice Cream Company: See—
Coffee County Creamery Inc.

Superior Pharmacal Co., The, Dayton, Ohio. Antacid for treatment of stomach ulcers. 569,491, Jan. 20; Serial No. 622,365, published Oct. 28, 1952. Class 18.

Swiss Watch Dial Co., Inc.: See—
Drema Manufacturing Company, Inc.

Tastie Tooth Paste Co.: See—
Montero, Harry E.

Tasty Tooth Paste Corporation: See—
Montero, Harry E.

Tetley, Joseph, & Co. Inc., to Tetley Tea Co., Inc., New York, N. Y. Tea. 302,228, renewed Apr. 4, 1953. O. G. Jan. 20. Class 40.

Tetley Tea Co., Inc.: See—
Tetley, Joseph, & Co. Inc.

Toldey Company, Gertrude A. Muller, Inc., The, Fort Wayne, Ind. Infants' disassembled furniture, and step ladder for infants. 569,506, Jan. 20; Serial No. 623,934, published Oct. 28, 1952. Class 32.

Topica Publishing Company, Inc., New York, N. Y. Periodical publication. 301,863, renewed Mar. 21, 1953. O. G. Jan. 20. Class 38.

Towle Manufacturing Company, Newburyport, Mass. Sterling silver and sterling silver mounted flatware and table cutlery. 569,394, Jan. 20; Serial No. 630,240, published Nov. 4, 1952. Class 28.

Trade Wind Importing Co., Mount Vernon, N. Y. Bamboo roll-up blinds for windows. 569,510, Jan. 20; Serial No. 624,166, published Oct. 28, 1952. Class 32.

Transparent Specialties Corporation, Cleveland, Ohio. Plastic cover and plate. 569,622, Jan. 20; Serial No. 600,499. Class 2.

Tropical Agriculture Co-Operative Association, doing business as Farnouth Growers Co-Operative Assn., Goulds, Fla. Potatoes. 569,492, Jan. 20; Serial No. 622,517, published Oct. 28, 1952. Class 46.

Tropical Agriculture Co-Operative Association, doing business as Farnouth Growers Co-Op Ass'n., Goulds, Fla. Potatoes. 569,493, Jan. 20; Serial No. 622,518, published Oct. 28, 1952. Class 46.

Troy Blanket Mills, Troy, N. H. Piece goods and blankets. 299,608, Dec. 13, 1932. Republished Jan. 20. Class 42.

Tumbler Ads, El Paso, Tex. Glass tumblers. 569,624, Jan. 20; Serial No. 607,728. Class 33.

Tupper Plastics, Inc., Farnumville, Mass. Tumblers, drinking cups, bowls, etc. 444,748, Jan. 20; Serial No. 614,920, published Oct. 17, 1950. Class 2.

Union Carbide and Carbon Corporation, New York, N. Y. Magazine. 569,423, Jan. 20; Serial No. 609,264, published June 24, 1952. Class 38.

United Feature Syndicate, Inc., New York, N. Y. Newspaper column. 569,509, Jan. 20; Serial No. 624,063, published Oct. 28, 1952. Class 38.

United Merchants and Manufacturers, Inc., New York, N. Y. Piece goods. 569,593, Jan. 20; Serial No. 631,228, published Oct. 28, 1952. Class 42.

U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 569,531, Jan. 20; Serial No. 626,274, published Oct. 21, 1952. Class 60.

United States Rubber Company, New York, N. Y. Cellular plastic material. 569,399, Jan. 20; Serial No. 599,723, published Apr. 22, 1952. Class 1.

Utility Chemical Company, Paterson, N. J. All-purpose cleaner. 569,628, Jan. 20; Serial No. 611,731. Class 32.

Vance, Sanders & Company, Boston, Mass. Weekly trade magazine. 569,444, Jan. 20; Serial No. 614,858, published Oct. 28, 1952. Class 38.

WJW, Inc., Cleveland, Ohio. Radio program broadcasting services. 569,607, Jan. 20; Serial No. 628,883, published Oct. 28, 1952. Class 104.

Waldes & Co., Prague-Wrschowitz, Austria-Hungary, to Waldes Kohinoor, Inc., Long Island City, N. Y. Garment-fasteners. 90,490, re-renewed Feb. 25, 1953. O. G. Jan. 20. Class 40.

Waldes Kohinoor, Inc.: See—
Waldes & Co.

Walker, Hiram, & Sons Inc., Detroit, Mich. Whiskey. 346,222, May 18, 1937. Republished Jan. 20. Class 49.

Wallace & Co., Brooklyn, N. Y. Candles. 569,609, Jan. 20; Serial No. 552,619. Class 46.

Webb, Thomas J., Company, Chicago, Ill. Coffee. 569,375, Jan. 20; Serial No. 582,810, published Oct. 21, 1952. Class 46.

Webster Electric Company, Racine, Wis. Pumps, and thermostatically controlled variable diameter pulleys, etc. 569,400, Jan. 20; Serial No. 602,352, published Oct. 21, 1952. Class 23.

Weekly Publications, Inc., New York, N. Y. Department or section of a periodical publication. 569,507, Jan. 20; Serial No. 627,092, published Oct. 28, 1952. Class 38.

Wellman-Peck & Co., San Francisco, Calif. Canned vegetables, fruits, fruit juice, etc. 569,351, Jan. 20; Serial No. 544,013, published Feb. 12, 1952. Class 46.

West Disinfecting Company, New York, to West Disinfecting Company, Long Island City, N. Y. A germicide, a bactericide, and an insecticide. 88,717, re-renewed Oct. 15, 1952. O. G. Jan. 20. Class 18.

West Disinfecting Company, Long Island City, N. Y. Liquid soap. 569,521, Jan. 20; Serial No. 625,169, published Oct. 28, 1952. Class 52.

Westinghouse Electric Corporation: See—
Westinghouse Electric & Manufacturing Company.

Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ammeters, voltmeters, wattmeters, etc. 298,763, renewed Nov. 8, 1952. O. G. Jan. 20. Class 26.

Westinghouse Electric and Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric arc and incandescent lamps, electric controllers, etc. 299,083, renewed Nov. 22, 1952. O. G. Jan. 20. Class 21.

Westminster Laboratories Limited, London, England. Laxative preparations. 569,581, Jan. 20; Serial No. 628,800, published Oct. 28, 1952. Class 18.

Wheeler Varnish Works: See—
General Paint & Varnish Co.

Wheeler Varnish Works, by Wheeler Varnish Works, Inc., Chicago, Ill. House paint and varnish. 162,940, Dec. 26, 1922. Republished Jan. 20. Class 16.

Wheeler Varnish Works, Inc.: See—
General Paint & Varnish Co.

Wheeling Corrugating Company, Wheeling, W. Va. Harrows. 569,367, Jan. 20; Serial No. 572,004, published Sept. 30, 1952. Class 23.

White-Haines Optical Company, The, Columbus, Ohio. Prescription service. 569,602, Jan. 20; Serial No. 625,053, published Oct. 28, 1952. Class 106.

Woodward Governor Company, Rockford, Ill. Automatic governors. 569,349, Jan. 20; Serial No. 528,903, published Sept. 30, 1952. Class 23.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 569,573, Jan. 20; Serial No. 628,317, published Oct. 28, 1952. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fur skins. I. Stein. 569,436, Jan. 20; Serial No. 412,876, published Oct. 28, 1952.

Cellular plastic material. United States Rubber Company. 569,399, Jan. 20; Serial No. 599,723, published Apr. 22, 1952.

Coal. Huntville-Sinclair Mining Company. 297,658, renewed Sept. 27, 1952. O. G. Jan. 20.

Leather, Waterproof and treated. Independent Leather Manufacturing Co., Inc. 565,331, Oct. 14, 1952. Corrected. O. G. Jan. 20.

Seeds, Garden and field, bulbs, and plants. Associated Seed Growers, Incorporated. 299,909, renewed Jan. 3, 1953. O. G. Jan. 20.

CLASS 2

Seeds, Garden and field, bulbs, and plants. Associated Seed Growers, Incorporated. 300,099, renewed Jan. 3, 1953. O. G. Jan. 20.

Seeds, Garden and field, bulbs, and plants. Associated Seed Growers, Incorporated. 300,456, renewed Jan. 17, 1953. O. G. Jan. 20.

Thin wall tubing formed of organic plastic material. Plax Corporation. 569,612, Jan. 20; Serial No. 572,118.

Bags, Empty. Fruit Products Corporation. 569,553, Jan. 20; Serial No. 627,433, published Oct. 28, 1952.

Bags, Empty. Fruit Products Corporation. 569,554, Jan. 20; Serial No. 627,435, published Oct. 28, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Bags, Empty. Fruit Products Corporation. 569,555, Jan. 20; Serial No. 627,439, published Oct. 28, 1952.
Cases, Corrugated paper beverage. Fort Wayne Corrugated Paper Company. 569,587, Jan. 20; Serial No. 629,103, published Nov. 4, 1952.
Plastic cover and plate. Transparent Specialties Corporation. 569,622, Jan. 20; Serial No. 606,499.
Tanks. Modern Welding Company. 569,632, Jan. 20; Serial No. 631,299.
Tumblers, drinking cups, bowls, etc. Tupper Plastics, Inc. 444,748, Jan. 20; Serial No. 514,920, published Oct. 17, 1950.
Waste baskets. Argus Products. 569,619, Jan. 20; Serial No. 598,344.

CLASS 4

Liquid metal polish and porcelain cleaner, creme furniture polish, etc. The Great Atlantic and Pacific Tea Company. 569,451, Jan. 20; Serial No. 616,009, published Oct. 28, 1952.
Polish, Furniture, and metal polish. O-Cedar Corp'n. 569,627, Jan. 20; Serial No. 611,147.
Wax. Mauts Paint & Varnish Company. 569,454, Jan. 20; Serial No. 616,207, published Oct. 28, 1952.

CLASS 5

Acrylic cement. O. E. Stelzer. 569,585, Jan. 20; Serial No. 628,968, published Oct. 28, 1952.
Adhesive. Liquid. A. W. Kellogg. 569,572, Jan. 20; Serial No. 628,210, published Oct. 28, 1952.
Label-pastes. Ernecke & Salmstein Co. 80,179, re-renewed Nov. 19, 1952. O. G. Jan. 20.
Sealing tapes. Stocker Manufacturing Company. 569,614, Jan. 20; Serial No. 585,611.

CLASS 6

Amylolytic or starch-liquefying preparation. Standard Brands Incorporated. 301,913, renewed Mar. 21, 1953. O. G. Jan. 20.
Bleach, Chemical Bour. A. Klejn. 569,486, Jan. 20; Serial No. 621,672, published Oct. 28, 1952.
Bluing, Laundry. The Alden Speare's Sons Company. 299,183, Nov. 22, 1932. Republished Jan. 20.
Chemical flux. Eutectic Welding Alloys Corporation. 569,552, Jan. 20; Serial No. 627,428, published Oct. 28, 1952.
Petroleum oils. Phillips Chemical Company. 569,530, Jan. 20; Serial No. 627,353, published Oct. 28, 1952.
Precious metal salts and precious metal electroplating preparations. Baker & Company, Inc. 299,142, renewed Nov. 22, 1952. O. G. Jan. 20.
Water softening agents. F. C. Bernworth. 569,450, Jan. 20; Serial No. 615,874, published Apr. 29, 1952.

CLASS 8

Cigarette lighters and flints therefor, cigarette cases, cigarette and lighter case combinations, etc. Belgo Canadian Mfg. Co. Ltd. 569,490, Jan. 20; Serial No. 622,290, published Oct. 28, 1952.

CLASS 11

Thermoplastic material that is mixed with ceramic colors for screen printing. H. F. Drakenfeld & Co., Inc. 569,420, Jan. 20; Serial No. 608,412, published Oct. 28, 1952.

CLASS 12

Plywood. North Pacific Plywood, Inc. 569,615, Jan. 20; Serial No. 596,433.
Prefabricated building units. General Building Materials, Inc. 569,611, Jan. 20; Serial No. 570,413.
Shingles, Asbestos cement. The Flintkote Company. 569,533, Jan. 20; Serial No. 626,504, published Oct. 14, 1952.
Shingles, Roofing. The Flintkote Company. 569,532, Jan. 20; Serial No. 628,502, published Oct. 14, 1952.
Varnishes, paint enamels, lacquers, etc. Pratt & Lambert, Inc. 301,847, renewed Mar. 14, 1953. O. G. Jan. 20.
Water, damp and leakproof coating of an adhesive cement nature, etc. The North American Mogul Products Company. 569,350, Jan. 20; Serial No. 540,856, published Oct. 14, 1952.

CLASS 13

Septic tanks. W. L. Roening. 569,373, Jan. 20; Serial No. 580,974, published Oct. 21, 1952.
Couplings. Heco Manufacturing Co. 569,482, Jan. 20; Serial No. 620,085, published Oct. 28, 1952.
Dispensers. The Davies-Young Soap Company. 569,508, Jan. 20; Serial No. 624,027, published Oct. 21, 1952.
Dispensers and parts thereof, wall type towel. Fricar Mfg. Co., Inc. 569,452, Jan. 20; Serial No. 616,164, published Oct. 21, 1952.
Dispensers and parts thereof, wall type towel. Fricar Mfg. Co., Inc. 569,462, Jan. 20; Serial No. 617,239, published Oct. 21, 1952.
Door strap hinges, door knockers, mail plates, etc. National Brass Company. 569,376, Jan. 20; Serial No. 583,165, published Oct. 21, 1952.
Furniture trimmings and hardware. The Bassick Company. 569,363, Jan. 20; Serial No. 565,747, published Oct. 21, 1952.

Hardware, Heavy, general household hardware, etc. H. M. Sanders Co. 569,397, Jan. 20; Serial No. 596,952, published Oct. 14, 1952.

Manually operated valves; lever operated valves; strainers; etc. General Controls Co. 569,354, Jan. 20; Serial No. 553,841, published July 1, 1952.

Metal tubing; metal carpet strips; metal price tag mouldings, etc. Losit Systems, Inc. 569,383, Jan. 20; Serial No. 585,850, published Oct. 14, 1952.

Plumbing drainage products. Norman Boosey Manufacturing Company. 569,542, Jan. 20; Serial No. 627,043, published Oct. 21, 1952.

Precision mechanical springs. Automatic Spring Coiling Co. 569,421, Jan. 20; Serial No. 609,157, published Oct. 28, 1952.

Staples. Markwell Manufacturing Co., Inc. 569,568, Jan. 20; Serial No. 628,004, published Oct. 14, 1952.

Stopper and liquid pouring device, Combination. Mort Greene Enterprises, Inc. 569,380, Jan. 20; Serial No. 584,190, published Oct. 14, 1952.

Toilet seats. The Associated Merchandising Corporation. 569,569, Jan. 20; Serial No. 628,030, published Oct. 14, 1952.

Traverse tracks for drapery. The Eastern Venetian Blind Company. 569,467, Jan. 20; Serial No. 617,657, published Oct. 28, 1952.

Valves. The Denison Engineering Company. 569,483, Jan. 20; Serial No. 620,838, published Oct. 28, 1952.

Valves and parts thereof, Fluid. Coyne & Delany Co. 569,514, Jan. 20; Serial No. 624,397, published Oct. 14, 1952.

Waste-water-outlet cover plates. Crane Co. 569,574, Jan. 20; Serial No. 628,346, published Oct. 21, 1952.

Welded metal mesh fabric. Keystone Steel and Wire Company. 569,489, Jan. 20; Serial No. 622,241, published Oct. 14, 1952.

Wire screening. Continental Copper & Steel Industries, Inc. 569,480, Jan. 20; Serial No. 619,449, published Oct. 14, 1952.

CLASS 14

Metal compounds. Allgemeine Thermo-Gesellschaft M. B. H. 39,543, re-renewed Dec. 23, 1952. O. G. Jan. 20.

CLASS 15

Drawing compounds. Nopec Chemical Company. 569,589, Jan. 20; Serial No. 629,178, published Nov. 4, 1952.

Gaoline. Panhandle Refining Company. 298,012, renewed Oct. 11, 1952. O. G. Jan. 20.

Oil, Drawing. Metal Lubricants Co. 569,588, Jan. 20; Serial No. 629,174, published Nov. 4, 1952.

Oils and greases, Lubricating. The Canfield Oil Company. 300,914, renewed Feb. 14, 1953. O. G. Jan. 20.

Wax of petroleum origin. Petroleum Specialties, Inc. 569,562, Jan. 20; Serial No. 627,598, published Oct. 28, 1952.

CLASS 16

Coating, Corrosive resisting asphalt base, paint primers, paint coatings, etc. Earl Paint Corporation. 569,378, Jan. 20; Serial No. 583,990, published Oct. 21, 1952.

Enamel, Floor. Sapolin Paints Inc. 569,390, Jan. 20; Serial No. 594,810, published Mar. 4, 1952.

Paint coating composition, Synthetic resin decorative textured. Sica Noya Paint Co., Inc. 569,372, Jan. 20; Serial No. 579,464, published Oct. 21, 1952.

Paint, House, and varnish. Wheeler Varnish Works. 162,940, Dec. 26, 1922. Republished Jan. 20.

Paint, Ready mixed, paste colors in oil, shellac, and varnishes. M. Abelman. 300,931, renewed Feb. 14, 1953. O. G. Jan. 20.

Paint, Ready-mixed, varnish and paint enamel. The Goodyear Tire & Rubber Company. 300,926, renewed Feb. 14, 1953. O. G. Jan. 20.

Paint, Ready-mixed, varnishes, stains, etc. General Paint & Varnish Co. 313,021, May 15, 1934. Republished Jan. 20.

Paint, Ready-mixed, varnishes, stains, etc. General Paint & Varnish Co. 321,532, Feb. 5, 1935. Republished Jan. 20.

Ready mixed colorants. Rockford Paint Manufacturing Co. 569,511, Jan. 20; Serial No. 624,300, published Oct. 21, 1952.

CLASS 17

Cigars. T. E. Brooks & Co. 569,515, Jan. 20; Serial No. 624,444, published Oct. 28, 1952.

Cigars. Parodi Cigar Company of New York, Inc. 297,071-3, renewed Sept. 27, 1952. O. G. Jan. 20.

Cigars. Parodi Cigar Company of New York, Inc. 297,080, renewed Sept. 27, 1952. O. G. Jan. 20.

CLASS 18

A germicide, a bactericide, and an insecticide. West Disinfecting Company. 88,717, re-renewed Oct. 15, 1952. O. G. Jan. 20.

Analgic. Abbott Laboratories. 569,488, Jan. 20; Serial No. 622,190, published Oct. 28, 1952.

Antacid for treatment of stomach ulcers. The Superior Pharmaceutical Co. 569,491, Jan. 20; Serial No. 622,365, published Oct. 28, 1952.

Aspirin tablets and mineral oil. Gray Drug Stores, Inc. 569,629, Jan. 20; Serial No. 617,960.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Composition of glycoxyamine and a methylating agent. International Minerals & Chemical Corporation. 569,434, Jan. 20; Serial No. 612,331, published Oct. 28, 1952.

Laxative preparations. Westminster Laboratories Limited. 569,581, Jan. 20; Serial No. 628,800, published Oct. 28, 1952.

Liver and blood tonic, a healing oil, an oil for the treatment of rheumatism, etc. Ha-Mall Medical Co. 302,082, renewed Mar. 28, 1953. O. G. Jan. 20.

Medical preparations. Chilcote Laboratories, Inc. 569,575, Jan. 20; Serial No. 628,468, published Oct. 28, 1952.

Medicinal preparation. E. Matthews. 298,621, renewed Nov. 1, 1952. O. G. Jan. 20.

Ovarian hormone preparation, Standardized. G. W. Carnrick Co. 300,022, renewed Jan. 3, 1953. O. G. Jan. 20.

Vitamin tonic, Liquid dietary. Mother's Remedies Corporation. 569,487, Jan. 20; Serial No. 621,895, published Oct. 28, 1952.

CLASS 19

Automobiles and their structural parts. Chrysler Corporation. 569,431, Jan. 20; Serial No. 611,404, published Sept. 16, 1952.

Bicycles, cycle frames, handle bars, etc. Comrade Cycle Company Limited. 569,392-3, Jan. 20; Serial Nos. 595,122-3, published Sept. 16, 1952.

Boats, Row. Spiegel, Inc. 569,440, Jan. 20; Serial No. 614,221, published Sept. 16, 1952.

Deflecting shields for attachment to a body portion of an automobile. The Calnevar Company. 569,447, Jan. 20; Serial No. 615,366, published Sept. 16, 1952.

Dollies and hand trucks. Fab-Weld Corporation. 569,449, Jan. 20; Serial No. 615,094, published Sept. 16, 1952.

Hand operated dollies. Cherry-Burrell Corporation. 569,347, Jan. 20; Serial No. 522,823, published Sept. 16, 1952.

Motorcycles. "Neue Amag" Automobil- & Motoren A. G. 569,426, Jan. 20; Serial No. 610,136, published Sept. 16, 1952.

Motor driven and trailer materials-handling equipment. The Euclid Road Machinery Co. 569,438, Jan. 20; Serial No. 613,060, published Sept. 16, 1952.

Truck bodies, Manufactured, truck cabs, "Jeep tops," etc. Hranbaugh Body Company. 569,416, Jan. 20; Serial No. 605,942, published Sept. 16, 1952.

CLASS 21

Electric arc and incandescent lamps, electric controllers, etc. Westinghouse Electric and Manufacturing Company. 299,083, renewed Nov. 22, 1952. O. G. Jan. 20.

Electric water heaters. Gas and Electric Heater Co. 290,632, Jan. 12, 1932. Republished Jan. 20.

Electrically conductive compounds. H. V. Hardman Co. Incorporated. 569,621, Jan. 20; Serial No. 600,012.

CLASS 22

Container used to hold cards. SFI, Inc. 569,623, Jan. 20; Serial No. 607,724.

Dolls. National Mask and Puppet Corporation. 569,564, Jan. 20; Serial No. 627,636, published Oct. 28, 1952.

Toy model boat. S. S. Sayre. 569,557, Jan. 20; Serial No. 627,463, published Oct. 28, 1952.

CLASS 23

Air compressors and pumps therefor. Ritter Company, Inc. 569,478, Jan. 20; Serial No. 619,363, published Sept. 9, 1952.

Automatic governors. Woodward Governor Company. 569,349, Jan. 20; Serial No. 528,903, published Sept. 30, 1952.

Automotive engines. Kaiser-Frazer Corporation. 569,364, Jan. 20; Serial No. 591,085, published Sept. 30, 1952.

Carpet-sweepers. Blaisell Carpet Sweeper Company. 89,908, re-renewed Jan. 21, 1953. O. G. Jan. 20.

Dispensing machines, Coin-operated soft drink. Practical Products Co. 569,457, Jan. 20; Serial No. 616,385, published Oct. 7, 1952.

Envelope opening machines. Commercial Controls Corporation. 569,617, Jan. 20; Serial No. 597,945.

Flue expanders for steam boilers. The J. Faessler Mfg. Co. 569,475, Jan. 20; Serial No. 619,160, published Nov. 4, 1952.

Foundry supplies. The Osborn Manufacturing Company. 569,356, Jan. 20; Serial No. 556,696, published Aug. 28, 1952.

Gears, worms, wormwheels, etc. Sier-Bath Gear and Pump Co., Inc. 569,549, Jan. 20; Serial No. 627,305, published Oct. 14, 1952.

Hand operated mechanical paint stripping tool. Sears, Roebuck and Co. 569,359, Jan. 20; Serial No. 561,503, published Oct. 14, 1952.

Harrows. Wheeling Corrugating Company. 569,367, Jan. 20; Serial No. 572,004, published Sept. 30, 1952.

Lawn mowers, Power-driven. Our Own Hardware Company. 569,626, Jan. 20; Serial No. 609,309.

Manure spreaders. A. B. Farquhar Company. 569,433, Jan. 20; Serial No. 612,201, published Sept. 30, 1952.

Mimeographs and parts thereof. A. B. Dick Company. 569,374, Jan. 20; Serial No. 562,215, published Sept. 9, 1952.

Mufflers for internal combustion engines and parts thereof. International Parts Corp. 569,435, Jan. 20; Serial No. 612,399, published Oct. 14, 1952.

Positive drive differentials. Dualoc Drive, Inc. 569,613, Jan. 20; Serial No. 580,775.

Power driven reduction gear units. Philadelphia Gear Works, Inc. 569,465, Jan. 20; Serial No. 616,334, published Sept. 30, 1952.

Presses for drawing metals. Hydropress, Inc. 569,499, Jan. 20; Serial No. 623,305, published Oct. 7, 1952.

Pumps, and thermostatically controlled variable-diameter pulleys, etc. Webster Electric Company. 569,406, Jan. 20; Serial No. 602,352, published Oct. 21, 1952.

Pumps, water-motors and mechanisms. National Aluminate Corporation. 298,080, renewed Oct. 11, 1952. O. G. Jan. 20.

Rotary brushes forming parts of industrial machines rotary brushes for mounting on arbors and shafting, etc. The Osborn Manufacturing Company. 569,479, Jan. 20; Serial No. 619,402, published Nov. 4, 1952.

Servicing and maintenance tools and equipment. Pacific Automotive Corporation. 569,379, Jan. 20; Serial No. 584,148, published Sept. 9, 1952.

Sprayers, Hand-operated compression. H. D. Hudson Manufacturing Company. 569,446, Jan. 20; Serial No. 615,277, published Sept. 9, 1952.

Tools, Hand. Duro Metal Products Co. 569,485, Jan. 20; Serial No. 621,261, published Oct. 7, 1952.

Units for moistening, dehydrating, cooling, etc., organic products. Guardite Corporation. 569,417, Jan. 20; Serial No. 607,287, published Sept. 16, 1952.

Water pumping systems, pumps and pressure tanks and parts thereof. Berkeley Pump Company. 569,355, Jan. 20; Serial No. 556,394, published Oct. 7, 1952.

Wire-clamps and wire-appealing clamps, wrenches, pliers, etc. Mathias Klein & Sons. 89,564, re-renewed Dec. 24, 1952. O. G. Jan. 20.

Wrenches, Socket; box wrenches; open end wrenches, etc. Blackhawk Mfg. Co. 569,369, Jan. 20; Serial No. 576,511, published Oct. 14, 1952.

Class 25

Safes. Herring-Hall-Marvin Safe Company. 52,827, May 22, 1906. Republished Jan. 20.

Safes. Herring-Hall-Marvin Safe Company. 56,278, Sept. 4, 1906. Republished Jan. 20.

CLASS 26

Ammeters, voltmeters, wattmeters, etc. Westinghouse Electric & Manufacturing Company. 298,763, renewed Nov. 8, 1952. O. G. Jan. 20.

Brake testing machines. The Firestone Tire & Rubber Company. 297,986, renewed Oct. 11, 1952. O. G. Jan. 20.

Brake testing machines and brake lining testing machines. The Firestone Tire & Rubber Company. 297,985, renewed Oct. 11, 1952. O. G. Jan. 20.

Cameras, Motion picture. Bell & Howell Company. 569,504, Jan. 20; Serial No. 623,745, published Aug. 12, 1952.

Lettering and drafting guides and rulers. A. B. Dick Company. 296,811, Aug. 23, 1932. Republished Jan. 20.

Moving-picture apparatus and supplies. Multi-Speed Shutter Company. 88,633, Oct. 8, 1912. Republished Jan. 20.

Patterns, Printed and transfer. McCall Corporation. 569,596, Jan. 20; Serial No. 631,455, published Oct. 28, 1952.

Photographic cameras, color filters, close up lenses, etc. E. Student. 569,503, Jan. 20; Serial No. 623,690, published Aug. 12, 1952.

Photographic lenses. Ercona Camera Corporation. 569,448, Jan. 20; Serial No. 615,443, published Aug. 12, 1952.

Thermometers. Ruge-De Forest Inc. 569,368, Jan. 20; Serial No. 573,573, published Aug. 12, 1952.

CLASS 27

Jewels for watch movements. Illinois Watch Case Co. 569,630, Jan. 20; Serial No. 621,364.

Watches. Irving Munk & Co. 569,633, Jan. 20; Serial No. 633,316.

Watches, watch cases, and watch movements. The Gruen Watch Company. 569,501, Jan. 20; Serial No. 623,462, published Nov. 4, 1952.

Watches, Wrist, pocket watches, watch cases, etc. J. Kalberman Company. 569,526, Jan. 20; Serial No. 625,905, published Nov. 4, 1952.

CLASS 28

Bracelets. D. Hammond. 569,505, Jan. 20; Serial No. 623,885, published Nov. 4, 1952.

Pearl necklaces. Joseph H. Meyer Bros. 569,518, Jan. 20; Serial No. 624,891, published Nov. 4, 1952.

Rings, Men's and women's diamond, and women's diamond earrings. Brents Jewelers. 569,463, Jan. 20; Serial No. 617,277, published Nov. 4, 1952.

Sterling silver and sterling silver mounted silverware and table cutlery. Towle Manufacturing Company. 569,594, Jan. 20; Serial No. 630,240, published Nov. 4, 1952.

Wrist-bands for wrist watches. Drama Manufacturing Company, Inc. 569,625, Jan. 20; Serial No. 608,838.

CLASS 29

Cleaning, wiping, and polishing cloths. Downing Trading Corporation. 509,620, Jan. 20; Serial No. 600,125.
Mops, floor. The A. S. Harrison Company. 569,305, Jan. 20; Serial No. 596,421, published Oct. 7, 1952.
Non-woven cloth-like sheet material in the nature of chamols. Mira-Sham Corporation. 569,465, Jan. 20; Serial No. 617,411, published Oct. 21, 1952.
Paint application roller. Star Brush Manufacturing Co., Inc. 569,466, Jan. 20; Serial No. 617,590, published Oct. 28, 1952.
Toothbrushes. I. Sekine Company, Inc. 569,535, Jan. 20; Serial No. 626,709, published Oct. 28, 1952.

CLASS 30

Serving trays. Rubel & Company Decorative Accessories, Inc. 569,477, Jan. 20; Serial No. 619,2d2, published Sept. 30, 1952.

CLASS 32

Bed frames; bed head boards; Hollywood bed frames, etc. The Harvard Manufacturing Company. 569,401, Jan. 20; Serial No. 600,008, published Oct. 28, 1952.
Bedroom dressers, night stands, chests, etc. The Sikes Company, Inc. 569,445, Jan. 20; Serial No. 615,138, published Oct. 28, 1952.
Blinds for windows. Bamboo roll-up. Trade Wind Importing Co. 569,510, Jan. 20; Serial No. 624,166, published Oct. 28, 1952.
Book cases, book shelves, chests, etc. Salmanson & Co., Inc. 569,528, Jan. 20; Serial No. 626,054, published Oct. 28, 1952.
Couches, studio, studio beds, sofa beds, etc. The Englander Company, Inc. 569,541, Jan. 20; Serial No. 626,937, published Oct. 28, 1952.
Display benches, cabinets, display counters, etc. Natkin & Company. 569,469, Jan. 20; Serial No. 617,766, published Oct. 28, 1952.
Furniture, bowling alley. The Brunswick-Balke-Collender Company. 398,793, Nov. 24, 1942. Republished Jan. 20.
Furniture, infants' disassembled, and step ladder for infants. The Toldey Company, Gertrude A. Moller, Inc. 569,509, Jan. 20; Serial No. 623,934, published Oct. 28, 1952.
Furniture, office. Societe d'Etudes et de Fabrications d'Articles Modernes d'Organisation (S. E. F. A. M. O.). 569,473, Jan. 20; Serial No. 618,764, published Oct. 28, 1952.
Mattresses. Belpse Sleep Products Inc. 569,525, Jan. 20; Serial No. 625,894, published Oct. 28, 1952.
Pillows. Comfort Pillow & Feather Company. 569,470, Jan. 20; Serial No. 617,836, published Oct. 28, 1952.
Supports adapted to be applied to beds and the like. A. M. Fowkes. 569,530, Jan. 20; Serial No. 626,237, published Oct. 28, 1952.
Table tops, cabinet tops and counter tops. C. A. Schofield. 569,522, Jan. 20; Serial No. 626,370, published Oct. 28, 1952.
Tables and chairs, etc. Dining and dinette. Meler & Pohlmann Furniture Company. 569,620, Jan. 20; Serial No. 625,115, published Oct. 28, 1952.
Tables, folding, folding chairs, folding utility shelves. P. B. R. Manufacturing Co. 569,472, Jan. 20; Serial No. 618,660, published Oct. 28, 1952.

CLASS 33

Cut glass tableware. W. J. Hughes & Sons "Corn Flower" Limited. 569,524, Jan. 20; Serial No. 625,673, published Nov. 4, 1952.
Glass, flat, plate glass, sheet glass, etc. Aktiebolaget Orrefors Glasbruk. 569,517, Jan. 20; Serial No. 624,802, published Oct. 28, 1952.
Glass tumblers. Tumbler Ads. 569,624, Jan. 20; Serial No. 607,728.

CLASS 35

Beltting. New Holland Machine Company. 569,377, Jan. 20; Serial No. 583,545, published Oct. 28, 1952.

CLASS 36

Grooved phonograph records. Decca Records, Inc. 569,414, Jan. 20; Serial No. 605,252, published Oct. 28, 1952.
Phonograph styluses. Electric & Musical Industries Limited. 569,348, Jan. 20; Serial No. 624,964, published Oct. 28, 1952.
Sound boards for pianos. W. W. Kimball. 569,408, Jan. 20; Serial No. 603,066, published Oct. 28, 1952.

CLASS 37

Coin wrappers, tubular. The C. L. Downey Company. 569,400, Jan. 20; Serial No. 599,933, published Oct. 14, 1952.
Hinge device for use in loose leaf binders. C. B. Gilmore. 569,366, Jan. 20; Serial No. 592,563, published Oct. 14, 1952.
Materials used in lithographic and planographic printing. A. B. Dick Company. 569,415, Jan. 20; Serial No. 605,540, published Oct. 14, 1952.
Paper, toilet. The Seminole Paper Corporation. 302,032, renewed Mar. 21, 1953. O. G. Jan. 20.
Papers, gummed. Mid-States Gummed Paper Co. 569,608, Jan. 20; Serial No. 544,640.

Partially printed forms. The Egly Register Company. 569,398, Jan. 20; Serial No. 598,991, published Oct. 14, 1952.
Pens, fountain, and pencils. Alfira Manufacturing Corporation. 569,357, Jan. 20; Serial No. 558,767, published Oct. 14, 1952.

CLASS 38

Booklet, Monthly. Columbia Records Inc. 569,576, Jan. 20; Serial No. 628,469, published Oct. 28, 1952.
Books. Book Club Associates, Inc. 569,566, Jan. 20; Serial No. 627,791, published Oct. 28, 1952.
Decalcomania signs, printed creeds, manuals, etc. Grand Aerle Fraternal Order of Eagles. 569,419, Jan. 20; Serial No. 607,990, published Oct. 28, 1952.
Department in a periodical publication. The Parents' Institute, Inc. 569,537, Jan. 20; Serial No. 626,820, published Oct. 28, 1952.
Department or section of a periodical publication. Weekly Publications, Inc. 569,567, Jan. 20; Serial No. 627,992, published Oct. 28, 1952.

House organ, trade circulars and related publications. Chemicals manufacturer's. Allied Chemical & Dye Corporation. 569,371, Jan. 20; Serial No. 578,248, published Oct. 28, 1952.

House organs. Commercial Printing & Letter Service Co. 569,429, Jan. 20; Serial No. 610,509, published Oct. 28, 1952.

Magazine. The Parents' Institute, Inc. 569,538, Jan. 20; Serial No. 626,821, published Oct. 28, 1952.
Magazine. Union Carbide and Carbon Corporation. 569,423, Jan. 20; Serial No. 609,264, published June 24, 1952.

Magazine. Ziff-Davis Publishing Company. 569,573, Jan. 20; Serial No. 628,317, published Oct. 28, 1952.
Magazine, Weekly. National Recreation Association, Inc. 569,409, Jan. 20; Serial No. 603,540, published Oct. 28, 1952.

Magazine, Weekly trade. Vance, Sanders & Company. 569,444, Jan. 20; Serial No. 614,858, published Oct. 28, 1952.

Newspaper column. United Feature Syndicate, Inc. 569,509, Jan. 20; Serial No. 624,093, published Oct. 28, 1952.

Periodical. The Great Books Foundation. 569,540, Jan. 20; Serial No. 628,875, published Oct. 28, 1952.
Periodical, Weekly. Cue Publishing Co., Inc. 569,577, Jan. 20; Serial No. 628,474, published Oct. 28, 1952.

Photo prints. Paramount-Florida Photo Service, Inc. 569,571, Jan. 20; Serial No. 628,165, published Oct. 28, 1952.

Printed news messages, printed news dispatches and newspapers. International News Service, Inc. 301,867, renewed Mar. 21, 1953. O. G. Jan. 20.

Publication. Simmons Tours, Inc. 301,254, renewed Feb. 21, 1953. O. G. Jan. 20.

Publication, Monthly. W. E. Orkin. 569,461, Jan. 20; Serial No. 617,207, published Oct. 28, 1952.

Publication, Periodical. Electrical Information Publications, Inc. 569,484, Jan. 20; Serial No. 621,203, published Oct. 28, 1952.

Publication, Periodical. National Comics Publications, Inc. 569,460, Jan. 20; Serial No. 617,094, published Oct. 28, 1952.

Publication, Periodical. Topics Publishing Company, Inc. 301,863, renewed Mar. 21, 1953. O. G. Jan. 20.

Publication, Printed. Nat. Gavender, Incorporated. 569,381, Jan. 20; Serial No. 584,917, published Oct. 28, 1952.

Publications, Printed. Koppers Company, Inc. 569,529, Jan. 20; Serial No. 626,087, published Oct. 28, 1952.

Series of pamphlets. Onelda Ltd. 569,402, Jan. 20; Serial No. 600,735, published Oct. 28, 1952.

CLASS 39

Coats, vests, trousers, and overcoats. Men's and young men's. Simon Ackerman Clothes, Inc. 297,250, renewed Sept. 6, 1952. O. G. Jan. 20.

Collars and cuffs. Cluett, Peabody & Co. 90,793, renewed Mar. 25, 1953. O. G. Jan. 20.

Corsets, brassieres, and combinations thereof. Snug-Fit Brassiere Co. 298,636, renewed Aug. 16, 1952. O. G. Jan. 20.

Dresses, aprons, and pajamas, etc. Ladies', misses', children's, and infants'. Ely & Walker Dry Goods Company. 301,566, renewed Mar. 7, 1953. O. G. Jan. 20.

Girdles, corsets, combination corset and brassiere. Associated Apparel Industries, Inc. 301,213, renewed Feb. 21, 1953. O. G. Jan. 20.

Gloves. Julius Kayser & Co. 569,527, Jan. 20; Serial No. 625,907, published Oct. 21, 1952.

Hosiery. Harrington & Waring. 301,349, renewed Feb. 28, 1953. O. G. Jan. 20.

Hosiery. Harrington & Waring. 302,185, renewed Apr. 4, 1953. O. G. Jan. 20.

Undergarments, Ladies', women's, and misses'. Divine-form Brassiere Co., Inc. 569,543, Jan. 20; Serial No. 627,050, published Oct. 21, 1952.

CLASS 40

Garment-fasteners. Walde & Co. 90,490, re-renewed Feb. 25, 1953. O. G. Jan. 20.

CLASS 42

Fabrics in the piece. Textile. Sandeas Manufacturing Co. 569,583, Jan. 20; Serial No. 628,879, published Oct. 28, 1952.
Linens, Decorative. A. A. Katz. 569,561, Jan. 20; Serial No. 627,579, published Oct. 28, 1952.
Muslin, Bleached. The Ferguson McKinney Dry Goods Co. 60,425, re-renewed Feb. 23, 1953. O. G. Jan. 20.
Piece goods. United Merchants and Manufacturers, Inc. 569,595, Jan. 20; Serial No. 631,228, published Oct. 28, 1952.
Piece goods and blankets. Troy Blanket Mills. 299,668, Dec. 13, 1932. Republished Jan. 20.
Piece goods. Woolen. Forstmann Woolen Co. 569,578, Jan. 20; Serial No. 628,750, published Oct. 28, 1952.
Piece goods. Woolen. Forstmann Woolen Co. 569,582, Jan. 20; Serial No. 628,854, published Oct. 28, 1952.
Piece goods. Woolen. Miron Mills, Incorporated. 569,593, Jan. 20; Serial No. 630,197, published Sept. 30, 1952.
Plastic film. Main Street Fashions, Inc. 569,565, Jan. 20; Serial No. 627,758, published Oct. 28, 1952.

CLASS 43

Yarns, Rayon. American Enka Corporation. 303,417, renewed May 23, 1953. O. G. Jan. 20.

CLASS 44

Polarimeters for use in dental, medical, and surgical studies, colposcopes, etc. Kern & Co. Ltd. 569,616, Jan. 20; Serial No. 596,731.
Shade designed to hold eye pads. H. L. Schmieler. 569,497, Jan. 20; Serial No. 622,959, published Oct. 28, 1952.
Surgical and medical instruments, manicure instruments, and dental instruments. Misdorn-Frank Corporation. 569,370, Jan. 20; Serial No. 576,546, published May 29, 1951.

CLASS 45

Grape juice. Growers' Cooperative Grape Juice Company, Inc. 296,838, Aug. 23, 1932. Republished Jan. 20.

CLASS 46

Baking powder. Jacques Manufacturing Company. 297,070, renewed Aug. 30, 1952. O. G. Jan. 20.
Beans, dried navy, uncooked rice, shelled nuts, etc. Budget Pack, Inc. 569,394, Jan. 20; Serial No. 596,072, published Oct. 28, 1952.
Bread, biscuits, and crackers. Roman Meal Company. 569,544, Jan. 20; Serial No. 627,088, published Oct. 28, 1952.
Bread, biscuits, cookies, and crackers. Roman Meal Company. 569,545, Jan. 20; Serial No. 627,089, published Oct. 28, 1952.
Breakfast cereals, and bread. Roman Meal Company. 569,365, Jan. 20; Serial No. 568,669, published July 22, 1952.
Cake frosting. 6-O'Clock Foods, Inc. 569,610, Jan. 20; Serial No. 568,665.
Cakes, pies, cookies, and French pastries. Clement's Pastry Shop. 569,396, Jan. 20; Serial No. 596,481, published Oct. 21, 1952.
Candles. O. Y. Karl Fraser A. B. 569,391, Jan. 20; Serial No. 594,860, published Nov. 4, 1952.
Candles. Sanborn Hermanos, S. A. 569,352, Jan. 20; Serial No. 551,477, published Oct. 28, 1952.
Candles. Wallace & Co. 569,609, Jan. 20; Serial No. 552,619.
Candy. Hawley & Hoops. 444,747, Jan. 20; Serial No. 510,318, published July 8, 1947.
Candy. James Candy Company. 569,410, Jan. 20; Serial No. 604,009, published Nov. 4, 1952.
Canned condensed milk and canned milk in powder form. Fabrique Suisse des Produits au Lait Gulgox S. A. 569,424, Jan. 20; Serial No. 609,289, published Oct. 21, 1952.
Canned foods. Empacadora de Productos Alimenticios La Fortaleza S. A. de C. V. 569,432, Jan. 20; Serial No. 611,933, published Oct. 28, 1952.
Canned fruits and vegetables, frozen fruits and vegetables, canned fish, etc. Parrott & Co. 569,476, Jan. 20; Serial No. 619,213, published Oct. 28, 1952.
Canned goods. The Dannemiller Grocery Company. 291,243, renewed Feb. 2, 1952. O. G. Jan. 20.
Canned or bottled delirious and citrus fruit juices, canned and preserved fruits, etc. Mynor Pty. Ltd. 569,413, Jan. 20; Serial No. 604,558, published Oct. 28, 1952.
Canned pickles and canned fruits and vegetables. Consolidated Grocers Corporation. 569,403, Jan. 20; Serial No. 600,767, published Oct. 21, 1952.
Canned tomato juice. The Naas Corporation of Indiana. 569,301, Jan. 20; Serial No. 562,366, published Nov. 4, 1952.
Canned tomato paste. Hickmott Canning Co. 569,411, Jan. 20; Serial No. 604,202, published Aug. 12, 1952.
Canned vegetables. D. E. Foote & Co., Incorporated. 569,558, Jan. 20; Serial No. 627,566, published Oct. 28, 1952.
Canned vegetables. D. E. Foote & Co., Incorporated. 569,559-60, Jan. 20; Serial Nos. 627,568-9, published Oct. 28, 1952.

Canned vegetables, fruits, fruit juice, etc. Wellman-Peck & Co. 569,351, Jan. 20; Serial No. 544,013, published Feb. 12, 1952.
Cheese. F. G. Baker. 569,382, Jan. 20; Serial No. 584,749, published Nov. 4, 1952.

Cheese. Lekas & Drivas, Inc. 569,534, Jan. 20; Serial No. 626,515, published Oct. 28, 1952.

Chewing gum. Fan Tan Gum Corporation. 569,464, Jan. 20; Serial No. 617,993, published Oct. 28, 1952.

Chocolate-flavored pudding, low-calorie. Charles Killgore Company, Inc. 569,591, Jan. 20; Serial No. 629,245, published Oct. 28, 1952.

Chocolate, Prepared edible. Suchard Holding Societe Anonyme. 569,481, Jan. 20; Serial No. 620,054, published Nov. 4, 1952.

Cocktail sauce. Sus Ann Food Products Corporation. 569,456, Jan. 20; Serial No. 616,343, published Oct. 28, 1952.

Coffee. Scandinavian Coffee Corp. 569,339, Jan. 20; Serial No. 626,828, published Oct. 28, 1952.

Coffee. Southland Coffee Company. 569,563, Jan. 20; Serial No. 627,605, published Oct. 28, 1952.

Coffee. Thomas J. Webb Company. 569,375, Jan. 20; Serial No. 582,810, published Oct. 21, 1952.

Confections, Frozen. Eskimo Pie Corporation. 300,055, renewed Jan. 3, 1953. O. G. Jan. 20.

Cookies, fig bars, wafers, etc. Royal Guest Foods, Inc. 569,425, Jan. 20; Serial No. 609,318, published Nov. 4, 1952.

Corn kernels, Toasted. A. F. Holloway. 569,389, Jan. 20; Serial No. 593,412, published Nov. 4, 1952.

Corn meal and hominy grits. The Russell Company. 569,360, Jan. 20; Serial No. 561,862, published Nov. 4, 1952.

Feed, Pig and hog feed. Dixie Mills Company. 298,970, Aug. 30, 1932. Republished Jan. 20.

Feeds, Dairy. Dixie Mills Company. 296,977, Aug. 30, 1932. Republished Jan. 20.

Fish, Fresh, frozen fish, cooked fish, etc. H. O. Caddell. 569,459, Jan. 20; Serial No. 616,695, published Oct. 28, 1952.

Fish, Fresh, frozen, salted, smoked, and dried. J. W. Nicholls Co. Ltd. 569,519, Jan. 20; Serial No. 624,895, published Nov. 4, 1952.

Fish, Frozen. Gorton-Pew Fisheries Company, Ltd. 569,443, Jan. 20; Serial No. 614,829, published Nov. 4, 1952.

Fish, Salt, and frozen fish. Gorton-Pew Fisheries Company, Ltd. 569,442, Jan. 20; Serial No. 614,828, published Nov. 4, 1952.

Flour, Wheat. Colorado Milling & Elevator Co. 569,353, Jan. 20; Serial No. 532,125, published Nov. 4, 1952.

Flour, Wheat. Lone Star Elevators. 569,358, Jan. 20; Serial No. 561,011, published Oct. 28, 1952.

Fruit. Koolouris & Casaretto Co. 569,430, Jan. 20; Serial No. 610,852, published Oct. 28, 1952.

Fruit preserves, jelly, and pickle relish. Bagwell Preserving Company, Inc. 569,502, Jan. 20; Serial No. 623,640, published Nov. 4, 1952.

Fruits, Fresh citrus. Highland Orange Association. 302,050, renewed Mar. 28, 1953. O. G. Jan. 20.

Gelatine dessert. Red & White Corporation. 302,232, renewed Apr. 4, 1953. O. G. Jan. 20.

Grapes, plums, cherries, etc. Fresh. Anthony A. Blanco, Inc. 569,498, Jan. 20; Serial No. 619,289, published Nov. 4, 1952.

Ice cream and frozen confections. Coffee County Creamery Inc. 569,422, Jan. 20; Serial No. 609,160, published Oct. 28, 1952.

Ice cream cones and cups, Edible. Dixie Cone Manufacturing Company. 569,418, Jan. 20; Serial No. 607,741, published Oct. 21, 1952.

Jams and jellies, Fruit. Alice Love Products Co. 569,590, Jan. 20; Serial No. 629,209, published Oct. 28, 1952.

Lard. Armour and Company. 569,547, Jan. 20; Serial No. 627,241, published Oct. 28, 1952.

Liquid preparation of papaya juice. The Griffith Laboratories, Inc. 569,437, Jan. 20; Serial No. 612,984, published Oct. 28, 1952.

Meat tenderizer. Adolph's Food Products. 569,388, Jan. 20; Serial No. 593,097, published Nov. 4, 1952.

Molasses. Boston Molasses Co. 87,036, June 25, 1912. Republished Jan. 20.

Molasses. Boston Molasses Co. 87,599, July 30, 1912. Republished Jan. 20.

Oleomargarine and butter. Bursley & Company, Inc. 569,631, Jan. 20; Serial No. 624,728.

Peas, Fresh. San Diego Fruit & Produce Company. 569,496, Jan. 20; Serial No. 622,623, published Nov. 4, 1952.

Pickles, candied dill strips, sweet relish, etc. Brown-Miller Co. 569,592, Jan. 20; Serial No. 629,930, published Nov. 4, 1952.

Pop corn, Raw. Robert L. Berner Company. 569,428, Jan. 20; Serial No. 610,161, published Oct. 21, 1952.

Potato chips, pretzels and pretzel sticks. L. F. Schreiman. 569,364, Jan. 20; Serial No. 568,329, published Oct. 28, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Poultry, Dressed, and live ducks. M. R. Maurer. 296,767, renewed Aug. 23, 1932. O. G. Jan. 20.
Preparations comprised of salmon egg meal, dehydrated liver, etc. Illoproducts Oreg. Ltd. 569,346, Jan. 20; Serial No. 510,796, published Oct. 21, 1932.
Salad dressings. Girard's, Inc. 569,548, Jan. 20; Serial No. 627,200, published Oct. 28, 1932.
Soybean oil meal. The Borden Company. 569,302, Jan. 20; Serial No. 504,187, published Oct. 21, 1932.
Spaghetti sauce. Prince Macaroni Manufacturing Company. 569,468, Jan. 20; Serial No. 617,678, published Sept. 23, 1932.
Syrup, Table. The Hubinger Company. 569,458, Jan. 20; Serial No. 616,669, published Nov. 4, 1932.
Syrup, Table. Southeastern Syrup Company. 569,536, Jan. 20; Serial No. 626,737, published Oct. 28, 1932.
Table-syrup. Stromeyer & Metzler. 46,054, Sept. 5, 1903. New certificate. O. G. Jan. 20.
Table-syrups. J. Stromeyer. 130,205, Oct. 26, 1920. New certificate. O. G. Jan. 20.
Tea. Joseph Terley & Co. Inc. 302,228, renewed Apr. 4, 1933. O. G. Jan. 20.
Tea and vinegar. The Pearl Coffee Company. 569,407, Jan. 20; Serial No. 602,854, published May 20, 1932.
Vegetables, Fresh. R. D. Saunders. 569,523, Jan. 20; Serial No. 625,545, published Oct. 28, 1932.
Vegetables, Fresh frozen. California & Washington Co. 569,495, Jan. 20; Serial No. 622,527, published Nov. 4, 1932.
Vinegar, Wine. Eliena Brothers. 569,385, Jan. 20; Serial No. 592,363, published Oct. 28, 1932.
Whipped cream mixture. National Dairy Products Corporation. 569,471, Jan. 20; Serial No. 617,998, published June 24, 1932.

CLASS 47

Wines. Roma Wine Company. 441,555, Dec. 7, 1948. Republished Jan. 20.

CLASS 49

Whiskey. Hiram Walker & Sons Inc. 340,222, May 18, 1937. Republished Jan. 20.
Whisky. The Glenfyne Distillery Company Limited. 302,142, renewed Mar. 28, 1933. O. G. Jan. 20.
Whisky, Scotch. John Dewar & Sons Limited. 299,332, renewed Dec. 6, 1932. O. G. Jan. 20.

CLASS 50

Bottle closures. Standard Cap and Seal Corporation. 569,453, Jan. 20; Serial No. 616,251, published Sept. 16, 1932.
Cold frames and hot beds for plants and flowers. Old Copper Mine Farms Inc. 569,556, Jan. 20; Serial No. 627,458, published Oct. 28, 1932.
Display signs. Glass. Beeco, Inc. 569,474, Jan. 20; Serial No. 618,951, published Oct. 21, 1932.
Fly swatters. U. S. Manufacturing Corporation. 569,531, Jan. 20; Serial No. 626,274, published Oct. 21, 1932.
Pallets, platforms and skids. Associated Box Corporation. 569,427, Jan. 20; Serial No. 610,160, published Oct. 21, 1932.
Reticular metallic base. Arvey Corporation. 569,516, Jan. 20; Serial No. 624,672, published Oct. 21, 1932.
Simulated leather or plastic material. Royal Metal Manufacturing Company. 569,404, Jan. 20; Serial No. 600,788, published Jan. 29, 1932.
Stoppers for vacuum and other bottles. Moeller Mfg. Co., Inc. 569,507, Jan. 20; Serial No. 623,976, published Oct. 7, 1932.

CLASS 51

Cleansing cream, massage cream, bleach cream, etc. Antoine de Paris, Inc. 301,503, renewed Mar. 7, 1933. O. G. Jan. 20.
Eau de cologne. J. & E. Atkinson Limited. 569,387, Jan. 20; Serial No. 592,596, published Nov. 4, 1932.
Face-powders. J. V. Daniels. 87,859, re-renewed Aug. 13, 1932. O. G. Jan. 20.
Ointment or cream for the complexion. J. V. Daniels. 89,231, re-renewed Dec. 3, 1932. O. G. Jan. 20.
Preparations for the hair. F. Parker. 39,517, Dec. 23, 1902. Republished Jan. 20.
Preparations to be applied to the hair and scalp to stimulate hair growth and condition the scalp. A. R. Smith. 569,405, Jan. 20; Serial No. 600,790, published Oct. 28, 1932.
Toilet water, tooth-powder, tooth-wash, etc. The Owl Drug Company. 87,560, re-renewed July 23, 1932. O. G. Jan. 20.
Toothpaste. H. E. Montero. 298,249, renewed Oct. 18, 1932. O. G. Jan. 20.

CLASS 52

Cleaner. All-purpose. Utility Chemical Company. 569,628, Jan. 20; Serial No. 611,731.

Cleaner, Typewriter type. Bud Type Cleaner, Inc. 569,618, Jan. 20; Serial No. 598,072.
Cleaner, Venetian blind. Sears, Roebuck and Co. 569,439, Jan. 20; Serial No. 613,735, published Oct. 28, 1932.
Composition for cleaning and restoring the color of white sidewall tires. The Simons Company. 569,412, Jan. 20; Serial No. 604,276, published Oct. 21, 1932.
Detergent cleaning compound. Finger Lakes Chemical Company, Inc. 569,546, Jan. 20; Serial No. 627,124, published Oct. 28, 1932.
Detergent shampoo, lanolin cream shampoo, etc. Gold Medal Hair Products Inc. 569,570, Jan. 20; Serial No. 628,153, published Oct. 28, 1932.
Detergent, Sudsing. Soap Specialties, Inc. 569,584, Jan. 20; Serial No. 628,966, published Oct. 28, 1932.
Detergents. M. A. Gurrlich. 569,579, Jan. 20; Serial No. 628,760, published Oct. 28, 1932.
Detergents and/or soaps. Los Angeles Soap Company. 569,580, Jan. 20; Serial No. 628,769, published Oct. 28, 1932.
Preparation for cleaning the hands. B. Lay. 569,586, Jan. 20; Serial No. 629,029, published Oct. 28, 1932.
Shampoo preparation. La Playa Products, Inc. 569,566, Jan. 20; Serial No. 570,932, published Oct. 21, 1932.
Shampoo preparation. Show Dog Products. 569,512, Jan. 20; Serial No. 624,308, published Oct. 28, 1932.
Soap. Ferd. Mulhens Inc. 569,500, Jan. 20; Serial No. 623,360, published Oct. 28, 1932.
Soap flakes in packages and soap in bars. J. Hanser, Jr. 569,551, Jan. 20; Serial No. 627,389, published Oct. 28, 1932.
Soap, Liquid. West Disinfecting Company. 569,521, Jan. 20; Serial No. 625,169, published Oct. 28, 1932.
Sodium hypochlorite solution for use in washing clothes, etc. Gardiner Manufacturing Company, Inc. 569,494, Jan. 20; Serial No. 622,535, published Oct. 28, 1932.
Synthetic and natural aromatic chemicals and essential oils. Firmenich Incorporated. 569,441, Jan. 20; Serial No. 614,694, published Oct. 28, 1932.
Water softening agents. Bersworth Chemical Company. 569,513, Jan. 20; Serial No. 624,386, published Oct. 14, 1932.

CLASS 101

Advertising food products, kitchen necessities, and cooking equipment. Northwest Publications, Inc. 569,599, Jan. 20; Serial No. 591,696, published Oct. 28, 1932.

CLASS 103

Electrical installation contracting service, etc. Alber Electric Co., Inc. 569,606, Jan. 20; Serial No. 628,183, published Oct. 28, 1932.
Inspection, maintenance, and repair service. The Hobart Manufacturing Company. 569,600, Jan. 20; Serial No. 617,083, published Oct. 28, 1932.
Rental, maintenance and repair of compressed gas producing and handling apparatus, etc. National Cylinder Gas Company. 569,597, Jan. 20; Serial No. 548,386, published Oct. 28, 1932.

CLASS 104

Radio program broadcasting. Booth Radio & Television Stations, Inc. 569,604, Jan. 20; Serial No. 627,798, published Oct. 28, 1932.
Radio program broadcasting. Booth Radio & Television Stations, Inc. 569,605, Jan. 20; Serial No. 627,801, published Oct. 28, 1932.
Radio program broadcasting services. WJW, Inc. 569,607, Jan. 20; Serial No. 628,883, published Oct. 28, 1932.

CLASS 105

Delivering automotive vehicles. Fugate & Girton Drive-away Co., Inc. 569,601, Jan. 20; Serial No. 623,956, published Oct. 28, 1932.
Travel services. W. C. Rushmore. 569,598, Jan. 20; Serial No. 584,419, published Oct. 28, 1932.

CLASS 106

Glazing and restoring the luster to furs. Silliconised Fur Processing Co. 569,635, Jan. 20; Serial No. 620,369.
Manufacture to individual specifications of glassed and screened storm windows and doors, etc. Eastern States Storm Window, Inc. 569,634, Jan. 20; Serial No. 617,018.
Prescription service. The White-Haines Optical Company. 569,602, Jan. 20; Serial No. 625,033, published Oct. 28, 1932.
Services rendered manufacturers of all types of cotton fabrics. Bradford Dyeing Association (U. S. A.). 569,603, Jan. 20; Serial No. 625,888, published Oct. 28, 1932.

LIST OF DESIGN PATENTEEES

Adler, Samuel E., Chicago, Ill. Television cabinet. 168,643, Jan. 20.
Avco Manufacturing Corporation, assignee: See—
Fox, William F.
Banowetz, Michael W., Sr., assignor to The Master Trol Company, Kenner, La. Fish and game cleaning knife. 168,644, Jan. 20.
Bell Telephone Laboratories, Incorporated, assignee: See—
Treptow, Frederick W.
Davis, John E., Sherman Oaks, Calif., assignor to Revere Camera Company, Chicago, Ill. Stereoscopic viewer. 168,645, Jan. 20.
Diamond Match Company, The, assignee: See—
Van Dyke, Arthur W.
Du Kane Corporation, assignee: See—
Whyte, Ruth L.
Erickson, Celeste M., Chicago, Ill. Spool holder. 168,646, Jan. 20.
Fox, William F., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinet for a radio receiver. 168,647, Jan. 20.
Glencott, Frances, New York, N. Y. Combined hat and puppet. 168,648, Jan. 20.
Gundelinger, William E., House Springs, Mo. Combined can and bottle opener. 168,649, Jan. 20.
Gyrodyne Company of America, Inc., assignee: See—
Papadakos, Peter J.
Livingston, Werner: See—
Smith, David C., and Livingston.
Master Trol Company, The, assignee: See—
Banowetz, Michael W., Sr.
McKee, Robert K., Los Angeles, Calif. Animal crate. 168,650, Jan. 20.
Millway Knitting Mill, Inc., assignee: See—
Tait, George C.
Moran, Michael J., Detroit, Mich. Lawn sprinkler. 168,651, Jan. 20.
Papadakos, Peter J., Brooklyn, assignor to Gyrodyne Company of America, Inc., New York, N. Y. Rotary wing aircraft. 168,652, Jan. 20.
Peters, Leo, Evanston, Ill. Molded food product. 168,653, Jan. 20.
Peters & Russell, Inc., assignee: See—
Russell, Linus E.
Pretzer, Bert C., St. Clair Shores, Mich. Lighting fixture. 168,654, Jan. 20.
Revere Camera Company, assignee: See—
Davis, John E.
Ritter, Saul, New York, N. Y. Expandable chain. 168,655, Jan. 20.
Rubin, Ben, Chicago, Ill. Combination lamp, clock, and plant holder. 168,656, Jan. 20.
Rubin, Ben, Chicago, Ill. Combination lamp, clock, and desk plant holder. 168,657, Jan. 20.
Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Pump handle. 168,658, Jan. 20.
Silverman, Rudolph J., Highland Park, Ill. Combined desk and seat unit. 168,659, Jan. 20.
Smith, Charles E., Reading, Pa. Grass shears or similar article. 168,660, Jan. 20.
Smith, David C., and W. Livingston, Denver, Colo. Fountain cabinet unit. 168,661, Jan. 20.
Tait, George C., Wyomissing, assignor to Millway Knitting Mill, Inc., Millway, Pa. Stocking. 168,662, Jan. 20.
Treptow, Frederick W., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switchboard. 168,663, Jan. 20.
Van Dyke, Arthur W., Wantagh, assignor to The Diamond Match Company, New York, N. Y. Compartmented box. 168,664, Jan. 20.
Whyte, Ruth L., Chesterton, Ind., assignor to Du Kane Corporation, St. Charles, Ill. Microphone. 168,665, Jan. 20.
Whyte, Ruth L., Chesterton, Ind., assignor to Du Kane Corporation, St. Charles, Ill. Recorder cabinet for electric dictating machine. 168,666, Jan. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Samuel L., Wilton, N. H. Slub catcher. 2,625,732, Jan. 20.
Acker, Carl N., Midland, Tex. Mortar veneer template. 2,625,747, Jan. 20.
Adair, James E., Chicago, Ill. Printed transfer and using same. 2,626,226, Jan. 20.
Adams, Clark E.: See—
Voorbles, Alexis, Jr., and Adams.
Adler, Edward, New York, and A. Chiesa, Flushing, assignors to Etched Products Corporation, Long Island City, N. Y. Making circuit panels. 2,626,208, Jan. 20.
Aguia, George, Santa Monica, Calif., assignor to Arma Corporation, Brooklyn, N. Y. Erecting device for gyroscopes. 2,625,825, Jan. 20.
Aircraft-Marine Products, Inc., assignee: See—
Macy, James C.
Alderson, Ross C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic steering mechanism. 2,626,114, Jan. 20.
Aldridge, Luther W., assignor to Wright Machinery Company, Durham, N. C. Automatic weighing machine and feed control means therefor. 2,626,042, Jan. 20.
Allied Chemical & Dye Corporation, assignee: See—
Fessler, William A.
Joris, George O.
Allis-Chalmers Manufacturing Company, assignee: See—
Buhr, August G.
Forrest, Frank R.
Shepherd, Dean, and Welch.
Allman-Ward, Frederick H., assignor to Davey, Paxman and Company Limited, Colchester, England. Rotary drum suction filter. 2,626,058, Jan. 20.
Allred Bros., assignee: See—
Allred, Reed M.
Allred, Reed M., assignor to Allred Bros., Stockton, Calif. Asparagus fern cutter. 2,625,782, Jan. 20.
Alaska Clothing Company, Inc., assignee: See—
Kantman, Alfred S.
Alvarez, Luis W., Berkeley, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse discriminating circuit. 2,626,352, Jan. 20.
American Brake Shoe Company, assignee: See—
Brown, Lindsay H.
Dalrymple, William P.
American Cyanamid Company, assignee: See—
Petrooulos, John C., and Cadwell.
Wysotsky, Vernon F., and Thurston.
American Optical Company, assignee: See—
Muller, Robert M.
American Steel Foundries, assignee: See—
Kayler, Frank H.
Anaconda Copper Mining Company, assignee: See—
Eide, Ole J., Johnson, and Milkwick.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Liquid-gas separator. 2,626,008, Jan. 20.
Anderson, Richard E., assignor, by mesne assignments, to F. H. Reeves, Portland, Ore. Variable stroke multi-piston pump. 2,625,887, Jan. 20.
Anderson, Roy H., Bellevue, assignor to Boeing Airplane Company, Seattle, Wash. Shaft coupling mechanism. 2,626,027, Jan. 20.
Antle, John T., Jr., Louisville, Ky., assignor of one-half to V. Devinney, Washington, D. C. Hydraulic drive for motor vehicles. 2,626,001, Jan. 20.
Appleman, Leon H., Waco, Tex., assignor to Mason, Kolehmainen, Rathburn & Wyas, Chicago, Ill. Signal-operated variable-gain amplifying system. 2,626,322, Jan. 20.
Arma Corporation, assignee: See—
Aguia, George.
Armour and Company, assignee: See—
Hammerberg, Chester A.
Armstrong Cork Company, assignee: See—
Eaby, Le Roy.
Lockwood, Louis H.
Miller, George R., Jr., and Weidner.
Schatner, Edward O.
Army, United States of America as represented by the Secretary of the assignee: See—
Frazier, Quentin.
Hayward, Roger.
Rabinow, Jacob.
Arnio, George E., Oneonta, N. Y. Foot and hand brake for farm tractors. 2,626,022, Jan. 20.

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LIST OF PATENTEES

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Barry, Arthur J., Midland, L. De Pree, Holland, and D. E. Hook, assignors to The Dow Chemical Company, Midland, Mich. Synthesis of aliphatic silanes. 2,626,268, Jan. 20.
Bassett, Robert T., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc quenching device for electric contactors. 2,626,331, Jan. 20.
Bassett, W. E., Company, The, assignee: See—
Bassett, William E.
Bassett, William E., Woodbridge, assignor to The W. E. Bassett Company, Derby, Conn. Bendable prong paper fastening clip. 2,625,723, Jan. 20.
Baston, Cyril E., Glenahaw, and H. M. Futral, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Master controller. 2,626,326, Jan. 20.
Baston, Cyril E., Glenahaw, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive regeneration control. 2,626,374, Jan. 20.
Baudry, René A., and G. E. Peterson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil-pot for vertical-shaft machines. 2,626,192, Jan. 20.
Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator cooling. 2,626,365, Jan. 20.
Baumgartner, John R., Milwaukee, Wis. Roller adjusting mechanism for rotary printing presses. 2,625,878, Jan. 20.
Beach, Leland K.: See—
Cunningham, Mary E., and Beach.
Becker, Louis C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus and method of operation. 2,626,287, Jan. 20.
Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Flexible toggle seal. 2,625,715, Jan. 20.
Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Flexible windshield mounting. 2,625,716, Jan. 20.
Beck, Vernon S., St. Louis, Mo. Multiple group gas burner with independent fuel and secondary air supplies. 2,625,992, Jan. 20.
Beck, Vernon S., St. Louis, Mo. Modulating gas burner. 2,626,105, Jan. 20.
Becker, Orville N.: See—
Stoner, George H., Becker, and Levinson.
Beckett, Donald E., and W. N., assignors of one-quarter to H. W. Harcum and one-quarter to J. B. Harcum, Wilmington, Ohio. Attachment for mechanically actuating the manually operable feed actuator shafts of machine tools. 2,625,844, Jan. 20.
Beckett, William N.: See—
Beckett, Donald E., and W. N.
Bejerle, Ferdinand, Detroit, Mich. Baseball game board. 2,626,155, Jan. 20.
Bell & Howell Company, assignee: See—
Johnson, Elmer L.
Bel-Ray Company, Inc., assignee: See—
Kiefer, William C.
Bendix Aviation Corporation, assignee: See—
Metzger, Charles S.
Berford, Robert F. W., Dearborn, and C. W. Wood, Grosse Pointe Farms, Mich., assignors to Phil Wood Industries Limited, Windsor, Ontario, Canada. Tail gate for loading and unloading vehicles. 2,626,067, Jan. 20.
Bergandi, Frank, Los Angeles, Calif. Wire netting machine. 2,625,961, Jan. 20.
Bergh, Jean B., New York, N. Y. Rotating chance game apparatus. 2,626,156, Jan. 20.
Bergson, Gustav, Philadelphia, Pa., assignor to Radio Corporation of America. Sound recording and reproduction. 2,626,320, Jan. 20.
Berninger, Kenneth L., and J. F. Haines, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Propeller mechanism. 2,625,998, Jan. 20.
Berry, Norton E., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Adsorption refrigeration. 2,625,800, Jan. 20.
Berry, William, Absecon, N. J. Device for collecting equine urine specimens. 2,626,387, Jan. 20.
Betta, Raymond L., Westfield, and J. D. Leslie, Cranford, N. J., assignors to Standard Oil Development Company. Solid phosphoric acid slurry polymerization process. 2,626,291, Jan. 20.
Beymer, Marshall, assignor of one-half to H. L. Sweltz, Chicago, Ill. Welding generator. 2,626,367, Jan. 20.
Bibko, Peter, Yonkers, N. Y. Automatic crankcase oil feed device. 2,626,017, Jan. 20.
Bier, Leo E., Los Angeles, Calif. Screw holding attachment for cruciform bit screw drivers. 2,625,971, Jan. 20.
Bituminous Coal Research, Inc., assignee: See—
Yellott, John I.
Black, Eric A., Red Bank, N. J. Adjustable anchorage. 2,625,815, Jan. 20.
Blackhawk Mfg. Co., assignee: See—
Traut, William A.
Blattner, Emil H., and G. F. Couch, Rochester, assignors to The Symington-Gould Corporation, Depew, N. Y. Railway truck. 2,625,888, Jan. 20.

Blending, George, Rochester, N. Y. Coin holder. 2,626,098, Jan. 20.
Bliss, Harvey N., Windsor, and O. Wild, Jr., West Hartford, assignors to Veeder-Roth Incorporated, Hartford, Conn. Resetting and interlock mechanism for liquid dispensing apparatus. 2,626,082, Jan. 20.
Bloom, Quentin M., assignor to Sela Corporation of America, Philadelphia, Pa. Quenching apparatus. 2,625,944, Jan. 20.
Blumenthal, Warren B., Niagara Falls, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Making zirconium tetrachloride. 2,626,203, Jan. 20.
Blumenthal, Warren B., Niagara Falls, assignor to National Lead Company, New York, N. Y. Zirconium pigments. 2,626,255, Jan. 20.
Boeing Airplane Company, assignee: See—
Anderson, Roy H.
Stoner, George H., Becker, and Levinson.
Van Ry, William H.
Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,626,128, Jan. 20.
Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint. 2,626,190, Jan. 20.
Bokenkroger, William H., Hudson Falls, and T. M. Avery, Glens Falls, assignors to Union Bag & Paper Corporation, Hudson, Falls, N. Y. Bag handle making and applying machine. 2,625,862, Jan. 20.
Bolling, Robert, Lakewood, Ohio. Baker's oven. 2,626,341, Jan. 20.
Booth, George M.: See—
Patch, Arthur H., and Booth.
Boroughs, Frank S., New York, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Table type stapler. 2,625,681, Jan. 20.
Bourne Mills, assignee: See—
Whewell, Robert.
Bowman, Samuel G.: See—
Caldwell, Walter L., and Bowman.
Bowser, Inc., assignee: See—
Fressler, Ralph B.
Bradshaw, Clifford R., Rock Elm, Wis. Unloading mechanism for farm wagons. 2,626,068, Jan. 20.
Brandenberger, Jacques E., Paris, France, assignor to Societe La Cellophane (Suisse), Basel, Switzerland. Apparatus for the production of wrapped articles. 2,625,770, Jan. 20.
Brandes, Oliver L., Gibsonia, and C. B. Pattinson, Jr., Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Cleaning internal-combustion engines and composition therefor. 2,626,225, Jan. 20.
Braun, Henry L., Albany, N. Y. Hoisting and lifting device. 2,626,178, Jan. 20.
Brennan, Joseph B., Cleveland, Ohio. Storage battery electrode and making. 2,626,294, Jan. 20.
Briam Industrial Corporation, assignee: See—
De Kadt, Maurits and J.
Brinkhoelter, Paul H., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open front self-service refrigerator. 2,625,799, Jan. 20.
Brod, John S., Wyoming, Ohio, and R. A. Henry, Inyokern, Calif., assignors to The Procter & Gamble Company, Cincinnati, Ohio. Washing agents. 2,626,264, Jan. 20.
Bronsten, Edward L., St. Paul, Minn., and J. N. Woodington, Chicago, Ill., assignors to United States Bedding Co., St. Paul, Minn. Spring assembling machine. 2,625,962, Jan. 20.
Bronsten, Edward L., St. Paul, Minn., and J. N. Woodington, Chicago, Ill., assignors to United States Bedding Co., St. Paul, Minn. Spring assembling machine. 2,625,963, Jan. 20.
Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. Consumer type container. 2,626,095, Jan. 20.
Brougher, John R., Calvert, Tex. One revolution clutch. 2,626,028, Jan. 20.
Brougher, John R., Calvert, Tex. Assembler control equipment for type line casting machines. 2,626,043, Jan. 20.
Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Billfold having an expandable pocket. 2,625,974, Jan. 20.
Brown & Bigelow, assignee: See—
Gruber, Francis E.
Brown, Chas., Display Inc., assignee: See—
McColl, Thomas P.
Brown, Edward, Memphis, Tenn. Scaffold structure. 2,626,189, Jan. 20.
Brown, George F., Shelburne Falls, Mass. Bomb cluster adapter. 2,625,880, Jan. 20.
Brown, Harold P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Replasticizing polymeric metalcarboxylates. 2,626,248, Jan. 20.
Brown, Russell H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparation of stable distillate fuels from cracked stocks. 2,626,208, Jan. 20.
Browne, Charles M.: See—
Wampler, Roy W., and Browne.
Browne, Lindsay H., Weston, Conn., assignor to American Brake Shoe Company, Wilmington, Del. Pump. 2,625,886, Jan. 20.

Brumbaugh, Isaac V., Clayton, Mo. Valve. 2,626,160, Jan. 20.
 Brzosowski, Witold, Westmount, Quebec, Canada, assignor to Thermal Research and Engineering Corp., Waltham, Mass. Combustion stabilization means for high-velocity air streams having a pilot burner and a streamlike igniter grill. 2,625,795, Jan. 20.
 Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lid. 2,626,191, Jan. 20.
 Budd Company, The, assignee: See—
 Dean, Albert G.
 Huerkl, Christian E.: See—
 Gappa, William L., and Duerkl.
 Ituhr, August G., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rear mounted implement for tractors. 2,625,869, Jan. 20.
 Hulmash, Albert, I. J. Polansky, and N. C. Irby, Baltimore, Md. Auto stroller. 2,625,982, Jan. 20.
 Hurton, Incorporated, assignee: See—
 Broughton, Douglas J.
 Cadwell, Leonard E.: See—
 Petropoulos, John C., and Cadwell.
 Caldwell, Carlyle G., Flushing, T. A. White, Jackson Heights, N. Y., W. L. George, Middlesex, N. J., and J. J. Eberl, Moynan, Pa., assignors to Johnson & Johnson, and National Starch Products Inc. Medical dusting powder. 2,626,257, Jan. 20.
 Caldwell, Oscar D., Oklahoma City, Okla. Auxiliary air and water supply for automobiles. 2,626,184, Jan. 20.
 Caldwell, Walter L., and S. G. Bowman, Pittsburgh, Pa. Lamp to illuminate the keyboard and music rack of organs. 2,626,345, Jan. 20.
 California Packing Corporation, assignee: See—
 Hole, William L.
 Calkins Manufacturing Company, assignee: See—
 Guyer, Morris W.
 Callender Foundry & Manufacturing Company, Limited, The, assignee: See—
 Copp, William G.
 Campbell, John F., Cuyahoga Falls, Ohio. Rectifying dusting system. 2,626,011, Jan. 20.
 Campbell, John J., Toronto, Ontario, Canada. Tool for gripping fish and other objects. 2,626,178, Jan. 20.
 Canal Industrial Company, assignee: See—
 Meryman, Harold T.
 Carbonnier, Robert, Tananarive, Madagascar. Flotation machine. 2,626,052, Jan. 20.
 Caron, John B. R.: See—
 Wles, Calmy, Caron, and Glendenning.
 Carper, Earl W., Parkersburg, assignor of one-half to L. Gottlieb, Parkersburg, W. Va. Cold wave curling rod. 2,625,940, Jan. 20.
 Carrier Corporation, assignee: See—
 Ashley, Carlyle M.
 Caruolo, George W., Westerly, R. I. Antiskid chain and mounting means therefor. 2,625,977, Jan. 20.
 Castle & Cooke, Limited, assignee: See—
 Hoyt, Simeon T.
 Castricum, Martin, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Making pneumatic tires. 2,625,980, Jan. 20.
 Celanese Corporation of America, assignee: See—
 Ward, George C.
 Central Tool Company, assignee: See—
 Stedman, James A.
 Chappel, Mary B., Tucson, Ariz. Clip for bicycle handle bars. 2,625,727, Jan. 20.
 Cheek, Robert C., Irwin, Pa., and P. L. Newbury, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multistation duplex system. 2,626,319, Jan. 20.
 Cheek, Robert C., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oscillator circuit. 2,626,354, Jan. 20.
 Cherry-Burrell Corporation, assignee: See—
 Lundal, Ingie J., and Robichaux.
 Chicago Pneumatic Tool Company, assignee: See—
 Lear, Earl B.
 Chlessa, Anthony: See—
 Adler, Edward, and Chlessa.
 Chisholm-Ryder Company of Pennsylvania, assignee: See—
 Hesson, Charles M.
 Chudleigh, Walter H., Jr.: See—
 Barnett, Guy F., and Chudleigh.
 Chute, Ralph H., Quincy, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Switch assembly. 2,626,336, Jan. 20.
 Cities Service Research and Development Company, assignee: See—
 Merley, Sylvan R., and Kofort.
 Clabaugh, Milford L., assignor to Wix Accessories Corporation, Gastonia, N. C. Oil filter for diesel locomotive engines. 2,626,087, Jan. 20.
 Clark, Harry S., and I. O. Clark, Lima, Ohio. Functional type house. 2,625,714, Jan. 20.
 Clark, Iva G.: See—
 Clark, Harry S., and I. O.
 Clark, John T., Cicero, and O. J. Schommer, Melrose Park, Ill.; said Schommer assignor to said Clark. Electrical scoring game. 2,626,312, Jan. 20.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Centrifugal washing machine. 2,625,809, Jan. 20.
 Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,626,230, Jan. 20.
 Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,626,231, Jan. 20.
 Cleal, Lyle M., Montgomery, Ala. Garden marker. 2,625,780, Jan. 20.
 Clifton, Edward D., Sr., San Antonio, Tex. Flexible flush tank ball shaft. 2,625,691, Jan. 20.
 Clinton, Raymond G., North Greenbush, and S. C. Lasowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Nitrobenzoxazoles. 2,626,260, Jan. 20.
 Clinton, Raymond G., North Greenbush, and S. C. Lasowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Nitrotertiaryaminobenzenitriles. 2,626,261, Jan. 20.
 Clover, Leonard W., San Jose, Calif. Valve. 2,625,950, Jan. 20.
 Cloverleaf-Freeland Corporation, assignee: See—
 Miller, William H.
 Clower, Patrick A., Alice, Tex. Retractable tray for automobile instrument panels. 2,626,194, Jan. 20.
 Coleman, Beamon V., Birmingham, Ala. Hand or power-operated actuating mechanism. 2,625,839, Jan. 20.
 Coleman, Orville K.: See—
 Road, Richard A., and Coleman.
 Colea, William T., and C. E. Wells, Columbus, Nebr. Row crop type tractor guide. 2,625,868, Jan. 20.
 Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Code communication system. 2,626,314, Jan. 20.
 Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Air traffic control system. 2,626,382, Jan. 20.
 Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Station registration in centralized traffic control system for railroads. 2,626,383, Jan. 20.
 Columbus Auto Parts Company, The, assignee: See—
 Klages, Reynold E.
 Concentric Manufacturing Co. Limited, assignee: See—
 Elvis, Wilfred H.
 Consoletti, Paul C., Millford, assignor to Draper Corporation, Hopedale, Mass. Suspending means for harness frames. 2,625,957, Jan. 20.
 Continental Machines, Inc., assignee: See—
 Crane, Robert L.
 Copp, William G., assignor to The Callender Foundry & Manufacturing Company, Limited, Guelph, Ontario, Canada. Motor and belt drive for tilt arbor saws. 2,625,966, Jan. 20.
 Corn Products Refining Company, assignee: See—
 Artz, Neal E.
 Cornwell, David R. L., and J. Taini, assignors to The C. F. Pease Company, Chicago, Ill. Print developer. 2,625,866, Jan. 20.
 Coskey, Edward P.: See—
 Steen, James, and Coskey.
 Couch, Glenn F.: See—
 Blattner, Emil H., and Couch.
 Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable with weakened stripping plane. 2,626,302, Jan. 20.
 Crämer, Helmut G., Stuttgart-Degerloch, and G. Koopewallner, assignors to Fortuna-Werke Spezialmaschinenfabrik A.-G., Stuttgart-Bad Cannstatt, Germany. Automatic circular grinding machine. 2,625,773, Jan. 20.
 Crane, Robert L., Glen Lake, assignor to Continental Machines, Inc., Savage, Minn. Work table feeding mechanism for band saw machines. 2,625,965, Jan. 20.
 Crane, Walton B., Beverly Hills, assignor to Max Factor & Co., Hollywood, Calif. Cosmetic holder. 2,626,047, Jan. 20.
 Cremer, Gottfried M. J., Frechen, near Cologne, Germany. Firing ceramic articles. 2,625,730, Jan. 20.
 Cristiano, Joseph, Bronx, N. Y. Stapling mechanism. 2,625,682, Jan. 20.
 Crompton & Knowles Loom Works, assignee: See—
 Turner, Richard G.
 Crookshank, Fred T.: See—
 Deutscher, Alton J., and Crookshank.
 Crookston, Robert R., Houston, Tex., assignor, by means assignments, to Standard Oil Development Company, Elizabeth, N. J. Automatic control system for well drilling. 2,626,127, Jan. 20.
 Crosby, Clarence L., Berwyn, Ill. Box holder. 2,626,119, Jan. 20.
 Cross, Richard N., Erie, Pa., assignor to General Electric Company. Cable reeling system. 2,626,112, Jan. 20.
 Croas, Sherwood T., Elamere, assignor to Atlas Powder Company, Wilmington, Del. Bloom inhibited chocolate. 2,626,216, Jan. 20.
 Crouch, Willie W., R. T. Werkman, and R. J. Fanning, Bartlesville, Okla., assignors to Phillips Petroleum Company. Thioesters and their preparation. 2,626,279, Jan. 20.

Cudy, Ralph R., Wayne County, Mich. Cleaning and dust collecting machine for dry mops. 2,625,704, Jan. 20.
 Cunningham, George A.: See—
 Sherwood, Robert C., Cunningham, Walgamott, and Urban.
 Cunningham, Mary E., Red Bank, and L. K. Beach, Westfield, N. J., assignors to Standard Oil Development Company. Vapor phase of beta-methylmercaptopropanaldehyde. 2,626,282, Jan. 20.
 Curley, Morton B., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Fan diffuser having an airfoil lattice deflector. 2,626,101, Jan. 20.
 Cutler-Hammer, Inc., assignee: See—
 Fischer, Paul M.
 Hodgson, Howard E.
 Koedig, Martin F.
 Cyser, Bernard, Tel Aviv, Israel. Toothbrush with oscillating head. 2,625,697, Jan. 20.
 Dahl, Norman C., Boston, assignor to Dexdahl, Inc., Cohasset, Mass. Sole straightening device for shoes. 2,625,696, Jan. 20.
 Dalley, Hampton J., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric discharge device. 2,626,369, Jan. 20.
 Dake Engine Company, assignee: See—
 Poort, Henry H., and Shaver.
 Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Inflating mechanism adjustable for high or low pressure ranges. 2,625,949, Jan. 20.
 Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Spray gun. 2,626,188, Jan. 20.
 Dammann, Faye G.: See—
 Troth, Harry O., and Dammann.
 Dana Corporation, assignee: See—
 De Coursey, Everson M.
 Dandini, Juliana S., Reno, Nev. Armored skirt for tanks. 2,625,859, Jan. 20.
 Daniels, Lee G., Rockford, Ill. Valve structure. 2,626,123, Jan. 20.
 Davey, Paxman and Company Limited, assignee: See—
 Allman-Ward, Frederick H.
 Davies, James R., and L. C. Starkweather, Bakersfield, Calif. Wrench for radiator caps. 2,625,848, Jan. 20.
 Davis, James E., Abilene, and A. Sandhofer, deceased, Cisco, Tex.; R. Sandhofer, administratrix of said A. Sandhofer. Pumping mechanism. 2,625,882, Jan. 20.
 Day, Clarence P., assignor to The Parker Appliance Company, Cleveland, Ohio. Closure cap for tube fittings. 2,625,955, Jan. 20.
 Deaderick, James: See—
 Thurnauer, Haps, and Deaderick.
 Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Roof construction for passenger-type railway cars. 2,625,890, Jan. 20.
 Dean, Paul E., Spartanburg, assignor of one-half to A. L. Lokey, Gaffney, S. C. Shuttle filling guide and tensioning device. 2,625,960, Jan. 20.
 Decca Record Company, Limited, The, assignee: See—
 O'Brien, William J.
 De Coursey, Everson M., Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Clutch with over center spring levers. 2,626,032, Jan. 20.
 Deering Milliken Research Trust, assignee: See—
 Klein, Norman E.
 De Kadt, Jacques: See—
 De Kadt, Maurita and J.
 De Kadt, Maurita and J., assignors to Briam Industrial Corporation, New York, N. Y. Carpet sweeper. 2,625,098, Jan. 20.
 Dempster Brothers, Incorporated, assignee: See—
 Jones, Harry W.
 Denney, Robert R., Springfield, Ill. Bowling game apparatus with swingably supported pins. 2,626,153, Jan. 20.
 Denning, Gabriel J., Hoxie, Kans. Mercury switch. 2,626,333, Jan. 20.
 De Pree, Lee: See—
 Barry, Arthur J., De Pree, and Hook.
 Barry, Arthur J., Hook, and De Pree.
 Deutscher, Alton J., and F. T. Crookshank, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Noncorrosive soluble oil containing active sulfur. 2,626,240, Jan. 20.
 Devau, Joseph O., Derby Line, Vt. Pneumatic trouser cuff and pocket cleaner. 2,625,703, Jan. 20.
 De Villias Company, The, assignee: See—
 Lammiman, Lewis W.
 Devlin, Virginia, assignee: See—
 Antle, John T., Jr.
 Dexdahl, Inc., assignee: See—
 Dahl, Norman C.
 Dexter, C. H., and Sons, Incorporated, assignee: See—
 Osborne, Fay H.
 Dietrich, Howard H.: See—
 Jorgensen, Clarence H., Nickel, Dietrich, and Worden.
 Dillard, James E., Memphis, Tenn. Composite linkage. 2,625,838, Jan. 20.
 Doak Aircraft Company, Inc., assignee: See—
 Doak, Edmund R.
 Doak, Edmund R., Los Angeles, assignor to Doak Aircraft Company, Inc., Torrance, Calif. Helicopter stabilizing device. 2,625,997, Jan. 20.

Dobbs, Frank G. and S. H., New York, N. Y. Foldable receptacle. 2,625,975, Jan. 20.
 Dobbs, Stephan H.: See—
 Dobbs, Frank G. and S. H.
 Dodge & Olcott, Inc., assignee: See—
 Johnston, Claude, and Schumm.
 Dombrowski, Briney S., Seneca Falls, N. Y. Machine for coating rulers. 2,625,904, Jan. 20.
 Dougherty, James E.: See—
 Reno, Michael W., and Dougherty.
 Dow Chemical Company, The, assignee: See—
 Barry, Arthur J., Hook, and De Pree.
 Barry, Arthur J., De Pree, and Hook.
 Hunter, Melvin J., and Serrano.
 Dow Corning Corporation, assignee: See—
 Barry, Arthur J.
 Sommer, Leo H.
 Speler, John L.
 Draper Corporation, assignee: See—
 Consoletti, Paul C.
 Drsher, George C., Short Hills, N. J. Mouth mirror. 2,625,858, Jan. 20.
 Drott, Edward A., Milwaukee, Wis. Thrust transmission device for material handling equipment. 2,625,755, Jan. 20.
 Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Synchronizing system. 2,626,390, Jan. 20.
 Ducon Electric Manufacturing Company, assignee: See—
 Road, Richard A., and Coleman.
 Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Making mottled plastic sheet material. 2,625,712, Jan. 20.
 Earle, Ralph H., Wauwatosa, J. F. Kusela, Milwaukee, and W. O. Schultz, Marshfield, assignors to McGraw Electric Company, Milwaukee, Wis. Electrical switch. 2,626,332, Jan. 20.
 Eaton Laboratories, Inc., assignee: See—
 Ward, William C.
 Eberl, James J.: See—
 Caldwell, Carlyle G., White, George, and Eberl.
 Echlin, Beryl G., assignee: See—
 Echlin, John E.
 Echlin, John E., assignor to B. G. Echlin, New Haven, Conn. Shelf partition. 2,626,063, Jan. 20.
 Echlin, John E., New Haven, E. A. Nordberg, Westport, and E. J. Sambrook, Hamden, assignors to Echlin Manufacturing Company, New Haven, Conn. Switch for relay circuits for automobiles or the like. 2,626,373, Jan. 20.
 Echlin Manufacturing Company, assignee: See—
 Echlin, John E., Nordberg, and Sambrook.
 Edinburg Corporation, assignee: See—
 Sippel, Theodore C.
 Edwards, Andrew W.: See—
 Wallace, James M., Edwards, and Kraft.
 Edwards Manufacturing Co., The, assignee: See—
 Richmond, Sam.
 Elcher, William F., Westfield, and L. H. Schwartz, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Transmission delay measuring system. 2,626,306, Jan. 20.
 Elde, Ole J., J. A. Johnson, and C. F. Milkwick, Anaconda, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Dispensing apparatus. 2,625,952, Jan. 20.
 Eklund, Henrik J., Wausau, and C. W. Miller, Eland, assignors to D. J. Murray Manufacturing Co., Wausau, Wis. Mechanical log barker. 2,625,968, Jan. 20.
 Electric Controller & Manufacturing Company, The, assignee: See—
 Lettich, John D.
 Electric Storage Battery Company, The, assignee: See—
 Smith, William W.
 Elliott, Charles H., assignor to Reed Roller Bit Company, Houston, Tex. Applying hard surfacing material to metal bodies. 2,626,221, Jan. 20.
 Ellison, John A. T., Seattle, Wash. Sales stimulating panel. 2,626,389, Jan. 20.
 Elvis, Wilfred H., assignor, by means assignments, to Concentric Manufacturing Co. Limited, Birmingham, England. Pie and like molding machine. 2,625,892, Jan. 20.
 Engelhardt, William E., North Arlington, N. J. Electric switch. 2,626,311, Jan. 20.
 Engelhardt, Adolph, Bismarck, N. Dak. Rotatably adjustable camera back. 2,625,864, Jan. 20.
 Engstrand, John A.: See—
 Maxwell, Wilber A., and Engstrand.
 Enterprise Manufacturing Co. of Pennsylvania, The, assignee: See—
 Hess, Frederick P.
 Epstein, Eddie, assignee: See—
 Pokras, Harry.
 Erickson, Elmer L., Brookings, S. Dak. Liquid graduate. 2,625,823, Jan. 20.
 Erikson, Carl F., White Plains, N. Y., assignor, by means assignments, to Nathan Manufacturing Corp. Lubricant distributor. 2,626,015, Jan. 20.
 Erwin, Wilhelm, Buenos Aires, Argentina. Perambulator. 2,626,162, Jan. 20.
 Eschenbrenner, Hector X., Columbus, Ohio. Concrete pipe-forming machine, including means for extracting excess fluids by vacuum. 2,625,726, Jan. 20.
 Etched Products Corporation, assignee: See—
 Adler, Edward, and Chlessa.

Esell Fruit Company, assignee: See—
Esell, James B., and Tucker.
Esell, James B., and J. G. Tucker, Jr., assignors to Esell Fruit Company, Bradenton, Fla. Material handling device. 2,626,070, Jan. 20.
Factor, Max, & Co., assignee: See—
Crane, Walton B.
Fanning, Robert J.: See—
Crouch, Willie W., Werkman, and Fanning.
Farr, Kenneth E., Paxinos, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combination radio and television receiver. 2,626,315, Jan. 20.
Farrell, Joseph E., assignor to Farspan Industries, Inc., Island Heights, N. J. Gasifying carburetor. 2,625,920, Jan. 20.
Farspan Industries, Inc., assignee: See—
Farrell, Joseph E.
Fawick Airdez Company, Inc., The, assignee: See—
Fawick, Thomas L.
Fawick Flexi-Grip Company, assignee: See—
Karna, James A.
Fawick, Thomas L.: See—
Kaston, Henry, and Fawick.
Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airdez Company, Inc. Molding apparatus for shaping fluid distensible bags for actuation of clutches and brakes. 2,625,711, Jan. 20.
Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airdez Company, Inc. Fluid clutch with all-dable bearing. 2,626,031, Jan. 20.
Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airdez Company, Inc. Centrifugal clutch with removable cantilever spring. 2,626,034, Jan. 20.
Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airdez Company, Inc. Plural-passage rotary fluid seal. 2,626,160, Jan. 20.
Federal Carton Corporation, assignee: See—
Gjostein, Nils.
Fell, William K., Elisabeth, and J. D. Lealle, Cranford, N. J., assignors to Standard Oil Development Company. Polymerizing olefins with a phosphoric acid slurry catalyst. 2,626,290, Jan. 20.
Fenvesay, Stanley J.: See—
Morrow, John H., and Fenvesay.
Fernberg, Eric B., Pliner, England. Closure device for apertures. 2,626,080, Jan. 20.
Ferrante, Marco, Brooklyn, N. Y. Device for attaching fabric to umbrella ribs. 2,625,947, Jan. 20.
Fessler, William A., Prince George County, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Surface-active composition. 2,626,244, Jan. 20.
Field and Flint Co., assignee: See—
Flint, Perley G., and Maguire.
Field, Howard, Jr.: See—
Lewis, Howard B., and Field.
Finn, Thomas J., West Roxbury, Mass. Stapling machine. 2,625,680, Jan. 20.
Fischer, Paul M., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for stage encore curtain hoisting motors. 2,626,375, Jan. 20.
Flatt, Elton B., Orono, Tex. Bit for bridles. 2,625,780, Jan. 20.
Flint, Perley G., and J. J. Maguire, assignors to Field and Flint Co., Brockton, Mass. Insole having cookie for shoes. 2,625,751, Jan. 20.
Florida Land Clearing Equipment Company, assignee: See—
Peacock, Thomas W., and G. W. Peacock, Sr.
Flugrath, Walter W., New Braunfels, Tex. Burglar alarm. 2,625,901, Jan. 20.
Fogel, Mortimer A., Hewlett, N. Y., and I. Rubin, Norwalk, Conn. Sinus and facial mask. 2,626,343, Jan. 20.
Follansbee, Rogers, Evanston, and E. F. Ford, Chicago, assignors, by means assignments, to R. Follansbee, Evanston, Ill. Air circulating unit. 2,625,872, Jan. 20.
Food Machinery and Chemical Corporation, assignee: See—
Mumma, Harold J.
Food Research Laboratories, Inc., assignee: See—
Winsten, Walter A.
Ford, Edward F.: See—
Follansbee, Rogers, and Ford.
Ford, James G.: See—
Rattler, Frank A., Swiss, and Ford.
Forney, Elbridge W., Fort Lauderdale, Fla. Egg turning apparatus for incubators. 2,625,906, Jan. 20.
Forrest, Frank R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pumping apparatus. 2,626,086, Jan. 20.
Fortuna-Werke Spezialmaschinenfabrik A.-G., assignee: See—
Crämer, Helmut G., and Koppenwallner.
Foster, Edson P., Manitowoc, Wis. Hand catapult. 2,625,926, Jan. 20.
Fraser, Coleman T., Louisville, Ky. Coin-shaped bottle opener. 2,625,847, Jan. 20.
Fraser, Quentin, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Cloud height indicator. 2,625,743, Jan. 20.
Freedman, Max, assignee: See—
Miller, Earl M.
Freiberg, James M., New Kensington, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Folding shipping frame for glass. 2,626,050, Jan. 20.

French, John, Ecorse, Mich., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Constant speed control for strip annealing. 2,626,110, Jan. 20.
French Oil Mill Machinery Company, The, assignee: See—
Greenbank, George R.
Frick Company, assignee: See—
Garland, Milton W.
Friedlob, Fred M., Chicago, Ill. Combined compression relief and carburetor control for internal-combustion engines. 2,625,924, Jan. 20.
Friedrich, Ed, Inc., assignee: See—
Brinkoeter, Paul H.
Fullerform, Inc., assignee: See—
Morgan, John F.
Futral, Henry M.: See—
Bastion, Cyell E., and Futral.
Gappa, William L., West Allie, and C. E. Buerkl, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Fuel feed control for liquid fuel ranges. 2,625,991, Jan. 20.
Garland, Milton W., assignor to Frick Company, Wayneboro, Pa. Cylinder head. 2,626,102, Jan. 20.
Garmers, Herman A., Minneapolis, Minn. Absorbent pad holder with retaining clamp structure. 2,625,739, Jan. 20.
Gates Rubber Company, The, assignee: See—
Naasimbene, Ernest.
Gaudry, Roger, Sillery, Quebec, assignor to Ayerst, McKenna & Harrison, Limited, Saint Laurent, Quebec, Canada. Hydantoin derivative. 2,626,263, Jan. 20.
Gaylor, James E., Huntington Park, Calif. Adjustable head-supported binocular. 2,625,855, Jan. 20.
Gelb, Herbert, assignor to Joseph Gelb Company, New York, N. Y. Camera lens board and means for controlling the same. 2,625,851, Jan. 20.
Gelb, Joseph, Company, assignee: See—
Gelb, Herbert.
General Dry Batteries, Inc., assignee: See—
MacFarland, Allison M.
General Electric Company, assignee: See—
Cross, Richard N.
Hammerly, Herman J.
Johansson, August V.
McIntyre, Roger.
Secor, Herbert W.
Starkey, Neal E.
Suhr, Fred W., and Heller.
Von Hoorn, Fred G.
General Industries Company, The, assignee: See—
Hartman, Herbert L.
General Mills, Inc., assignee: See—
Polivka, John N.
General Motors Corporation, assignee: See—
Berninger, Kenneth L., and Haines.
Clark, Kendall.
Harris, Edward P., and Sampson.
Harrold, Marshall C.
Jacoba, James W.
Jorgensen, Clarence H., Nickel, Dietrich, and Worden.
General Railway Signal Company, assignee: See—
Coley, Nelson H.
General Tire and Rubber Company, The, assignee: See—
Beck, Howard G.
George, William L.: See—
Caldwell, Carlyle G., White, George, and Eberl.
Gibson, John E., Washington, D. C. Microwave slot coupling. 2,626,316, Jan. 20.
Gibson, John E., Washington, D. C. Ultrahigh-frequency generator. 2,626,356, Jan. 20.
Gilmore, Burdette B., Pelham Manor, N. Y. Radio-clock-lamp combination. 2,626,327, Jan. 20.
Girouard, Raymond E., Danville, Ill. Display device for merchandise carrying cards and the like. 2,626,061, Jan. 20.
Gjostein, Nils, New York, N. Y., assignor to Federal Carton Corporation, North Bergen, N. J. Jogging device for piled sheets. 2,626,147, Jan. 20.
Gladrow, Elroy M.: See—
Kimberlin, Charles N., Jr., and Gladrow.
Glasgow, Clarence O., and J. L. Maher, assignors to National Tank Company, Tulsa, Okla. Means for heating vessels. 2,625,915, Jan. 20.
Glass, Karl B., Paso Robles, Calif. Automobile truck direction indicator. 2,625,900, Jan. 20.
Gleason Works, assignee: See—
Johnson, Olaf A.
Glendenning, Everett B.: See—
Wlee, Calmy, Caron, and Glendenning.
Goets, Henry G., Short Hills, and H. F. Ruschmann, Bernardsville, N. J. Precision strip feed mechanism. 2,626,146, Jan. 20.
Goldberg, Edwin A.: See—
Serrell, Robert, and Goldberg.
Goldberg, Harry H., Denver, Colo. Automatic clutch control means for press brakes. 2,626,030, Jan. 20.
Gonzalez, Fermin C., Tampa, Fla. Convertible truck and trunk compartment for automobiles. 2,626,179, Jan. 20.
Goodrich, B. F., Company, The, assignee: See—
Brown, Harold P.
Goodrich, B. F., Company, The, assignee: See—
Keller, Russell J.
Gordon, Carroll G.: See—
Atwood, John L., and Gordon.

Gornowski, Edward J., Cranford, N. J., assignor to Standard Oil Development Company. Removal of finely divided solids from polymerization streams. 2,626,292, Jan. 20.
Gottlieb, Lenard, assignee: See—
Carper, Earl W.
Gould, Byron C., assignor to The Murray Corporation of America, Detroit, Mich. Stove oven with removable partitions. 2,625,928, Jan. 20.
Grand Rapids Store Equipment Company, assignee: See—
Vanderveld, Anthony.
Grano, Waldo W., assignee: See—
Snyder, Peter.
Grant Oil Tool Company, assignee: See—
Maxwell, Wilber A., and Engstrand.
Green, Isaac H. C., Pawtucket, and J. Wawzonek, Central Falls, assignors to Hemphill Company, Pawtucket, R. I. Yarn lever controlling mechanism. 2,626,608, Jan. 20.
Green, Wesley R., Los Angeles, and V. E. Long, Inglewood, Calif. Hand band saw. 2,625,964, Jan. 20.
Greenbank, George R., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Method and apparatus for solvent extraction. 2,626,265, Jan. 20.
Greenwood, Robert I.: See—
Harder, Edwin L., Greenwood, Moore, and Stringer.
Grosse, Arlaid V., Haverford, Pa. Suppressing the oxidation of CO to CO₂ in a fixed bed regenerator. 2,626,245, Jan. 20.
Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid heating apparatus. 2,626,141, Jan. 20.
Grobbas, Ralph E., Kansas City, Mo. Paint applicator. 2,625,702, Jan. 20.
Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Pivoted knife blade assembly. 2,625,738, Jan. 20.
Gulf Research & Development Company, assignee: See—
Brandes, Oliver L., and Pattinson.
Gustafson, George L., Minneapolis, Minn. Pull-up hitch for tractors. 2,626,125, Jan. 20.
Gutterman, Robert P., Arlington, Va. Spring type overload release clutch. 2,626,029, Jan. 20.
Guyer, Morris W., assignor to Calkins Manufacturing Company, Spokane, Wash. Slurry distributor for seed treaters. 2,626,131, Jan. 20.
Hablich, Edward: See—
Telecky, Elmer G., and Hablich.
Haines, John F.: See—
Berninger, Kenneth L., and Haines.
Halliday, Thomas W., Los Angeles, Calif. Surgical wire feeding device. 2,625,934, Jan. 20.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Filler feed for cigar bunch machines. 2,625,938, Jan. 20.
Hammerberg, Chester A., Des Plaines, assignor to Armour and Company, Chicago, Ill. Meat-shaping apparatus. 2,625,876, Jan. 20.
Hammerly, Herman J., Plainville, Conn., assignor, by means assignments, to General Electric Company. Sliding connector for bus bar sections. 2,626,298, Jan. 20.
Hammerly, Herman J., Plainville, Conn., assignor, by means assignments, to General Electric Company. Bus duct system of power distribution. 2,626,301, Jan. 20.
Hammond Instrument Company, assignee: See—
Hammond, Laurens, and Stephens.
Hammond, Laurens, Chicago, and G. H. Stephens, Glencoe, Ill. Pedal clavier switch mechanism. 2,626,325, Jan. 20.
Hansa, William C., Jr., Rutherford, N. J. Portable weeder. 2,625,867, Jan. 20.
Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Take-up apparatus. 2,626,111, Jan. 20.
Harcum, Herber W., assignee: See—
Beckett, Donald E., and W. N.
Harcum, J. Bates, assignee: See—
Beckett, Donald E., and W. N.
Harder, Edwin L., Pittsburgh, Pa., R. I. Greenwood, Montrose, Calif., R. W. Moore and L. F. Stringer, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,626,376, Jan. 20.
Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Pipe smoker's accessory. 2,625,939, Jan. 20.
Harper-Wyman Company, assignee: See—
Harper, Philip S.
Lamar, Charles C.
Harrington, Ethel G., North Braddock, Pa. Pin curler for cold waving. 2,625,941, Jan. 20.
Harris, Clyde W., Socorro, N. Mex. Solar-heating structure. 2,625,930, Jan. 20.
Harris, Edward P., and F. W. Sampson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Apparatus for making flexible hose. 2,625,979, Jan. 20.
Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,626,330, Jan. 20.
Harsh, Fred T., assignee: See—
Knott, Charles W.
Harsh, Fred T., Jr., assignee: See—
Knott, Charles W.
Harsh, James D., assignee: See—
Knott, Charles W.

Harshaw Chemical Company, The, assignee: See—
Long, Robert H.
Hart, Arthur T., York, S. C. Tape roll supporting means. 2,626,109, Jan. 20.
Hart, Hal M., Independence, Mo., assignor to Standard Oil Company, Chicago, Ill. Fluidized solids flow control system. 2,626,247, Jan. 20.
Hart Manufacturing Co., The, assignee: See—
Holmberg, Hartvig E.
Landin, Carl A.
Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Pendulum lock. 2,626,143, Jan. 20.
Hartman, Herbert L., assignor to The General Industries Company, Elyria, Ohio. Drive mechanism for phonograph turntables and tape mechanisms. 2,625,827, Jan. 20.
Harwin, C. W., Inc., assignee: See—
Roselund, Harold A.
Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Apparatus for recording time intervals. 2,626,004, Jan. 20.
Hay, Daniel C., Santa Monica, Calif. Plunger type lock. 2,625,812, Jan. 20.
Haya Manufacturing Company, assignee: See—
Miller, Wesley G.
Hayward, Roger, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Army. Panoramic telescope device. 2,625,853, Jan. 20.
Hayward, Roger, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Army. Panoramic binocular telescope. 2,626,854, Jan. 20.
Healey, William, Philadelphia, Pa. Elevator door interlock. 2,626,018, Jan. 20.
Heinrich, Helmut G., Dayton, Ohio. Governor for automatic opening control of parachutes. 2,626,117, Jan. 20.
Helfrecht, Fred A.: See—
Johnson, Lloyd A., Helfrecht, and Stewart.
Heller, Martin W., Jr.: See—
Suhr, Fred W., and Heller.
Heller, Paul R.: See—
Baudry, René A., and Heller.
Helton, Van Wyke H., Concord, N. C. Bumper for tank type vacuum cleaners. 2,626,173, Jan. 20.
Hemphill Company, assignee: See—
Green, Isaac H. C., and Wawzonek.
St. Pierre, Eugene.
Henikman, Frank, Chicago, Ill. Oil tank water drainer. 2,626,064, Jan. 20.
Henry, Ronald A.: See—
Brod, John S., and Henry.
Herrick, Fat H., Baltimore, Md. Motorized wheeled figure toy. 2,625,771, Jan. 20.
Herrick, Robert E., Chicago, Ill. Baggage latch. 2,626,172, Jan. 20.
Hess, Frederick P., assignor to The Enterprise Manufacturing Co. of Pennsylvania, Philadelphia, Pa. Drilling cutting plates. 2,625,846, Jan. 20.
Hesson, Charles M., assignor to Chisholm-Ryder Company of Pennsylvania, Hanover, Pa. Can labeling machine. 2,626,075, Jan. 20.
Hlatt, Ester L., assignee: See—
Wallace, Clarence E.
Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Recovery of organic oxygen-containing compounds from mixtures of hydrocarbon oils. 2,626,276, Jan. 20.
Hickin, Robert J., assignor to The Ohio Boxboard Company, Rittman, Ohio. Frangible means for dispensing cartons. 2,626,096, Jan. 20.
Hickok Manufacturing Co. Inc., assignee: See—
Hickok, Raymond T.
Hickok, Raymond T., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Apparel belt. 2,625,890, Jan. 20.
Highway Trailer Company, assignee: See—
Stenhen, James.
Himel, Chester M.: See—
Wagner, Cary R., Axe, and Himel.
Hinda, Lloyd E., Los Angeles, Calif. Motorcycle lock. 2,625,813, Jan. 20.
Hiltov, Joseph J., assignor to Realistoflex Corporation, Belleville, N. J. End seal for printing rollers. 2,625,735, Jan. 20.
Hochberger, John, Chicago, Ill. Flush tank lever attachment. 2,625,692, Jan. 20.
Hochman, Julius C., New York, N. Y. Duplicating ribbon attachment. 2,626,035, Jan. 20.
Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Lifting magnet. 2,626,310, Jan. 20.
Hoffman, Philip A., and G. K. Jensen, U. S. Navy. Variable frequency oscillator. 2,626,355, Jan. 20.
Hole, William L., Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Pineapple box with stacking feature and hinged end gate. 2,626,076, Jan. 20.
Holmbeck, John D., assignor to The James Knights Company, Sandwich, Ill. Piezoelectric crystal and making it. 2,626,363, Jan. 20.
Holmberg, Hartvig E., assignor to The Hart Manufacturing Co., St. Paul, Minn. Card feedbox. 2,626,149, Jan. 20.

Holmes, Ernest, Company, assignee: See—
 Holmes, Ernest W., Jr., Chattanooga, Tenn., assignor to Ernest Holmes Company, Steering wheel clamp for automobiles. 2,623,937, Jan. 20.
 Holclaw, Charles H., Evansville, Ind., Means for suspending a boat from a trailer. 2,626,072, Jan. 20.
 Hönel, Herbert, Hamburg-Wandsbek, Germany, and H. Manzano, Vienna, Austria, Resol-alkyd resin products. 2,626,249, Jan. 20.
 Hook, Donald E.: See—
 Barry, Arthur J., Hook, and De Pree.
 Barry, Arthur J., De Pree, and Hook.
 Horsley, Margaret T., assignor of one-half to J. Woerner, Houston, Tex., Everting device. 2,626,090, Jan. 20.
 Houdaille-Hershey Corporation, assignee: See—
 Sebok, Joseph B.
 Sebok, Joseph B., and F.
 Howard, Alfred S., Shaker Heights, and W. Selesnick, Cleveland Heights, Ohio, Syringe with vernier adjustment. 2,626,087, Jan. 20.
 Howser, Julia M., administratrix: See—
 Howser, Walter M.
 Howser, Walter M., deceased, Indianapolis, Ind.; J. M. Howser, administratrix, Centrifugal pump drive and seal means. 2,623,883, Jan. 20.
 Hoyt, Simeon T., Honolulu, Hawaii, assignor to Castle & Cooke, Limited, Apparatus for treating molasses. 2,626,053, Jan. 20.
 Hubbard, Harold P., Encinitas, Calif., Tubular construction toy. 2,623,769, Jan. 20.
 Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo., Safety fuse for room heaters and the like. 2,626,340, Jan. 20.
 Hunter, Byron A., Oxford, Conn., assignor to United States Rubber Company, New York, N. Y., Thio bis (benzene sulfonyl hydrazide). 2,626,280, Jan. 20.
 Hunter, Melville G., Leesburg, Fla., Child's seat. 2,625,987, Jan. 20.
 Hunter, Melvin J., and P. C. Servais, assignors to The Dow Chemical Company, Midland, Mich., Preparation of alkoxy hydroallanes. 2,626,273, Jan. 20.
 Hutchisson, Clarence L., Jr., and J. D. Spanliding, Mobile, Ala., Nonupsetting garbage can. 2,626,078, Jan. 20.
 Hydrocarbon Research, Inc., assignee: See—
 Sullivan, Frederick W., Jr.
 Illinois Tool Works, assignee: See—
 Stull, John S.
 Immenroth, Otto, Alhambra, Calif., Rotary progressive die for presses. 2,625,898, Jan. 20.
 Imperial Chemical Industries Limited, assignee: See—
 Landquist, Justus K., and Stacey.
 Imperial Paper and Color Corporation, assignee: See—
 James, Raymond W., and Plings.
 Industrial Manufacturers Ltd., assignee: See—
 Obert, Lawrence R.
 Ingalls, Henry A., Bakersfield, Calif., Constructing buildings. 2,625,729, Jan. 20.
 Ingersoll-Rand Company, assignee: See—
 Anderson, James H.
 Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., Alkylated dihydroquinolines. 2,626,253, Jan. 20.
 Innes, George: See—
 Innes, Robert G. and G.
 Innes, Robert G., Davenport, Iowa, and G. Innes, Alhambra, Calif.; said R. G. Innes assignor to said G. Innes, Apparatus for separating potatoes. 2,626,051, Jan. 20.
 International Cellulose Products Company, assignee: See—
 Sabee, Reinhardt N.
 International Cigar Machinery Company, assignee: See—
 Halstead, John F.
 Rundell, Rupert E.
 International Newspaper Supply Corporation, assignee: See—
 Ross, John R.
 Ipsen, Harold N., Rockford, Ill., Flexible conveyor. 2,626,041, Jan. 20.
 Irby, Nathan C.: See—
 Hulmaah, Albert, Polansky, and Irby.
 Izo, John, Jr.: See—
 Nelkirk, Edwin P., and Izo.
 Jablonaki, Bronislaw J., Ware, Mass., Photograph record automatic changing device. 2,626,157, Jan. 20.
 Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio, Snap-acting fluid motor. 2,626,183, Jan. 20.
 Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill., Inhibiting foam in steam generation. 2,626,243, Jan. 20.
 James, Raymond W., Lexington, and W. B. Plings, Cohasset, Mass., assignors, by mesne assignments, to Imperial Paper and Color Corporation, Glens Falls, N. Y., Water soluble cationic resins. 2,626,251, Jan. 20.
 Jeffrey Manufacturing Company, The, assignee: See—
 Curley, Morton B.
 Jenks, George M. T., St. Petersburg, Fla., Golf practicing apparatus. 2,626,151, Jan. 20.
 Jensen, Oarold K.: See—
 Hoffman, Philip A., and Jensen.
 Jensen, Jack H.: See—
 Rust, David J., and Jensen.

Jesonis, Alexander, Stratford, Conn., Machine for determining pipe contours in pipe joints. 2,623,741, Jan. 20.
 Jessop, Frank W., Cleveland, Ohio, Load suspension link. 2,626,173, Jan. 20.
 Johanson, August V., Erie, Pa., assignor to General Electric Company, Power circuit control system. 2,620,362, Jan. 20.
 Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill., Automatic sheet feeding mechanism. 2,626,148, Jan. 20.
 Johnson, Everett A., assignee: See—
 Morrow, John H., and Ferryvessy.
 Johnson, John A.: See—
 Elde, Ole J., Johnson, and Milkwick.
 Johnson & Johnson, assignee: See—
 Caldwell, Carlyle G., White, George, and Eberl.
 Johnson, Lloyd A., Atherton, F. A. Helfrecht, and H. T. Stewart, assignors to National Motor Bearing Co., Inc., Redwood City, Calif., Fluid seal. 2,626,169, Jan. 20.
 Johnson, Olaf A., Irondequoit, assignor to Gleason Works, Rochester, N. Y., Geneva mechanism. 2,625,833, Jan. 20.
 Johnson, Raymond C.: See—
 Thompson, Charles J., and Johnson.
 Johnstone, Claude, Brooklyn, N. Y., and F. R. Schumm, Jersey City, N. J., assignors to Dodge & Oicott, Inc., New York, N. Y., Liquid pepper composition and producing the same. 2,626,218, Jan. 20.
 Jones, Harry W., assignor to Dempster Brothers, Incorporated, Knoxville, Tenn., Collecting, transporting, and dumping equipment. 2,626,069, Jan. 20.
 Jones, Ira M., assignee: See—
 Brooks, Lewis C.
 Jorgensen, Clarence H., East Rochester, W. T. Nickel, H. H. Dietrich, and D. P. Worden, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., Control for multiple engines. 2,625,834, Jan. 20.
 Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., Decomposition of alkyl alpha-hydroperoxides. 2,626,281, Jan. 20.
 Joy Manufacturing Company, assignee: See—
 Baldwin, Clyde P.
 Jurasevich, Elsie M., assignee: See—
 Jurasevich, Mitchell L.
 Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif., Power-driven sewer cleaner. 2,625,699, Jan. 20.
 Kaiser Aluminum & Chemical Corporation, assignee: See—
 Smith, Arthur D.
 Karna, James A., Akron, Ohio, assignor to Fawick Flexi-Grip Company, Golf tee. 2,626,150, Jan. 20.
 Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill., Apparatus for conducting catalytic endothermic and exothermic reactions. 2,626,204, Jan. 20.
 Kaston, Henryk, New York, N. Y., and T. L. Fawick, Cleveland, Ohio, Inflatable umbrella. 2,625,946, Jan. 20.
 Kaufman, Alfred S., assignor to Alaska Clothing Company, Inc., New York, N. Y., Combined belt and garment. 2,625,688, Jan. 20.
 Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., Loom harness. 2,625,958, Jan. 20.
 Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., Coupler pin protector. 2,626,064, Jan. 20.
 Keleher, William H., Chicago, Ill., Floor rack for refrigerator cars. 2,625,889, Jan. 20.
 Keller, Charles L., Winnetka, Ill., assignor to The Richardson Company, Lockland, Ohio, Bottle carrying case. 2,626,079, Jan. 20.
 Keller, Russell J., Dayton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., Brake. 2,626,020, Jan. 20.
 Kelsey, Cadwallader W., Troy, N. Y., Multiple windrowing disk type mower. 2,625,784, Jan. 20.
 Kemp, Klaus M., Santa Barbara, Calif., Shoe protector. 2,625,752, Jan. 20.
 Kendall Company, The, assignee: See—
 Secretat, Horace A.
 Kennedy, Garland C., assignor of one-half to E. L. and J. A. Pugh, doing business as Pugh's Super Market, Petersburg, Va., Merchandise display cabinet. 2,625,806, Jan. 20.
 Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill., Grille. 2,625,873, Jan. 20.
 Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill., Grille. 2,625,874, Jan. 20.
 Ketcham, Charles E., South Gate, Calif., Draft preventing attachment for doors. 2,625,718, Jan. 20.
 Klefer, William C., Green Village, assignor to Bel-Ray Company, Inc., Madison, N. J., Automatic lubricator for moving conveyor chains and other moving mechanisms. 2,626,016, Jan. 20.
 Kimberlin, Charles N., Jr., and E. M. Gladrow, Baton Rouge, La., assignors to Standard Oil Development Company, Catalytic cracking of hydrocarbons in the presence of added gaseous olefins. 2,626,233, Jan. 20.
 King, William R., Longview, Tex., Starter for internal combustion engines. 2,625,923, Jan. 20.

Kingsley, Lewis A., Los Angeles, Calif., Foli handling mechanism for stamping machines. 2,625,763, Jan. 20.
 Kingston Products Corporation, assignee: See—
 Richards, Wayne V.
 Kirwin, John, Crystal Lake, Ill., Testing device for flash cameras. 2,625,863, Jan. 20.
 Kiseby, Roy D., San Francisco, Calif., Brake unit. 2,626,019, Jan. 20.
 Klages, Reynold E., assignor to The Columbus Auto Parts Company, Columbus, Ohio, Making a two-part ball construction. 2,625,736, Jan. 20.
 Klein, Norman E., Clemons, assignor to Deering Milliken Research Trust, Pendleton, S. C., Twisting device for textile strands. 2,625,786, Jan. 20.
 Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo., Diaphragm device. 2,625,954, Jan. 20.
 Klippel Valves Inc., Division of Hamilton-Thomas Corp., assignee: See—
 McCarthy, Elmer T.
 Knapp-Monarch Company, assignee: See—
 Huck, Alfred J.
 Knights, James, Company, The, assignee: See—
 Holmbeck, John D.
 Knott, Charles W., assignor of forty-four per cent to F. T. Harsh, five per cent to J. D. Harsh, and five per cent to F. T. Harsh, Jr., Santa Barbara, Calif., Copyholder. 2,625,908, Jan. 20.
 Knowles, Norman W., Guilford, Conn., Toothbrush holder. 2,626,199, Jan. 20.
 Koenig, Martin F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., Electric switch. 2,626,334, Jan. 20.
 Koepke, William F., San Francisco, Calif., Electric outlet circuit indicator. 2,625,759, Jan. 20.
 Kofort, August: See—
 Merley, Sylvan R., and Kofort.
 Kollmorgen Optical Corporation, assignee: See—
 Rawlings, John L.
 Kollock, George J., Atlanta, Ga., Photographic slide ejector-receptacle. 2,626,197, Jan. 20.
 Koppenwallner, Georg: See—
 Crämer, Helmut G., and Koppenwallner.
 Koppers Company, Inc., assignee: See—
 Tatterson, Benjamin F.
 Kraft, Joseph K.: See—
 Wallace, James M., Edwards, and Kraft.
 Krauss, Carl, Chicago, Ill., Air circulating and conditioning unit. 2,626,136, Jan. 20.
 Krueger, Roland F., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif., Electric logging with oil base drilling fluids. 2,626,305, Jan. 20.
 Kuljian Corporation, The, assignee: See—
 Kuljian, Harry A.
 Kuljian, Harry A., Marlon, assignor to The Kuljian Corporation, Philadelphia, Pa., Thread processing reel having liquid applying and liquid removing means. 2,625,811, Jan. 20.
 Kutzer, Henry A., Chicago, Ill., Safety device for motor vehicles with automatic transmissions. 2,626,003, Jan. 20.
 Kuzela, Joseph F.: See—
 Earle, Ralph H., Kusela, and Schults.
 Lake, Irving A., Mount Vernon, N. Y., assignor to Oratjet Corporation, Wilmington, Del., Hose coupling. 2,626,167, Jan. 20.
 Lamar, Charles C., assignor to Harper-Wyman Company, Chicago, Ill., Gas burner flash tube ignition apparatus. 2,625,993, Jan. 20.
 Lamb, George E., Hoquiam, Wash., Vertical conveyor. 2,626,040, Jan. 20.
 Lambrecht, Joseph A., South Charleston, W. Va., assignor to Union Carbide and Carbon Corporation, 3,5-dimethylphenoxyethanol, 4-chloro-3,5-dimethylphenoxyethanol and their use as systemic fungicides for plants. 2,626,227, Jan. 20.
 Lammiman, Lewis W., assignor to The De Villias Company, Toledo, Ohio, Spray gun valve. 2,626,122, Jan. 20.
 La Monira, Sebastian: See—
 Love, Herbert W., and La Monica.
 Landin, Carl A., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn., Electric switch. 2,626,335, Jan. 20.
 Landquist, Justus K., and G. J. Stacey, Blackley, England, assignors to Imperial Chemical Industries Limited, 1,4-quinoxaline-di-N-oxides. 2,626,256, Jan. 20.
 Laskowski, Stanley C.: See—
 Clinton, Raymond O., and Laskowski.
 Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., Baseball mitt. 2,625,686, Jan. 20.
 Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America, Making color-kinescopes, etc. 2,625,734, Jan. 20.
 Lawter, Curtis N.: See—
 Williams, Robert M., and Lawter.
 Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., Drill post. 2,626,023, Jan. 20.
 Leippe, Richard M., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., Torque balancing adjuster for electrical meters. 2,626,297, Jan. 20.

Leitch, John D., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, Combination of an electric switch and air core reactor for protecting electrical equipment from excessive fault currents. 2,626,377, Jan. 20.
 Leslie, John D.: See—
 Betts, Raymond L., and Leslie.
 Fell, William K., and Leslie.
 Lessard, Alfred M., Snoqualmie, Wash., Safety switch. 2,626,328, Jan. 20.
 Levesque, Marie A., Peabody, Mass., Cleaning oxide from oxidized molybdenum wire. 2,626,224, Jan. 20.
 Levinson, Harry: See—
 Stoner, George H., Becker, and Levinson.
 Levitt, Beryl L.: See—
 Weldon, John J., and Levitt.
 Levy, Ernest, Jr., Bronx, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn., Means for more easy starting of inverters at light loads. 2,626,378, Jan. 20.
 Lewis, Howard B., and H. Field, Jr., Los Angeles, Calif., Centrifugal servo clutch. 2,626,033, Jan. 20.
 Lewis, Neilson W., assignor of forty per cent to A. McLachlen, Washington, D. C., Power transmission system. 2,625,841, Jan. 20.
 Libbey-Owens-Ford Glass Company, assignee: See—
 Wampler, Roy W., and Browne.
 Littjohann, Joseph M., Des Moines, Iowa, Poultry suspending device. 2,625,707, Jan. 20.
 Lincoln Engineering Company, assignee: See—
 Klein, Victor G.
 Lindemann, A. J., and Hoverson Company, assignee: See—
 Gappa, William L., and Buerli.
 Link, Le Roy J., Reading, Pa., Perforated ribbon mounting for electrical conductors. 2,626,303, Jan. 20.
 Linotype and Machinery Limited, assignee: See—
 Spence, Fred.
 Lissance, Alexander: See—
 Lissiansky, Alexander.
 Lissiansky, Alexander, New York, N. Y., now by change of name, A. Lissance, Phonograph record demonstrator. 2,626,158, Jan. 20.
 Lockhart, Sadie, executrix, assignee: See—
 Lockhart, William.
 Lockhart, William, deceased, Cleveland, Ohio; S. Lockhart, executrix, assignor to S. Lockhart, Closure locking ring for containers. 2,625,721, Jan. 20.
 Lockwood, Louis H., Rochester, assignor to Armstrong Cork Company, Lancaster, Pa., Mold structure. 2,625,710, Jan. 20.
 Lokey, A. L., assignee: See—
 Dean, Paul E.
 Lombard, Charles F.: See—
 Roth, Herman P., and Lombard.
 Long, Robert H., Brooklyn Village, assignor to The Harshaw Chemical Company, Cleveland, Ohio, Anode package. 2,626,046, Jan. 20.
 Long, Vietta E.: See—
 Green, Wesley R., and Long.
 Lott, William A., Maplewood, and E. Pribyl, New Brunswick, N. J., assignors to Mathieson Chemical Corporation, New York, N. Y., Alkadienyl pyridyl and phenyl alkylene diamines, and preparing same. 2,626,262, Jan. 20.
 Love, Herbert W., Coventry, and S. La Monica, Avon, Conn., Friction heat generator. 2,625,929, Jan. 20.
 Love, Robert M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., Sweetening hydrocarbons. 2,626,232, Jan. 20.
 Lowe, Ralph H., Dayton, Ohio, Mechanism for use in stock feeding devices. 2,625,832, Jan. 20.
 Lowry, Raymond G., Pontiac, Mich., Pin spotter for miniature bowling games. 2,626,154, Jan. 20.
 Lumly, Thomas M., Tulsa, Okla., Fluid heating apparatus. 2,625,918, Jan. 20.
 Lunas, Lawrence J.: See—
 Young, Douglas A., Lunas, and Nyca.
 Lundal, Ingie J., and E. P. Robichaux, assignors to Cherry-Burrell Corporation, Chicago, Ill., Butter oil process. 2,626,217, Jan. 20.
 MacDonald, Richard A.: See—
 Mann, Ralph C., and MacDonald.
 MacFarland, Allison M., Cleveland, assignor to General Dry Batteries, Inc., Lakewood, Ohio, Dry cell battery. 2,626,295, Jan. 20.
 MacKinnon, George G., Guilford, Maine, Electric hand grease gun. 2,626,085, Jan. 20.
 MacMillan, Ronald, Windsor, Ontario, Canada, Back rest for planklike seats. 2,625,988, Jan. 20.
 Macro, David A., Sheridan, N. Y., Oil filter. 2,626,056, Jan. 20.
 Macy, James C., Cranford, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa., Electrical connector. 2,626,168, Jan. 20.
 Magaro, Robert L., Marysville, Pa., Safety lock for firearms. 2,625,785, Jan. 20.
 Magnus, Finn H., Essex, Feils, N. J., Bubble-blowing and sound-producing toy. 2,625,768, Jan. 20.
 Magnuson, Roy M., Campbell, Calif., Quick-freeze method and apparatus. 2,625,805, Jan. 20.
 Magnusson, Eskil A. B., Stockholm, Sweden, Face protector. 2,625,684, Jan. 20.
 Maguire, John J.: See—
 Flint, Perley G., and Maguire.
 Maher, Joseph L.: See—
 Glasgow, Clarence O., and Maher.

Makepeace, D. E., Company, assignee: See—
 Spooner, Howard E.
 Malblot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Packaging machine and method of packaging. 2,625,777, Jan. 20.
 Malm, William A. B., New Orleans, La. Radio-frequency filter. 2,626,317, Jan. 20.
 Mann, Julius W., Stellacom Lake, Wash. Patch gluer utilizing high-frequency electricity. 2,625,966, Jan. 20.
 Mano, Ralph C., Van Nuys, and R. A. MacDonald, Gardena, Calif., said MacDonald assignor to said Mann. Apparatus for uniting a plurality of metal parts by melting metal. 2,625,897, Jan. 20.
 Manzano, Heinrich: See—
 Hönel, Herbert, and Manzano.
 Mansella, Joseph, Lindenhurst, N. Y. Bobbin holder. 2,626,062, Jan. 20.
 Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson Jones Company, Chicago, Ill. Envelope and support clip therefor. 2,625,935, Jan. 20.
 Marek, Frank, Phoenix, Ariz. Drive mechanism for soil sampling apparatus. 2,625,835, Jan. 20.
 Markuse, David L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic alternating current amplifier. 2,626,324, Jan. 20.
 Marlow, John C., Mankato, Minn. Delayed-action pulsator valve. 2,625,848, Jan. 20.
 Mara-Hall, Incorporated, assignee: See—
 Marshall, Richard C.
 Marshall, Richard C., assignor to Mara-Hall, Incorporated, Kansas City, Mo. Separator for cartridge cartons. 2,626,077, Jan. 20.
 Martine, Chester E., Teaneck, assignor to Specialties Development Corporation, Belleville, N. J. Apparatus for detecting suspended matter in fluids. 2,626,381, Jan. 20.
 Mason, Kolehmainen, Rathbun & Wyss, assignee: See—
 Appleman, Leon H.
 Masters, Edwin L., Benton Harbor, Mich. Calibrated fertilizer spreader adjustment. 2,626,083, Jan. 20.
 Matheson Chemical Corporation, assignee: See—
 Lott, William, and Pribyl.
 Maule, Trebor C.: See—
 Slyter, Louis R., and Maule.
 Mavor & Conison, Limited, assignee: See—
 Sproul, John C.
 Towler, John M.
 Maxwell, Wilber A., Houston, Tex., and J. A. Engstrand, assignors to Grant Oil Tool Company, Los Angeles, Calif. Tool for hydraulically displacing well materials. 2,626,177, Jan. 20.
 May, Edward M., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich. Hydraulic apparatus, including a drive motor and automatic control means for the motor. 2,625,912, Jan. 20.
 Maynard, John T.: See—
 Miller, William T., and Maynard.
 McAlpine, Lawrence W., Savannah, Ga., assignor of one-half to L. A. McAlpine, Portsmouth, Va. Hydraulic link in brake mechanism. 2,626,021, Jan. 20.
 McAlpine, Louis A., assignee: See—
 McAlpine, Lawrence W.
 McCarthy, Denis, and A. D. F. Smith, assignors to Rolla-Royce Limited, Derby, England. Flame tube having telescoping walls with fluted ends to admit air. 2,625,792, Jan. 20.
 McCarthy, Elmer T., Hamilton, Ohio, assignor to Klipsfel Valve Inc., Division of Hamilton-Thomas Corp. Sealed toggle valve operating mechanism. 2,626,124, Jan. 20.
 McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Means for combining frequencies. 2,626,357, Jan. 20.
 McClelland, Arthur J., Holley, A. L. Zambito, and S. J. Minnecl, Albion, N. Y. Bag-filling machine with adjustably mounted article guide rails. 2,626,094, Jan. 20.
 McColl, Thomas P., Troy, assignor, by means assignments, to Chas. Brown Display Inc., New York, N. Y. Sign holding device. 2,625,782, Jan. 20.
 McConnaughey, Walter H., Washington, D. C. Envelope fastener means. 2,626,097, Jan. 20.
 McDonnell Aircraft Corporation, assignee: See—
 Neikirk, Edwin P., and Iso.
 McEwan, James, San Jose, Calif. Saw sharpener. 2,625,842, Jan. 20.
 McGee, John W., North Tonawanda, N. Y. Antenna mast. 2,626,353, Jan. 20.
 McGraw Electric Company, assignee: See—
 Earle, Ralph H., Kusela, and Schultz.
 Petersen, Clifford W.
 Melville, Robert L., Glencoe, assignor, by means assignments, to Herbert Simpson Corporation, Chicago, Ill. Molders station and screen. 2,626,053, Jan. 20.
 McIntyre, Roger, Erie, Pa., assignor to General Electric Company. Compressed air supply system. 2,626,100, Jan. 20.
 Melachien, Archibald, assignee: See—
 Lewis, Neilson W.
 McQuay-Norris Manufacturing Company, assignee: See—
 Persons, Lawrence M.
 Meco-Pilot Manufacturing Company, assignee: See—
 May, Edward M.
 Meiners, Carl O., Oldenburg, Germany. Illuminating means for spinning and twinlog machines. 2,625,785, Jan. 20.
 Meletti, Adolph: See—
 Tamarin, Bernard J., and Meletti.

Mellita, Sebastiano, assignor of one-half to K. H. Voellm, Philadelphia, Pa. Bridge for bass violins. 2,625,849, Jan. 20.
 Merley, Sylvan R., Riverton, and A. Kofot, Bellmawr, N. J., assignors, by means assignments, to Cities Service Research and Development Company, New York, N. Y. Oxidation of petroleum fractions. 2,626,277, Jan. 20.
 Merrill, Albert H., Los Angeles, Calif. Problem teaching device using answer blocks. 2,625,750, Jan. 20.
 Meryman, Harold T., assignor to Canal Industrial Company, Cabin John, Md. Electron microscope focusing device. 2,626,358, Jan. 20.
 Metallgesellschaft Aktiengesellschaft, assignee: See—
 Schlepper, Karl.
 Metager, Charles S., Rochelle Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic premeshing mechanism. 2,625,826, Jan. 20.
 Michalak, Stanley, Grand Rapids, Mich. Piston cylinder apparatus. 2,625,910, Jan. 20.
 Mierley, George M., Havertown, and J. N. Schlatter, Philadelphia, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus with air-cooling means. 2,625,793, Jan. 20.
 Milkwick, Clifford F.: See—
 Elde, Ole J., Johnson, and Milkwick.
 Millendorf, Alfred J.: See—
 Naragon, Ernest A., Vergilio, and Millendorf.
 Miller, Albert: See—
 Miller, Carl F., and A.
 Miller, Carl F. and A., Orchard Park, N. Y. Apparatus for refining used lubricating oil. 2,626,229, Jan. 20.
 Miller, Clarence R., Peoria, Ill. Tension testing device for the upper and lower threads of lock-stitch sewing machines. 2,625,819, Jan. 20.
 Miller, Clarence W.: See—
 Eklund, Henrik J., and Miller.
 Miller, Earl M., Euclid, assignor to M. Freedman, Cleveland, Ohio. Coffee maker. 2,626,342, Jan. 20.
 Miller, George R., Jr., East Hempfield Township, Lancaster County, and A. W. Weldner, York, assignors to Armstrong Cork Company, Lancaster, Pa. Venting closure and liner therefor. 2,626,073, Jan. 20.
 Miller, James I., Castle Point, N. Y. Golf practice target device. 2,626,152, Jan. 20.
 Miller, Stuart C., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Torpedo launching device. 2,625,899, Jan. 20.
 Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Self-closing valve. 2,625,953, Jan. 20.
 Miller, William H., assignor to Cloverleaf-Freeland Corporation, Hazelton, Pa. Bobbin or spool. 2,626,113, Jan. 20.
 Miller, William M., North Hollywood, Calif. Lawn edge trimmer and cultivator. 2,625,871, Jan. 20.
 Miller, William T., and J. T. Maynard, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Polymerizing trifluorochloroethylene. 2,626,254, Jan. 20.
 Minneapolis-Honeywell Regulator Company, assignee: See—
 Alderson, Ross C.
 Markusen, David L.
 Nickells, Stanley W.
 Schmitt, Henry M.
 Side, Frederick W.
 Voss, Walter W.
 Whitehead, Robert C., Jr., and West.
 Minnecl, Samuel J.: See—
 McClelland, Arthur J., Zambito, and Minnecl.
 Miracolor Ltd., assignee: See—
 Schwerin, Andre K.
 Mitchell, Louis O., Arlington, assignor to Trans-Sonics, Inc., Bedford, Mass. Measuring device. 2,626,337, Jan. 20.
 Mitchell, Louis O., Arlington, assignor to Trans-Sonics, Inc., Bedford, Mass. Measuring device. 2,626,338, Jan. 20.
 Moe, Valerie T., Anacosta, Mont. Shortening measuring cup. 2,625,824, Jan. 20.
 Moeller, William C., assignor to Parmelee Plastics Company, Kansas City, Mo. Goggle assembly. 2,625,685, Jan. 20.
 Monsanto Chemical Company, assignee: See—
 Ingram, Joseph R.
 Montero, Tony O., Loomis, Calif. Cow stanchion. 2,625,907, Jan. 20.
 Moore, James H., Swampscott, assignor to National Research Corporation, Middlesex County, Mass. Vacuum casting apparatus. 2,625,719, Jan. 20.
 Moore, Jay C., Fredonia, Pa. Grinding machine. 2,625,772, Jan. 20.
 Moore, Raymond W.: See—
 Harder, Edwio L., Greenwood, Moore, and Stringer.
 Morgan, Albert M., and A. G., Roseman, Mont. Combination seat and rack support. 2,625,865, Jan. 20.
 Morgan, Alpha G.: See—
 Morgan, Albert M., and A. G.
 Morgan, John F., assignor to Fullerform, Inc., Tullieson, Ariz. Ditch forming plow. 2,625,754, Jan. 20.
 Morrell, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Production of compounds for fuel mixtures. 2,626,209, Jan. 20.

Morrow, John H., and S. J. Fenyvessy, Chicago, Ill., said S. J. Fenyvessy, now by change of name S. J. Fenyvessy, assignors of one-third to E. A. Johnson, Park, Ridge, Ill. Fluid applicator, including movable wick and roller. 2,625,701, Jan. 20.
 Morway, Arnold J.: See—
 Sparks, William J., Morway, and Young.
 Moss, Jacques L., Detroit, Mich. Side extension for cribs and the like. 2,625,694, Jan. 20.
 Motorola, Inc., assignee: See—
 Winkler, Marion R.
 Mouron, B. Deleray, assignee: See—
 Sherwood, Robert C., Cunningham, Walgamott, and Urban.
 Mullan, Joseph, Baltimore, Md. Ejecting key container. 2,625,814, Jan. 20.
 Muller, Robert M., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Telecentric objective. 2,625,856, Jan. 20.
 Multi Shingle Corporation, assignee: See—
 Patterson, Robert.
 Mumma, Harold J., Riverside, Calif., assignor to Food Machinery and Chemical Corporation. Ink pump. 2,625,885, Jan. 20.
 Murray Corporation of America, The, assignee: See—
 Gould, Byron C.
 Murray, D. J., Manufacturing Co., assignee: See—
 Eklund, Henrik J., and Miller.
 Musslewhite, Alton P., and J. W. Arp, Tex. Atmosphere-type emulsion treaters. 2,626,007, Jan. 20.
 Musslewhite, James W.: See—
 Musslewhite, Alton P., and J. W.
 Nagel, Edward H., assignor to C. F. Norris, Long Beach, Calif. Doughnut cutter and former. 2,625,891, Jan. 20.
 Nakken Products and Development Co. Inc., assignee: See—
 Nakken, Theodore H.
 Nakken, Theodore H., New York, N. Y., assignor to Nakken Products and Development Co. Inc. Injector nozzle. 2,626,186, Jan. 20.
 Napollin, Seymour, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Apparatus for determining time intervals. 2,626,313, Jan. 20.
 Naragon, Ernest A., Glenham, J. H. Vergilio, and A. J. Millendorf, Beacon, assignors to The Texas Company, New York, N. Y. Regenerating cobalt catalysts by oxidation. 2,626,246, Jan. 20.
 Nassimbene, Ernest, assignor to The Gates Rubber Company, Denver, Colo. Cog type V belt. 2,625,828, Jan. 20.
 Nathan Manufacturing Corp., assignee: See—
 Erikson, Carl F.
 National Aluminate Corporation, assignee: See—
 Jacoby, Arthur L.
 National Distillers Products Corporation, assignee: See—
 Warren, Kenneth H.
 National Lead Company, assignee: See—
 Blumenthal, Warren B.
 National Malleable and Steel Castings Company, assignee: See—
 Bucklus, Albert O.
 National Motor Bearing Co., Inc., assignee: See—
 Johnson, Lloyd A., Helfrecht, and Stewart.
 National Research Corporation, assignee: See—
 Moore, James H.
 National Starch Products Inc., assignee: See—
 Caldwell, Carlyle G., White, George, and Eberl.
 National Steel Corporation, assignee: See—
 Spaulding, William D., and Wasserkrug.
 National Tank Company, assignee: See—
 Glasgow, Clarence O., and Maher.
 Navy, United States of America as represented by the Secretary of the, assignee: See—
 Alvares, Luis W.
 Miller, Stuart C.
 Schmitt, Otto H.
 Stedman, Cecil K., and Smith.
 Needman, Barney, Chicago, Ill. Display stand with alarm system. 2,626,388, Jan. 20.
 Neikirk, Edwin P., Ferguson, and J. Iso, Jr., Overland, assignors to McDonnell Aircraft Corporation, St. Louis, Mo. Flame holder and fuel nozzle supporting mechanism for ram jet engines. 2,625,788, Jan. 20.
 Newbury, Paul L.: See—
 Cheek, Robert C., and Newbury.
 New Holland Machine Division of the Sperry Corporation, The, assignee: See—
 Nolt, Edwin B.
 Nichols, Nathaniel B., assignor to Taylor Instrument Companies, Rochester, New York, N. Y. Digital indicating arrangement for measuring systems. 2,625,822, Jan. 20.
 Nicholson, James W., Bellingham, Wash. Sleeping bag made of paper. 2,625,695, Jan. 20.
 Nickel, Willard T.: See—
 Jorgensen, Clarence H., Nickel, Dietrich, and Worden.
 Nickells, Stanley W., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 2,626,379, Jan. 20.
 Niles-Bement-Pond Company, assignee: See—
 Tapley, Gordon P.
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Nisbet, Alexander R., Sr., San Angelo, Tex. Fiber transfer and cleaning means. 2,625,713, Jan. 20.
 Nobles, Charles E., Oaklee Village, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Airborne radio relay and broadcast system. 2,626,348, Jan. 20.
 Nolt, Edwin B., assignor to The New Holland Machine Division of the Sperry Corporation, New Holland, Pa. Automatic slack take-up mechanism. 2,625,829, Jan. 20.
 Nordberg, Ernst A.: See—
 Echlin, John E., Nordberg, and Sambrook.
 Normandy Chemical Corporation, assignee: See—
 Wagner, George B.
 Norris, Coma F., assignee: See—
 Nagel, Edward H.
 North American Aviation, Inc., assignee: See—
 Atwood, John L., and Gordon.
 Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tatch-Lash Company, New York, N. Y. Dual pivot catch. 2,626,170, Jan. 20.
 Novadel-Agene Corporation, assignee: See—
 Patch, Arthur H., and Booth.
 Novak, Isador J., Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Asbestos dispersion and forming same. 2,626,213, Jan. 20.
 Novo Terapeutisk Laboratorium A/S, assignee: See—
 Petersen, Karl.
 Noll, Leroy S., and M. T. Sharrats, Norfolk, Va. Metal clip-on safety toe. 2,625,753, Jan. 20.
 Nyca, Joseph C.: See—
 Young, Douglas A., Lunas, and Nyca.
 Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Locator for fish. 2,625,708, Jan. 20.
 Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Locating fish for beheading. 2,625,708, Jan. 20.
 Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Pre-feed table and conveyor for fish dressing machine. 2,626,037, Jan. 20.
 Oert, Lawrence R., assignor to Industrial Manufacturers Ltd., Los Angeles, Calif. Liquid distributor for cooling apparatus. 2,626,129, Jan. 20.
 O'Brien, Victor B., and E. B. Robertson, Alhambra, Calif. Combination flashlight, gun, and billy. 2,625,764, Jan. 20.
 O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Receiving apparatus for radio-frequency navigation systems. 2,626,391, Jan. 20.
 O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio direction indicating system. 2,626,392, Jan. 20.
 Ohio Boxboard Company, The, assignee: See—
 Hicklin, Robert J.
 Olson, Robert W., Dallas, Tex., assignor to "Texas Instruments Incorporated." Variable resistance distributed telemeter. 2,626,381, Jan. 20.
 Ople, John, Riverside, Ill. Sugar sanding machine for confections and the like. 2,625,903, Jan. 20.
 Oppenauer, Rupert, Buenos Aires, Argentina. Device for measuring the viscosity of liquids. 2,625,817, Jan. 20.
 Orat Corporation, assignee: See—
 Lake, Irving A.
 Osborne, Fay H., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn. Paper from long synthetic fibers and partially water soluble sodium carboxymethylcellulose and method. 2,626,214, Jan. 20.
 Osborne, Wiley W., Fort Lauderdale, Fla. Sling shot magazine. 2,625,925, Jan. 20.
 Osear, Ernest J., Minneapolis, Minn. Powdered and granulated material container with self-closing dispensing valve. 2,626,089, Jan. 20.
 Owens, Elmer H., Tarpon Springs, Fla. Safety device for hydraulic brakes. 2,625,951, Jan. 20.
 Packard Motor Car Company, assignee: See—
 Williams, Robert M., and Lawter.
 Page, Irving H., Silver Spring, Md. Interference eliminating circuits. 2,626,349, Jan. 20.
 Pan, Wen Y., Merchantville, N. J., assignor to Radio Corporation of America. Phase inverter circuits. 2,626,321, Jan. 20.
 Parker Appliance Company, The, assignee: See—
 Day, Clarence P.
 Parker, Robert N., assignee: See—
 Parker, William W.
 Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Filament structure for electron discharge device. 2,626,370, Jan. 20.
 Parker, William W., assignor to W. W. Parker, Jr., and R. N. Parker, Newport News, Va. Agitating apparatus for tray ice-cream freezers. 2,626,134, Jan. 20.
 Parker, William W., Jr., assignee: See—
 Parker, William W.
 Parmelee Plastics Company, assignee: See—
 Moeller, William C.
 Patch, Arthur H., Glen Ridge, and G. M. Booth, Westfield, assignors to Novadel-Agene Corporation, Belleville, N. J. Barrel cooling apparatus. 2,625,804, Jan. 20.

Patch, Arthur H., Glen Ridge, assignor to Novadel-Agenc Corporation, Bensenville, N. J. Dispensing-type barrel enclosure. 2,620,200, Jan. 20.

Patterson, Edgar W., Downey, Calif. Frangible piston ring. 2,620,193, Jan. 20.

Patterson, Robert, assignor to Multi Shingle Corporation, Memphis, Tenn. Insulated shingle producing machine. 2,620,978, Jan. 20.

Pattinson, Charles B., Jr.: See—
Brandes, Oliver L., and Pattinson.

Paxton, Stephen J.: See—
Renaud, Frank N., Jr., and Paxton.

Peacock, George W., Sr.: See—
Peacock, Thomas W., and G. W. Peacock, Sr.

Peacock, Thomas W., and G. W. Peacock, Sr., assignors to Florida Land Clearing Equipment Company, Jacksonville, Fla. Root rake shoe. 2,625,870, Jan. 20.

Pease, C. F. Company, The, assignee: See—
Cornwell, David R. L., and Talni.

Talni, John.

Pederson, Clarence E., Albuquerque, N. Mex. Universal inspection brake drum. 2,625,818, Jan. 20.

Persone, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Feed control for paper filters. 2,626,012, Jan. 20.

Persson, Eric S., Malmö, Sweden. Sash of metal profiles for windows and doors. 2,626,024, Jan. 20.

Petersen, Clifford W., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Electrical discharge device of the arc expulsion type. 2,626,368, Jan. 20.

Petersen, Karl, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark. Producing crystalline insulin. 2,626,228, Jan. 20.

Peterson, Clarence J., Watsonville, Calif., assignor to Bank of America National Trust and Savings Association. Paper feeding mechanism for box wrapping machines. 2,625,779, Jan. 20.

Peterson, Garfield E.: See—
Baudry, René A., and Peterson.

Petrie, James A., Littleover, assignor to Rolla-Royce Limited, Derby, England. Rotary fluid machine assembly. 2,625,790, Jan. 20.

Petroponos, John C., South Norwalk, and L. E. Cadwell, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Surface coating composition and preparing the same. 2,626,230, Jan. 20.

Petty, Olive S., assignee: See—
Hasbrook, Arthur F.

Phileo Corporation, assignee: See—
Barnett, Guy F., and Chudleigh.

Phillips, Charles S., London, England. Padded metal article. 2,625,931, Jan. 20.

Phillips Petroleum Company, assignee: See—
Becker, Louis C.

Crouch, Willie W., Werkman, and Fanning, Ronayne, Leo J., assignors to Phillips Petroleum Company, assignee: See—
Wagner, Cary R., Aze, and Himel.

Phillips Tutch-Latch Company, assignee: See—
Nottingham, Ralph K.

Pigeon-Hole Parking, Inc., assignee: See—
Sanders, Leo K., and V. A.

Pings, Wilbur B.: See—
James, Raymond W., and Pings.

Pittsburgh Plate Glass Company, assignee: See—
Frelberg, James M.

Plester, Joseph, Coventry, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Baginton, Coventry, England. Tool for shaving down local protuberances. 2,625,860, Jan. 20.

Pokras, Harry, Los Angeles, assignor of one-half to E. Epstein, North Hollywood, Calif. Fishing lure. 2,625,787, Jan. 20.

Polansky, Irvin J.: See—
Bulmash, Albert, Polansky, and Irby.

Polivka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Beverage pot with insulated cover handle. 2,626,088, Jan. 20.

Pond, Kenneth H., and F. Rogers, Springfield, Mass. Rolling stool having means to lock it against rolling. 2,625,989, Jan. 20.

Poor, Carrie E., executrix: See—
Poor, Fred M.

Poor, Fred M., deceased, Seattle, Wash.; C. E. Poor, executrix. Vertical combustion accelerating grate. 2,625,894, Jan. 20.

Poort, Henry H., and J. H. Shaver, Grand Haven, Mich., assignors to Dake Engine Company. Hydraulic eductor valve. 2,625,797, Jan. 20.

Powell, Wilson M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Beam extractor. 2,626,351, Jan. 20.

Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Meter for industrial liquids. 2,625,914, Jan. 20.

Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Automatic repeating predetermined stop mechanism. 2,626,104, Jan. 20.

Prey, Dorothy A., Jackson, Mich. Lipstick shaper. 2,625,943, Jan. 20.

Priddy, Edward: See—
Lott, William, and Prithyl.

Procter & Gamble Company, The, assignee: See—
Brod, John S., and Henry.

Proctor Electric Company, assignee: See—
Stevenson, Robert O., and Turner.

Progress Spring Bed Limited, assignee: See—
Raginsky, Harry.

Protection, Inc., assignee: See—
Roth, Herman P., and Lombard.

Pugh, Elbert L., assignee: See—
Kennedy, Garland C.

Pugh, Julian A., assignee: See—
Kennedy, Garland C.

Pugh's Super Market, assignee: See—
Kennedy, Garland C.

Pullen, Marvin F., Portland, Oreg. Divider for cheese molds. 2,625,877, Jan. 20.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Double element setback lock. 2,625,881, Jan. 20.

Raby, James O., Elizabeth City, N. C. Brake lever actuated oil level indicator. 2,626,388, Jan. 20.

Radio Corporation of America, assignee: See—
Bergson, Gustav.

Duke, Vernon J., Law, Harold B., Pan, Wen Y., Parker, William N., Serrell, Robert, and Goldberg.

Siskial, George C.

Torre, Alton J.

Raettig, Adele S., Hoboken, N. J. Circle squarer. 2,625,740, Jan. 20.

Raginsky, Harry, assignor to Progress Spring Bed Limited, Montreal, Quebec, Canada. Sofa bed hinge. 2,625,893, Jan. 20.

Raskin, Leon, Brooklyn, N. Y. Heat exchanger device. 2,626,130, Jan. 20.

Rasmussen, Robert, Detroit, Mich. Alternate tipping valve. 2,626,066, Jan. 20.

Rawlings, John L., Elmont, assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Reticle mount and adjusting mechanism. 2,625,742, Jan. 20.

Rawlings Manufacturing Company, assignee: See—
Latina, Harry B.

Raybestos-Manhattan, Inc., assignee: See—
Novak, Isador J.

Raytheon Manufacturing Company, assignee: See—
Spencer, Percy L.

Redington, F. R., Co., assignee: See—
Malblot, Clarence J.

Reed, Claude, Omaha, Nebr. Mixing device for frozen confections. 2,626,132, Jan. 20.

Reed, Claude A., Omaha, Nebr. Apparatus for processing frozen comestibles. 2,626,133, Jan. 20.

Reed, Mary E., assignee: See—
Reed, Russell O.

Reed Roller Bit Company, assignee: See—
Boice, Elvin G.

Elliot, Charles H.

Reed, Russell O., assignor of one-half to M. E. Reed, Estacada, Oreg. Adjusting gate for fish ladders. 2,625,798, Jan. 20.

Reeves, Frank H., assignee: See—
Anderson, Richard E.

Reguliti, Ariatide, Agnosine Brescia, Italy. Portable garment supporting and stretching device. 2,626,091, Jan. 20.

Reimann, Henry F., Ashton, Idaho. Centrifugal air cleaner for internal-combustion engines. 2,626,013, Jan. 20.

Reiner, Irving, New York, N. Y. Electric clock. 2,625,787, Jan. 20.

Renand, Frank N., Jr., Detroit, and S. J. Paxton, Hazel Park, Mich. Trunk lid and ornamental attachment therefor. 2,626,181, Jan. 20.

Renaud, Harold E., assignor to Renaud Plastics, Inc., Lansing, Mich. Templet. 2,625,748, Jan. 20.

Renaud Plastics, Inc., assignee: See—
Renaud, Harold E.

Reno, Michael W., and J. E. Dougherty, Philadelphia, Pa. Cake holder for dyeing apparatus. 2,625,810, Jan. 20.

Renwal Manufacturing Co., Inc., assignee: See—
Rosenbloom, Irving.

Resistoflex Corporation, assignee: See—
Hiltov, Joseph J.

Revere Copper and Brass Incorporated, assignee: See—
French, John.

Rex, Walter A.: See—
Barr, Frank T., and Rex.

Reynolds, Charles H., Donora, Pa. Nonskid tire chain attachment. 2,625,876, Jan. 20.

Rhem, William F.: See—
Wetherington, Jesse B., and Rhem.

Rice, Price D., Washington, D. C. Utility frame or supporting unit. 2,626,118, Jan. 20.

Richards, Sidney L., Jr., assignor to Rosson-Richards Processing Co., Inc., Corpus Christi, Tex. Apparatus for applying coating material to pipe. 2,625,906, Jan. 20.

Richards, Wayne V., Union City, Mich., assignor to Kingston Products Corporation, Kokomo, Ind. Waterproof receptacle. 2,626,299, Jan. 20.

Richardson Company, The, assignee: See—
Keller, Charles L.

Richmond, Sam, Newtown, assignor to The Edwards Manufacturing Co., Cincinnati, Ohio. Burial casket. 2,626,731, Jan. 20.

Road, Richard A., and O. K. Coleman, West Lafayette, assignors to Duncan Electric Manufacturing Company, Lafayette, Ind. Heavy-duty meter facilities. 2,626,306, Jan. 20.

Robertson, Eldridge B.: See—
O'Brien, Victor B., and Robertson.

Robichaux, Roy P.: See—
Lundal, Ingie J., and Robichaux.

Rogers, Frederick: See—
Pond, Kenneth H., and Rogers.

Rollins, Leonard E., Denver, Colo. Hot water heating system. 2,626,107, Jan. 20.

Rolla-Royce Limited, assignee: See—
McCarthy, Denis, and Smith.

Petrie, James A.

Ronayne, Leo J., Borger, Tex., assignor to Phillips Petroleum Company. Bringing a newly charged catalytic reactor on stream. 2,626,288, Jan. 20.

Rose, Joseph R., Denver, Colo. Ice pick sheath. 2,626,092, Jan. 20.

Roselund, Harold A., assignor to C. W. Harwin Inc., Dayton, Ohio. Fluid stream and spray gun having a clean out pin. 2,626,185, Jan. 20.

Rosen, Bernard A., Baltimore, Md. Retractable lipstick holder. 2,626,048, Jan. 20.

Rosenbloom, Irving, Great Neck, assignor to Renwal Manufacturing Co., Inc., Mineola, N. Y. Toy gun with means for propelling toy bullets. 2,625,927, Jan. 20.

Ross, John R., assignor to International Newspaper Supply Corporation, Chicago, Ill. Pump for type casting. 2,625,720, Jan. 20.

Rosson-Richards Processing Co., Inc., assignee: See—
Richards, Sidney L., Jr.

Roth, Herman P., Manhattan Beach, and C. F. Lombard, South Pasadena, assignors to Protection, Inc., Los Angeles, Calif. Crash helmet. 2,625,683, Jan. 20.

Royal Electric Company, Inc., assignee: See—
Baensiger, Leonard N.

Rubenstein, Harry J., Kansas City, Mo. Display rack. 2,626,060, Jan. 20.

Rubin, Irve: See—
Fogel, Mortimer A., and Rubin.

Rudhart, Joseph A., Philadelphia, Pa. Adjustable indicator holder. 2,625,746, Jan. 20.

Rundell, Robert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Corporation. Filler feed for cigar machines. 2,625,936, Jan. 20.

Ruschmann, Henry F.: See—
Goetz, Henry G., and Ruschmann.

Russell, Francis R., Montalvide, N. J., assignor to Standard Oil Development Company. Polymerization in the presence of a fluid solid polymerization catalyst. 2,626,289, Jan. 20.

Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. Cam-acting tension device for frameless window screens. 2,625,995, Jan. 20.

Ry-Lock Company, Ltd., assignee: See—
Rust, David J., and Jensen.

Sabee, Reinhardt N., Appleton, Wis., assignor to International Cellulose Products Company, Chicago, Ill. Tissue interfolding method and apparatus. 2,626,145, Jan. 20.

Sachse, William E., Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Automatic filling scale. 2,626,121, Jan. 20.

St. Pierre, Eugene, assignor to Hemphill Company, Pawtucket, R. I. Knitting. 2,625,807, Jan. 20.

Sallabury, Peter F., Los Angeles, Calif. Blood transfer apparatus. 2,625,932, Jan. 20.

Sallabury, Peter F., Beverly Hills, Calif. Blood transfer mechanism. 2,625,933, Jan. 20.

Sambrook, Earl J.: See—
Echlin, John E., Nordberg, and Sambrook.

Sampson, Frederick W.: See—
Harris, Edward P., and Sampson.

Sampson, Julian E., St. Louis, Mo. Safety pin. 2,625,724, Jan. 20.

Samson, Julian E., St. Louis, Mo. Pin fastener. 2,625,725, Jan. 20.

Sanders, Leo K., and V. A., assignors to Pigeon-Hole Parking, Inc., Northport, Wash. Automobile parking elevator. 2,626,066, Jan. 20.

Sanders, Vaughn A.: See—
Sanders, Leo K., and V. A.

Sandhofer, Arthur: See—
Davis, James, and Sandhofer.

Sandhofer, Rena, administratrix: See—
Davis, James, and Sandhofer.

Saugen Derrick Co., assignee: See—
Saugen, Matthias F.

Saugen, Matthias F., assignor to Saugen Derrick Co., Chicago, Ill. Winch, hoist, and the like. 2,626,126, Jan. 20.

Sattler, Frank A., Pittsburgh, J. Swiss, Murrysville, and J. G. Ford, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resin and insulated products produced therewith. 2,626,223, Jan. 20.

Saunders, Paul B., Jr., Aurora, Ill. Transmission. 2,626,831, Jan. 20.

Scantlebury, Frank M., assignor to The Sponge Rubber Products Company, Shelton, Conn. Safety crash pad for vehicles. 2,626,163, Jan. 20.

Scardamalia, Theodore: See—
Avetta, Albert J., and Scardamalia.

Schalrer, Edward G., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for intensely working plastic materials. 2,625,709, Jan. 20.

Schlepper, Karl, Koppeln, assignor to Metallgesellschaft Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Apparatus for discharging ash from gas producers. 2,626,210, Jan. 20.

Schlottter, John N.: See—
Mierley, George M., and Schlottter.

Schmid, Walter, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring valve for centralized lubricating systems. 2,626,014, Jan. 20.

Schmidt, August M., Gary, Ind. Valve allencer and shock resistor unit. 2,625,919, Jan. 20.

Schmitt, Henry M., Glenside, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air motor controller with self-balancing potentiometer. 2,625,911, Jan. 20.

Schmitt, Otto H., Fort Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Magnetic investigation. 2,626,308, Jan. 20.

Schommer, Oliver J.: See—
Clark, John T., and Schommer.

Schultz, William G.: See—
Earle, Ralph H., Kusela, and Schultz.

Schumann, Robert T., Brooklyn, N. Y. Indicating instrument. 2,626,385, Jan. 20.

Schumm, Frederick R.: See—
Johnstone, Claude, and Schumm.

Schwartz, Lyle H.: See—
Eleher, William F., and Schwartz.

Schweikert, Edward W., New York, N. Y. Disappearing chair or stool for bars, counters, or the like. 2,625,984, Jan. 20.

Schwerin, Andre K., assignor to Miracol-E Ltd., Montreal, Quebec, Canada. Developing multilayer color films. 2,626,215, Jan. 20.

Sebald, Joseph F., Bloomfield, assignor to Worthington Corporation, Harrison, N. J. Method and apparatus for removal of ammonia in boiler feedwater systems. 2,626,005, Jan. 20.

Sebok, Frank: See—
Sebok, Joseph B., and F.

Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,626,010, Jan. 20.

Sebok, Joseph B., and F., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner, intake allencer, and carburetor housing unit. 2,626,009, Jan. 20.

Secor, Herbert W., Ballston Spa, N. Y., assignor to General Electric Company. Quenching device. 2,625,945, Jan. 20.

Secrist, Horace A., Dedham, assignor to The Kendall Company, Boston, Mass. Unwoven fabric. 2,625,733, Jan. 20.

Selas Corporation of America, assignee: See—
Bloom, Quentin M.

Selesnick, William: See—
Howard, Alfred S., and Selesnick.

Semple, Mildred P., Quincy, Mass. Making pastry. 2,625,893, Jan. 20.

Serner, Herbert E., Oakland, N. J. Mixing device. 2,626,135, Jan. 20.

Serrell, Robert, Princeton, and E. A. Goldberg, Princeton Junction, N. J., assignors to Radio Corporation of America. Polynomial equation solver. 2,626,103, Jan. 20.

Servais, Philip C.: See—
Hunter, Melvin J., and Servais.

Servel, Inc., assignee: See—
Bery, Norton E.

Simpson, Walter M.

Whitlow, Eugene P.

Sharata, Marguerite T.: See—
Noll, Leroy S., and Sharata.

Shaver, James H.: See—
Poort, Henry H., and Shaver.

Shell Development Company, assignee: See—
Talley, Samuel K., and Watson.

Whetstone, Richard R.

Wies, Calmy, Caron, and Glendenning.

Shepherd, Dean, West Allis, and H. J. Welch, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas burner formed by stacked annular members. 2,625,994, Jan. 20.

Shepherd, Irving L., Elyria, Ohio. Plastic plant label. 2,625,758, Jan. 20.

Sherman, Marvin H., Los Angeles, Calif. Case and trunk construction. 2,626,025, Jan. 20.

Sherman, Sol, New York, N. Y. Reversible necktie. 2,625,667, Jan. 20.

Sherwood, Robert C., West Hollywood, G. A. Cunningham, Arcadia, A. C. Walscott, North Redondo Beach, and J. C. Urban, North Hollywood, Calif., assignors, by mesne assignments, to said Sherwood and B. D. Mouron. Accelerator brake apparatus. 2,626,026, Jan. 20.

Siblo, Robert A.: See—
Van Over, Harlan C., and Siblo.

Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Galvanometer. 2,626,296, Jan. 20.

LIST OF PATENTEES

Sides, Augustus C., New York, N. Y. Phonograph record cabinet construction. 2,626,196, Jan. 20.

Sig, Bertram, New York, N. Y. Table for detachable connection to chairs. 2,625,986, Jan. 20.

Simjian, Luther G., Riverside, Conn. Pose-reflecting photographic apparatus. 2,625,857, Jan. 20.

Simpson, Clarence E., Wilbraham, Mass., assignor to the United States of America as represented by the Secretary of War. Quick-change barrel. 2,625,766, Jan. 20.

Simpson, Herbert, Corporation, assignee: See—McIlvaine, Robert L.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,803, Jan. 20.

Sinclair Refining Company, assignee: See—Watson, Kenneth M.

Singer Manufacturing Company, The, assignee: See—Zeller, Frederick F.

Sippel, Theodore C., Rock Hill, S. C., assignor to Edinburgh Corporation, Lanarburg, N. C. Loop warp tension-variable beat-up apparatus for terry looms. 2,625,956, Jan. 20.

Slyter, Louis R., and T. C. Maule, Tacoma, Wash. Combination rocking and swiveling chair. 2,625,983, Jan. 20.

Smith, Alan D. F.: See—McCarthy, Denis, and Smith.

Smith, Arthur D., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Receptacle dumping apparatus. 2,626,071, Jan. 20.

Smith Cannery Machines Company, assignee: See—Oates, Norford L.

Smith, Frederick H.: See—Stedman, Cecil K., and Smith.

Smith, George D., Brooklyn, N. Y. Atomizing oil burner and ignition means therefor. 2,625,990, Jan. 20.

Smith, Warren M., Baton Rouge, La., assignor to Standard Oil Development Company. Aqueous caustic treat of iso-octyl alcohol. 2,626,284, Jan. 20.

Smith, William W., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Apparatus for assembling storage battery elements. 2,626,038, Jan. 20.

Smits, Wytse B., Voorburg, assignor to Smitsvook N. V., Rijswijk, Netherlands. Surface discharge spark plug for low voltages and condenser discharge. 2,625,922, Jan. 20.

Smitsvook, N. V., assignee: See—Smits, Wytse B.

Snyder, Peter, Hamden, assignor of one-half to W. W. Grano, North Haven, Conn. Safety load bracing device for vehicles. 2,626,165, Jan. 20.

Societe La Cellophane (Suisse), assignee: See—Brandenberger, Jacques E.

Socony-Vacuum Oil Company, Incorporated, assignee: See—Willson, Robert C., Jr.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. t-Butylsilanes. 2,626,270, Jan. 20.

Sorensen & Company, Inc., assignee: See—Levy, Ernest, Jr.

Sorensen, Harold C., Manitowoc, Wis. Fire and burglar alarm. 2,625,902, Jan. 20.

Southard Enterprises Inc., assignee: See—Southard, Frank W.

Southard, Frank W., Freeport, assignor to Southard Enterprises Inc., Bellmore, N. Y. Anchor. 2,625,898, Jan. 20.

Sowa, Frank J., Cranford, N. J. Weed killer. 2,626,211, Jan. 20.

Sowa, Frank J., Cranford, N. J. Selective herbicidal composition. 2,626,212, Jan. 20.

Spallone, Louis B., Denver, Colo. Masonry pointing tool. 2,625,816, Jan. 20.

Spangler, Daniel H., Hamburg, Pa. Gear shift mechanism. 2,625,836, Jan. 20.

Sparks, William J., Westfield, A. J. Morway, Rahway, and D. W. Young, Roselle, N. J., assignors to Standard Company. Bentonite greases. 2,626,241, Jan. 20.

Spaulding, John D.: See—Hutchinson, Clarence L., Jr., and Spaulding.

Spaulding, William D., Steubenville, Ohio, and B. K. Wasserkrug, Weirton, W. Va., assignors to National Steel Corporation. Recovery of cyclopentadiene. 2,626,285, Jan. 20.

Specialties Development Corporation, assignee: See—Martinez, Chester E.

Speler, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosiloxylanes. 2,626,272, Jan. 20.

Spell, Perry W., Roseboro, N. C. Cotton-picking apparatus. 2,625,783, Jan. 20.

Spence, Fred, Sale, assignor to Linotype and Machinery Limited, London, England. Inking mechanism for printing machines. 2,625,879, Jan. 20.

Spencer, James, Toronto, Ontario, Canada. Manufacturing printing rollers. 2,626,222, Jan. 20.

Spencer, Lee, Phoenix, Ariz. Rail retaining structure. 2,626,108, Jan. 20.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Cavity resonator structure and tube employing the same. 2,626,372, Jan. 20.

Sperry, Wayne E., Naches, Wash. Combination tobacco holder and cigarette maker. 2,625,937, Jan. 20.

Sponge Rubber Products Company, The, assignee: See—Scantlebury, Frank M.

Spooner, Howard E., assignor to D. E. Makepeace Company, Attleboro, Mass. Making electrical contacts. 2,625,737, Jan. 20.

Sproul, John C., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Mining machine. 2,626,140, Jan. 20.

Stacey, Gilbert J.: See—Landquist, Justus K., and Stacey.

Standard Oil Company, assignee: See—Brown, Russell H.

Hart, Hal M.

Sachse, William E.

Standard Oil Development Company, assignee: See—Harr, Frank T., and Rex.

Betts, Raymond L., and Leslie.

Crookston, Robert R.

Cuningham, Mary E., and Beach.

Fell, William K., and Leslie.

Goronowski, Edward J.

Hibshman, Henry J.

Kimberlin, Charles N., Jr., and Gladrow.

Love, Robert M.

Morrell, Charles E.

Russell, Francis R.

Smith, Warren M.

Sparks, William J., Morway, and Young.

Sweetser, Sumner B.

Voorhies, Alexis, Jr., and Adams.

Standall Oil and Gas Company, assignee: See—Vandaveer, Roscoe F.

Stanton, John S., Claremont, Calif. Method and apparatus for assessing transient stresses within bodies. 2,625,850, Jan. 20.

Starkey, Neal E., Schenectady, N. Y., assignor to General Electric Company. Regulator for variable nozzles gas turbine power plants. 2,625,789, Jan. 20.

Starkweather, Lloyd C.: See—Davies, James R., and Starkweather.

Stedman, Cecil K., Watertown, and F. H. Smith, East Natick, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Microphone. 2,626,380, Jan. 20.

Stedman, James A., Cranston, R. I., assignor to Central Tool Company. Outside micrometer. 2,625,745, Jan. 20.

Steel Heddle Manufacturing Company, assignee: See—Kaufmann, John J.

Steely, Charles M., Hamburg, Pa. Vacuum brake for motor trucks. 2,625,909, Jan. 20.

Steen, James, and E. P. Conkey, Detroit, Mich. Self-sealing toy balloon. 2,625,770, Jan. 20.

Stein, Gerhard M., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Measurement of electrical winding temperatures. 2,625,821, Jan. 20.

Stephen, James, assignor to Highway Trailer Company, Edgerton, Wis. Adjustable spring suspension. 2,626,144, Jan. 20.

Stephens, George H.: See—Hammond, Laurens, and Stephens.

Sterling Drug Inc., assignee: See—Clinton, Raymond O., and Laskowski.

Sternfeld, Bernard, Brooklyn, N. Y. Typewriter line control attachment. 2,626,036, Jan. 20.

Steuby, John S., St. Louis, Mo. Self-centering caster mounting for aircraft landing wheels. 2,626,116, Jan. 20.

Stevens, Cyrus, Findlay, Ill. Washed air induction device for water pumping systems. 2,626,138, Jan. 20.

Stevenson, Robert O., Philadelphia, and C. R. Turner, Springfield Township, Montgomery County, assignors to Proctor Electric Company, Philadelphia, Pa. Feed water system for steam irons. 2,625,756, Jan. 20.

Stewart, Hugh T.: See—Johnson, Lloyd A., Helfrecht, and Stewart.

Stewart-Warner Corporation, assignee: See—Schmid, Walter.

Stoller, Warren H., Chicago, Ill. Fluorescent light fixture for circular fluorescent lamps. 2,626,346, Jan. 20.

Stoner, George H., Seattle, Wash., O. N. Becker, Cambridge, Mass., and H. Levinson, assignors to Boeing Airplane Company, Seattle, Wash. Direct-current electric motor. 2,626,386, Jan. 20.

Stringer, Loren F.: See—Harder, Edwin L., Greenwood, Moore, and Stringer.

Stull, John S., assignor to Illinois Tool Works, Chicago, Ill. Screw-holding and screw-driving tool. 2,625,967, Jan. 20.

Sublette, William M., Monrovia, Calif. Automatic differential gear transmission. 2,625,840, Jan. 20.

Suhr, Fred W., Fort Wayne, Ind., and M. W. Hellar, Jr., Schenectady, N. Y., assignors to General Electric Company. Motor testing device. 2,626,307, Jan. 20.

Sullivan, Frederick W., Jr., Madison, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic conversion of carbon monoxide and hydrogen to hydrocarbons, oxygenated hydrocarbons, and the like. 2,626,275, Jan. 20.

Sutherland Paper Company, assignee: See—Wood, Wayne A.

LIST OF PATENTEES

Swanson, Leonard, assignor to Swanson Tool & Machine Products, Erie, Pa. Work mounting fixture. 2,625,861, Jan. 20.

Swanson Tool & Machine Products, Inc., assignee: See—Swanson, Leonard.

Sweetser, Sumner B., Cranford, N. J., assignor to Standard Oil Development Company. Slurry polymerization process. 2,626,293, Jan. 20.

Sweits, Henry L., assignee: See—Beymer, Marshall.

Swiss, Jack: See—Sattler, Frank A., Swiss, and Ford.

Symington-Gould Corporation, The, assignee: See—Blattner, Emil H., and Couch.

Siskal, George C., Princeton, N. J., assignor to Radio Corporation of America. Amplifier circuit for color television. 2,626,323, Jan. 20.

Talal, John: See—Cornwell, David R. L., and Talal.

Talini, John, assignor to The C. F. Pease Company, Chicago, Ill. Print developer. 2,625,865, Jan. 20.

Talley, Samuel K., Berkeley, and F. J. Watson, Oakland, assignors to Shell Development Company, San Francisco, Calif. Torque converter fluid. 2,626,242, Jan. 20.

Tamarin, Bernard J., Whittemarsh, and A. Meletti, Philadelphia, Pa.; said Meletti assignor to said Tamarin. Packaging with pull strip. 2,625,775, Jan. 20.

Tapley, Gordon P., Suffern, N. Y., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,626,137, Jan. 20.

Tateyama, Hiroshi, Ault, Colo. Onion harvester machine. 2,625,781, Jan. 20.

Tatterson, Benjamin F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Purification of naphthalene. 2,626,236, Jan. 20.

Tatum, Joe F., Hattiesburg, Miss. Thermal shielded grill. 2,625,875, Jan. 20.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of trihaloalkenes. 2,626,252, Jan. 20.

Taylor Instrument Companies, assignee: See—Nichols, Nathaniel B.

Telecky, Elmer G., Hutchinson, and E. Habisch, Winsted, Minn. Electric fence wire attaching means. 2,626,304, Jan. 20.

Tenny, Allen R., assignor to Van Arsdale Corporation, Allentown, Pa. Rotary abrasive head. 2,625,774, Jan. 20.

Texas Company, The, assignee: See—Deutscher, Alton J., and Crookshank.

Naragon, Ernest A., Vergilio, and Millendorf.

"Texas Instruments Incorporated," assignee: See—Olson, Robert W.

Thacker, Loma E., Mountain Home, Tenn. Animal stimulating tricycle attachment. 2,626,161, Jan. 20.

Thelning, Curt L., Stockholm, Sweden. Machine spindle device. 2,625,845, Jan. 20.

Thermal Research and Engineering Corp., assignee: See—Bronowski, Witold.

Thompson, Charles J., and R. C. Johnson, Miami, Okla. Advertising attachment for parking meters. 2,625,761, Jan. 20.

Thompson, Ernest S., Strathmore, Calif., assignor to himself and E. Thompson. Straw chopper and spreader for harvesters. 2,626,159, Jan. 20.

Thompson, Ethel, assignee: See—Thompson, Ernest S.

Thompson, Jackie L., Union, W. Va. Automotive vehicle body construction. 2,626,180, Jan. 20.

Thurnauer, Hans, Chattanooga, and J. Deaderick, Signal Mountain, Tenn. Insulating materials. 2,626,220, Jan. 20.

Thurston, Jack T.: See—Wystrach, Vernon P., and Thurston.

Tobin-Arp Manufacturing Company, assignee: See—Arp, Ewald A.

Toftmann, Günter H., Bremen, Germany. Pressure spray oil burner. 2,626,187, Jan. 20.

Toledo Scale Company, assignee: See—Hart, Norman E.

Weckerly, Mark A.

Torre, Alton J., Westmont, N. J., assignor to Radio Corporation of America. Radio-frequency transformer and inductance element therefor. 2,626,318, Jan. 20.

Torres, Franklin, Milwaukee, Wis. Cutter for producing radish rosettes. 2,625,972, Jan. 20.

Towler, John M., Rodley, England, assignor of one-half to Mavor & Coulson, Limited, Glasgow, Scotland. Mining machine. 2,626,139, Jan. 20.

Trad, Victor, Deal, N. J. Coin-operated timing device. 2,625,996, Jan. 20.

Transeau, Sherman T., Riverside, N. J. Attachment link for sprocket chains. 2,625,830, Jan. 20.

Trans-Sonics, Inc., assignee: See—Mitchell, Louis O.

Traut, William A., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Multispeed hydraulic power device. 2,625,796, Jan. 20.

Trath, Harry O., and F. G. Dammann, Phoenix, Ariz. Stock chute and endgate. 2,626,182, Jan. 20.

Tucker, Jesse G., Jr.: See—Essel, James B., and Tucker.

Turner, Charles R.: See—Stevenson, Robert O., and Turner.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle loom. 2,625,959, Jan. 20.

Turner, Wofford B., Charlotte, N. C. Collapsible display rack. 2,626,059, Jan. 20.

Turkey, Charles M., Englewood, N. J. Dispenser for lipsticks and the like. 2,626,049, Jan. 20.

Underwood, Leo H., Wauhatchie, Ohio. Electric fence controller and method of operation. 2,626,364, Jan. 20.

Union Bag & Paper Corporation, assignee: See—Bokenkroger, William H., and Avery.

Union Carbide and Carbon Corporation, assignee: See—Lambrecht, Joseph A.

Union Oil Company of California, assignee: See—Krueger, Roland F.

United-Carr Fastener Corporation, assignee: See—Chute, Ralph H.

United States Atomic Energy Commission, United States of America as represented by the, assignee: See—Blumenthal, Warren B.

Miller, William T., and Maynard.

Powell, William M.

Weber, Frank R., Jr.

United States Bedding Co., assignee: See—Bronstein, Edward L., and Woodington.

United States Rubber Company, assignee: See—Castricum, Martin.

Hunter, Byron A.

Tawney, Pliny O.

Wallace, Edward H.

Universal Oil Products Company, assignee: See—Barnes, Marion W.

Kassel, Louis S.

Urban, Jack C.: See—Sherwood, Robert C., Cunningham, Walgamott, and Urban.

Van Arsdale Corporation, assignee: See—Tenny, Allen R.

Vandaveer, Roscoe F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Hydrocarbon synthesis. 2,626,274, Jan. 20.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Store wall furniture. 2,626,198, Jan. 20.

Van Orden, Clarence H., Newark, N. J. Reflecting light ray screen system. 2,625,852, Jan. 20.

Van Over, Harlan C., Carlisle, Ind., and R. A. Siblo, Marion, Ill. Ash tray. 2,626,045, Jan. 20.

Van Ry, William H., assignor to Boeing Airplane Company, Seattle, Wash. Air-cooled sprak plug. 2,625,921, Jan. 20.

Veeder-Root Incorporated, assignee: See—Blites, Harvey N., and Wild.

Vergilio, Joseph H.: See—Naragon, Ernest A., Vergilio, and Millendorf.

Voellm, K. Herman, assignee: See—Melita, Sebastiano.

Vogt, Clarence W., Norwalk, Conn. Supplying sheet material articles. 2,626,074, Jan. 20.

Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Tamper resisting fuse. 2,626,300, Jan. 20.

Voorhies, Alexis, Jr., and C. E. Adams, Baton Rouge, La., assignors to Standard Oil Development Company. Production of aromatics and saturated aliphatics. 2,626,266, Jan. 20.

Voss, Walter W., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,626,106, Jan. 20.

Voyce, Willis M., Johnstown, Pa. Variable pitch propeller. 2,625,999, Jan. 20.

Wagner, Cary R., Utica, Ohio, W. N. Axe, Bartlesville, Okla., and C. M. Himel, Palo Alto, Calif., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,626,239, Jan. 20.

Wagner, George B., Holbrook, Mass., assignor to Normandy Chemical Corporation, Muskegon, Mich. Antislip ice solvent product and process. 2,626,219, Jan. 20.

Walgamott, Arthur C.: See—Sherwood, Robert C., Cunningham, Walgamott, and Urban.

Wallace, Clarence E., Yuba City, assignor of one-half to E. L. Hiatt, San Mateo, Calif. Gate latch. 2,626,171, Jan. 20.

Wallace, Edward H., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Making pneumatic tires. 2,625,981, Jan. 20.

Wallace, James M., East McKeesport, A. W. Edwards, Pittsburgh, and J. K. Kraft, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,626,329, Jan. 20.

Walter, B., & Company, assignee: See—Walter, Frederick B.

Walter, Frederick B., assignor to B. Walter & Company, Wabash, Ind. Metal extension slide structure. 2,626,195, Jan. 20.

Wampler, Roy W., and C. M. Browne, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple sheet glazing unit. 2,625,717, Jan. 20.

War, United States of America as represented by the Secretary of, assignee: See—Napolin, Seymour.

Simpson, Clarence E.

- Ward, George C., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Dyeing of mixed wool-cellulose acetate textile materials. 2,626,202, Jan. 20.
- Ward, William C., assignor to Eaton Laboratories, Inc., Norwich, N. Y. Series of nitrofurans compounds comprising the acyl hydrazones ammonium salts of 5-nitro-acyl furans. 2,626,258, Jan. 20.
- Warren, Kenneth H., Glen Burnie, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Separation of volatile from non-volatile constituents of an aqueous molasses fermentation residue. 2,626,237, Jan. 20.
- Wasserkrug, Bernard K.: See—
- Spaulding, William D., and Wasserkrug.
- Wasserman, Rene D., Stamford, Conn. Welding rod. 2,626,339, Jan. 20.
- Watson, Forrest J.: See—
- Talley, Samuel K., and Watson.
- Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Gravity bed reactor. 2,626,203, Jan. 20.
- Wawzonek, Joseph: See—
- Oreen, Isaac H. C., and Wawzonek.
- Weber, Frank R., Jr., Alameda, Calif., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Target for particle accelerators. 2,626,359, Jan. 20.
- Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale indicator. 2,626,142, Jan. 20.
- Weed, Ralph A., Canton, Ill. Paint can brush scraper. 2,626,081, Jan. 20.
- Weidner, Arthur W.: See—
- Miller, George R., Jr., and Weidner.
- Wells, Henry C., Jr., Sturtevant, Wis. Illuminated vanity case. 2,625,942, Jan. 20.
- Wekerle, Adam, St. Louis, Mo. Tooth powder dispenser. 2,626,084, Jan. 20.
- Welch, Harry J.: See—
- Shepherd, Dean, and Welch.
- Weldon, John J., and B. L. Levitt, Chicago, Ill. Laundry hamper. 2,625,973, Jan. 20.
- Wells, Chester E.: See—
- Coles, William T., and Wells.
- Welsh, William H., New York, N. Y. Impeller. 2,625,884, Jan. 20.
- Werkman, Robert T.: See—
- Crouch, Willie W., Werkman, and Fanning.
- West, Charles D., Orlando, Fla. Universal fender welt. 2,626,164, Jan. 20.
- West, Charles D., Orlando, Fla. Fastener. 2,625,722, Jan. 20.
- West, Ernest C.: See—
- Whitehead, Robert C., Jr., and West.
- Western Electric Company, Incorporated, assignee: See—
- Barber, Robert R.
- Cox, Thomas K.
- Eicher, William F., and Schwartz.
- Hanson, Estyle D.
- Westinghouse Electric Corporation, assignee: See—
- Barr, Robert L.
- Basnett, Robert T.
- Bastou, Cyril E.
- Bastou, Cyril E., and Futral.
- Baudry, René A., and Heller.
- Baudry, René A., and Peterson.
- Cheek, Robert C.
- Cheek, Robert C., and Newbury.
- Dalley, Hampton J.
- Farr, Kenneth E.
- Harder, Edwin L., Greenwood, Moore, and Stringer.
- Leippe, Richard M.
- McClellan, Cyril E.
- Mierley, George M., and Schlatter.
- Nobles, Charles E.
- Sattler, Frank A., Swiss, and Ford.
- Stein, Gerhard M.
- Wallace, James M., Edwards, and Kraft.
- Wharf, Edward M., Jr.
- Wright, Robert L.
- Young, Douglas A., Lunas, and Nycs.
- Wetherington, Jesse B., and W. F. Rhem, Craven County, N. C. Portable conveyor. 2,626,039, Jan. 20.
- Wetzler, Max E., Flushing, N. Y. Multiple-bar gining clamp. 2,625,970, Jan. 20.
- Wharf, Edward M., Jr., Ellicott City, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for dielectrically heating irregularly shaped objects under pressure. 2,626,344, Jan. 20.
- Whetstone, Richard R., Orinda, assignor to Shell Development Company, San Francisco, Calif. Preparation of acrolein acetal. 2,626,283, Jan. 20.
- Whewell, Robert, New Bedford, assignor to Bourne Mills, Fall River, Mass. Drapery. 2,625,689, Jan. 20.
- White, Thomas A.: See—
- Caldwell, Carlyle G., White, George, and Eberl.
- Whitehead, Robert C., Jr., and C. E. West, Philadelphia, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level gauge. 2,625,820, Jan. 20.
- Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,801, Jan. 20.
- Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,802, Jan. 20.
- Whitworth, Sir, W. G. Armstrong, Aircraft Limited, assignee: See—
- Plester, Joseph.
- Wies, Calmy, New York, N. Y., and J. B. R. Caron, North Plainfield, and E. B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif. Fuel oil composition. 2,626,207, Jan. 20.
- Wilbur, Everett T., Dayton, Ohio. Panoramic receiver. 2,626,350, Jan. 20.
- Wild, Otto, Jr.: See—
- Bilas, Harvey N., and Wild.
- Wilkin, Robert A., Chino, Calif. Adhesive tape dispenser. 2,625,744, Jan. 20.
- Williams, Robert M., and C. N. Lawter, Toledo, Ohio, assignors to Packard Motor Car Company, Detroit, Mich. Gas turbine power plant with diverse combustion and diluent air paths. 2,625,794, Jan. 20.
- Wilson, Jones Company, assignee: See—
- Marano, Herbert W.
- Wilson, Robert C., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for solid transfer. 2,626,235, Jan. 20.
- Winkler, Marion R., Phoenix, Ariz., assignor to Motorola, Inc., Chicago, Ill. Selective signaling system. 2,626,384, Jan. 20.
- Winsten, Walter A., Forest Hills, assignor to Food Research Laboratories, Inc., Long Island City, N. Y. Derivatives of streptomycin and making them. 2,626,256, Jan. 20.
- Wix Accessories Corporation, assignee: See—
- Clabaugh, Milford L.
- Woerner, Joseph, assignee: See—
- Horsley, Margaret T.
- Wolf, Joseph, Los Angeles, Calif. Mounting for campaign ribbons and medals. 2,625,757, Jan. 20.
- Wood, Clinton W.: See—
- Berford, Robert F. W., and Wood.
- Wood, Phil, Industries Limited, assignee: See—
- Berford, Robert F. W., and Wood.
- Wood, Wayne A., assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for closing cartons while the cartons are being translated. 2,625,778, Jan. 20.
- Woodington, John N.: See—
- Bronstien, Edward L., and Woodington.
- Worden, Donald P.: See—
- Jorgensen, Clarence H., Nickel, Dietrich, and Worden.
- Worthington Corporation, assignee: See—
- Sebold, Joseph F.
- Wright Machinery Company, assignee: See—
- Aldridge, Luther W.
- Wright, Robert L., North Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compensator for X-ray systems. 2,626,360, Jan. 20.
- Wubbe, Leo J., Detroit, Mich. Tractor drive with tire directly driven. 2,626,002, Jan. 20.
- Wystrach, Vernon P., Springdale, and J. T. Thureton, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing acyloxyethyl isocyanates. 2,626,278, Jan. 20.
- Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Coal pulverization and combustion apparatus for gas turbine power plants. 2,625,791, Jan. 20.
- Yergens, Chester M., Milwaukee, Wis. Flexible and overload releasable drive mechanism between drawbar connected vehicles. 2,626,000, Jan. 20.
- Young, David W.: See—
- Sparks, William J., Morway, and Young.
- Young, Douglas A., East Orange, L. J. Lunas, Cedar Grove, and J. C. Nycs, Towaco, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Recording instrument pen mechanism. 2,626,201, Jan. 20.
- Zambito, Alphonse L.: See—
- McClelland, Arthur J., Zambito, and Minnecl.
- Zeler, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser lifting mechanism for sewing machines. 2,625,895, Jan. 20.

LIST OF DESIGN INVENTIONS

- Box, Compartmented. A. W. Van Dyke. 168,664, Jan. 20.
- Cabinet for a radio receiver. W. F. Fox. 168,647, Jan. 20.
- Cabinet for electric dictating machine, Recorder. R. L. Whyte. 168,666, Jan. 20.
- Cabinet, Television. S. E. Adler. 168,643, Jan. 20.
- Cabinet unit, Fountain. D. C. Smith and W. Livingston. 168,661, Jan. 20.
- Can and bottle opener, Combined. W. E. Gnnedelfinger. 168,649, Jan. 20.
- Chain, Expandable. S. Ritter. 168,655, Jan. 20.
- Crate, Animal. R. K. McKee. 168,650, Jan. 20.
- Desk and seat unit, Combined. R. J. Silverman. 168,659, Jan. 20.
- Food product, Molded. L. Peters. 168,653, Jan. 20.
- Hat and puppet, Combined. F. Glencott. 168,648, Jan. 20.
- Holder, Combination lamp, clock and dual plant. B. Rubin. 168,657, Jan. 20.
- Holder, Combination lamp, clock and plant. B. Rubin. 168,656, Jan. 20.
- Holder, Spool. C. M. Erickson. 168,646, Jan. 20.
- Knife, Fish and game cleaning. M. W. Banowetz, Sr. 168,644, Jan. 20.
- Lawn sprinkler. M. J. Moran. 168,651, Jan. 20.
- Lighting fixture. B. C. Pretzer. 168,654, Jan. 20.
- Microphone. R. L. Whyte. 168,665, Jan. 20.
- Pump handle. L. E. Russell. 168,658, Jan. 20.
- Rotary wing aircraft. P. J. Papadakis. 168,652, Jan. 20.
- Shears or similar article, Grass. C. E. Smith. 168,660, Jan. 20.
- Stereoscopic viewer. J. E. Davis. 168,645, Jan. 20.
- Stocking. G. C. Tait. 168,662, Jan. 20.
- Switchboard, Telephone. F. W. Treptow. 168,663, Jan. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbent pad holder with retaining clamp structure. H. A. Garmen. 2,625,739, Jan. 20.
Absorption refrigeration. N. E. Berry. 2,625,800, Jan. 20.
Absorption refrigeration. W. M. Simpson. 2,625,803, Jan. 20.
Absorption refrigeration. E. P. Whitlow. 2,625,801-2, Jan. 20.
Accelerator brake apparatus. E. C. Sherwood, G. A. Cunningham, A. C. Walgamott, and J. C. Urban. 2,626,026, Jan. 20.
Acrolein acetal. Preparation of. B. R. Whetstone. 2,626,283, Jan. 20.
Acryloxyethyl isocyanates, preparing. V. P. Wystrach and J. T. Thurston. 2,626,278, Jan. 20.
Adhesive tape dispenser. R. A. Wilkin. 2,625,744, Jan. 20.
Adjustable anchorage. E. A. Black. 2,626,815, Jan. 20.
Adjustable indicator holder. J. A. Rudhart. 2,625,746, Jan. 20.
Adjustable spring suspension. J. Stephen. 2,626,144, Jan. 20.
Adjusting gate for fish ladders. B. G. Reed. 2,625,798, Jan. 20.
Advertising attachment for packing meters. C. J. Thompson and R. C. Johnson. 2,625,781, Jan. 20.
Agitating apparatus for tray ice-cream freezers. W. W. Packer. 2,626,134, Jan. 20.
Alcornoque radio relay and broadcast system. C. E. Nobles. 2,626,348, Jan. 20.
Air circulating and conditioning unit. C. Krause. 2,626,136, Jan. 20.
Air circulating unit. R. Follansbee and E. F. Ford. 2,625,872, Jan. 20.
Air cleaner. J. B. Sebok. 2,626,010, Jan. 20.
Air cleaner, intake allencer, and carburetor housing unit. J. B. and F. Sebok. 2,626,009, Jan. 20.
Air-cooled spark plug. W. H. Van Ry. 2,625,921, Jan. 20.
Aircraft controls. J. L. Atwood and C. G. Gordon. 2,626,115, Jan. 20.
Air motor controller with self-balancing potentiometer. H. M. Schmitt. 2,625,911, Jan. 20.
Air traffic control system. N. B. Coley. 2,626,382, Jan. 20.
Alarm, burglar. W. W. Flugrath. 2,625,901, Jan. 20.
Alarm, fire and burglar. H. C. Sorensen. 2,625,902, Jan. 20.
Alkadienyl pyridyl and phenyl alkylene diamines, and preparing same. W. A. Lott and E. Pribyl. 2,626,262, Jan. 20.
Alkory hydrosilanes, Preparation of. M. J. Hunter and P. C. Servais. 2,626,273, Jan. 20.
Alternate tipping valve. R. Raamussen. 2,626,066, Jan. 20.
Amplifier circuit for color television. G. C. Saklat. 2,626,323, Jan. 20.
Amplifier, electronic alternating current. D. L. Markusen. 2,626,324, Jan. 20.
Anchor. F. W. Southard. 2,625,898, Jan. 20.
Animal simulating tricycle attachment. L. E. Thacker. 2,626,161, Jan. 20.
Anode package. R. H. Long. 2,626,046, Jan. 20.
Antenna mast. J. W. McGee. 2,626,353, Jan. 20.
Antiskid chain and mounting means therefor. G. W. Carnolo. 2,625,977, Jan. 20.
Antislip ice solvent product and process. G. B. Wagner. 2,626,219, Jan. 20.
Apparatus for applying coating material to pipe. S. L. Richards, Jr. 2,625,905, Jan. 20.
Apparatus for assembling storage battery elements. W. W. Smith. 2,626,038, Jan. 20.
Apparatus for conducting catalytic endothermic and exothermic reactions. L. S. Kassel. 2,626,204, Jan. 20.
Apparatus for detecting suspended matter in fluids. C. E. Martine. 2,626,361, Jan. 20.
Apparatus for determining time intervals. S. Napolin. 2,626,313, Jan. 20.
Apparatus for dielectrically heating irregularly shaped objects under pressure. E. M. Wharr, Jr. 2,626,344, Jan. 20.
Apparatus for discharging ash from gas producers. K. Schlepper. 2,626,210, Jan. 20.
Apparatus for eviscerating shrimp. A. J. Avetta and T. Scardamaglia. 2,625,705, Jan. 20.
Apparatus for handling materials. R. R. Barber. 2,626,093, Jan. 20.
Apparatus for making flexible hose. E. P. Harris and F. W. Sampson. 2,625,970, Jan. 20.
Apparatus for processing frozen comestibles. C. A. Reed. 2,626,133, Jan. 20.
Apparatus for recording time intervals. A. F. Hasbrook. 2,626,004, Jan. 20.
Apparatus for refining used lubricating oil. C. F. and A. Miller. 2,626,229, Jan. 20.
Apparatus for separating potatoes. E. G. and G. Innea. 2,626,051, Jan. 20.
Apparatus for the production of wrapped articles. J. E. Brandenberger. 2,625,776, Jan. 20.
Apparatus for treating molasses. S. T. Hoyt. 2,626,055, Jan. 20.
Apparatus for uniting a plurality of metal parts by melting metal. R. C. Mann and R. A. MacDonald. 2,625,897, Jan. 20.
Applying hard surfacing material to metal bodies. C. H. Elliott. 2,626,221, Jan. 20.
Aqueous canstic treat of iso-octyl alcohol. W. M. Smith. 2,626,284, Jan. 20.
Arylated dihydroquinolines. J. R. Ingram. 2,626,253, Jan. 20.
Arc quenching device for electric contactors. R. T. Bassett. 2,626,331, Jan. 20.
Armored skirt for tanks. J. S. Dandini. 2,625,850, Jan. 20.
Aromatic halosilanes. A. J. Barry. 2,626,269, Jan. 20.
Aromatics and saturated aliphatics, Production of. A. Voorhies, Jr. and C. E. Adams. 2,626,286, Jan. 20.
Arylhalosilanes, Production of. A. J. Barry. 2,626,266-7, Jan. 20.
Asbestos dispersion and forming same. I. J. Novak. 2,626,218, Jan. 20.
Ash tray. H. C. Van Over and R. A. Siblo. 2,626,045, Jan. 20.
Asparagus fern cutter. R. M. Allred. 2,625,782, Jan. 20.
Assembler control equipment for type line casting machines. J. R. Brougher. 2,626,043, Jan. 20.
Assessing transient stresses within bodies, Method and apparatus for. J. S. Stanton. 2,625,850, Jan. 20.
Atmosphere-type emulsion treaters. A. P. and J. M. Musselwhite. 2,626,007, Jan. 20.
Atomizing oil burner and ignition means therefor. G. D. Smith. 2,625,990, Jan. 20.
Attachment for mechanically actuating the manually operable feed actuator shafts of machine tools. D. E. and W. N. Beckett. 2,625,844, Jan. 20.
Attachment link for sprocket chains. S. T. Transeau. 2,625,830, Jan. 20.
Auto attoller. A. Bulmash, I. J. Polansky, and N. C. Irby. 2,625,982, Jan. 20.
Automatic clutch control means for press brakes. H. H. Goldberg. 2,626,030, Jan. 20.
Automatic control system for well drilling. R. R. Crookston. 2,626,127, Jan. 20.
Automatic crankcase oil feed device. P. Bibko. 2,626,017, Jan. 20.
Automatic differential gear transmission. W. M. Soblette. 2,625,840, Jan. 20.
Automatic filling scale. W. E. Sachae. 2,626,121, Jan. 20.
Automatic lubricator for moving conveyor chains and other moving mechanisms. W. C. Klefer. 2,626,016, Jan. 20.
Automatic premeshing mechanism. C. S. Metager. 2,625,826, Jan. 20.
Automatic repeating predetermined atop mechanism. R. B. Pressler. 2,626,104, Jan. 20.
Automatic sheet feeding mechanism. E. L. Johnson. 2,626,148, Jan. 20.
Automatic slack take-up mechanism. E. B. Nolt. 2,625,829, Jan. 20.
Automobile parking elevator. L. K. and V. A. Sanders. 2,626,045, Jan. 20.
Automobile truck direction indicator. K. B. Glass. 2,625,900, Jan. 20.
Auxiliary air and water supply for automobiles. O. D. Caldwell. 2,626,184, Jan. 20.
Back rest for planklike seats. R. MacMillan. 2,625,988, Jan. 20.
Bagging machine with adjustably mounted article guide rails. A. J. McClelland, A. L. Zambito, and S. J. Minnebel. 2,626,094, Jan. 20.
Bag handle making and applying machine. W. H. Bokenkroger and T. M. Avery. 2,625,862, Jan. 20.
Baggage latch. R. E. Herrick. 2,616,172, Jan. 20.
Barrel cooling apparatus. A. H. Patch and G. M. Booth. 2,625,804, Jan. 20.
Baseball game board. F. Belerle. 2,626,155, Jan. 20.
Beam extractor. W. M. Powell. 2,626,351, Jan. 20.
Belt and garment, Combined. A. S. Kaufman. 2,625,688, Jan. 20.
Belt, Apparel. R. T. Hickok. 2,625,090, Jan. 20.
Bendable prong paper fastening clip. W. E. Bassett. 2,625,723, Jan. 20.

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Bentonite greases. W. J. Sparks, A. J. Morway, and D. W. Young. 2,626,241, Jan. 20.
Beverage pot with insulated cover handle. J. N. Polivka. 2,626,086, Jan. 20.
Billfold having an expansible pocket. D. J. Broughton. 2,625,974, Jan. 20.
Binocular, Adjustable head-supported. J. E. Gaylor. 2,625,855, Jan. 20.
Bit: See—
Drill bit.
Bit for bridges. E. B. Flatt. 2,625,780, Jan. 20.
Blood transfer apparatus. P. F. Salisbury. 2,625,932, Jan. 20.
Blood transfer mechanism. P. F. Salisbury. 2,625,933, Jan. 20.
Bloom inhibited chocolate. S. T. Cross. 2,626,216, Jan. 20.
Board: See—
Baseball game board.
Bobbin holder. J. Mansella. 2,626,062, Jan. 20.
Bobbin or spool. W. H. Miller. 2,626,113, Jan. 20.
Bomb cluter adapter. G. F. Brown. 2,625,880, Jan. 20.
Bottle carrying case. C. L. Keller. 2,626,079, Jan. 20.
Bottle opener, Coin-shaped. C. T. Frazier. 2,625,847, Jan. 20.
Bowling game apparatus with swingably supported pins. R. R. Denney. 2,626,133, Jan. 20.
Box holder. C. L. Crosby. 2,626,119, Jan. 20.
Brake. R. J. Keller. 2,626,020, Jan. 20.
Brake drum, Universal inspection. C. E. Pederson. 2,625,818, Jan. 20.
Brake for farm tractors, Foot and hand. G. E. Arnio. 2,626,022, Jan. 20.
Brake for motor trucks, Vacuum. C. M. Steely. 2,625,909, Jan. 20.
Brake lever actuated oil level indicator. J. O. Raby. 2,626,386, Jan. 20.
Brake unit. R. D. Kinsbey. 2,626,019, Jan. 20.
Bridge for bass violins. S. Melita. 2,625,849, Jan. 20.
Bringing a newly charged catalytic reactor on stream. L. J. Ronayne. 2,626,288, Jan. 20.
Bumper for tank type vacuum cleaners. V. H. Helton. 2,626,173, Jan. 20.
Burner: See—
Modulating gas burner. Pressure spray oil burner.
Bus duct system of power distribution. H. J. Hammerly. 2,626,301, Jan. 20.
Butter oil process. I. J. Lundal and R. P. Robichaux. 2,626,217, Jan. 20.
Cabinet: See—
Merchandise display cabinet.
Cable reeling system. R. N. Cross. 2,626,112, Jan. 20.
Cable with weakened stripping plane. T. K. Cox. 2,626,302, Jan. 20.
Cake holder for dyeing apparatus. M. W. Reno and J. E. Dougherty. 2,625,810, Jan. 20.
Cam-acting tension device for frameless window screens. D. J. Rust and J. H. Jensen. 2,625,995, Jan. 20.
Camera back, Rotatably adjustable. A. Engelhardt. 2,625,804, Jan. 20.
Camera lens board and means for controlling the same. H. Geib. 2,625,851, Jan. 20.
Can: See—
Nonupsetting garbage can.
Can labelling machine. C. M. Hesson. 2,626,075, Jan. 20.
Capacity control for reciprocating compressors. C. M. Aahley. 2,626,099, Jan. 20.
Carburetor. G. P. Tanley. 2,626,137, Jan. 20.
Card feedbox. H. E. Holmberg. 2,626,149, Jan. 20.
Carpet sweeper. M. and J. de Kadt. 2,625,698, Jan. 20.
Case: See—
Bottle carrying case. Illuminated vanity case.
Case and trunk construction. M. H. Sherman. 2,626,025, Jan. 20.
Casket. Burlal. S. Richmond. 2,625,731, Jan. 20.
Caster mounting for aircraft landing wheels, Self-centering. J. S. Steuby. 2,626,116, Jan. 20.
Catalytic conversion of carbon monoxide and hydrogen to hydrocarbons, oxygenated hydrocarbons, and the like. F. W. Sullivan, Jr. 2,626,275, Jan. 20.
Catalytic cracking of hydrocarbons in the presence of added gaseous olefins. C. N. Kimberlin, Jr., and E. M. Gladrow. 2,626,233, Jan. 20.
Cavity resonator structure and tube employing the same. P. L. Spencer. 2,626,372, Jan. 20.
Centrifugal air cleaner for internal-combustion engines. H. F. Reimann. 2,626,013, Jan. 20.
Centrifugal pump drive and seal means. W. M. Howser. 2,625,883, Jan. 20.
Centrifugal servo clutch. H. B. Lewis and H. Field, Jr. 2,626,033, Jan. 20.
Chair: See—
Combination rocking and swiveling chair.
Chair or stool for bars, counters, or the like, Disappearing. E. W. Schweikert. 2,625,984, Jan. 20.
Child's seat. M. G. Hunter. 2,625,987, Jan. 20.
Circle squarer. A. S. Raettig. 2,625,740, Jan. 20.
Circuit: See—
Oscillator circuit. Pulse discriminating circuit.
Circuit interrupter. J. M. Wallace, A. W. Edwards, and J. K. Kraft. 2,626,329, Jan. 20.
Circuit panels, Making. E. Adams and A. Chlessa. 2,626,206, Jan. 20.
Circular grinding machine, Automatic. H. G. Crämer and G. Koppenwallner. 2,625,773, Jan. 20.
Clamp: See—
Multiple-bar gluing clamp.
Cleaner: See—
Air cleaner. Power-driven sewer cleaner.
Pneumatic trouser cuff and pocket cleaner.
Cleaning and dust collecting machine for dry mops. R. R. Cudy. 2,625,704, Jan. 20.
Cleaning internal-combustion engines and composition therefor. O. L. Brandes and C. B. Pattinson, Jr. 2,626,225, Jan. 20.
Cleaning oxide from oxidized molybdenum wire. M. A. Levesque. 2,626,224, Jan. 20.
Clip: See—
Bendable prong paper fastening clip.
Clip for bicycle handle bars. M. B. Chappel. 2,625,727, Jan. 20.
Clock, Electric. I. Reiner. 2,625,787, Jan. 20.
Closure cap for tube fittings. C. P. Day. 2,625,953, Jan. 20.
Closure device for apertures. E. B. Fernberg. 2,626,080, Jan. 20.
Closure locking ring for containers. W. Lockhart. 2,625,721, Jan. 20.
Cloud height indicator. Q. Frazier. 2,625,743, Jan. 20.
Clutch: See—
Centrifugal servo clutch. Spring type overload release clutch.
Clutch with over center spring levers. E. M. De Coursey. 2,626,032, Jan. 20.
Clutch with removable cantilever spring, Centrifugal. T. L. Fawick. 2,626,034, Jan. 20.
Coal pulverization and combustion apparatus for gas turbine power plants. J. I. Yellott. 2,625,791, Jan. 20.
Code communication system. N. B. Coley. 2,626,314, Jan. 20.
Coffee maker. E. M. Miller. 2,626,342, Jan. 20.
Coin holder. G. Blendinger. 2,626,098, Jan. 20.
Cold wave curling rod. E. W. Carper. 2,625,940, Jan. 20.
Collapsible display rack. W. B. Turner. 2,626,059, Jan. 20.
Collecting, transporting, and dumping equipment. H. W. Jones. 2,626,069, Jan. 20.
Color-kinescopes, etc., Making. H. B. Law. 2,625,734, Jan. 20.
Combination of an electric switch and air core reactor for protecting electrical equipment from excessive fault currents. J. D. Leitch. 2,626,377, Jan. 20.
Combination rocking and swiveling chair. L. R. Slyter and T. C. Maule. 2,625,983, Jan. 20.
Combined compression relief and carburetor control for internal-combustion engines. F. M. Friedlob. 2,625,924, Jan. 20.
Combining frequencies, Means for. C. E. McClelland. 2,626,357, Jan. 20.
Combustion stabilization means for high-velocity air streams having a pilot burner and a streamline igniter grill. W. Brzosowski. 2,625,795, Jan. 20.
Comparator for collocating a cutter in a boring bar. E. A. Arp. 2,625,748, Jan. 20.
Compensator for X-ray systems. R. L. Wright. 2,626,360, Jan. 20.
Composite linkage. J. E. Dillard. 2,625,838, Jan. 20.
Compounds for fuel mixtures, Production of. C. E. Morrell. 2,626,209, Jan. 20.
Compressed air supply system. R. McIntyre. 2,626,100, Jan. 20.
Concrete pipe-forming machine, including means for extracting excess fluids by vacuum. H. X. Eichenbrenner. 2,625,728, Jan. 20.
Conditioning water. N. E. Arts. 2,626,238, Jan. 20.
Connector: See—
Electrical connector.
Constant speed control for strip annealing. J. French. 2,626,110, Jan. 20.
Constructing buildings. H. A. Ingalla. 2,625,729, Jan. 20.
Consumer type container. L. C. Brooks. 2,626,095, Jan. 20.
Container: See—
Consumer type container. Ejecting key container.
Control apparatus. W. W. Voss. 2,626,106, Jan. 20.
Control for multiple engines. C. H. Jorgensen. W. T. Nickel, H. H. Dietrich, and D. P. Worden. 2,625,834, Jan. 20.
Control system for stage encore curtain hoisting motors. P. M. Fischer. 2,626,375, Jan. 20.
Convertible truck and trunk compartment for automobiles. F. C. Gonzales. 2,626,179, Jan. 20.
Conveyor, Flexible. H. N. Ipsen. 2,626,041, Jan. 20.
Conveyor, Portable. J. B. Wetherington and W. F. Rhem. 2,626,039, Jan. 20.
Conveyor, Vertical. G. E. Lamb. 2,626,040, Jan. 20.
Copyholder. C. W. Knott. 2,625,908, Jan. 20.
Coametic holder. W. B. Crane. 2,626,047, Jan. 20.
Cotton-picking apparatus. P. W. Spell. 2,625,783, Jan. 20.

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- Coupler pin protector. F. H. Kayler. 2,626,064, Jan. 20.
Coupling: See—
Hose coupling. Microwave slot coupling.
Cow stanchion. T. O. Montero. 2,625,907, Jan. 20.
Crystalline insulin. Producing. K. Petersen. 2,626,228, Jan. 20.
Cup, shortening measuring. V. T. Moe. 2,625,824, Jan. 20.
Cutter: See—
Asparagus fern cutter.
Cutter for producing radish rosettes. F. Torres. 2,625,972, Jan. 20.
Cylinder head. M. W. Garland. 2,626,102, Jan. 20.
Decomposition of alkyl alpha-hydroperoxides. G. G. Joris. 2,626,281, Jan. 20.
Delayed-action pulsator valve. J. C. Marlow. 2,625,948, Jan. 20.
Derivatives of streptomycin and making them. W. A. Winsten. 2,626,256, Jan. 20.
Developing multilayer color films. A. K. Schwerin. 2,626,216, Jan. 20.
Device for attaching fabric to umbrella ribs. M. Ferrante. 2,625,947, Jan. 20.
Device for collecting equine urine specimens. W. Berry. 2,626,387, Jan. 20.
Device for measuring the viscosity of liquids. R. Oppenauer. 2,625,817, Jan. 20.
Diaphragm device. V. G. Klein. 2,625,954, Jan. 20.
Die for presses, rotary progressive. O. Immenroth. 2,625,898, Jan. 20.
Digital indicating arrangement for measuring systems. N. B. Nichols. 2,625,822, Jan. 20.
Direct-current electric motor. G. H. Stoner, O. N. Becker, and H. Levinson. 2,626,368, Jan. 20.
Dispenser: See—
Adhesive tape dispenser. Tooth powder dispenser.
Dispenser for lipsticks and the like. C. M. Tursky. 2,626,049, Jan. 20.
Dispensing apparatus. O. J. Elde, J. A. Johnson, and C. F. Mikwick. 2,625,952, Jan. 20.
Dispensing-type barrel enclosure. A. H. Patch. 2,626,200, Jan. 20.
Display device for merchandise carrying cards and the like. R. E. Girouard. 2,626,061, Jan. 20.
Display rack. H. J. Rubenstein. 2,626,060, Jan. 20.
Display stand with alarm system. B. Needleman. 2,626,388, Jan. 20.
Divider for cheese molds. M. F. Pullen. 2,625,877, Jan. 20.
Double element setback lock. J. Rabinow. 2,625,881, Jan. 20.
Doughnut cutter and former. E. H. Nagel. 2,625,891, Jan. 20.
Draft preventing attachment for doors. C. E. Ketcham. 2,625,718, Jan. 20.
Drum. R. Whewell. 2,625,689, Jan. 20.
Drill bit. E. G. Bolce. 2,626,128, Jan. 20.
Drill post. E. B. Lear. 2,626,023, Jan. 20.
Drilling cutting plates. F. P. Hess. 2,625,848, Jan. 20.
Drilling guide and using same. C. R. Wagner, W. N. Axe, and C. M. Himmel. 2,626,239, Jan. 20.
Drive mechanism for phonograph turntables and tape mechanism. H. L. Hartman. 2,625,827, Jan. 20.
Drive mechanism for soil sampling apparatus. F. Marek. 2,625,835, Jan. 20.
Dry cell battery. A. M. MacFarland. 2,626,295, Jan. 20.
Duplicating ribbon attachment. J. C. Hochman. 2,626,035, Jan. 20.
Dyeing of mixed wool-cellulose acetate textile materials. G. C. Ward. 2,626,202, Jan. 20.
Egg turning apparatus for incubators. E. W. Forney. 2,625,906, Jan. 20.
Ejecting key container. J. Mullan. 2,625,814, Jan. 20.
Electric discharge device. H. J. Dalley. 2,626,369, Jan. 20.
Electric fence controller and operation. L. H. Underwood. 2,626,364, Jan. 20.
Electric fence, wire attaching means. E. G. Telecky and E. Hablach. 2,626,304, Jan. 20.
Electric logging with oil base drilling fluids. R. F. Krueger. 2,626,305, Jan. 20.
Electric outlet circuit indicator. W. F. Koepke. 2,625,759, Jan. 20.
Electric switch. W. E. Engelhard. 2,626,311, Jan. 20.
Electric switch. M. F. Koenig. 2,626,334, Jan. 20.
Electric switch. C. A. Landin. 2,626,335, Jan. 20.
Electrical apparatus. M. C. Harrold. 2,626,330, Jan. 20.
Electrical connector. J. C. Macy. 2,626,168, Jan. 20.
Electrical contacts, making. H. E. Spooner. 2,625,737, Jan. 20.
Electrical discharge device of the arc expulsion type. C. W. Petersen. 2,626,368, Jan. 20.
Electrical precipitator. R. L. Barr. 2,626,008, Jan. 20.
Electrical switch. R. H. Earle, J. F. Kusela, and W. O. Schults. 2,626,332, Jan. 20.
Electron microscope focusing device. H. T. Meryman. 2,626,358, Jan. 20.
Elevator door interlock. W. Healey. 2,626,018, Jan. 20.
End seal for printing rollers. J. J. Hltov. 2,625,735, Jan. 20.
Envelope and support clip therefor. H. W. Marano. 2,625,935, Jan. 20.
Envelope fastener means. W. H. McConnaughey. 2,626,097, Jan. 20.
Erecting device for gyroscopes. G. Agina. 2,625,825, Jan. 20.
Erecting device. M. T. Horsley. 2,626,090, Jan. 20.
Extractor: See—
Beam extractor.
Fabric: See—
Unwoven fabric.
Face protector. E. A. B. Magnusson. 2,625,684, Jan. 20.
Fan diffuser having an airfoil lattice deflector. M. B. Curley. 2,626,101, Jan. 20.
Fastener: See—
Pin fastener. Slide fastener.
Fastener. C. D. West. 2,625,722, Jan. 20.
Feed control for paper filters. L. M. Persons. 2,626,012, Jan. 20.
Feed water system for steam irons. R. O. Stevenson and C. R. Turner. 2,625,756, Jan. 20.
Fertilizer spreader adjustment, calibrated. E. L. Masters. 2,626,063, Jan. 20.
Fiber transfer and cleaning means. A. R. Nisbet, Sr. 2,625,713, Jan. 20.
Filament structure for electron discharge device. W. N. Parker. 2,626,370, Jan. 20.
Filler feed for cigar bunch machines. J. F. Halstead. 2,625,938, Jan. 20.
Filler feed for cigar machines. R. E. Rundell. 2,625,936, Jan. 20.
Filter: See—
Oil filter. Rotary drum suction filter.
Radio-frequency filter.
Firing ceramic articles. G. M. J. Cremer. 2,625,730, Jan. 20.
Fishing lure. H. Pokras. 2,625,767, Jan. 20.
Flame holder and fuel nozzle supporting mechanism for ram jet engines. E. P. Neikirk and J. Iso, Jr. 2,625,786, Jan. 20.
Flame tube having telescoping walls with fluted ends to admit air. D. McCarthy and A. D. F. Smith. 2,625,792, Jan. 20.
Flashlight, gun, and blilly. Combination. V. B. O'Brien and E. B. Robertson. 2,625,764, Jan. 20.
Flexible and overload releasable drive mechanism between drawbar connected vehicles. C. M. Yergens. 2,626,000, Jan. 20.
Flexible toggle seal. H. G. Beck. 2,625,715, Jan. 20.
Flexible windshield mounting. H. G. Beck. 2,625,716, Jan. 20.
Floor rack for refrigerator cars. W. H. Keleher. 2,625,889, Jan. 20.
Flotation machine. R. Carbonnier. 2,626,052, Jan. 20.
Fluid applicator, including movable wick and roller. J. H. Morrow and S. J. Fenyessey. 2,625,701, Jan. 20.
Fluid clutch with slidable bearing. T. L. Fawick. 2,626,031, Jan. 20.
Fluid heating apparatus. M. W. Barnes. 2,625,917, Jan. 20.
Fluid heating apparatus. P. R. Grossman. 2,626,141, Jan. 20.
Fluid heating apparatus. T. M. Lumly. 2,625,918, Jan. 20.
Fluid seal. L. A. Johnson, F. A. Helfrecht, and H. T. Stewart. 2,626,169, Jan. 20.
Fluid stream and spray gun having a clean out pin. H. A. Roselund. 2,626,185, Jan. 20.
Fluidized solids flow control system. H. M. Hart. 2,626,247, Jan. 20.
Fluorescent light fixture for circular fluorescent lamps. W. H. Stoller. 2,626,346, Jan. 20.
Fluash tank ball shaft. Flexible. E. D. Clifton, Sr. 2,625,891, Jan. 20.
Fluash tank lever attachment. J. Hochberger. 2,625,892, Jan. 20.
Foli handling mechanism for stamping machines. L. A. Kingsley. 2,625,763, Jan. 20.
Foldable receptacle. F. G. and S. H. Dohbs. 2,625,975, Jan. 20.
Frangible means for dispensing cartons. B. J. Hicklin. 2,626,096, Jan. 20.
Frangible piston ring. E. W. Patterson. 2,626,193, Jan. 20.
Friction heat generator. H. W. Love and S. La Monica. 2,625,929, Jan. 20.
Fuel feed control for liquid fuel ranges. W. L. Gappa and C. E. Buerki. 2,625,991, Jan. 20.
Fuel oil composition. C. Wies, J. B. R. Caron, and E. B. Glendinning. 2,626,207, Jan. 20.
Functional type house. H. S. and I. G. Clark. 2,625,714, Jan. 20.
Furniture, store wall. A. Vanderveld. 2,626,198, Jan. 20.
Fuse, tamper resisting. F. G. von Hoorn. 2,626,300, Jan. 20.
Galvanometer. F. W. Side. 2,626,296, Jan. 20.
Game, electrical scoring. J. T. Clark and G. J. Schommer. 2,626,312, Jan. 20.
Garden marker. L. M. Cleal. 2,625,760, Jan. 20.
Garment supporting and stretching device, portable. A. Reguitti. 2,626,091, Jan. 20.
Gas burner flash tube ignition apparatus. C. C. Lamar. 2,625,993, Jan. 20.
Gas burner formed by stacked annular members. D. Shepherd and H. J. Welch. 2,625,994, Jan. 20.
Gas turbine apparatus with air-cooling means. G. M. Mierley and J. N. Schlotter. 2,625,793, Jan. 20.
Gas turbine power plant with diverse combustion and diluent air paths. R. M. Williams and C. N. Lawter. 2,626,794, Jan. 20.

- Gasifying carburetor. J. E. Farrell. 2,625,920, Jan. 20.
Gate latch. C. E. Wallace. 2,626,171, Jan. 20.
Gauge: See—
Liquid level gauge.
Gear shift mechanism. D. H. Spangler. 2,625,836, Jan. 20.
Generator: See—
Friction heat generator. Welding generator.
Ultrahigh-frequency generator.
Generator cooling. R. A. Baudry and P. R. Heller. 2,626,305, Jan. 20.
Geneva mechanism. O. A. Johnson. 2,625,833, Jan. 20.
Goggle assembly. W. C. Moeller. 2,625,685, Jan. 20.
Golf practice target device. J. I. Miller. 2,626,152, Jan. 20.
Golf practicing apparatus. G. M. Jenks. 2,626,161, Jan. 20.
Golf tee. J. A. Karna. 2,626,150, Jan. 20.
Governor for automatic opening control of parachutes. H. G. Heinrich. 2,626,117, Jan. 20.
Gravity bed reactor. K. M. Watson. 2,626,205, Jan. 20.
Grease gun, electric hand. G. G. MacKinnon. 2,626,085, Jan. 20.
Grille. W. W. Kennedy. 2,625,873-4, Jan. 20.
Grinding machine. J. C. Moore. 2,625,772, Jan. 20.
Hamper, laundry. J. J. Weldon and B. L. Levitt. 2,625,973, Jan. 20.
Hand catapult. E. P. Foster. 2,625,926, Jan. 20.
Hand or power-operated actuating mechanism. B. V. Coleman. 2,625,839, Jan. 20.
Handle for containers, detachable. R. S. Barber. 2,626,174, Jan. 20.
Heat exchange of fluidized solids with gases and vapors. F. T. Barr and W. A. Rex. 2,626,234, Jan. 20.
Heat exchanger device. L. Raskin. 2,626,130, Jan. 20.
Heating system, hot water. L. E. Rollins. 2,626,107, Jan. 20.
Heating vessels, means for. C. O. Glasgow and J. L. Maher. 2,625,915, Jan. 20.
Heavy-duty meter facilities. R. A. Road and O. K. Coleman. 2,626,309, Jan. 20.
Helicopter stabilizing device. E. R. Doak. 2,625,997, Jan. 20.
Helmet, crash. H. P. Roth and C. F. Lombard. 2,625,883, Jan. 20.
Herbicide composition, selective. F. J. Sowa. 2,626,212, Jan. 20.
High-pressure fluid hydraulic propulsion system having means for avoiding shocks. C. P. Baldwin. 2,625,913, Jan. 20.
Hitch for tractors, pull-up. G. L. Gustafson. 2,626,125, Jan. 20.
Hoisting and lifting device. H. L. Braun. 2,626,176, Jan. 20.
Holder: See—
Adjustable indicator hold-er. Cosmetic holder.
Bobbin holder. Retractable lipstick hold-er.
Box holder. Toothbrush holder.
Coin holder.
Hose coupling. I. A. Lake. 2,626,167, Jan. 20.
Hydantoin derivative. R. Gaudry. 2,626,263, Jan. 20.
Hydraulic apparatus, including a drive motor and automatic control means for the motor. E. M. May. 2,625,912, Jan. 20.
Hydraulic drive for motor vehicles. J. T. Antie, Jr. 2,626,001, Jan. 20.
Hydraulic eductor valve. H. H. Poort and J. H. Shaver. 2,625,797, Jan. 20.
Hydraulic link in brake mechanism. L. W. McAlpine. 2,626,021, Jan. 20.
Hydrocarbon synthesis. R. F. Vandaveer. 2,626,274, Jan. 20.
Ice pick sheath. J. R. Rose. 2,626,092, Jan. 20.
Illuminated vanity case. H. C. Weiss, Jr. 2,626,942, Jan. 20.
Illuminating means for spinning and twining machines. C. O. Melner. 2,625,785, Jan. 20.
Impeller. W. H. Weisab. 2,625,884, Jan. 20.
Implement for tractors, rear mounted. A. G. Buhr. 2,625,869, Jan. 20.
Indicator: See—
Automobile truck direction indicator. Cloud height indicator.
Brake lever actuated oil level indicator. Electric outlet circuit indicator.
Weighing scale indicator.
Inflating mechanism adjustable for high or low pressure ranges. W. P. Dalrymple. 2,625,949, Jan. 20.
Inhibiting foam in steam generation. A. L. Jacoby. 2,626,243, Jan. 20.
Ink pump. H. J. Mumma. 2,625,885, Jan. 20.
Inking mechanism for printing machines. F. Spence. 2,625,879, Jan. 20.
Insula having cookie for shoes. P. G. Flint and J. J. Maguire. 2,625,751, Jan. 20.
Instrument, indicating. R. T. Schumann. 2,626,365, Jan. 20.
Insulated shingle producing machine. R. Patterson. 2,625,978, Jan. 20.
Insulating materials. H. Thurnauer and J. Deaderick. 2,626,220, Jan. 20.
Intensely working plastic materials, method and apparatus for. E. G. Schafner. 2,625,709, Jan. 20.
Interference eliminating circuits. I. H. Page. 2,626,340, Jan. 20.
Interpolymers of trihaloalkenes. P. O. Tawney. 2,626,252, Jan. 20.
Joggling device for piled sheets. N. Gjesten. 2,626,147, Jan. 20.
Joint: See—
Tool joint.
Journal box lid. A. O. Buckius. 2,626,191, Jan. 20.
Knife blade assembly, pivoted. F. E. Gruber. 2,625,738, Jan. 20.
Knitting. E. St. Pierre. 2,625,807, Jan. 20.
Lamp to illuminate the keyboard and music rack of organs. W. L. Caldwell and S. G. Bowman. 2,626,345, Jan. 20.
Latch: See—
Baggage latch. Gate latch.
Lawn edge trimmer and cultivator. W. M. Miller. 2,625,871, Jan. 20.
Lifting magnet. H. E. Hodgson. 2,626,310, Jan. 20.
Lipstick shaper. O. A. Prey. 2,625,943, Jan. 20.
Liquid distributor for cooling apparatus. L. R. Obert. 2,626,129, Jan. 20.
Liquid-gas separator. J. H. Anderson. 2,626,006, Jan. 20.
Liquid graduate. E. L. Erickson. 2,625,823, Jan. 20.
Liquid level gauge. R. C. Whitehead, Jr. and C. E. West. 2,625,820, Jan. 20.
Liquid pepper composition and producing the same. C. Johnstone and F. R. Schumm. 2,626,218, Jan. 20.
Load suspension link. F. W. Jessop. 2,626,175, Jan. 20.
Locating fish for beheading. N. L. Oates. 2,625,708, Jan. 20.
Locator for fish. N. L. Oates. 2,625,706, Jan. 20.
Lock: See—
Double element setback. Pendulum lock.
Motorcycle lock. Plunger type lock.
Lock for firearms, safety. R. L. Magaro. 2,625,765, Jan. 20.
Locomotive regeneration control. C. E. Baston. 2,626,374, Jan. 20.
Loom: See—
Needle loom.
Loom harness. J. J. Kaufmann. 2,625,958, Jan. 20.
Loop warp tension-variable beat-up apparatus for terry looms. T. C. Sippel. 2,625,956, Jan. 20.
Lubricant distributor. C. F. Erickson. 2,626,015, Jan. 20.
Machine for boring articles. E. A. Arp. 2,625,843, Jan. 20.
Machine for closing cartons while the cartons are being translated. W. A. Wood. 2,625,778, Jan. 20.
Machine for coating rulers. B. S. Dombrowski. 2,625,904, Jan. 20.
Machine for determining pipe contours in pipe joints. A. Jeonin. 2,625,741, Jan. 20.
Machine spindle device. C. L. Theining. 2,625,845, Jan. 20.
Magnetic investigation. O. H. Schmitt. 2,626,308, Jan. 20.
Making pastry. M. P. Semple. 2,625,893, Jan. 20.
Masonry pointing tool. L. S. Spallone. 2,625,816, Jan. 20.
Master controller. C. E. Baston and H. M. Futral. 2,626,326, Jan. 20.
Material handling device. J. B. Ezell and J. G. Tucker, Jr. 2,626,070, Jan. 20.
Means for more easy starting of inverters at light loads. E. Levy, Jr. 2,626,378, Jan. 20.
Measurement of electrical winding temperatures. G. M. Stein. 2,625,821, Jan. 20.
Measuring device. L. O. Mitchell. 2,626,337-8, Jan. 20.
Measuring valve for centralized lubricating systems. W. Schmid. 2,626,014, Jan. 20.
Meat-shaping apparatus. C. A. Hammerberg. 2,625,876, Jan. 20.
Mechanical log barker. H. J. Eklund and C. W. Miller. 2,625,968, Jan. 20.
Mechanism for use in stock feeding devices. R. H. Lowe. 2,625,832, Jan. 20.
Medical dusting powder. C. G. Caldwell, T. A. White, W. L. George, and J. J. Eberl. 2,626,257, Jan. 20.
Merchandise display cabinet. G. C. Kennedy. 2,625,806, Jan. 20.
Mercury switch. G. J. Denning. 2,626,333, Jan. 20.
Metal clip-on safety toe. L. S. Null and M. T. Sharatz. 2,625,753, Jan. 20.
Metal extension slide structure. F. B. Walter. 2,626,195, Jan. 20.
Meter for industrial liquids. R. B. Pressler. 2,625,914, Jan. 20.
Method and apparatus for solid transfer. R. C. Wilson, Jr. 2,626,235, Jan. 20.
Micrometer, outside. J. A. Stedman. 2,625,745, Jan. 20.
Microphone. C. K. Stedman and F. H. Smith. 2,626,380, Jan. 20.
Microwave slot coupling. J. E. Gibson. 2,626,316, Jan. 20.
Mining machine. J. C. Sproul. 2,626,140, Jan. 20.
Mining machine. J. M. Towler. 2,626,139, Jan. 20.
Mirror, mouth. G. C. Dreher. 2,625,858, Jan. 20.
Mitt, baseball. H. B. Latina. 2,625,688, Jan. 20.
Mixing device. H. E. Serner. 2,626,135, Jan. 20.
Mixing device for frozen confections. C. Reed. 2,626,132, Jan. 20.

- Modified up-draft type of heaters. M. W. Barnes. 2,625,916, Jan. 20.
- Modulating gas burner. V. S. Beck. 2,626,105, Jan. 20.
- Mold liner for type casting machines. J. Barnes. 2,626,044, Jan. 20.
- Mold structure. L. H. Lockwood. 2,625,710, Jan. 20.
- Molders station sand screen. R. L. McIlvaine. 2,626,053, Jan. 20.
- Molding apparatus for shaping fluid distensible bags for actuation of clutches and brakes. T. L. Fawick. 2,625,711, Jan. 20.
- Molding machine, Pie and like. W. H. Elvia. 2,625,892, Jan. 20.
- Mortar veneer template. C. N. Acker. 2,625,747, Jan. 20.
- Motor: See—
- Direct-current electric motor. Snap-acting fluid motor. 2,625,960, Jan. 20.
- Motor and belt drive for tilt arbor saws. W. G. Copp. 2,625,960, Jan. 20.
- Motor control system. E. L. Harder, R. I. Greenwood, R. W. Moore and L. F. Stringer. 2,626,376, Jan. 20.
- Motorcycle lock. L. E. Hinds. 2,625,813, Jan. 20.
- Motor testing device. F. W. Sahr and M. W. Hellar, Jr. 2,626,307, Jan. 20.
- Mottled plastic sheet material. Making. L. Enby. 2,625,712, Jan. 20.
- Mounting: See—
- Flexible windshield mounting. 2,625,757, Jan. 20.
- Mounting for campaign ribbons and medals. J. Wolf. 2,625,757, Jan. 20.
- Multiple-bar gluing clamp. M. E. Wetzler. 2,625,970, Jan. 20.
- Multiple group gas burner with independent fuel and secondary air supplies. V. S. Beck. 2,625,992, Jan. 20.
- Multiple sheet glazing unit. R. W. Wampler and C. M. Browne. 2,625,717, Jan. 20.
- Multiple windrowing disk type mower. C. W. Kelsey. 2,625,784, Jan. 20.
- Multistaged hydraulic power device. W. A. Trant. 2,625,796, Jan. 20.
- Multistation duplex system. H. C. Cheek and P. L. Newbury. 2,626,310, Jan. 20.
- Necktie, Reversible. S. Sherman. 2,625,687, Jan. 20.
- Needle loom. R. G. Turner. 2,625,959, Jan. 20.
- Nitrobenzoxazoles. R. O. Clinton and S. C. Laskowski. 2,626,260, Jan. 20.
- Nitrotertiaryaminobenzonitriles. R. O. Clinton and S. C. Laskowski. 2,626,201, Jan. 20.
- Noncorrosive soluble oil containing active sulfur. A. J. Deuster and F. T. Crookshank. 2,626,240, Jan. 20.
- Nooskid tire chain attachment. C. H. Reynolds. 2,625,976, Jan. 20.
- Nonupsetting garbage can. C. L. Hutchisson, Jr., and J. D. Spaulding. 2,626,078, Jan. 20.
- Nozzle, Injector. T. H. Nakken. 2,626,186, Jan. 20.
- Oil filter. D. A. Macro. 2,626,056, Jan. 20.
- Oil filter for diesel locomotive engines. M. L. Clabaugh. 2,626,057, Jan. 20.
- Oil pot for vertical-shaft machine. R. A. Baudry and G. E. Peterson. 2,626,192, Jan. 20.
- Oil tank water drainer. F. Henigman. 2,626,054, Jan. 20.
- 1,4-quinoxaline-di-N-Oxides. J. K. Landquist and G. J. Stacey. 2,626,259, Jan. 20.
- One revolution clutch. J. R. Brounger. 2,626,028, Jan. 20.
- Onion harvester machine. H. Tateyama. 2,625,781, Jan. 20.
- Organosiloxanes. J. L. Speler. 2,626,272, Jan. 20.
- Organosiloxanes, Production of. A. J. Barry, D. E. Hook, and L. De Pree. 2,626,271, Jan. 20.
- Oscillator circuit. R. C. Cheek. 2,626,334, Jan. 20.
- Oscillator, Variable frequency. P. A. Hoffman and G. K. Jensen. 2,626,335, Jan. 20.
- Oven, Baker's. R. Bolling. 2,626,341, Jan. 20.
- Oven with removable partitions. Stove. H. C. Gould. 2,625,928, Jan. 20.
- Oxidation of petroleum fractions. S. R. Merley and A. Kofot. 2,626,277, Jan. 20.
- Packaging machine and method of packaging. C. J. Malhot. 2,625,777, Jan. 20.
- Packaging with pull strip. B. J. Tamarin and A. Meletti. 2,625,775, Jan. 20.
- Padded metal article. C. S. Phillips. 2,625,931, Jan. 20.
- Paint applicator. R. E. Grubbs. 2,625,702, Jan. 20.
- Paint can brush scraper. R. A. Weed. 2,626,081, Jan. 20.
- Panoramic receiver. E. T. Wilbur. 2,626,350, Jan. 20.
- Paper feeding mechanism for box wrapping machines. C. J. Peterson. 2,625,779, Jan. 20.
- Paper from long synthetic fibers and partially water soluble sodium carboxymethylcellulose and method. F. H. Osborne. 2,626,214, Jan. 20.
- Patch gluec utilizing high-frequency electricity. J. W. Mano. 2,625,969, Jan. 20.
- Pebble heater apparatus and method of operation. L. C. Bearer. 2,626,287, Jan. 20.
- Pedal clavier switch mechanism. L. Hammond and G. H. Stephens. 2,626,325, Jan. 20.
- Pendulum lock. N. E. Hart. 2,626,143, Jan. 20.
- Perambulator. W. Erwin. 2,626,162, Jan. 20.
- Perforated ribbon mounting for electrical conductors. L. J. Link. 2,626,303, Jan. 20.
- Phase inverter circuits. W. Y. Pan. 2,626,321, Jan. 20.
- Phonograph record automatic changing device. H. J. Jablonki. 2,626,157, Jan. 20.
- Phonograph record cabinet construction. A. C. Sides. 2,626,196, Jan. 20.
- Phonograph record demonstrator. A. Lissiansky. 2,626,158, Jan. 20.
- Photographic slide ejector-receptacle. G. J. Kollock. 2,626,197, Jan. 20.
- Piezoelectric crystal and making it. J. D. Holmbeck. 2,626,363, Jan. 20.
- Pin: See—
- Safety pin. Pin curler for cold waving. E. G. Harrington. 2,625,941, Jan. 20.
- Pin fastener. J. E. Sampson. 2,625,725, Jan. 20.
- Pin spotter for miniature bowling games. R. O. Lowry. 2,626,154, Jan. 20.
- Pineapple box with stacking feature and hinged end gate. W. L. Hole. 2,626,076, Jan. 20.
- Pipe smoker's accessory. P. S. Harper. 2,625,939, Jan. 20.
- Piston cylinder apparatus. S. Michalak. 2,625,910, Jan. 20.
- Pivot catch, Dual. R. K. Nottingham. 2,626,170, Jan. 20.
- Plastic plant label. I. L. Shepherd. 2,625,758, Jan. 20.
- Plow, Ditch forming. J. F. Morgan. 2,625,754, Jan. 20.
- Plug: See—
- Air-cooled spark plug. Plunger type lock. D. C. Hay. 2,625,812, Jan. 20.
- Plural-passage rotary fluid seal. T. L. Fawick. 2,626,166, Jan. 20.
- Pneumatic tires, Making. M. Castricum. 2,625,980, Jan. 20.
- Pneumatic tires, Making. E. H. Wallace. 2,625,981, Jan. 20.
- Pneumatic trouser cuff and pocket cleaner. J. O. Deveau. 2,625,703, Jan. 20.
- Polymerization in the presence of a fluid solid polymerization catalyst. F. R. Russell. 2,626,289, Jan. 20.
- Polymerizing olefins with a phosphoric acid slurry catalyst. W. K. Fell and J. D. Leslie. 2,626,290, Jan. 20.
- Polymerizing trifluorochloroethylene. W. T. Miller and J. T. Maynard. 2,626,254, Jan. 20.
- Polynomial equation solver. R. Serrell and E. A. Goldberg. 2,626,103, Jan. 20.
- Pose-reflecting photographic apparatus. L. G. Simjian. 2,625,857, Jan. 20.
- Poultry suspending device. J. M. Lilltjohann. 2,625,707, Jan. 20.
- Powdered and granulated material container with self-closing dispensing valve. E. J. Osafar. 2,626,089, Jan. 20.
- Power circuit control system. A. V. Johansson. 2,626,362, Jan. 20.
- Power-driven sewer cleaner. M. L. Jurasevich. 2,625,699, Jan. 20.
- Power transmission system. N. W. Lewis. 2,625,841, Jan. 20.
- Precision strip feed mechanism. H. G. Oetz and H. F. Ruchmann. 2,626,146, Jan. 20.
- Pre-feed table and conveyor for fish dressing machine. N. L. Oates. 2,626,037, Jan. 20.
- Presser lifting mechanism for sewing machines. F. F. Zeiler. 2,626,805, Jan. 20.
- Pressure spray oil burner. G. H. Toftmann. 2,626,187, Jan. 20.
- Print developer. D. R. L. Cornwell and J. Taini. 2,625,866, Jan. 20.
- Print developer. J. Taini. 2,625,865, Jan. 20.
- Printed transfer and using same. J. E. Adair. 2,626,226, Jan. 20.
- Printing rollers, Manufacturing. J. Spencer. 2,626,222, Jan. 20.
- Problem teaching device using answer blocks. A. H. Merrill. 2,625,750, Jan. 20.
- Propeller mechanism. K. L. Berninger and J. F. Haines. 2,625,998, Jan. 20.
- Protector: See—
- Coupler pin protector. Shoe protector. Face protector. Pulse discriminating circuit. L. W. Alvares. 2,626,352, Jan. 20.
- Pump: See—
- Ink pump. Variable stroke multiplication pump. Pump. L. H. Browne. 2,625,846, Jan. 20.
- Pump for type casting. J. R. Ross. 2,625,720, Jan. 20.
- Pumping apparatus. F. R. Forrest. 2,626,086, Jan. 20.
- Pumping mechanism. J. E. Davis and A. Sandhofer. 2,625,882, Jan. 20.
- Purification of naphthalene. B. F. Tatterson. 2,626,236, Jan. 20.
- Quenching apparatus. Q. M. Bloom. 2,625,944, Jan. 20.
- Quenching device. H. W. Secor. 2,625,945, Jan. 20.
- Quick-change barrel. C. E. Simpson. 2,625,766, Jan. 20.
- Quick-freeze method and apparatus. R. M. Magnuson. 2,625,805, Jan. 20.
- Rack: See—
- Collapsible display rack. Display rack. Radio and television receiver, Combination. K. E. Farr. 2,626,315, Jan. 20.

- Radio-clock-lamp combination. B. B. Gilmore. 2,626,327, Jan. 20.
- Radio direction indicating system. W. J. O'Brien. 2,626,392, Jan. 20.
- Radio-frequency filter. W. A. R. Malm. 2,626,317, Jan. 20.
- Radio-frequency transformer and inductance element therefor. A. J. Torre. 2,626,318, Jan. 20.
- Rail retaining structure. L. Spencer. 2,626,108, Jan. 20.
- Receiving apparatus for radio-frequency navigation systems. W. J. O'Brien. 2,626,391, Jan. 20.
- Receptacle: See—
- Foldable receptacle. Waterproof receptacle. Receptacle dumping apparatus. A. D. Smith. 2,626,071, Jan. 20.
- Recirculating dusting system. J. F. Campbell. 2,626,011, Jan. 20.
- Recording instrument pen mechanism. D. A. Young, L. J. Lunas, and J. C. Nyc. 2,626,201, Jan. 20.
- Recovery of cyclopentadiene. W. D. Spaulding and B. K. Wasserkug. 2,626,285, Jan. 20.
- Recovery of organic oxygen-containing compounds from mixtures of hydrocarbon oils. H. J. Hishman. 2,626,276, Jan. 20.
- Reflecting light ray screen system. C. H. Van Orden. 2,626,852, Jan. 20.
- Refrigerator, Open front self-service. P. H. Brinkoeter. 2,625,799, Jan. 20.
- Regenerating cobalt catalysts by oxidation. E. A. Naragon, J. H. Vergilio, and A. J. Millendorf. 2,626,246, Jan. 20.
- Regulator for variable nozzle gas turbine power plants. N. E. Starkey. 2,625,789, Jan. 20.
- Removal of ammonia in boiler feedwater systems. Method and apparatus for. J. F. Seibald. 2,626,005, Jan. 20.
- Removal of finely divided solids from polymerization streams. E. J. Gornowski. 2,626,292, Jan. 20.
- Replacelising polymeric metallo-carboxylates. H. P. Brown. 2,626,248, Jan. 20.
- Resetting and interlock mechanism for liquid dispensing apparatus. H. N. Bliss and O. Wild, Jr. 2,626,082, Jan. 20.
- Resol-alkyd resin products. H. Hsnel and H. Manzano. 2,626,240, Jan. 20.
- Reticle mount and adjusting mechanism. J. L. Rawlings. 2,625,742, Jan. 20.
- Retractable lipstick holder. R. A. Rosen. 2,626,048, Jan. 20.
- Retractable tray for automobile instrument panels. P. A. Clower. 2,626,194, Jan. 20.
- Ring: See—
- Frangible piston ring. Rod: See—
- Cold wave curling rod. Welding rod. Roller adjusting mechanism for rotary printing presses. J. R. Baumgartner. 2,625,878, Jan. 20.
- Roof construction for passenger-type railway cars. A. O. Dean. 2,625,800, Jan. 20.
- Root rake shoe. T. W. Peacock and G. W. Peacock, Sr. 2,625,870, Jan. 20.
- Rotary abrasive head. A. R. Tenny. 2,625,774, Jan. 20.
- Rotary drum suction filter. F. H. Allman-Ward. 2,626,058, Jan. 20.
- Rotary fluid machine assembly. J. A. Petrie. 2,625,790, Jan. 20.
- Rotating chance game apparatus. J. B. Bergh. 2,626,156, Jan. 20.
- Safety crash pad for vehicles. F. M. Scantlebury. 2,626,163, Jan. 20.
- Safety device for hydraulic brakes. E. H. Owens. 2,625,951, Jan. 20.
- Safety device for motor vehicles with automatic transmissions. H. A. Kutzer. 2,626,003, Jan. 20.
- Safety fuse for room heaters and the like. A. J. Huck. 2,626,340, Jan. 20.
- Safety load bracing device for vehicles. P. Snyder. 2,626,165, Jan. 20.
- Safety pin. J. E. Sampson. 2,625,724, Jan. 20.
- Safety switch. A. M. Lessard. 2,626,328, Jan. 20.
- Sales stimulating panel. J. A. T. Ellison. 2,626,389, Jan. 20.
- Sash of metal profiles for windows and doors. E. S. Persson. 2,626,024, Jan. 20.
- Saw, Hand band. W. R. Green and V. E. Long. 2,625,964, Jan. 20.
- Saw sharpener. J. McEwan. 2,626,842, Jan. 20.
- Scaffold structure. E. Brown. 2,626,189, Jan. 20.
- Screen: See—
- Molders station sand screen. Screw-holding and screw-driving tool. J. S. Stull. 2,625,967, Jan. 20.
- Screw holding attachment for cruciform bit screw drivers. L. E. Bier. 2,625,971, Jan. 20.
- Sealed toggle valve operating mechanism. E. T. McCarthy. 2,626,124, Jan. 20.
- Seat: See—
- Child's seat. Seat and rack support, Combination. A. M. and A. G. Morgan. 2,625,945, Jan. 20.
- Selective signaling system. M. B. Winkler. 2,626,384, Jan. 20.
- Self-closing valve. W. G. Miller. 2,625,953, Jan. 20.
- Separation of volatile from nonvolatile constituents of an aqueous molasses fermentation residue. K. H. Warren. 2,626,237, Jan. 20.
- Separator: See—
- Liquid-gas separator. Separator for cartridge cartons. R. C. Marshall. 2,626,077, Jan. 20.
- Series of nitrofurans compounds comprising the acyl hydrazones ammonium salts of 6-nitroacyl furans. W. C. Ward. 2,626,256, Jan. 20.
- Shaft coupling mechanism. R. H. Anderson. 2,626,027, Jan. 20.
- Shelf partition. J. E. Echlin. 2,626,063, Jan. 20.
- Shipping frame for glass. Folding. J. M. Freiberg. 2,626,050, Jan. 20.
- Shoe protector. K. M. Kemp. 2,625,762, Jan. 20.
- Shuttle filling guide and tensioning device. P. E. Dean. 2,625,960, Jan. 20.
- Side extension for cribs and the like. J. L. Moss. 2,625,694, Jan. 20.
- Sign holding device. T. P. McColl. 2,625,762, Jan. 20.
- Signal-operated variable-gain amplifying system. L. H. Appleman. 2,626,322, Jan. 20.
- Sinus and facial mask. M. A. Fogel and I. Rubin. 2,626,343, Jan. 20.
- Sleeping bag made of paper. J. W. Nicholson. 2,625,695, Jan. 20.
- Slide fastener. B. R. Austin. 2,625,726, Jan. 20.
- Sliding connector for bus bar sections. H. J. Hammett. 2,626,298, Jan. 20.
- Sling shot magazine. W. W. Osborne. 2,625,925, Jan. 30.
- Slub catcher. S. L. Abbott. 2,626,732, Jan. 20.
- Slurry distributor for seed treaters. M. W. Guyer. 2,626,131, Jan. 20.
- Slurry polymerization process. S. B. Sweetser. 2,626,293, Jan. 20.
- Snap-acting fluid motor. J. W. Jacoba. 2,626,183, Jan. 20.
- Sofa bed binger. H. Raginsky. 2,625,893, Jan. 20.
- Solar-heating structure. C. W. Harris. 2,625,930, Jan. 20.
- Sole straightening device for shoes. N. C. Dahl. 2,625,696, Jan. 20.
- Solid phosphoric acid slurry polymerization process. R. L. Betts and J. D. Leslie. 2,626,291, Jan. 20.
- Solvent extraction, Method and apparatus for. O. R. Greenbank. 2,626,265, Jan. 20.
- Solvent fractionation of wax-containing mixtures. E. W. Clarke. 2,626,230-1, Jan. 20.
- Sound recording and reproduction. G. Bergson. 2,626,320, Jan. 20.
- Spray gun. W. P. Dalrymple. 2,626,188, Jan. 20.
- Spray gun valve. L. W. Lammiman. 2,626,122, Jan. 20.
- Spring assembling machine. E. L. Broustien and J. N. Woodington. 2,626,962-3, Jan. 20.
- Spring type overload release clutch. R. P. Gutterman. 2,626,029, Jan. 20.
- Stable distillate fuels from cracked stocks, Preparation of. R. H. Brown. 2,626,208, Jan. 20.
- Stapler, Table type. F. S. Boroughs. 2,625,681, Jan. 20.
- Stapling machine. T. J. Finn. 2,625,680, Jan. 20.
- Stapling mechanism. J. Cristiano. 2,625,682, Jan. 20.
- Starter for internal-combustion engines. W. R. King. 2,625,923, Jan. 20.
- Station registration in centralized traffic control system for railroads. N. B. Coley. 2,626,383, Jan. 20.
- Steering mechanism, Automatic. R. C. Alderson. 2,626,114, Jan. 20.
- Steering wheel clamp for automobiles. E. W. Holmes, Jr. 2,625,837, Jan. 20.
- Stock chute and endgate. H. G. Troth and F. G. Dammann. 2,626,182, Jan. 20.
- Stool having means to lock it against rolling. Rolling. K. H. Pond and F. Rogers. 2,625,989, Jan. 20.
- Storage battery electrode and making. J. B. Brennan. 2,626,294, Jan. 20.
- Straw chopper and spreader for harvesters. E. S. Thompson. 2,626,159, Jan. 20.
- Sugar sanding machine for confections and the like. J. Opie. 2,625,903, Jan. 20.
- Supplying sheet material articles. C. W. Vogt. 2,626,074, Jan. 20.
- Suppressing the oxidation of CO to CO₂ in a fired bed regenerator. A. V. Grosse. 2,626,245, Jan. 20.
- Surface-active composition. W. A. Feasler. 2,626,244, Jan. 20.
- Surface coating composition and preparing the same. J. C. Petropoulos and L. E. Cadwell. 2,626,250, Jan. 20.
- Surface discharge spark plug for low voltages and condenser discharge. W. B. Smith. 2,626,922, Jan. 20.
- Surgical wire feeding device. T. W. Halliday. 2,625,934, Jan. 20.
- Suspending a boat from a trailer, Means for. C. H. Holsclaw. 2,626,072, Jan. 20.
- Suspending means for harness frames. P. C. Consoletti. 2,625,957, Jan. 20.
- Suspension means for vertical shafts. F. C. Baker. 2,626,120, Jan. 20.
- Sweetening hydrocarbons. R. M. Love. 2,626,232, Jan. 20.
- Switch: See—
- Electric switch. Mercury switch. Electrical switch. Safety switch. Switch assembly. R. H. Chute. 2,626,336, Jan. 20.
- Switch for relay circuits for automobiles or the like. J. E. Echlin, E. A. Nordberg, and E. J. Sambrook. 2,626,373, Jan. 20.
- Synchronizing system. V. J. Duke. 2,626,390, Jan. 20.

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Synthesis of aliphatic silanes. A. J. Barry, L. De Pree, and D. E. Hook. 2,626,268, Jan. 20.
 Synthetic resin and insulated products produced therefrom. F. A. Sattler, J. Swiss, and J. G. Ford. 2,626,223, Jan. 20.
 Syringe with vernier adjustment. A. S. Howard and W. Seleznick. 2,626,087, Jan. 20.
 t-butylsilanes. L. H. Sommer. 2,626,270, Jan. 20.
 Table for detachable connection to chairs. B. Sig. 2,625,986, Jan. 20.
 Tail gate for loading and unloading vehicles. R. F. W. Berford and C. W. Wood. 2,626,087, Jan. 20.
 Takeup apparatus. E. D. Hanson. 2,626,111, Jan. 20.
 Tape roll supporting means. A. T. Hart. 2,626,109, Jan. 20.
 Target for particle accelerators. F. R. Weber, Jr. 2,626,359, Jan. 20.
 Telecentric objective. R. M. Muller. 2,625,836, Jan. 20.
 Telescope device. Panoramic. R. Hayward. 2,625,853, Jan. 20.
 Telescope, Panoramic binocular. R. Hayward. 2,625,854, Jan. 20.
 Temple. H. E. Renaud. 2,625,748, Jan. 20.
 Tension testing device for the upper and lower threads of lock-stitch sewing machines. C. R. Miller. 2,625,819, Jan. 20.
 Testing device for flash cameras. J. Kirwin. 2,625,863, Jan. 20.
 Thermal shielded grill. J. F. Tatum. 2,625,875, Jan. 20.
 Thermostat. S. W. Nickells. 2,626,379, Jan. 20.
 Thio bis (benzene sulfonyl hydrazide). B. A. Hunter. 2,626,280, Jan. 20.
 Thioesters and their preparation. W. W. Crouch, R. T. Workman, and H. J. Fanning. 2,626,279, Jan. 20.
 Thread processing reel having liquid applying and liquid removing means. H. A. Kulljian. 2,625,811, Jan. 20.
 3,5-dimethylphenoxymethanol-4-chloro-3,5-dimethylphenoxymethanol and their use as systemic fungicides for plants. J. A. Lambrecht. 2,626,227, Jan. 20.
 Thrust transmission device for material handling equipment. E. A. Drott. 2,625,755, Jan. 20.
 Timing device, Coin-operated. V. Trad. 2,625,996, Jan. 20.
 Tissue interfolding method and apparatus. B. N. Sabee. 2,626,143, Jan. 20.
 Tobacco holder and cigarette maker, Combination. W. E. Sperry. 2,625,937, Jan. 20.
 Tool: See—
 Masonry pointing tool.
 Screw-holding and crew-driving tool.
 Tool for gripping fish and other objects. J. J. Campbell. 2,626,178, Jan. 20.
 Tool for hydraulically displacing well materials. W. A. Maxwell and J. A. Engstrand. 2,626,177, Jan. 20.
 Tool for shaving down local protuberances. J. Plester. 2,625,860, Jan. 20.
 Tool joint. E. G. Boice. 2,626,190, Jan. 20.
 Toothbrush holder. N. W. Knowles. 2,626,199, Jan. 20.
 Toothbrush with oscillating head. B. Cyser. 2,625,697, Jan. 20.
 Tooth powder dispenser. A. Wekerle. 2,626,084, Jan. 20.
 Torpedo launching device. S. C. Miller. 2,625,899, Jan. 20.
 Torque balancing adjuster for electrical meters. R. M. Lelpe. 2,626,297, Jan. 20.
 Torque converter fluid. S. K. Talley and F. J. Watson. 2,626,242, Jan. 20.
 Toy balloon. Self-sealing. J. Steen and E. P. Coskey. 2,625,770, Jan. 20.
 Toy, Bubble-blowing and sound-producing. F. H. Magnus. 2,625,768, Jan. 20.
 Toy gun with means for propelling toy bullets. I. Rosenbloom. 2,625,927, Jan. 20.
 Toy, Motorized wheeled figure. P. H. Herrick. 2,625,771, Jan. 20.
 Toy, Tubular construction. H. P. Hubbard. 2,625,769, Jan. 20.
 Tractor drive with tire directly driven. L. J. Wubbe. 2,626,002, Jan. 20.
 Tractor guide, Row crop type. W. T. Coles and C. E. Wells. 2,625,868, Jan. 20.
 Transmission. P. B. Saunders, Jr. 2,625,831, Jan. 20.
 Transmission delay measuring system. W. F. Elcher and L. H. Schwartz. 2,626,306, Jan. 20.

Traveling wave tube attenuator. G. F. Barnett and W. H. Chndleigh, Jr. 2,626,371, Jan. 20.
 Trouble light guard with detachable reflector. L. N. Baensiger. 2,626,347, Jan. 20.
 Truck, Railway. E. H. Blattner and G. F. Couch. 2,625,888, Jan. 20.
 Trunk lid and ornamental attachment therefor. F. N. Renaud, Jr. and S. J. Paxton. 2,626,181, Jan. 20.
 Twisting device for textile strands. N. E. Klein. 2,625,788, Jan. 20.
 Two-part ball construction, Making a. R. E. Klages. 2,625,738, Jan. 20.
 Typewriter line control attachment. B. Sternfeld. 2,626,036, Jan. 20.
 Ultrahigh-frequency generator. J. E. Gibson. 2,626,356, Jan. 20.
 Umbrella, Inflatable. H. Kaston and T. L. Fawick. 2,625,940, Jan. 20.
 Universal tender welt. C. D. West. 2,626,164, Jan. 20.
 Unloading mechanism for farm wagons. C. R. Bradshaw. 2,626,068, Jan. 20.
 Unwoven fabric. H. A. Secrist. 2,625,733, Jan. 20.
 Utility frame or supporting unit. P. D. Rice. 2,626,118, Jan. 20.
 V belt, Cog type. E. Nassimbene. 2,625,828, Jan. 20.
 Vacuum casting apparatus. J. H. Moore. 2,625,719, Jan. 20.
 Valve: See—
 Alternate tipping valve. Hydraulic eductor valve.
 Delayed action pulsator. Self-closing valve.
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 Valve. I. V. Brumbaugh. 2,626,180, Jan. 20.
 Valve. L. W. Clover. 2,625,950, Jan. 20.
 Valve silencer and shock resistor unit. A. M. Schmidt. 2,625,919, Jan. 20.
 Valve structure. L. G. Daniels. 2,626,123, Jan. 20.
 Vapor phase production of beta-methylmercaptopropanaldehyde. M. E. Cunningham and L. K. Beach. 2,626,282, Jan. 20.
 Variable pitch propeller. W. M. Joyce. 2,625,999, Jan. 20.
 Variable resistance distributed seismometer. B. W. Olson. 2,626,381, Jan. 20.
 Variable stroke multipiston pump. R. E. Anderson. 2,625,887, Jan. 20.
 Vehicle body construction, Automotive. J. L. Thompson. 2,626,180, Jan. 20.
 Venting closure and liner therefor. G. R. Miller, Jr., and A. W. Weidner. 2,626,073, Jan. 20.
 Vertical combustion accelerating grate. F. M. Poor. 2,625,894, Jan. 20.
 Washed air induction device for water pumping systems. C. Stevens. 2,626,138, Jan. 20.
 Washing agents. J. S. Brod and R. A. Henry. 2,626,264, Jan. 20.
 Washing machine, Centrifugal. K. Clark. 2,625,809, Jan. 20.
 Water soluble cationic resins. R. W. James and W. B. Ploga. 2,626,251, Jan. 20.
 Waterproof receptacle. W. V. Richards. 2,626,299, Jan. 20.
 Weed killer. F. J. Sowa. 2,626,211, Jan. 20.
 Weeder, Portable. W. C. Hands, Jr. 2,625,867, Jan. 20.
 Weighing machine and feed control means therefor, Automatic. L. W. Aldridge. 2,626,042, Jan. 20.
 Weighing scale indicator. M. A. Weckerly. 2,626,142, Jan. 20.
 Welding generator. M. Beymer. 2,626,367, Jan. 20.
 Welding rod. R. D. Wasserman. 2,626,339, Jan. 20.
 Winch, hoist, and the like. M. F. Sasgen. 2,626,126, Jan. 20.
 Window washing and drying device. F. W. Baldwin. 2,625,700, Jan. 20.
 Wire netting machine. F. Bergandi. 2,625,961, Jan. 20.
 Work mounting fixture. L. Swanson. 2,625,861, Jan. 20.
 Work table feeding mechanism for band saw machines. R. L. Crane. 2,625,965, Jan. 20.
 Wrench for radiator caps. J. R. Davies and L. C. Starkweather. 2,625,848, Jan. 20.
 Yarn lever controlling mechanism. I. H. C. Green and J. Wawsonok. 2,625,808, Jan. 20.
 Zirconium pigments. W. B. Blumenthal. 2,626,255, Jan. 20.
 Zirconium tetrachloride, Making. W. B. Blumenthal. 2,626,203, Jan. 20.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 20, 1958

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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D12— 2: Des. 168,650	Des. 168,665	D45— 4: Des. 168,655	23: Des. 168,654	D61— 1: Des. 168,645	D91— 1: Des. 168,651

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Patents	678—No. 2,626,393 to No. 2,627,070, inclusive
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Total	997

Patents expiring: Patent Numbers 2,028,738 to 2,029,282, inclusive, issued January 28, 1936, expire January 28, 1953

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Volume 666

Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

JACK GARRETT SCOTT, *Acting Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business January 9, 1953

Total number of patent applications awaiting action, 99,119. Date of oldest new application, April 7, 1952; date of oldest amended application, April 2, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) KEELY, J. E.			
1. GOLDBERO, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scatterer Unloaders; Sewerage.	4-25-52	4-25-52	1800
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers.	4-26-52	4-26-52	1296
3. MARMELSTEIN, N.-(WINDHAM, R. K., Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-28-52	5-2-52	1773
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus.	4-21-52	4-21-52	1453
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Oats.	4-25-52	4-18-52	1076
6. SURLE, H., Carbon Chemistry (part).	5-1-52	4-7-52	2208
7. GONSALVES, J. E.-(ANDERSON, E. O., Acting), Optics; Photography (part).	5-7-52	5-10-52	1396
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	5-20-52	5-17-52	1307
9. BRANSON, J. H., Pumps and Pans; Fluid Motors.	4-28-52	4-28-52	1391
10. REYNOLDS, E. R.-(NEFF, P. R., Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	5-10-52	5-8-52	1297
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	4-17-52	4-17-52	1275
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-11-52	4-10-52	1363
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	4-16-52	4-15-52	1341
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	4-29-52	4-25-52	1435
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	5-3-52	5-2-52	1626
16. LOVEWELL, N. N., Television, Telephony.	4-14-52	4-10-52	1456
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-17-52	4-15-52	1668
18. KURZ, J. A., Power Plants; Speed Responsive Devices.	5-15-52	5-13-52	725
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	4-14-52	4-14-52	1096
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-7-52	5-3-52	1304
21. MADER, R. C., Textiles.	4-9-52	4-14-52	1327
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	4-24-52	4-22-52	1130
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education.	4-14-52	4-15-52	900
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus; Sewing Machines; Textiles, Ironing or Smoothing.	5-2-52	5-6-52	1258
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	4-14-52	4-21-52	1431
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	5-9-52	5-9-52	1621
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making.	4-25-52	4-21-52	1501
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-6-52	5-6-52	1193
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus).	5-2-52	4-2-52	1188
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating Systems; Refrigeration; Illuminating Burners.	5-20-52	5-21-52	1487
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-15-52	4-10-52	2383
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-proportioning Systems.	5-2-52	5-7-52	1401
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	5-1-52	5-1-52	1709
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	4-16-52	4-15-52	1161
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles.	5-5-52	5-1-52	1312
36. McFADYEN, A. D., Measuring and Testing.	5-2-52	5-6-52	1088
37. LEVY, M. L., Electricity—Switches, Welding, Heating, Recorders.	4-24-52	5-8-52	1953
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	4-23-52	4-23-52	1500
39. WEIL, L., Fluid-Pressure Regulators; Valves; Fluid Handling (part).	7-3-52	6-30-52	1168
40. DRUMMOND, E. J., Receptacles (part); Packages.	7-5-52	7-1-52	1177
41. GURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-13-52	5-16-52	906

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 99,119. Date of oldest new application, April 7, 1952; date of oldest amended application, April 2, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	5-8-52	5-6-52	1098
43. ASP, N. A.—(KNIGHT, W. G., Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-10-52	5-13-52	1537
44. HARVEY, L. P., Beds; Chairs; Seats.	4-7-52	4-9-52	1145
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-15-52	5-16-52	1280
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	4-14-52	4-24-52	1031
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	4-11-52	4-15-52	1681
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	4-22-52	5-1-52	1651
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	4-19-52	4-14-52	1402
50. BENDEL, W. G., Synthetic Resins; Rubber.	6-10-52	6-9-52	1486
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	4-24-52	4-24-52	1491
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-15-52	5-12-52	2068
53. BRINDISI, M. V., Label Pasting and Paper Hanging, Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	5-19-52	5-20-52	1027
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	4-21-52	4-21-52	1804
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	5-10-52	5-7-52	995
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	5-3-52	5-2-52	1413
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	5-26-52	5-26-52	1627
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stools Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spitoons.	5-13-52	5-7-52	1272
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	5-14-52	4-13-52	1184
60. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-16-52	4-23-52	1120
61. BEAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-24-52	5-19-52	1165
62. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	4-24-52	4-23-52	1842
63. GORECKI, G. A.—(GREENWALD, J., Acting), Fuels and Miscellaneous Compositions.	4-18-52	4-14-52	1821
64. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	5-5-52	5-6-52	1372
65. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	4-18-52	4-18-52	903
66. KRAPFT, C. F., Laminated Fabrics; Photographs Processes and Products; Ornamentation; Paper Making.	4-30-52	4-24-52	1722
67. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-3-52	6-2-52	1299
68. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	4-21-52	4-22-52	1128
69. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	4-11-52	4-10-52	3119
DESIGNS: A. BREHM, G. L., Industrial Arts.	9-15-52	9-15-52	740
B. GRAY, M. A., Household, Personal and Fine Arts.	9-13-52	9-25-52	838

*Div. 60 was abolished as of December 15, 1952. See Commissioners Administrative Order No. 41, (665 O. G. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 12,761. Date of oldest new application, August 1, 1952; date of oldest amended application, July 29, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 12, 15, 16, 27, 28, 30, 33, 35, 44, 51, 52.	8-3-52	8-3-52	2866
II. SUMMERS, G. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 30, 31, 34, 36.	8-3-52	8-3-52	3405
Renewals (All Classes)	11-14-52	12-22-52	394
Republications (All Classes)	11-1-52	11-1-52	234
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	8-1-52	7-29-52	3206
IV. KEYS, O. M., Classes 2, 11, 16, 29, 45, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	8-4-52	8-4-52	2634

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

STEELE ET AL.

v.

BULOVA WATCH COMPANY, INC.

No. 38. Decided December 22, 1952

[— U. S. —; 95 USPQ 391]

1. TRADE-MARKS — ACT OF 1946 CONSTRUED — VIOLATION OF ACT IN FOREIGN COUNTRY—POWER OF CONGRESS TO CONTROL.

Congress, in prescribing standards of conduct for American citizens, may project the impact of its laws beyond the territorial boundaries of the United States.

2. SAME—SAME—SAME.

In the light of the broad jurisdictional grant in the Lanham Act, Held that its scope is such as to encompass the activities of the petitioner in importing watch parts into Mexico, stamping them with "Bulova," a mark registered by another in the United States, and selling the watches in Mexico.

3. SAME—SAME—SAME—NOT MATERIAL THAT INDIVIDUAL ACTIONS MAY HAVE BEEN LEGAL.

Held that it is not material that petitioner affixed the mark "Bulova" in Mexico City rather than here, or that his purchases of watch parts in the United States when viewed in isolation do not violate any of our laws, since these were essential steps in the course of business consummated abroad and actions, in themselves legal, lose that character when they become part of an unlawful scheme.

ON WRIT of certiorari to Court of Appeals for the Fifth Circuit, 92 USPQ 266.

Action by Bulova Watch Company, Inc., against Sidney Steele, Sofia Steele, and S. Steele & Co., S. A., for trade-mark infringement and unfair competition. On writ of certiorari to review judgment for plaintiff. See also 93 USPQ 536.

AFFIRMED.

Wilbur L. Matthies (Grady Barrett and Herbert Davis of counsel) for petitioners.

Marx Leva (Alexander B. Hawes, A. Lloyd Symington, Sanford H. Cohen, George Cohen, Isidor Ostroff, Maury Maverick, and Maverick, Putnam & Putnam of counsel) for respondent.

MR. JUSTICE CLARK delivered the opinion of the Court.

The issue is whether a United States District Court has jurisdiction to award relief to an American corporation against acts of trade-mark infringement and unfair competition consummated in a foreign country by a citizen and resident of the United States. Bulova Watch Company, Inc., a New

York corporation, sued Steele,¹ petitioner here, in the United States District Court for the Western District of Texas. The gist of its complaint charged that "Bulova," a trade-mark properly registered under the laws of the United States, had long designated the watches produced and nationally advertised and sold by the Bulova Watch Company; and that petitioner, a United States citizen residing in San Antonio, Texas, conducted a watch business in Mexico City where, without Bulova's authorization and with the purpose of deceiving the buying public, he stamped the name "Bulova" on watches there assembled and sold. Basing its prayer on these asserted violations of the trade-mark laws of the United States² Bulova requested injunctive and monetary relief. Personally served with process in San Antonio, petitioner answered by challenging the court's jurisdiction over the subject matter of the suit and by interposing several defenses, including his due registration in Mexico of the mark "Bulova" and the pendency of Mexican legal proceedings thereon, to the merits of Bulova's claim. The trial judge, having initially reserved disposition of the jurisdictional issue until a hearing on the merits, interrupted the presentation of evidence and dismissed the complaint "with prejudice," on the ground that the court lacked jurisdiction over the cause. This decision rested on the court's findings that petitioner had committed no illegal acts within the United States.³ With one judge dissenting, the Court of Appeals reversed; it held that the pleadings and evidence disclosed a cause of action within the reach of the Lanham Trade-Mark Act of 1946, 15 U. S. C. § 1051 et seq.⁴ The dissenting judge thought that "since the conduct complained of substantially related solely to acts done and trade carried on under full authority of Mexican law, and were con-

¹ Joined as parties defendant were S. Steele & Co., S. A., a Mexican corporation to whose rights Steele had succeeded, and Steele's wife Sofia who possessed a community interest under Texas law.

² While the record shows that plaintiff fully relied on his asserted cause of action "arising under" the Lanham Act, diversity of citizenship and the jurisdictional amount were also averred. As we are concerned solely with the District Court's jurisdiction over the subject matter of this suit, we do not stop to consider the significance, if any, of those averments. Cf. *Pecher Lozeng Co. v. National Candy Co.*, 315 U. S. 668 [53 USPQ 11] (1942), decided prior to passage of the Lanham Act. See also note 6, *infra*.

³ The District Court's unreported findings of fact and conclusions of law, as amended, appear at R. 246-248. Cf. R. 232, 237.

⁴ 194 F.2d 567 [92 USPQ 266] (C. A. 5th Cir. 1952).

Vol. 666 • No. 4

Tuesday, January 27, 1953

Price \$35.00 per year

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ined to and affected only that Nation's internal commerce [the District Court] was without jurisdiction to enjoin such conduct." We granted certiorari, 343 U. S. 962 [93 USPQ 536].

[1] Petitioner concedes, as he must, that Congress in prescribing standards of conduct for American citizens may project the impact of its laws beyond the territorial boundaries of the United States. Cf. *Foley Bros., Inc. v. Filardo*, 336 U. S. 281, 284-285 (1949); *Blackmer v. United States*, 284 U. S. 421, 430-437 (1932); *Branch v. Federal Trade Commission*, 141 F.2d 31 (1944). Resolution of the jurisdictional issue in this case therefore depends on construction of exercised congressional power, not the limitations upon that power itself. And since we do not pass on the merits of Bulova's claim, we need not now explore every facet of this complex and controversial act.

The Lanham Act, on which Bulova posited its claims to relief, confers broad jurisdictional powers upon the courts of the United States. The statute's expressed intent is "to regulate commerce within the control of Congress by making actionable the deceptive and misleading use of marks in such commerce; to protect registered marks used in such commerce from interference by State, or territorial legislation; to protect persons engaged in such commerce against unfair competition; to prevent fraud and deception in such commerce by the use of reproductions, copies, counterfeits, or colorable imitations of registered marks; and to provide rights and remedies stipulated by treaties and conventions respecting trademarks, trade names, and unfair competition entered into between the United States and foreign nations." § 45, 15 U. S. C. § 1127. To that end, § 32(1) holds liable in a civil action by a trade-mark registrant "any person who shall, in commerce," infringe a registered trade-mark in a manner there detailed.*

* *Id.*, at 573 [92 USPQ at 272].

For able Court of Appeals discussions of the impact of *Eric R. Co. v. Tompkins*, 304 U. S. 64 (1938) on the law prior and subsequent to the Lanham Act, see *Dad's Root Beer Co. v. Doc's Beverages, Inc.*, 193 F.2d 77 [91 USPQ 306] (C. A. 2d Cir. 1951); *S. C. Johnson & Son v. Johnson*, 175 F.2d 176 [81 USPQ 509] (C. A. 2d Cir. 1949); *Campbell Soup Co. v. Armour & Co.*, 175 F.2d 795 [81 USPQ 430] (C. A. 3d Cir. 1949); *Stouffer v. Exley*, 184 F.2d 962 [87 USPQ 401] (C. A. 9th Cir. 1950). See also *National Fruit Product Co. v. Duinell-Wright Co.*, 47 F. Supp. 499 [35 USPQ 199] (1942). And see *Zlinkoff, Eric v. Tompkins: In Relation to the Law of Trade Marks and Unfair Competition*, 42 Col. L. Rev. 955 (1942); *Bunn, The National Law of Unfair Competition*, 62 Harv. L. Rev. 987 (1949).

See, e. g., *Timberg, Trade Marks, Monopoly, and the Restraints of Competition*, 14 Law & Contemp. Probs. 323 (1949); cf. *Brown, Advertising and the Public Interest: Legal Protection of Trade Symbols*, 57 Yale L. J. 1165 (1948). Compare, e. g., *Pattishall, Trade Marks and the Monopoly Problem*, 50 Mich. L. Rev. 967 (1932); *Rogers, The Lanham Act and the Social Function of Trade Marks*, 14 Law & Contemp. Probs. 173 (1949).

"Any person who shall, in commerce, (a) use, without the consent of the registrant, any reproduction, counterfeit, copy, or colorable imitation of any registered mark in connection with the sale, offering for sale, or advertising of any goods or services on or in connection with which such use is likely to cause confusion or mistake or to deceive purchasers as to the source of origin of such goods or services; or (b) reproduce, counterfeit, copy, or colorably imitate any such mark and apply such reproduction, counterfeit, copy, or colorable imitation to labels, signs, prints, packages, wrappers, receptacles, or advertisements intended to be used upon or in connection with the sale in commerce of such goods or services, shall be liable to a civil action by the registrant for any or all of the remedies hereinafter provided in this chapter. . . . " 15 U. S. C. § 1114 (1).

"Commerce" is defined as "all commerce which may lawfully be regulated by Congress." § 45, 15 U. S. C. § 1127. The district courts of the United States are granted jurisdiction over all actions "arising under" the act, § 39, 15 U. S. C. § 1121, and can award relief which may include injunctions, "according to the principles of equity," to prevent the violation of any registrant's rights. § 34, 15 U. S. C. § 1116.

The record reveals the following significant facts which for purposes of a dismissal must be taken as true: Bulova Watch Company, one of the largest watch manufacturers in the world, advertised and distributed "Bulova" watches in the United States and foreign countries. Since 1929, its aural and visual advertising, in Spanish and English, has penetrated Mexico. Petitioner, long a resident of San Antonio, first entered the watch business there in 1922, and in 1926 learned of the trade-mark "Bulova." He subsequently transferred his business to Mexico City and, discovering that "Bulova" had not been registered in Mexico, in 1933 procured the Mexican registration of that mark. Assembling Swiss watch movements and dials and cases imported from that country and the United States, petitioner in Mexico City stamped his watches with "Bulova" and sold them as such. As a result of the distribution of spurious "Bulovas," Bulova Watch Company's Texas sales representative received numerous complaints from retail jewelers in the Mexican border area whose customers brought in for repair defective "Bulovas" which upon inspection often turned out not to be products of that company. Moreover, subsequent to our grant of certiorari in this case the prolonged litigation in the courts of Mexico has come to an end. On October 6, 1952, the Supreme Court of Mexico rendered a judgment upholding an administrative ruling which had nullified petitioner's Mexican registration of "Bulova."*

[2] On the facts in the record we agree with the Court of Appeals that petitioner's activities, when viewed as a whole, fall within the jurisdictional scope of the Lanham Act. This Court has often stated that the legislation of Congress will not extend beyond the boundaries of the United States unless a contrary legislative intent appears. E. g., *Blackmer v. United States*, 284 U. S. 421, 437 (1932); *Foley Bros., Inc. v. Filardo*, 336 U. S. 281, 285 (1949). The question thus is "whether Congress intended to make the law applicable" to the facts of this case. *Ibid.* For "the United States is not debarred by any rule of international law from governing the conduct of its own citizens upon the high seas or even in foreign countries when the rights of other nations or their nationals are not infringed. With respect to such an exercise of authority there is no question of international law, but solely of the purport of the municipal law which establishes the duty of the citizen in relation to his own government." *Skiri-*

* See also § 35, 15 U. S. C. § 1117 (profits, damages and costs); § 36, 15 U. S. C. § 1118 (destruction of infringing articles); § 38, 15 U. S. C. § 1120 (damages for fraudulent registration).

Ridney Steele v. Secretary of the National Economy, decided by the Second Court of the Supreme Court of Mexico. That decision is reprinted, as translated, as Appendix III to respondent's brief.

otes v. Florida, 313 U. S. 69, 73 (1941).¹¹ As Mr. Justice Minton, then sitting on the Court of Appeals, applied the principle in a case involving unfair methods of competition: "Congress has the power to prevent unfair trade practices in foreign commerce by citizens of the United States, although some of the acts are done outside the territorial limits of the United States." *Branch v. Federal Trade Commission*, 141 F.2d 31, 35 (1944). Nor has this Court in tracing the commerce scope of statutes differentiated between enforcement of legislative policy by the Government itself or by private litigant's proceeding under a statutory right. *Thomson v. Caysen*, 243 U. S. 66 (1917); *Manderly Island Farms v. American Crystal Sugar Co.*, 334 U. S. 219 (1948); cf. *Vermilya-Brown Co. v. Connell*, 335 U. S. 377 (1948); *Foley Bros., Inc. v. Filardo*, supra. The public policy subserved is the same in each case. In the light of the broad jurisdictional grant in the Lanham Act, we deem its scope to encompass petitioner's activities here. His operations and their effects were not confined within the territorial limits of a foreign nation. He bought component parts of his wares in the United States, and spurious "Bulovas" filtered through the Mexican border into this country; his competing goods could well reflect adversely on Bulova Watch Company's trade reputation in markets cultivated by advertising here as well as abroad. Under similar factual circumstances, courts of the United States have awarded relief to registered trade-mark owners, even prior to the advent of the broadened commerce provisions of the Lanham Act.¹² *George W. Luft Co. v. Zande Cosmetic Co.*, 142 F.2d 536 [61 USPQ 424] (1944); *Hecker H-O Co. v. Holland Food Corp.*, 36 F.2d 767 [4 USPQ 8] (1929); *Vacuum Oil Co. v. Eagle Oil Co.*, 154 F. 867 (1907), aff'd, 162 F. 671 (1908). Cf. *Morris v. Altstedter*, 93 Misc. 329, 156 N. Y. S. 1103, aff'd, 173 App. Div. 932, 158 N. Y. S. 1123 (1916). Even when most jealously read, that act's sweeping reach into "all commerce which may lawfully be regulated by Congress" does not constrict prior law or deprive courts of jurisdiction previously exercised. [3] We do not deem material that petitioner affixed the mark "Bulova" in Mexico City rather than here,¹³ or that his purchases in the United States when viewed in isolation do not violate any of our laws. They were essential steps in the course of business consummated abroad; acts in themselves legal lose that character when they become part of an unlawful scheme. *United States v. Bausch & Lomb Optical Co.*, 321 U. S. 707, 720 [61 USPQ 61, 67] (1944); *United States v. United Lens Co.*, 316 U. S. 241, 254 [53 USPQ 404, 409] (1942). "In such a case it is not material that the source of the forbidden effects upon . . . commerce

¹¹ See, e. g., *J. Oppenheim, International Law* (6th ed., Lauterpacht, 1947) § 145, p. 297.

¹² Cf. 15 U. S. C. §§ 96, 124, requiring the infringing use to be "in commerce among the several States, or with a foreign nation." *United States Printing & Lithograph Co. v. Briggs, Cooper & Co.*, 279 U. S. 156 [1 USPQ 245] (1929); *Pure Oil Co. v. Puritan Oil Co.*, 127 F.2d 6 [52 USPQ 600] (1942).

¹³ See *Vacuum Oil Co. v. Eagle Oil Co.*, 154 F. 867 (1907).

arises in one phase or another of that program." *Manderly Island Farms v. American Crystal Sugar Co.*, 334 U. S. 219, 237 (1948). Cf. *United States v. Frankfort Distilleries*, 324 U. S. 293, 297-298 (1945). In sum, we do not think that petitioner by so simple a device can evade the thrust of the laws of the United States in a privileged sanctuary beyond our borders.

American Banana Co. v. United Fruit Co., 213 U. S. 347 (1909), compels nothing to the contrary. This Court there upheld a Court of Appeals' affirmation of the trial court's dismissal of a private damage action predicated on alleged violations of the Sherman Act.¹⁴ The complaint, in substance, charged United Fruit Company with monopolization of the banana import trade between Central America and the United States, and with the instigation of Costa Rican governmental authorities to seize plaintiff's plantation and produce in Panama. The Court of Appeals reasoned that plaintiff had shown no damage from the asserted monopoly and could not found liability on the seizure, a sovereign act of another nation.¹⁵ This Court agreed that a violation of American laws could not be grounded on a foreign nation's sovereign acts. Viewed in its context, the holding in that case was not meant to confer blanket immunity on trade practices which radiate unlawful consequences here, merely because they were initiated or consummated outside the territorial limits of the United States. Unlawful effects in this country, absent in the posture of the Banana case before us, are often decisive; this Court held as much in *Thomson v. Caysen*, 243 U. S. 66 (1917), and *United States v. Sisal Sales Corp.*, 274 U. S. 268 (1927).¹⁶ As in *Sisal*, the crux of the complaint here is "not merely of something done by another government at the instigation of private parties"; petitioner by his "own deliberate acts, here and elsewhere . . . brought about forbidden results within the United States." 274 U. S., at 276. And, unlike the Banana case, whatever rights Mexico once conferred on petitioner its courts now have decided to take away.

Nor do we doubt the District Court's jurisdiction to award appropriate injunctive relief if warranted by the facts after trial. 15 U. S. C. §§ 1116, 1121. Mexico's courts have nullified the Mexican registration of "Bulova"; there is thus no conflict which might afford petitioner a pretext that such relief would impugn foreign law. The question, therefore, whether a valid foreign registration would affect either the power to enjoin or the propriety of its exercise is not before us. Where, as here, there can be no interference with the sovereignty of another nation, the District Court in exercising its equity powers may command persons properly before it to cease or perform acts outside its territorial jurisdiction. *New Jersey v. New York*, 283 U. S. 473 (1931);

¹⁴ 166 F. 261 (C. A. 2d Cir. 1908), affirming 160 F. 184.

¹⁵ 166 F., at 264, 266.

¹⁶ See also *United States v. Aluminum Co. of America*, 148 F.2d 416, 443-444 [65 USPQ 6, 31-33] (1945). Cf. *Ford v. United States*, 273 U. S. 593, 620-621 (1927); *Lamar v. United States*, 240 U. S. 60, 65-66 (1916); *Strassheim v. Dally*, 221 U. S. 280, 284-285 (1911).

Massie v. Watts, 6 Cranch 148 (1810); *The Sallon Sea Cases*, 172 F. 792 (1909); cf. *United States v. National Lead Co.*, 332 U. S. 319, 351-352, 363 [73 USPQ 488, 511, 515-516] (1947)."

AFFIRMED.

MR. JUSTICE BLACK took no part in the decision of this case.

MR. JUSTICE REED, with whom MR. JUSTICE DOUGLAS joins (dissenting):

The purpose of the Lanham Act is to prevent deceptive and misleading use of trade-marks. § 45, 15 U. S. C. § 1127. To further that purpose the act makes liable in an action by the registered holder of the trade-mark "any person who shall, in commerce, infringe such trade-mark." § 32(1), 15 U. S. C. § 1127. "Commerce" is defined as being "all commerce which may lawfully be regulated by Congress." § 45, 15 U. S. C. § 1127.

The Court's opinion bases jurisdiction on the Lanham Act. In the instant case the only alleged acts of infringement occurred in Mexico. The acts complained of were the stamping of the name "Bulova" on watches and the subsequent sale of the watches. There were purchases of assembly material in this country by petitioners. Purchasers from petitioners in Mexico brought the assembled watches into the United States. Assuming that Congress has the power to control acts of our citizens throughout the world, the question presented is one of statutory construction: Whether Congress intended the act to apply to the conduct here exposed.

"The canon of construction which teaches that legislation of Congress, unless a contrary intent appears, is meant to apply only within the territorial jurisdiction of the United States, *Blackmer v. United States* [284 U. S. 421], 437, is a valid approach whereby unexpressed congressional intent may be ascertained." *Foley Bros., Inc. v. Filardo*, 336 U. S. 281, 285. Utilizing this approach, does such a contrary intent appear in the Lanham Act? If it does, it appears only in broad and general terms, i. e., "to regulate commerce within the control of Congress . . ." § 45, 15 U. S. C. § 1127. Language of such nonexplicit scope was considered by the Court in construing the Sherman Act in *American Banana Co. v. United Fruit Co.*, 213 U. S. 347, 357. "Words having universal scope, such as 'Every contract in restraint of trade,' 'Every person who shall monopolize,' etc., will be taken as a matter of course to mean only every one subject to such legislation, not all that the legislator subsequently may be able

"Cf. *Cole v. Cunningham*, 133 U. S. 107, 117-119 (1890); *Phelps v. McDonald*, 99 U. S. 298, 307-308 (1878); *Securities and Exchange Commission v. Mins de Artemisa, S. A.*, 150 F.2d 215 (1945); *Restatement, Conflict of Laws*, § 94, 96. And see *British Nylon Spinners, Ltd. v. Imperial Chemical Industries, Ltd.* [1952] All Eng. 780, 782 (C. A.).

to catch." The American Banana Co. case confined the Sherman Act in its "operation and effect to the territorial limits over which the lawmaker has general and legitimate power," 213 U. S., at 357. This was held to be true as to acts outside the United States, although the parties were all corporate citizens of the United States subject to process of the federal courts.

The generally phrased congressional intent in the Lanham Act is to be compared with the language of the Fair Labor Standards Act which we construed in *Vermilya-Brown Co. v. Connell*, 335 U. S. 377. There we held that by explicitly stating that the act covered "possessions" of the United States, Congress had intended that the act was to be in effect in all "possessions" and was not to be applied merely in those areas under the territorial jurisdiction or sovereignty of the United States.

There are, of course, cases in which a statement of specific contrary intent will not be deemed so necessary. Where the case involves the construction of a criminal statute "enacted because of the right of the Government to defend itself against obstruction, or fraud . . . committed by its own citizens," it is not necessary for Congress to make specific provisions that the law "shall include the high seas and foreign countries." *United States v. Bowman*, 280 U. S. 94, 98. This is also true when it is a question of the sovereign power of the United States to require the response of a non-resident citizen. *Blackmer v. United States*, 284 U. S. 421. A similar situation is met where a statute is applied to acts committed by citizens in areas subject to the laws of no sovereign. See *Skiriotes v. Florida*, 313 U. S. 69; *Old Dominion S. S. Co. v. Gilmore*, 207 U. S. 398.

In the instant case none of these exceptional considerations come into play. Petitioner's buying of unfinished watches in the United States is not an illegal commercial act. Nor can it be said that petitioners were engaging in illegal acts in commerce when the finished watches bearing the Mexican trade-mark were purchased from petitioners and brought into the United States by such purchasers. The stamping of the Bulova trade mark, done in Mexico, is not an act "within the control of Congress." It should not be utilized as a basis for action against petitioner. The Lanham Act, like the Sherman Act, should be construed to apply only to acts done within the sovereignty of the United States. While we do not condone the piratical use of trade-marks, neither do we believe that Congress intended to make such use actionable irrespective of the place it occurred. Such extensions of power bring our legislation into conflict with the laws and practices of other nations, fully capable of punishing infractions of their own laws, and should require specific words to reach acts done within the territorial limits of other sovereignties.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,828,451, E. O. Shreffler, Automobile fender, D. C., N. D. Ill. (Chicago), Doc. 49c207, *E. O. Shreffler v. Diamond T Motor Car Co.* Order on stipulation, cause dismissed with prejudice Oct. 24, 1952.

1,947,834, Driggs & Faber, Flare signal, D. C., S. D. Calif. (Los Angeles), Doc. 7093-WM, *The Kilgore Mfg. Co. v. Signal Mfg. Co.* Claims 1 to 9 and 12 to 23 held invalid, defendants have not infringed claims 10 and 11, complaint dismissed (notice Nov. 21, 1952).

2,028,184, F. B. Bergholt, Automobile, filed Nov. 12, 1952, D. C. Minn., Doc. 4341, *F. B. Bergholt v. The Studebaker Corp.* Same, filed Dec. 1, 1952, D. C. Minn., Doc. 4369, *F. B. Bergholt v. Chrysler Corp.* et al. Doc. 4370, *F. B. Bergholt v. General Motors Corp.* Doc. 4371, *F. B. Bergholt v. Hudson Motor Car Co.* et al. Doc. 4372, *F. B. Bergholt v. Packard Motor Car Co.* Doc. 4373, *F. B. Bergholt v. Kaiser-Fraser Corp.* et al. Doc. 4374, *F. B. Bergholt v. Nash-Kelvinator Corp.* et al.

2,043,479, O. H. Greiman, Lifting jack, filed Nov. 13, 1952, D. C., N. D. Ohio (Cleveland), Doc. 29690, *Auto Specialties Mfg. Co. v. Caster Mold & Machine Co.* et al. Same, filed Nov. 19, 1952, D. C., W. D. N. Y. (Buffalo), Doc. 5493, *Auto Specialties Mfg. Co. v. Ontario Industries, Inc.*, et al.

2,142,201, L. Mayer, Hair net, filed Oct. 30, 1952, D. C., S. D. N. Y., Doc. 79/397, *L. Mayer v. Kleinert Rubber Co.* 2,280,479, A. Cohen, Garment, D. C., S. D. N. Y., Doc. 49342, *Dunner of New York, Inc. v. Varden Dress, Inc.* Stipulation and order of settlement (notice Oct. 30, 1952).

2,283,200, J. W. Flude, Method and apparatus for subsurface mining, filed Oct. 31, 1952, D. C., S. D. Tex. (Houston), Doc. 7100, *J. W. Flude v. Shell Oil Co.* Doc. 7101, *J. W. Flude v. The Texas Co.* Doc. 7102, *J. W. Flude v. Pure Oil Co.* Doc. 7103, *J. W. Flude v. Sun Oil Co.* Doc. 7104, *J. W. Flude v. Geophysical Service, Inc.*

2,319,464, L. Massa, Tooth for excavating apparatus, D. C., S. D. Calif. (Los Angeles), Doc. 14298-WM, *Jeteo, Inc. v. Everett Mfg. Co., Inc.*, et al. Dismissed without prejudice pursuant to stipulation (notice Oct. 29, 1952).

2,382,858, H. L. Carpenter, Container, D. C., N. D. Ohio (Toledo), Doc. 6470, *Carpenter Container Corp. v. Continental Can Co., Inc.* Order dismissing cause Nov. 3, 1952.

2,584,366, C. R. Perry, Combined vehicle bumper and trailer hitch, filed Oct. 31, 1952, D. C., N. D. Tex. (Dallas), Doc. 4873, *The Perry Co. v. Fleet Line Equipment Co.*

2,586,333, E. W. Hoffmeister, Rotating amusement cylinder, filed Nov. 14, 1952, D. C., S. D. N. Y., Doc. 80/158, *C. Friesz v. E. W. Hoffmeister*.

2,600,627, K. C. Envoldsen, Process of treating shrimp, filed Nov. 13, 1952, D. C., N. D. Ohio (Cleveland), Doc. 29688, *K. C. Envoldsen v. J. & L. Seafood Co.*

2,606,377, L. B. Edwards, Method and apparatus for treating fabric garments during the pressing operation, filed Oct. 17, 1952, D. C., E. D. Mich. (Bay City), Doc. 1199, *L. B. Edwards v. Goodwill Cleaners*.

2,619,589, R. Florac, Radio receiver, filed Nov. 25, 1952, D. C., Minn., Doc. 4363, *Aircall, Inc. v. New York Technical Institute of Cincinnati, Inc.*, et al.

Des. 151,732, W. G. Bley, Lady's stocking, D. C., E. D. Pa. (Philadelphia), Doc. 10719, *Sanson Hosiery Mills, Inc.*, et al. v. *Langhorne Hosiery Mills, Inc.* Doc. 13522, *Sanson Hosiery Mills, Inc.*, et al. v. *Y & B Hosiery Co., Inc.* Doc. 13523, *Sanson Hosiery Mills, Inc.*, et al. v. *Penn Maid Hosiery Mills, Inc.* Doc. 14008, *Sanson Hosiery Mills, Inc.*, et al. v. *Berks Dyeing & Finishing Co.* et al. Consent judgment favor plaintiffs and granting injunction Oct. 28, 1952, in each of above cases. Same, D. C., C. D. N. Y., Doc. 67/267, *Sanson Hosiery Mills, Inc.*, et al. v. *Ohrbach's, Inc.* Consent judgment, defendant enjoined Nov. 12, 1952.

Des. 151,733, W. G. Bley, Lady's stocking, D. C., E. D. Pa. (Philadelphia), Doc. 14131, *Sanson Hosiery Mills, Inc.*, et al. v. *Kulpacville Hosiery Mill, Inc.* Consent judgment favor plaintiffs and granting injunction Oct. 28, 1952. Same, D. C., S. D. N. Y., Doc. 67/261, *Sanson Hosiery Mills, Inc.*, et al. v. *R. H. Macy & Co., Inc.* Stipulation and order of dismissal without prejudice Oct. 20, 1952.

Des. 157,233, Bloom & Bloom, Glove holding attachment for handbags, filed June 20, 1950, D. C., S. D. N. Y., Doc. 59/40, *Oluv-Gard Mfg. Co., Inc. v. R. H. Macy & Co., Inc.* Stipulation of dismissal Nov. 21, 1952.

Des. 157,622, I. Rabinowitz, Stocking, D. C., E. D. Pa. (Philadelphia), Doc. 11574, *Sharnay Hosiery Mills, Inc. v. Sanson Hosiery Mills, Inc.*, et al. Consent decree dismissing complaint Nov. 5, 1952.

Des. 159,431, C. G. Muehlfeld, Hen's nest, filed Oct. 22, 1952, D. C., E. D. Mich. (Bay City), Doc. 1201, *Russell Mfg. Co. et al. v. James Mfg. Co.*

Des. 163,814, C. A. Palmer, Pram suit, filed Nov. 3, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. 13023, *North Shore Mfg. Co. v. Yorkshire Knitting Co., Inc.* Doc. 13024, *North Shore Mfg. Co. v. Handman et al.*

Des. 163,887, N. J. Mercer, Spoon, filed Nov. 19, 1952, D. C., S. D. N. Y., Doc. 80/213, *Englishtown Cutlery, Ltd. v. The Ekco Products Co., Inc.*

Des. 164,385, I. Rabinowitz, Stocking, D. C., E. D. Pa. (Philadelphia), Doc. 13929, *Sharnay Hosiery Mills, Inc. v. Sanson Hosiery Mills, Inc.*, et al. Consent decree dismissing complaint Nov. 5, 1952.

NOTICES

Adjudicated Patents

(D. C. Pa.) Sirmay Patent No. 2,397,456, for transferring stitches. Claim 1 Held invalid and not infringed, claim 2 Held infringed but invalid. *Jacquard Knitting Machine Co., Inc. v. Ordnance Gauge Co., Inc.*, et al., 108 F. Supp. 59; 93 USPQ 28.

666 O. G.—59

(D. C. Nebr.) Shrader Patent No. 2,490,715, for a corn harvesting mechanism. Claims 1 to 7 Held invalid. *Shrader et al. v. Reed et al.*, 108 F. Supp. 35; — USPQ —.

(D. C. Nebr.) Shrader Patent No. 2,534,683, for corn snapping rolls in corn-picker. Claims 1 and 2 Held invalid. *Id.*

Application for Extension of Patent

VETERANS

PUBLIC LAW 598—81st Congress

Application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (638 O. G. 1066), as amended, Public Law 437—82nd Congress (660 O. G. 813).

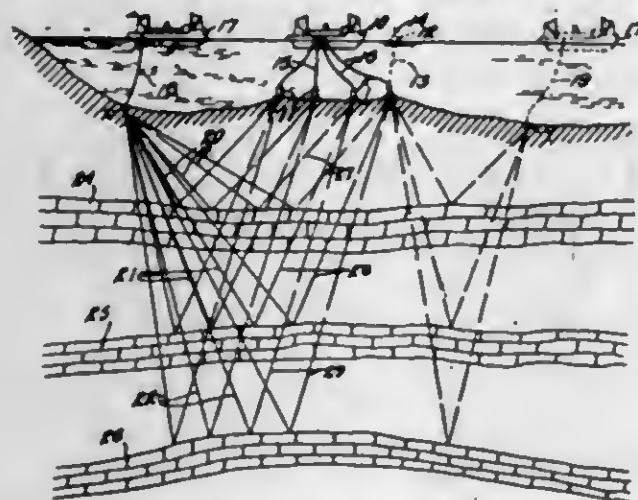
Any person who believes that he would be injured by extension of the patent cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of Public Law 598—81st Congress).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

John William Flude, 2,283,200, May 10, 1942.

JOHN A. MARZALL,
Commissioner.

2,283,200
METHOD AND APPARATUS FOR SUB-SURFACE MINING
John William Flude, New Orleans, La. Granted May 19, 1942
11 Claims. (Cl. 181—0.5)



1. The method of making geophysical observations for determining the location and nature of underwater geo-

logical structures from a moving vessel which method comprises establishing a shot point by planting an explosive charge on the bottom of the body of water under which observations are to be taken, proceeding on a predetermined course a predetermined distance from said shot point while simultaneously towing a plurality of detectors through the water and then permitting said detectors to sink to the bottom, establishing another shot point in predetermined spaced relationship to the first while maintaining contact with the first shot point and with the detectors, exploding the charges located at said shot points consecutively and making geophysical observations therefrom, and then raising the detectors substantially simultaneously from the bottom and continuing to tow them through the water.

Disclaimers

2,467,230.—Henry Earl Revercomb, North Syracuse, and Donald E. Watts, De Witt, N. Y. ULTRA HIGH FREQUENCY DIELECTRIC HEATER. Patent dated Apr. 12, 1949. Disclaimer filed Dec. 17, 1952, by the assignee, General Electric Company.

Hereby enters this disclaimer to claim 1 of said patent.

2,487,031.—Frederick W. Seybold, Westfield, N. J. AUTOMATIC BACK GAUGE SPACER. Patent dated Nov. 1, 1949. Disclaimer filed Dec. 20, 1952, by the assignee, E. P. Lawan Co., Inc.

Hereby enters this disclaimer to the subject matter of claims 15, 16, 17, 23, and 24 of said patent.

2,500,345.—Gustave D. Cerf, Livingston, N. J. MAGNETO. Patent dated Mar. 14, 1950. Disclaimer filed Dec. 22, 1952, by the assignee, Wico Electric Company.

Hereby enters this disclaimer to claim 1 of said patent.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously placed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,577,310. Vehicle Supported Road Sander. Patented Dec. 4, 1951. Road sander for use with a dump truck. A conveyor connected to the truck chassis has a discharge spout to be connected to an opening in lower portion of dump body which is controlled by a slidable plate. A depending flexible and compressible lower skirt portion is secured to discharge spout. The spout and skirt are unattached to conveyor, but aligned with the mouth portion when dump body is in normal position. Skirt of spout freely telescopes within the mouth but automatically separates when truck body is tilted to dumping position. (Co-owner) Edward F. Connelly, 437 Marshall Ave., St. Paul 2, Minn. Group 38—11. Reg. No. 50,293.

Pat. 2,585,304. Rod to Plate Joint Structure. Patented Feb. 12, 1952. This method and means of firmly joining two wood or plastic elements without nails or screws allow easy assembly and disassembly of shelves, tables, or prefabricated collapsible boxes or crates for shipping. The principle is that wire arranged around the end of a post becomes imbedded in both the post and the walls of a recess of substantially the same diameter in a flat element when the post is inserted in the recess and rotated therein. Various modifications in the manner of arranging the wire are shown to fit the half-round spindle and flat element of a wall shelf, the cylindrical leg and flat top of a table, or the cross, vertical, and longitudinal members of a collapsible box frame. For a permanent joint, glue may be applied without the use of clamps. (Co-owner) William I. Evans, 138 Quinterra Lane, Danville, Calif. Groups 25—11—13—10—21—41—54; 39—81. Reg. No. 50,294.

Pat. 2,596,320. Container and Corner Locking Means Therefor. Patented May 13, 1952. Locking means for quickly assembling knock-down box without nails or screws. Spindles are braced across the four corners of each end of box and inserted in cylindrical holes in box-supporting members to which the walls have previously been suitably fastened. The holes are drilled at approximately 45° to the vertical and are aligned through the supporting members. Each hole has sections of two diameters, and a narrow side mouth opening to receive a spindle end. Each spindle is cylindrical, with end portions of different diameters corresponding to the diameters of the holes, and has a flat side corresponding in width to the size of the mouth of the hole. The spindle is inserted sidewise through the mouth and rotated until the flat side is flush with the face of the supporting members, effecting a tight lock. (Co-owner) William I. Evans, 138 Quinterra Lane, Danville, Calif. Groups 25—11—41—54; 26—63; 39—81. Reg. No. 50,295.

Pat. 2,596,816. Hinge. Patented May 13, 1952. A concealed hinge wherein a plurality of load-carrying links are the means which pivotally interconnect two butts. The butts are of laminated construction, consisting of interchangeable parts so that the size of the hinge may be varied by the addition or subtraction of laminae. The laminae of the butts are interleaved with one another, and support from above and below the fixed pivoted ends and the distal ends of the load-carrying links. Movement of the links is controlled, among other things, by pintles which carry no vertical thrust so that movement of the hinge is smooth with little chance of jamming. Sides of the butts are closed, except those through which the links extend, thus preventing fouling by foreign bodies. The links have, at their distal ends, oppositely disposed cam edges which engage profiles in the associated butt laminae. Top and bottom cover plates or laminae of each butt have erect flanges containing openings for screws to anchor the butts to a door jamb or stile. (Owner) Nathan L. Lieberman, Correspondence to Morris Kirschstein, 521 Fifth Ave., New York 17, N. Y. Group 33—59. Reg. No. 50,296.

Pat. 2,595,329. Vehicle Seat Guard. Patented May 6, 1952. Adjustable collapsible guard attachment for the rear seat of an automobile is adapted to cooperate with the seat to provide a crib and play pen for a child. It may be quickly attached to or removed from any type of automobile, and requires no permanent or semi-permanent fixture in or alteration to the vehicle structure. The guard comprises a pair of longitudinally adjustable panels, each consisting of a series of vertical bars secured to upper and lower slotted horizontal rails. The panels slidably overlap and are clamped together in any adjusted position by bolts extending through the slotted rails. L-shaped brackets, each having a downwardly extending leg, may be secured to the outer upper end of each panel in vertically adjusted position to engage opposite window sills of a vehicle. Hooks for engaging the seat support of a vehicle are awirely coupled to straps adjustably secured to the lower rails of the panels. (Owner) James L. Brooks, 803 Arlington St., Lawton, Okla. Group 38—31. Reg. No. 50,297.

General Mills, Inc., offers the following 20 patents for licensing on reasonable terms. Applications for license may be addressed to: Director of Patent Section of the Legal Department, General Mills, Inc., 400 Second Avenue South, Minneapolis 1, Minn.

Pat. 2,094,210. Advertising Display Device. Patented Sept. 28, 1937. Display card having a surface for displaying advertising matter may be detachably secured to a bag of flour or other article in a conspicuous position. The body of the card is provided with oppositely disposed tabs to partially surround an article on display with suitable apertures or slits in the ends of the tabs through which an elastic band may be threaded to secure the ends of the tabs together and hold the card against the front of an article in an upright position. Group 39—93. Reg. No. 50,298.

Pat. 2,182,915. Advertising Display Device. Patented June 20, 1939. Display card may be detachably secured to a carton or package in a conspicuous position with little likelihood of becoming displaced or detached when the carton is moved about. The lower end of the card is provided with a longitudinal slit and inwardly curved transverse slits to define an internal flap which may be bent rearwardly to provide a rectangular opening for receiving the corner of a carton. When the carton is inserted into the opening, oppositely disposed convex tab portions of the card engage opposite sides of the carton with sufficient pressure to partially indent the sides to retain the card in position upon the carton. Group 39—93. Reg. No. 50,299.

Pat. 2,347,155. Advertising Display Card. Patented Apr. 18, 1944. Display card for use on cartons of breakfast foods and the like has die-cut portions which may be bent toward the rear to form horizontal facing hooks. The top of a carton to which the card is to be removably attached is provided with overlapping flaps which may be raised to permit insertion of the hooks to retain the card on the face of the carton. After one of the hooks is inserted beneath the flap, the card is bent sharply about a vertical axis to permit insertion of the other hook beneath the flap as the card is released and springs back to normal flat condition. Group 39—93. Reg. No. 50,300.

Pat. 2,397,384. Toy Airplane. Patented Mar. 26, 1946. Relates to cut-outs for constructing a model airplane from sheet material such as paper. The parts may be supplied in the form of a sheet having the respective parts illustrated thereon so that they may be cut out and assembled with ease by children to form a streamlined toy airplane which is capable of sustained flight over appreciable distances. The parts may also be supplied as cut-outs already cut out from sheet material. Part of the fuselage is formed in such a manner that application of the wing cut-out thereon will automatically position the wing at right angles transversely of the fuselage with the end portions of the wing on a predetermined dihedral angle. When assembled, the top of the fuselage forwardly of the cockpit is lower than the top portion rearwardly of the cockpit. Group 39—41. Reg. No. 50,301.

Pat. 2,380,874. Root Starch Process. Patented July 31, 1945. Process of recovering starch from dried mandioca and other roots comprises grinding the dried roots and mixing them with water to form a dough and agitating the dough to loosen the starch from the fibrous material, mixing the dough with additional water to form a thin starch slurry, concentrating the slurry by centrifugal means, filtering the concentrated slurry, and drying the resultant starch. Group 20—94. Reg. No. 50,302.

Pat. 2,462,210. Starch Esters. Patented Feb. 22, 1949. Process of preparing starch esters involves the preliminary esterification of the starch with formic acid containing appreciable quantities of water to produce a starch formate having a formyl content of from 5 to 20%, followed by precipitation and separation of the starch formate, the recovery of excess formic acid for re-use, and subsequent esterification of the isolated starch formate with an organic acylating agent in which the acyl group has at least three carbon atoms. The process is applicable to starches in general, being particularly adaptable to wheat, corn, mandioca, and modified wheat starches. Group 20—94. Reg. No. 50,303.

Pat. 2,239,543. Mineral Fortification of Foodstuffs. Patented Apr. 22, 1941. Method of fortifying refined flour and breakfast cereal with minerals comprises blending a non-ionized salt of phytic acid selected from the group consisting of copper, iron, and manganese phytates, with the refined product in such proportion as to restore to the product approximately the mineral content which existed prior to the refining thereof. Group 20—41—43. Reg. No. 50,304.

Pat. 2,324,203. Multiple Flour Bleaching Process. Patented July 13, 1943. Process of bleaching flour and other finely divided milled cereal products comprises contacting the product while agitated in a finely divided state with a gaseous bleaching agent for a sufficient length of time and at a sufficient partial pressure of the gas to partially bleach the product, and thereafter contacting the partially bleached product while agitated in a finely divided state with a second gaseous bleaching agent of a similar or different nature than that used in the first bleaching operation, for a sufficient length of time and at a sufficient partial pressure of the gas to further bleach the product. The bleaching operations are carried out, as the product is conveyed through separate chambers. The bleached product may be blended with a similar product treated in the same manner by a different combination of gaseous agents. Group 20—41—43. Reg. No. 50,305.

Pat. 2,342,075. Bleaching Process. Patented Feb. 15, 1944. Process of bleaching flour and other finely divided milled cereal products is similar to that disclosed in the above patent, No. 2,324,203. In the first bleaching operation, gaseous chlorine is used to partially bleach the product, and in the second gaseous nitric acid is used to further bleach the product. Group 20—41—43. Reg. No. 50,306.

Pat. 2,351,809. Multiple Flour Bleaching Process. Patented June 20, 1944. Process of bleaching flour and other finely divided milled cereal products is similar to that disclosed in the above patent, No. 2,324,203. In the first bleaching operation, nitrogen trichloride is used to partially bleach the product, and in the second nitrogen peroxide is used to further bleach the product. The bleached product may be blended with a similar product treated in the same manner by chlorine followed by nitrogen peroxide. Group 20—41—43. Reg. No. 50,307.

Pat. 2,377,741. Natural High Vitamin Flour Process. Patented June 5, 1945. Process of milling the tailing streams of a mill to recover a high vitamin wheat fraction for incorporation in standard white flour to produce a blend which has the approximate vitamin potency of whole wheat, and which will still be rated as white flour although somewhat darker. The process comprises selecting a tailing stream leading to shorts and red dog and having a thiamin content several times that of whole wheat, sifting out fine material low in thiamin, grinding the overs to knock off tissues closely adhering to the bran, and sifting to separate the high thiamin fraction from the high fibrous lower thiamin tissues. Group 20—41. Reg. No. 50,308.

Pat. 2,418,645. Dehydrated Butter. Patented Apr. 8, 1947. Dehydrated butter and process of producing it involve removal of the water without removal of the other non-fat constituents from the butter. The butter is melted and subjected to vacuum evaporation at a temperature which will not adversely affect the flavor and which will not denature the proteins, for a time sufficient to dehydrate the butter to the extent necessary to preserve it under the conditions of storage. The dehydrated butter, after being stored for a desired period, may be readily reconstituted by adding water and emulsifying the resultant mixture. Group 20—21. Reg. No. 50,309.

Pat. 2,344,090. Milk-Protein Gel Dessert and Method of Producing the Same. Patented Mar. 14, 1944. Milk protein gel dessert having a soft, custard-like consistency and a homogeneous, smooth texture may be rapidly formed by adding to the dessert mixture a small amount of a lactone from a selected group capable of reacting with water to gradually yield a weak, edible, organic acid, which reacts with the milk protein to form a homogeneous gel. The lactone may be incorporated in the dessert mixtures by various methods. Group 20—99. Reg. No. 50,310.

Pat. 2,380,739. Process of Producing Pectinous Gels and Composition. Patented July 31, 1945. Pectinous gels may be rapidly formed without the use of high sugar concentrations as the dehydrating agent to enable pectin to be utilized as a food or dessert. The composition for producing the pectinous gels may comprise a mixture of a pectic substance of high molecular weight selected from the group consisting of ammonium, sodium, and potassium pectates, and a lactone from a selected group capable of reacting with water to yield a weak acid, which is capable of reacting with the pectic substance to form a homogeneous gel. Group 20—99. Reg. No. 50,311.

Pat. 2,420,735. Treatment of Proteins With Acids and Product Resulting Therefrom. Patented May 20, 1947. Modified proteins having low water absorptive properties for use as plastics may be prepared by treating proteins with a mixture of nitrous acid and a highly ionized strong mineral acid such as hydrochloric or sulfuric acid in which the hydrogen ion concentration in the mixture is not appreciably lower than 1N. The treatment is carried out for an extended period to convert ammonium groups and primary amide groups to carboxyl groups, and primary amine groups to hydroxyl groups without extensive hydrolysis of the peptide bonds. The invention is applicable to proteins in general such as casein, soybean protein, seim, wheat gluten, and the like. Group 28—83. Reg. No. 50,312.

Pat. 2,420,736. Treatment of Protein With Acids and Furfuryl Alcohol and Product Resulting Therefrom. Patented May 20, 1947. Modified proteins having low water absorptive properties for use as plastics may be prepared by treating either modified or unmodified protein with furfuryl alcohol at an elevated temperature for an extended period of time. Proteins modified by treatment with acids as disclosed in the above patent, No. 2,420,735, may be further treated with furfuryl alcohol to esterify the carboxyl groups. Group 28—83. Reg. No. 50,313.

Pat. 2,462,053. Plastic Composition. Patented Feb. 22, 1949. Plastic composition is particularly adapted for use in the production of loop antenna to be disposed within the cabinet of a radio or the like. The composition is composed of a major proportion of a polyamide of a polyfunctional amine and a polyfunctional acid derivable from the polymerization of higher fatty acids and their esters, and about 2 to 20% of a polymerized rosin. Group 28—83—99. Reg. No. 50,314.

Pat. 2,428,331. Preparation of Nitrogen Trichloride. Patented Sept. 30, 1947. Process of preparing nitrogen trichloride in a manner to eliminate corrosive problems comprises contacting gaseous chlorine with a solid ammonium salt admixed with an inert carrier in the presence of a small amount of moisture as compared with the amount of solid ammonium salt. The process may be carried out in a batch manner or may be made continuous. Group 28—86. Reg. No. 50,315.

Pat. 2,461,502. Cyanoethyl Ethers of Galactomannan and Glucomannan Gums. Patented Feb. 8, 1949. Cyanoethyl ethers of galactomannan and glucomannan type gums may be readily prepared by treating an alkaline solution of the gum with acrylonitrile for a short period at about room temperature. The ether precipitates as soon as formed and may be recovered from the reaction mixture by filtration and purified in a simple manner. Various alkaline materials may be used for the dispersion of the gum in aqueous solution, and the acrylonitrile may be used within the proportions of 2.5 to 5 moles per anhydro sugar unit. The ethers are insoluble in water and in the usual organic solvents, and may be readily hydrolyzed to the carboxy-ethyl ethers which are soluble in water and which display good viscosities in low concentration solutions. Group 28—89. Reg. No. 50,316.

Pat. 2,468,352. Synthesis of Cyano Acylamino Tricarboxylate Compounds and Products. Patented Apr. 26, 1949. Cyanotricarboxylate compounds, which are useful in further syntheses, particularly for the synthesis of pimelic and substituted pimelic acids, may be prepared by condensing gamma, gamma-dicarbalkoxy-gamma-acetamido butyraldehyde with an alkyl ester of cyanoacetic acid, and catalytically reducing the condensation product thus obtained. Examples and formulae are disclosed in the patent. Group 28—89. Reg. No. 50,317.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 27, 1953

[Vol. 666. No. 4]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 591,595. The Toledo Dental Products Company, Toledo, Ohio. Filed Jan. 27, 1950.

TRUJECT

For Investment Materials for Use in Investment Molding of Plastics.

Claims use since Jan. 23, 1950.

Ser. No. 623,006. Monsanto Chemical Company, St. Louis, Mo. Filed Dec. 29, 1951.

MONSANTO

Applicant claims ownership of Registration No. 549,401. For Bulk Rubber Compositions for Use in Further Manufacture. Claims use since Nov. 26, 1951.

Ser. No. 623,006. Monsanto Chemical Company, St. Louis, Mo. Filed Dec. 29, 1951.



Applicant claims ownership of Registration No. 549,401. For Bulk Rubber Compositions for Use in Further Manufacture. Claims use since Nov. 26, 1951.

Ser. No. 624,309. Seaboard Seed Company, Philadelphia, Pa. Filed Jan. 31, 1952.

BELMONT PARK

For Lawn Seed. Claims use since 1946.

Ser. No. 631,641. American Belly Tanning Corp., New York, N. Y. Filed June 24, 1952.

CRAFTAN

For Leather for Handicraft and Tooling Purposes. Claims use since Apr. 15, 1952.

CLASS 2

RECEPTACLES

Ser. No. 621,770. Interstate Bag Co., Walden, N. Y. Filed Nov. 28, 1951.

CARRYALL

Applicant claims ownership of Registration No. 128,087. For Handled Paper Shopping Bags. Claims use since July 29, 1912.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 538,374. Joseph F. Corcoran Shoe Company, Stoughton and Canton, Mass. Filed Oct. 20, 1947.



For Foot Polish. Claims use since Jan. 1, 1945.

Ser. No. 625,558. Florence W. Keep, doing business under the name of Keep Brothers, Philadelphia, Pa. Filed Jan. 29, 1952.



Applicant claims ownership of Registration No. 83,653. For Furniture Polish. Claims use since Jan. 15, 1908.

CLASS 5

ADHESIVES

Ser. No. 629,387. Polygram Casting Company, Limited, London, England. Filed May 8, 1952.

POLYGRAM

Applicant claims ownership of British Registration No. 701,908, dated Oct. 12, 1951.

For Binders Consisting Principally of Synthetic Resin, for Moulding Powders, Moulding Compositions, and for Moulding Sand for Foundry Use.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 595,817. American Drug & Chemical Co., Minneapolis, Minn. Filed Apr. 17, 1950. (Classified in Class 52.)

See this serial number in Class 52 for goods and mark. Claims use since June 10, 1943.

Ser. No. 601,436. Dudley A. Huber, doing business as The Huber Feltex Company, Toccoa, Ga. Filed July 20, 1950. (Classified in Class 52.)

See this serial number in Class 52 for goods and mark. Claims use since June 1, 1950.

Ser. No. 606,508. Pelron Corporation, Lyons, Ill., by change of name from Chemco Products Company, Inc. Filed Nov. 17, 1950.

PELRON

For Rust Preventives, Soldering Fluxes, Oxidation Retarding Fluxes, Wetting Agents, Corrosion Inhibitors, Anti-Weld Spatter Compounds or Compounds To Prevent the Weld Spatter From Sticking to the Surrounding Surface, Water Treatment Compounds Including Water Softening Compounds, Anti-Foam Compounds for General Use, Anti-Static Compounds for Plastic and Glass, Bactericides for Industrial Use, and Liquid and Powdered Compositions Comprising Metal Hydrogen Phosphates.

Claims use since July 24, 1950.

Ser. No. 623,520. Robert Steinman, Los Angeles, Calif., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Filed Jan. 12, 1952.

GARAN FINISH

The word "Finish" is disclaimed apart from the mark as shown.

For Slating Composition for Treating Glass Fibers and Glass Cloth.

Claims use since Aug. 26, 1950.

Ser. No. 623,806. The North American Mogul Products Company, Cleveland, Ohio. Filed Jan. 10, 1952.

MOGUL

Applicant claims ownership of Registrations Nos. 225,383 and 363,078.

For Compounds for the Inhibiting and Preventing of Rust, Scale, Carbon Deposit, Soot Formation, Corrosion, Pitting, Foaming, Priming, Sludge Formation, Algae Formation, Discoloration, and Congestion in Boilers, Furnaces, Hot and Cold Water Supply Systems, Heating Systems,

Heat Exchangers, Steam Lines, Return Lines, Pasteurizers, Sterilizers, Bottle Washers, Humidifiers, Compressors, Ice Machines, After-Coolers, Inter-Coolers, Air-Conditioners, Cooling Systems, Cooling Towers, Refrigeration Systems, Brine Tanks, Pipes and Coils, Diesel Engines, Condensers, Fuel Oil Tanks, Pre-Heater Coils, Burner Heads and All Other Equipment in Which Water, and/or Steam and Fuel Are Utilized.

Claims use since on or about Jan. 1, 1937.

Ser. No. 625,596. Haas Miller Corporation, Philadelphia, Pa. Filed Feb. 27, 1952.

FIBREGARD

Applicant claims ownership of Registration No. 546,121. For Emulsion of Dispersed Fats and a Protein Binder for Use in Processing Nylon, Cotton, Rayon, and Acetate Fiber as Well as Other Synthetic Fibers.

Claims use since June 1, 1950.

Ser. No. 630,651. Michigan Chemical Corporation, St. Louis, Mich. Filed May 16, 1952.

SUFFO

For Pesticides.
Claims use since July 1, 1946.

Ser. No. 632,213. Morris B. Klasky, doing business as Klasko Products Co., Los Angeles, Calif. Filed July 7, 1952.

PROTECTO

For Insecticides; Moth Flakes, Pads, Cakes, Tablets, and Crystals; Deodorizers for Toilet Bowls, Garbage Pails, Closets, Ice Boxes, Refrigerators, and Other Similar Uses.

Claims use since January 1034.

Ser. No. 632,904. Southwest Potash Corporation, New York, N. Y. Filed July 22, 1952.



The applicant disclaims exclusive use of the letter "K" apart from the mark as shown. The drawing is lined to indicate the color red.

For Muriate of Potash.
Claims use since June 17, 1952.

Ser. No. 633,245. Nourse Oil Company, Kansas City, Mo., and Kansas City, Kans. Filed July 18, 1952.

KNOK-EM-KOLD

Applicant claims ownership of Registration No. 300,137. For Insecticides and for a Cattle-Spraying Compound.

Claims use since Sept. 1, 1931.

Ser. No. 633,565. Brown-Forman Distillers Corporation, doing business as Brown-Forman Industries, Louisville, Ky. Filed Aug. 7, 1952.

BFI

For Photographic Print Flattening Solutions and for Hypo Neutralizers.

Claims use since Aug. 31, 1951.

Ser. No. 633,639. Stauffer Chemical Company, San Francisco, Calif. Filed Aug. 8, 1952.

S. E. X.

For Cotton Defoliant.
Claims use since July 31, 1952.

Ser. No. 633,938. Manufactures de Produits Chimiques du Nord-Etablissements Kuhlmann, Paris, France. Filed Aug. 14, 1952.

AMIETOL

Applicant claims ownership of French Registration No. 416,009, dated Nov. 22, 1951.

For Aminoethanols and Their Derivatives.

Ser. No. 634,225. United States Rubber Company, New York, N. Y. Filed Aug. 20, 1952.

POLYGARD

For Stabilizer for Use in Rubbers.
Claims use since Dec. 28, 1951.

Ser. No. 634,398. Chapman Chemical Company, Memphis, Tenn. Filed Aug. 25, 1952.

Golden Harvest

For Soybean Defoliant, Including Pentachlorophenol and Petroleum Hydrocarbons.

Claims use since July 17, 1951.

Ser. No. 634,405. Garan Chemical Corporation, Los Angeles, Calif. Filed Aug. 25, 1952.

GARALYST

For Catalyst Composition Used for Curing Polyester Resins.

Claims use since on or about September 1947.

Ser. No. 634,554. Skelly Oil Company, Kansas City, Mo. Filed Aug. 27, 1952.

SKELGAS

Applicant claims ownership of Registration No. 368,009. For Liquefied Petroleum Gas, Compressed Gas, Compressed Natural Gas, Liquefied Propane, Liquefied Butane, and Liquefied Ethane.

Claims use since June 1928.

CLASS 10

FERTILIZERS

Ser. No. 627,530. William H. Smith, Baltimore, Md. Filed Apr. 3, 1952.

GREEN FROG
PLANT FOOD
Makes Plants Jump

The drawing is lined for green. No claim is made to the words "Plant Food" and "Makes Plants Jump" apart from the mark as shown.

For Fertilizer for Plants and Strawberry.
Claims use since Feb. 7, 1952.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 632,429. Johns-Manville Corporation, New York, N. Y. Filed July 11, 1952.

Colorbestos

Applicant claims ownership of Registration No. 549,007. For Decorative Asbestos Siding Sheets.

Claims use since on or about May 6, 1952.

Ser. No. 632,565. Johns-Manville Corporation, New York, N. Y. Filed July 15, 1952. (Sec. 2f.)

WEATHERTITE

Applicant claims ownership of Registration No. 337,199. For Fiberboard Sheathing.

Claims use since on or about July 8, 1939.

Ser. No. 636,748. T-K Roofing Manufacturing Co., Chester, W. Va. Filed Oct. 16, 1952. (Sec. 2f.)

MICA
BILT

Applicant claims ownership of Registration No. 508,661. For Roofing or Siding Strips and Shingles Formed of Flexible Sheet Material Impregnated With Asphalt or the Like.

Claims use since June 18, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 620,779. Frenchtown Porcelain Company, Frenchtown, N. J. Filed Nov. 1, 1951.

ALMANOX

For Porcelain Nozzles for Use in Sand Blast Equipment.
Claims use since Oct. 10, 1951.

Ser. No. 631,855. The Enterprise Aluminum Company, Massillon, Ohio. Filed June 27, 1952.



The words "Aluminumware," and "Made in U. S. A.," and the representation of the goods are disclaimed apart from the mark. Applicant claims ownership of Registration No. 560,690.

For Base Metal Cooking Hollow Ware—Namely, Drip Coffee Makers, Tea Kettles, Percolators, Covered Sauce Pans, Covered Sauce Pots, Covered Kettles, Double Boilers, Combination Cookers, Lipped Sauce Pans, Dish Pans, Water Pails, Roasters, Syrup Pitchers, Dippers, Beverage Mixers in the Nature of Cocktail Shakers, Dairy Pans, Pie Plates, Casseroles, Colanders, Steam Cookers, Cooking Kettles, Preserving Kettles, and French Fryers.

Claims use since during the year 1927.

CLASS 15

OILS AND GREASES

Ser. No. 633,177. The Standard Oil Company, Cleveland, Ohio. Filed July 28, 1952.

HQD

Applicant claims ownership of Registration No. 524,156. For Lubricating Oil.

Claims use since Aug. 21, 1951.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 610,409. Boots Pure Drug Company Limited, Nottingham, England. Filed Feb. 23, 1951.

NEUSTAB

Applicant claims ownership of British Registration No. 561,987, dated Aug. 2, 1935.

For Thiacetazone Product Prepared for Use in Medicine and Pharmacy in Connection With the Treatment of Tuberculosis and Leprosy.

Ser. No. 621,982. Premo Pharmaceutical Labs., Inc., South Hackensack, N. J. Filed Dec. 1, 1951.

NEOGEN

For Suppositories of Sedative Action.

Claims use since Aug. 3, 1951.

Ser. No. 624,525. Cemac Laboratories, Inc., Detroit, Mich. Filed Feb. 5, 1952.

TRUMAC

For Enteric Coated Tablet for Sinus Taken Internally.

Claims use since Feb. 26, 1951.

Ser. No. 633,165. Organon Inc., Orange, N. J. Filed July 28, 1952.

ORGASONE

For Medicinal Preparation Used in the Treatment of Hormone Deficiencies and Allied Disorders.

Claims use since July 1, 1952.

Ser. No. 633,207. R. J. Moran Co., Boston, Mass. Filed July 29, 1952.

SYRUTUSSIN

For Medicament for Coughs, Containing a Narcotic, and Limited to Sale on Prescription Only.

Claims use since July 15, 1954.

Ser. No. 633,228. Torigian Laboratories, Inc., Queens Village, N. Y. Filed July 29, 1952.

HISTASCORBINE

For Pharmaceutical Preparation for Intramuscular Injection for Use in Alleviating the Symptoms of Peptic and Duodenal Ulcers Accompanied With Vitamin C Deficiencies.

Claims use since Apr. 2, 1947.

Ser. No. 637,977. Abbott Laboratories, North Chicago, Ill. Filed Nov. 13, 1952.

POLYBRENE

For Anti-Heparin Compound.

Claims use since Oct. 17, 1952.

Ser. No. 638,065. Commercial Solvents Corporation, New York, N. Y. Filed Nov. 14, 1952.

GINEBATIN

For Vaginal Suppositories Containing Bacitracin.

Claims use since Oct. 10, 1952.

CLASS 19

VEHICLES

Ser. No. 622,842. Packard Motor Car Company, Detroit, Mich. Filed Dec. 26, 1951.



The word "Car" is disclaimed apart from the mark as shown. The drawing is lined to represent the color blue.

For Motor Cars and Trucks.

Claims use since 1936.

Ser. No. 624,000. Zip Motors, Inc., Council Bluffs, Iowa. Filed Jan. 23, 1952.

ZIP

For Automobiles, Trucks, and House Trailers.

Claims use since Mar. 8, 1948.

Ser. No. 624,281. Marston Excelsior Limited, London, England. Filed Jan. 30, 1952.

MARFLEX

Applicant claims ownership of British Registration No. 627,449.

For Flexible Non-Metallic Tanks Used as Fuel Tanks, Water Tanks, Oil Tanks, and De-Icing Fluid Tanks, Being Parts of Aircraft, Watercraft, or Land Vehicles.

Ser. No. 624,515. William Wilson & Sons Limited, Guisely, England. Filed Feb. 4, 1952.

Silver Cross

Applicant claims ownership of British Registration No. 621,568, dated Jan. 5, 1943.

For Perambulators (Baby Carriages).

Ser. No. 624,993. Basford (Exporters) Company Limited, London, England. Filed Feb. 15, 1952.

FAGAS

Applicant claims ownership of British Registration No. 667,287, dated Feb. 26, 1948.

For Adult Bicycles and Tradesmen's Carrier Bicycles and Tricycles and Structural Parts for Such Goods.

Ser. No. 625,273. Henney Motor Company, Inc., Freeport, Ill. Filed Feb. 20, 1952. (Sec. 2f.)

HENNEY

Applicant claims ownership of Registration No. 524,287. For Motor Driven Ambulances, Hearses, Funeral Coaches, Combination Funeral Cars and Trucks, Flower Cars, Service Cars, and Other Specialized Motor Vehicles—Namely, Airport Limousines and Special Vehicles for Cripples.

Claims use since 1916.

Ser. No. 625,834. Travelite Trailer Company, Chicago, Ill. Filed Mar. 1, 1952.

Travelite

For House Trailers.

Claims use since May 1940.

Ser. No. 626,221. Storkline Furniture Corporation, Chicago, Ill. Filed Mar. 10, 1952.

Stroll-a-way

For Walker-Stroller for Children.

Claims use since the latter part of November 1951.

Ser. No. 627,648. The Sponge Rubber Products Company, Shelton, Conn. Filed Apr. 5, 1952.

SPONGEX

Applicant claims ownership of Registrations Nos. 300,788, 321,895, and others.

For Auto Trunk Strips and Auto Armrests.

Claims use since Jan. 16, 1952.

Ser. No. 628,973. The Viking Machine & Tool Corporation, Belleville, N. J. Filed Apr. 30, 1952.

Gas-o-lator

No claim is made to the word "Gas" apart from the mark as shown.

For Additional Gasoline Tanks for Automobiles Serving as Emergency Fuel Units.

Claims use since May 1, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 594,817. Trans-Lux Corporation, New York, N. Y. Filed Mar. 28, 1950.

TELEPROCESS

For Projection Screens, Film Projectors, and Parts Thereof.

Claims use since Oct. 17, 1949.

Ser. No. 618,578. Francis Walter Gulbert, doing business as Automatic Liquid Meter Co., Los Angeles, Calif. Filed Sept. 10, 1951.

ORTH-O-METER

The term "Meter," apart from the mark as shown, is disclaimed.

For Meters for Measuring the Flow of Liquids and Utilizing Rotary Vanes.

Claims use since June 28, 1944.

Ser. No. 620,553. Radtke & Wahl Gesellschaft mit beschränkter Haftung, Hannover, Germany. Filed Oct. 27, 1951.

FILTRALGLAS

Applicant claims ownership of German Registration No. 605,718, dated Mar. 9, 1951.

For Spectacle-glasses.

Ser. No. 623,039. N. P. Benson Optical Company, Minneapolis, Minn. Filed Jan. 2, 1952.

Certikon

For Ophthalmic Lenses for Eyeglasses.

Claims use since July 11, 1951.

Ser. No. 623,252. Fred J. Maier, Chicago, Ill. Filed Jan. 5, 1952.

SPX-NEST

For Spectacle Container.

Claims use since Nov. 15, 1951.

Ser. No. 623,420. Lillian S. La Bard, New York, N. Y. Filed Jan. 10, 1952.

DETECTO

For Specially Constructed Spectacles and Sunglasses for Forward and Rearward Vision.

Claims use since Jan. 3, 1952.

Ser. No. 625,405. Da-Lite Screen Company, Inc., Chicago, Ill. Filed Feb. 23, 1952.



The term "White" is disclaimed apart from the mark as shown.

For Motion Picture Screens.

Claims use since Dec. 26, 1951.

Ser. No. 631,091. Bausch & Lomb Optical Company, Rochester, N. Y. Filed June 12, 1952.

BALREX

For Spectacles and Spectacle Lenses.

Claims use since May 2, 1952.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 630,347. John Plain & Company, Chicago, Ill. Filed May 27, 1952.

Chalfont

For Men's and Women's Wrist and Other Watches.

Claims use since Apr. 28, 1952.

Ser. No. 630,585. Cyma Watch Co. S. A., La Chaux-de-Fonds, Switzerland. Filed June 2, 1952.



Priority under Sec. 44(d). Swiss application filed Jan. 9, 1952; Registration No. 140,710, dated Jan. 9, 1952.

For Watches and Parts of Watches, Clocks, Watch and Clock Movements, Dials, Cases, and Crowns.

Ser. No. 630,586. Cyma Watch Co. S. A., La Chaux-de-Fonds, Switzerland. Filed June 2, 1952.



Priority under Sec. 44(d). Swiss application filed Dec. 22, 1951; Registration No. 140,608, dated Dec. 22, 1951.

For Watches and Parts of Watches, Clocks, Watch and Clock Movements, Dials, Cases, and Crowns.

Ser. No. 630,587. Cyma Watch Co. S. A., La Chaux-de-Fonds, Switzerland. Filed June 2, 1952.



Priority under Sec. 44(d). Swiss application dated Dec. 22, 1951; Registration No. 140,607, dated Dec. 22, 1951.

For Watches and Parts of Watches, Clocks, Watch and Clock Movements, Dials, Cases, and Crowns.

Ser. No. 630,630. Tavannes Watch Co., Tavannes, Switzerland. Filed June 2, 1952.

CYMAFLEX

Applicant claims ownership of Swiss Registration No. 135,977, dated Dec. 9, 1950, and United States Registration Nos. 122,528, 412,987, and 521,007.

For Watches and Parts of Watches, Watch Movements, Dials, and Cases.

Ser. No. 632,171. Merit Watch Co., Inc., New York, N. Y. Filed July 5, 1952.

SPORTEX

For Watches, Watch Movements, Clocks, and Parts Thereof.

Claims use since November 1950.

Ser. No. 632,640. Waltham Watch Company, Waltham, Mass. Filed July 16, 1952.

PERMAFORCE

For Mainsprings for Watches.

Claims use since May 23, 1952.

Ser. No. 632,743. Morris Rabinowitz, Brooklyn, N. Y. Filed July 18, 1952.

GENWYN KIT

No claim is made to the word "Kit" apart from the mark shown on the drawing.

For Watch Parts.

Claims use since June 23, 1952.

Ser. No. 633,649. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 9, 1952.

Ballad

For Wrist, Strap, and Bracelet Watches, Watch Movements, Watch Cases, and Watch Parts.

Claims use since June 24, 1952.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 629,107. Gemex Company, Union, N. J. Filed May 2, 1952.

BRIGAND

For Bracelets and Watch Bracelets and Watch Straps.

Claims use since Apr. 24, 1952.

Ser. No. 633,537. Drema Manufacturing Company, Inc., New York, N. Y. Filed Aug. 6, 1952.

The BARRISTER

For Wrist-Bands for Wrist Watches.

Claims use since Dec. 14, 1951.

Ser. No. 633,650. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 9, 1952.

Ballad

For Wrist Bands, Bracelets, and Chains for Watches, Clasps and Fastenings Therefor, All Made in Whole or, in Part of, or Plated With Precious Metals, With or Without Jewels, Watch Straps and Wrist Bands for Watches, Made of Leather, Imitation Leather, Fabric, and Fabric Cord, Not Including Watches.

Claims use since June 24, 1952.

Ser. No. 634,042. Gemex Company, Union, N. J. Filed Aug. 16, 1952.

EXCALIBUR

For Bracelets and Watch Bracelets and Watch Straps.

Claims use since Aug. 4, 1952.

Ser. No. 634,713. David Sarkin, Inc., New York, N. Y. Filed Aug. 30, 1952.

TRU-SO

For Gold and Platinum Jewelry—Namely, Finger Rings.

Claims use since Jan. 15, 1952.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 607,492. E-Z Paint Corporation, Butler, Wis. Filed Dec. 9, 1950. (Sec. 21.)



Applicant claims ownership of Registration No. 435,352. For Paint Rollers.

Claims use since July 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 632,812. Mercantile Stores Company, Inc., Wilmington, Del. Filed June 16, 1952. (Sec. 21.)



For Electric Household Refrigerators.

Claims use since July 1, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 599,985. Sleepmaster Products Company, Inc., Newark, N. J. Filed June 29, 1950.

FOAMSLEEP

For Cushions for Seats, Backs, and Arms of Furniture; Upholstery Padding, Mattresses, Pillows, Box Springs.

Beds and Bed Frames, and Rubber, Foam Rubber, and Rubber Substitutes Used as Fillers, and Stuffing Material for Upholstered Furniture, and Mattresses and Pillows.
Claims use since June 8, 1949.

Ser. No. 622,633. Superior Sleeprite Corporation, Chicago, Ill. Filed Dec. 17, 1951.

STOR-BAK

For Davenport Beds.
Claims use since Oct. 24, 1951.

Ser. No. 629,385. Pendleton's, Shelby, N. C. Filed May 8, 1952.

Assm-A-Krib

No claim is made to the word "Krib" apart from the mark as shown.
For Baby's Cribs.
Claims use since Feb. 15, 1952.

Ser. No. 630,411. Hunter Douglas Corporation, New York, N. Y. Filed May 28, 1952.

TWI-LIGHTER

For Venetian Blinds.
Claims use since May 7, 1952.

CLASS 33 GLASSWARE

Ser. No. 623,810. Wis-Products, Inc., Goshen, N. Y., by change of name from Tamplings Incorporated. Filed Jan. 19, 1952.

WIZ-SEAL

No claim is made for the word "Seal" apart from the mark as shown in the drawing.
For Glass Pipe and Glass Fittings Therefor.
Claims use since Dec. 27, 1950.

CLASS 35

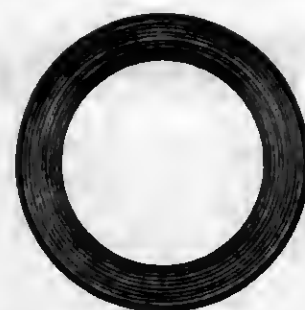
BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 618,053. Justin A. McCarthy, doing business as Justin A. McCarthy Company, Boston, Mass. Filed Aug. 24, 1951.

FIRE KING

Applicant disclaims the word "Fire" apart from the mark as used.
For Fire Hose.
Claims use since Feb. 3, 1932.

Ser. No. 629,362. The General Tire & Rubber Company, Akron, Ohio. Filed May 8, 1952.



For Pneumatic Tires.
Claims use since Sept. 19, 1951.

Ser. No. 629,668. The General Tire & Rubber Company, Akron, Ohio. Filed May 14, 1952.



No claim is made to a representation of a tire apart from the mark as shown. Applicant claims ownership of Registrations Nos. 114,963, 152,068, and others.

For Pneumatic Tires and Related Goods—Namely, Inner Tubes, Air Bags for Tire Repair and Retreading, Repair Patches, and Tire and Tube Repair Kits Comprising Patching Material, Tube Cement, and Buffers; and for Mechanical and Miscellaneous Molded and Extruded Rubber Goods—Namely, Rubber Bushings, Rubber Washers, Solid Industrial Rubber Tires, Rubber Seals and Gaskets, Rubber Machinery Belts, and Rubber Hoses.
Claims use since Mar. 24, 1952.

Ser. No. 634,232. Atlas Supply Company, Newark, N. J. Filed Aug. 21, 1952.

ATLAS EZE-ON

Applicant disclaims the words "Eze-On" apart from the mark shown in the drawing. Applicant claims ownership of Registrations Nos. 291,995 and 434,307.
For Radiator Hose for Use on Automobiles.
Claims use since June 23, 1952.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 627,700. Precision Plastics Company, Philadelphia, Pa. Filed Apr. 7, 1952.



The name "Little John" is fictional and not that of any person living or dead. The word "Records" is disclaimed apart from the mark as shown. The lining on the drawing is for the color red.
For Phonograph Records.
Claims use since Jan. 1, 1951.

CLASS 37

PAPER AND STATIONERY

Ser. No. 600,465. Bonus Savings Stamp Co., Kansas City, Mo. Filed July 11, 1950.



For Blank Savings Stamp Books.
Claims use since Feb. 21, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 624,093. James H. Martin, Chicago, Ill. Filed Jan. 25, 1952.



For Printed Wall Cards Bearing Mottoes.
Claims use since Dec. 15, 1950.

Ser. No. 628,379. Warwick Typographers, Inc., St. Louis, Mo. Filed Apr. 19, 1952.



For Lithographic Reproduction Photo Proofs.
Claims use since Dec. 10, 1950.

Ser. No. 628,823. Phonovisual Products, Washington, D. C. Filed Apr. 28, 1952.

PHONOVISUAL

For Printed Educational Materials—Namely, Text Books, Charts, Lesson Sheets and Cards, and the Like, Issued From Time to Time.
Claims use since May 1944.

Ser. No. 629,220. Speed Age, Inc., Hyattsville, Md. Filed May 5, 1952.

Speed Age

For Magazines.
Claims use since April 1947.

CLASS 39

CLOTHING

Ser. No. 588,290. Dominique France, Inc., New York, N. Y., and elsewhere in the United States. Filed Nov. 25, 1949.



The representation of the neckties and scarves is disclaimed. The pictorial representations of the two figures are fanciful.
For Men's Neckties and Scarves.
Claims use since Sept. 21, 1949.

Ser. No. 603,589. Moran Shoe Company, Carlyle, Ill. Filed Sept. 15, 1950.

CREEPUR - WALK

For Infants' Shoes Made of Leather.
Claims use since Jan. 1, 1950.

Ser. No. 603,590. Moran Shoe Company, Carlyle, Ill. Filed Sept. 15, 1950.

CREEPUN - WALK

For Infants' Shoes Made of Leather.
Claims use since Jan. 1, 1950.

Ser. No. 606,387. Miller Manufacturing Co., Inc., Joplin, Mo., and New York, N. Y. Filed Nov. 14, 1950.

STAR of HOLLYWOOD

The words "Of Hollywood" are disclaimed apart from the mark as shown.
For Men's and Boys' Sport Shirts, Trousers, and Jackets.
Claims use since June 1, 1950.

Ser. No. 614,210. Little Countess Girls' Coats, Inc., New York, N. Y. Filed May 22, 1951.



For Infants', Children's, and Teen Age Girls' Coats, Suits, Legging and Hat Sets, Coat and Hat Sets, and Slacks.
Claims use since April 1927.

Ser. No. 617,417. Nani Sportswear Limited, Honolulu, Territory of Hawaii. Filed Aug. 7, 1951.

Nani

For Men's and Women's and Children's Apparel—Namely, Pedal Pushers, Trousers, Jackets, Coats, Outer Shirts, Blouses, Skirts, Dresses, Stoles, Camisoles, Garment Belts, and Brassières.

Claims use since Feb. 1, 1948.

Ser. No. 620,490. C. S. & C. Mfg. Co. Inc., New York, N. Y. Filed Oct. 26, 1951.

A Su Co. PRODUCT

Applicant disclaims the word "Product" apart from the mark as shown.

For Men's and Children's Hats.

Claims use since July 1, 1951.

Ser. No. 621,455. Eagle Clothes, Inc., New York, N. Y. Filed Nov. 20, 1951.

TERRAPIN

For Men's Clothing—Namely, Coats, Topcoats, and Suits.

Claims use since Oct. 23, 1951.

Ser. No. 623,615. Pioneer Cap Co., Kansas City, Mo. Filed Jan. 15, 1952.

LEATHERSTEAD

For Caps, Hats, Jackets, and Coats for Men, Women, and Children.

Claims use since July 15, 1951.

Ser. No. 625,981. Fox Brothers & Company Limited, Wellington, Somerset, England. Filed Mar. 5, 1952.



Applicant disclaims the word "Scarves" except as shown. Applicant claims ownership of Registrations Nos. 367,728 and 398,700.

For Scarves Made From Wool.

Claims use since about the year 1930 in England; and first used in commerce between the United States and the United Kingdom on Sept. 16, 1947.

Ser. No. 626,518. Lurrie Placer Company, Los Angeles, Calif. Filed Mar. 15, 1952.

Aqua Teens

The word "Teens" is disclaimed apart from the mark as shown on the drawing.

For Children's Bathing Suits.

Claims use since Feb. 12, 1952.

Ser. No. 626,519. Lurrie Placer Company, Los Angeles, Calif. Filed Mar. 15, 1952.

AquaTots

The word "Tots" is disclaimed apart from the mark as shown on the drawing.

For Children's Bathing Suits.

Claims use since Feb. 12, 1952.

Ser. No. 626,534. Royal Robes, Inc., New York, N. Y. Filed Mar. 15, 1952.

Royal Robe

The word "Robe" is disclaimed, apart from the mark as shown. Applicant claims ownership of Registrations Nos. 377,453 and 536,180.

For Women's and Misses' Robes—Namely, Bath Robes, Beach Robes, Negligees, Brunch Coats, Housecoats, Leisure Robes, and Hostess Coats.

Claims use since 1926.

Ser. No. 626,537. Royal Robes, Inc., New York, N. Y. Filed Mar. 15, 1952.

ROYAL Lounger

Applicant claims ownership of Registrations Nos. 189,829, 377,453, and others.

For Men's Bath Robes, Sport Jackets, Leisure Jackets, Sport Shirts, Leisure Shirts, and Swim Trunks.

Claims use since July 31, 1939.

Ser. No. 626,840. H. Priestley & Co., Inc., New York, N. Y. Filed Apr. 4, 1952. (Sec. 2f.)

NON-CRUSH

Applicant claims ownership of Registrations Nos. 353,430 and 520,529.

For Men's Neckties and Suits Made of Cloth or Piece Goods of Worsted, Mohair and Combinations Thereof, With Silk, Cotton or Rayon Occasionally Added for Decoration.

Claims use since Dec. 15, 1922.

Ser. No. 626,894. Metropolitan Shoemakers, Inc., Chicago, Ill. Filed Mar. 22, 1952.

De La Mar

Applicant claims ownership of Registration No. 362,121.

For Ladies' Shoes.

Claims use since June 1937.

Ser. No. 627,012. Paul Samuels, Meadville, Pa. Filed Mar. 25, 1952.



No claim is made to the representation of the goods apart from the mark shown on the drawing.

For Interchangeable Saddle Cover for Men's and Women's Oxford Shoes.

Claims use since February 1952.

Ser. No. 627,022. Vogue Shoe, Inc., Los Angeles, Calif. Filed Mar. 25, 1952.

Pompadours
by SKOOTERS

For Women's Shoes Made of Leather, Fabric, and Textiles.

Claims use since Jan. 30, 1952.

Ser. No. 628,213. Lesnow Shirt Co., Inc., Easthampton, Mass. Filed Apr. 17, 1952. (Sec. 2f.)

Empire State

Applicant claims ownership of Registration No. 289,455.

For Outer Shirts.

Claims use since Sept. 1, 1930.

Ser. No. 628,252. Calzados Tres Caballos, S. de R. L., Leon, Guanajuato, Mexico. Filed Apr. 18, 1952.

Tres Caballos

Applicant claims ownership of Registration No. 540,430.

For Boots, Shoes, and Jodhpurs for Men, Women, and Children.

Claims use since 1920.

Ser. No. 628,288. Modiste Shoes, Inc., New York, N. Y. Filed Apr. 18, 1952.

TIP TOPPERS

For Ladies' and Misses' Shoes.

Claims use since Apr. 2, 1951.

Ser. No. 628,450. Welt Brassiere Corporation, New York, N. Y. Filed Apr. 21, 1952. (Sec. 2f.)

Proper Posture

Applicant claims ownership of Registrations Nos. 401,661 and 190,269.

For Corsets, Brassières, and Foundation Garments.

Claims use since February 1939.

Ser. No. 628,620. Eagle Shirtmakers, Inc., Philadelphia, Pa. Filed Apr. 24, 1952.

EAGLE

Applicant claims ownership of Registration No. 110,603. For Men's Woven Dress Shirts, Negligee Shirts, Under-shirts, Drawers, Night Shirts, and Pajamas, and Sport Shirts.

Claims use since October 1868.

Ser. No. 628,648. Reislater Hats, Inc., Garland, Tex. Filed Apr. 24, 1952.

Rolnex
PROCESS

No claim is made to the exclusive use of the word "Process" apart from the mark shown on the drawing.

For Men's Hats Made of Felt.

Claims use since Aug. 7, 1951.

Ser. No. 630,907. Patrick-Duluth Co., Duluth, Minn. Filed June 7, 1952.

NORTHLANDER

Applicant claims ownership of Registration No. 148,913. For Coats, Jackets, Ski Pants, Snowsuits, Mittens, Outer Shirts, Breeches, Pants, Slacks for Men and Women, and Caps.

Claims use since about June 1, 1950.

Ser. No. 631,208. Hat Corporation of America, Norwalk, Conn. Filed June 14, 1952.

V V L

For Hats for Men.

Claims use since Apr. 23, 1952.

Ser. No. 633,154. Hyman and Hyman, also known as Hyman & Hyman, Philadelphia, Pa. Filed July 28, 1952.

Ricki-Reeve

The name "Ricki-Reeve" is fanciful. Applicant claims ownership of Registration No. 531,149.

For Women's, Misses', Junior Misses', and Children's Dresses.

Claims use since on or about July 17, 1952.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS,
AND SUBSTITUTES THEREFOR

Ser. No. 613,312. Tanbro Fabrics Corp., New York, N. Y.
Filed Apr. 28, 1951.

CQ

For Textile Fabrics in the Piece Composed of Rayon,
Cotton, Linen, Wool, Nylon, and Combinations Thereof.
Claims use since Sept. 11, 1950.

Ser. No. 635,223. Forstmann Woolen Co., Passaic, N. J.
Filed Sept. 13, 1952.

CASTILIAN

For Woolen Piece Goods.
Claims use since Sept. 10, 1952.

CLASS 43

THREAD AND YARN

Ser. No. 602,704. Societe Rhovyl, Paris, France. Filed
Aug. 22, 1950.

RHOVYLON

Priority under Sec. 44(d). French application filed
June 14, 1950; Registration No. 403,760, dated June 14,
1950. Applicant claims ownership of United States Regis-
tration No. 516,070.

For Threads of Wool, Hair, Cotton, Silk, Hemp, Flax,
and Jute.

Ser. No. 623,700. American Cyanamid Company, New
York, N. Y. Filed Jan. 17, 1952.

X-51

For Thread and Yarn Containing Synthetic Fiber.
Claims use since Dec. 20, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL
APPLIANCES

Ser. No. 591,187. Paul R. Paradise, doing business as
National Sanitary Sales, Chicago, Ill. Filed Jan. 20,
1950.



PROTEX

For Rubber Prophylactics Sold for the Prevention of
Disease Only.
Claims use since Oct. 1, 1948.

Ser. No. 614,062. Hy-Pure Laboratories, Inc., Cincinnati,
Ohio. Filed June 2, 1951. (Sec. 2f.)

PROTECTS

Applicant claims ownership of Registration No. 293,384.
For Membranous and Rubber Prophylactic Articles for
the Prevention of Contagious Diseases.
Claims use since on or about Apr. 19, 1929.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 579,215. Jacob Ries Bottling Works, Inc., Shakopee,
Minn. Filed May 20, 1940.

THE KING OF SPARKLING WATERS

The words "The" and "Of Sparkling Waters" are hereby
disclaimed apart from other features of the mark shown
in the drawing. Applicant claims ownership of Registra-
tions Nos. 129,172 and 67,402.
For Still and Effervescent Table Waters.
Claims use since Mar. 26, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 546,353. Briardale Co., San Francisco, Calif.
Filed Jan. 7, 1948. (Sec. 2f.)

WESTLAKE

Applicant claims ownership of Registration No. 266,487.
For Canned Food Products—Namely, Peeled and Un-
peeled Apricots, Baked Beans, Lima Beans, Whole and
Sliced Beets, Peas and Carrots, Corn, Cut and Sliced Green
and Wax Beans, Fruit Salad, Fruit Cocktail, Hominy,
Peaches, Pears, Pineapple, Spinach, Sauer Kraut, Tomato
Sauce, Tomato Juice, Mixed, Cut Vegetables for Salads,
Asparagus Spears and Tips, Crabmeat, Tuna, Mackerel,
Salmon, Sardines, Clams, Shrimps, Oysters, Grapefruit
Juice, Ripe Olives, Sweet Peas, Tomatoes, Peanut Butter,
Vinegar, Tomato Catsup, Honey, and Salad Dressing.
Claims use since Nov. 1, 1928.

Ser. No. 561,008. Lone Star Elevators, Amarillo, Tex.,
assignee of Globe Mills, Inc. Filed July 9, 1948. CON-
CURRENT USE with Registration No. 241,093 for the
goods stated above for the area comprising Texas, New
Mexico, and Arizona.

MAGNOLIA

For Wheat Flour.
Claims use since approximately October 1900.

Ser. No. 580,407. House of Hansel and Gretel, Los Gatos,
Calif., assignor to Richard M. Lyman, Los Gatos, Calif.
Filed June 14, 1949.

HOUSE of

HANSEL & GRETEL

The descriptive term "House of" is disclaimed apart
from the mark as shown in the drawing.
For Candles, Fruit Cakes, Cookies, and Glazed Fruits.
Claims use since Nov. 10, 1945.

Ser. No. 580,408. House of Hansel and Gretel, Los Gatos,
Calif., assignor to Richard M. Lyman, Los Gatos, Calif.
Filed June 14, 1949.



The words "House of" and "Los Gatos Village" are dis-
claimed apart from the mark as shown in the drawing.
For Candles, Fruit Cakes, Cookies, and Glazed Fruits.
Claims use since Nov. 10, 1945.

Ser. No. 580,657. John L. Franks & Co., Miles, Iowa.
Filed June 17, 1940.



The words "It Gets Results" are disclaimed as apart
from the mark shown. The drawing is lined for red.
For Mixed Commercial Animal Feed for Poultry, Swine,
and Dairy Cattle.
Claims use since Jan. 2, 1945.

Ser. No. 582,803. Thomas J. Webb Company, Chicago, Ill.
Filed Aug. 1, 1949.

Thomas J. Webb

The name "Thomas J. Webb" is the name of the presi-
dent (now deceased) of applicant's predecessor, The Publ-
Webb Company. Applicant claims ownership of Registra-
tion No. 183,953.
For Coffee and Tea.
Claims use since November 1917.

Ser. No. 594,200. Hamilton C. Davis, doing business as
Walnut Creek Canning Company, Walnut Creek, Calif.
Filed Mar. 18, 1950.

La DIVA

For Canned Tomato Paste.
Claims use since September 1949.

Ser. No. 599,962. National Oats Company, East St. Louis,
Ill. Filed June 29, 1950. (Sec. 2f.)



Applicant claims ownership of Registration No. 250,023.
For Feeds for Poultry, Dogs, and Live Stock.
Claims use since 1904.

Ser. No. 601,804. Marion County Greenhouse Growers,
Inc., Indianapolis, Ind. Filed Aug. 5, 1950.

HOOSIER BOY

For Fresh Whole Tomatoes and Leaf Lettuce.
Claims use since Apr. 1, 1950.

Ser. No. 604,153. Karmelkorn Corporation, Chicago, Ill.
Filed Sept. 28, 1950.

KARMELKORN

Applicant claims ownership of Registrations Nos.
272,775 and 303,463.
For Popcorn Candy, Seasoned Popcorn, Cheese Covered
Popcorn and Popcorn Balls Each of Which is Made From
Popped Popcorn; and Also Unpopped Popcorn, Candy,
Candied Apples, Nuts, and Ice Cream.
Claims use since Jan. 1, 1930.

Ser. No. 605,735. John A. Gallanis, doing business as Temptation Original Candy Co., Chicago, Ill. Filed Nov. 1, 1950.

Temptation

Applicant claims ownership of Registration No. 286,427. For Candies.
Claims use since on or about Apr. 1, 1912.

Ser. No. 608,141. Atlantic Lobster House, Inc., Charlestown, Mass. Filed Dec. 28, 1950.

Tony George's

The name "Tony Georges" identifies the present president of the applicant corporation.

For Canned Lobster Bisque, Canned Lobster Newburg, and Canned Lobster.

Claims use since Oct. 30, 1950.

Ser. No. 615,469. Van Buren County Fruit Exchange, Inc., Fort Lauderdale, Fla. Filed June 20, 1951.

PERSONALITY

For Fresh Citrus and Deciduous Fruits, and Fresh Vegetables.

Claims use since May 22, 1951.

Ser. No. 617,546. Meat Industry Suppliers, Inc., Chicago, Ill. Filed Aug. 10, 1951.

WAGON WHEEL

For Barbeque Sauce.

Claims use since May 18, 1951.

Ser. No. 618,738. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Sept. 13, 1951.

GOLD MEDAL

Applicant claims ownership of Registrations Nos. 13,253, 61,763, and others.

For Wheat Flour, Farina, Corn Meal, Noodle Flour, Cracked Wheat, Graham Flour, Wholewheat Flour, Rye Meal, Medium Rye, Semolina, Wheat Grits, Bran, Durum Granular, Rye Chop, Kurled Wheat, Pancake Flour, Buckwheat, and Wheat Flour.

Claims use since Jan. 1, 1874.

Ser. No. 619,538. Embassy Chocolate Products Company, Los Angeles, Calif. Filed Oct. 3, 1951.

**PECANINNY
PIE**

The representation of the face of a child shown on the drawing is entirely fanciful and is not a likeness of any known living person.

For Candy.

Claims use since June 22, 1951.

Ser. No. 621,620. Consolidated Factors, Monterey, Calif. Filed Nov. 24, 1951.

SEA DIAMOND

SEA

The word "Sea" is disclaimed apart from the mark as shown.

For Sea Products—Namely, Fresh, Frozen, Smoked, and Dried Fish and Crabs; and Fresh and Frozen Shrimp.

Claims use since May 18, 1950.

Ser. No. 621,850. Woods Bros. Coffee Company, Roanoke, Va. Filed Nov. 29, 1951. (Sec. 2f.)

THE
CROWNING TOUCH
TO
EVERY MEAL

For Coffee and Tea.

Claims use since 1934.

Ser. No. 622,714. John W. Frye, Jr., doing business as White Hut, Warrington, Fla. Filed Dec. 20, 1951.

ANDY - BURGER

No claim is made to the word "Burger" apart from the mark as shown.

For Hamburger Sandwiches.

Claims use since February 1949.

Ser. No. 623,326. Algin Corporation of America, New York, N. Y. Filed Jan. 9, 1952.

GELCARIN

For Refined Irish Moss Extract Used as a Thickening, Suspending, or Gelling Ingredient or Agent in Food Products Such as Chocolate Milk, Chocolate Syrup, Milk Puddings, Custard Puddings, Fruit and Fruit-Flavored Jellies, Candy Fillings, Ice Cream Stabilizers, Coatings for Preserved Meats, and Cream Cheese.

Claims use since Apr. 22, 1949.

Ser. No. 624,210. Shoreland Freezers, Inc., Salisbury, Md. Filed Jan. 28, 1952.

SHORELAND

For Frozen Fruits and Vegetables.
Claims use since April 1948.

Ser. No. 625,045. South African Rock Lobster Association, Inc., New York, N. Y. Filed Feb. 15, 1952.



For Frozen South African Rock Lobster Tails.
Claims use since July 1, 1949.

Ser. No. 626,235. Fishermen's Federation, Inc., Seattle, Wash., New York, N. Y., Chicago, Ill., and Vancouver, British Columbia, Canada. Filed Mar. 11, 1952.

White Surf

For Canned Crabmeat and Fresh Frozen Fish.
Claims use since May 1948.

Ser. No. 626,516. Lekas & Drivas, Inc., doing business under the name Lekas and Drivas, New York, N. Y. Filed Mar. 15, 1952.

L.&D.

Applicant claims ownership of Registration No. 82,097. For Cheese.
Claims use since 1907.

Ser. No. 626,572. Huter-Quest & Co., Inc., Louisville, Ky. Filed Mar. 17, 1952.

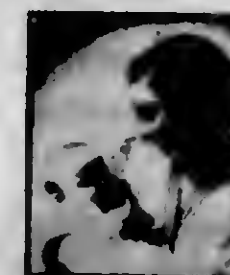
TAKAWAY

For Canned and Bottled Fruit Mixes, Candies, and Syrups, All Sold for Use as Toppings for Ice Cream and the Like, or for Admixture With Ice Cream and the Like Frozen Confections.

Claims use since Feb. 28, 1952.

Ser. No. 627,036. The Baker Laboratories, Inc., Cleveland, Ohio. Filed Mar. 20, 1952. (Sec. 2f as to "Baker's.")

**BAKER'S
MODIFIED MILK**



Applicant makes no claim to the words "Modified Milk." The pictorial portion of the trade-mark is not the representation of particular living individuals.

For Infant Food, Consisting of Tuberculin Tested Cows' Milk in Which the Milk Fat Has Been Replaced by Coconut Oil, Destearinated Beef Fat, and Corn Oil; With the Addition of Lactose, Dextrose, Fish Liver Oil Concentrate, Activated 7-Dehydrocholesterol, Thiamine, Niacinamide, and Iron Ammonium Citrate, Such Goods Being Known as "Filled Milk," and Being Sold Only in Drug Stores, Usually Upon a Physician's Prescription.

Claims use since Feb. 1, 1952, on the mark as shown; and since 1936 as to "Baker's."

Ser. No. 627,864. Blu-Bo Products Co., New York, N. Y. Filed Apr. 10, 1952.

Blu-Bo

For Dog Food.
Claims use since August 1949.

Ser. No. 628,517. Armour and Company, Chicago, Ill. Filed Apr. 23, 1952.

Pantry Maide

Applicant claims ownership of Registration No. 300,583. For Margarine.
Claims use since Jan. 5, 1952.

Ser. No. 628,555. Phillip Rosenberg, doing business as Sagel's Candies, Wildwood, N. J. Filed Apr. 23, 1952. (Sec. 2f.)

Sagel's

For Candy.
Claims use since on or about Jan. 15, 1943.

Ser. No. 630,011. Marvin Canning Company, Inc., Dallas, Tex. Filed May 21, 1952.

TIGE

For Canned Dog Food.
Claims use since Mar. 24, 1952.

Ser. No. 630,302. American Chewing Products Corp., Newark, N. J. Filed May 27, 1952.

Clorized

For Chewing Gum.
Claims use since May 2, 1952.

Ser. No. 631,817. Roanoke City Mills, Inc., Roanoke, Va.
Filed June 26, 1952.

**BROWN
HOUND**

For Prepared Flour Mix Used in Deep Fat Frying of
Wieners.
Claims use since July 1950.

Ser. No. 631,970. Alexander Aloff, doing business under
the name Chicago Packing Company, Chicago, Ill. Filed
June 30, 1952. (Sec. 2f.)

**OCEAN
MINNIES**

Applicant claims ownership of Registration No. 423,146.
For Smoked Dried Boneless Fish.
Claims use since June 1, 1945.

Ser. No. 632,147. Blue Plate Foods, Inc., New Orleans,
La. Filed July 5, 1952. (Sec. 2f.)

Mrs. Pickford's

The mark does not consist of or comprise the signature
of nor is it represented to be a name identifying a particu-
lar living individual.

For Salad Dressing.
Claims use since Feb. 20, 1941.

Ser. No. 632,190. Bear State Packers, Inc., Sanger, Calif.
Filed July 7, 1952.

 **Bear State**

No claim is made to the map of California apart from
the mark as shown. Applicant claims ownership of Regis-
tration No. 561,441.

For Fresh Deciduous Fruits and Fresh Grapes.
Claims use since June 1, 1950, on the mark as shown;
and since Feb. 28, 1950, as to the words "Bear State."



For Canned Dog and Cat Food.
Claims use since May 1952.

Ser. No. 633,760. Federal Sweets & Biscuit Co., Inc., Chi-
cago, N. J. Filed Aug. 12, 1952.

Chocolate
PECAN PIE

The words "Chocolate Pecan" are disclaimed apart from
the mark as shown in the drawing.
For Candy.
Claims use since Jan. 2, 1950.

Ser. No. 634,390. Youngstown Grape Distributors, Reedley,
Calif. Filed Aug. 23, 1952.

THREE BELLS

For Fresh Grapes and Fresh Deciduous Fruits.
Claims use since 1945.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 610,880. Joseph C. Wilson, doing business as
Joe Wilson, Lexington, Ky. Filed Mar. 5, 1951.

FLYING

SAUCER

For Bottled Cocktails Containing Rum and Gin.
Claims use since July 1, 1945.

CLASS 50**MERCHANDISE NOT OTHERWISE
CLASSIFIED**

Ser. No. 615,378. Flex-O-Glass, Inc., Chicago, Ill. Filed
June 19, 1951. (Sec. 2f.)

WARP'S

Applicant claims ownership of Registration No. 414,859.
For Flexible, Translucent, and Transparent Sheet Mate-
rials; for Transparent and Translucent, Reinforced Sheet
Materials of Natural and Artificial Resins and Plastics;
and for Flexible, Translucent, and Colored Sheet Materials
of Artificial and Natural Resins and Plastics, and Flexible,
Translucent, and Colored Materials Having a Woven Tex-
tile Base; All Materials Being Used as Substitutes for
Glass Panes in Light Admitting Openings.
Claims use since July 1, 1922.

CLASS 51**COSMETICS AND TOILET PREPARATIONS**

Ser. No. 620,075. N. A. Morro & Company Limited, Auck-
land and Newmarket, Auckland, New Zealand. Filed
Oct. 11, 1951.

REEVES

"Cover Veil"

Applicant disclaims the words "Cover," "Powder-Pad,"
and "Make-Up" and the surname "Reeves" apart from the
mark as shown. Applicant claims ownership of New
Zealand Registration No. 46,502, dated June 11, 1948.

For Cosmetics—Namely, Face-Make Up Preparations,
Namely: Powder Base, Powder, Rouge, Lip Stick, and Face
Creams.

Ser. No. 626,030. Lever Brothers Company, New York,
N. Y. Filed Mar. 18, 1952.

AYER MAGIC

No claim is made to the exclusive use of the name "Ayer"
apart from the mark as shown in the drawing.

For Facial Make-Up Base.
Claims use since Jan. 18, 1952.

Ser. No. 633,416. Sam Feldman, Long Beach, Calif.
Filed Aug. 2, 1952.

Angel's Breath

For Perfume.
Claims use since Feb. 4, 1952.

CLASS 52**DETERGENTS AND SOAPS**

Ser. No. 595,817. American Drug & Chemical Co., Min-
neapolis, Minn. Filed Apr. 17, 1950.

AMZOL

For Amber Colored Disinfectant, Germicide, and Anti-
septic Liquid Put Up in Bottles Exclusively for Use on
Inanimate Objects or External Application Primarily for
Cleansing or Disinfecting Instruments, Tools, and Sur-
faces, and Never for Internal Human Consumption.
Claims use since June 10, 1943.

Ser. No. 601,436. Dudley A. Huber, doing business as The
Huber Feltex Company, Toccoa, Ga. Filed July 29, 1950.

FELTEX

For Felt Cleaning and Conditioning Compound Used on
Paper Mill Wet Felts.
Claims use since June 1, 1950.

Ser. No. 610,606. Abco, Inc., McKeesport, Pa., by change
of name from Apter Bros. & Co., Inc. Filed Feb. 28,
1951.

SAFOLENE

For Soap for General Cleaning.
Claims use since 1941.

Ser. No. 615,327. The Andrew Jergens Company, Cincin-
nati, Ohio. Filed June 18, 1951. (Sec. 2f.)

For the Skin you love to touch

For Toilet Soap.
Claims use since 1914.

SERVICE MARKS

CLASS 100 MISCELLANEOUS

Ser. No. 567,970. Helitz Manufacturing Company, Philadelphia, Pa. Filed Nov. 1, 1948. (Classified in Class 101.) (Sec. 2f.)
See this serial number in Class 101 for goods and mark.
Claims use since Jan. 1, 1923.

Ser. No. 598,044. Sigma Phi Epsilon Fraternity, Richmond, Va. Filed May 24, 1950. COLLECTIVE MARK.

**SIGMA
PHI
EPSILON**

Applicant claims ownership of Registration No. 387,956.
For Organizing of Chapters and Regional Alumni Groups and Maintenance of Membership in a National Collegiate Fraternity.
Claims use since 1901.

Ser. No. 619,658. The Thermix Corporation, Greenwich, Conn. Filed Oct. 5, 1951.



Applicant claims ownership of Registrations Nos. 404,662 and 541,678.

For Designing and Engineering of Mechanical Dust Collectors, Electrostatic Collectors, Fan Stacks, Induced Draft Fans, Forced Draft Fans, Air Heaters, Air Cleaners, Oil Gas Scrubbers, Dampers, Aircraft Controls, and Aircraft Seats.

Claims use since June 1947.

Ser. No. 630,340. National Association of Evangelicals, Chicago, Ill. Filed May 27, 1952.

NAE

For Disseminating Religious Literature and Assisting Religious Organizations, Missions, and the Like to Obtaining Passports and Equipment.
Claims use since May 15, 1942.

904

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 507,970. Helitz Manufacturing Company, Philadelphia, Pa. Filed Nov. 1, 1948.



For Mechanical, Metallurgical, and Chemical Engineering Services for Others—Namely, Research, Development, and Testing of Materials, Products, Processes, and Machines; and Production Planning and Layout.
Claims use since Jan. 1, 1923.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 599,410. American District Steam Company, North Tonawanda, N. Y. Filed June 20, 1950.



Applicant claims ownership of Registrations Nos. 111,155 and 266,320.

For Treating the Interiors of Storage Heater Tanks To Render Them Corrosion-Resistant by Applying Coatings of Various Materials.

Claims use since Jan. 15, 1950.

Ser. No. 611,160. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 10, 1951.



Applicant disclaims the words "Disinfecting Company" apart from the mark as shown on the drawing. Applicant claims ownership of Registrations Nos. 237,150, 379,308, and others.

For Toilet Room Disinfecting and Sanitation; Insect, Pest, and Rodent Control and Extermination by Chemicals.

Claims use since Dec. 1, 1950.

Ser. No. 614,005. Michaels & Co. Inc., Brooklyn, N. Y. Filed May 17, 1951.



The wording shown in the drawing is disclaimed except "Triple Tested." Applicant claims ownership of Registrations Nos. 404,680, 412,148, and others.

For Repairing and Reupholstering of Furniture.
Claims use since Feb. 4, 1944.

JANUARY 27, 1953

U. S. PATENT OFFICE

905

Ser. No. 625,252. Combined Laundries, Inc., Mount Vernon, N. Y. Filed Feb. 20, 1952.



No claim is made to the exclusive use of the words "Launder," "The," and "Way" apart from the mark as shown. Applicant claims ownership of Registration No. 291,772.

For Laundering Services.
Claims use since Jan. 1, 1929.

CLASS 106

MATERIAL TREATMENT

Ser. No. 589,533. Julius Rutrick, New York, N. Y. Filed Dec. 17, 1949.

FUSEAL APLI-K



The term "Fuseal Apli-K" is disclaimed apart from the mark as shown in the drawing.

For Applying Decorative Designs to Textile Fabrics and Plastic Sheets by Screen Printings, Stitching, Trapunto, Hand Painting, and Heat Sealed Appliques.

Claims use since Nov. 1, 1949.

Ser. No. 623,488. Tri-Art Color Corporation, New York, N. Y. Filed Jan. 11, 1952.



The words "Art Color" are disclaimed apart from the mark as shown on the drawing.

For Developing and Printing of Color Film.
Claims use since Sept. 7, 1951.

Ser. No. 623,489. Tri-Art Color Corporation, New York, N. Y. Filed Jan. 11, 1952.



The words "Art Color" are disclaimed apart from the mark as shown on the drawing.

For Developing and Printing of Color Film.
Claims use since Sept. 7, 1951.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 597,646. Alpha Kappa Alpha Sorority, Chicago, Ill. Filed May 18, 1950.



For Entertainment Service in the Nature of Musical, Dramatic, and Variety Shows.
Claims use since on or about Dec. 1, 1946.

Ser. No. 607,814. Clarence Hartzell, Elgin, Ill. Filed Dec. 18, 1950.



For Entertainment Services, Through the Medium of Television Programs, Comprising a Combination Narrative and Dramatic Program.
Claims use since Oct. 31, 1949.

Ser. No. 608,276. Karamu House, Cleveland, Ohio. Filed Jan. 2, 1951.



For Entertainment Services, in the Nature of Dramatic, Dancing, Instrumental Music, and Vocal Music Presentations, Rendered Through the Medium of Personal Appearances, and Radio and Television Broadcast Programs; and Presenting Public Exhibitions of Drawings, Paintings, and Ceramics.

Claims use since in the early months of 1915.

TRADE-MARK REGISTRATIONS GRANTED ACT OF 1905

444,749. Group A: Ballistic Scientific and Ballistic Laboratory Apparatus; Bibliofilm Projectors; Etc. American Optical Company, Southbridge, Mass.
Filed June 26, 1947, Serial No. 524,850. Published Sept. 23, 1952. Class 26.

ACT OF 1946, PRINCIPAL REGISTER

- 569,636. Parachute Equipment—Namely, Parks, Harnesses, Canopies, Aircraft Parachute Chairs, and Parachute Pack Opening Devices, Such as Rip Cords, and Rip Cord Handles. Irving Air Chute Co., Inc., Buffalo, N. Y.
Original filed, act of 1905, May 26, 1947; amended to application under act of 1946, Principal Register, Jan. 14, 1949, Serial No. 523,031. Published Oct. 7, 1952. Class 19.
- 569,637. Men's, Women's, and Children's Hosiery. The Alden Mills, New Orleans, La.
Filed Aug. 14, 1947, Serial No. 531,281. Published Oct. 28, 1952. Class 39.
- 569,638. Fastener Forming and Inserting Machines Particularly Adapted for Use in Woodworking Operations and the Like. The Auto-Soler Company, doing business as The Auto-Nailer Company, Atlanta, Ga.
Filed Jan. 14, 1948, Serial No. 546,942. Published Sept. 2, 1952. Class 23.
- 569,639. Men's, Women's, and Children's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed Mar. 24, 1948, Serial No. 552,836. Published Oct. 14, 1952. Class 39.
- 569,640. Summer Clothing, Consisting of Men's, Young Men's, and Students' Light-Weight Suits and Slacks and Separate Coats. Adolph Arons & Sons, Inc., Jersey City, N. J.
Filed Nov. 12, 1948, Serial No. 568,566. Published May 23, 1950. Class 39.
- 569,641. Asbestos-Cement Pipe Couplings. Johns-Manville Corporation, New York, N. Y.
Filed Feb. 17, 1949, Serial No. 574,037. Published Oct. 28, 1952. Class 12.
- 569,642. Liquid Starch. Blue Magic, Inc., Ardmore, Pa.
Filed Mar. 18, 1949, Serial No. 575,622. Published Oct. 30, 1951. Class 6.
- 569,643. Automobile Polish Designed To Clean the Painted Surfaces of Automobiles and Other Painted Vehicles and Also To Protect and Preserve Such Painted Surfaces. Gold Bond Manufacturing Company, Millersport, Ohio, assignor to T. L. Chaffee, Millersport, Ohio.
Filed May 4, 1949, Serial No. 578,205. Published Nov. 4, 1952. Class 4.
- 569,644. Piece Goods of Rayon, Nylon, Wool, Cotton, and Combinations Thereof. Colonial Mills, Inc., New York, N. Y., now by change of name Robbins Mills, Inc., a corporation of New York.
Filed May 21, 1949, Serial No. 579,266. Published Nov. 4, 1952. Class 42.
- 569,645. Leaf Springs, Together With Component Parts Such as Clips, Bushings, Etc. Liggett Spring and Axle Co., Monongahela, Pa.
Filed June 25, 1949, Serial No. 581,072. Published Sept. 16, 1952. Class 19.
- 569,646. Floor Furnaces. Oran Company, Columbus, Ohio.
Filed July 13, 1949, Serial No. 581,887. Published Sept. 30, 1952. Class 34.
- 569,647. Asphalt for Making Shingles, Roofing, Pipe Line Coverings, and Paints, Etc. Richfield Oil Corporation, Los Angeles, Calif.
Filed July 13, 1949, Serial No. 581,895. Published Nov. 4, 1952. Class 12.
- 569,648. Well Tools—Namely, Hooks, Elevators, Tonges, Slip Actuators, Slips, Spiders, Rotary Drive Bushings, Tubing Catchers, Etc. Byron Jackson Co., Los Angeles, Calif.
Filed Aug. 1, 1949, Serial No. 582,788. Published Aug. 19, 1952. Class 23.
- 569,649. Fish Hook, Fishing Line and Fishing Tackle Flounder Spreader, Bottom Rigs, Surf Rigs, Eel Bait Hooks. George N. Ristine, trading under the name Sure-Snude Fish Hook Co., Philadelphia, Pa.
Filed Aug. 11, 1949, Serial No. 583,364. Published Nov. 4, 1952. Class 22.
- 569,650. Fish Hooks, Bottom Rigs, Surf Rigs, Eel Bait Hooks. George N. Ristine, trading under the name Sure-Snude Fish Hook Co., Philadelphia, Pa.
Original filed, act of 1946, Supplemental Register, Aug. 11, 1949; amended to application, Principal Register, Nov. 13, 1951, Serial No. 583,365. Published Nov. 4, 1952. Class 22.
- 569,651. Mining Coal Planers, Mining Chutes, Mining Conveyors, Etc. Mining Progress Inc., Woodbury, N. Y.
Filed Aug. 18, 1949, Serial No. 583,656. Published Oct. 21, 1952. Class 23.
- 569,652. Finished Metal Building Trim—Namely, Metal Mouldings. Pax Metal Corporation, Los Angeles, Calif.
Filed Sept. 9, 1949, Serial No. 584,636. Published Oct. 28, 1952. Class 12.
- 569,653. Metal Chalk Troughs, Head and Moulton Trim Channels, and Metal End Stops Used in Installing Chalkboards and Tack Boards. Loxit Systems, Inc., Chicago, Ill.
Filed Oct. 12, 1949, Serial No. 586,179. Published Oct. 28, 1952. Class 12.
- 569,654. Gas, Oil, and Coal Fired Furnaces Used for Heating Homes, Etc. Prole & Coogan Heating Company, Pittsburgh, Pa.
Filed Oct. 12, 1949, Serial No. 587,223. Published Sept. 16, 1952. Class 34.
- 569,655. Overalls and Work Clothes—Namely, Pants, Jumpers, and Shirts for Outer Wear and Shirts for Under Wear. The Crown Overall Manufacturing Company, doing business as Larned, Carter & Company, Cincinnati, Ohio.
Filed Nov. 19, 1949, Serial No. 588,083. Published Oct. 14, 1952. Class 39.
- 569,656. Oil Burners, Floor Furnaces, Basement Furnaces, Circulating Heaters, Air-Conditioning Furnaces, Etc. H. C. Little Burner Co., Inc., San Rafael, Calif.
Filed Jan. 31, 1950, Serial No. 592,113. Published Sept. 23, 1952. Class 34.

- 569,657. Magnetic Sound Recording Tape. Audio Devices, Inc., New York, N. Y.
Filed Feb. 18, 1950, Serial No. 592,689. Published Sept. 30, 1952. Class 21.
- 569,658. Magnetic Sound Recording Tape. Audio Devices, Inc., New York, N. Y.
Filed Feb. 18, 1950, Serial No. 592,690. Published Sept. 30, 1952. Class 21.
- 569,659. Cleaner Fluid for Rugs, Carpets, and Drapes Which Fireproofs as It Cleans. Feller-Jones Corporation, New York, N. Y.
Filed Feb. 25, 1950, Serial No. 593,061. Published Oct. 28, 1952. Class 32.
- 569,660. Men's, Women's, and Children's Clothing—Namely, Outer Shirts, Blouses, Slacks, Outer Shorts, Shirts, Jackets, Coats, Sweaters, Dresses, and Vests. Ivanna Wagner, Los Angeles, Calif.
Filed Feb. 27, 1950, Serial No. 593,148. Published Oct. 14, 1952. Class 39.
- 569,661. Men's, Women's, and Children's Clothing—Namely, Outer Shirts, Blouses, Slacks, Outer Shorts, Shirts, Jackets, Coats, Sweaters, Dresses, Vests, and Lounging and Sleeping Pajamas. Ivanna Wagner, Los Angeles, Calif.
Filed Feb. 27, 1950, Serial No. 593,149. Published Oct. 14, 1952. Class 39.
- 569,662. Preparation for Perfuming and Softening the Water of the Bath. Howe-Lewis, Inc., Los Angeles, Calif.
Filed Mar. 30, 1950, Serial No. 594,900. Published Nov. 4, 1952. Class 51.
- 569,663. Boilers, Furnaces, Air Conditioners, Heaters, Water Heaters, Dryers Based Upon Application of Heat Burners, Fuel Entrapment Devices, Ignition and Pilot Devices for Gas Heating Equipment, Blowers, Combustion Heaters and Coolers. Affiliated Gas Equipment, Inc., Cleveland, Ohio.
Filed Apr. 20, 1950, Serial No. 596,004. Published Oct. 28, 1952. Class 34.
- 569,664. Bowling Alleys and Parts Thereof—Namely, Sets of Indicating or Guiding Inserts, Etc. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed May 12, 1950, Serial No. 597,321. Published Nov. 4, 1952. Class 22.
- 569,665. Automotive and Industrial Lubricating Equipment, Etc. The Aro Equipment Corporation, Bryan, Ohio.
Filed May 20, 1950, Serial No. 597,809. Published Oct. 21, 1952. Class 23.
- 569,666. Louver Dampers, Right Angle Dampers, Round Dampers, Opposed Action Dampers, Automatic Dampers, Damper Quadrant Regulators, Damper Quadrants, Louvers, Etc. F. B. Gardner Co., Inc., Los Angeles, Calif.
Filed July 10, 1950, Serial No. 600,430. Published Oct. 28, 1952. Class 34.
- 569,667. Controller for Adjusting the Damper of a Gas Burning Furnace, Etc. General Controls Co., Glendale, Calif.
Filed July 10, 1950, Serial No. 600,431. Published Oct. 28, 1952. Class 34.
- 569,668. Household Deodorant Powder. The Bickmore Company, Old Town, Maine.
Filed July 26, 1950, Serial No. 601,252. Published Nov. 4, 1952. Class 6.
- 569,669. Key Case. Benjamin Stiller, Akron, Ohio.
Filed July 26, 1950, Serial No. 601,287. Published July 24, 1951. Class 3.
- 569,670. Kitchen Cutlery—Namely, Forks, Spoons, Spatulas, Saws, Cleavers, Carving Sets With Hone; Hunting, Fishing, Slicing, Paring, and Bread Knives. Quikut Inc., Fremont, Ohio.
Filed Aug. 2, 1950, Serial No. 601,640. Published Aug. 26, 1952. Class 23.
- 569,671. Partially Printed and/or Ornamented Menu Covers and Folders, Menu Insert Sheets and Cards, and Printed Paper Place Mats. Virgil H. Kruse, doing business as The Menucraft Company, Evanston, Ill.
Filed Aug. 4, 1950, Serial No. 601,738. Published Oct. 21, 1952. Class 37.
- 569,672. Partially Printed and/or Ornamented Menu Covers and Folders, Menu Insert Sheets and Cards, and Printed Paper Place Mats. Virgil H. Kruse, doing business as The Menucraft Company, Evanston, Ill.
Filed Aug. 4, 1950, Serial No. 601,740. Published Oct. 21, 1952. Class 37.
- 569,673. Combination Cheese Slicers and Storage Containers for Storing and Cutting Block Cheeses, and Spoon-Type Kitchen Scoops for General Culinary Use, Both Composed of Thermoplastic and/or Thermosetting Resins. Columbus Plastic Products, Inc., Columbus, Ohio.
Filed Aug. 23, 1950, Serial No. 602,599. Published Oct. 14, 1952. Class 23.
- 569,674. Rubber Tube Patches and Rubber Tube Repair Gums. Van Cleef Bros., Inc., Chicago, Ill.
Filed Sept. 28, 1950, Serial No. 604,171. Published Nov. 4, 1952. Class 35.
- 569,675. Plywood, Doors, Hardboard Faced Panels, Lumber, and Wood Fiber Containing Aconatol and Thermal Insulating Material in Sheet Form for Building Purposes. Simpson Logging Company, Seattle, Wash.
Filed Sept. 29, 1950, Serial No. 604,236. Published Nov. 4, 1952. Class 12.
- 569,676. Rail Vehicles—Namely, Railway Cars and Carriages, Road Vehicles—Namely, Motor Cars, Trucks, Lorries, and Busses, and Airplanes. Fiat Società per Azioni, Turin, Italy.
Filed Oct. 10, 1950, Serial No. 604,691. Published Sept. 23, 1952. Class 19.
- 569,677. Sectional Tubular Thermal Insulating Members for Conduits, e. g., Removable Tubular Members Which May Be Installed About Pipes Carrying a Fluid Having a Temperature Above or Below the Ambient Temperature Surrounding the Pipe. Met-L-Glas Corporation, Seattle, Wash.
Filed Dec. 2, 1950, Serial No. 607,228. Published Oct. 28, 1952. Class 12.
- 569,678. Glass Lamp Chimneys; Glass Candlesticks; Glass Shapes, Bowls, Etc. Dunbar Glass Corporation, Dunbar, W. Va.
Filed Dec. 6, 1950, Serial No. 607,323. Published Sept. 23, 1952. Class 34.
- 569,679. Adaptable Lathe and Universal Chucks. Buck Tool Company, Kalamazoo, Mich.
Filed Dec. 13, 1950, Serial No. 607,617. Published Oct. 7, 1952. Class 23.
- 569,680. Liquid Sodium Hypochlorite. Cyrus Friedman, doing business as Low Count Manufacturing Company, Portland, Ore.
Filed Dec. 22, 1950, Serial No. 607,987. Published Nov. 4, 1952. Class 6.
- 569,681. Soaps, Compounds for Washing Baking Pans, Cans, and the Like, Powdered Detergent for Washing Dishes and General Cleaning Purposes, and Detergents for Cleaning Metals, Tiles, Porcelain, and Similar Surfaces. Peck's Products Company, St. Louis, Mo.
Filed Jan. 24, 1951, Serial No. 609,195. Published Oct. 28, 1952. Class 52.
- 569,682. Humidifiers for Air Conditioning. Parks-Cramer Company, Fitchburg, Mass.
Filed Jan. 25, 1951, Serial No. 609,255. Published Sept. 23, 1952. Class 34.
- 569,683. Children's Jackets, Children's Overalls, and Children's Boxer Shorts. Margaret Winter Johnston, Fort Worth, Tex.
Filed Feb. 1, 1951, Serial No. 609,482. Published Oct. 7, 1952. Class 39.

- 569,684. Electronic Hearing Aids and Parts Thereof—Namely, External Microphones and Covers and Connecting Cords for External Microphones. Beltone Hearing Aid Company, Chicago, Ill.
Filed Feb. 3, 1951, Serial No. 609,385. Published Oct. 14, 1952. Class 44.
- 569,685. Submerged Combustion Burners. Ozark-Mahoning Company, Tulsa, Okla.
Filed Feb. 20, 1951, Serial No. 610,334. Published Oct. 28, 1952. Class 34.
- 569,686. Individually Controlled Air Conditioning Units for Filtering and Heating Air in Winter, Etc. McQuay, Inc., Minneapolis, Minn.
Filed Feb. 23, 1951, Serial No. 610,447. Published Sept. 30, 1952. Class 34.
- 569,687. Heat Exchanging Equipment Including One or More Heat Exchange Screw Conveyors Comprised of a Hollow Screw Through Which the Heat Transfer Agent Passes. Joseph D. Christian, San Francisco, Calif.
Filed Mar. 16, 1951, Serial No. 611,401. Published Sept. 10, 1952. Class 34.
- 569,688. Electric Heating Pads for Therapeutic Use. Casco Products Corporation, Bridgeport, Conn.
Filed Mar. 17, 1951, Serial No. 611,472. Published Oct. 14, 1952. Class 44.
- 569,689. Gas Water Heater. Thomas F. Downs, Springfield, Mass.
Filed Mar. 20, 1951, Serial No. 611,566. Published Sept. 10, 1952. Class 34.
- 569,690. Non-Mechanical Dish Washing Device Comprised of Hose, Brush Mount, and Brush, To Be Attached to Kitchen Faucet and Operated by Water Pressure. Edward H. Barker, doing business under the name Kitchen Queen Dishwasher Company, Los Angeles, Calif., assignor to Dish-O-Matic Inc., a corporation of New York.
Filed Mar. 22, 1951, Serial No. 611,632. Published Oct. 28, 1952. Class 29.
- 569,691. Children's Coats, Snow Suits, Suits, Dresses, Pajamas, and Playsuits. Rosenblatt and Kahn, Inc., New York, N. Y.
Filed Apr. 9, 1951, Serial No. 612,417. Published Oct. 7, 1952. Class 39.
- 569,692. Chemical Cleaning Fluid and a Powdered Cleaning Preparation, Both of Which Are Used in the Dry Cleaning of Fabrics. Losterized Service Co., Spokane, Wash.
Filed Apr. 10, 1951, Serial No. 612,696. Published Oct. 28, 1952. Class 52.
- 569,693. Essential Oils; Concentrated Citrus Oils; Terpeneless Oils; Etc. Dodge & Olcott, Inc., New York, N. Y.
Filed Apr. 24, 1951, Serial No. 613,054. Published Nov. 4, 1952. Class 6.
- 569,694. Pumps—Namely, Centrifugal Pumps, Submersible Electrically-Driven Pumps, Sump Pumps, Suds Pumps, Fire-Fighting Pumps, and Fire-Fighting Pump Trailers. James Beresford & Son Limited, Marston Green, Birmingham, England.
Filed May 9, 1951, Serial No. 613,889. Published Sept. 10, 1952. Class 23.
- 569,695. Delivery Trucks, Oil Trucks, Buses, and Trailers. Trans-Arabian Pipe Line Company, New York, N. Y.
Filed May 24, 1951, Serial No. 614,320. Published Sept. 16, 1952. Class 19.
- 569,696. Water Systems Sold as a Unit and Comprising a Tank, a Pump, a Motor, and a Fluid Pressure Responsive Motor Controlling Switch, and Parts Thereof. The Denning Company, Salem, Ohio.
Filed May 25, 1951, Serial No. 614,338. Published Oct. 21, 1952. Class 23.
- 569,697. Storage Batteries and Their Parts. The Electric Storage Battery Company, Philadelphia, Pa.
Filed June 2, 1951, Serial No. 614,656. Published Oct. 21, 1952. Class 21.
- 569,698. Veterinary Medicine for Addition to Poultry Drinking Water for Treatment of Certain Poultry Diseases. Quaker State Chemical Corporation, Chalfont, Pa.
Filed June 6, 1951, Serial No. 614,840. Published Nov. 4, 1952. Class 18.
- 569,699. Ducts, Pipes, and Fittings for Air-Conditioning Systems and for Forced-Flow Air Heating Systems and Flue Pipes for Combustion Products. Clayton & Lambert Manufacturing Company, Louisville, Ky.
Filed July 2, 1951, Serial No. 615,970. Published Nov. 4, 1952. Class 34.
- 569,700. Articulators. Dr. Albert Gerber, Berne, Canton of Berne, Switzerland.
Filed July 3, 1951, Serial No. 616,029. Published Oct. 14, 1952. Class 44.
- 569,701. Waving Lotion Used in the Cold Wave Process of Waving Hair. Sales Affiliates, Inc., New York, N. Y.
Filed July 3, 1951, Serial No. 616,051. Published Oct. 28, 1952. Class 51.
- 569,702. Equipment Particularly Adapted for Use in Oil and Gas Fields, Etc. National Tank Company, Tulsa, Okla.
Filed July 5, 1951, Serial No. 616,115. Published Nov. 4, 1952. Class 34.
- 569,703. Artificial Bait. Fred Arbogast and Company, Inc., Akron, Ohio.
Filed July 12, 1951, Serial No. 616,355. Published Nov. 4, 1952. Class 22.
- 569,704. Drug of Oxytropic Factors Containing Nicotinamide, Ascorbic Acid, and Thiamin Chloride. The Mutual Pharmacal Corp., Stamford, Conn.
Filed Aug. 8, 1951, Serial No. 617,435. Published Nov. 4, 1952. Class 18.
- 569,705. Water-Miscible Cream Containing Pantothenyl Alcohol for Topical Use in the Treatment of Dermatoses and Ulcerative Skin Lesions. U. S. Vitamin Corporation, New York, N. Y.
Filed Aug. 11, 1951, Serial No. 617,593. Published Nov. 4, 1952. Class 18.
- 569,706. Electrical Appliances—Namely, Electric Stoves and Electric Room Heaters. Knapp-Monarch Company, St. Louis, Mo.
Filed Aug. 18, 1951, Serial No. 617,843. Published Sept. 23, 1952. Class 21.
- 569,707. Automotive Engine Parts—Namely, Dimmer Switches, Solenoid Switches, Etc. S & S International Corporation, New York, N. Y.
Filed Aug. 27, 1951, Serial No. 618,128. Published Sept. 10, 1952. Class 21.
- 569,708. Woolen and Worsted Piece Goods. Metcalf Brothers & Co., New York, N. Y., assignor to Metcalf Brothers & Co., Inc., New York, N. Y., a corporation of New York.
Filed Sept. 4, 1951, Serial No. 618,381. Published Nov. 4, 1952. Class 42.
- 569,709. Radio Receiving Sets, Television Receiving Sets, Automatic Electric Phonographs, and Combinations of Any of Them. Garod Radio Corporation, New York, N. Y.
Filed Sept. 10, 1951, Serial No. 618,572. Published Sept. 23, 1952. Class 21.
- 569,710. Stockings, Socks, Hose, Dress, Negligee, and Work Shirts, Etc. Wolsey Ltd., Leicester, England.
Filed Sept. 11, 1951, Serial No. 618,607. Published Nov. 4, 1952. Class 39.
- 569,711. Welding Tips and Inserts. Smith Bros. & Hughes, San Diego, Calif.
Filed Sept. 12, 1951, Serial No. 618,716. Published Oct. 28, 1952. Class 34.

- 569,712. Fluid Filled, Plastic, Form Fitting and Light Weight Container With Fluid Sealed Therein and Used as a Hot and Cold Pack for Comfort and Therapeutic Purposes. Hugo Gloeckler, New York, N. Y.
Filed Sept. 18, 1951, Serial No. 618,927. Published Oct. 14, 1952. Class 44.
- 569,713. Accordions; Wood Wind Instruments—Namely, Clarinets, Etc. Worldwide Musical Instrument Co., Inc., New York, N. Y.
Filed Sept. 19, 1951, Serial No. 618,999. Published Nov. 4, 1952. Class 36.
- 569,714. Men's and Women's Jackets and Trousers. Marcus Breier Sons, Inc., Amsterdam, N. Y.
Filed Sept. 25, 1951, Serial No. 619,185. Published Oct. 7, 1952. Class 39.
- 569,715. Fresh Grapes, Cherries, Peaches, Plums, and Nectarines. Anthony A. Blanco, Inc., New York, N. Y., and Fresno, Calif.
Filed Sept. 27, 1951, Serial No. 619,291. Published Nov. 4, 1952. Class 46.
- 569,716. Electrically Heated Egg Washers. Whirlaway Egg Washer Company, Harrisburg, Pa.
Filed Nov. 1, 1951, Serial No. 620,795. Published Sept. 23, 1952. Class 21.
- 569,717. Bicycles, Motorcycles. Maurice Guyot, St. Maurice-Fosses (Seine), France.
Filed Nov. 20, 1951, Serial No. 621,459. Published July 15, 1952. Class 19.
- 569,718. Chemical Compound for Conditioning Boiler Water—Namely, for the Prevention of Foaming and Carryover During Steam Generation. The Bled-Archer Company, New York, N. Y.
Filed Nov. 28, 1951, Serial No. 621,750. Published Oct. 28, 1952. Class 6.
- 569,719. Compounded Animal or Vegetable and/or Petroleum Based Product for Processing Fibers or Fabrics. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Dec. 5, 1951, Serial No. 622,123. Published Sept. 23, 1952. Class 6.
- 569,720. Thermal Insulating Material of Mineral Wool. American Rock Wool Corp., Wabash, Ind.
Filed Dec. 19, 1951, Serial No. 622,684. Published Oct. 28, 1952. Class 12.
- 569,721. Chemical Preparation for Cleaning Valves, Pistons, and Cylinders. Doris Brown, doing business as The Val-Ring Chemical Company, Burbank, Calif.
Filed Jan. 9, 1952, Serial No. 622,692. Published Oct. 28, 1952. Class 52.
- 569,722. Hosiery for Women, Girls, Men, Boys, and Infants. Joseph C. Smith, Inc., New York, N. Y.
Filed Dec. 21, 1951, Serial No. 622,760. Published Nov. 4, 1952. Class 39.
- 569,723. Foot Lotion Which Imparts Cooling, Refreshing, and Deodorizing Properties. Bounce, Inc., Dayton, Ohio.
Filed Dec. 26, 1951, Serial No. 622,797. Published Oct. 14, 1952. Class 51.
- 569,724. Toy Automobiles, Tractors, Wagons, and Trucks. Product Miniature Co., Inc., Milwaukee, Wis.
Filed Jan. 2, 1952, Serial No. 623,077. Published Nov. 4, 1952. Class 22.
- 569,725. Insulated Ovens Designed To Bake, Cure, Dry, or Heat Treat Industrial Commodities. Michigan Oven Company, Detroit, Mich.
Filed Jan. 8, 1952, Serial No. 623,312. Published Oct. 28, 1952. Class 34.
- 569,726. Gaskets. Hamilton Kent Manufacturing Company, Kent, Ohio.
Filed Jan. 16, 1952, Serial No. 623,658. Published Nov. 4, 1952. Class 35.
- 569,727. Cream Toilet Preparation Used in Connection With Shaving the Legs. Norton S. Walbridge, doing business as Leggles Co., Detroit, Mich.
Filed Jan. 21, 1952, Serial No. 623,860. Published Oct. 28, 1952. Class 51.
- 569,728. Cream Toilet Preparation Used in Connection With Shaving the Legs. Norton S. Walbridge, doing business as Leggles Co., Detroit, Mich.
Filed Jan. 21, 1952, Serial No. 623,861. Published Oct. 28, 1952. Class 51.
- 569,729. Thermo-Setting Elastomer. Pacific Moulded Products Co., Los Angeles, Calif.
Filed Jan. 23, 1952, Serial No. 623,982. Published Nov. 4, 1952. Class 6.
- 569,730. Sewing Machine Needles. Schmetz Needle Corporation, New York, N. Y.
Filed Jan. 24, 1952, Serial No. 624,052. Published Oct. 28, 1952. Class 23.
- 569,731. Hot Air Furnaces, Oil Burners, and Blowers Therefor. Round Oak Company, Inc. of Indiana, Dowagiac, Mich.
Filed Jan. 26, 1952, Serial No. 624,158. Published Sept. 30, 1952. Class 34.
- 569,732. Gas Burning Space Heaters. The Folsom Co., Dallas, Tex.
Filed Feb. 2, 1952, Serial No. 624,452. Published Sept. 30, 1952. Class 34.
- 569,733. Textile Fabrics Made of Cotton, Wool, Silk, and Synthetic Fibers and Combinations Thereof. Tessuti Artistici Fortuny S. A., Venice, Italy.
Filed Feb. 4, 1952, Serial No. 624,506. Published Nov. 4, 1952. Class 42.
- 569,734. Insecticides, Insect Repellents, and Disinfectants. Solvay & Cie., Brussels, Belgium.
Filed Feb. 15, 1952, Serial No. 625,044. Published Oct. 28, 1952. Class 6.
- 569,735. Spray Fluid Deodorant for Industrial Use. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 16, 1952, Serial No. 625,159. Published Oct. 28, 1952. Class 6.
- 569,736. Fabrics in the Piece of Synthetic Fibers. National Mallinson Fabrics Corporation, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.
Filed Feb. 23, 1952, Serial No. 625,433. Published July 1, 1952. Class 42.
- 569,737. Kitchen and Window Exhaust Fans, Gravity-Operated and Motor Driven Shutters, Etc. Airmaster Corporation, Chicago, Ill.
Filed Feb. 25, 1952, Serial No. 625,446. Published Sept. 2, 1952. Class 34.
- 569,738. Plasticizers. El Dorado Oil Works, San Francisco, Calif.
Filed Feb. 26, 1952, Serial No. 625,526. Published Oct. 28, 1952. Class 6.
- 569,739. Chemical Preparation Designed for Controlling and Destroying Weeds and Controlling Pests. O. M. Scott & Sons Company, Marysville, Ohio.
Filed Feb. 27, 1952, Serial No. 625,634. Published Oct. 28, 1952. Class 6.
- 569,740. Prepared Graphite in Powdered Form for Admixture With Water To Provide a Spray or Wash for Ingot Molds and Stools, To Facilitate Molding Operations. The Wickes Corporation, Saginaw, Mich.
Filed Mar. 3, 1952, Serial No. 625,874. Published Oct. 21, 1952. Class 1.
- 569,741. Liquid Hydrocarbon Fuel Packaged in Disposable Containers for Use With Small Portable Gas Burners. American Tempo Corporation, Chicago, Ill.
Filed Mar. 13, 1952, Serial No. 626,362. Published Oct. 28, 1952. Class 6.
- 569,742. Combined Pilot and Main Burner Gas Valves, and Pilot Burners. Robertshaw-Fulton Controls Company, Greensburg, Pa.
Filed Mar. 13, 1952, Serial No. 626,416. Published Sept. 16, 1952. Class 34.

- 569,743. Handy Bandages, Absorbent Cotton, and Cuticle Sticks. S. H. Kress and Company, New York, N. Y. Filed Mar. 28, 1952, Serial No. 627,194. Published Nov. 4, 1952. Class 44.
- 569,744. Men's Sport Jackets, Suits, and Coats. Mavest Inc., New York, N. Y. Filed Mar. 28, 1952, Serial No. 627,207. Published Oct. 7, 1952. Class 39.
- 569,745. Hose Composed Wholly or Principally of Rubber. The Goodyear Tire & Rubber Company, Akron, Ohio. Filed Apr. 9, 1952, Serial No. 627,813. Published Nov. 4, 1952. Class 35.
- 569,746. Preparation for Use in Hair Waving. The Realistic Company, Cincinnati, Ohio. Filed Apr. 15, 1952, Serial No. 628,124. Published Nov. 4, 1952. Class 31.
- 569,747. Melting Furnaces. Reda Pump Company, Bartlesville, Okla. Filed Apr. 15, 1952, Serial No. 628,126. Published Oct. 14, 1952. Class 34.
- 569,748. Evaporators. Rodney Hunt Machine Co., Orange, Mass. Filed Apr. 15, 1952, Serial No. 628,127. Published Oct. 28, 1952. Class 34.
- 569,749. Men's Suits and Topcoats. Kurtzman Brothers, Los Angeles, Calif. Filed Apr. 18, 1952, Serial No. 628,282. Published Oct. 7, 1952. Class 39.
- 569,750. Mop Heads of Absorbent Material Adapted for Attachment To Mop Handles for Use in Washing Floors and Wet Mopping. Modglin Company, Inc., Los Angeles, Calif. Filed Apr. 18, 1952, Serial No. 628,287. Published Oct. 28, 1952. Class 29.
- 569,751. Pharmaceutical Compound Useful in the Prevention of Infection in Minor Cuts and Wounds, Simple Burns, and Abrasions. Walker Laboratories, Inc., Mount Vernon, N. Y. Filed Apr. 24, 1952, Serial No. 628,661. Published Nov. 4, 1952. Class 18.
- 569,752. Water-Treating Composition Adapted for Use as a Water Softener, Wetting Agent, Sequestering Agent and in Detergents. American Dyewood Company, New York, N. Y. Filed Apr. 29, 1952, Serial No. 628,837. Published Nov. 4, 1952. Class 6.
- 569,753. Blended Wool and Cotton Piece Goods. Pendleton Woolen Mills, Portland, Oreg. Filed Apr. 29, 1952, Serial No. 628,868. Published Nov. 4, 1952. Class 42.
- 569,754. Men's Clothing—Namely, Coats, Topcoats, and Suits. Eagle Clothes, Inc., New York, N. Y. Filed Apr. 30, 1952, Serial No. 628,929. Published Oct. 7, 1952. Class 39.
- 569,755. Men's Clothing—Namely, Coats, Topcoats, and Suits. Eagle Clothes, Inc., New York, N. Y. Filed Apr. 30, 1952, Serial No. 628,930. Published Oct. 7, 1952. Class 39.
- 569,756. Paint Brushes. The Wooster Brush Company, Wooster, Ohio. Filed June 5, 1952, Serial No. 630,817. Published Nov. 4, 1952. Class 29.
- 569,757. Sheeting, Sheets, and Pillow Cases. J. P. Stevens & Co., Inc., New York, N. Y. Filed June 17, 1952, Serial No. 631,324. Published Nov. 4, 1952. Class 42.
- 569,758. Sedative, Hypnotic, Muscle Relaxing Anesthetic Compound for Veterinary Use. Abbott Laboratories, North Chicago, Ill. Filed July 2, 1952, Serial No. 632,059. Published Oct. 21, 1952. Class 18.

- 569,759. Insecticidal Spray for Use in Grain Elevators and Storage Units, Warehouses, Flour, Feed, and Rice Mills and Other Grain Processing Plants. The Weevil-Cide Company, Kansas City, Mo. Filed July 5, 1952, Serial No. 632,185. Published Nov. 4, 1952. Class 6.

Service Marks

- 569,760. Rental of Automobiles and Trucks. Hertz Driv-urself System, Inc., Pontiac, Mich. Filed Oct. 10, 1947, Serial No. 537,455. Published Nov. 4, 1952. Class 105.
- 569,761. Transportation by Motor Truck of Miscellaneous Freight. Pacific Intermountain Express Co., Salt Lake City, Utah, and San Francisco, Calif. Filed Nov. 29, 1947, Serial No. 542,781. Published Nov. 4, 1952. Class 105.
- 569,762. Dry Cleaning of Wearing Apparel Comprising Cleaning, Stretching, and Pressing. G & K Corporation, doing business as Gross Brothers and Kronicks, Minneapolis, Minn. Filed Apr. 14, 1948, Serial No. 554,559. Published Nov. 4, 1952. Class 103.
- 569,763. Collating and Grouping Advertising Copy and Placing the Same in Newspapers, Magazines, Circulars, and Mailing Pieces. Peter J. Podkowna, East Orange, N. J. Filed Nov. 22, 1949, Serial No. 588,185. Published Nov. 4, 1952. Class 101.
- 569,764. Surveys of the Merchandise Methods of Retail Establishments, and Making Recommendations Relative to Their Improvement, and Analysis and Investigation of the Conduct of Sales Personnel, To Determine Irregularities and Any Inefficiencies Therein. Willmark Service System, Inc., New York, N. Y. Filed Nov. 25, 1950, Serial No. 606,960. Published Nov. 4, 1952. Class 101.
- 569,765. Applying Imitation Stone Facings to Walls, Buildings, and the Like. Antun Horvath, Fort Myers, Fla. Filed Feb. 5, 1951, Serial No. 609,650. Published Nov. 4, 1952. Class 103.
- 569,766. Merchandising Service Rendered to Merchants and Their Customers Involving the Use of Trading Stamps for Inducing the Purchasing Public To Pay Cash. Clyde Weatherby, doing business as Clyde Weatherby Company, Hamilton, Tex. Filed Apr. 23, 1951, Serial No. 613,033. Published Nov. 4, 1952. Class 101.
- 569,767. Rental of Dust Cloths and Dust Mops. Dustet Service Corporation, Muncie, Ind. Filed Aug. 13, 1951, Serial No. 617,604. Published Nov. 4, 1952. Class 100.
- 569,768. Radio Program Broadcasting Services. Puget Sound Broadcasting Company, Inc., Seattle, Wash. Filed Sept. 5, 1951, Serial No. 618,401. Published Nov. 4, 1952. Class 104.
- 569,769. Truck Renting Service. Rentways Inc., New York, N. Y. Filed Jan. 11, 1952, Serial No. 623,477. Published Nov. 4, 1952. Class 105.
- 569,770. Diaper Rental Service for Children. Dy-Dee Wash of Washington, Inc., Washington, D. C. Filed Mar. 13, 1952, Serial No. 626,370. Published Nov. 4, 1952. Class 100.
- 569,771. Inspection, Maintenance, and Repair Service for Fire Extinguishing Equipment and Apparatus. The Fyr-Fyter Company, Dayton, Ohio. Filed Apr. 2, 1952, Serial No. 627,442. Published Nov. 4, 1952. Class 103.
- 569,772. Auto Driver Training. Easy Method Auto Driver Training School Inc., Washington, D. C. Filed Apr. 23, 1952, Serial No. 628,680. Published Nov. 4, 1952. Class 107.

Collective Marks

- 569,773. Water Systems, Comprising Pumps, Windmills, Pump Jacks, Pressure Tanks, Cylinders, Strainers, and Parts Thereof Sold as a Unit. National Association Domestic and Farm Pump Manufacturers, Chicago, Ill. Filed Oct. 12, 1948, Serial No. 567,120. Published Oct. 21, 1952. Class 23.

- 569,774. Plywood. Douglas Fir Plywood Association, Tacoma, Wash. Filed May 3, 1950, Serial No. 596,783. Published Nov. 4, 1952. Class 12.
- 569,775. Plastic-Faced Plywood. Douglas Fir Plywood Association, Tacoma, Wash. Filed Nov. 2, 1950, Serial No. 605,783. Published Nov. 4, 1952. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

- 569,776. (Class 37. Paper and Stationery.) Rhineland Paper Company, Rhineland, Wis. Original filed, act of 1946, Principal Register, Sept. 5, 1947; amended to application, Supplemental Register, Apr. 25, 1952, Serial No. 533,618.

- 569,780. (Class 26. Measuring and Scientific Appliances.) United World Films, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 24, 1949; amended to application, Supplemental Register, Apr. 18, 1952, Serial No. 574,475.

LARD-PAK

Applicant claims ownership of Registration No. 396,376. For Greaseproof Paper. Claims use since Nov. 19, 1931.

- 569,777. (Class 51. Cosmetics and Toilet Preparations.) Givemme, S. A., Milan, Italy. Original filed, act of 1946, Principal Register, Sept. 29, 1948; amended to application, Supplemental Register, May 5, 1951, Serial No. 586,077.

TABACCO
D'HARAR

For Perfumes and Toilet Water. Claims use since February 1940, in Italy, and first used in commerce among the several States, in 1947.

- 569,778. (Class 46. Foods and Ingredients of Foods.) Central Soya Company, Inc., Fort Wayne, Ind. Filed Dec. 7, 1948, Serial No. 570,094.

DEFINITE FEEDS FOR DEFINITE NEEDS

For Commercial Livestock and Poultry Feeds and Feed Concentrates Consisting of Soy Bean Material, Fortified With Fish Meal, Condensed Fish Solubles and Riboflavin Supplement. Claims use since May 15, 1939.

- 569,779. (Class 19. Vehicles.) Leo Harris, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 14, 1949; amended to application, Supplemental Register, Mar. 19, 1951, Serial No. 572,176.

REMANUFACTURIZED

For Used Automobiles, Used Motor Trucks, Used Motor Buses, and Used Motorcycles. Claims use since Nov. 10, 1944.

THE EARTH
AND
ITS PEOPLES

For Silent Motion Picture Films and Sound-Reproducing Motion Picture Films Relating to World Geography. Claims use since July 29, 1948.

- 569,781. (Class 26. Measuring and Scientific Appliances.) Paragon Electric Company, Two Rivers, Wis. Original filed, act of 1946, Principal Register, Mar. 10, 1949; amended to application, Supplemental Register, Apr. 21, 1952, Serial No. 575,222.

de-frost-it

For Synchronous Electric Motor Operated Time Control Switch Which Causes an Electric Refrigerator To Defrost by Controlling the Current Thereto. Claims use since Sept. 1, 1948.

- 569,782. (Class 16. Protective and Decorative Coatings.) Dewatex Manufacturing Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 2, 1949; amended to application, Supplemental Register, Jan. 31, 1952, Serial No. 576,526.

SHINGLE-SEAL

For Waterproof Asbestos Siding and Shingle Finish Paints. Claims use since Aug. 20, 1948.

- 569,783. (Class 33. Glassware.) Liberty Glass Company, Sapulpa, Okla. Original filed, act of 1946, Principal Register, May 19, 1949; amended to application, Supplemental Register, Nov. 14, 1952, Serial No. 579,106.

FLAME-POLISH

For Glass Milk and Beverage Bottles. Claims use since Mar. 8, 1940.

569,784. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Heller Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Dec. 9, 1949; amended to application, Supplemental Register, Nov. 12, 1952, Serial No. 589,092.

Lock-Nail

For Fastening Elements—Namely, Staples, Connected in Strip Form for Use in a Stapling Machine.
Claims use since Jan. 20, 1949.

569,785. (Class 37. Paper and Stationery.) Old Colony Envelope Company, Westfield, Mass. Original filed, act of 1946, Principal Register, Dec. 24, 1949; amended to application, Supplemental Register, Jan. 24, 1952, Serial No. 589,915.

WESTFIELD WOVE

For Writing Paper and Correspondence and Mailing Envelopes.
Claims use since Dec. 7, 1949.

569,786. (Class 46. Foods and Ingredients of Foods.) Arturo Perelra Rodriguez, Puebla del Caraminal (Coruna), Spain. Original filed, act of 1946, Principal Register, Feb. 18, 1950; amended to application, Supplemental Register, May 21, 1951, Serial No. 592,723.



Applicant claims ownership of Spanish Registration No. 51,949, dated June 21, 1924.

For Canned Fish; Fresh and Canned Shellfish; Canned and/or Bottled Anchovies; Fresh Mollusk (Berberecho); Canned and/or Bottled Mollusk Packed in Olive Oil; Mejillones (a Variety of Mussel) Bottled in a Sauce; Canned and Bottled Sardines Packed in Olive Oil or in Tomato Sauce; Fresh Fish; Canned and Bottled Fish Packed in Olive Oil or in Tomato Sauce.

569,787. (Class 39. Clothing.) Model Shoe Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, May 24, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 598,027.

MODEL'S KIDDIE WALKER

For Children's Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since June 1948.

569,788. (Class 39. Clothing.) Hubbard Shoe Company, Incorporated, Rochester, N. H. Original filed, act of 1946, Principal Register, June 15, 1950; amended to application, Supplemental Register, June 29, 1951, Serial No. 599,174.

Softflex

Applicant claims ownership of Registration No. 349,627. For Shoes of Leather, Fabric, or Combinations Thereof for Men, Women, and Children.
Claims use since May 3, 1950.

569,789. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) National Silver Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 21, 1950; amended to application, Supplemental Register, Oct. 28, 1952, Serial No. 599,521.

EMERALD-GLO

For Serving Trays, Cake Trays, Relish Dishes, Hors d'Oeuvres Servers, Syrup Jars With Tray, Mint Dishes, Fruit Bowls, Service Plates, Bon Bon Dishes With Spoons, Candy Dishes With Tonga, Candy Boxes, Water Pitchers, Celery Dishes, Serving Dishes, Nut Dishes, Mayonnaise Sets (Each Comprising Mayonnaise Dish With Base Metal Spoon and Tray), Sugar and Creamer Sets (Each Comprising Sugar Bowl, Cream Pitcher, and Tray), Cocktail Sets (Each Comprising Cocktail Shaker, Glasses, and Tray), Jam Sets (Each Comprising Jam Jars, Base Metal Spoons, and Tray), Relish Sets (Each Comprising Relish Dish, Spoon, and Tray), Breakfast Sets (Each Comprising Sugar Bowl, Cream Pitcher, Salt Shaker, Pepper Shaker, and Tray), Liqueur Sets (Each Comprising Whiskey Glasses and Tray), Oil and Vinegar Sets (Each Comprising 2 Bottles on Base Metal Stand), and Salad Sets (Each Comprising a Salad Bowl, Fork, and Spoon) Made Primarily of Base Metal With Glass and Plastic Fittings.
Claims use since Apr. 28, 1950.

569,790. (Class 30. Crockery, Earthenware, and Porcelain.) The Potters Supply Company, East Liverpool, Ohio. Original filed, act of 1946, Principal Register, Aug. 18, 1950; amended to application, Supplemental Register, July 17, 1952, Serial No. 602,419.

PIN-RITE

For Potter Kiln Room Supplies—Namely, Potter's Pins, Potter's Stilts, Potter's Spars, and Potter's Thimbles, All Made of Ceramic Material.
Claims use since July 25, 1950.

569,791. (Class 19. Vehicles.) National Autocraft Manufacturing Co., Orlando, Fla. Original filed, act of 1946, Principal Register, Aug. 24, 1950; amended to application, Supplemental Register, Apr. 17, 1952, Serial No. 602,707.

FITZALL

For Ornamental Fender Welt Trim for Automotive Vehicles.
Claims use since June 13, 1950.

569,792. (Class 26. Measuring and Scientific Appliances.) Fenwal Incorporated, Ashland, Mass. Original filed, act of 1946, Principal Register, Aug. 30, 1950; amended to application, Supplemental Register, Apr. 3, 1952, Serial No. 602,938.

JOURN-A-LARM

For Thermal Responsive Apparatus Comprising a Thermostatic Switch for Detecting and Signalling a Condition of Overheating of Bearings in Railway Equipment.
Claims use since June 1948.

569,793. (Class 38. Prints and Publications.) Southwest Hardware Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Oct. 5, 1950; amended to application, Supplemental Register, Oct. 11, 1952, Serial No. 604,498.

House Keeping Digest

For Bulletins Containing Advertising Matter and Articles of General Interest, Issued Periodically.
Claims use since 1939.

569,794. (Class 16. Protective and Decorative Coatings.) The Gerson-Stewart Corporation Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Oct. 6, 1950; amended to application, Supplemental Register, July 14, 1952, Serial No. 604,527.

DEEPSEAL

For Penetrating Wood Floor Surface Sealer.
Claims use since July 1935.

569,795. (Class 46. Foods and Ingredients of Foods.) American Dietetics Company, Inc., Yonkers, N. Y. Original filed, act of 1946, Principal Register, Sept. 29, 1951; amended to application, Supplemental Register, June 25, 1952, Serial No. 619,375.

SAFETY

For Chewing Gum Containing Chlorophyll.
Claims use since Dec. 29, 1950.

569,796. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Armor Farm Implement Co., Vancouver, Wash., and Wichita, Kans. Filed Oct. 2, 1951, Serial No. 619,494.



For Cultivators, Scrapers, Ditch Diggers, and Adjustable Blades Suitable for Attachment to Farm Tractors.
Claims use since on or about July 1, 1949.

569,797. (Class 37. Paper and Stationery.) Eberhard Faber Pencil Company, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Oct. 19, 1951; amended to application, Supplemental Register, Nov. 6, 1952, Serial No. 620,202.

SLIMLINE

For Fountain Pens, Ball Point Pens, Mechanical Pencils, Woodcased Pencils, Leads, and Erasers.
Claims use since Oct. 9, 1951.

569,798. (Class 36. Musical Instruments and Supplies.) Amerling Piano Co., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Oct. 22, 1951; amended to application, Supplemental Register, July 21, 1952, Serial No. 620,290.

Amerling

For Pianos, Organs, Trumpets, Saxophones, Clarinets, Trombones, Flutes, French Horns, Tubas, Drums, Snare Drums, Cymbals, Violins, Cellos, Violas, Base Fiddles, Guitars, Mandolins, and Ukeleles.
Claims use since Jan. 2, 1948.

569,799. (Class 8. Smokers' Articles, Not Including Tobacco Products.) Meyer Robbin, doing business as Robbin Products, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Oct. 29, 1951; amended to application, Supplemental Register, Oct. 17, 1952, Serial No. 620,624.

RUFF & TUFF

For Friction Cigarette Lighters.
Claims use since Sept. 18, 1951.

569,800. (Class 39. Clothing.) Circé Foundations, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 10, 1951; amended to application, Supplemental Register, Sept. 25, 1952, Serial No. 621,101.

Glitters

For Brassières, Oldies, Panties, Slips.
Claims use since August 1951.

569,801. (Class 5. Adhesives.) Mid-States Gummed Paper Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 13, 1951; amended to application, Supplemental Register, June 17, 1952, Serial No. 621,159.

TUF-TAPE

For Gummed Paper Tape and Gummed Cloth Tape.
Claims use since June 11, 1951.

569,802. (Class 8. Smokers' Articles, Not Including Tobacco Products.) Peter J. Schweitzer, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 28, 1951; amended to application, Supplemental Register, Nov. 7, 1952, Serial No. 621,788.

EXPORT

For Cigarette Paper Booklets.
Claims use since Nov. 1, 1951.

569,803. (Class 38. Prints and Publications.) George C. McMichael, doing business under the name Market Trend Research, Boston, Mass. Original filed, act of 1946, Principal Register, Nov. 30, 1951; amended to application, Supplemental Register, Oct. 22, 1952, Serial No. 621,892.

MARKET TREND RESEARCH

For Market Bulletins Published Bi-Monthly.
Claims use since Oct. 15, 1951.

569,804. (Class 38. Prints and Publications.) Stamata Publishing Company, Cedar Rapids, Iowa. Original filed, act of 1946, Principal Register, Dec. 5, 1951; amended to application, Supplemental Register, Sept. 18, 1952, Serial No. 622,129.

NOTES of interest

For Publication Devoted to Information and News of Interest in the Banking Business, Published Monthly, Prepared for Distribution by Others.
Claims use since November 1951.

569,805. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Miron Mills, Inc., Clinton, Mass. Original filed, act of 1946, Principal Register, Dec. 12, 1951; amended to application, Supplemental Register, Nov. 15, 1952, Serial No. 622,397.

GROSNIB

For Wool Fabrics in the Piece.
Claims use since Oct. 25, 1951.

569,806. (Class 39. Clothing.) Summit Sportswear Company, Boston, Mass. Original filed, act of 1946, Principal Register, Dec. 26, 1951; amended to application, Supplemental Register, July 7, 1952, Serial No. 622,855.

ORIGINAL
British Walker
Summit of Boston

For Ladies' and Misses' Skirts.
Claims use since June 9, 1951.

569,807. (Class 39. Clothing.) Florida Fashions Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 5, 1952; amended to application, Supplemental Register, Nov. 20, 1952, Serial No. 623,244.

YOU DON'T HAVE TO BE RICH TO LOOK RICH

For Women's Dresses.
Claims use since Oct. 12, 1951.

569,808. (Class 38. Prints and Publications.) Kaimbach Publishing Co., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Jan. 11, 1952; amended to application, Supplemental Register, Sept. 27, 1952, Serial No. 623,468.

Trains & Travel

The drawing is filed for red. Applicant claims ownership of Registration No. 385,847.
For Periodical Publication.
Claims use since Sept. 19, 1951.

569,809. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Joseph A. Cahil, doing business under the name of Cahil Manufacturing Co., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 7, 1951; amended to application, Supplemental Register, Nov. 19, 1952, Serial No. 624,066.

"Flip-Up"

Applicant claims ownership of Registration No. 441,480.
For Can Openers.
Claims use since Feb. 2, 1951.

569,810. (Class 17. Tobacco Products.) Charles K. Elliott, doing business under the name and style of Wint-A-Green, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 2, 1952; amended to application, Supplemental Register, Nov. 10, 1952, Serial No. 624,450.

WINT-A-GREEN

For Cigarettes.
Claims use since Oct. 16, 1951.

569,811. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Dumari Textile Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 15, 1952; amended to application, Supplemental Register, Aug. 21, 1952, Serial No. 625,003.

Dumari's RUSTLE 'N GLO

Applicant claims ownership of Registrations Nos. 284,140, 285,139, and 346,840.
For Cotton Piece Goods Having a Taffeta Finish.
Claims use since July 1, 1951.

569,812. (Class 39. Clothing.) Mary Constance Sabo, Detroit, Mich. Original filed, act of 1946, Principal Register, Feb. 28, 1952; amended to application, Supplemental Register, Oct. 29, 1952, Serial No. 625,895.

*Slumber
Mitts*

For Mittens To Protect the Hands After the Application of Hand Cream.
Claims use since Oct. 1, 1951.

569,813. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Plastic Woven Products, Inc., Paterson, N. J. Original filed, act of 1946, Principal Register, Mar. 28, 1952; amended to application, Supplemental Register, Sept. 12, 1952, Serial No. 627,222.

AIR-LITE

For Hose Connections, Couplings, and Plastic Screen Cloth.
Claims use since Dec. 1, 1949.

569,814. (Class 39. Clothing.) Harry Rutenberg, Brooklyn, N. Y. Filed Apr. 19, 1952, Serial No. 628,368.

A Rutenberg Original Sportswear Specialists

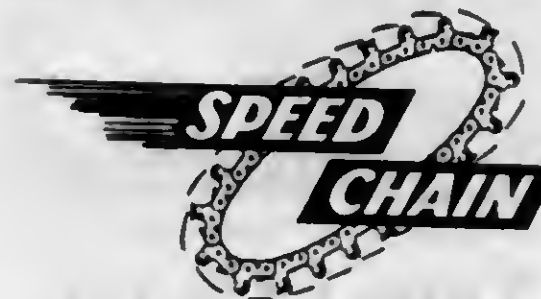
For Women's and Misses' Skirts, Blouses, Dresses, Jackets, Slacks, Toppers, Halters, Play Suits, Play Shorts, Bathing Suits, and Beach Robes.
Claims use since Apr. 9, 1951.

569,815. (Class 46. Foods and Ingredients of Foods.) Vincent J. Squillante, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 19, 1952; amended to application, Supplemental Register, Sept. 25, 1952, Serial No. 628,370.

HANFORD
Gold

For Fresh Grapes.
Claims use since Oct. 6, 1950.

569,816. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Donley Tool Co., Boise, Idaho. Original filed, act of 1946, Principal Register, Apr. 25, 1952; amended to application, Supplemental Register, Oct. 23, 1952, Serial No. 628,677.



For Teeth for Power Saws.
Claims use since Oct. 10, 1950.

569,817. (Class 36. Musical Instruments and Supplies.) Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Filed Apr. 28, 1952, Serial No. 628,820.

**SYMPHONIC
CARILLON**

The word "Carillioo" apart from the mark as shown is disclaimed.

For Percussion Musical Instruments Utilizing Tone Bars and Electromagnetically Operated Strikers for the Bars.
Claims use since June 30, 1950.

666 O. O.—61

569,818. (Class 46. Foods and Ingredients of Foods.) Hunt Foods, Inc., Fullerton, Calif. Filed May 5, 1952, Serial No. 629,202.

Hunt for the best

Applicant claims ownership of Registrations Nos. 154,771, 178,947, and others.

For Canned Fruits; Canned Vegetables; Canned Tuna Fish; Canned Spaghetti With Tomato and Cheese Sauce Added; Canned Tomato Puree; Canned Hominy; Canned Pork and Beans With Tomato Sauce; Canned Chili Beans; Canned Tomato Juice; Canned Tomato Sauce; Canned Tomato Paste; Canned Deciduous Fruit Juices for Food Purposes; Bottled Prepared Mustard; Bottled Soy Sauce; Bottled White Vinegar; Bottled Sweet Pickle Relish; Bottled Pickles; Fruit Preserves Canned and in Glass.
Claims use since 1944.

569,819. (Class 16. Protective and Decorative Coatings.) Supolin Paints Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 13, 1952; amended to application, Supplemental Register, Nov. 1, 1952, Serial No. 629,628.

"RITE-ON GREEN"

For Enamel Paint.
Claims use since Apr. 15, 1951.

569,820. (Class 46. Foods and Ingredients of Foods.) Orchard Products Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 1, 1950; amended to application, Supplemental Register, Dec. 3, 1951, Serial No. 605,758.

FRUTE-WIP

For Fruit Flavored, Chocolate Flavored, and Butter-scotch Flavored Preparations Adapted, Upon Admixture With Whipped Evaporated Milk Followed by Chilling or Freezing, To Produce Frozen Desserts.
Claims use since Oct. 23, 1950.

569,821. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Chicago Specialty Manufacturing Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 3, 1950; amended to application, Supplemental Register, Oct. 23, 1951, Serial No. 605,843.

Fit-all

Applicant claims ownership of Registrations Nos. 376,391 and 516,125.

For Faucet Replacement Handles, Water Closet Tank Ball Valves, Water Closet Tank Ball Valve and Lift Wire Assemblies, Water Closet Tank Top Guard Rails, Water Faucet Escutcheon Nipples, Water Faucet Escutcheon Nuts, Towel Racks for Attachment to a Wall, and Adaptor Lugs for Lavatory Legs.
Claims use since Dec. 14, 1938.

569,822. (Class 16. Protective and Decorative Coatings.) Deikote, Inc., Wilmington, Del. Original filed, act of 1946, Principal Register, Dec. 13, 1950; amended to application, Supplemental Register, July 23, 1952, Serial No. 607,620.

BOOKOTE

For Resin and Varnish Coatings for the Outer Bindings of Books.

Claims use since Sept. 1, 1949.

569,823. (Class 39. Clothing.) Abrams Dress Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 8, 1951; amended to application, Supplemental Register, Nov. 6, 1951, Serial No. 608,484.

Fashion Mark

For Ladies' and Misses' Dresses.

Claims use since October 1950.

569,824. (Class 26. Measuring and Scientific Appliances.) Spaulding-Moss Company, Boston, Mass. Original filed, act of 1946, Principal Register, Feb. 27, 1951; amended to application, Supplemental Register, Apr. 10, 1952, Serial No. 610,593.

DYELINE

For Sensitized Paper.

Claims use since Jan. 19, 1951.

569,825. (Class 38. Prints and Publications.) National Office Management Association, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Mar. 9, 1951; amended to application, Supplemental Register, Nov. 14, 1952, Serial No. 611,103.

OFFICE Executive

For Periodical—Namely, a Monthly Magazine Containing Articles, Illustrations, and Information Relating Generally to Office and Business Management.

Claims use since November 1950.

569,826. (Class 46. Foods and Ingredients of Foods.) Horlicks Corporation, Racine, Wis. Original filed, act of 1946, Principal Register, Apr. 12, 1951; amended to application, Supplemental Register, Nov. 12, 1952, Serial No. 612,545.

MINIT MALT

Applicant claims ownership of Registration No. 202,497. For Frozen Malted Milk Mix.

Claims use since Apr. 4, 1951.

569,827. (Class 39. Clothing.) Ramsay, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 24, 1951; amended to application, Supplemental Register, July 3, 1952, Serial No. 614,314.

Ramsay

For Ladies' Suits, Coats, and Toppers.

Claims use since Mar. 28, 1951.

569,828. (Class 46. Foods and Ingredients of Foods.) Polynesian Food Specialties, Ltd., Honolulu, Hawaii. Original filed, act of 1946, Principal Register, May 28, 1951; amended to application, Supplemental Register, Mar. 28, 1952, Serial No. 614,465.



For Coconut Chips.

Claims use since Oct. 11, 1950.

569,829. (Class 38. Prints and Publications.) Electrol Incorporated, Kingston, N. Y. Original filed, act of 1946, Principal Register, July 17, 1951; amended to application, Supplemental Register, Oct. 20, 1952, Serial No. 616,598.



The drawing is lined for the color red, but no claim is made to color.

For Magazine Published Bimonthly.

Claims use since March 1951.

569,830. (Class 39. Clothing.) The Neatform Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 24, 1951; amended to application, Supplemental Register, Nov. 14, 1952, Serial No. 616,864.

TRIPLE CROSS

For Foundation Garments, Corsets, and Girdles.

Claims use since April 1951.

569,831. (Class 26. Measuring and Scientific Appliances.) Athletic Films, Inc., Hollywood, Calif. Original filed, act of 1946, Principal Register, Aug. 8, 1951; amended to application, Supplemental Register, Apr. 10, 1952, Serial No. 617,359.

See-how

For Motion and Still Pictures on Film and Viewers Therefor.

Claims use since Nov. 27, 1950.

569,832. (Class 38. Prints and Publications.) Drake Publishing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 14, 1951; amended to application, Supplemental Register, Nov. 6, 1952, Serial No. 617,652.

Country Fair

For Periodical Published Bi-Monthly.

Claims use since Aug. 8, 1951.

569,833. (Class 12. Construction Materials.) Protective Papers, Inc., Elgin and Union, Ill. Original filed, act of 1946, Principal Register, Aug. 23, 1951; amended to application, Supplemental Register, May 22, 1952, Serial No. 618,009.

ALUMINATION

For Paper Coated With Aluminum Pigment or Paint for Use as a Reflective Insulation Medium.

Claims use since Mar. 1, 1951.

569,834. (Class 39. Clothing.) Industrial Gloves Company, Danville, Ill. Original filed, act of 1946, Principal Register, Aug. 24, 1951; amended to application, Supplemental Register, Nov. 14, 1952, Serial No. 618,042.

SUPERGARD

For Finger Cots for Industrial Purposes, Made of Flexible Wear Resistant Material.

Claims use since July 17, 1944.

569,835. (Class 46. Foods and Ingredients of Foods.) Stanislaus Food Products Company, Modesto, Calif. Filed June 24, 1952, Serial No. 631,693.



For Canned Tomatoes.

Claims use since Sept. 10, 1949.

569,836. (Class 46. Foods and Ingredients of Foods.) Frank M. Wilson Company, Stockton, Calif. Filed July 14, 1952, Serial No. 632,543.

Robbler

Applicant claims ownership of Registration No. 240,133. For Canned Fruits.

Claims use since Oct. 1, 1927.

569,837. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Bear Mill Manufacturing Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 22, 1952; amended to application, Supplemental Register, Nov. 12, 1952, Serial No. 632,868.



The representation of the man is fanciful. No claim is made to the exclusive use of the words "A Bonded Fabric" apart from the mark as shown. The drawing is lined for shading purposes only.

For Fabrics in the Piece Made of a Combination of Rayon and Acetate.

Claims use since June 14, 1951.

569,838. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Filed Aug. 22, 1952, Serial No. 634,333.

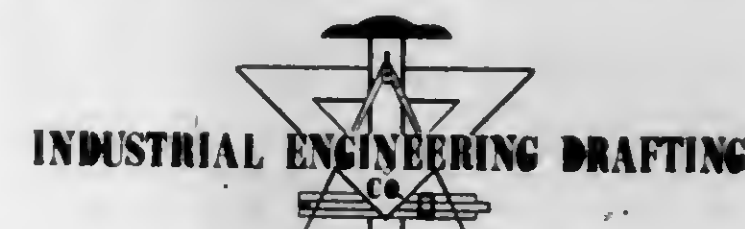
GROSVENOR

For Textile, Woven, Woolen Rugs and Carpets.

Claims use since Jan. 8, 1947.

Service Mark

569,839. (Class 100. Miscellaneous.) Joseph M. Rodriguez, Jr., doing business as Industrial Engineering Drafting Co., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Oct. 7, 1949; amended to application, Supplemental Register, Nov. 28, 1952, Serial No. 587,601.



For Drawing Industrial Maps to Specification.

Claims use since Oct. 11, 1948.

TRADE-MARK REGISTRATIONS RENEWED

- 39,438. **QUEEN ANNE.** Registered Dec. 9, 1902. Hill, Thomson & Co. Re-renewed Dec. 9, 1932, to Hill, Thomson & Co. Limited, Edinburgh, Scotland, a corporation organized under the laws of Great Britain. Scotch Whisky. Class 49.
- 39,791. **REPRESENTATION OF SPHINX.** Registered Feb. 10, 1903. The Slinger Manufacturing Co., New York, N. Y. Re-renewed Feb. 10, 1933, to The Slinger Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Sewing-Machines and Sewing-Machine Attachments and Parts Thereof. Class 23.
- 88,776. **REPRESENTATION OF GROUP OF HORIZONTAL LINES LINED FOR RED.** Registered Oct. 22, 1912. Morris Fertilizer Co., Atlanta, Ga. Re-renewed Oct. 22, 1932, to Armour and Company, Chicago, Ill., a corporation of Illinois. Fertilizer. Class 10.
- 88,988. **BRANDIMIST.** Registered Oct. 29, 1912. James P. Williams, Brooklyn, N. Y. Re-renewed Oct. 29, 1932, to A. D. Lewis, Atlanta, Ga. Soda-Water Drink. Class 43.
- 89,259. **HOFHEIMER'S.** Registered Dec. 3, 1912. Hofheimer Brothers Company. Re-renewed Dec. 3, 1932, to Hofheimer's, Inc., Norfolk, Va., a corporation of Virginia. Leather, Rubber, and Cloth Boots and Shoes Having Soles and Heels Made of Leather or Rubber. Class 39.
- 90,804. **TELEPHONE.** Registered Mar. 23, 1913. Max Greenbaum, New York, N. Y. Re-renewed Mar. 23, 1933, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware. Writing and Printing Paper. Class 37.
- 90,837. **CHICKEN CHOWDER.** Registered Mar. 23, 1913. Ralston Purina Company, St. Louis, Mo., a corporation of Missouri. Re-renewed Mar. 23, 1933. Chicken Feed. Class 40.
- 90,908. **RELIANCE.** Registered Apr. 8, 1913. Chicago Belting Company. Re-renewed Apr. 8, 1933, to Chicago Belting Company, Chicago, Ill., a corporation of Delaware. Leather Belting. Class 35.
- 91,001. **TELMO.** Registered Apr. 8, 1913. Franklin MacVeagh and Company, Chicago, Ill., a corporation of Illinois. Re-renewed Apr. 8, 1933. Canned Vegetables, Canned Fruits, Evaporated Fruits, Etc. Class 40.
- 280,152. **SOUTHERN FARMER.** Registered Aug. 18, 1931. Times Publishing Co. Re-renewed Aug. 18, 1931, to Southern Farmer, Inc., Montgomery, Ala., a corporation of Alabama. Periodical. Class 38.
- 290,325. **TUCAN.** Registered Jan. 3, 1932. Ferrocarril Nord Este Argentino. Renewed Jan. 3, 1932, to Distribuidora Nacional de Frutas, Buenos Aires, Argentina, a corporation organized under Argentine laws. Fresh Vegetables—Namely, Lima-Beans, Peas, String Beans, Etc. Class 46.
- 295,135. **UMBRATHOR.** Registered June 21, 1932. Heyden Chemical Corporation. Renewed June 21, 1932, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware. Medicinal Preparation Finding Its Application in the Photography by X-Rays for Medicinal and Similar Purposes. Class 18.
- 296,060. **SAISON.** Registered July 19, 1932. Charles Bloom Inc., New York, N. Y., a corporation of New York. Renewed July 19, 1932. Cretonne Piece Goods. Class 42.
- 296,764. **"SABEL'S" ETC. AND DIAMOND DESIGN.** Registered Aug. 23, 1932. Isadore Sabel, Philadelphia, Pa. Renewed Aug. 23, 1932, to Thompson Bros. Shoe Co., Brockton, Mass., a corporation of Massachusetts. Corrective Shoes—Namely, Club-Foot Shoes. Class 44.
- 297,140. **SILVER KING.** Registered Sept. 6, 1932. National Shirt Shops, Inc. Renewed Sept. 6, 1932, to National Shirt Shops of Delaware, Inc., New York, N. Y., a corporation of Delaware. Men's Dress, Negligee, and Work Shirts, Underwear, and Pajamas. Class 39.
- 297,253. **BILTRITE.** Registered Sept. 6, 1932. Biltrite Motor Equipment Co. Inc., New York, N. Y., a corporation of New York. Renewed Sept. 6, 1932. Oils and Greases for Motor Vehicles, Hydraulic Brake Oils, Crank Case Oils, Shock-Absorber Oils, and Penetrating Oils. Class 15.
- 297,265. **"FORT DEARBORN" ETC. AND DRAWING.** Registered Sept. 6, 1932. K. Handling & Son, Chicago, Ill., a co-partnership. Renewed Sept. 6, 1932. Leather. Class 1.
- 297,432. **CONVERTI-FUSE.** Registered Sept. 13, 1932. The Trumbull Electric Manufacturing Company, Plainville, Conn. Renewed Sept. 13, 1932, to General Electric Company, Schenectady, N. Y., a corporation of New York. Electrical Power Distribution Switch Boards, Panel Boards, Safety Switches, Etc. Class 21.
- 297,596. **"CN" AND DESIGN.** Registered Sept. 20, 1932. West Disinfecting Company, Long Island City, N. Y., a corporation of New York. Renewed Sept. 20, 1932. Cleaning Preparations of General Utility in Liquid, Paste, and Powder Form, Etc. Class 4.
- 298,197. **DILAUDID.** Registered Oct. 18, 1932. E. Bilhuber, Inc., Jersey City, N. J. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Oct. 18, 1932. Medical Compound for the Alleviation of Pain and Cough. Class 18.
- 298,337. **DEFIANCE.** Registered Oct. 25, 1932. Michaels Bros. Renewed Oct. 25, 1932, to Michaels Brothers, Inc., Brooklyn, N. Y., a corporation of New York. Refrigerators. Class 31.
- 298,352. **ROCO PENN.** Registered Oct. 25, 1932. Richfield Oil Corporation of New York, New York, N. Y., a corporation of Delaware. Renewed Oct. 25, 1932. Petroleum Products—Namely, Lubricating Oils and Motor Lubricating Oils. Class 15.
- 298,372. **"JUST-IT".** Registered Oct. 25, 1932. The Patricia Pettibone Co. Inc. Renewed Oct. 25, 1932, to Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York. Ladies' Knitted and Silk Underwear. Class 39.
- 298,413. **BEAUTYRANGE.** Registered Oct. 25, 1932. Odin Stove Manufacturing Company, Erie, Pa., a corporation of Pennsylvania. Renewed Oct. 25, 1932. Gas Stoves and Ranges. Class 34.
- 298,422. **F & M.** Registered Oct. 25, 1932. F. & M. Importing Co. Inc., Los Angeles, Calif., a corporation of California. Renewed Oct. 25, 1932. Canned Fish, Canned Fruits, Canned Vegetables, Etc. Class 46.
- 298,455. **EVERYTHINGS.** Registered Oct. 25, 1932. Vanity Fair Silk Mills. Renewed Oct. 25, 1932, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. Knitted and Textile Underwear and Hosiery for Women and Children—Namely, Vests, Bloomers, Etc. Class 39.
- 298,707. **"J C BOLDOOT" ETC. AND DRAWING.** Registered Nov. 1, 1932. Naamloose Vennootschap Eau de Cologne Fabriek J. C. Boldoot, Amsterdam, Netherlands. Renewed Nov. 1, 1932, to Naamloose Vennootschap Eau de Cologne Fabriek J. C. Boldoot, Amsterdam, Holland, a corporation organized under the laws of the Netherlands. Perfumery, Eau-de-Cologne, Toilet Creams, Etc. Class 31.

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- 298,814. **HAPPY-FEET.** Registered Nov. 8, 1932. Field and Flint Co., Brockton, Mass., a corporation of Massachusetts. Renewed Nov. 8, 1932. Boots and Shoes Made of Leather and Combinations of Leather and Fabric. Class 39.
- 298,841. **CYNTHIA.** Registered Nov. 8, 1932. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Nov. 8, 1932, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Women's and Children's Shoes of Leather, Rubber, and Fabric and Combinations of Those Materials. Class 39.
- 298,882. **OCTOLIB.** Registered Nov. 8, 1932. Brittain Limited, Cheddleton, near Leek, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Nov. 8, 1932. Tissue Papers Generally, But More Particularly Those Adapted To Be Made Into Carbonizing Tissues, Etc. Class 37.
- 299,104. **OCEAN-CLEAR.** Registered Nov. 22, 1932. Consolidated Lobster Company, Inc., Gloucester, Mass., a corporation of Massachusetts. Renewed Nov. 22, 1932. Live Lobsters and Cooked Lobsters. Class 40.
- 299,391. **RICH-TOP-LUBE.** Registered Dec. 6, 1932. Richfield Oil Corporation of New York, New York, N. Y., a corporation of Delaware. Renewed Dec. 6, 1932. Petroleum Products—Namely, Lubricating Oils, Gasoline. Class 15.
- 299,505. **PHILKOOL.** Registered Dec. 6, 1932. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed Dec. 6, 1932. Refined, Semi-Refined, and Unrefined Oils and Greases Made From Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Substances, Etc. Class 15.
- 299,506. **PHILKUT.** Registered Dec. 6, 1932. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed Dec. 6, 1932. Refined, Semi-Refined, and Unrefined Oils and Greases Made From Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Substances, Etc. Class 15.
- 299,575. **CRA.** Registered Dec. 13, 1932. California Redwood Association, San Francisco, Calif., a corporation of California. Renewed Dec. 13, 1932. Lumber. Class 12.
- 299,584. **KING VASA.** Registered Dec. 13, 1932. Sevrin A. Haram, doing business as S. A. Haram, New York, N. Y. Renewed Dec. 13, 1932. Bread. Class 48.
- 299,758. **"I" AND DESIGN.** Registered Dec. 20, 1932. India Tire and Rubber Company, Akron and Mogadore, Ohio. Renewed Dec. 20, 1932, to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Resilient Tires for Vehicles, Composed of Rubber, Etc. Class 33.
- 299,775. **BONUS.** Registered Dec. 20, 1932. Bradstone Rubber Company, Woodbine, N. J., a corporation of New Jersey. Renewed Dec. 20, 1932. Rubber Heels, Rubber Soles, and Half Soles. Class 39.
- 299,777. **"GOAL" AND DESIGN.** Registered Dec. 20, 1932. Bradstone Rubber Company, Woodbine, N. J., a corporation of New Jersey. Renewed Dec. 20, 1932. Rubber Heels, Rubber Soles, and Half Soles. Class 39.
- 299,778. **MARCH KING.** Registered Dec. 20, 1932. Bradstone Rubber Company, Woodbine, N. J., a corporation of New Jersey. Renewed Dec. 20, 1932. Rubber Heels, Rubber Soles, and Half Soles. Class 39.
- 300,156. **ARROWHEAD.** Registered Jan. 10, 1933. Gilbert Paper Company, Menasha, Wis., a corporation of Wisconsin. Renewed Jan. 10, 1933. Bond and Safety Paper. Class 37.
- 300,455. **"MAGICOAT" AND DESIGN.** Registered Jan. 17, 1933. Morris & Company, Inc., Baltimore, Md., a corporation of Maryland. Renewed Jan. 17, 1933. Uniforms for Nurses, Maids, and Waitresses, Etc. Class 39.
- 300,504. **YO-YO.** Registered Jan. 24, 1933. Donald F. Duncan, Inc. Renewed Jan. 24, 1933, to Donald F. Duncan, Inc., Chicago, Ill., a corporation of Delaware. Bandelore Toy Spinning Tops. Class 22.
- 300,517. **"GLOVECRAFT" ETC. AND DESIGN.** Registered Jan. 24, 1933. Glovecraft, Inc., Johnstown, N. Y., a corporation of New York. Renewed Jan. 24, 1933. Ladies' and Men's Leather Gloves. Class 39.
- 300,702. **CCH.** Registered Jan. 31, 1933. The Mathieson Alkali Works, Inc., New York, N. Y. Renewed Jan. 31, 1933, to Mathieson Chemical Corporation, Baltimore, Md., a corporation of Virginia. Technical Grade Calcium Hypochlorite. Class 6.
- 300,874. **"JOHNSON'S" AND DESIGN LINED FOR YELLOW.** Registered Feb. 14, 1933. S. C. Johnson & Son. Renewed Feb. 14, 1933, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin. Wax for Coating and Polishing Wood, Metal, and Other Surfaces, and Lacquer. Class 4.
- 300,983. **ROTO TYPE.** Registered Feb. 14, 1933. The Coleman Lamp and Stove Company. Renewed Feb. 14, 1933, to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas. Gasoline, Fuel Burning Lamps and Lanterns. Class 34.
- 301,007. **CHOCICLE.** Registered Feb. 14, 1933. The Popsicle Corporation of the United States. Renewed Feb. 14, 1933, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Frozen Confections. Class 46.
- 301,204. **DRAPÉ LEI.** Registered Feb. 21, 1933. The Weisbaum Bros. Brower Co. Renewed Feb. 21, 1933, to Beau Brummell Ties, Inc., Cincinnati, Ohio, a corporation of Ohio. Neckties. Class 39.
- 301,319. **"JOHNSON'S" AND DESIGN.** Registered Feb. 28, 1933. S. C. Johnson & Son. Renewed Feb. 28, 1933, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin. Polishing Wax for Coating and Polishing Wood, Metal, and Other Surfaces. Class 4.
- 301,334. **PY-SICLE.** Registered Feb. 28, 1933. The Popsicle Corporation of the United States. Renewed Feb. 28, 1933, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Frozen Confections. Class 46.
- 301,601. **MONOTUBE.** Registered Mar. 7, 1933. The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio. Renewed Mar. 7, 1933. Rolled or Pressed, Straight or Tapered, Plain or Fluted, Metal Pipes, Tubes, and Poles. Class 13.
- 301,640. **EXCELLO.** Registered Mar. 7, 1933. Freyberg Brothers, Incorporated, New York, N. Y. Renewed Mar. 7, 1933, to Freyberg Bros. Strauss, Inc., Stamford, Conn., a corporation of New York. Ribbon Composed of Cellulose Composition Material for Tying Packages and Other Uses. Class 7.
- 301,836. **REPRESENTATION OF CHECKERBOARD DESIGN.** Registered Mar. 14, 1933. Ralston Purina Company, St. Louis, Mo., a corporation of Missouri. Renewed Mar. 14, 1933. Baked Rye Flour Product in Cracker Form. Class 46.
- 301,912. **NO 19.** Registered Mar. 21, 1933. Park & Tilford, New York, N. Y., a corporation of New York. Renewed Mar. 21, 1933. Perfumes, Lotions for Hands and Face To Be Used as an Aid for Softening and Whitening the Skin, Etc. Class 31.
- 302,195. **HANDRIDGE.** Registered Apr. 4, 1933. Heath-Sweetser, Inc., New York, N. Y. Renewed Apr. 4, 1933, to Heath-Sweetser-Broome Corp., Philadelphia, Pa., and New York, N. Y., a corporation of New York. Men's and Boys' Shirts—Namely, Dress, Negligee, and Work, and Collars. Class 39.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

47,195. **GOLDEN ROD**. Registered Oct. 31, 1906. The Northwestern Consolidated Milling Company, Minneapolis, Minn. Wheat-Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising Kansas, Mississippi, Ohio, Pennsylvania, and Louisiana, by order of the Commissioner dated Dec. 30, 1952, following decision on Concurrent Use Proceeding No. 74, *The Colorado Milling & Elevator Co. v. The Northwestern Consolidated Milling Company*.

299,298. **"SUPERGAUGE" AND DESIGN**. Registered Nov. 29, 1932. United States Gauge Company, New York, N. Y. Gauges. Class 26. The drawing is hereby amended to appear as follows:

SUPERGAUGE



TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 5 ADHESIVES

Reg. No. 298,292. Registered Oct. 18, 1932. The Nantux Chemical Company, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



For Rubber Adhesive.
Claims use since Mar. 23, 1932.

CLASS 12 CONSTRUCTION MATERIALS

Reg. No. 138,602. Registered Jan. 4, 1921. Crooks-Dittmar Co., Williamsport, Pa. Republished by The Cromar Company, Williamsport, Pa., a corporation of Maryland.

CROMAR

For Wood Flooring.
Claims use since on or about Apr. 1, 1920.

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148,992. **BLUE BIRD**. Registered Dec. 6, 1921. Ballard & Ballard Company, Louisville, Ky. Wheat-Flour, and Particularly Self-Rising Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States of Colorado, Kansas, Wyoming, New Mexico, Nebraska, Utah, Oklahoma, and Arizona, by order of the Commissioner dated Dec. 23, 1952, following decision on Concurrent Use Proceeding No. 81, *The Colorado Milling & Elevator Co. v. Ballard and Ballard Co.*

223,995. **BLUE BIRD**. Registered Feb. 15, 1927. Ballard & Ballard Co., Louisville, Ky. Wheat Flour, Including Self-Rising Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States of Colorado, Kansas, Wyoming, New Mexico, Nebraska, Utah, Oklahoma, and Arizona, by order of the Commissioner dated Dec. 23, 1952, following decision on Concurrent Use Proceeding No. 81, *The Colorado Milling & Elevator Co. v. Ballard and Ballard Co.*

Reg. No. 221,159. Registered Nov. 23, 1926. Dependon Asphaltum Roofing Co., Chicago, Ill. Republished by Dependon Roofing Co., Chicago, Ill., a corporation of Illinois.



For Prepared Roofing of All Kinds.
Claims use since Feb. 1, 1922.

CLASS 13 HARDWARE AND PLUMBING AND STEAM- FITTING SUPPLIES

Reg. No. 89,498. Registered Dec. 17, 1912. Phillips Lead & Supply Co., Providence, R. I. Republished by Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania.

PHILCO

For Elbows, Brass T's, Unions, Nipples, Bushings, Return-Bends, Bib-Faucets and Basin-Faucets, Gate-Valves, Steam-Valves, Stop and Waste Cocks, Bath-Tubs, Water-Closet Flushing-Valves, Float-Valves, Water-Closet Seats, Water-Closets, Boilers, Shower-Baths, Water-Closet Flushing-Tanks, China and Porcelain Lined Iron Washbasins.
Claims use since Oct. 1, 1910.

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CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Reg. No. 88,598. Registered Oct. 1, 1912. The Silicate Paint Company J. B. Orr and Company Limited, London, England. Republished by Duresco Products Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland.

DURESCO

For Water-Paint.
Claims use since July 4, 1876.

Reg. No. 299,567. Registered Dec. 13, 1932. Ball Chemical Company, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.



For Paint Oils, Baking Varnishes, Tin Plate Lacquers, Pipe Coatings and Paper and Cloth Coatings, Such Coatings Being in the Nature of Varnish-Type Paint.
Claims use since Feb. 23, 1929.

Reg. No. 309,617. Registered Jan. 23, 1934. Wizard, Inc., Chicago, Ill. Republished by Western Auto Supply Company, Kansas City, Mo., a corporation of Missouri.

WIZARD

For Touch-Up Paint Enamel.
Claims use since Aug. 27, 1923.

Reg. No. 404,191. Registered Nov. 9, 1943. Beautykote Corporation, Newark, N. J. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.

BEAUTY-TONE

The word "Tone" is disclaimed apart from the mark as shown.
For Ready-Mixed Paints, Paint Enamels, and Varnishes.
Claims use since Mar. 10, 1943.

Reg. No. 444,714. Registered Aug. 12, 1952. Walter N. Boysen Co., Oakland, Calif., a corporation of California. Republished by registrant.

KORO-SEAL

The word "Seal" is disclaimed apart from the mark as shown.
For Sealers Used Alone or Admixed With Paint or Oil and as a Vehicle for Metal Powders.
Claims use since July 1936.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 372,376. Registered Oct. 31, 1939. Calad Products Company, Inc., Brentwood, Md., a corporation of Maryland. Republished by registrant.
See this number in Class 51 for goods and mark.
Claims use since June 1, 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 298,481. Registered Oct. 25, 1932. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

Laytex

For Rubber Covered Wire for Electrical Use.
Claims use since Feb. 11, 1932.

Reg. No. 383,577. Registered Dec. 17, 1940. Clements Mfg. Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

STERLINGAIRE

For Electric Portable Vacuum Cleaners.
Claims use since Oct. 4, 1939.

Reg. No. 384,491. Registered Jan. 21, 1941. Clements Mfg. Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CHALLENGER

For Portable, Electrically Operated Vacuum Cleaners and Hand Blowers for Use in Cleaning by a Current of Air.
Claims use since July 3, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 300,768. Registered Feb. 7, 1933. Parker Brothers, Inc., Portland, Maine, and Salem, Mass., a corporation of Maine. Republished by registrant, present address Salem, Mass.

DERBY DAY

For Game Played Upon a Table With Movable Pieces.
Claims use since April 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 298,686. Registered Nov. 1, 1932. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.



The forward edge of the belt is marked to indicate the color yellow in the drawing. No claim is made to the representation of a belt.

For Belts of Rubber and Fabric.
Claims use since Nov. 4, 1930.

CLASS 39
CLOTHING

Reg. No. 300,499. Registered Jan. 24, 1933. Gotham Silk Hosiery Company, Inc., New York, N. Y. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

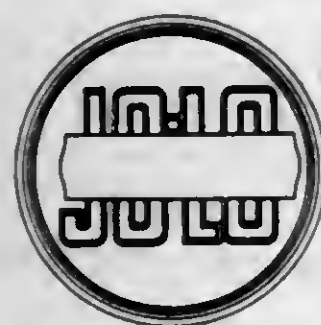
Gothamettes

For Hosiery.
Claims use since Oct. 1, 1932.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 299,518. Registered Dec. 6, 1932. Joe Lowe Corporation, Brooklyn, N. Y., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

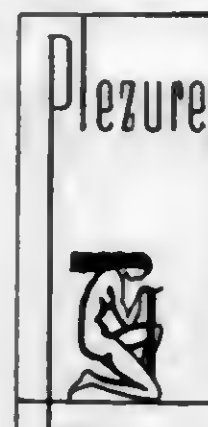


For Albumen (Egg), Edible Corn Starch, Potato Starch, Rice Starch, Edible Gums, Marshmallow Powder, Meringue Powder, Edible Tapioca Starch, Chocolate Paste, Confectioner's Glaze, Icing Paste, Fudge Paste, White Fudge, Chocolate Coating, Pie Fillings, Vanilla Bean Powder, Chocolate Powder, Cocoa Powder, Egg Yolk Powdered, Whole Egg Powdered, Egg Preparations for Improving Candy Mixes or Cake Mixes, Skim Milk Powder, Dusting or Coating Powder for Doughnuts and Other Cakes, Wheat Flour, Flour Mixes for Making Cakes, Cookies, Bread, Waffles, Doughnuts, and Fried Cakes, Butter Emulsion, Butter Flavor, Caramel Flavor, Fruit Acids for Flavoring Purposes, Coffee Cake Emulsion, Coffee Cake Flavor, General Emulsions for Flavoring Purposes, General Essences for Flavoring Purposes, General Extracts for Flavoring Purposes, General Essential Oils for Flavoring Purposes; Fruit Concentrates of Various Flavors, Both Imitation and Pure, Imitation or Compound Vanilla Bean Flavor, Pure Extract of Vanilla, Pure Extract of Lemon, Edible Corn Starch, Canned Fruits, Fruit Mixtures; Fruit Concentrates, Fudge, Cocoa, Chocolate Candy, Chocolate Cake; Macaroon Granules—Namely, Toasted Coconut Cake in Granular Form, Used Principally by Ice Cream Manufacturers; Skim Milk Powder; Cherries—Maraschino; Coconut; Dehydrated Eggs; Shortenings—Namely, Edible Vegetable Fats and Oils; Sugar Color—Namely, Burned Sugar or Caramel Used for Coloring Foods; Baked Cakes; Fried Cakes Such as Doughnuts.

Claims use since Jan. 1, 1919.

CLASS 51
COSMETICS AND TOILET PREPARATIONS

Reg. No. 372,376. Registered Oct. 31, 1939. Caled Products Company, Inc., Brentwood, Md., a corporation of Maryland. Republished by registrant.



For Pharmaceutical Preparations—Namely, Skin Cream, Shampoo, Permanent Wave Lotion, and Hand Lotion.
Claims use since June 1, 1933.

Reg. No. 373,989. Registered Dec. 26, 1939. Caled Products Company, Inc., Brentwood, Md., a corporation of Maryland. Republished by registrant.



For Shaving Soap and Soap Preparations.
Claims use since June 1, 1933.

CLASS 52
DETERGENTS AND SOAPS

Reg. No. 297,866. Registered Oct. 4, 1932. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.



The drawing is lined for blue.
For Soap, Soap Chips, and Soap Flakes.
Claims use since about Feb. 20, 1932.

Reg. No. 372,376. Registered Oct. 31, 1939. Caled Products Company, Inc., Brentwood, Md., a corporation of Maryland. Republished by registrant.
See this number in Class 51 for goods and mark.
Claims use since June 1, 1933.

Reg. No. 405,860. Registered Feb. 29, 1944. Caled Products Company, Inc., Brentwood, Md., a corporation of Maryland. Republished by registrant.

BRUSH-OUT

Reg. No. 373,989. Registered Dec. 26, 1939. Caled Products Company, Inc., Brentwood, Md., a corporation of Maryland. Republished by registrant.
See this number in Class 51 for goods and mark.
Claims use since June 1, 1933.

For Detergents—Namely, Dry Cleaning Soap and Dry Cleaning Soap Preparations.
Claims use since Sept. 12, 1940.

REISSUES

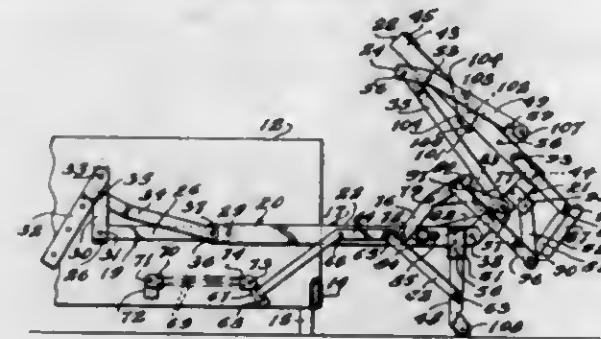
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23,616

LOVE SEAT BED

Peter P. Bebry, Bayonne, N. J., assignor to Bebry Bedding Corporation, Bayonne, N. J., a corporation of New York

Original No. 2,576,062, dated November 20, 1951, Serial No. 126,178, November 8, 1949. Application for reissue March 5, 1952, Serial No. 275,212 7 Claims. (Cl. 5-13)



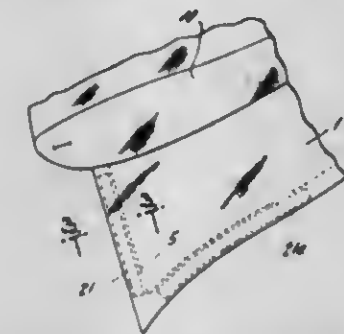
1. In an article of furniture of the character described, a furniture frame, a foldable seat and bed forming frame composed of an inner section, an intermediate body section, a connecting section and an outer end section, [upwardly extending] arms pivotally connected to the opposite sides of said inner section to extend upwardly therefrom when said section is in bed forming relation and pivotally connected at their upper ends to the furniture frame, means pivotally connecting said sections together in end to end relation for movement thereof from a collapsed folded condition within the furniture frame to an extended condition in which the sections are arranged in longitudinal alignment, legs pivotally connected to the opposite sides of said intermediate body section and legs pivotally connected to the opposite sides of said outer end section adjacent the outer [ends] end thereof, link members pivotally connected to the legs of the outer end section and to said connecting section for swinging movement of said legs into alignment with said outer end section upon movement of said sections to folded relation, a link member bridging the pivotal connection between said intermediate body and connecting sections at each side thereof and [each link] the link at each side having a pivotal connection at one end with one of said sections and a pin and slot connection with the other section for limiting the collapsing movement of the connecting section to right angular relation with the intermediate body section, a pair of pivotally connected links at each side of said foldable frame, one of the links of each pair being pivotally connected to

the connecting section and the other link of each pair being pivotally connected to the intermediate body section, said last mentioned link of each pair having a notch in its outer end, and latch elements pivotally connected to the outer end section and adapted to engage in said notches when the sections are disposed in collapsed folded condition within the furniture frame with the connecting section arranged in right angular relation with the intermediate body section and the outer end section disposed in overlying relation with the intermediate body section for supporting a seat cushion.

23,617

ANTICURL DEVICE FOR COLLARS

Benjamin Liebowitz, Lewisboro, N. Y.
Original No. 2,601,038, dated June 17, 1952, Serial No. 247,910, September 24, 1951. Application for reissue July 30, 1952, Serial No. 301,813 16 Claims. (Cl. 2-132)



1. A device for inducing a curving tendency in a desired direction in a portion of an article of apparel with which said device is eventually assembled, said device comprising in combination a flexible fabric strip including at least one monofilament consisting of plastic material and being compression-resistant in axial direction, said monofilament extending in longitudinal direction of said fabric strip and being incorporated therein so as to make said fabric strip compression-resistant, and an elastic strip-shaped element fastened to one face of said flexible compression-resistant fabric strip in permanently stretched tension-creating condition so as to induce curvature in said compression-resistant flexible fabric strip and hence a curving tendency in a portion of an article of wearing apparel with which the same is assembled, said curvature being in the direction of that face of said compression-resistant flexible fabric strip to which the said elastic strip-shaped element is fastened.

PATENTS

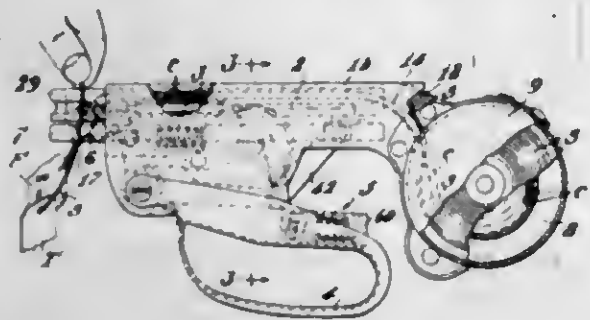
GRANTED JANUARY 27, 1953

GENERAL AND MECHANICAL

2,626,393

STRAND JOINING DEVICE

Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application April 4, 1952, Serial No. 280,520
7 Claims. (Cl. 1-187)

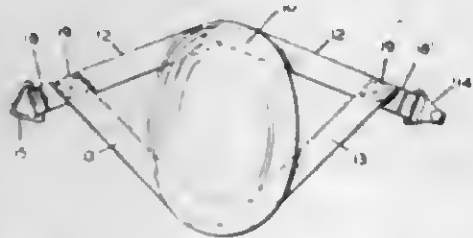


1. For joining two juxtaposed strand portions with a clip, a tool comprising a frame for holding a supply of clips, means for clinching a clip about said strand portions, means for advancing a clip to said clinching means, mechanism for actuating said means including a pair of movable members carrying shoulders disposed side by side and moving along adjacent paths which are substantially parallel, an actuator for driving said members, and interposer means carried by said actuator and movable therewith into abutment with one of said shoulders operatively to connect said actuator with one of said members, said interposer means being adjustable between two operative conditions alternately to abut said shoulders respectively during alternate movements of the actuator, while abutting one shoulder said interposer means engaging the other shoulder to control the adjustment of the interposer means to the next operative condition, whereby successive clip feeding and clinching operations are automatically performed by successive operations of said actuator.

2,626,394

CUSHION PAD

Lorraine Davis, Milwaukee, Wis.
Application September 21, 1948, Serial No. 50,370
2 Claims. (Cl. 2-24)



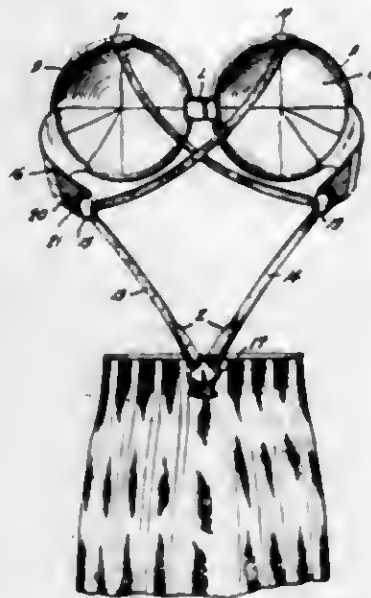
1. A pad for knee protection, comprising a pliable pad, said pad comprising an elongated member having upper and lower edges and opposite sides and formed with a concave inner face and a convex outer face, an elastic fabric backing member attached to the concave inner face of said pad, an elastic top strap secured to the backing member adjacent the upper edge of the pad,

and having attachable terminal ends, said top strap having respective straps secured thereto inwardly of the terminal ends thereof, said last named straps extending downwardly and secured to opposite edges of said backing member.

2,626,395

BRASSIERE

Gertrude Whitman, Jamaica, N. Y.
Application November 25, 1950, Serial No. 197,627
4 Claims. (Cl. 2-42)



1. In a brassiere, a body having spaced pockets, bands secured to side portions of each pocket, connecting members secured to the free ends of said bands, a brace comprising a single length of relatively stiff wire completely encompassing each of said bust pockets and secured thereto, bridge means interposed between said pockets and joining said brace wires, strap members connected at one end thereof to the top portion of each pocket and provided with adjustable fastening means on the opposed ends thereof, said strap slidably extending through said connecting members, said fastening means adapted to engage cooperating fastening means on a girdle thereby to exert a downward tension on said straps and an uplift on said pockets.

2,626,396

SLEEVE CONSTRUCTION

Ruth Kanin, New York, N. Y.
Application November 7, 1947, Serial No. 784,545
6 Claims. (Cl. 2-74)

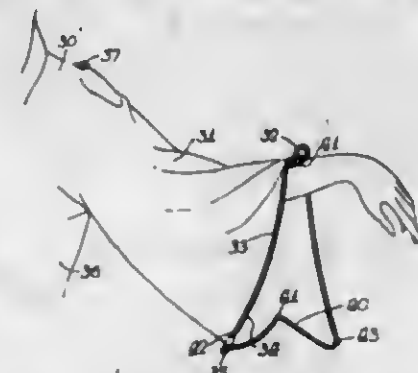
1. A reversible adjustable downwardly flaring bell-shaped sleeve construction for ladies' house-coats, house dresses, negligees, robes and other intimate wear, having a shoulder attachment, which is convertible from a full length sleeve to a half length sleeve by doubling, telescoping and closing the lower portion below the elbow of the wearer when in full sleeve position upwardly around and over the upper portions of the sleeve above the elbow of the wearer and

JANUARY 27, 1953

GENERAL AND MECHANICAL

927

which in full length sleeve position takes the form of a single frusto-conical enclosure, the outer portion of said enclosure being unslit and said enclosure having a longitudinally slit portion along the inner portion thereof and said enclosure when doubled back to half length forming a double enclosure upon the upper arm of the wearer with the lower end of the extended sleeve below the elbow of the wearer being reversed and

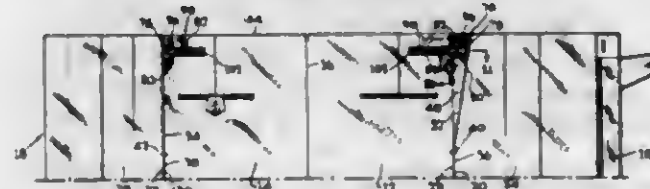


attached to said shoulder attachment at the top of the shoulder of the garment and fastener means positioned at the lower bottom edge of the sleeve when fully extended in full sleeve length and said fastener means serving to engage the shoulder attachment when converted into half sleeve position and to close together the slit portion of the sleeve.

2,626,397

TROUSERS CONSTRUCTION

David Lewis, Forest Hills, N. Y., assignor to David Lewis, Mac Lewis and Arthur P. Lindsay, doing business under the firm name and style of Esquire Sportswear Company, New York, N. Y.
Application July 23, 1949, Serial No. 106,369
4 Claims. (Cl. 2-237)



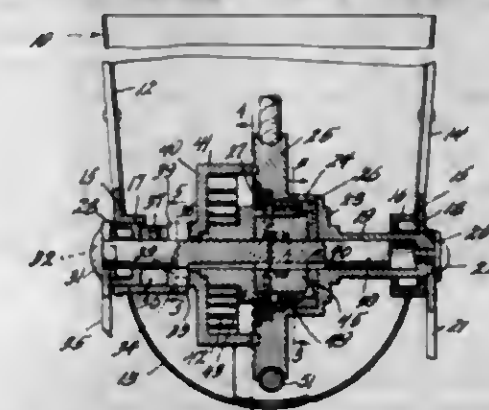
1. A construction for trousers, including a waist portion for encircling the waist of a wearer, the waist portion comprising a pair of distinct outer and inner panels dimensioned to terminate at substantially the same vertical level and each terminating in a free top edge at the same vertical level, the panels having a waistband curtain secured thereto immediately at the free top edges thereof, the edges of the panels being secured together up to a position short of said free top edges and being free above said position to provide free side edges for the panels the panels being disposed above said position so that the outer panel has an overlap extending over the inner panel, an elastic member secured to the outer panel and positioned between the outer panel and the curtain and extending from between the curtain and the outer panel through an opening in the curtain to engage the free side edge of said inner panel, the overlap extending over and beyond the free side edge of the inner panel, said overlap carrying at its free side edge a section of an adjusting device, the other section of the adjusting device being disposed on the outer face of the inner panel and at least in part concealed by the overlap, the sections being constructed for ready separation and engagement, the sections being engageable to move relatively to each other to adjust the degree to which the

panels may separate, the sections providing means for fixing them in an adjusted position to prevent separation of the panels while permitting limited movement of the panels over each other under control of the elastic member.

2,626,398

ARTIFICIAL ARM

Charles R. Grindle, Winona Lake, and Franklin I. Saemann, Bourbon, Ind., assignors to Orthopedic Equipment Co., Bourbon, Ind.
Application August 28, 1950, Serial No. 181,810
10 Claims. (Cl. 3-12.2)

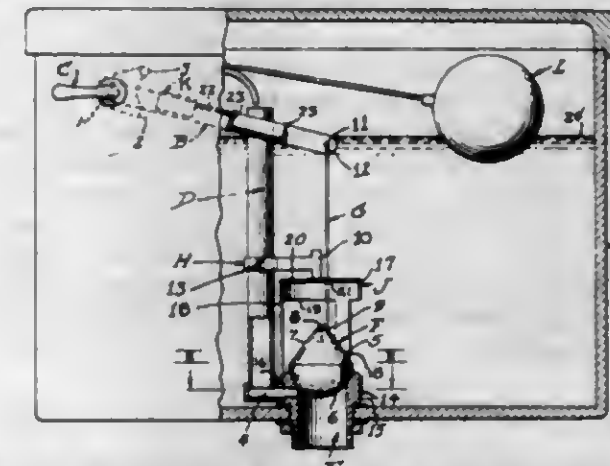


1. An artificial arm for use by persons having an upper arm amputation, said artificial arm including an upper arm section for support on the stump of the amputation and a lower arm section, pivot means carried by the lower end of the upper arm section and supporting the lower arm section, said pivot means connecting said sections, said pivot means including a two-part shaft having its parts axially aligned, clutch means including a friction clutch for connecting said parts, said clutch means including clutch elements mounted in coaxial relation on the respective shaft sections, a connection between one of said parts and the lower arm section arranged to cause biasing of said lower arm section upon rotation of the last mentioned part, and a spring having its ends engaging said parts and urging the second of said parts to rotate in the direction of the first part when biasing the lower arm section.

2,626,399

VALVE CLOSING MECHANISM FOR WATER CLOSETS

Athol E. Blair, Santa Cruz, Calif.
Application January 30, 1951, Serial No. 208,526
2 Claims. (Cl. 4-57)



1. In a device of the type described; the combination with a water outlet pipe for a flush tank and having a valve seat therein; an overflow pipe having a portion communicating with the outlet pipe at a point below the valve seat; and a guide arm mounted on the overflow pipe; of a valve cage having a ring-shaped lower end fitting

snugly on the outlet pipe adjacent to the valve seat and having a recess for receiving the communicating portion between the overflow pipe and the outlet pipe, the recess having two opposed walls for contacting with the adjacent outer surfaces of the communicating portion for positioning the cage properly on the outlet pipe and preventing any rotative movement therebetween; a buoyant flush-valve mounted in the cage and being free to reciprocate vertically in the cage; said cage having a top for limiting the upward movement of the flush-valve therein; a valve stem having a loose connection laterally and longitudinally of the stem permitting a substantially universal movement with the flush-valve; the top of said cage having a slot for slidably receiving the stem; the guide arm being secured in adjusted position on the overflow pipe, with the guide arm contacting with the top of the cage for holding it down upon the outlet pipe; and means for raising the stem for lifting the flush-valve off from the valve seat.

2,626,400

FLUSHING VALVE FOR TOILET TANKS

James Castellano, New York, N. Y.

Application October 24, 1950, Serial No. 191,791

4 Claims. (Cl. 4-67)



1. The combination of a flush tank having a discharge outlet, a valve means for controlling the discharge of water through said outlet, said means including a valve stem having its upper end provided with a pair of axially aligned stop members, and longitudinally spaced manual means for moving the valve and its stem between the valve open and closed positions at will, said latter means including a pivoted lever and a link carried thereby, said link having its lower end formed with an eye slidably mounted on the valve stem between said stop members and having a lost motion relation to said stop members, said manual means being operative to raise the stem toward its valve-open position by cooperation of the link eye with the upper stop member for normal flushing operation, said manual means being operative at will to prematurely close the opened valve by pressure engagement between the link-eye and the lower stop member to thereby forcibly move the valve and its stem to valve-closed position.

2,626,401

WATER-SAVING DEVICE FOR FLUSH TANKS

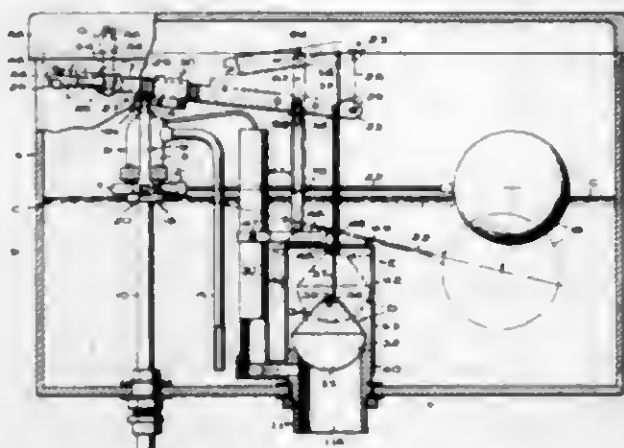
Athol E. Blair, Santa Cruz, Calif.

Application April 2, 1951, Serial No. 218,750

4 Claims. (Cl. 4-67)

1. The combination with a flush tank having an inlet pipe for delivering water thereto, and an outlet fitting for discharge of water therefrom; a float-operated valve connected to the

inlet pipe and having an operating rod extending therefrom on which a float is secured for controlling inflow of water to the tank; a discharge valve arranged to seat upon and coacting with the outlet fitting to control outflow of water from the tank; and a pivotally-mounted flushing lever arranged to be moved between lowered and raised positions; of a water-saving device comprising: a stem having a lower end attached to the outlet valve, and an upper end anchored to the lever so that the stem will unseat the outlet

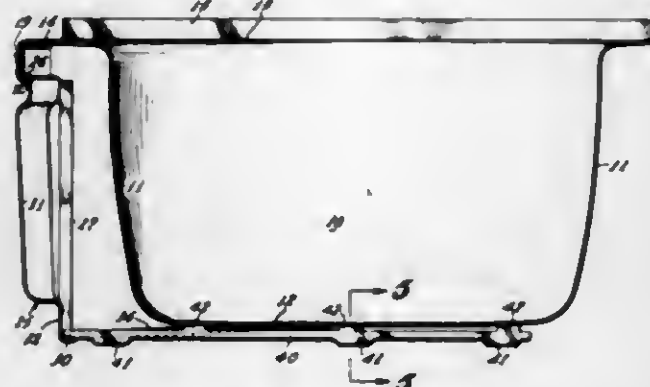


valve when the lever is raised; the flushing lever being substantially balanced about its pivot and the outlet valve having sufficient buoyancy to automatically maintain the stem and lever in their raised positions until the water level descends to a predetermined point during a flushing operation; and means actuated by the flushing lever and movable thereby for engaging with the operating rod of the float-operated valve for maintaining this valve in closed position until the flushing operation has been substantially completed and the outlet valve descends.

2,626,402

PRESSED STEEL BATHTUB

James C. Baker, South Gate, and John C. Buchanan, Whittier, Calif., assignors to Norris-Thermador Corporation, a corporation of California

Application April 20, 1950, Serial No. 157,026
6 Claims. (Cl. 4-173)

1. A drawn sheet metal bathtub comprising a sump having an outwardly directed horizontal flange along one side thereof, a downwardly directed apron at the periphery of said flange and an intumed lip on the edge of said apron, said flange, apron, and lip defining a handrail extending along said side, a depending skirt having an outwardly directed flange along the upper edge thereof overlapping and secured to said lip to effect a joint preventing water from entering the interior of the tub structure, said skirt having an embossed central section, the marginal edges of said skirt along the bottom edge and the two ends being flat and lying in a common verti-

cal plane, a supporting leg structure secured beneath said sump and having a brace portion secured to said skirt and supporting the lower edge of said skirt above the lower extremity of said leg structure, whereby when the tub is installed, the lower edge of the skirt is spaced from the floor by a distance greater than the thickness of linoleum and less than the thickness of tile.

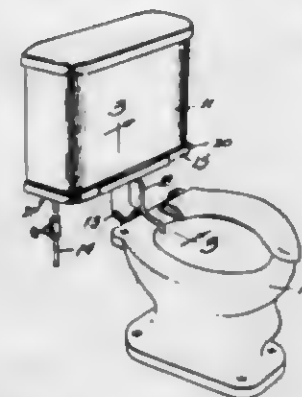
2,626,403

MOISTURE COLLECTOR FOR FLUSH TANKS

Stanley H. Butow, Wilmette, Ill.

Application July 28, 1948, Serial No. 41,092

12 Claims. (Cl. 4-252)



1. In a moisture collector for flush tanks the combination of a U-shaped member having up-standing flanges around the outer perimeter of the base and the two legs thereof, a clamp mounted adjacent the inner perimeter of said base part of said member adapted to secure said member to the tank outlet under and contiguous to the bottom of said tank, and a plate provided with recesses extending rearwardly from the front edge to receive the water-supply and -outlet pipes for said tank respectively and permit said plate to be superimposed on said member inwardly of said flanges when said member is attached to said tank outlet.

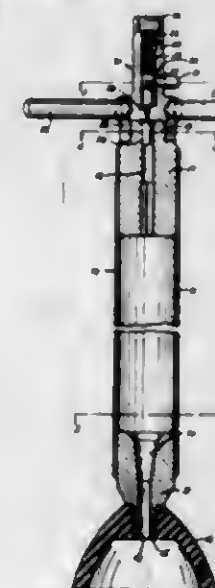
2,626,404

SEWER OBSTACLE REMOVER

Robert V. Marks, Cleveland, Ohio, assignor to Marie Moller, Parma, and Vincent G. Pimsner, Cleveland, Ohio, copartners, doing business as Quality Engineering Company

Application July 9, 1947, Serial No. 759,800

2 Claims. (Cl. 4-255)



1. A device for clearing clogged pipes or the like comprising an elongated straight hollow member having open ends, a breech member

closing one end of said hollow member, said breech member having an opening therethrough communicating with the interior of said hollow member and adapted to receive an explosive cartridge, a muzzle member closing the other end of said hollow member and having an opening therethrough continuously communicating with the interior of said hollow member, hollow resilient means surrounding the outer end of said muzzle member and adapted to engage about an opening of the pipe to be cleared in sealing relationship to provide unobstructed communication between the interior of said pipe and the opening in said muzzle member, handle means for said device adjacent said breech member, firing mechanism supported by said breech member including a movable member adapted to engage and fire a cartridge placed in said breech member, spring means normally urging said movable member into engagement with a cartridge placed in said breech member, a manually actuable means connected with said movable member for withdrawing the latter from engagement with the cartridge against the force of said spring means, and means adjacent said handle means for releasably retaining said movable member in said withdrawn position.

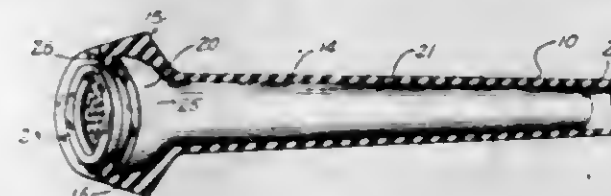
2,626,405

DRAIN FLUSHER AND CLEANING DEVICE

Mildred C. Keith, Miami, Fla.

Application February 20, 1950, Serial No. 145,269

1 Claim. (Cl. 4-256)



A flushing and cleaning apparatus comprising a rubber hose having one end adapted to fit on the spout of a faucet, the other end of the hose being expanded progressively to form a tapered portion, a cup-shaped head connected to the larger end of the tapered portion, said head being formed of rubber and having an interior annular rib, a metal cup-shaped member fitted into the head and having a peripheral groove for receiving said rib, said metal cup-shaped member having a reduced portion projecting beyond the base of the head, a flexible cleaning element mounted upon the exterior surface of the projecting portion of the metal cup-shaped member, and said metal cup-shaped member having a tapered tube disposed within the tapered portion of the hose being of substantial length to provide a rigid handle portion.

2,626,406

SOFA BED PROVIDED WITH AUTOMATIC MATTRESS-CLAMPING MEANS

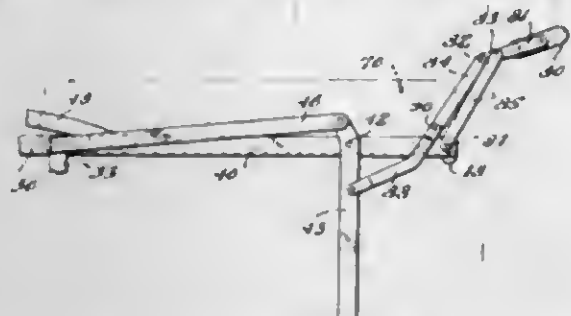
John M. Pokorny and Louis Pokorny, Jr., Ronkonkoma, N. Y.

Application May 18, 1950, Serial No. 162,694

4 Claims. (Cl. 5-53)

1. In a sofa-bed, a frame foldable to define a sofa and unfoldable to define a bed, said frame comprising companion members at each side constituting sections, one of said sections being an end section which defines the seat of the sofa when the frame is folded and swings to an outer horizontal position when the frame is unfolded, a mattress-clamping board extending transverse-

ly across the frame adjacent to the free end of said section, and a means for drawing said board toward said section when the frame is folded and moving it away from said section when the frame is unfolded, said means including a pair of links extending side-by-side between said board and section, the links being articulated to



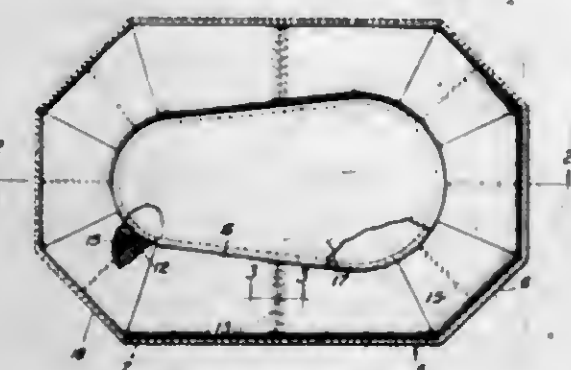
said board at pivot points lying substantially in a plane parallel with the top surface of said board, a leg pivoted to said section and lying along side said section when the frame is folded, means for moving said leg to a position at right angles to said section when the frame is unfolded, and an actuating member extending between said leg and one of said links.

2,626,407

FOLDING INFANT'S CRIB

John L. Kurry, Albany, N. Y., assignor of forty-nine per cent to Stanley E. Trimble, Watervliet, N. Y.

Application November 17, 1948, Serial No. 60,471
1 Claim. (Cl. 5-99)



A folding crib comprising a pair of U-shaped rigid bottom members having the ends thereof disposed in registry with each other, means attached to the registering ends of said bottom members hingedly connecting said members to each other, abutment plates carried by the ends of each of said bottom members, a pair of flexible webs each having the sides thereof secured to the edges of said U-shaped bottom member, said webs being looped intermediate the sides thereof and a soft filler interposed between said web and said bottom members, the ends of each of said webs being secured to said abutment plates.

2,626,408

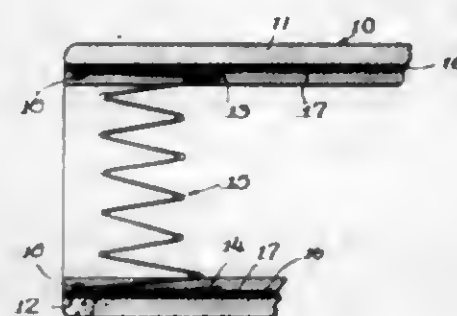
COMBINED INNERSPRING AND RUBBER MATTRESS

Arthur Wesley, Palos Park, Ill., assignor to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware

Application September 14, 1950, Serial No. 184,853
7 Claims. (Cl. 5-351)

1. A mattress comprising spaced upper and lower slabs composed of foam rubber and a pad of sisal fibers embedded in the foam rubber, and

innerspring coils projecting between said slabs and having their opposite ends embedded in the



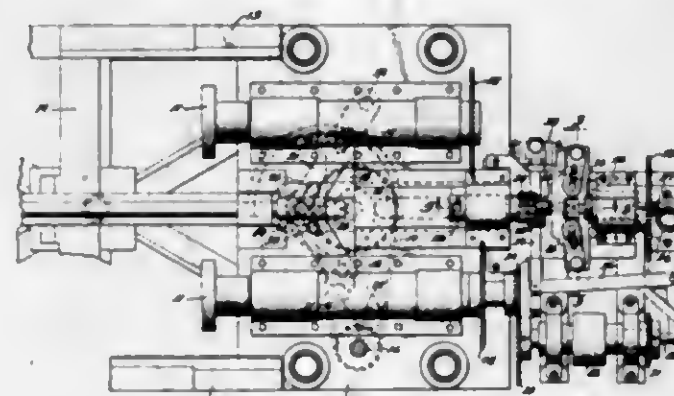
rubber of the slabs with each end of these coils resting against a pad in the spaced slabs.

2,626,409

FEED MECHANISM FOR NIPPLE THREADING MACHINES AND THE LIKE

George B. Marsden, Chicago, Ill., assignor to Chicago Nipple Manufacturing Company, Cicero, Ill., a corporation of Delaware

Application February 23, 1951, Serial No. 212,355
10 Claims. (Cl. 10-105)



1. In a feeding mechanism for nipple threading machines and the like having a frame, feed means comprising a device mounted on the frame to produce a lineal movement, a slide slidably mounted on the frame and connected to the device to be moved thereby, a lever pivoted on the frame and having a pivotal connection with the slide to be swung thereby as the slide is moved and a connector member having a pivotal connection with the lever and adapted to be connected to a carriage to move it, one of the pivotal connections being adjustable lengthwise of the lever to vary the rate of movement of the connector member relative to the rate of movement of the device.

2,626,410

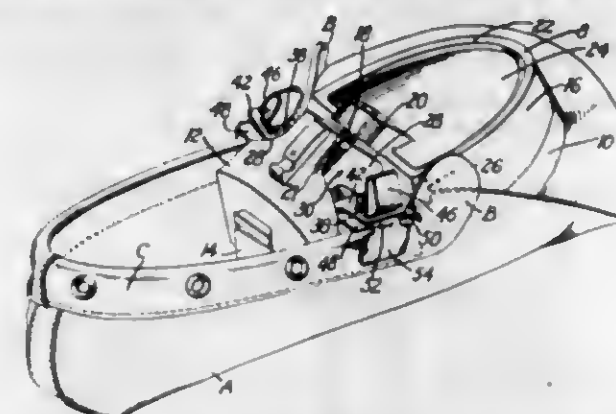
COMBINATION FORM AND CLAMP FOR SHAPING SHOE UPPERS

Fred Ashworth, Wenham, and Ernest E. Chase, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 12, 1951, Serial No. 231,144
10 Claims. (Cl. 12-103)

1. The combination of a form for shaping a shoe upper, a resilient clamping member mounted on said form and having a base portion, a looped portion extending heightwise thereof, and an arm arranged to overhang an upper mounted

on the form, and means cooperating with said resilient member for bending said looped por-

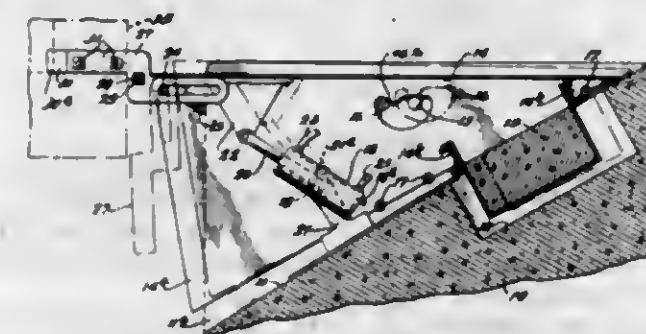


tion to force its overhanging portion toward the form to clamp the upper against said form.

2,626,411

DOCK BRIDGE

William E. Palmer, Downers Grove, Ill.
Application April 23, 1949, Serial No. 89,313
12 Claims. (Cl. 14-71)

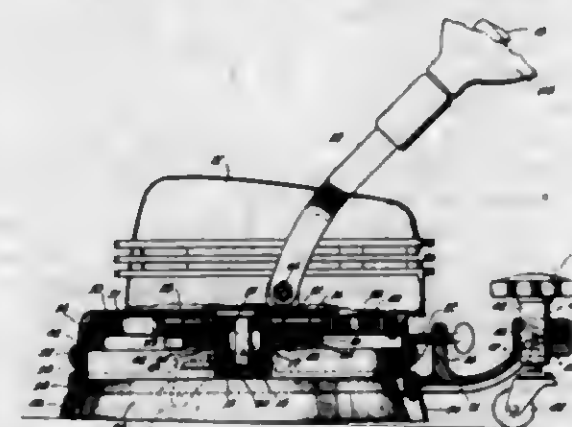


1. Grappling mechanism on a movable dock bridge comprising a transverse bar secured to the bridge and a pair of hooks slidably mounted thereon, said hooks being pivoted to permit their being dropped to hang from the bar when not in use, said hooks being also joined by a telescoping member extending transversely of the bridge across the space between the hooks to fill a portion of the gap between the bridge and the car when the hooks are securing the bridge to a car-door opening.

2,626,412

RUG SCRUBBING MACHINE

William L. Petersen, West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan
Application April 12, 1948, Serial No. 20,390
3 Claims. (Cl. 15-50)



2. In a rug scrubbing machine having a main frame, the combination of a brush housing on said frame, a flat circular scrubbing brush hav-

ing a relatively rigid back plate rotatably mounted in said housing, with the bristles of the brush extending downwardly therefrom, and with a circular rim on the housing surrounding the rigid back plate of said brush; means for rotating the brush, and a supporting cradle constructed and arranged to hold the bristles of the brush above a floor and in predetermined fixed angular relationship therewith; said cradle consisting of a circular ring having a pair of feet on opposite sides thereof, an outward extension projecting therefrom, and a caster on said outward extension; with an adjustable ring tilting support constructed and arranged to raise and lower one side of said ring with respect to said caster; said tilting support being mounted on said ring and including a manually operable hand control thereon; the ring having a flexible skirt surrounding the brush, and having on its upper surface an annular surface receiving the rim of the brush housing, together with manually releasable means securing the rim of the brush housing in position on the ring.

2,626,413

FOUNTAIN BRUSH FOR SANITARY PIPE WASHING EQUIPMENT

Paul K. Gilron, Millville, Pa.
Application November 21, 1949, Serial No. 128,531
1 Claim. (Cl. 15-128)



A fountain-type brush for use in connection with a sanitary pipe washing tank and rack construction of the class described comprising a core assembly embodying an outer barrel internally screw-threaded at one end and closed at the other end, said barrel having water discharge ports and also having a plurality of pairs of diametrically opposite holes for passage and partial retention of individual tufts of bristles, a sleeve telescoping concentrically and shiftably in said barrel and also having water discharge ports and pairs of diametrically opposite holes for reception, passage and retention of said tufts, a plurality of tufts of bristles, each tuft being lodged in complementary pairs of holes in the sleeve and barrel, respectively, the intermediate portion of each tuft bridging the bore in said sleeve and a screw-plug threaded into said barrel in end thrust contact with an adjacent end of said sleeve, said plug serving to shift the sleeve, relative to the barrel, to slightly disalign the respective barrel and sleeve holes, whereby to flex the intermediate portions of the tufts so that the latter are thus clinched and clamped by the hole disalignment of said barrel and sleeve.

2,626,414

BRUSH AND METHOD OF MAKING SAME
Brooks E. Nelson, Cleveland, and Ruben O. Peterson, University Heights, Ohio, assignors to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application July 13, 1948, Serial No. 38,374
26 Claims. (Cl. 15-182)

1. As a new article of manufacture, a brush element comprising a length of brush strip hav-

ing a unitary channel shaped back circularized about an axis substantially parallel to the sides of said back, said strip having a wire retaining member disposed lengthwise within said back, brush material secured in said back by said re-

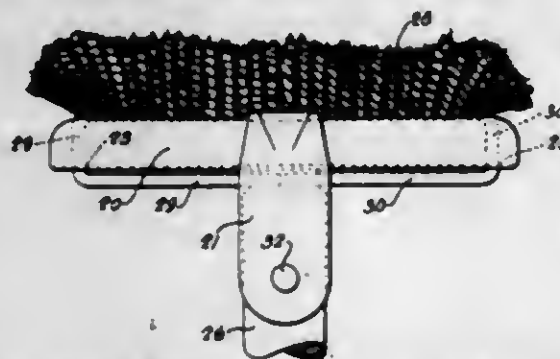


taining member, and teeth projecting from that side of said circularized back on the inner side of the curve and overlying said wire retaining member, both sides of said back sloping toward each other.

2,626,415

MOP HOLDER

Henry J. Logel, Dayton, Ohio

Application December 5, 1947, Serial No. 789,957
2 Claims. (Cl. 15-229)

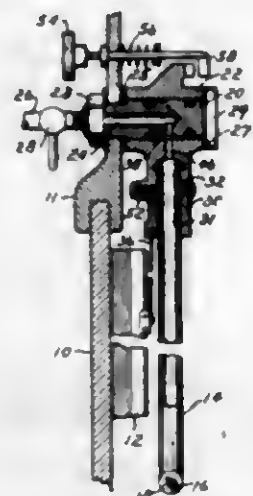
2. A mop comprising in combination, a head member V-shaped in cross section, presenting converging sides, a plate extending from each side, the plates being concaved and bent toward each other and cooperating to form a cylindrical receptacle on the head member; cords placed transversely of the head member; an open loop ball one portion of which is placed over the cords to press and hold them in the head member, said ball extending through openings in the head member and having bent portions extending along the outer, apex portion of the V-shaped head member so that the ends of the ball are contiguous within the confines of the receptacle formed by the bent plates; and a handle fitting into said receptacle, the end of the handle engaging the contiguous ends of the ball, said handle being secured in the receptacle to prevent its removal therefrom.

2,626,416

AIR PRESSURE OPERATED WINDSHIELD WIPERThomas J. Turek, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application May 3, 1950, Serial No. 159,796
12 Claims. (Cl. 15-253)

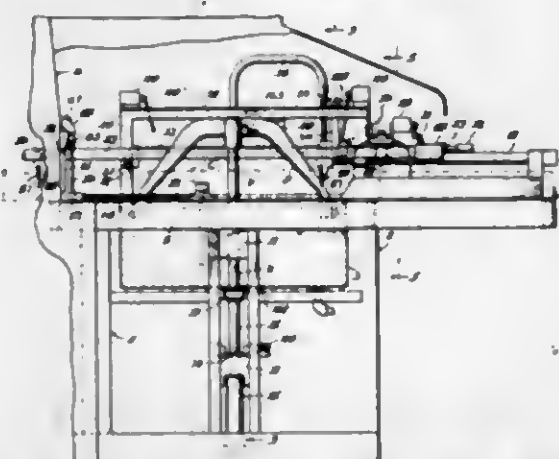
1. A windshield wiper comprising a support having a shaft fixedly mounted thereon, a housing pivotally mounted on the shaft, a windshield wiper blade secured to the housing, a reaction jet tube rotatably carried by the housing and having an angularly directed end portion provided with an orifice, means for supplying compressed air to said tube so that the reaction of the compressed air exhausted from the orifice will move the tube, housing and blade in one direction about said shaft when the tube occupies one position with respect to the housing, means

for reversing the position of said tube with respect to the housing when the tube, housing and blade have moved to a selected position in said one direction in order to cause movement of the tube, housing and blade in the opposite direc-



tion, and means for again reversing the position of said tube with respect to the housing when the tube, housing and blade have moved to a selected position in said opposite direction so that the tube, housing and blade will again be moved in said one direction.

2,626,417

APPARATUS FOR REMOVING EXCESS FLUXING LIQUID FROM RADIATOR CORESGeorge H. Truran, La Porte, Ind., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application January 2, 1947, Serial No. 719,765
7 Claims. (Cl. 15-304)

1. In an apparatus for removing excess fluxing liquid from a radiator core, comprising a plurality of spaced tubes connected by a plurality of spaced fins, the combination of a supporting member upon which a fluxed core is adapted to rest, an air discharge pipe, mounted for reciprocation across an end of said core on which said tubes open, and adapted to communicate with a source of air under pressure for discharging air into the ends of such tubes during reciprocation of said pipe, and a second air discharge pipe, mounted for movement independently of and relative to said first pipe across the fin edges of such a core and adapted to communicate with a source of air under pressure for discharging air between the fins of such a core during such movement of said second pipe, the planes of movement of the respective pipes being transverse to each other with the respective pipes being movable in substantially parallel directions, and respective means for alternately moving the respective pipes across such a core.

2,626,418

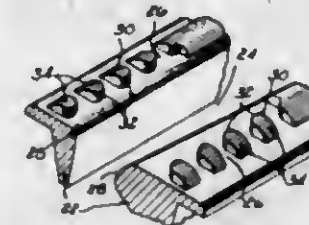
NOZZLE CASING FOR BROOM-TYPE VACUUM CLEANERS

George M. Kelly, Sturgis, and Clement M. Leatherman, Bronson, Mich., assignors, by mesne assignments, to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana

Application September 10, 1948, Serial No. 48,576
4 Claims. (Cl. 15-352)

1. In a rigid broom-type vacuum cleaner, the improvement comprising, a nozzle casing having an inlet duct and a bottom dirt-removal opening, and a valve comprising a flexible sheet of resilient material having formed therein an arcuate groove and a pair of stiffener shoulders, said valve having its arcuate groove attached to a correspondingly shaped abutment of said nozzle casing located between said inlet duct and said bottom opening, thereby dividing said nozzle casing into an inlet portion and a dirt-collection portion, said valve being flexibly displaced by the flow of inlet air to admit dirt and other foreign objects, but being resiliently returnable to its normal position upon cessation of flow of inlet air to prevent entry of dirt into said inlet duct, and a door means to close said dirt-removal opening.

2,626,419

VACUUM CLEANER NOZZLE AND COMBING TOOTH CONSTRUCTION THEREFOROscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application June 6, 1950, Serial No. 166,382
2 Claims. (Cl. 15-402)

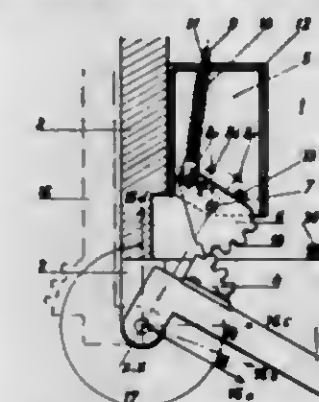
1. A vacuum cleaner suction nozzle comprising an elongated hollow body member including a pair of lengthwise extending spaced walls defining a suction slot therebetween, said walls having on the lower ends thereof generally horizontally disposed surfaces on opposite sides of the mouth of said slot, each of said surfaces having a row of relatively stubby combing teeth spaced apart longitudinally thereof and said teeth having vertically disposed and convexly curved inner ends spaced from said slot, the bottom surfaces of said teeth being inclined upwardly and outwardly into said horizontally disposed surfaces.

2,626,420

DEVICE FOR THE AUTOMATIC RETURN OF DOORS AND THE LIKE PIVOTING MEMBERSHenri Jacques Marc Lambert, Sevres, and Georges Paul Mongin, Saint-Gratien, France
Application April 13, 1949, Serial No. 87,172
In France February 23, 1949
6 Claims. (Cl. 16-79)

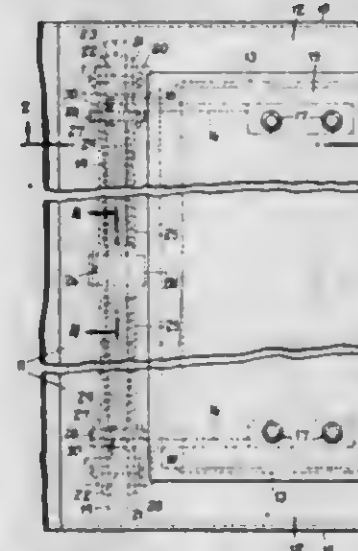
1. In a door closer for a door hingedly secured to a piece of furniture or wall or the like sta-

tionary member, the provision of a tumbler system including a pivot on the member to be closed by the door parallel to the pivoting axis of the door, a lever pivotally carried by said pivot, spring means associated with said lever for urging said lever away from a neutral position of alignment to either side thereof, a stop for engaging and thereby limiting the movement of the lever beyond a predetermined point on one side of the neutral position, a stop arresting the movement



of the door in its closed position and consequently of the lever for a predetermined position of said lever on the side of its neutral position opposed to the first mentioned stop and interengaging means on the door and lever, through which the angular movement of the door between predetermined limits corresponding to the stops provides for the rocking of the lever to either side of its neutral position, the action of the interengaging members on one another ceasing when the lever meets the first mentioned stop.

2,626,421

HINGE STRUCTUREGeorge W. Lyons, North Guilford, Conn.
Application July 22, 1950, Serial No. 175,432
4 Claims. (Cl. 16-135)

1. A hinge structure to a door or other cover adapted to be swung between open and closed positions, which structure comprises: a shaft; a pair of supporting brackets; journal means carried by said brackets for rotatably supporting said shaft; a circumferential flange fast with said shaft and having its plane disposed substantially perpendicularly to the axis of the shaft, said flange being provided with a plurality of holes extending in an axial direction there-through and spaced circumferentially about said shaft, a spring helically coiled about said shaft, one end of said spring being adapted to be secured to a stationary member to prevent unrestrained rotation of said spring with said shaft, the other end of said spring being secured to

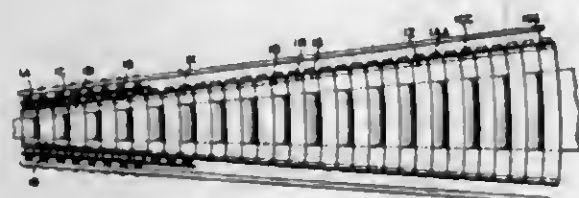
said flange to effect the winding and unwinding of said spring with rotation of said shaft; a hinge arm having an aperture at one of its ends within which said shaft is rotatably received, said arm having means at its opposite end for engaging a cover whereby as the latter is swung between its open and closed positions said arm is pivoted about the axis of said shaft; said arm being positioned on said shaft adjacent said flange and having an aperture adapted and arranged to move into register with successive holes in said flange upon relative rotational movement between said arm and flange; and a locking pin passing through the aperture in said arm and into a registering hole in said flange to prevent such relative rotational movement, whereby said torsion spring is arranged normally to exert a relatively large force on said cover in a direction tending to raise the latter when in its closed position and to exert a lesser force thereon tending to hold it open once said cover has been moved to its open position.

2,626,422

LATERAL STRETCHING OF THERMO-ELASTIC FILMS

Meindert Lammertse, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application February 28, 1950, Serial No. 146,689
10 Claims. (Cl. 18-1)



1. The method of stretching thermo-elastic film which comprises heating it and while in a heated condition maintaining it in contact with one expanding surface and after it has been stretched by contact with that surface, bringing it into contact with another expanding surface and thereby further stretching the film and maintaining the film which is stretched in contact with one of said surfaces at all times from the start to the finish of the entire stretching operation.

5. A stretching member which comprises an arcuate shaft of uniform circular cross section throughout and having rotatably mounted thereon adjacent one another a plurality of circular discs, each disc being of the same diameter and having a circular central opening just larger than the shaft through which the shaft passes, the discs all being thicker at the opening than at their circumferences, tapering toward their circumferences, and touching on the shorter side of said member only.

2,626,423

AUTOMATICALLY CONTROLLED CALENDER

Jack B. Collins, Isleworth, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

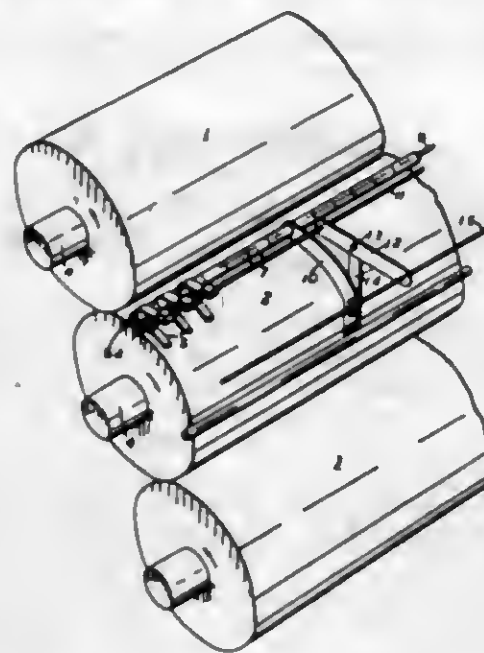
Application June 11, 1948, Serial No. 32,402

In Great Britain June 17, 1947

2 Claims. (Cl. 18-2)

1. In a calender, an electrical circuit for detecting discontinuities in a calendered layer of relatively soft, gummy, insulating material as it passes through the calender, said circuit comprising one of the rolls of said calender and a

plurality of independently movable contact members pivotally mounted about an axis adjacent to said roll, each member having a flat blade portion extending from said axis in the direction of rotation of said roll and having wiping contact with said layer over a substantial area.



means to urge said members in the direction of said one roll, said members being adapted to contact the said one roll whenever said coating becomes discontinuous to energize said circuit, and means adapted to control the operation of said calender upon the energization of said circuit.

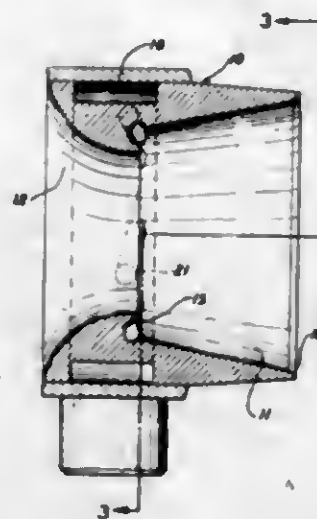
2,626,424

METHOD AND APPARATUS FOR PRODUCTION OF MINERAL WOOL

Charles W. Hawthorne, Jr., Cucamonga, Calif., assignor to Mineral Wool Insulations Company, Fontana, Calif., a company of California

Application July 8, 1950, Serial No. 172,692

5 Claims. (Cl. 18-2.5)



1. In apparatus for producing mineral wool, the combination which comprises a chamber in which the wool is formed by blasting molten mineral with high velocity gas, a throat opening into the chamber for sucking the molten mineral into the chamber, and a plurality of gas passages disposed around the throat and opening forward into the chamber, the passages being slanted transverse to the axis of and in the same direction around the throat so that gas which is injected into the chamber through the passages describes a spiral path in the chamber.

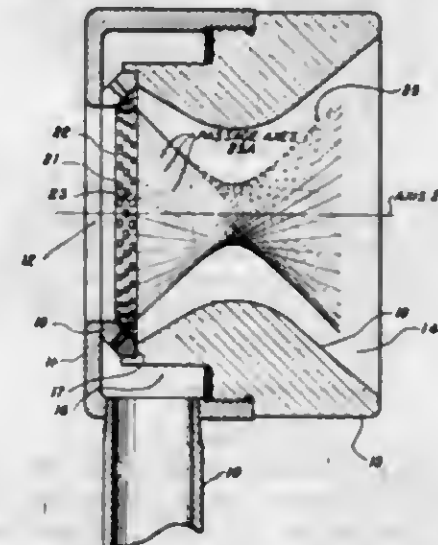
2,626,425

APPARATUS FOR THE PRODUCTION OF MINERAL WOOL

Charles W. Hawthorne, Jr., Cucamonga, and Charles T. Sauers, Ontario, Calif., assignors to Mineral Wool Insulations Company, Fontana, Calif., a company of California

Application April 13, 1951, Serial No. 220,859

10 Claims. (Cl. 18-2.5)



1. In apparatus for producing mineral wool by blasting a stream of molten mineral in a gas stream, the combination which comprises a chamber in which the blasting occurs, a throat opening into the chamber for introducing the stream of molten mineral to be blasted, and a plurality of passages arranged around the throat where it opens into the chamber for directing streams of gas into the chamber ahead of the throat, the axes of the passages being so oriented that they converge forward and lie in a hyperboloid of revolution ahead of the throat.

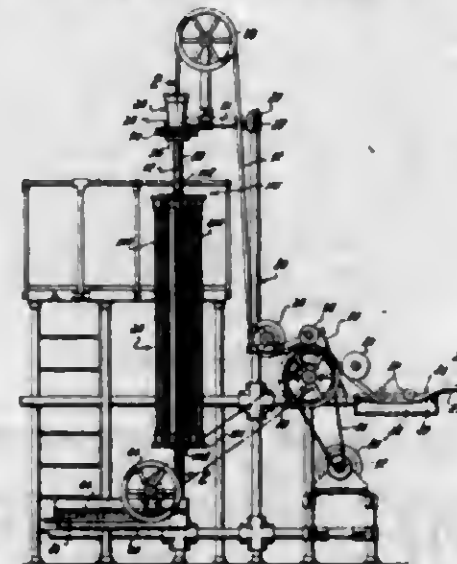
2,626,426

COATING METHOD AND APPARATUS FOR PLASTIC TUBING AND THE LIKE

Oscar C. Stahl, Los Angeles, Calif., assignor to American Extruded Products Co., Inc., Hollywood, Calif., a corporation of California

Application April 29, 1950, Serial No. 158,956

12 Claims. (Cl. 18-4)



1. A tubing manufacturing apparatus including: means for continuously forming a plastic tubing; conveyor means adjacent said forming means, said conveyor means including pulley means for lowering said tubing gravitationally in a vertical path to convey said tubing vertically to a level different from that at which said forming means is disposed; coating means disposed below said pulley means on said vertical

path for receiving and coating said tubing during its gravitationally induced movement along said vertical path; and means for setting a coating on said tubing disposed immediately below said coating means and along said vertical path.

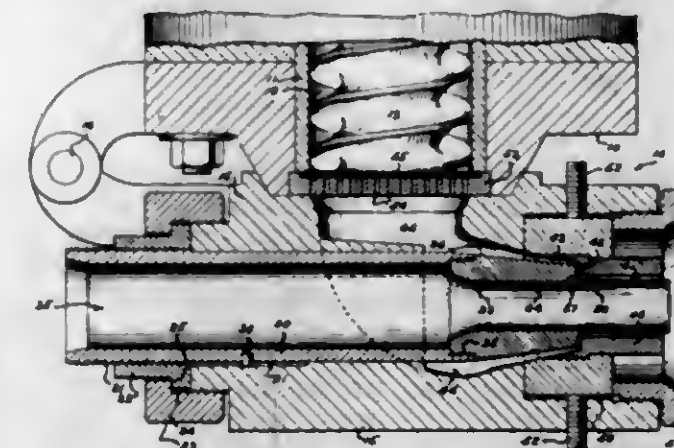
2,626,427

APPARATUS FOR CONTROLLING THE PLASTICITY OF EXTRUDABLE MATERIALS IN AN EXTRUDING APPARATUS

Grant S. Brown, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 31, 1950, Serial No. 141,540

5 Claims. (Cl. 18-13)



1. Apparatus for controlling the plasticity of extrudable thermoplastic materials being extruded on a core comprising an axially adjustable core tube having an annular outwardly extending shoulder thereon, a portion of the surface of which is substantially perpendicular to the axis of said tube, and having an elongated extension of reduced diameter, a die positioned in constant spaced telescoping relationship with said core tube extension and having an annular shoulder formed thereon, a portion of the surface of which is substantially perpendicular to the axis of said die and facing the said perpendicular portion of the core tube, thereby forming an annular orifice in cooperation with said first-mentioned shoulder through which the extrudable materials may pass, and means for adjusting one of the core tube and the die longitudinally with respect to the other to adjust the size of said annular orifice.

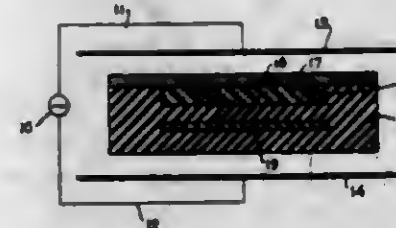
2,626,428

HEAT TRANSFER CORRECTOR FOR ELECTRONIC MOLDS

George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 8, 1948, Serial No. 53,510

12 Claims. (Cl. 18-38)

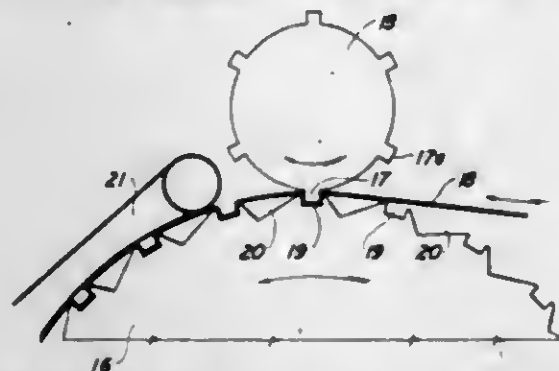


1. A mold for containing and forming rubber or rubber-like articles while said articles are being treated by high-frequency electrical energy, said mold comprising an outer portion of substantially pure gum rubber and an isolated inner component of rubber containing a filler, said inner component adapted for heat generation when the mold is exposed to an alternating electric field.

2,626,429 METHOD OF MAKING STORAGE BATTERY SEPARATORS

Edward Wilson Merrill, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

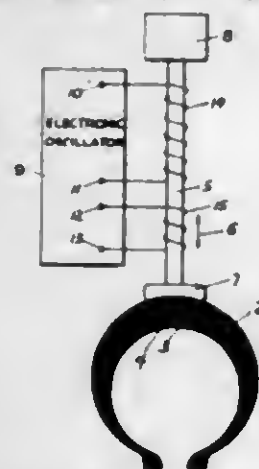
Application March 17, 1952, Serial No. 276,950,
6 Claims. (Cl. 18-47.5)



1. That process of manufacturing separators for storage batteries which comprises the following steps: impregnating a felted web with a solution of an acid-resistant, thermosetting resin, drying the web, forming ribs by distorting the web to form ribbed portions lying in a plane above the remaining areas of the web, curing only the resin in the ribs under heat and pressure while maintaining the areas in the web designed to be permeable to electrolyte entirely out of contact with the heated pressure-imparting body, applying a solution of resin to the surface of the ribs only, then curing simultaneously the resin applied to the ribs and the resin contained in the electrolyte permeable areas by heating the web, while maintaining the web out of contact with a pressure-imparting body.

2,626,430 VULCANIZING

John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 10, 1946, Serial No. 689,728
6 Claims. (Cl. 18-48)



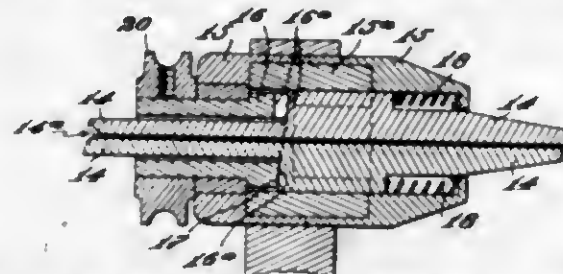
5. The method of bonding a body of uncured rubber to a body of cured rubber comprising subjecting said bodies to mechanical vibrations whereby said uncured rubber is heated and said cured rubber remains substantially unheated.

2,626,431 TEXTILE DRAFTING

Samuel L. Abbott, Wilton, N. H.
Application June 30, 1948, Serial No. 36,131
12 Claims. (Cl. 19-130)

1. Mechanism defining a longitudinal passage for confining a textile sliver during lengthwise

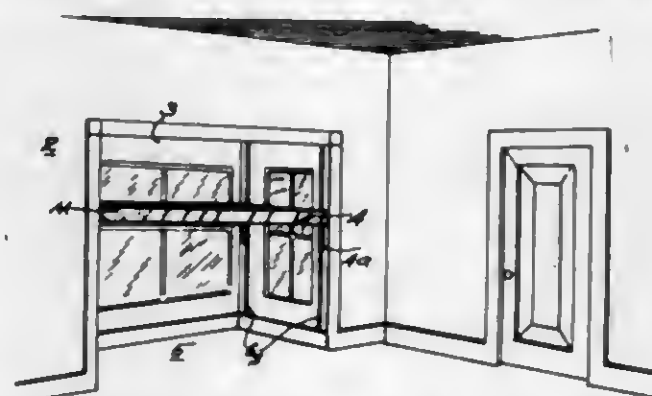
progress thereof in drafting comprising at least three members each having a sliver-engaging surface extending lengthwise of the sliver, the sliver-engaging surfaces of said members having portions coextensive as to lengthwise relation to



the sliver so as to define a passage for the sliver between their sliver-engaging surfaces, and being movable forwardly and backwardly lengthwise of the sliver in out-of-phase relation and in engagement with the sliver during both their forward and backward motions.

2,626,432 MULTIPLE SERVICE WINDOW BAY

Joseph C. Williams, Santa Monica, Calif.
Application December 30, 1948, Serial No. 68,130
1 Claim. (Cl. 20-1.11)



A multiple service window bay and bed structure comprising the combination: a building wall having at one side a room and at the opposite side a window bay and provided with a head-way opening leading from the room to the said bay, a horizontal bed in said bay having attached means for raising or lowering said bed in a constantly horizontal position from a lowered or useful position to an elevated position in the bay to be concealed from the room by said wall, the walls of the bay having guide ways at the corners of the bed, and runners on the bed having cooperative engagement with said guide ways to limit side and end shift of the bed at any position thereof; said bay and said room having a common plane floor for ready walk-in from one to the other when the bed is in position above the level of the header of the head-way opening.

2,626,433 ADJUSTABLE DOOR JAMB FOR STORM AND SCREEN DOORS

Charles S. Murch, Augusta, Maine
Application July 30, 1951, Serial No. 239,324
2 Claims. (Cl. 20-35)

1. In a door mounting, the combination which comprises, a door frame having a continuous recess in the inner edge of one side and having hinge plate receiving recesses positioned in the sides of said continuous recess, hinges mounted in said hinge receiving recesses, a door positioned in said frame, a socket U-shaped in cross section mounted on one edge of said door and positioned in said continuous recess, said hinges

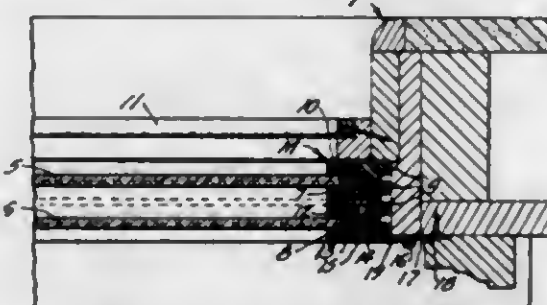
being secured to the socket, said socket having a web with legs extended at the sides and one of said legs having vertically disposed corrugations therein, an anchor plate having ridges thereon mounted in said door and positioned whereby



the ridges thereof mesh with the corrugations of the leg of the socket, and bolts extended through the socket, anchor plate, and door for retaining the door to the hinges in adjusted positions.

2,626,434 WINDOW CONSTRUCTION

Leslie C. Ike, Fargo, N. Dak.
Application May 1, 1950, Serial No. 159,177
4 Claims. (Cl. 20-53)



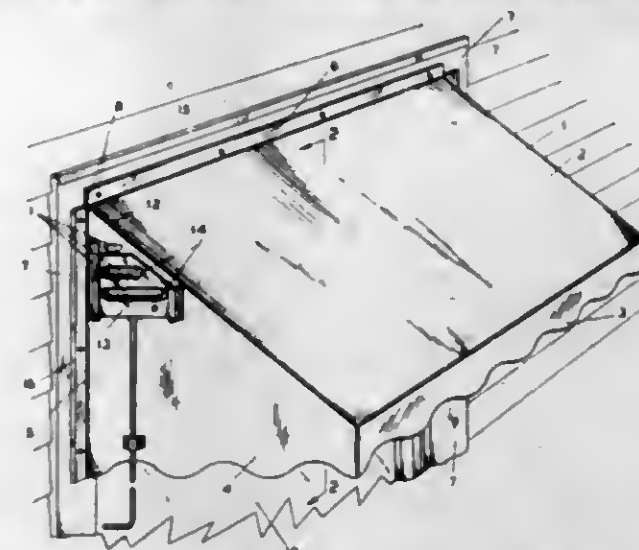
1. A window construction comprising a resilient mounting having one surface thereof provided with first means for resiliently, sealingly holding the edge portion of a glass panel, and an opposing surface provided with second sealing means for tight engagement with the inner periphery of the window frame, a reinforcing core of T-shaped cross-section extending longitudinally of and completely embedded in said mounting between said opposing surfaces and having the flange portion backing-up at least portions of both said first and second means, at least one hinge strap having a substantial portion thereof embedded in said mounting and secured to one of the flanges of said core, with the outer free end portion of the hinge strap having means for hingedly supporting the mounting on the window frame.

2,626,435 AWNING

Clayton S. Speck, Sunnyside, Wash.
Application February 18, 1950, Serial No. 144,984
1 Claim. (Cl. 20-57.5)

A metal awning comprising an inclined roof and substantially triangular vertically disposed

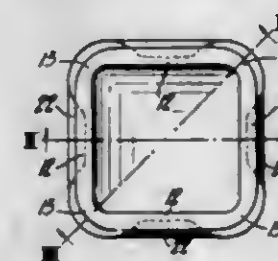
side walls at the opposite ends of said roof, said roof and side walls being substantially imperforate and having their rear edges disposed in a substantially vertical plane, means for mounting said awning with said rear edges substantially flush and air tight against a support surface, said side walls having ventilating openings in the



upper apex portion only thereof, and a shutter movably mounted on each said side wall and movable to open and close the respective ventilating openings, whereby said shutters may cover said openings to trap warm air under said awning or said shutters may be moved to uncover said openings to release warm air from under said awning.

2,626,436 INGOT MOLD

Edgar Marburg, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application September 18, 1951, Serial No. 247,047
5 Claims. (Cl. 22-139)



1. An ingot mold of substantially rectangular cross section in which the side walls are of substantially uniform thickness from bottom to top and the corner walls are of greater thickness than the side walls adjacent the bottom to accelerate solidification of an ingot in this portion of the mold, and of less thickness than the side walls adjacent the top to decelerate solidification in this later portion, as compared with solidification rates of an ingot cast in a mold of uniform wall thickness in transverse section equal to the thickness of the side walls of the described mold.

2,626,437 DETACHABLE FASTENER FOR BUTTONS AND OTHER ARTICLES

Julia Rubenstein, New York, N. Y.
Application January 31, 1951, Serial No. 208,741
13 Claims. (Cl. 24-103)

1. A detachable fastener for buttons, emblems, badges, pins, corsages and other articles, comprising a member having an axis, a second member coaxially turnably mounted on said member, a

pin for each of said members, one of said pins having a shank portion axially of and fixedly connected with one of said members and having a pointed hook portion on said shank portion and terminating in a point which is X radius of said axis, and the other of said pins having a shank portion parallel to said shank portion and fixedly connected with the other of said members at a point which is 2X radius of said



axis and also having a pointed hook portion on its shank portion, said latter hook portion terminating in a point which is X radius of said axis, in one position of said members said hook portions being parallel and spaced from each other in order that they may be easily engaged through cloth material, and in a turned position of said members said points of said hook portions touch each other in order to lock and hold a button or other article.

2,626,438

LINE-ATTACHING DEVICE

George Ruffus Powell, Beaumont, Tex., assignor of one-half to J. L. C. McFaddin, Beaumont, Tex.

Application November 2, 1949, Serial No. 125,137
1 Claim. (Cl. 24—131)



A line-attaching device comprising a unitary endless form of wire-like body having two substantially straight stiff parallel portions connected at their one ends so as to provide means for connecting a line thereto and continuing at their other ends in duplicate portions looped outwardly and integrally back upon themselves and thence in duplicate angular portions extending resiliently therefrom slightly across the plane of said straight portions in laterally diverging spaced relation thereto, thence bent back angularly and continuing to a substantial extent across the plane of and in spaced relation to said straight portions and thence bent back and extending transversely across the plane of said straight portions at a point substantially removed from said one ends of said straight portions and being connected together at their ends, with the two aforesaid bent-back parts thereof upon opposite sides and outside of said straight portions, so as to provide a substantially S-shape across the plane of said straight portions, the first-named of said bent-back parts being adapted to receive another line transversely thereof and to serve as a resilient clamping means with said straight portions for holding such other transverse line, and the other of said bent-back parts being of sufficient extent and rigidity to maintain said transversely extending portions in position across the plane of said straight portions at all times during normal operation of the same and being adapted to serve as a gate for entrance of the transverse line into and its exit from such clamping engagement.

2,626,439
CLOTHESPIN
John L. Mack, Sr., Chicago, Ill.
Application June 9, 1949, Serial No. 97,993
4 Claims. (Cl. 24—137)

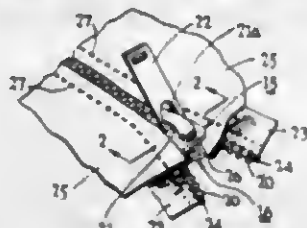


1. A clothes pin comprising an elongated stem having a bifurcated end, each arm of said end having an arcuately shaped terminal section residing in a common plane and extending away from each other, and an elongated resilient member extending laterally from each side of said stem adjacent the other end thereof and disposed in said plane, said members extending from said stem in a direction toward said arcuately shaped sections, and the free ends of said members being movable toward and away from their respectively adjacent arcuately shaped terminal sections to cooperate therewith to form two jaws of a clamp.

2,626,440

SLIDER FOR SLIDE FASTENERS

Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application August 26, 1950, Serial No. 181,625
4 Claims. (Cl. 24—205.15)



1. A slider for slide fasteners of the class described comprising a pair of spaced-apart wings having marginal side flanges, a neck portion arranged between said wings at one end thereof maintaining them in spaced relation, said neck portion having means arranged therewith for hingedly connecting said wings together at said neck portion so as to form an axis about which said wings are relatively tiltable whereby one of said wings is tiltable in its entirety relative to the other of said wings along a longitudinal axis substantially centrally of said slider.

2,626,441

SNAP FASTENER SOCKET ASSEMBLY

Harold S. van Buren, Jr., Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application August 29, 1949, Serial No. 112,903
1 Claim. (Cl. 24—218)



A snap fastener socket, comprising a base having walls forming a recess about the periphery

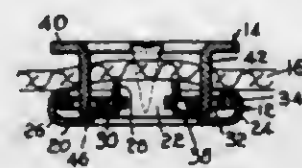
and a centrally disposed upwardly extending tubular stud-receiving portion having a pair of side apertures spaced from the base, said base having an annular upwardly embossed portion disposed thereabout between the recess and the upwardly extending tubular portion forming an outwardly and downwardly inclined annular camming surface, and a spring member assembled with the base, said spring being supported on said upwardly embossed portion above said camming surface and comprising a retaining portion disposed in the recess in spaced relation to the base, looped portions extending over said embossed portions and stud-engaging legs extending from the looped portion and being disposed in said side apertures in spaced relation to the base whereby when suitably spaced prongs of an attaching member are forced into the socket, said prongs are curled outwardly by said inclined camming surface under the retaining portion of the spring and into the recess.

2,626,442

SNAP FASTENER SOCKET ASSEMBLY

Joseph Blasej, Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application August 28, 1949, Serial No. 112,920
2 Claims. (Cl. 24—218)



1. A snap fastener socket member adapted for attachment to a supporting sheet by a pronged attaching cap, said socket member comprising a substantially square base having a stud-receiving portion disposed centrally therein, an upstanding peripheral wall provided with an inwardly curled free end portion providing a recess around the periphery of the base, an intermediate prong-curling portion providing camming surfaces extending inwardly and upwardly from the peripheral wall, and a spring member assembled on the base above said camming surfaces, said spring member comprising a retaining portion disposed in said recess and spaced from said base and a pair of looped portions having substantially parallel stud-engaging legs disposed on opposite sides of the stud-receiving portion, said looped portions being spaced from said spring-retaining portion and said inwardly curled portion of said peripheral wall at the corners of the base, said prong-curling portion forming a curling die to curl the prongs of an attaching cap outwardly into said recess under the spring-retaining portion when the socket member and cap are assembled on the supporting sheet.

2,626,443

SNAP FASTENER SOCKET ASSEMBLY

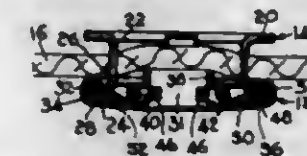
Joseph Blasej, Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 19, 1950, Serial No. 162,964
9 Claims. (Cl. 24—218)

8. A snap fastener socket member adapted for assembly on one side of a supporting sheet by means of a pronged attaching member disposed on the other side, said socket member comprising a base having a stud-receiving portion disposed centrally therein, and an inwardly curled edge portion forming a peripheral recess and

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having a free edge spaced from said base, a spring member assembled on the base, said spring comprising a stud engaging portion associated with the stud-receiving portion of the base, and a retaining portion disposed in the peripheral recess, said base having a series of individual

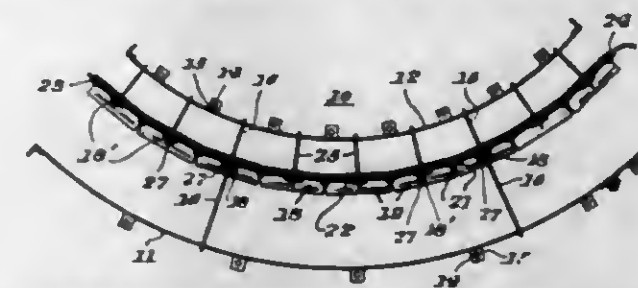


embossments formed thereon, each of said embossments having an inclined prong-turning camming surface disposed below and radially inwardly of said free edge to turn the ends of the attaching member prongs outwardly into the recess when the socket member and the attaching member are forced together.

2,626,444

FLEXIBLE FORM FOR INTEGRAL CONCRETE CURBS AND GUTTERS

Anthony S. Wolf, Pittsburgh, and Carl J. Zigan, Etna, Pa., assignors to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application August 26, 1947, Serial No. 770,618
6 Claims. (Cl. 25—118)



1. In a removable construction form for a curb or the like including a generally upright exposed face, a flexible supporting wall bent into the predetermined shape of said curb or the like, said supporting wall having a generally vertical molding surface extending in the direction of said exposed face, a plurality of generally rectangular segmental plates in end-to-end relationship, said segmental plates having a molding surface conforming to said exposed face, said last mentioned molding surface being in a substantially directly opposed relation to said molding surface of said supporting wall, relatively rigid members connecting said segmental plates respectively to said supporting wall at a predetermined distance therefrom, and at least one flexible member flexibly and closely connecting said segmental plates substantially by their respectively adjacent ends in relatively short, chordlike relation to define a continuous form for said exposed face.

2,626,445

HEAVY-METAL OXIDE RESISTORS AND PROCESS OF MAKING SAME

Ernst Albers-Schoenberg, Metuchen, N. J., assignor to Steatite Research Corporation, Keasbey, N. J., a corporation of Delaware

No Drawing. Application June 7, 1950,

Serial No. 166,769

5 Claims. (Cl. 25—157)

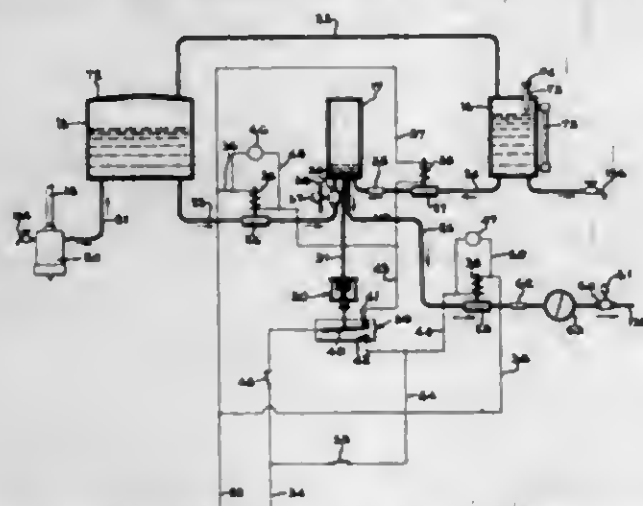
1. In a method of making heavy-metal-oxide resistors consisting essentially of a compound of the general formula $MO.M'O_2$ in which M is a bivalent form of a metal and M' is a trivalent form of a metal which comprises the steps of mixing bivalent and trivalent metal oxides in substantially the same proportions as indicated by

said formula, $MO.M^{1/2}O_2$, and maturing the mixture under oxidizing firing conditions, the improved process which comprises reheating the fired product at a temperature below the maturing temperature in an atmosphere of a neutral gas and cooling the product in a neutral atmosphere whereby the resistivity of the body is decreased by the said reheating and cooling process to a degree dependent upon the time and temperature of said heating process.

2,626,446

EMBALMING APPARATUS

William Stirling Moore, Batavia, Ohio
Application September 10, 1949, Serial No. 115,020
12 Claims. (Cl. 27-24)

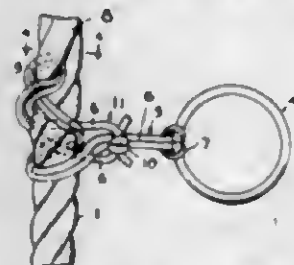


1. An embalming apparatus or the like comprising: a water reservoir, a concentrate reservoir, a mixing unit, delivery means for introducing water and concentrate from the respective reservoirs into the mixing unit, means for applying a uniform air pressure in common upon the respective water and concentrate reservoirs to force the water and concentrate at substantially equal pressures into the delivery means, respective metering devices in said delivery means operable in conjunction with the air pressure means to meter the flow of water and concentrate to the mixing unit, a conduit for delivering the solution from the mixing tank to an injecting instrument, a pressure responsive device connected to the mixing unit, a discharge valve in said conduit adapted to control the delivery of solution from the mixing unit, and connecting means between said pressure responsive device and said discharge valve adapted to open said valve when a predetermined pressure is developed within the mixing unit.

2,626,447

ROPE CONNECTION

Thomas G. Hunt, Seat Pleasant, Md.
Application August 3, 1949, Serial No. 109,086
1 Claim. (Cl. 28-78)



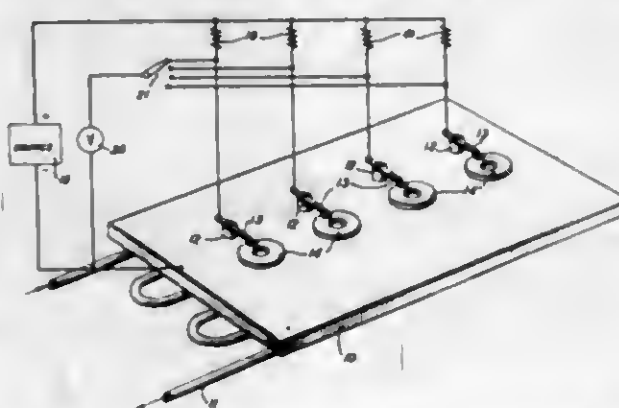
In a device of the kind described, the combination of a rope, said rope being of the type known as stranded and consisting of a plurality of strands twisted together, a strap doubled intermediate its ends, the end portions of the

strap being wrapped around said rope in more than one turn and then passed around one strand of the rope between the one strand and the remaining strands thereof to form a loop, said ends being then wrapped around the rope and around themselves adjacent the double portions and there secured by a knot.

2,626,448

APPARATUS FOR AND METHOD OF TREATING SELENIUM RECTIFIERS

John N. Shive, North Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1947, Serial No. 770,576
9 Claims. (Cl. 29-25.3)



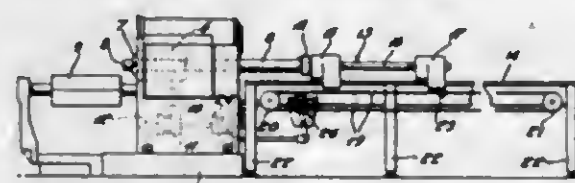
1. Apparatus for electrically forming a plurality of selenium rectifier units simultaneously, comprising a voltage source, means for connecting the units in parallel to said source in such polarity relation as to pass current through each unit in the reverse direction, and individual impedance means for said units connected in circuit with said source, each impedance means being of such magnitude as to maintain the power dissipated in the respective unit substantially constant throughout the forming process.

2,626,449

STOCK-FEED MECHANISM

Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Application April 5, 1948, Serial No. 18,900
7 Claims. (Cl. 29-59)



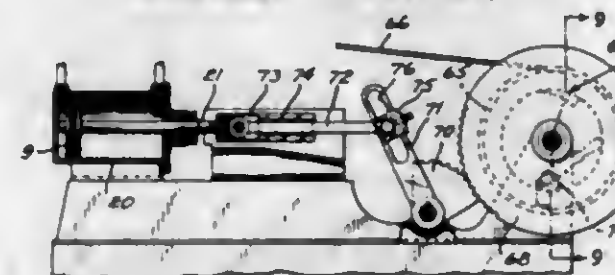
1. In a stock-feeding mechanism, a frame including longitudinally extending guide means, pusher means slidably guided by said guide means, longitudinally spaced pulleys mounted on said frame and spanning a length of said guide means, a feed tape taut over said pulleys and secured to said pusher means, a positive clamp releasably engageable with said tape, actuating means for said clamp, and feed means reacting between said clamp and said frame for feeding said tape when said clamp is set, said feed means being characterized by a stroke following a dead start and terminated by a dead stop, said actuating means including a program synchronized with said feed means and timing a setting of said clamp at said dead start and therefore prior to a stroke of said feed means and a release of said clamp at said dead stop and therefore

after a stroke of said feed means, whereby the feed imparted to said pusher means may be known to be directly related to the stroke of said feed means.

2,626,450

BAR FEED MEANS

George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application December 20, 1947, Serial No. 793,013
7 Claims. (Cl. 29-59)



1. In a machine of the character indicated, a feed carriage, and hydraulic actuating means for propelling said carriage, said hydraulic actuating means including a cylinder, a piston, a piston rod, and a crank, rotatable means connected to said carriage and driven by said crank and means adjustable along the length of said crank for connecting said piston rod to said crank, whereby the extent of feed may be adjusted by selective placement of said adjustable means on said crank.

2,626,451

STOCK FEED MECHANISM

George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application December 20, 1947, Serial No. 793,015
14 Claims. (Cl. 29-59)



1. In combination, a lathe-type machine with an internally fed spindle journaled therein, and a stock-feeding mechanism including longitudinally extending pusher means with chucking means to engage stock at the forward end thereof, a longitudinally extending lead screw in engagement with said pusher means, feed means including one-way-engaging clutch means rotating said lead screw, and frame-based positive-stop means constantly removed from the area of stock in said machine and in stopping relation with said lead screw for arresting rotation of said lead screw, whereby no stock-stop means need be employed on said machine and yet there may be accurate feed-out increments for the stock being fed.

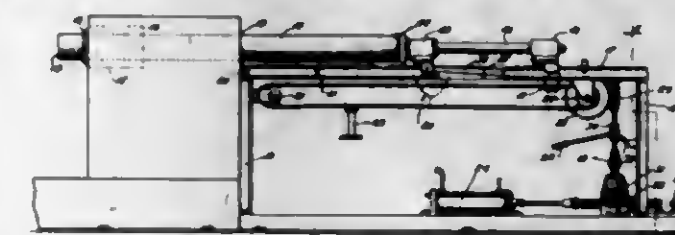
2,626,452

STOCK FEED MECHANISM

George O. Gridley, Berlin, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application December 20, 1947, Serial No. 793,016
7 Claims. (Cl. 29-59)

1. In a stock-feeding mechanism of the character indicated, a frame including longitudinally extending guide means, two carriages to be guided by said guide means, a pusher bar sup-

ported in each of said carriages, the forward of said carriages being longitudinally movable with respect to said bar and the rearward of said carriages being locked against axial displacement with respect to said bar, feed means for feeding said rear carriage, detachable spacer means positively and directly abutting axially fixed parts of said carriages for spacing said carriages, said spacer means placing said carriages in direct

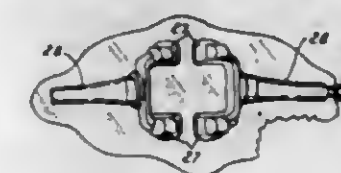


thrusting and driving abutment relation in one position thereof, and unlatching means on said frame and positioned to intercept and to displace said spacer means from said one position and to a position disengaging said carriages, whereby after said disengagement continued feeding of said rear carriage may extend said bar through said forward carriage and into the rear of a machine into which stock is being fed.

2,626,453

METHOD OF MAKING FORGED BLANKS AND FORGINGS

William W. Criley, Shaker Heights, Ohio, assignor to The Ajax Manufacturing Company, Euclid, Ohio, a corporation of Ohio
Application February 9, 1948, Serial No. 7,074
1 Claim. (Cl. 29-148)



The method of forming a plurality of metal articles each having a wide portion and a relatively narrow elongated portion extending therefrom, which comprises the steps of roll-forging a billet lengthwise to reduce the same in transverse cross-section relative to and intermediate the two end portions thereof, cutting such roll-forged billet in two in such reduced portion to form two blanks, each having a large end portion and a small end portion, thereafter further working each such blank individually by drawing such large end portion to form a neck in such large end portion substantially reduced over a substantial longitudinal extent with a thicker portion to either side of such neck, forming the outer extremity of such large end portion into a reduced outwardly tapering portion, and then forging each such blank to form simultaneously a pair of such articles having their respective wide portions adjacent each other and their respective narrow elongated portions extending in opposite directions.

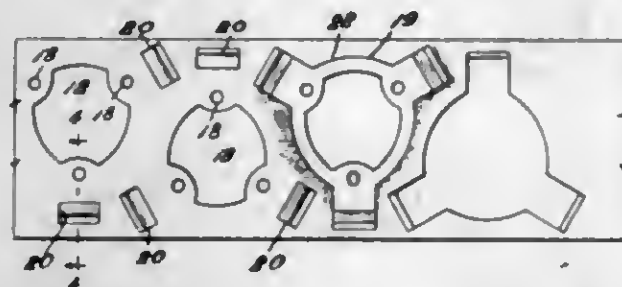
2,626,454

METHOD OF MAKING BASEBALL SHOE CLEATS

Edward A. Richardson, West Mansfield, Mass., assignor to Charles A. Richardson, Inc., a corporation of Massachusetts
Application April 13, 1950, Serial No. 155,624
1 Claim. (Cl. 29-148)

The method of forming a shoe cleat from sheet material which consists of forming a depression

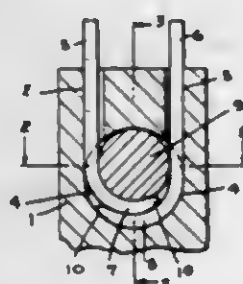
in the sheet material by compression of the material so as to provide a portion of greater density and a recess with an inclined bottom wall and severing the sheet material including in its pe-



riphery the outline of said compressed material in the form of a projecting spur and then bending the projecting spur at substantially right angles to position the portion of a greater density at the edge of the spur.

2,626,455 METHOD FOR CONNECTING STRUCTURAL PARTS

Carl Bernhard Holm, Roslags-Nagby, Sweden
Application August 28, 1950, Serial No. 181,805
In Sweden April 12, 1948
2 Claims. (Cl. 29-148)



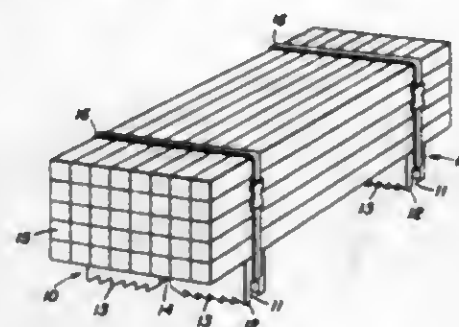
1. In a method for connecting valve pins with a stationary support which having two spaced parallel cylindrical bores entering said carrier from its outer face and a well enclosed circular transverse passage connected with said bores and extending through said support at a right angle relative to the direction of said bores, the steps of forcing a circular pointed pin through the first bore into said transverse passage, whereby said pin upon entrance into the latter is bent along its circular wall, continuing the forced insertion until the end of said pin has advanced beyond a vertical plane extending through the center of said circular transverse passage, forcing a second pointed pin in the same manner as said first pin through said second bore, whereby the pointed ends of the pins are forced into a superposed position and hereafter permanently securing the said two pin ends in their superposed position.

2,626,456 PALLETIZING SKID

George Harrison, Berwyn, Ill., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application October 27, 1948, Serial No. 56,698
2 Claims. (Cl. 29-187)

1. A palletizing skid comprising an ingot having a longitudinally extending channel in the bottom adapted to receive a binding strap, and having a notch of depth greater than the depth of

said channel extending laterally across the bottom of said ingot substantially midway between



the ends thereof, and lateral serrations in the projecting bottom surfaces of said ingot.

2,626,457 CLAD METAL

Leon J. Lieberman, Philadelphia, Pa.
Application January 30, 1948, Serial No. 5,427
8 Claims. (Cl. 29-187.5)



2. A composite comprising a pair of spaced weldable metallic backing blocks having inner clean surfaces directed toward one another, a layer of particles comprising a mixture of weldable metallic particles and abrasive nonmetallic particles adjoining the clean surface of each backing block, a parting sheet between and in contact with the layers having weld-resisting properties, a rim around the composite between the backing blocks and welds joining the rim to the backing blocks.

2,626,458 PROCESS FOR MAKING CLAD METAL

Leon J. Lieberman, Philadelphia, Pa.
Application March 29, 1949, Serial No. 84,173
4 Claims. (Cl. 29-189)



1. The process of making clad metal having a powder metal compact on one face, which comprises mixing weldable metal particles with refractory non-metallic particles, cleaning one side of each of two weldable metallic backings, placing a rim around each backing on the clean side, placing the backings with the rims and clean sides uppermost, applying a layer of the mixture to the clean side of each backing, securing a confining and parting sheet to the rim of one backing above the layer, inverting that backing and layer and superimposing it on the other backing and layer with the parting sheet adjoining the two layers to make composites, soaking the composites including the layers at hot rolling temperature, and hot rolling the composites to eliminate porosity in the layers, weld the metal particles of each layer, secure the abrasive particles, weld each layer to its adjoining backing and reduce the thickness.

2,626,459 METHOD OF WELDING STAINLESS STEEL

Prentiss S. Viles, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application October 23, 1950,

Serial No. 191,726

3 Claims. (Cl. 29-358)

1. A method of welding a chromium-nickel austenitic stainless steel which includes the steps of forming a mixture of a hydrocarbon gas suitable for welding operations in an amount in the range between about 95% and 75% by volume and hydrogen sulfide in an amount in the range between about 5% and 25% by volume, igniting said mixture to produce a flame sufficiently hot to heat adjacent boundaries of bodies of said alloy to a fusion temperature, applying said flame to adjacent boundaries of said bodies and fusing said adjacent boundaries of said bodies with said ignited mixture.

2,626,460 SCISSORS

Leo J. Wahl, Sterling, Ill., assignor to Wahl Clipper Corporation, Sterling, Ill., a corporation of Illinois

Application April 19, 1948, Serial No. 21,908

6 Claims. (Cl. 30-266)



1. Scissors comprising a pair of scissor members each having a cutting blade, an opposite reduced end portion and a plastic handle molded on said reduced end portion, each cutting blade having a circular opening therein, and plastic material covering the outer side of each of the blade portions containing said opening, the plastic material of one blade having a boss extending through its blade opening and therebeyond for a distance slightly less than the thickness of the other blade at its opening and entering said last opening to provide a plastic to metal bearing relationship, and a headed screw means holding said scissor members together in an adjustable and detachable manner, said screw means extending loosely through the plastic material of said other blade and into threaded engagement with the bossed plastic material of said one blade.

2,626,461 PANTOGRAPH MECHANISM

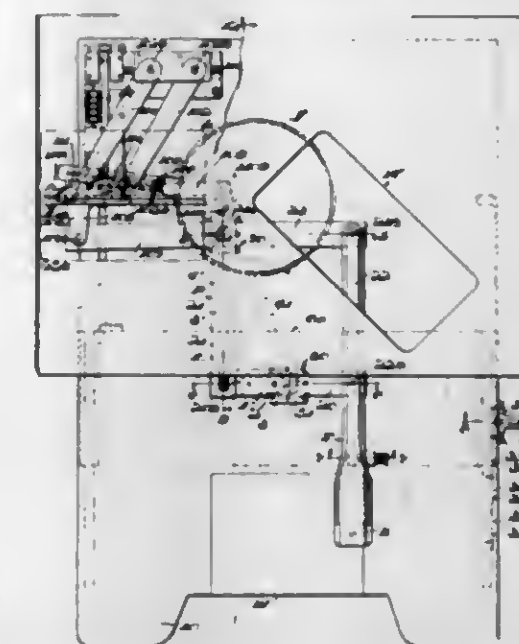
Kenneth E. Christopherson, Racine, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin

Application August 18, 1950, Serial No. 180,225

17 Claims. (Cl. 33-25)

9. In combination, a pantograph linkage; a pivot member; one link of said linkage being piv-

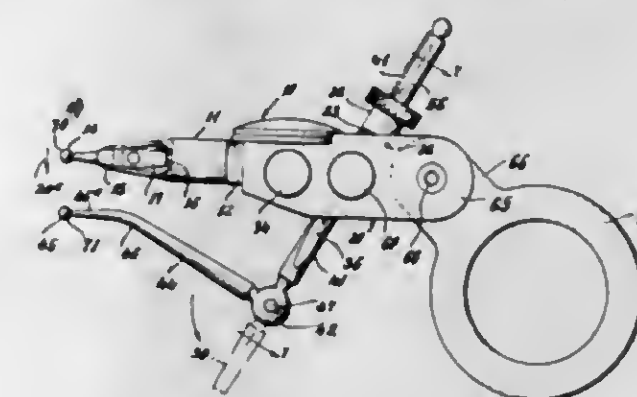
otally mounted on said pivot member with the linkage supported therefrom for movements in a plane perpendicular to the axis of said pivot member; a tracer arm connected with said linkage; a pattern board mounted for movements in



either direction along a straight line path; and means for releasably coupling said pattern board to said tracer arm for effecting movements bodily of said linkage in either direction along the straight line path of movement of said pattern board.

2,626,462 UNIVERSAL INDICATOR GAUGE

Robert C. Bayer, Jamaica Estates, N. Y.
Application October 29, 1947, Serial No. 782,793
7 Claims. (Cl. 33-147)



1. A gage comprising a support or holder, a unitary test indicator mounted on said support and having a surface-contacting part, said support having an opening therethrough extending transversely to the surface-contacting part of the test indicator, a screw-threaded member slidably adjustable in said opening, a foot portion pivotally mounted on the screw-threaded member and having a surface-contacting part for cooperation with the surface-contacting part on the test indicator, said foot portion being manually movable in a plane common with the surface-contacting part on the test indicator and providing means for making a quick approximate setting of the gage, and a nut rotatably mounted on the support and engaging the screw-threaded member for moving said member axially of its length for making a fine adjustment of the surface-contacting part on the pivotally mounted foot portion.

2,626,463

HEIGHT GAUGE

Alfred Deakin, Detroit, Mich.

Application August 23, 1949, Serial No. 111,780

1 Claim. (Cl. 33-171)



In combination, a flat base, an upright standard secured thereon, a member slidably mounted upon the standard, an adjustable set screw on said member engageable with said standard for securing said member in vertically adjusted position, a scriber support pivotally mounted at one end upon said member at one side of said standard, a set screw with its stem threadably mounted on said member and with its head retainingly engaged by said support upon one side thereof, a spring interposed between the other side of said head and said support, whereby rotation of said latter set screw effects pivotal movement of said support, an inverted U-shaped element slidably positioned over the outer end of said support, a set screw on said element engageable with said support, and an elongated scriber centrally positioned within the ends of said element and pivotally and loosely mounted thereon, adapted to bear upon a gauge block of predetermined height upon said base.

2,626,464

MICROMETER

Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, France, a society of France

Application January 9, 1945, Serial No. 572,056

In France January 26, 1944

3 Claims. (Cl. 33-172)



1. A pneumatic micrometry apparatus for measuring a magnitude, and especially a dimension of a piece of work, which comprises, in combination, a circuit for the flow of a gas stream, this circuit including, in series, a calibrated orifice and a second orifice, forming a valve seat, located behind said calibrated orifice and opening into a medium at uniform pressure, means for feeding a permanent gas under uniform pressure

to said circuit before said calibrated orifice, a valve arranged to cooperate with said valve seat, a valve stem for said valve movable in response to variations of the magnitude to be measured so as to be positioned with respect to said valve seat in accordance with the value of said magnitude, whereby the pressure indicated by said manometric means is a function of the value of said magnitude, and means rigid with said valve seat forming a chamber surrounding a portion of said valve stem and in communication with the portion of said circuit between said two orifices, said stem extending with a substantial clearance through a hole provided in one wall of said chamber into said medium at uniform pressure, whereby gas from said portion of said circuit escapes into said medium through said clearance.

2,626,465

ANGLE MEASURING DEVICE

Harold Cornelius Reading, London, England, assignor to Coventry Gauge & Tool Company Limited, Coventry, England, a British company

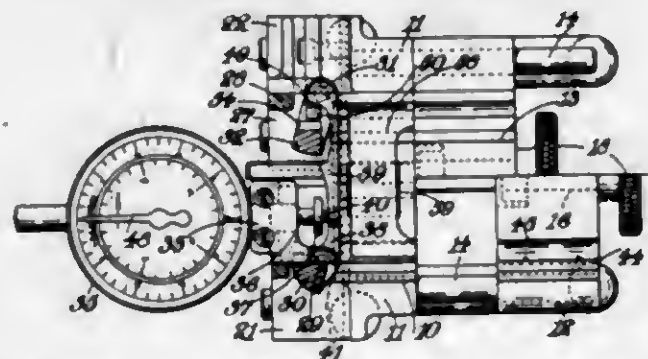
Application February 25, 1947, Serial No. 730,796

In Great Britain November 8, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires November 8, 1965

6 Claims. (Cl. 33-201)



1. A measuring device for the end faces of a twist drill comprising a locating member having two channels spaced apart thereon and each adapted to guide a drill axially along it, an abutment pivotally mounted at the end of each channel, one of which abutments is arranged with its pivot axis, as viewed along the drill, within the diameter of the drill and having a flat face in the path of movement of the drill and the other of which abutments is provided with a straight edge to engage a cutting edge on an end part of the drill at a distance away from the axis of the drill and from the pivot axis of the abutment, a fixed abutment adapted to engage the point at another end part of the drill when the drill is in engagement with the abutment, an indicator having a moving part which engages parts of both said pivotal abutments at distances away from their pivot axes.

2,626,466

GAUGE FOR SWAGED SAWTEETH

Lon Stanton, Lake Ozark, Mo.

Application November 1, 1948, Serial No. 57,700

4 Claims. (Cl. 33-202)



1. A gauge for swaged sawteeth comprising an elongated block of steel continuously grooved along one of its sides, said groove being formed

to present two longitudinally spaced portions of different widths, the inner side walls of both portions of said groove being parallel, and the centerlines of said portions being coincident.

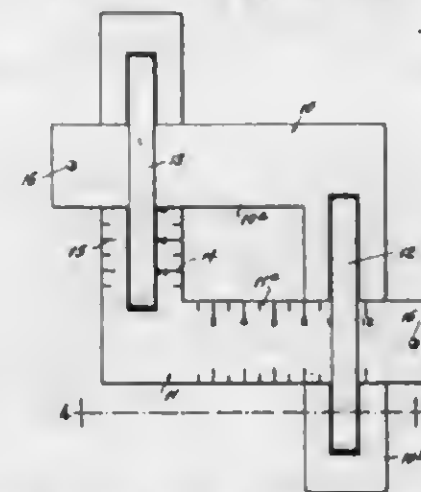
2,626,467

COMPOSITION GUIDE

Berenice Abbott, New York, N. Y., assignor to House of Photography, Inc., New York, N. Y., a corporation of New York

Application August 28, 1947, Serial No. 771,065

3 Claims. (Cl. 35-26)



2. A composition guide comprising two identical substantially flat members of L-shape, the legs of which are at right angles to each other, each of said members having a relatively narrow strap element along one leg thereof, struck from the body of such member and in slightly raised relation thereto, said strap element extending from approximately the apex of the angle to nearly the end of the leg, the other leg of each member being capable of being slid underneath the strap of the other member, to be frictionally held thereby to form a self-locking structure having a rectangular opening framed by said members, said members being shiftable relative to each other against the frictional resistance of the straps for varying the size of the opening.

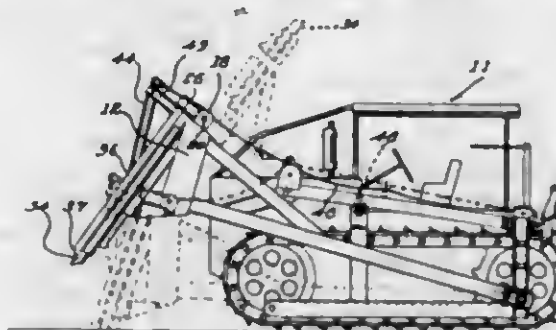
2,626,468

ROOT RIPPING ATTACHMENT FOR BULLDOZERS

Charles A. Dobrinich, Jr., Staunton, Ill.

Application June 13, 1950, Serial No. 167,853

3 Claims. (Cl. 37-2)



1. In combination, a bulldozer moldboard, a longitudinal beam secured to said moldboard, a first pair of spaced bearing brackets secured to the upper end of the moldboard adjacent one side thereof, a second pair of spaced bearing brackets secured to said upper end, respective support members hinged to said pairs of bearing brackets for rotation around a common axis above and parallel to said upper end, frame means rigidly connecting said support members, an elongated arm secured to the support mem-

bers associated with the first pair of bearing brackets, said arm extending in a plane transverse to said upper end and being substantially longer than the height of the moldboard, said arm being offset from said axis and being arranged for engagement with the front surface of the moldboard, a cutting blade carried by said arm in the plane of rotation thereof and located on the side of said arm opposite said axis, and a bracket member secured to said frame means and arranged to extend forwardly and upwardly from the moldboard when the arm is in engagement with the moldboard front surface, said bracket member being in the same longitudinal plane as said longitudinal beam.

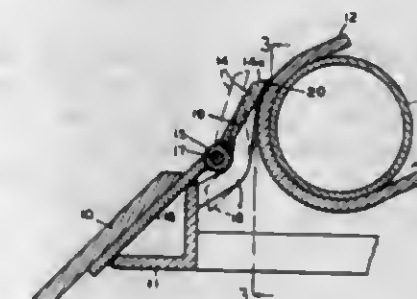
2,626,469

CONVEYER BELT PROTECTIVE DEVICE

Raymond Q. Armington, Shaker Heights, Ohio, assignor to The Euclid Road Machinery Co., Cleveland, Ohio, a corporation of Ohio

Application February 12, 1949, Serial No. 76,138

1 Claim. (Cl. 37-108)



In apparatus including an impervious conveyor belt passing about a tail pulley with an upper load-carrying run of said belt inclined upwardly and away from said pulley and with a mold board for guiding material onto said run at said pulley location, the combination of a shield plate generally in extension of said mold board and extending substantially entirely across the width of said belt, a pivotal mounting for said plate on said mold board parallel to the axis of said pulley and spaced from said belt, said plate having a free edge extending crosswise of said belt, said edge of said plate being free to oscillate about said pivotal mounting away from said belt, and stop means limiting oscillation of said plate toward said belt to a position where said plate is substantially tangent to said belt where it passes around said pulley and said free edge is adjacent but not touching said belt, said plate and mold board lying entirely below the plane of said load-carrying run, whereby said belt and plate and mold board forms a generally smooth continuous path substantially the full width of said belt.

2,626,470

BULLDOZER

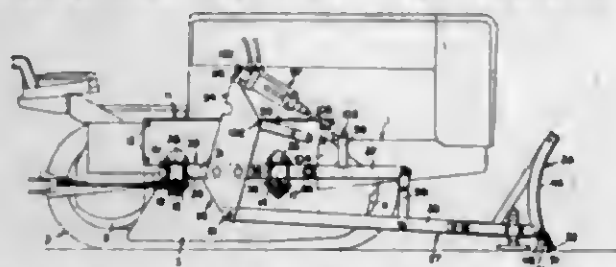
Curtiss L. Cook and Austin E. Young, Syracuse, N. Y., and John H. Edman, Dubuque, Iowa, assignors, by mesne assignments, to Deere & Company, Moline, Ill., a corporation of Illinois

Application June 30, 1950, Serial No. 171,282

3 Claims. (Cl. 37-144)

1. An agricultural implement adapted to be mounted on a tractor of the track-laying type having a tractor body carrying a pair of transversely extending fore and aft spaced apart cross members fixed rigidly to the tractor body and a pair of track-carrying frames fixed rigidly to the end portions of said cross members with a space between the tractor body and the track frames, said implement comprising a pair of side supports

disposable, respectively, in said spaces, means for fixing said side supports rigidly to said cross members laterally outwardly of the tractor body and laterally inwardly of said track frames, a frame including a pair of push bars extending generally rearwardly underneath said side supports and pivoted at their rear ends to said side supports, a

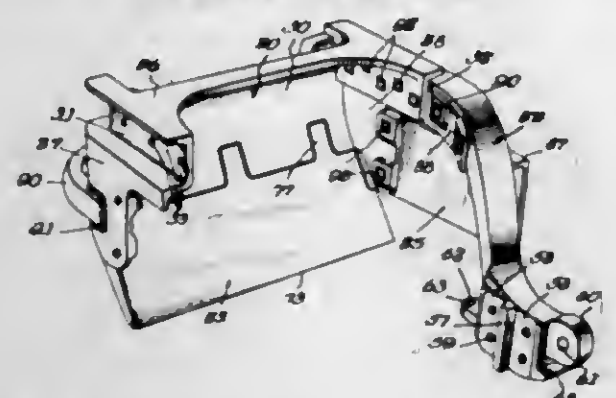


cross shaft rockably mounted in the forward ends of said side supports, a pair of arms fixed to said cross shaft and operatively connected with said push bars for raising and lowering the latter, and means connected with said cross shaft for rocking the latter and said arms so as to raise or lower the forward end of said frame.

2,626,471

CABLE OPERATED DRAG SCRAPER

Thomas C. Whisler, Alameda, Calif., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application July 21, 1947, Serial No. 762,305
3 Claims. (Cl. 37-147)



1. In a scraper bucket, in combination, a body member of one-piece construction including spaced side walls and a connecting back wall, said body member being generally semi-circular in a horizontal plane, said side walls being vertically disposed and said back wall being curved in a vertical plane, an arm channel-shaped in cross section releasably secured to each side wall, said body member having recesses of channel shape formed integral therewith in the side walls respectively for receiving the arms, each arm having a rear extension at right angles to the arm for engaging the back wall of the body member whereby to securely join the arms to the body member, said arms extending forwardly of the body member and each including a forward contacting portion, the forward contacting portion of said arms having engagement with each other, a shoe in keying relation with the forward contacting portions for locking the arms together, and a blade portion releasably secured to the bottom edge of the back wall of the body member.

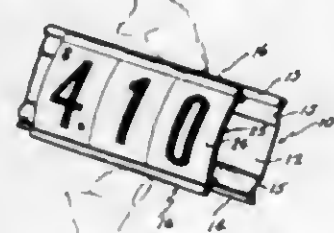
2,626,472

PRICE TAG HOLDER

Joseph Stingsl, Stratford, Conn., assignor to S & L Metal Products Company, a partnership
Application March 9, 1949, Serial No. 80,421
4 Claims. (Cl. 40-16)

1. A price tag comprising spaced separate individual side members each comprising a strip of

sheet metal including an intermediate portion with the edge portions on opposite sides of said intermediate portion folded upon themselves with the interior of the folds facing in opposite directions forming open sided channels, said side members being arranged with one set of folds facing outwardly and the other set facing inwardly so that there is a pair of channels on one

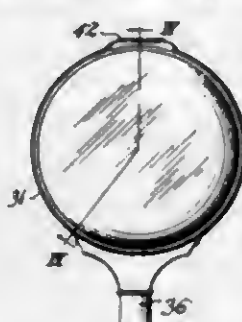


side facing inwardly toward each other and a pair on the other side facing away from each other, a flexible resilient cover strip of transparent sheet material arranged with its opposite edges secured in said inwardly facing channels, and said outwardly facing channels adapted to receive inwardly facing flanges on a supporting strip and be held in position on said flanges by the resilient action of said strip.

2,626,473

SIGN STRUCTURE WITH HINGED FACE

James A. Howenstine, Lima, Ohio, assignor to Neon Products, Inc., Lima, Ohio, a corporation of Ohio
Application March 28, 1950, Serial No. 152,367
1 Claim. (Cl. 40-125)



A sign structure which comprises an annular main frame band of T-shape in section, the leg of the T forming an inwardly extending flange, an annular closed loop filler frame band of channel shape in transverse section disposed inside the cross bar of the main frame band on each side of the leg thereof, the flanges of said channels extending inwardly from the webs thereof, means for holding one flange of each filler band in abutment with the leg of the main frame band, the cross bar of the main frame band embracing the filler bands, a hinge having one plate attached to the web of one of the filler frame bands, an annular molding of substantially F-shape in section attached to the other plate of said hinge, the stem of said molding being adapted to embrace the web of said one of the filler bands with one of the bars of said molding abutting the other flange of said one of the filler bands, a second annular molding band of substantially F-shape in section attached to the other filler frame band with the stem of said other molding band embracing the web of said other filler frame band, one of the bars of said other molding band abutting the other flange of said other filler band, the bars of said molding bands forming inwardly facing closed loop channels, and a transparent panel having its marginal edge seated in each of said channels, the first mentioned molding and its associated panel swinging from

an open position away from the frame bands to a closed position in which the stem of said one of the moldings embraces the web of said one of the filler frame bands and the panels close the open sides of the frame bands.

2,626,474

FIRING PIN RETRACTING MEANS FOR FIREARMS

John L. Lochhead, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War
Application March 15, 1951, Serial No. 215,851
3 Claims. (Cl. 42-16)
(Granted under Title 35, U. S. Code (1952), sec. 266)

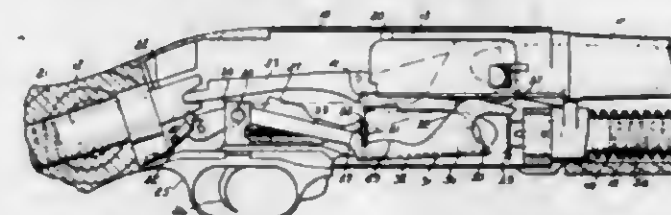


1. In a firearm having a slide reciprocable between a recoil and a counter-recoil position and means on the slide for actuating a bolt between a battery and a recoil position, the combination of, a firing pin slidably mounted in the bolt for longitudinal movement between a fired and a retracted position, said firing pin having an elongated transverse slot therethrough, a slidable firing pin retractor transversely mounted in the bolt so as to extend through said firing pin slot, first cam means in the slide for actuating said retractor in one direction during recoil and in the opposite direction during counter-recoil, and second cam means located on said retractor for moving said firing pin rearwardly to the retracted position during recoil of the slide.

2,626,475

CARTRIDGE CARRIER FOR REPEATING SHOTGUNS

Val A. Browning, Ogden, Utah
Application April 13, 1948, Serial No. 20,739
8 Claims. (Cl. 42-17)



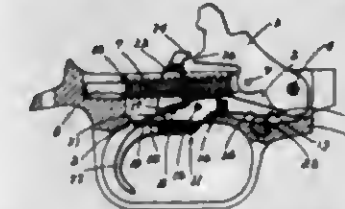
1. In a firearm, a receiver, a barrel extending forwardly therefrom, a breech block mounted for reciprocation in the receiver behind the barrel, said receiver having a loading chamber beneath the breech block, a carrier mounted for movement in said chamber between a depressed cartridge receiving position and an elevated position where it holds the cartridge thereon in alignment with the barrel, said receiver having in one of its side walls a loading opening through which a cartridge may be inserted into said chamber and onto said carrier when the latter is in depressed position, and a rearwardly facing shoulder in said receiver adjacent the rear end of said opening and behind which the rim of the cartridge is adapted to engage when properly positioned upon the carrier.

666 O. O.—63

2,626,476

TWO-PART RELEASE TRIGGER FOR GUNS

Willis C. Miller, Sacramento, Calif.
Application August 14, 1951, Serial No. 241,831
3 Claims. (Cl. 42-69)

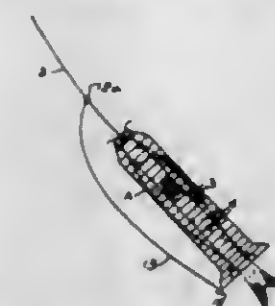


1. A trigger structure, for the hammer of a gun, comprising a trigger having a finger piece, the trigger including a longitudinal forward section and a longitudinal rearward section, means pivoting said sections at adjacent ends for swinging about a transverse axis, a finger piece depending from the rearward section, a primary sear between the forward section and the hammer engaged when the latter is cocked, a secondary sear between the rearward section and the hammer engaged only when said rearward section is initially swung by the finger piece separately from the forward section, and means between said sections arranged for adjustment whereby a rear-pull on the finger piece first swings the rearward section followed by swinging of the forward section, or swings said sections simultaneously, selectively; said last named means comprising spaced abutments on said sections, and a member manually movable between a position engaged between the abutments and a position clear thereof.

2,626,477

FISH LANDING NET

Oliver C. Richardson, Detroit, Mich.
Application January 10, 1947, Serial No. 721,187
4 Claims. (Cl. 43-5)



1. A fish landing net comprising an elongated tubular cage formed of two rigid semi-cylindrical open mesh members, said members being hinged together along one pair of adjacent longitudinal edges, and means for releasably securing together the other pair of adjacent longitudinal edges, said cage having a restricted opening at one end and a flared opening at the other end.

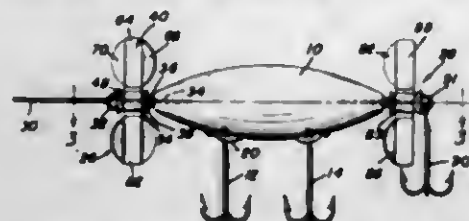
2,626,478

ARTIFICIAL BAIT

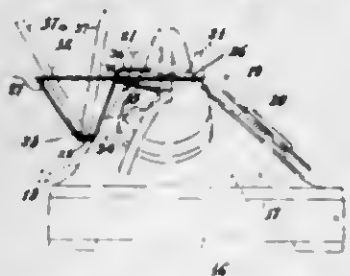
George C. Folmer, Allentown, Pa.
Application January 18, 1951, Serial No. 206,656
1 Claim. (Cl. 43-42.19)

As a new article of manufacture, a fish lure spinner comprising a blank of sheet metal including an elongated rectangular body portion having a plurality of spaced parallel transverse fold lines, said fold lines dividing the body portion into first, second, third, fourth, fifth and sixth areas, the first, third and fifth areas each having a central aperture therein so that when adjacent sections are bent relatively perpen-

dicular to form a substantially square hub-forming sleeve with the fifth area over-lapping the first area and with the sixth area overlapping the second area, the apertures will be in registry with each other to receive a supporting rod, a first blade-forming plate member having a lateral projection formed with one longitudinal edge of the body portion at the area between the first two areas having the apertures, and a second blade-forming plate member formed with the



2,626,479
TELEPHONE DESK SECRETARY
Murray J. Marrits, New York, N. Y.
Application March 23, 1948, Serial No. 16,466
3 Claims. (Cl. 45—5)

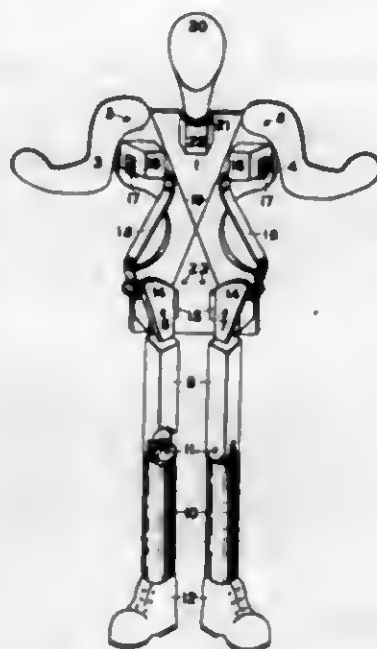


1. A memoranda paraphernalia holding device adapted to be attached to the base unit of a cradle type telephone instrument, comprising a blank of relatively stiff, deformable sheet material having folded and cut-out parts, the folded parts providing an open-ended receptacle for the memoranda paraphernalia and cut-out parts providing an extension tab at one end of the blank and substantially rectangular openings at the other end of the blank adapted to engage over a pair of upstanding ears on the base unit of a cradle type telephone instrument, and the edges of said openings being adapted to frictionally engage said ears to hold the device on said base unit, and the edges of the tab being adapted to frictionally engage the side walls of the base unit between the ears to supplement the holding engagement of the device on the base unit.

2,626,480
PUPPET
Ruby Tipman, Edmonton, Alberta, Canada
Application November 29, 1950, Serial No. 198,059
In Canada March 25, 1950
3 Claims. (Cl. 46—120)

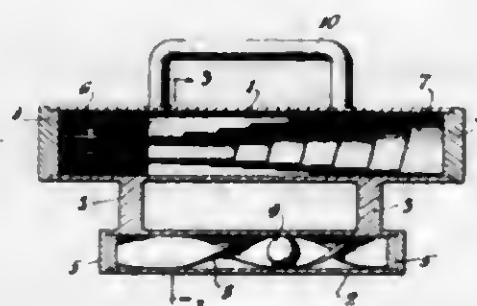
1. A puppet comprising a vertically elongated trunk portion with upper shoulder corners and lower hip corners, said hip corners carrying mounting blocks with oblique front faces, arms pivotally mounted on the upper shoulder corners and legs pivotally mounted on the oblique front

faces of the mounting blocks, cam blades at the upper end of the legs, vertically extending leaf spring actuators mounted on said body at their upper end and pressing upon said cam blades at their ends so that when pressed they will move



said legs obliquely outwardly and forwardly and a transverse connection between each of the legs and the opposite arms to give a simultaneous outward movement of a leg and a diagonally opposed arm.

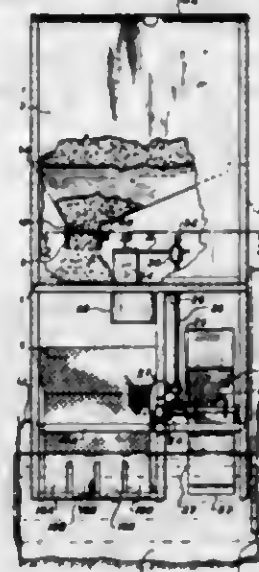
2,626,481
TOY RATTLE
Harry B. Toombs, New York, and George Amberge, Mount Vernon, N. Y.
Application September 9, 1950, Serial No. 183,968
7 Claims. (Cl. 46—193)



2,626,482
APPARATUS FOR IRRIGATION
Richard B. Munday, Altadena, and Richard D. Conn, Arcadia, Calif.
Application September 7, 1948, Serial No. 48,128
17 Claims. (Cl. 47—1)

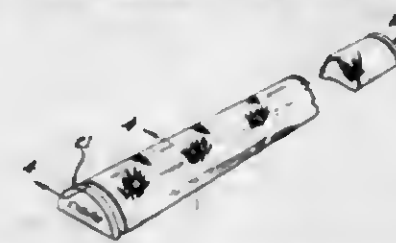
1. In apparatus for dissolving granular and powdered solids in a stream of liquid, the combination which comprises a hopper, a perforated basket stationarily disposed at least partially in the stream of liquid and spaced below the hopper, a paddle wheel operable by the stream of

liquid to rotate independently of the basket, and means operable responsive to the rotation of the



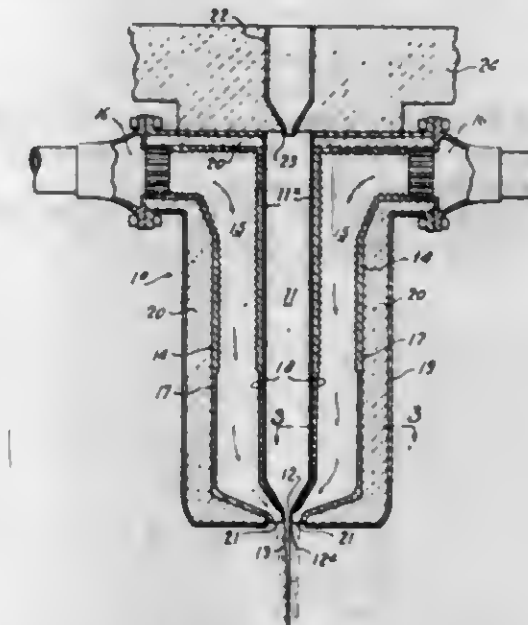
paddle wheel for regulating the flow of solids from the hopper into the basket.

2,626,483
VENTILATED PLANT PROTECTOR
Robert J. Service, Stone Ridge, N. Y.
Application July 28, 1950, Serial No. 176,390
2 Claims. (Cl. 47—30)

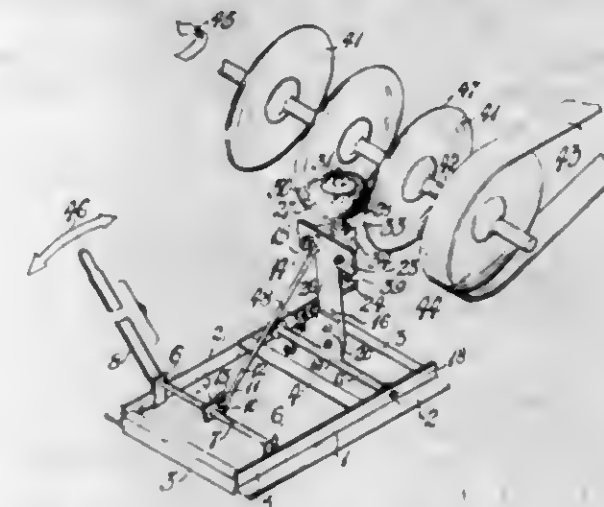


2,626,484
METHOD AND APPARATUS FOR FORMING FIBERS
Charles J. Stalego, Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation, a corporation of Delaware
Original application March 18, 1946, Serial No. 655,270. Divided and this application August 29, 1951, Serial No. 244,222
11 Claims. (Cl. 49—17)
1. The process of producing fibers from mineral material comprising burning a combustible

gaseous mixture in a confined zone; discharging the gases of combustion through a passage formed with a restricted area to produce a high velocity blast, and delivering molten mineral material into the passage at the restricted area whereby the mineral material is entrained in the blast and attenuated by the velocity thereof to fibers.



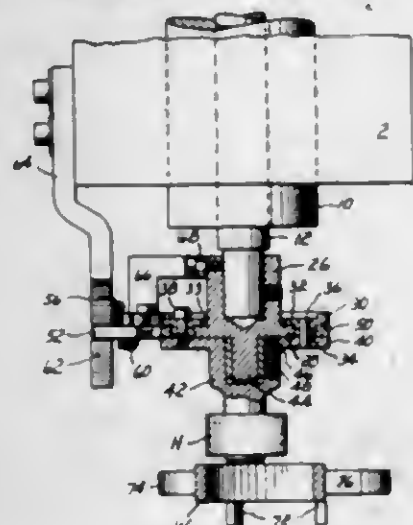
2,626,485
FRICTION-DRIVEN SHARPENING DEVICE
Rueben Waldbauer, Winnipeg, Manitoba, Canada
Application January 25, 1951, Serial No. 207,731
2 Claims. (Cl. 51—33)



T-shaped support secured to said rod and upstanding therefrom, a spindle extending through bearings mounted upon said T-shaped support, said spindle journaled for rotation within said bearings, a cylindrical grinding element secured to said spindle; a control handle also pivoted to said framework, and linkage means extending between said handle and said head.

2,626,486 HONING

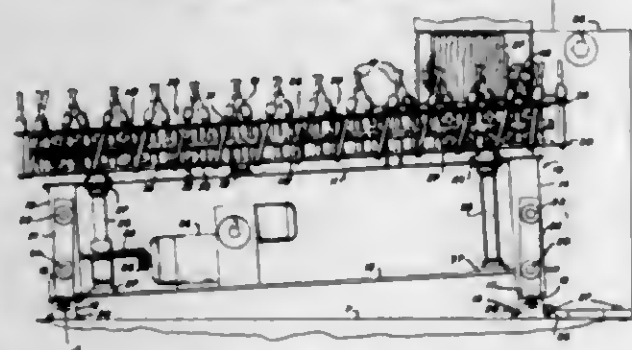
Theodore A. Olson, Pompton Plains, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 2, 1947, Serial No. 719,886
7 Claims. (Cl. 51-59)



6. In apparatus of the character indicated, a reciprocating member, a hone holder journaled on the reciprocating member for circumferential indexing movement, a honing member secured to the holder, a carrier to guide the reciprocating member, a support for guiding the carrier; means for shifting the carrier with respect to the support to carry the honing member into and out of operative relation to a work piece, a cam secured to the support, an arm journaled for angular movement on the reciprocating member adjacent to the hone holder, a one-way turning connection between the arm and the hone holder, and the cam being mounted in the path of the arm to turn the latter as the carrier is given its shifting movement.

2,626,487

CHAIN AND GEAR DRIVEN SEMIAUTOMATIC BUFFING MACHINE
Anthony J. Janusauskas, Waterbury, Conn.
Application July 20, 1950, Serial No. 174,948
1 Claim. (Cl. 51-76)

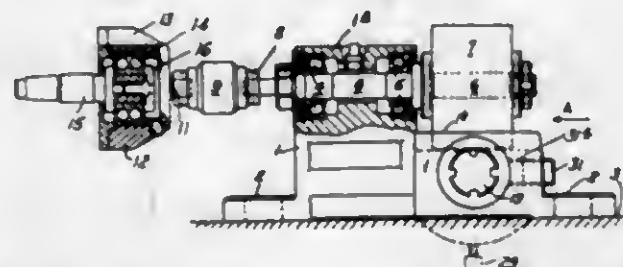


In a buffing machine, a buffing wheel mounted to rotate on a horizontal axis, a continuously-driven endless conveyor chain for carrying tubular articles to be buffed across the surface of said buffing wheel in a downwardly inclined rectilinear path, whereby the buffing of said articles

will progress from the bottoms to the tops thereof, the articles to be buffed being supported on upstanding inclined spindles, rotatably mounted on said chain, a stationary guide plate in the path of said spindles and adapted to be successively engaged thereby, whereby said articles will be continuously rotated while being buffed, and means for adjustably tilting said conveyor and guide plate toward and away from said buffing wheel.

2,626,488

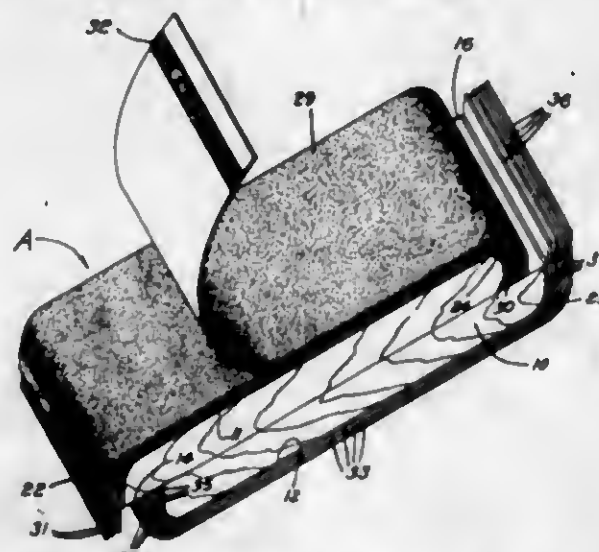
GRINDING ATTACHMENT
John Airlie, Glasgow, and William Wilson Mackay, Stewarton, Scotland, assignors to Carrick Engineering (Stewarton) Limited, London, England, a corporation of Great Britain
Application August 2, 1951, Serial No. 239,964
In Great Britain July 10, 1950
6 Claims. (Cl. 51-103)



6. A self-contained attachment for use with grinding machines provided with a table, a grinding wheel projecting above the table and a driving head, said attachment constituting a unit detachable from the machine while leaving the driving head of the machine in position, said attachment including a support adapted to be secured to the machine table, a control wheel mounted on said support for rotation about its own axis, a rest adjustably mounted on the support to present a work-supporting surface to one side of said axis, said control wheel being normally located adjacent to the grinding wheel and to the work-supporting surface disposed between the two wheels, and means for establishing a driving connection between said driving head and said control wheel, said means being instantly disengageable exclusively by the shifting of said unit in the direction of the axis of the control wheel.

2,626,489

SANDING BLOCK CONSTRUCTION
Richard G. Thompson, Stillwater, Minn.
Application June 19, 1948, Serial No. 34,032
4 Claims. (Cl. 51-184)

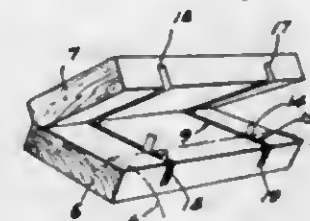


1. A sand paper block including an elongated body having a pair of parallel bearing surfaces, a

lip projecting from each end of said body, one of said lips being flush with one surface of the body and the other being flush with the opposite surface of the body, a series of abrasive sheets overlying each of said body surfaces, the sheets of each series having one end abutting one of said lips and extending over the end of the other of said lips.

2,626,490

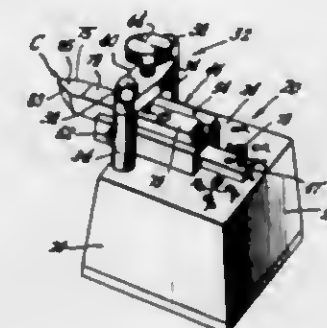
HAND SANDER
Leo J. Meers, Los Angeles, Calif.
Application March 4, 1952, Serial No. 274,727
8 Claims. (Cl. 51-187)



5. A pair of abutable blocks one of which is superposed upon the other, a pair of hinges having hinge wings hinging said blocks together at one side edge, the uppermost of said blocks having its hinged edge portion provided with a chamfer which extends the full length of the block to limit the angular opening of said superposed block in relation to the other block.

2,626,491

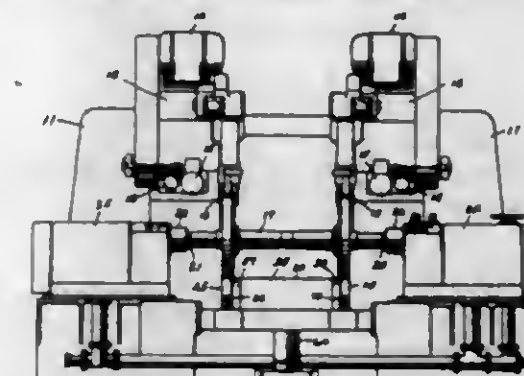
FIXTURE FOR GRINDING THREAD CUTTING TOOLS AND THE LIKE
Theodore Penkoff, Copiague, and Leo Egoroff, Huntington, N. Y.
Application November 10, 1950, Serial No. 194,998
17 Claims. (Cl. 51-220)



1. A fixture for holding a tool on the table of a grinder, said fixture comprising a unitary body having a bottom surface lying in a plane; a top surface; a front surface; a plane rear surface and plane side surfaces lying in planes inclined to the top surface; and a rotatable tool holder mounted on the top surface of said body and capable of rotation about an axis substantially perpendicular to said top surface, said bottom, rear and side surfaces providing bases upon which to rest the fixture on the table of the grinder whereby the faces of the tool may be successively presented to the grinder to be ground to form cutting edges at standard thread cutting angles, and wherein the inclination of said rear and side surfaces of the body to said top surface concurrently and automatically introduces the end clearance and side clearance necessary in the faces of the tool for the proper operation of the cutting edges thereof.

2,626,492

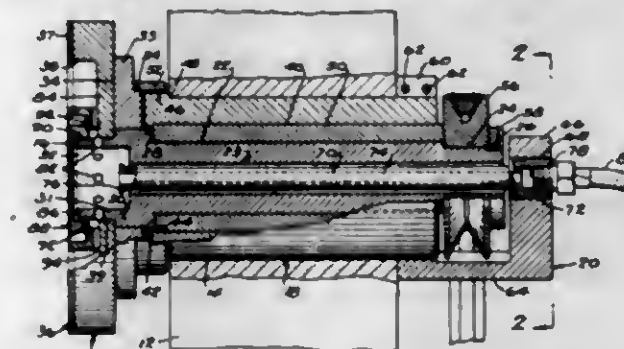
CAR WHEEL GRINDER
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application June 7, 1950, Serial No. 166,560
3 Claims. (Cl. 51-236)



1. In a car wheel grinder, a base, means for rotatably supporting car wheel and axle assemblies thereon, including spaced center members upon which said axles are mounted, guides along which the assembly may be moved into the machine in one direction before grinding, including a platform substantially flush with the floor level and having spaced guide means for guiding and supporting said car wheels on the flanges thereof, and means for locating said car wheels on said platform in substantially vertical alignment with said center members, including a pair of rollers pivotally mounted in tandem relation on the underside of said platform, one of said rollers serving to engage the tread of said car wheels for driving same, the other serving to limit the extent of movement of the car wheels along said platform.

2,626,493

ABRASIVE WHEEL COOLANT SPRAYING SPINDLE
Elmer W. Spelcher, Birmingham, Mich., assignor of one-half to Alfred R. Conti, Walled Lake, Mich.
Application August 13, 1952, Serial No. 304,186
8 Claims. (Cl. 51-287)



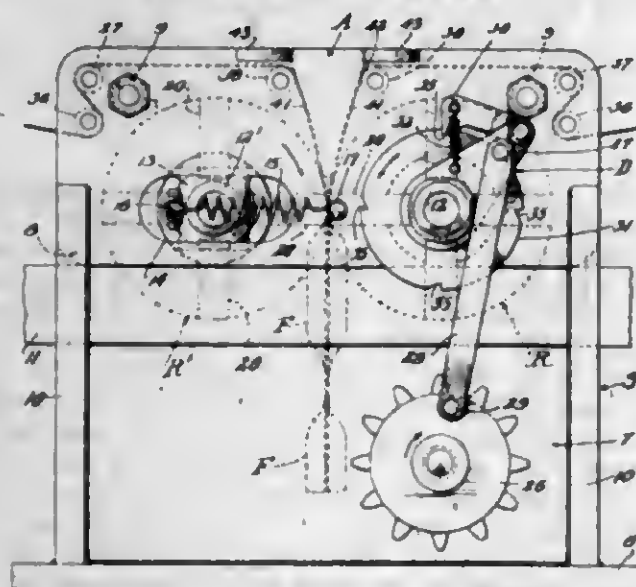
1. A device of the class described comprising an abrasive cup wheel having a central bore and counterbore, a wheel mounting spindle rotatable in a column supported housing, drive means for rotating said spindle, said spindle having a bore therethrough, a counterbore at the wheel mounting end thereof, and a sleeve portion encompassing said spindle counterbore, a bracket mounted on one end of said housing having an integrally formed split sleeve, web and an upright support parallel to the plane of said split sleeve, a coolant passing tube arranged through said spindle substantially concentric with the spindle axis and supported by said bracket upright support and having a front end projecting into the area of said spindle counterbore, coolant passing radial openings from said spindle counterbore in said spindle sleeve portion, and a blind nut

threadedly mounted on said spindle sleeve portion enclosing the same and having a counter-bore therein encompassing the said radial openings of said spindle sleeve portion, and coolant passing radial slots in said blind nut issuing from said nut counterbore

2,626,494

PACKAGING MACHINE

Harold P. Lewis, Newtown, Pa., assignor to Pak-Rapid, Inc., a corporation of Pennsylvania
Application April 13, 1950, Serial No. 155,620
3 Claims. (Cl. 53-86)

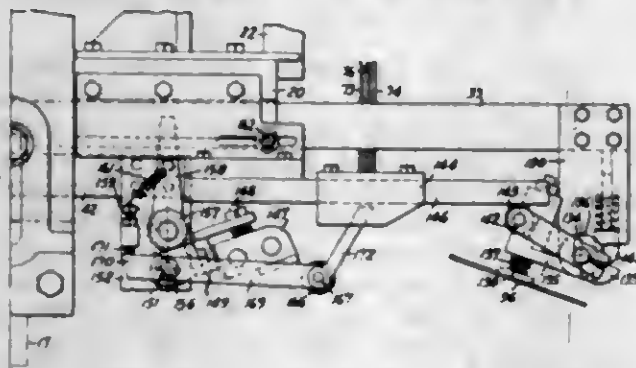


3. In a package forming and sealing machine adapted for heat sealing of strips of packaging material, a pair of sealing rolls between which strips of material are fed and formed into packages, said rolls having axially spaced circular surfaces for forming edge seals for the packages and having a plurality of circumferentially spaced cross members for forming cross seals for the packages, drive mechanism for the rolls including means for intermittently rotating the said rolls through arcs equal to the circumferential spacing of said cross members, and means for operating the drive mechanism so as to provide an appreciable interval of dwell of the rolls at each cross sealing position.

2,626,495

BAG SEALING MACHINE

Rene J. Gaubert, Oakland, Calif., assignor to Simplex Packaging Machinery, Inc., a corporation of California
Application April 25, 1949, Serial No. 89,445
7 Claims. (Cl. 53-149)



1. In a bag closing and sealing machine, means for supporting a filled bag, means including fingers for positioning and retaining the upper projecting end portion of the bag, a heater, means for translating the heater into operative engagement with the projecting end portion of the bag to form a heat seal, and presser means

cooperating with the heater to effect folding of the projecting end portion of the bag and for pressing down upon the contents of the bag prior to a heat sealing operation and means for activating the presser means in cyclic relation to movements of the heater to cause the presser means to retract as the heater is applied.

2,626,496

LAND ROLLER

Leroy J. Ritzert, Mount Vernon, Ind.
Application November 29, 1948, Serial No. 62,583
1 Claim. (Cl. 55-47)

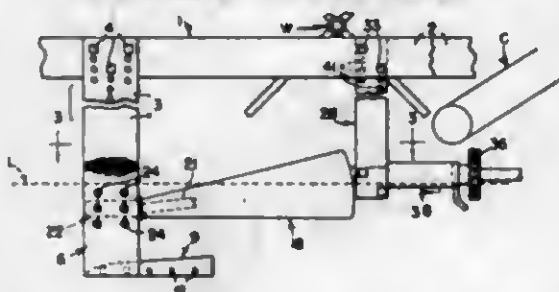


In an articulated land roller frame, the combination of first and second elongated frame members disposed in substantial longitudinal alignment and having spaced adjacent inner ends, a funnel-shaped socket having a major end and a minor end secured to the inner end of the first frame member, and a fulcrum pin extending transversely through the major end portion of said socket and having the inner end of the second frame member pivotally mounted thereon, whereby the first and second frame members may be swung relative to each other within the limits of oscillatory movement of the second member in the major end of said socket.

2,626,497

LIFTER FOR BEET HARVESTERS

Thomas W. Bohmker, Geneseo, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 3, 1949, Serial No. 68,805
2 Claims. (Cl. 55-106)



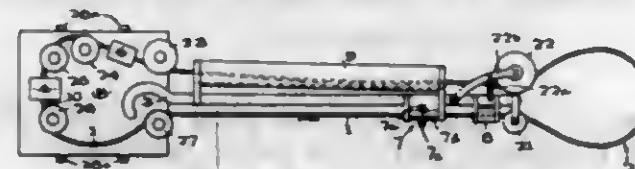
1. In a beet harvester, a frame, beet lifting means comprising a pair of laterally spaced, generally vertically extending supports shaped to enter the ground and fixed at their upper ends to said frame, a pair of laterally spaced lower lifting points fixed at their forward ends to the lower ends of said supports and extending rearwardly therefrom, a pair of laterally spaced upper rotatable lifting elements, and bearing means carried by said supports above and laterally outwardly of the forward portions of said lower fixed lifting points and rotatably receiving and supporting the ends of said rotatable lifting elements, the distance between the forward portions of said lower fixed lifting points being less than the distance between the forward portions of the upper rotatable lifting elements and the distance between the rear portions of said lower fixed lifting points being greater than the distance between the rear portions of said upper rotatable lifting elements, whereby said lower fixed points tend to loosen the ground about the beets adjacent the lower parts thereof and the rotatable lifting elements, at their rear portions, are in a position to engage the smaller lower portions of

each beet and raise the same upwardly of the ground, each of said supports including a generally central portion, offset laterally inwardly relative to the upper end thereof and receiving one of said bearing means, and a lower portion offset laterally inwardly relative to said central portion and receiving the forward end of the associated lower lifting point.

2,626,498

COTTON-PICKING MACHINE

Edward E. Tallaferrro, Jackson, Tenn.
Application April 22, 1949, Serial No. 88,985
9 Claims. (Cl. 56-36)

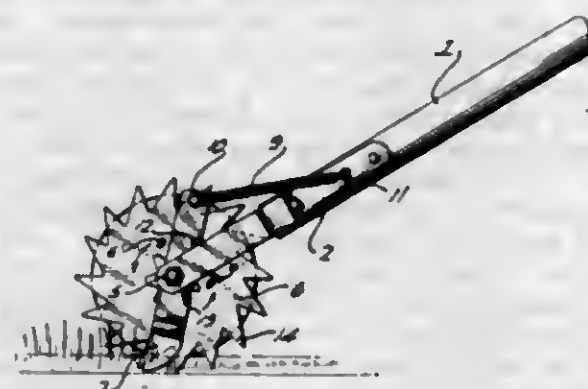


1. In a cotton picking machine, the combination of a picking element comprising an endless, resilient cable, means operatively associated with said cable for supporting said cable for movement linearly thereof through the closed circuit of said cable, a portion of said cable being formed as a self-sustaining picking loop, driving means operatively associated with said cable for driving said cable continuously through said circuit and for simultaneously rotating said cable about its own axis, whereby all linear sections of said cable pass through said loop in succession, and doffing means operatively associated with said cable for removing cotton from said cable as it leaves said loop.

2,626,499

LAWN EDGER

John S. Wick, Long Beach, Calif.
Application April 2, 1951, Serial No. 218,749
2 Claims. (Cl. 56-256)



1. A lawn edger comprising a handle, a pair of arms on one end of said handle, a disk rotatably mounted in said arms, a blade extending diametrically across said disk, means pivotally mounting said blade, one end of said blade bearing against one face of the disk, and spring means attached to one end of said blade and pulling said blade in one direction.

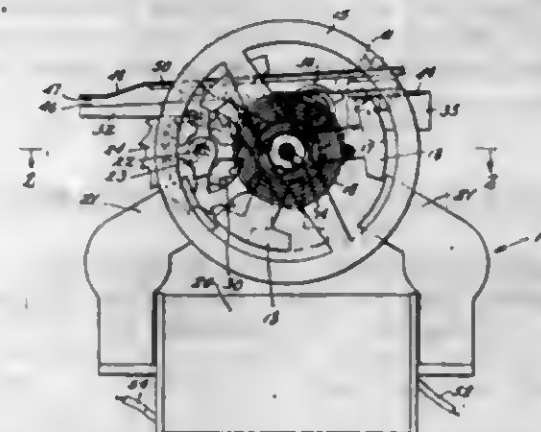
2,626,500

ELECTRIC CLOCKWORK MOVEMENT

Allen T. Westlake, Jr., Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 15, 1948, Serial No. 38,802
4 Claims. (Cl. 58-28)

1. In a clockwork movement, an oscillatable spindle; magnetic means including an electromagnet for imparting a turning movement to the

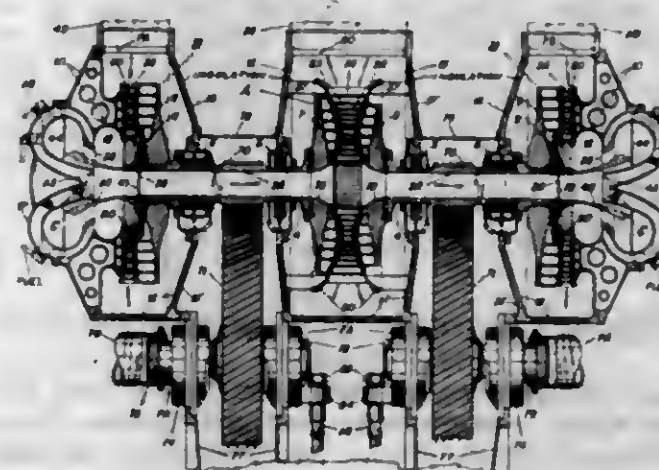
spindle; a large ratchet wheel and a small ratchet wheel connected together for simultaneous rotation; means carried by the spindle and engageable with the large ratchet wheel for unidirectional driving said wheel with an intermittent movement when the spindle is oscillating; and means including a movable part actuated by the



2,626,501

GAS TURBINE POWER PLANT HAVING COMPRESSOR, TURBINE, AND HOLLOW SHAFT THEREBETWEEN

Vladimir H. Pavlecka, Pacific Palisades, and Frederick Dallenbach, Inglewood, Calif., assignors to Turboelectric Corporation, Beverly Hills, Calif., a corporation of California
Application October 7, 1944, Serial No. 557,655
34 Claims. (Cl. 60-39.15)



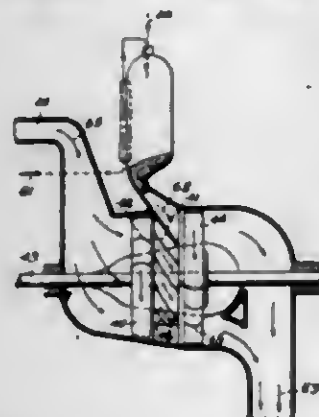
2. A gas turbine power plant, comprising a centripetal flow multiple stage compressor; a centrifugal flow multiple stage gas turbine; a hollow shaft having an intake end and a discharge end extending axially of said shaft and connecting the rotating elements of said turbine and compressor; a reverted stationary combustion chamber having coaxial intake and discharge ports, said hollow shaft and combustion chamber forming fluid passages connecting the said compressor and turbine.

17. A gas turbine power plant comprising a rotatable hollow shaft having first and second ends, the hollow portion of said shaft constituting a hollow duct, a dynamic compressor having a rotor structure mounted at and connected to said first end of said shaft, an accelerating duct connecting the output of said compressor to said shaft duct whereby the output of said compressor discharges into said shaft duct, a turbine having

a rotor mounted at and connected to the second end of said shaft, and a combustion heat generator having input and output sides, the input side of said combustion heat generator being aerodynamically connected to said shaft duct to receive the output of said compressor, and the output side of said combustion heat generator being aerodynamically connected to said turbine, whereby the rotor of said turbine is capable of rotating the rotor structure of said compressor through said shaft when said power plant is in operation.

2,626,502 COOLING SYSTEM FOR GAS TURBINE BLADING

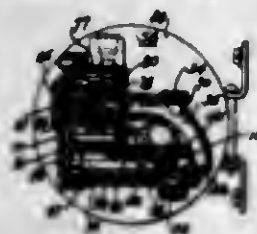
Ernest Lagelbauer, New York, N. Y.
Application May 29, 1947, Serial No. 751,164
2 Claims. (Cl. 60—39.16)



1. In a power system, a rotatable shaft, a turbine wheel thereon having a plurality of blades rotatable in an annular path, an impeller wheel on said shaft adjacent the turbine wheel and having blades thereon, means to pass compressed cooling air into contact with said blades of the impeller wheel, means to pass combustion gases into contact with the exterior surfaces of said turbine blades throughout a predetermined segment of said annular path, fixed blades positioned between the impeller wheel and turbine wheel to guide the compressed air into contact with said exterior surfaces of the turbine blades throughout the remaining segment of said annular path.

2,626,503 HYDRAULIC PUMP AND MOTOR POWER SYSTEM

De Loos D. Wallace and William F. Erickson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 25, 1951, Serial No. 238,562
8 Claims. (Cl. 60—52)

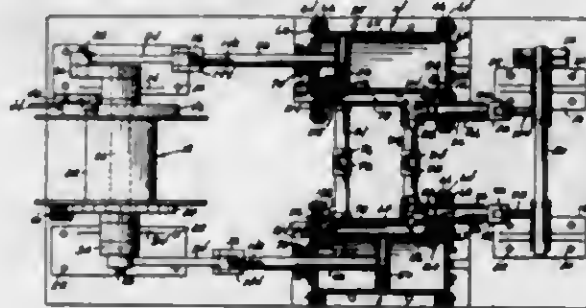


1. A fluid flow control device consisting of a housing in which is provided a passage with which a fluid pressure discharge port of a pump, a connection with a fluid reservoir and a connection with a fluid actuated motor all communicate; double acting valve means in said passage normally shutting off communication between the pump port and both the motor and fluid reservoir; actuator means in the passage operative out

of normal position by fluid pressure to engage and actuate the double acting valve means for opening communication between the pump port and the reservoir; a normally open control valve in the passage between the pump port and said actuator means, said control valve being operative out of normal position to shut off communication between the pump port and said actuator means rendering it inactive, at which time fluid pressure from the pump port is directed against and actuates said double acting valve means concurrently to open communication between the pump port and the motor; and to close the passage to shut off communication between the reservoir and the motor; and means in the housing for actuating the control valve.

2,626,504 HYDRAULIC MECHANISM FOR IMPARTING A ROTARY MOTION TO A MEMBER

John Frisone, Lynn, Mass.
Application January 10, 1947, Serial No. 721,206
3 Claims. (Cl. 60—53)

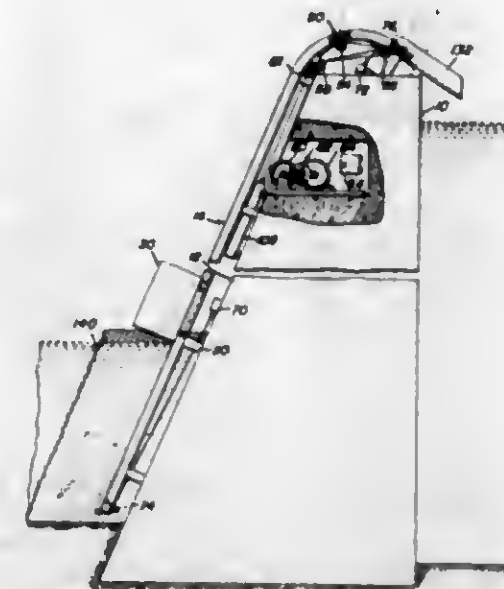


1. In an actuating means for imparting rotary motion to an axle, a horizontally-disposed base, a plurality of bearing supports supported on said base, a rotatable drive shaft carried by said bearing supports for connection to a source of power, cam means carried by said drive shaft, a pair of spaced cylindrical housings arranged in spaced relation above said base and supported on the latter, a piston mounted for reciprocary movement in each of said housings, a piston rod having one end secured to each of said pistons and its other end operatively connected to said axle for rotating the latter upon reciprocation of said pistons, there being a pair of superimposed tubular passageways extending longitudinally in each of said housings, the ends of each of said passageways communicating with the interior of each of said housings, valve means coacting with the ends of said passageways and operatively connected to said piston rods for selectively causing opening and closing of said passageways with respect to the interior of each of said housings, a plunger casing carried by each of said cylindrical housings, a conduit connecting certain of each of said passageways to the complementary plunger casing, a plunger mounted for reciprocary movement in each of said casings, means carried by each of said plungers and coacting with said cam means for causing reciprocary movement of said plunger in response to rotary movement of said drive shaft, a reservoir spaced above said housings and supported on said base for containing a hydraulic fluid, conduit means operatively connecting said reservoir to said passageways and casing for conveying said hydraulic fluid to the latter, and a check valve interposed in said conduit means for controlling the flow of fluid therethrough, whereby rotary movement of said drive shaft causes reciprocation of said plungers to selectively force hydraulic fluid into said housings to thereby reciprocate said pistons and rotate said axle.

2,626,505

HOIST

Tod M. Date, Seattle, Wash., assignor of one-third to Roy M. Date, Friday Harbor, Wash.
Application October 19, 1951, Serial No. 252,084
8 Claims. (Cl. 61—21)

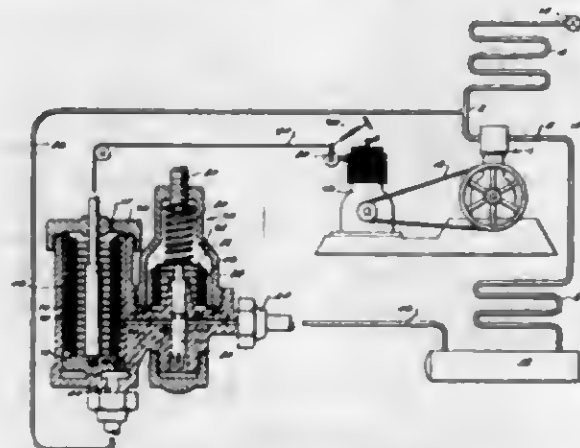


1. A hoist for elevating fish over a dam comprising means for concentrating fish at the base of the dam, a pair of parallel tracks extending from the base, the top of said tracks curving over the top of the dam, a skip having a trap door in the bottom thereof, rollers journaled on said skip and mounted in said tracks, a cable attached to said skip, sheaves mounted on said tracks for entraining said cable, a power driven winch tensioning said cable to pull said skip up said track and onto said curved top, a chute adjacent the end of said track, a limit switch at the end of said track, said switch being operated by said skip to terminate power application to said winch.

2,626,506

REFRIGERATION CONTROL MECHANISM

Edward F. Dickleson, Jr., Detroit, Mich.; Nathalie L. Dickleson, executrix of said Edward F. Dickleson, Jr., deceased, assignor to Nathalie L. Dickleson
Application May 28, 1947, Serial No. 750,947
15 Claims. (Cl. 62—4)



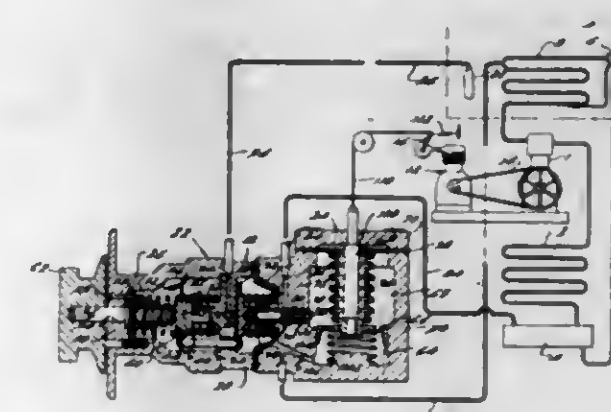
10. A refrigerating system comprising an evaporating means for liquid refrigerant, a receptacle for high pressure refrigerant, means providing a regulated flow of refrigerant from said receptacle to said evaporating means, means for removing gaseous refrigerant from said evaporating means, means regulating the rate at which said removing means removes gaseous refrigerant, a second fluid flow means connected to receive fluid from said

receptacle, control apparatus controlling flow of fluid through said second fluid flow means comprising a fluid flow controlling valve, a controlling means arranged to respond to an operating condition of said evaporating means for controlling said valve, an actuator actuated as a consequence of and deriving energy from the fluid flowing past said controlling valve, and means interconnecting said actuator with said rate regulating means whereby said actuator controls said rate regulating means to regulate the rate at which said removing means removes gaseous refrigerant from said evaporating means.

2,626,507

APPARATUS FOR CONTROLLING REFRIGERATING SYSTEMS

Edward F. Dickleson, Jr., Detroit, Mich.; Nathalie L. Dickleson, executrix of said Edward F. Dickleson, Jr., deceased, assignor to Nathalie L. Dickleson
Application February 4, 1949, Serial No. 74,586
5 Claims. (Cl. 62—6)



1. An apparatus for controlling a refrigerating system having a low pressure portion and a high pressure portion comprising a casing, a pressure sensitive element within said casing having a portion movable as a function of the pressure on said element, means responsive to temperature of a space to be refrigerated for controlling the pressure on said element, means providing a fluid flow passageway adapted to be connected between said system portions, a pressure sensitive actuator sensitive to the pressure in said passageway, controlling means operatively connected to said actuator for actuating thereby as a function of the pressure applied to said actuator, valve means controlling flow of fluid through said passageway for controlling the fluid pressure in said actuator, and means operatively connecting said element portion and said valve means whereby said valve means is operable to control the fluid pressure in said actuator as a function of the temperature of the space and independently of the pressure in said low pressure portion.

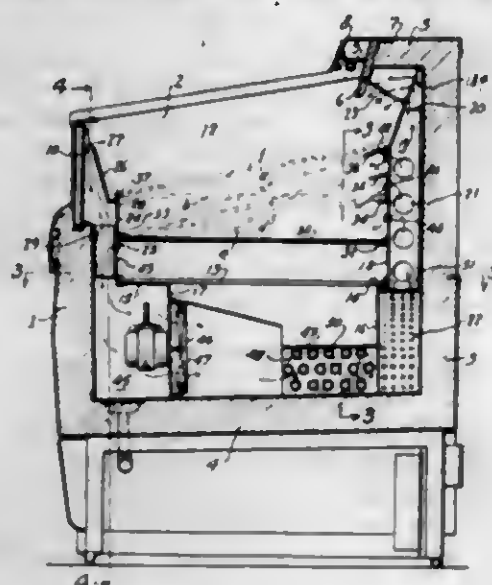
2,626,508

OPEN-TOP REFRIGERATED DISPLAY CASE

George K. Bently, Kendallville, Ind., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind., a corporation of Indiana
Application January 12, 1949, Serial No. 70,555
7 Claims. (Cl. 62—89.5)

1. In an open-top refrigerated display case, a produce display chamber, a broad flue for directing cold air to said chamber, means for forcing cold air through said flue, and an arcuate perforated baffle in the inlet end of the flue serving

to pressurize and distribute the air in various directions into the flue to render the air flow

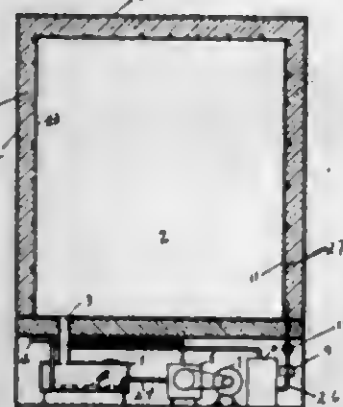


substantially uniform throughout the broad area of the flue.

2,626,509

HIGH-HUMIDITY REFRIGERATOR

Willard L. Morrison, Lake Forest, Ill.
Application March 3, 1950, Serial No. 147,495
1 Claim. (Cl. 62-103)



In a refrigerator, a box having walls to enclose a refrigeration surface, means outside the walls for cooling at least two of the walls and the top of the box to cause condensation of moisture on the walls and top, a duct adapted to discharge the condensed water from the chamber, a receptacle adapted to receive the discharge water, means for heating the water therein and for returning it to the refrigeration chamber through the same duct where it enters whereby the water returns as vapor, being cooled by the condensate which travels through the same channel in opposite directions.

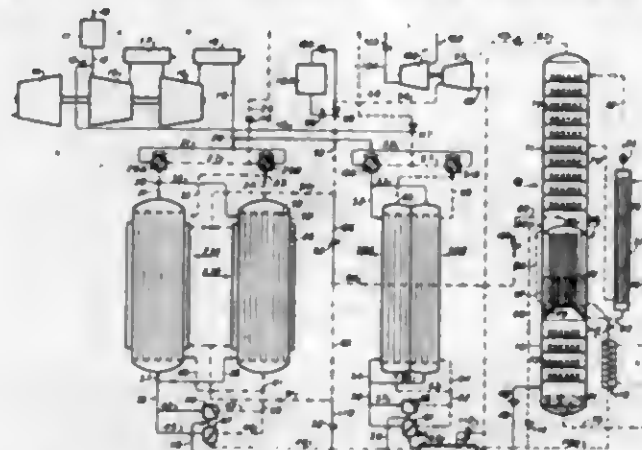
2,626,510

AIR FRACTIONATING CYCLE AND APPARATUS

Clarence J. Schilling, Allentown, Pa., assignor to Air Products, Incorporated, Emmaus, Pa., a corporation of Michigan
Application June 18, 1947, Serial No. 755,286
2 Claims. (Cl. 62-175.5)

1. The method of initiating an air fractionating operation which comprises: compressing a stream of air from the atmosphere and removing the heat of compression; adsorbing from said stream a portion of its moisture content; expanding and thereby cooling the partially dehydrated air stream; returning the expanded air stream in heat interchange relation with said

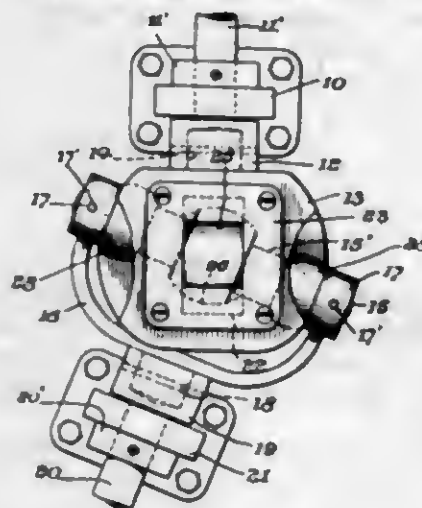
compressed air stream and thence to said step of compression as substantially the total air supply thereto; continuing the circulation of said air stream in a cycle through the steps aforesaid until the cold end temperature in said interchange step is sufficiently low substantially to



2,626,511

FLEXIBLE COUPLING

Charles E. Forsythe, Stony Brook, N. Y.
Application September 26, 1950, Serial No. 186,879
10 Claims. (Cl. 64-7)



1. A flexible coupling as disclosed, comprising a driving shaft, a driven shaft, a driving yoke connected to said driving shaft having a pair of opposed bearing surfaces, a driven yoke connected to the driven shaft, a transverse shaft mounted in said driven yoke, bearing members on said transverse shaft and engaging said bearing surfaces, a ring having a spherical seat mounted in said driving yoke, and a spherical bearing member lying in said ring and mounted on said transverse shaft.

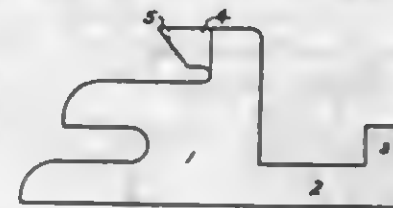
2,626,512

SINKER AND METHOD OF LOOP TRANSFERRING

Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 29, 1951, Serial No. 228,926
3 Claims. (Cl. 66-24)

1. For an independent needle, knitting machine having a dial and cylinder, each of which is provided with a complement of needles, a

sinker having a nib, the tip of which is offset from the rest of the sinker, said tip also being

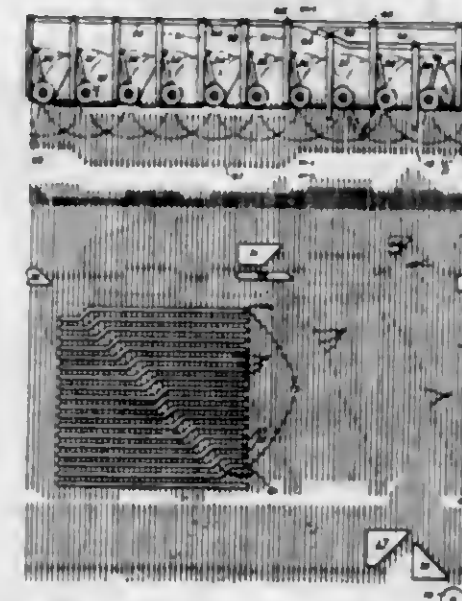


bevelled laterally so that its sides are of unequal length.

2,626,513

KNITTING MACHINE AND METHOD

Vincent Lombardi, South Miami, Fla.
Application March 19, 1949, Serial No. 82,460
41 Claims. (Cl. 66-50)

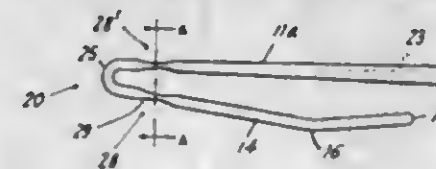


1. A circular knitting machine comprising a needle bed, a sinker bed, elements slidable on one of said beds, at least one set of said slidable elements carrying variously-arranged butts, actuating mechanism, said actuating mechanism and said beds being arranged for relative rotation to set up forward knitting actions in one direction, wrap feeding means swingable in said one direction to feed yarn in said one direction and thereafter swingable in an opposite direction to feed yarn in said opposite direction, means forming a unit with said actuating means in said relative movement for swinging said wrap feeding means in said directions, and cam means forming a part of said actuating mechanism and forming a unit with it in said relative movement for actuating at least certain of the elements of said set in a reverse knitting action in said opposite direction during a portion of one relative rotation.

2,626,514

KNITTING NEEDLE

Peter J. Schoenster, Teaneck, N. J., assignor to Alfred Hofmann Needle Works, Inc., West New York, N. J., a corporation
Application July 19, 1950, Serial No. 174,717
5 Claims. (Cl. 66-119)



1. A knitting needle comprising a shank and a spring beard extending from a bent head, said

shank including a portion formed with a groove to receive said spring beard upon flexure thereof, said spring beard being formed with a reduced transverse section adjacent said head and remote from said groove for controlling the direction of movement thereof upon flexure thereof.

2,626,515

KNITTING NEEDLE AND TRANSFER BIT

Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 14, 1950, Serial No. 155,805
3 Claims. (Cl. 66-95)

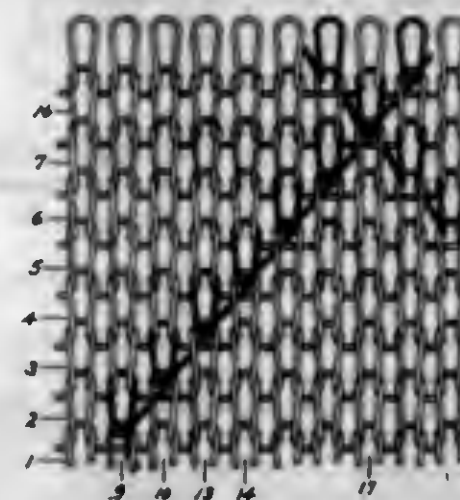


1. For a knitting machine having a dial with needle slots, a dial needle having an operating butt, a shank the width of the upper part of which is such that it will make a sliding fit with the walls of a slot when inserted therein and the lower part of which is longitudinally recessed on one side, said needle also having a cut out portion behind said shank, a tail behind said cut out portion the bottom of which is above the bottom of said shank, a separate transfer bit having a butt adapted to fit within the cut out portion of said needle, and also having a tail adapted to underlie the tail of said needle, said tail having such vertical width that, when assembled with said needle, the lower edge of said transfer bit will be in alignment with the bottom of said shank, said transfer bit also having a resilient blade adapted to be seated within said recess of said shank so that said needle and said transfer bit may be drawn into said needle slot and also being adapted to separate laterally from said shank when said needle and transfer bit project from said slot sufficiently to effect transfer.

2,626,516

METHOD OF KNITTING

Isaac H. C. Green, Pawtucket, R. I., assignor to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts
Application February 27, 1951, Serial No. 212,990
7 Claims. (Cl. 66-201)



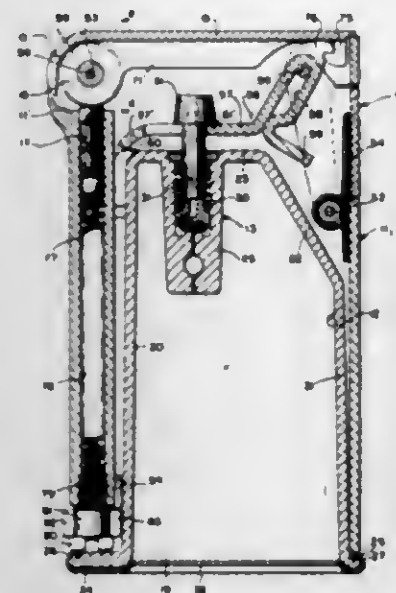
1. A method of reciprocary knitting for a circular knitting machine which consists of knitting a pattern of a body yarn on one side of the leg of a stocking and simultaneously knitting an overplaid pattern on the other side and thereafter on the same stroke of the machine, knitting an overplaid pattern into the body yarn pattern

first mentioned and knitting a body yarn pattern around the overplaid pattern first mentioned and then reversing the direction of knitting and then knitting an overplaid pattern on the side first mentioned simultaneously knitting a body yarn pattern on the other side and then knitting a body yarn pattern around said overplaid pattern and then knitting an overplaid pattern into said last mentioned body yarn pattern and thereafter repeating this two course sequence as many times as desired.

2,626,517

CIGARETTE LIGHTER

Lawrence T. Ward, East Orange, N. J.
Application March 10, 1951, Serial No. 214,950
3 Claims. (Cl. 67-7.1)



1. A cigarette lighter comprising a casing having longitudinal and transverse side walls, a top plate pivoted at one end and adapted to co-act with igniting means, said top plate being further adapted to close the top of said casing, an inner rectangular fuel tank detachably held within said casing and containing gaseous fuel under pressure, a burner valve disposed in the top of the tank and having a bored plunger valve stem, a burner head on said valve, a finger depressible element disposed in a side wall and having means to engage the top plate in closed position, a lever pivotally secured to the finger element and fulcrumed at its opposite end on said tank, said lever element having a centrally disposed aperture therein for engaging said burner head.

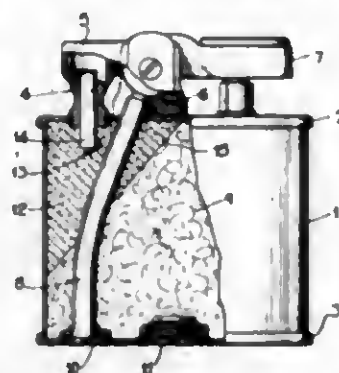
2,626,518

LIGHTER FUEL FEEDING STRUCTURE

Warren I. Nissen, Newark, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application April 30, 1948, Serial No. 24,235
1 Claim. (Cl. 67-7.1)

In combination, a lighter casing having therein a fuel chamber and a wick hole communicating with said chamber, sparking mechanism positioned to direct sparks toward the mouth of said wick hole, a mass of porous material within said chamber and interposed between the inner end of said wick hole and the remainder of said chamber, said mass being adherently secured in substantially fluid-tight relation to the wall portions of the casing which are adjacent said wick hole, said porous mass comprising granular material united into a substantially rigid body, said porous mass having therein an internal wick receiving passageway communicating with said

wick hole and terminating within said mass whereby fuel flowing from the fuel chamber to

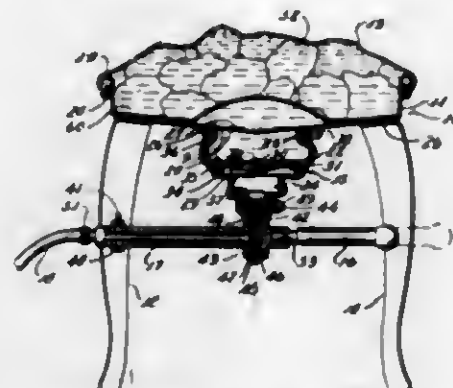


said passageway is compelled to flow through said mass.

2,626,519

DRIER

Fred B. Pfeiffer, Akron, Ohio
Application June 3, 1947, Serial No. 752,028
2 Claims. (Cl. 68-242)

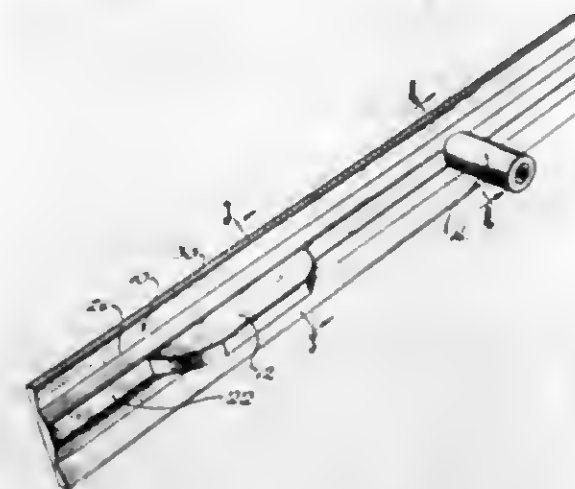


1. A clothes drier comprising a body portion adapted to receive wet clothes to be dried, a flexible diaphragm impervious to air or steam, the upper marginal edges of said body portion having continuous turned-over edges, said diaphragm terminating at its edge portion in an elastic bead composed of rubber which bead is of shorter length than the length of said turned-over edge, said bead being adapted to snap over said turned-edge thereby providing a fluid tight cover over said body portion, a drainage sump formed in the bottom of said body portion and the bottom of said body portion sloping toward said sump, a screen overlying said bottom, said screen having a raised dome shape center portion, a perforated plate concave on its upper surface covering the opening into said sump, said sump having a reduced neck portion adjacent its upper portion and at least one outlet hole through its bottom portion, supporting means for said body portion, an outlet pipe pivotally mounted on said supporting means, said pipe extending under said body and having a communicating check valve mounted on its inner end portion, a flexible pump diaphragm of frusto-conical shape when extended and extending between and connecting said sump and said check valve, said pump diaphragm being in fluid tight attachment to said sump and check valve, said outlet pipe having an extended portion on its end opposite its pivotal attachment, a pump handle slidably attached to said outlet pipe on said extended portion, and a flap attached to the underside of the bottom of said sump and with said bottom forming a check valve, said last mentioned check valve being of such size and so located that when closed it covers said opening through the bottom of said sump whereby water and vapor may be pumped from said body portion.

2,626,520

PLASTERER'S DARBY

Edward A. Whalen, Chicago, Ill., assignor to Wha-Lite Products, a copartnership composed of Edward A. Whalen and Sidney F. Lundberg, Chicago, Ill.
Application February 11, 1948, Serial No. 7,599
3 Claims. (Cl. 72-136)

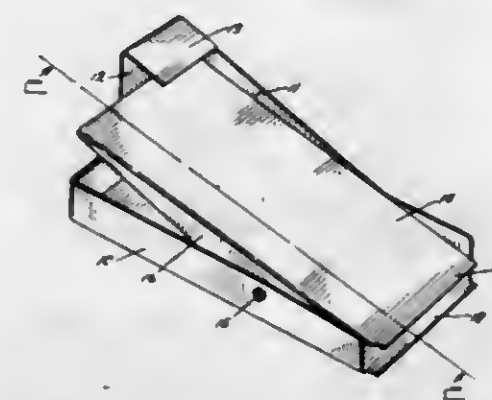


3. A darby comprising a long narrow strip of light weight metal, the front or working surface of said strip being flat and the back of said strip having thickened longitudinal edges, a pair of handles secured to the back surface of said strip, and at least one of said edges being serrated by notches formed therein at an angle of about 45° to the working surface, each of said notches having substantially flat adjacent surfaces arranged at about 90° to each other.

2,626,521

MASONRY POINTING TOOL

George R. Ruedi, Denver, Colo.
Application March 31, 1950, Serial No. 153,191
1 Claim. (Cl. 72-138)

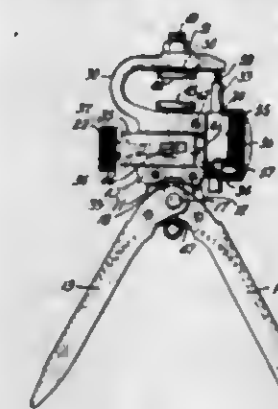


A masonry pointing tool comprising: an open topped pan having an open front; a lower lip projecting forwardly from the bottom of the pan beyond the open front thereof; a tilting plate; pivot means tiltingly mounting said tilting plate adjacent its forward extremity on and over said pan; a lip projecting forwardly from said tilting plate above and in alignment over said first lip, one side wall of said pan extending angularly upward alongside said tilting plate and closing the space between the rear extremity of the tilting plate and the pan when the latter extremity is at its maximum raised position; and an upwardly extending rear end wall portion on said pan extending to the maximum raised position of said extremity.

2,626,522

APPARATUS FOR MEASURING THE MODULUS OF COMPRESSION OF RUBBERLIKE MATERIAL

Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 7, 1948, Serial No. 53,199
6 Claims. (Cl. 73-94)

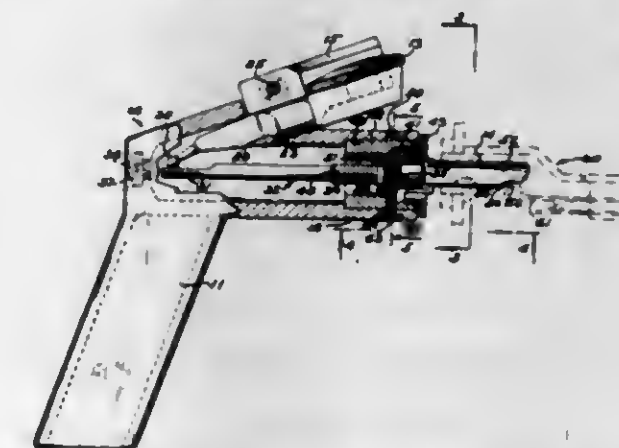


2. A device for measuring force at a given value of strain comprising a frame, an arm integral with the frame, overhanging the frame in spaced relation thereto and adapted to be deflected by the force of compression, a plunger carried by the frame in sliding relation with respect thereto and movable to and from said arm, means carried by the frame and adapted to urge said plunger toward said arm under manual pressure, means carried by said frame for indicating the amount of deflection of said arm, slide means carried by the frame and slidable transversely of said plunger, limit means on said slide means providing variable limits of travel of said plunger, and stop means carried by said plunger and engageable with said limit means.

2,626,523

SPRING CONTACT TESTING APPARATUS

Harold S. Pike, Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1946, Serial No. 718,217
6 Claims. (Cl. 73-161)



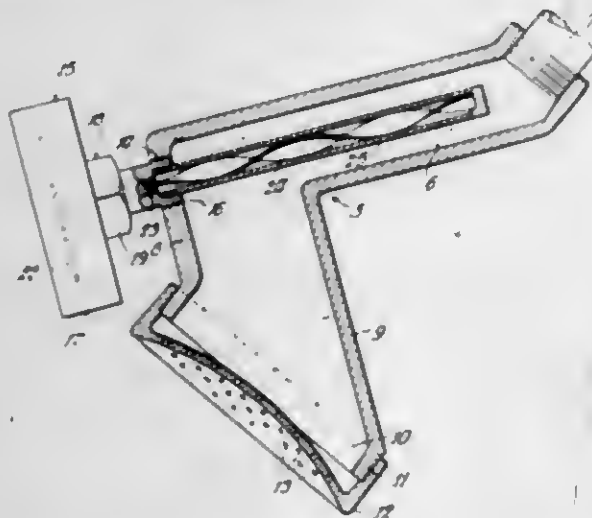
1. An apparatus for testing spring characteristics comprising a hollow generally tubular housing, a displacement responsive indicating device mounted on said housing and having a contact member, said contact member being displaceable to actuate the indicating device, a diaphragm clamped at its periphery in said housing, a lever extending through and secured to said diaphragm normal to the plane of said diaphragm, one end of said lever extending into said housing and engaging said contact member and the other end extending out of said housing and adapted to

engage an element to be tested, and a guide tube around the last said end of said lever, said guide tube being fastened to the housing and fittable into a socket positioned in front of the contact member, said tube having a cut-away portion to expose a portion of the last said end of said lever.

2,626,524

SHOWER BATH SPRAY HEAD THERMOMETER

Slingsby D. Harman, Galesburg, Ill.
Application November 23, 1945, Serial No. 630,166
1 Claim. (Cl. 73-343)

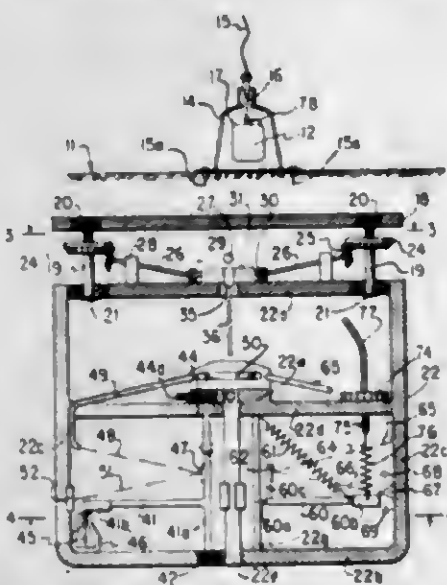


A combined bath spray head and temperature indicator, comprising an angular fluid conducting body, one leg thereof being provided at one end with means for connection to a water pipe, the other leg terminating in a flared outwardly directed discharge nozzle, a perforated cap covering said discharge nozzle, a thermometer having a dial and pointer mounted on the front of said body near the junction of said legs, and having a bi-metallic thermal responsive element extending axially within the first leg of said body.

2,626,525

APPARATUS FOR AEROGRAVIMETRIC PROSPECTING

Carl A. Helland, Denver, Colo.
Application July 8, 1946, Serial No. 681,907
4 Claims. (Cl. 73-382)



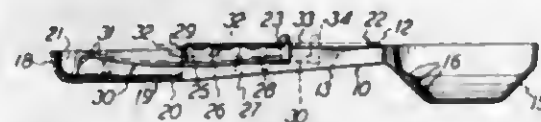
1. In apparatus for gravimetric surveying from aircraft, a gravity measuring device adapted to be lowered to the ground from said

aircraft and comprising a ground engaging frame having a supporting plate, a gravity measuring instrument suspended from said plate by leveling means, and means comprising two horizontal pendulums normally located in right-angularly disposed planes for automatically operating said leveling means to level said instrument in two directions.

2,626,526

ADJUSTABLE MEASURING VESSEL

Frank R. Chester, Santa Monica, Calif.
Application May 23, 1950, Serial No. 163,773
7 Claims. (Cl. 73-429)

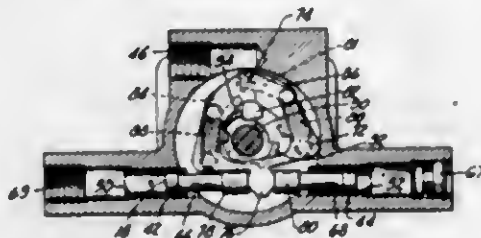


1. An adjustable measuring device, comprising: a handle member provided with an elongated receptacle at one end, said receptacle having a wall at one end and an opening at its other end; a flexible adjusting member adjustable longitudinally along said handle member and extending through said opening, said adjusting member having a transverse flange disposed within said receptacle, said flange being adapted, when said adjusting member is adjusted longitudinally, to vary the volume of said receptacle defined between said wall and said flange; and lug means on said adjusting member engaging said handle member and flexing said adjusting member, so as to retain said flange within said receptacle and to provide frictional resistance to sliding movement of said adjusting member.

2,626,527

SNAP ACTION VALVE MECHANISM FOR RECIPROCATING PISTONS

Robert E. Meyers, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 15, 1948, Serial No. 65,443
4 Claims. (Cl. 74-97)



1. A valve actuating mechanism comprising a valve member to be actuated, a rotatable element, an actuating lever pivotally supported at one end with the other end operatively connected to the valve member, a yoke member pivotally carried about the same axis as the actuating lever and relatively movable with respect thereto, said yoke member being provided with oppositely extending arms and a depending member located intermediate said arms, a spring interconnecting each of the arms to said actuating lever, and a coupling device carried by the rotatable element and constructed and arranged for engagement with said depending member for imparting rotation to said yoke, said device being equipped with means for engaging said actuating lever for holding the same against rotation until said rotatable element has rotated a predetermined distance, at which time said actuating lever is disengaged for moving said valve member.

2,626,528

DRIVE FOR SOUND RECORDING AND REPRODUCING MACHINES

Ernst Keller, New York, N. Y., assignor to Machine Tool Works Oerlikon, Administration Company, Zurich/Oerlikon, Switzerland, a company of Switzerland
Application March 13, 1950, Serial No. 149,233
3 Claims. (Cl. 74-210)

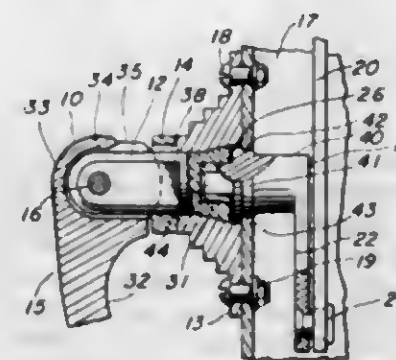


1. In a sound recording and reproducing machine having a driving roller and a driven drum, a drive comprising, in combination, a lever having a pivoted end, a rotary device upon the other end of said lever, a rotary member, a pivot carrying said rotary member, a plate carrying said pivot, means supporting said plate for a shifting movement in a direction at right angles to said pivot, and means shifting said plate and said rotary member from an inoperative position to an operative position and vice versa, said rotary device being in engagement with said rotary member, said rotary member in its operative position engaging said drum and causing said rotary device to engage said driving roller.

2,626,529

HANDLE ASSEMBLY FOR JALOUSIES AND VENETIAN WINDOWS

Henry N. Quoss, Fort Lauderdale, Fla., assignor to J. E. Bush, Dallas, Tex.
Application June 30, 1950, Serial No. 171,309
7 Claims. (Cl. 74-528)

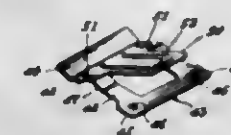


3. A handle assembly for operating and locking jalousies and Venetian windows in adjusted positions and adapted to be mounted on a support including, a base plate having a bore, a portion of the bore being conical, a spindle rotatably mounted in said bore and having a complementary conical portion, a lever pivotally connected to the spindle, a cam ring confined upon said spindle between the plate and lever so as to be rotatable with said spindle, the cam ring being engaged by the lever upon pivotal movement of said lever for urging the conical portion of said spindle into tight engagement with the conical portion of said bore to lock said spindle against rotation, and an angular rotatable arm journaled and confined in and extending through the support and connected to said spindle so as to be rotatable and locked against rotation therewith.

2,626,530

RATCHET STRUCTURE FOR RING COMPRESSORS

Leon B. Miller, Stamford, Conn.
Application December 30, 1948, Serial No. 68,211
11 Claims. (Cl. 74-575)



1. In a ratchet structure for ring compressors including a rotatable member having ratchet teeth, a one-piece, deformable stamping constituting a resilient detent having fixed and movable ends and being adapted to normally engage said teeth with its movable end and having a depressible lever element superimposed over a portion and forming an integral part of the detent and being adapted for moving the teeth-engaging part of the detent to a teeth-disengaging position when depressed toward said fixed end of the detent.

2,626,531

SAW SETTING TOOL

Lyle Tomlinson, Eugene, Oreg.
Application January 5, 1951, Serial No. 204,511
5 Claims. (Cl. 76-73)



4. A saw setting tool comprising an elongated handle structure, an anvil disposed on one end of said handle structure, and a gauge secured to said handle structure intermediate the length of the latter and adapted to be placed against the sides of a saw blade to measure the set of the saw teeth, said gauge comprising a cruciform structure extending along and spaced from said handle structure and said anvil, said cruciform structure comprising four arms successively disposed at right angles to each other with their surfaces remote from said handle structure substantially in a common plane, contact buttons on the outer ends of three of said arms having flat outer surfaces disposed substantially in a common plane spaced from and parallel to the first mentioned plane, and a contact button adjustably mounted on the outer end of the fourth arm.

2,626,532

CUTTING TOOL MOUNTING AND METHOD OF MAKING

John F. Romans, North Royalton, Ohio, assignor to The Metch & Merryweather Machinery Company, Cleveland, Ohio, a corporation of Ohio
Application November 21, 1951, Serial No. 257,600
4 Claims. (Cl. 76-101)

3. The method of forming a tooth for inserted-tooth rotary cutting tools such as milling cutters and the like which includes the steps

of cold rolling a plurality of like sockets in one face of such tooth, and then performing a coin-

low speed with said tool in a predetermined angular position, and power means controlled by

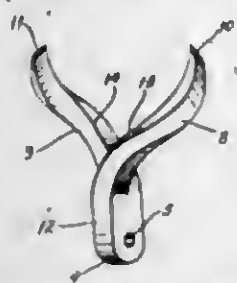


ing operation normal to such face to true such sockets to identical dimensions and contours.

2,626,533

MANUFACTURE OF BITS FOR MINING DRILLS

Elmer J. Huckshold, St. Louis, Mo., assignor to Central Mine Equipment Company, St. Louis, Mo., a corporation of Missouri
Application October 12, 1949, Serial No. 120,998
1 Claim. (Cl. 76-108)



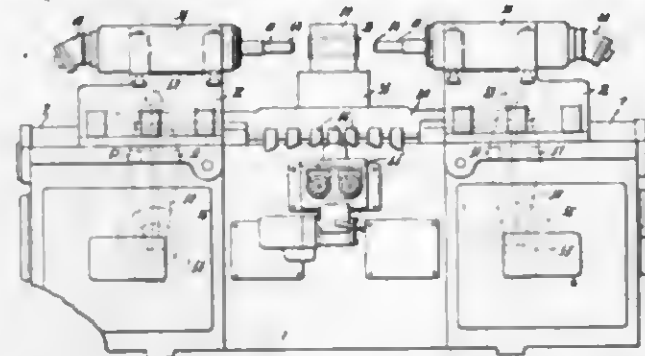
In the manufacture of V-shaped bits wherein two prongs diverge from their root with a shank of substantially rectangular cross-section to a distance substantially radially outward from said shank, the method comprising, providing a strip of bit stock having a cross-section corresponding to that of the shank of the bit to be made, cutting blanks from said stock of a length corresponding to that of one prong plus that of the shank, slitting the blank along its longitudinal central axis for a distance from one end corresponding to the length of a prong to provide two equisized parallel prong parts coextensive with the slit, said prong parts having free ends at said one end of the blank and having their opposite ends making root with a shank part beyond the slit, spreading the free ends of said prong parts apart until said prong parts are in substantially right-angular relationship with each other on the plane of said slit, and then turning the free ends of said prong parts oppositely across the plane of slitting so that the free end of each prong is on the opposite side of said plane from the root thereof.

2,626,534

DIAMOND BORING MACHINE

Merton H. Arms and Leon J. Barnard, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application September 30, 1947, Serial No. 776,892
8 Claims. (Cl. 77-3)

1. A boring machine comprising a base, parts one of which comprises a carriage mounted for reciprocation on said base and the other of which comprises a bridge carried by said base and extending over said carriage, a shaft journaled on one of said parts and extending in the direction of motion of said carriage, a work support carried by the other of said parts, a boring tool carried by said shaft, power means for rotating said shaft, means controlling said power means to first slow the rotation of said shaft to a predetermined low speed and then stop such rotation from said

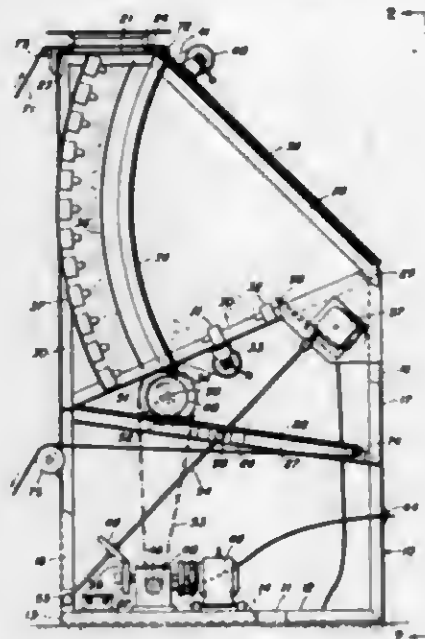


said controlling means for thereupon springing the part carrying said tool in a direction to retract said tool radially from the work.

2,626,535

CLOTH INSPECTION APPARATUS

John J. Owen and Ralph W. Fell, Charlottesville, Va., assignors to Institute of Textile Technology
Application February 23, 1949, Serial No. 77,916
4 Claims. (Cl. 88-14)



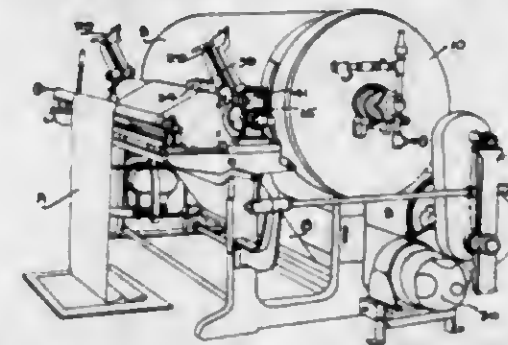
1. Apparatus for inspecting moving strips of light-transmitting material, which comprises the combination with a housing defining an inspection cabinet having an exterior observation station, the cabinet having a closed upper section and a base section open at the front thereof, the upper section including an angularly disposed top wall, a stationary mirror mounted on the said angularly disposed top wall having its reflecting surface facing inwardly and downwardly, transparent arcuate guide means rearwardly disposed in the upper section of the cabinet facing the reflecting surface of the fixed mirror, the arcuate guide means being engaged by the strip being inspected for guiding the strip in an arcuate path past the observation station, a series of light sources adapted to uniformly illuminate the strip material as it passes along the arcuate path, the light source being spaced rearwardly and concentrically relative to the transparent arcuate guide means, an arcuate light-diffusing member spaced in advance of the light sources and substantially concentrically disposed relative to the transparent arcuate guide means, an abrasion-protecting flexible transparent sheet engaging the transparent guide means intermediate the strip material and the guide means, cooperating actuating sheaves for the abrasion-protecting sheet, one of the said sheaves being mounted adjacent to the top of the

cabinet, the other of the said sheaves being adjacent to the bottom of the top section of the cabinet, the said sheaves being adapted to sustain the protecting sheet in a radial path against the transparent arcuate guide means, actuating means for moving the protecting sheet against the transparent arcuate guide means and the strip material being inspected, driving means for moving the strip material against the transparent guide means and over a supporting means in the lower section of the cabinet, the said fixed mirror reflecting an image of the illuminated strip material to a viewing observer in front of the open front of the cabinet, the said strip material being illuminated by transmitted light passing through the light-diffusing member, thence through the transparent protecting sheet, the strip material, and the transparent guide means, an oscillating mirror positioned relative to the fixed mirror for receiving light rays from the fixed mirror and reflecting the said received light rays to the viewer in front of the opening in the cabinet, actuating means for oscillating the oscillating mirror, and control means for synchronizing movements of the oscillating mirror and strip material for producing a stationary image of the moving strip material to view of the observer.

2,626,536

APPARATUS FOR MEASURING YARDAGE OF DECATED MATERIAL

Stanley D. Greenberg, Philadelphia, Pa.
Application December 22, 1949, Serial No. 134,382
5 Claims. (Cl. 88-14)



1. In an electronic system for measuring the length of cloth or other sheet material as it is delivered from a source of supply: a light source operatively disposed in relation to the material for establishing a system of light rays reflected from said material; a light responsive device arranged to intercept said light rays and establish an electric current in correspondence with the intensity of said reflected light, an electrically operative counter mechanism operative to indicate successive increments of length of the material as the latter traverses said light source; and current responsive means operative to initiate and interrupt length-measuring action of said counter mechanism accordingly as said material reflects and ceases to reflect light rays to said light responsive device, said last-mentioned current responsive means including a pair of electromagnetically operated switches which are respectively operable at different currents established by said light responsive device accordingly as the color of the material varies the intensity of the light rays reflected to said light-responsive means.

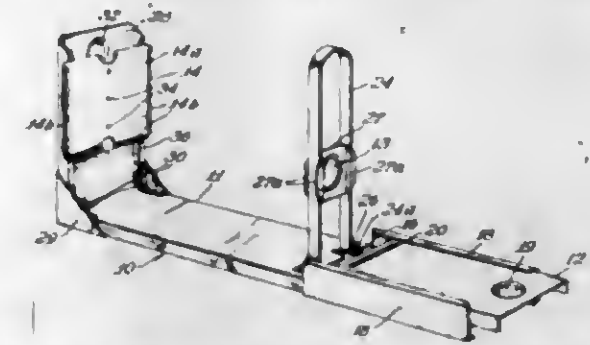
2,626,537

MOVIE CAMERA TITLING APPARATUS

Arthur S. Flank, Chicago, Ill.
Application March 12, 1951, Serial No. 215,109
9 Claims. (Cl. 88-24)

1. A portable breakdown titling device for a movie camera comprising an elongated body

member, camera support means slidably mounted on one end of said body for adjustable movement along the longitudinal axis thereof, a focusing lens, means carried by said body member at an intermediate portion thereof to adjustably support said lens for movement relative to said body member, a leg member, support means at the other end of said body member, said support means having channeling elements to insertably

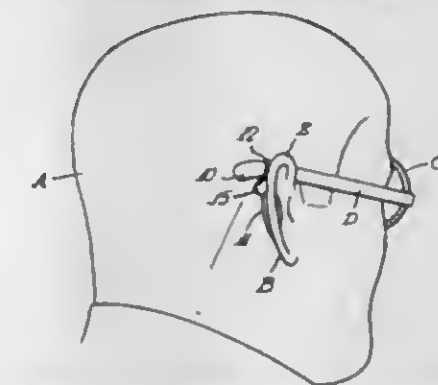


receive said leg member in firm assembly with said body member, and title positioning means slidably supported by said leg member for adjustable movement along an axis normal to said body member axis, said leg member having a boss portion forming together with said support means a pedestal base for said leg member whereby said titling device may be selectively employed vertically and horizontally.

2,626,538

TEMPLE RETAINING DEVICE

Samuel Frum, New York, N. Y.
Application July 12, 1949, Serial No. 104,287
1 Claim. (Cl. 88-52)



In an eyeglass temple of the type extending rearwardly above and beyond the top of the base of the ear without hooking in back of the ear, the combination therewith of an adjustable rubber retention member having a stretchable short tubular portion to be stretched and telescoped upon the temple and a downwardly and rearwardly curved non-stretchable plate member having a forward edge curved concavely to conform to the upper rear surface of the base of the ear.

2,626,539

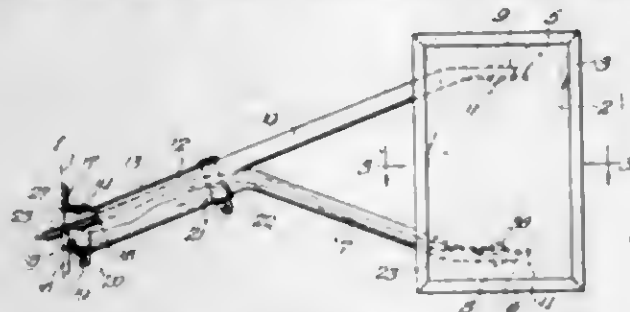
ADJUSTABLE REARVIEW MIRROR

Milton C. Peterson, Lakeside, Wash., assignor to J. E. M. Co., Portland, Ore., a corporation of Oregon

Application July 7, 1950, Serial No. 172,485
2 Claims. (Cl. 88-93)

1. A rear view mirror for a vehicle, comprising a mirror, a mirror frame, spaced brackets projecting from said frame, a bifurcated member forming spaced arms at one end thereof, at least one of said arms being of tubular cross section, said spaced arms being secured pivotally to said brackets intermediate the ends of the latter, a

cable secured at one end to the free end of one of the intermediately pivoted brackets, said cable entering the tubular arm adjacent the pivotal connection of the latter with said bracket and ex-

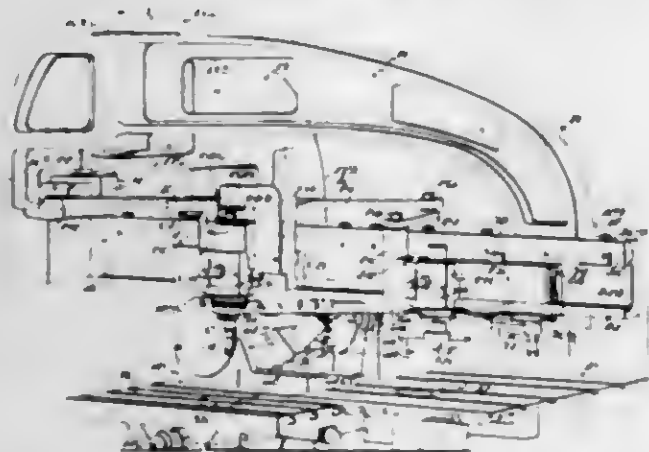


tending through said tubular arm into said vehicle, and control means within the vehicle connecting said cable for adjusting the position of said mirror.

2,626,540

THREE-DIMENSIONAL ENGRAVING AND THE LIKE REPRODUCING MACHINE

Theodore F. Eserkain, Wauwatosa, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application November 15, 1947, Serial No. 786,264
7 Claims. (Cl. 90—13.1)



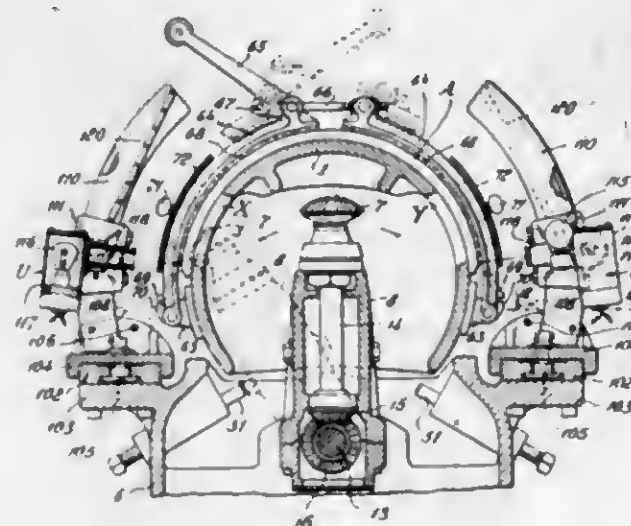
1. In a three dimensional reproducing machine, in combination, a beam structure pivotally mounted at one end thereof for lateral swinging bodily about an axis perpendicular to the plane of lateral swing and for swinging bodily in a plane perpendicular to the plane of lateral swing about an axis perpendicular to the axis of lateral swing, slide units mounted on said beam structure for reciprocation thereon independently thereof and relative to each other in a straight line path along the longitudinal axis of said structure, a fixed pivot on said beam structure at the pivoted end of such structure, each of said slides being provided with a pivot thereon parallel with said fixed pivot on the beam structure, movement transmitting mechanism pivotally connected between said fixed pivot and said slide pivots for causing movements of said slides in scaled relation to each other, said mechanism embodying a clamp block pivotally mounted on said fixed pivot, a link member mounted in said clamp block for adjustment therein longitudinally of the link and extending forwardly from said beam structure, a link pivotally mounted on the pivot on the outermost of said slides and extending rearwardly across said beam structure, a clamp block pivotally mounted on the pivot on the innermost of said slides, a bar member mounted in the clamp block on said innermost slide and being adjustable therein longitudinally of the member, said bar member being extended across said beam structure with its rear end piv-

otally connected to the link on said outermost slide unit intermediate the ends of said link and being connected at its forward end with the forward end of said link in the clamp block on said fixed pivot on the pivoted end of said beam structure, and a second bar member parallel with said first mentioned bar member and being pivotally connected between the rear end of the link on said outermost slide unit and a location intermediate the ends of said link mounted in said fixed pivot clamp block.

2,626,541

STEREOTYPE PLATE FINISHING MACHINE

Charles L. Ricards, South Plainfield, Isidor Tornberg, Plainfield, and Paul L. Tollison, North Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application October 1, 1948, Serial No. 52,323
14 Claims. (Cl. 90—15)



1. A stereotype plate finishing machine comprising in combination a frame, a cylindrical saddle carried on said frame and having longitudinally extending side openings at circumferentially spaced points therein, means for releasably securing a stereotype plate on said saddle over part of said openings, a cutter bar journaled in said frame to swing about an axis parallel to the axis of said saddle, rotary pocket milling cutters carried by said cutter bar eccentrically of its axis, means to swing said cutter bar to move said cutters alternately through said openings and into engagement with a plate on said saddle, and plate end cutters carried by said cutter bar adjacent one end of said plate and movable with said cutter bar through parts of said openings into alternate engagement with opposite portions of an end face of said plate.

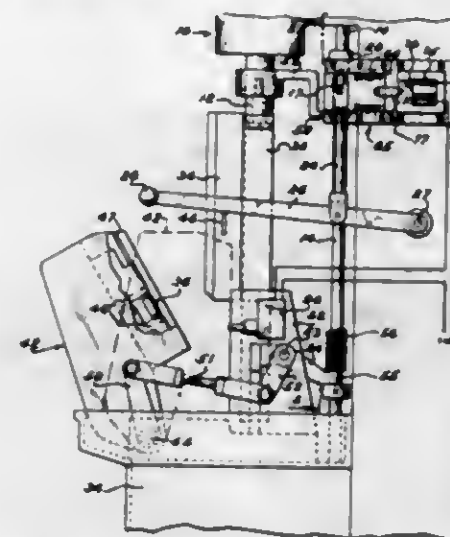
2,626,542

ELECTRICALLY OPERATED SAFETY INTERLOCK FOR BROACHING MACHINES

Charles F. Tritelline, Downers Grove, and Ben L. Wright, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1950, Serial No. 162,946
5 Claims. (Cl. 90—33)

1. An interlocking device for a broaching machine having a broach actuating ram reciprocable in response to actuation of a control means including an element movable to and from forward, neutral and reverse positions and a work holding fixture movable to and from a closed position for holding the work in alignment with said broach, said interlocking device comprising a member

having portions defining an irregular slot for receiving said element therein to limit the movement of said control means, means mounting said member for movement transversely to the movement of said lever to and from a first position and a second position, said irregular slot having an intermediate portion for receiving said element when said element is in neutral position to permit movement of said member to and from its first and second positions, said irregular slot having a first end portion extending transversely from said intermediate portion in one direction and operable when said plate is in said first position for receiving said element and limiting the

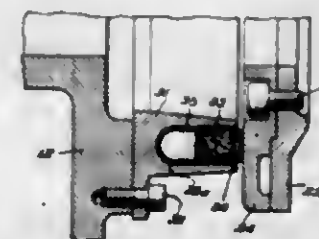


movement thereof to and from reverse and neutral positions, said irregular slot having a second end portion extending transversely from said intermediate portion in the opposite direction and operable when said plate is in said second position for receiving said element therein and limiting the movement of said element to and from forward and reverse positions, and means operable in response to movement of said work holding fixture from its closed position to move said member to its first position and operable in response to the movement of said work holding fixture to its closed position to move said member to its second position.

2,626,543

FLUID PRESSURE SEALED GARTER STRAP FOR CYLINDER MOLDS

Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application October 27, 1948, Serial No. 56,808
5 Claims. (Cl. 92—43)



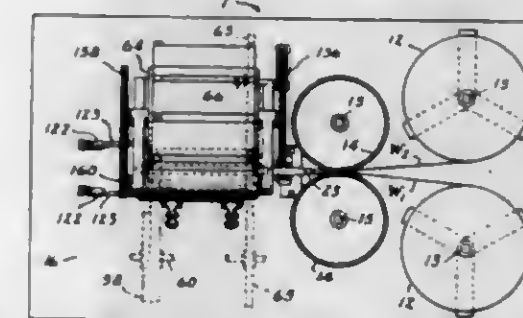
1. A seal adapted for the end face of a paper making machine cylinder mold rotatably mounted in a vat, comprising an arcuate mounting block for attachment to an interior wall of said vat adjacent a mold end face to oppose the mold end face in concentric relation therewith, an arcuate round-bottomed groove formed in said block, a resilient sealing strip of rectangular cross-section slidably mounted in said groove, and an expansible tube originally of circular cross-section adapted to be connected to a source

of fluid under pressure and snugly bottomed in said groove for urging said strip into contact with said mold end face, said tube being partially deformed from its original circular cross-section by its fluid pressure contact with said sealing strip and the expansion of said tube under pressure maintaining said strip in contact with said mold cylinder by sliding movement of said strip in said groove despite wear of the strip whereby the fluid pressure in said tube is uniformly applied via said strip throughout the contact area between said strip and said mold end face.

2,626,544

APPARATUS FOR AND PROCESS OF MANUFACTURING ENWRAPMENTS

Clarence W. Vogt, Norwalk, Conn.
Application July 29, 1948, Serial No. 41,384
23 Claims. (Cl. 93—1)

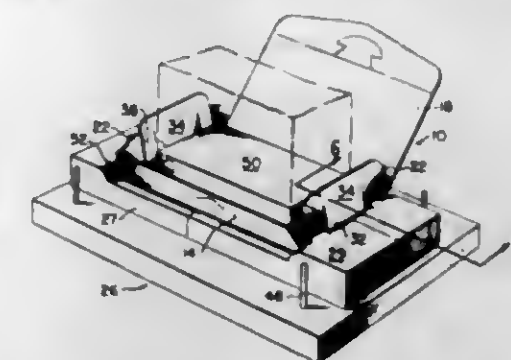


1. A method of manufacturing connected enwrapments which comprises feeding a series of pairs of tubular enwrapments with the axes of each pair of tubular enwrapments in spaced substantially parallel arrangement, connecting adjacent portions of the members of said pairs together, and connecting each member of said pairs of tubular enwrapments to one of a pair of elongated strips while feeding said elongated strips in spaced substantially parallel arrangement with each other.

2,626,545

APPARATUS FOR SETTING UP BOX BLANKS

Rolf A. Samsing, Braintree, Mass., assignor to Carton Engineering Corporation, Braintree, Mass., a corporation of Massachusetts
Application October 11, 1951, Serial No. 250,909
2 Claims. (Cl. 93—51)



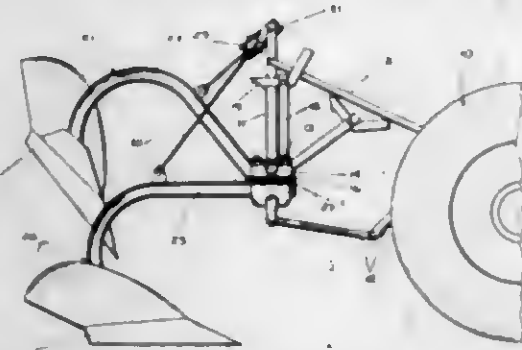
1. Apparatus for setting up to box form a flat blank having a bottom panel together with side and end panels, tuck flaps with outwardly projecting locking ears integral with the ends of the side panels and two parallel slits in each end panel for receiving the adjacent tuck flaps, comprising a form for receiving the blank and having a rectangular opening therethrough corresponding in area to said bottom panel and marginal surfaces at the opening for folding the side and end panels upwardly as the bottom

panel in horizontal position is forced downwardly through the opening, the marginal surface of the form at each end of the opening including a recess for receiving the intermediate portion of the end panel disposed between the slits and shoulders at the ends of the recess for supporting the blank outwardly of the slits, thereby spreading the slits open to receive the tuck flaps, and curved surfaces on the form outwardly of the shoulders for holding the tuck flaps inwardly into alignment with the open slits.

2,626,546

TWO-WAY PLOW

John C. Moomaw, La Verne, Calif., assignor to Alice Marian Mellen, Whittier, Calif.
Application February 24, 1947, Serial No. 730,277
2 Claims. (Cl. 97-29)



1. In combination in a two-way earth-working implement: beams respectively carrying oppositely arranged earth-working tools adapted to be raised and lowered in synchronism; upstanding frame means upon which said beams are pivotally mounted to swing vertically as they are raised and lowered; means for supporting said frame means upon a tractor provided with a power lift for automatically raising and lowering said frame means, beams, and earth-working tools as a unit; normally upstanding control arms disposed in fixed angular relationship to the respective beams; latch means movably borne by upper portions of the respective control arms, each of said latch means having a hook portion and said frame means having a locking portion engageable by each hook portion for locking the respective control arm, beam, and tool in earth-working position; and an engageable portion on each of said latch means for engagement to actuate said latch means for lifting said hook portion from the respective locking portion of said frame means.

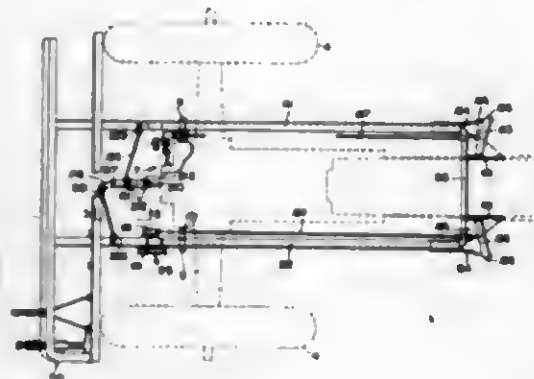
2,626,547

CULTIVATOR

John H. Starr, Mayville, Wis., assignor to John Deere Van Brunt Company, Horicon, Wis., a corporation of Wisconsin
Application March 20, 1948, Serial No. 16,047
2 Claims. (Cl. 97-47)

2. In a tractor propelled agricultural implement adapted to be connected with a tractor having a centrally fixed, rearwardly extending drawbar, said implement including frame means having generally fore and aft laterally spaced frame members, the improvement comprising an equalizing lever, means for mounting said lever at its central portion on said tractor drawbar for swinging movement about a generally vertical axis, a pair of links extending from opposite ends of said equalizing lever to said laterally spaced frame members, respectively, for restraining said implement from moving laterally relative to the tractor, and means for pivotally

connecting the inner and outer ends of said links with the ends of said lever and said spaced

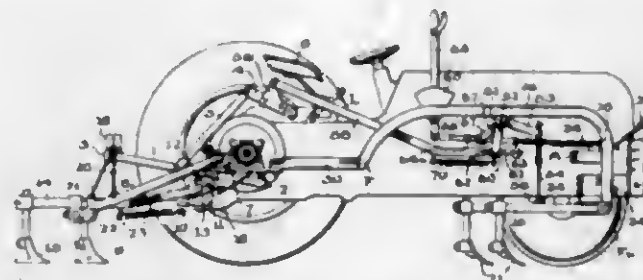


frame members for both horizontal and vertical swinging movement relative thereto.

2,626,548

RIGID IMPLEMENT FRAME FOR FOUR-WHEELED TRACTORS

John Lomar Williams, Jackson, Tenn.
Application March 30, 1950, Serial No. 152,878
11 Claims. (Cl. 97-47)



5. In a tractor of the class having rear drive wheels between which is disposed a rear axle housing, a driving motor arranged at the front of the tractor, and a transversely disposed front axle pivoted at its center to a fixed part of the tractor, the combination with said tractor of a rigid, unitary implement supporting frame extending longitudinally on one side of said tractor, means for detachably but rigidly connecting the rear end of said frame to said rear axle housing to receive a longitudinal thrust from the axle housing when the tractor is in motion, said frame having an intermediate portion extending above the front tractor axle and forwardly of said axle, the forward end portion of said frame extending downwardly from said intermediate portion in front of said axle, a rigid yoke secured to the block of said motor at the front end of the motor and below said front axle, and means at the lower end of said downwardly extending forward end portion for detachably securing said forward end portion to said yoke.

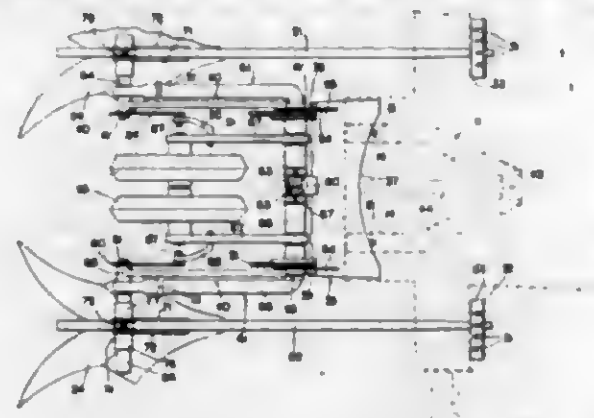
2,626,549

QUICK DETACHABLE TRACTOR MOUNTED LISTER

Walter H. Silver and Robert E. Cox, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 6, 1945, Serial No. 586,954
15 Claims. (Cl. 97-47)

15. An implement comprising tool means including a pair of tool beams, a pair of draft transmitting members, each having front and rear generally laterally directed sections, means on each beam receiving one of said sections of said draft transmitting members, a common hitch

member for both of said draft transmitting members, and means on said hitch member for re-

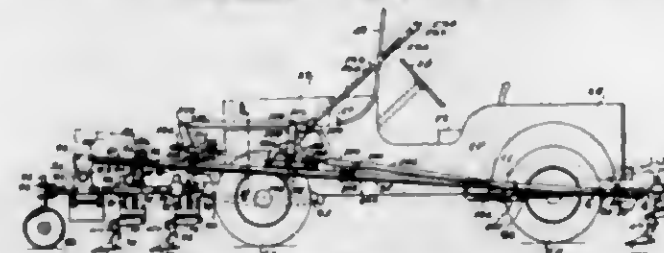


ceiving the other laterally directed section of each of said draft transmitting members.

2,626,550

VEHICLE MOUNTED IMPLEMENT

Fred L. Derror and Ralph P. Gramly, Mansfield, Ohio, assignors of one-half to Farm Tools, Inc., Mansfield, Ohio, a corporation of Indiana, and one-half to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application October 9, 1946, Serial No. 702,306
4 Claims. (Cl. 97-47)



2. In combination with a vehicle having four power driven road wheels and a frame; a pair of struts disposed at either side of the vehicle; the rear extremities of said struts being pivotally supported adjacent the rear of the vehicle frame; a load moving implement mounted upon the forward portions of said struts and disposed forwardly of the vehicle; means supported upon the vehicle frame and arranged for engagement with said struts for elevating and lowering said struts and load moving implement; a bar pivotally connected to each of said struts; each of said bars being configured for interengagement with said struts at points spaced from the pivotal connection of said bars therewith, and coil springs connecting each of said bars and the means for elevating and lowering the load moving implement and the struts and being tensioned when said bars are in interengagement with said struts for partially counterbalancing the weight of said load moving implement and struts when the load moving implement is in elevated position.

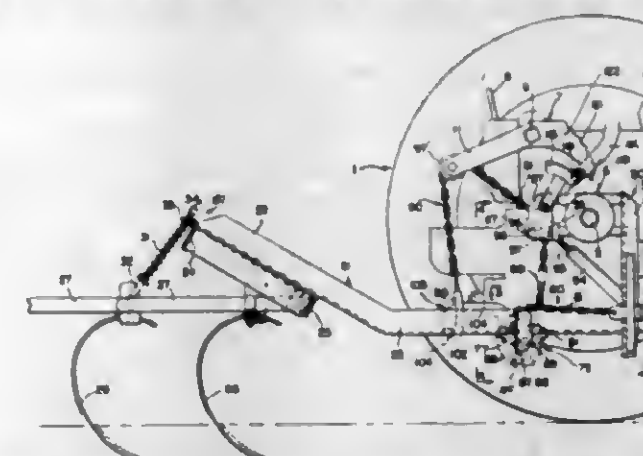
2,626,551

CULTIVATOR

John H. Starr, Mayville, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application November 30, 1946, Serial No. 713,340
17 Claims. (Cl. 97-47)

7. A field cultivator comprising a mobile support, a tool frame extending generally longitudinally thereof, hitch means connecting the forward end of said frame with said support for generally fore and aft movement relative thereto, a pair of interconnected cam members mounted for

rocking movement on the generally rearward portion of said frame, a generally longitudinally extending draft element connected between one of said cam members and said support so as to receive draft therefrom, and a generally upwardly extending lifting element connected be-

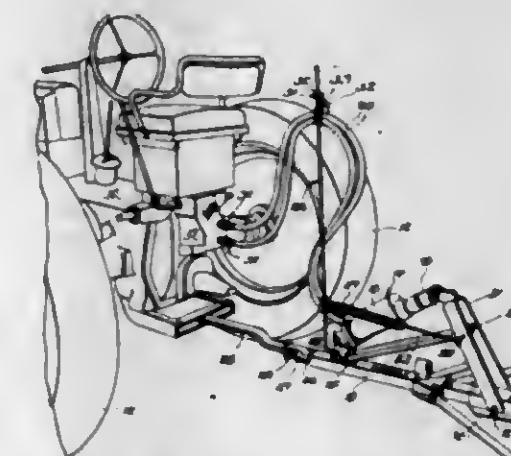


tween the other cam member and said support, said cam members being so angularly related that in operation the draft pull is counterbalanced against the effective weight of said frame and tool means and any tendency for the tool means to run into the ground, whereby substantially constant depth of operation is secured.

2,626,552

CONDUIT SUPPORT FOR VEHICLE TRAINS WITH CONDUIT-CONNECTED FLUID DEVICES

William P. Oehler and Charles H. Youngberg, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 19, 1948, Serial No. 60,956
2 Claims. (Cl. 97-50)



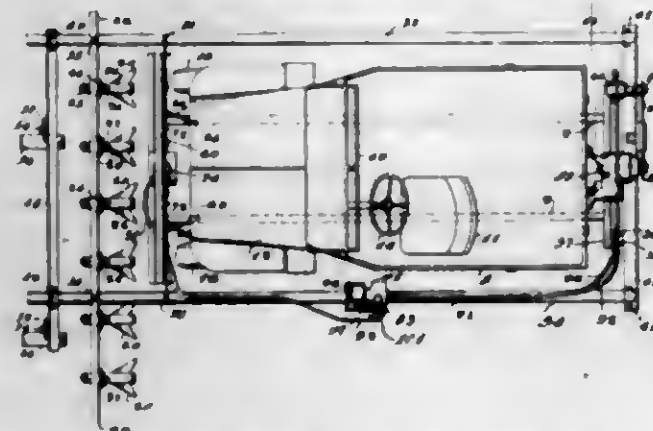
1. For use with a propelling vehicle and a trailing unit, such as an implement or another vehicle, interconnected for forward travel in unison by means including a separable hitch, wherein the propelling vehicle and trailing unit respectively have fluid devices spaced apart longitudinally when the propelling vehicle and unit are normally hitched and wherein the fluid devices are interconnected by a flexible, sinuous or looped fluid-transmitting conduit that is connected to the propelling vehicle fluid device by a coupling that is separable in response to the application of excess forces thereto, as when the hitch separates and the propelling vehicle continues ahead without the trailing unit; a conduit carrier comprising a support for mounting on the trailing unit; a rod having a lower bent end, providing a pivot on a transverse axis and connected to the support for forward and rearward swinging, and an upright portion extending above a direct line between said devices; stop means between the

rod and support for limiting rearward movement of the rod; biasing means normally holding the rod upright and against the stop means but yieldable to accommodate forward swinging of the rod; and means connected to the upright portion of the rod at a point thereon above a direct line between the devices for supporting the conduit in looped form.

2,626,553

VEHICLE MOUNTED IMPLEMENT

George M. Newlin, Farmington, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application October 10, 1945, Serial No. 621,542
1 Claim. (Cl. 97-50)



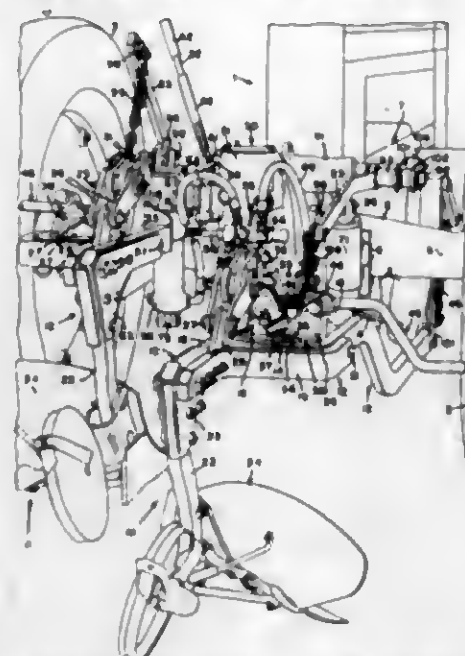
In combination with a vehicle having a power take-off mechanism, an operator's compartment, four main supporting power-driven wheels and a frame, a transverse bar rigidly secured to the rear of the vehicle frame, a pair of tubular booms disposed outside of and adjacent opposite sides of the vehicle, respectively, said booms being of greater length than said vehicle and extending longitudinally of the vehicle to project forwardly in front of the vehicle, means connecting said booms adjacent their rear ends to said transverse bar for pivotal movement about a horizontal axis, a transversely-extending beam secured to both said booms in front of said vehicle, a soil-working implement mounted on said beam, a fluid pump mounted on said vehicle at the rear thereof and connected to said power take-off mechanism to be driven thereby, a second transverse bar secured to both said booms in front of said transversely-extending beam, a plurality of ground-engaging wheels carried by said second transverse bar in front of said soil-working implement and mounted for vertical adjustment relative to said second transverse bar for determining the relative position of said implement with respect to said vehicle when said implement is in operative position, a vertically-disposed hydraulic cylinder supported upon the vehicle behind said beam, a piston reciprocable vertically in said cylinder, a pair of vertical bars individually supported by said vehicle and mounted adjacent said hydraulic cylinder, a pair of diagonal bars having one end connected to said vertical bars, a horizontal bar connecting the other end of said diagonal bars, pulleys mounted at the points of connection of said diagonal bars, cables connecting both booms with said piston and supported and guided by said pulleys, whereby movement of said piston in opposite directions in its cylinder raises and lowers, respectively, said booms and the soil-moving implement and ground-engaging wheels carried thereby, fluid-conveying means connecting said pump with said cylinder, and a control valve connected to said pump and said cylinder and associated with said fluid-conveying means for controlling the direction of flow of the operating fluid from said

pump to said cylinder, said valve being mounted on one of said booms adjacent the operator's compartment of the vehicle in position to be operated manually from said compartment.

2,626,554

POWER LIFT FOR TRACTOR MOUNTED IMPLEMENTS

Walter H. Silver and Robert E. Cox, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 11, 1946, Serial No. 661,368
9 Claims. (Cl. 97-50)



6. In a tractor mounted plow adapted to be mounted on a tractor having a power lift and a rear axle and in which said plow includes a generally longitudinally extending plow beam disposed generally underneath the tractor rear axle and extending forwardly thereof at the forward end of the beam, the combination of a first arm, means for pivotally mounting said arm on the tractor, means for connecting said arm with the front end of said plow beam for raising the front end thereof when said first arm is swung in one direction, a power lift actuated arm adapted to be movably mounted on the tractor adjacent said pivoted arm, said power lift actuated arm having two ranges of movement, motion-transmitting means movable with said power lift actuated arm and operatively engageable with a portion of said pivoted arm, said portion being shaped whereby movement of said power lift actuated arm during only one of said ranges of movement acts through said motion-transmitting means and said pivoted arm to raise the front end of said beam, and means connected to move with said power lift actuated arm during movement of the latter through its other range of movement and operatively connected with said beam, said last mentioned connecting means including lost-motion means, whereby only movement of said power lift actuated arm through said other range of movement serves to raise said plow beam relative to the tractor.

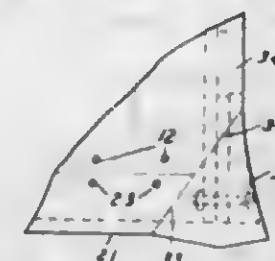
2,626,555

TWO-PIECE SHARE

Ralph C. Frevik, Detroit, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application January 5, 1950, Serial No. 136,884
1 Claim. (Cl. 97-125)

A plow construction comprising in combination a frog, said frog having angularly disposed mold-

board and landside faces, said moldboard face being arcuately shaped, a landside having a tapered forward end, a plate-like spacer element a curved moldboard having its lower front tip and adjacent landside edge removed to provide a terminal shoulder, means for securing said landside to the landside face of the frog with said spacer element interposed therebetween and spaced rearwardly of said forwardly tapered portion of said landside, thereby defining a recess between said forward tapered portion of the landside and the frog, means for securing said curved moldboard to said arcuate moldboard face of said frog, a share wing, means for securing said share wing to said moldboard face of said frog, said share wing having its forward end spaced rearwardly of the front edge of said frog, a replaceable combined share point and shin element having an arcuate surface blending with



the curvature of said moldboard, said element including a lower point portion overlying the forward extremity of the landside and an integral upwardly and rearwardly projecting extension on said element generally overlying the landside to define a shin portion for the moldboard, a rearward lug integrally formed on the rear face of said element adjacent to, but spaced from, the landside edge of said share point, said lug fitting snugly into said recess in flatwise contact with said frog when said element abuts the moldboard face of said frog and contacts the terminal shoulder of said moldboard and said share wing, with said extension overlying said forward tapered portion of said landside and replacing the removed landside edge of said moldboard to provide a removable shin therefor, and bolt means for securing said combined share point and shin element to said moldboard face of said frog.

2,626,556

AIR DISTRIBUTOR

Leonard Gordon Davies, Great Bookham, England
Application May 15, 1950, Serial No. 162,024
In Great Britain October 21, 1948
3 Claims. (Cl. 98-40)



3. An air distributing assembly for use in air ducts comprising two cooperating intersecting sets of louvers, each transversely notched along one edge, the notches in the louvers having the shape wherein the sides of each notch converge inwardly from the edge of the louver towards oppositely disposed median points spaced from each other a distance sufficient to admit an intersecting louver of the cooperating set and thereafter diverge towards a wide base of the notch, and said oppositely disposed points forming pivotal supports for the longitudinally continuous section of the intersecting louver beyond the corresponding notch in said intersecting

2,626,557

VENTILATOR

Sam Hersch, Los Angeles, Calif.
Application August 28, 1950, Serial No. 181,723
2 Claims. (Cl. 98-58)

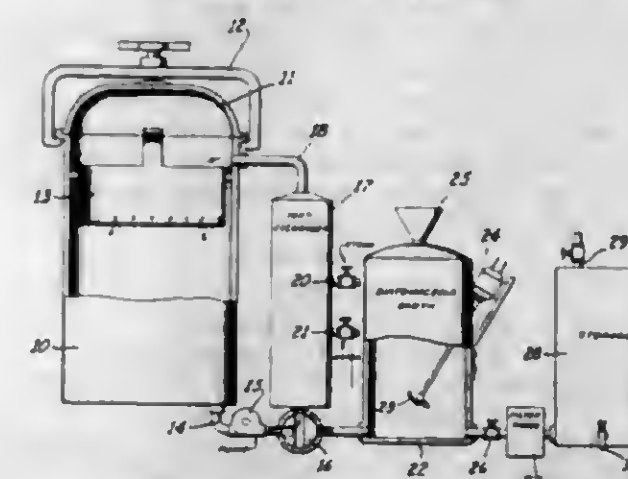


1. A ventilator comprising in combination an upright cylinder having a plurality of openings about the periphery thereof on different levels, a plurality of channels extending radially from the axis of said cylinder thru said openings adapted to carry liquid falling within the cylinder thru said openings to the exterior of said cylinder, the openings on successive levels being staggered so that the effective cross section of said cylinder is substantially covered by the aggregate of said channels, the inner ends of the channels on any one level having openings therein lapped at the cylinder axis, the outer ends of the channels being bent over to form tab means adjacent the exterior surface of the cylinder, a cross member extending diametrically across the top edge of said cylinder, annular spacers disposed on the cylinder axis between the several levels of channels, and an axial bolt passing thru the lapped openings in the inner ends of the channels, thru the intercalary spacers, and thru the center of said cross member, serving by itself and without more to hold the ventilator together into a firm, compact structure.

2,626,558

METHOD OF PREPARING COFFEE

Jacob R. Stein, Beverly Hills, Calif.
Application January 7, 1949, Serial No. 69,680
4 Claims. (Cl. 99-71)



1. The method of preparing a coffee beverage which consists of brewing roasted and ground coffee and water at a pressure of approximately twenty-five pounds per square inch for fifteen minutes, quickly cooling the coffee to approximately 190° F., adding to the brew positively and negatively charged diatomaceous earth, fil-

tering the brew, adding to the filtrate a small percentage of nordihydrogualeic acid, and packaging the product in hermetically sealed containers.

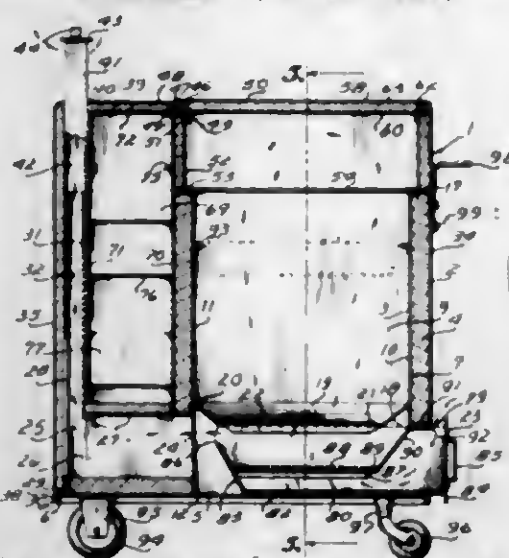
2,626,559

PORTABLE BARBECUE OVEN

Kurt E. Rau, Kansas City, Mo.

Application October 15, 1949, Serial No. 121,540

2 Claims. (Cl. 99-259)



1. In a portable barbecue having a case defining a cooking space with a grate supported in the upper portion of the cooking space for supporting food to be cooked and an opening in the case at the lower portion of the cooking space, an ash pan slidable in the lower portion of the cooking space and having an end adapted to close the opening in the lower portion of the cooking space, said pan having a bottom and upwardly extending side and inner end walls, a fuel grate in the ash pan spaced from the bottom thereof with one end adjacent the inner end wall and the other end spaced from the ash pan end which closes the opening in the case, a transverse partition in the ash pan secured to the side walls thereof and extending from said other end of the grate and terminating adjacent the upper edges of the walls of the ash pan in spaced relation to the end which closes the opening in the case whereby when the pan is moved to open the opening air will enter between said end and partition and be directed under the fuel grate to support combustion of the fuel, the smoke and heat moving up in the cooking space, baffles mounted in the cooking space above the side and end walls of the ash pan for directing drippings from the cooking food onto fuel on the fuel grate to wet same and facilitate formation of smoke, a smoke vent communicating with the lower portion of the cooking space between the ash pan and dripping baffle, and a smoke stack mounted in the casing in spaced relation to the cooking space and having communication with the smoke vent to produce a draft in the cooking space.

2,626,560

PRESSURE COOKER

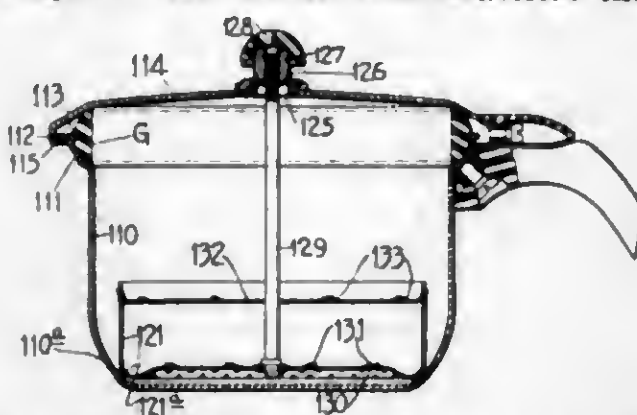
Otto M. Burkhardt, Euclid, Ohio

Application May 16, 1947, Serial No. 748,377

2 Claims. (Cl. 99-319)

1. A cooking utensil comprising a container with an opening only at the top thereof, a separate closure for said opening, an annular sealing gasket arranged between said closure and container for sealing engagement therebetween, said closure having a centrally disposed vent, a perforated holder of predetermined weight located within said container, said holder having a centrally disposed rigid stem extending upwardly

into said vent and having provided directly thereupon a sealing cap for effective engagement within said vent for sealing the same, the effective weight of said holder with material there-



within to be treated being sufficient to hold said sealing cap in sealing position up to only the predetermined point of intended relief of internal pressure.

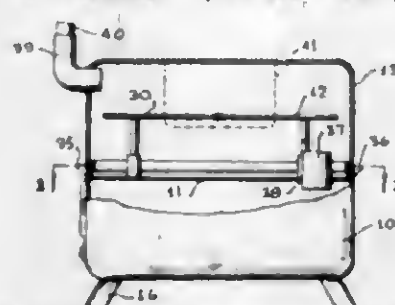
2,626,561

COOKSTOVE

William Delvin Fortune, De Witt, Ark.

Application July 11, 1950, Serial No. 173,106

3 Claims. (Cl. 99-447)



1. A cook stove comprising a fire box having an open top, a shallow pan marginally supported at the open top of the latter, a draft tube extending through said pan and providing a draft passage communicating with the interior of said fire box and with the space above said pan, a grille supported on said pan and spaced thereabove, an oven having an open bottom supported at its bottom edge on said pan marginally of the latter and enclosing said pan and said grille, sockets secured on said pan one near each corner thereof, and legs depending from said grille and respectively received in said sockets.

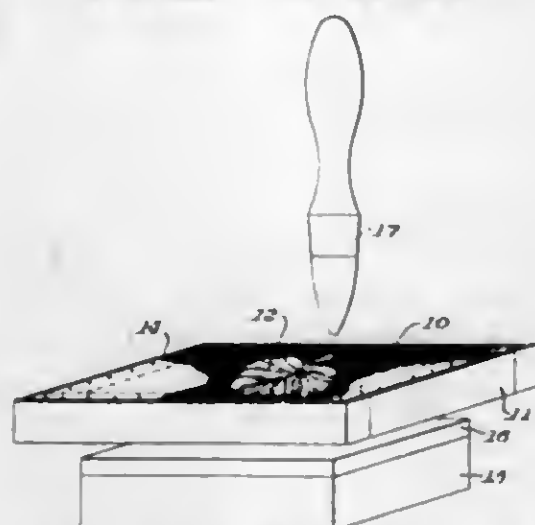
2,626,562

EMBOSSED DECORATING

Howard P. Fischer, Monaca, Pa.

Application March 23, 1948, Serial No. 16,509

8 Claims. (Cl. 101-127)



4. The method of producing an embossed decoration on an article through an open screen

stencil which consists in making impressions of variable depth by indenting the screen mesh in the article side of the stencil portion of the screen, bringing the impressed indented surface of the screen stencil and the surface of the article into engagement, and by a single application forcing a decorating material through the screen stencil to the surface of the article by a wiping squeegee action to flow and deposit the decorating material in varied thicknesses in accordance with the impressions indented in the screen mesh.

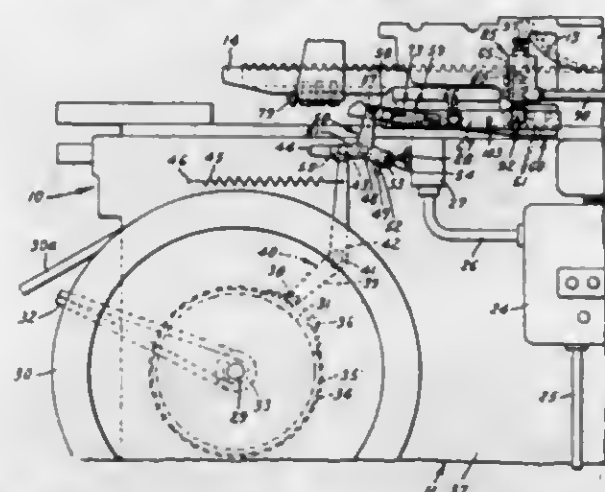
2,626,563

AUTOMATIC SHUT-OFF FOR PRINTING PRESSES

John F. Banthin, Bridgeport, Conn.

Application May 25, 1948, Serial No. 29,013

13 Claims. (Cl. 101-276)



1. In a printing press including an impression cylinder, a transfer mechanism for transferring sheets from a pile to said cylinder, said transfer mechanism including a suction system, a bed reciprocable beneath said cylinder, a main drive shaft, a drum on and rotatable with said shaft, a brake band about said drum, a lever controlling tightening of said band about said drum to stop the same and said shaft, a spring normally urging said lever to position to tighten said band on said drum, a trigger device for retaining said lever in position against the tendency of said spring and with said brake band in released position, a control circuit for the driving of said press, and a micro-switch controlling said circuit and positioned for operation by said trigger as the latter is moved to release said lever for tightening of said brake band on said drum, a trip device on said press, means connected in said suction system and maintaining said trip device in inoperative position while said system is closed and releasing said trip device for movement to operative position on opening of said system to atmospheric pressure, and means on said bed and operative during movement of the latter in one direction to engage said trip device when the latter is in its last mentioned position and shift the same to operate said trigger to open said micro-switch and release said lever to permit movement of the latter by said spring to tighten said brake band on said drum whereby to bring said press to a stop.

2,626,564

SAFETY STOP FOR BED AND CYLINDER PRINTING PRESSES

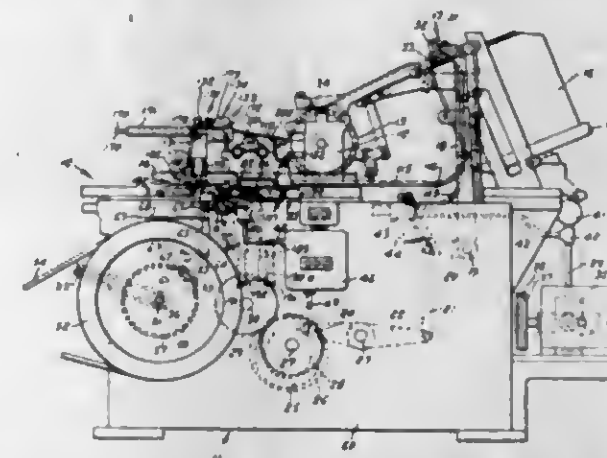
John F. Banthin, Bridgeport, Conn.

Application November 16, 1949, Serial No. 127,706

5 Claims. (Cl. 101-278)

2. In a printing press including an impression cylinder, a transfer mechanism for transferring

sheets from a pile to said cylinder, a second transfer mechanism for transferring sheets from said cylinder, a frame, a bed reciprocable on said frame beneath said cylinder, power means, control means operable to control said power means whereby the press is started and stopped, trigger means for effecting the operation of said control means, and a trigger tripping mechanism comprising a primary member movably mounted on said frame for movement from a normal position to a moved position, means under the control of one of said transfer mechanisms for moving said primary member into its moved position on failure of said transfer mechanism to transfer a sheet, a secondary member movably mounted on said primary member for movement from a normal position to a moved position in which latter position it actuates said trigger means in control



operating direction, an actuating part for said secondary member movably mounted on said reciprocating bed for movement from a normal position to a moved position, a contact part on said secondary member arranged to be contacted by said normally positioned actuating part as it reciprocates in the direction of the trigger actuating direction of movement of said secondary member, said contact part being out of the path of said normally positioned actuating part in the normal position of said primary member and being moved into said path in the moved position of said primary member, and means under the control of the other of said transfer mechanisms for moving said actuating part, on failure of said other of said transfer mechanisms to transfer a sheet, into position to engage said contact part when said primary member is in its normal position.

2,626,565

TICKET AND STRIP PRINTING MACHINE

Ulysse Schuster, Ixelles-Brussels, Belgium

Application July 18, 1947, Serial No. 761,795

In Belgium January 7, 1944

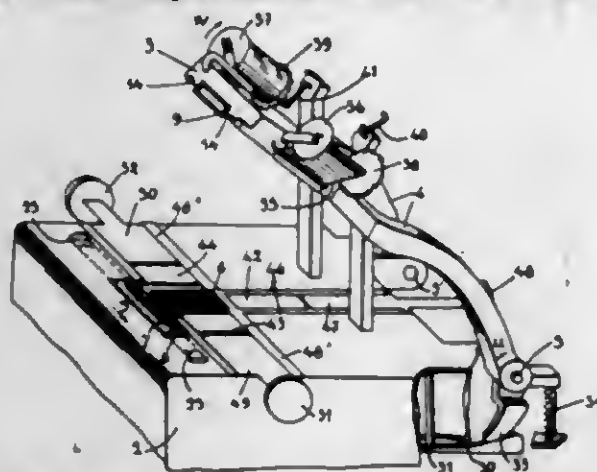
Section 1, Public Law 690, August 8, 1946

Patent expires January 7, 1964

15 Claims. (Cl. 101-287)

1. A machine for simultaneously printing, on the one hand, inscriptions on individual rigid documents which it delivers at the rate of one after each printing, and, on the other hand, a résumé of these inscriptions on an audit strip which remains in it, comprising, an impression support for the individual rigid documents in their printing position, an impression support for the audit strip in its printing position, a fixed base in which these impression supports are mounted, one magazine for individual rigid documents to be printed upon in which these rigid documents form a stack, means for constantly urging said rigid documents towards the exit of the magazine, a slideway leading from

said magazine to the printing position, a pushing member movable in this slideway, an impression head mounted so as to be able of being moved towards the impression supports until it is applied simultaneously against the individual document to be printed and the audit strip on their respective impression supports and of being moved away from these supports in a direction opposite to that of the approaching movement, a guide for guiding said impression head in its movements, a hand interchangeable stamped printing slug engaged into said impression head in such a manner that the part corresponding to the printing of the résumé on the audit strip and the part corresponding to the printing of the inscriptions on the individual documents are placed one after the other in the direction followed when passing from a line to an other line of the inscriptions on the individual documents, a mechanical connection between said impression head and said pushing member which advances the latter by half its total displacement in a forward direction while the impression head is remote from the printing position and by the other half of its total displacement while the impression



head is close to the printing position, means for permanently urging said pushing member to occupy its starting position, means for disengaging said mechanical connection at the end of the advancing movement of said pushing member, means for advancing the audit strip between two successive impressions, a mechanical connection between these last means and said guide for actuating these means by the displacement of the impression head, a printing ribbon for the printing of the individual rigid documents mounted in said rigid base, a thin support for this ribbon between the latter and an individual rigid document in its printing position, a window in this support for enabling the printing, said window having in the direction of displacement in the machine of the individual rigid documents a length at least substantially equal to the dimension in said direction of the area covered by the printed inscriptions, a plate for hiding said printing ribbon except in front of said window, means for preventing the individual rigid documents from being printed except at their printing position, during their presence in the machine, and a printing ribbon for the printing of the audit strip mounted in said fixed base above said strip.

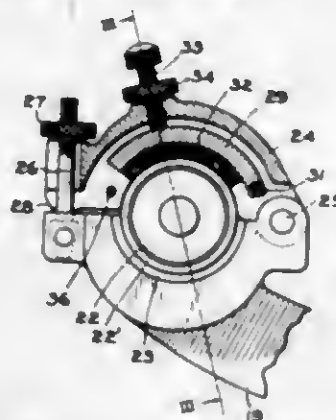
2,626,566

DUCTOR ROLLER CONTROL

Bruno B. Pasquini, Chicago, Ill., assignor to Michie Printing Press and Mfg. Company, Chicago, Ill., a corporation of Delaware
Application July 11, 1950, Serial No. 173,081
4 Claims. (Cl. 101—344)

1. In ductor roller control mechanism for printing presses the combination comprising a ductor

roller, clutch means mounted at one end of said roller, said clutch means having operation to permit independent rotation of the roller in one direction and to rotate with said roller when its direction of rotation is reversed, means journaling said roller for rotation including a bearing cap having side walls arranged to embrace the

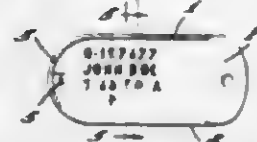


periphery of said clutch means whereby to maintain the roller in its operative position, and means mounted between the side walls of said bearing cap and adjustable independently thereof with respect to said clutch means for restraining the rotation of said clutch means and thereby the roller when the latter is rotated in said reverse direction.

2,626,567

ADDRESS TYPE PRINTING TAG

Lucien E. Vogt, West Roxbury, Mass., assignor to Farrington Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application January 5, 1951, Serial No. 204,510
1 Claim. (Cl. 101—369)



A printing tag comprising a flat sheet-metal casing having straight sides and rounded ends, a flat sheet-metal printing plate having approximately the same contour as said casing, the margin of the casing being bent forwardly over the edge of the plate to form a flange extending substantially continuously along one of said sides, thence along one of said rounded ends and thence along the other straight side, the back of the plate seating flatwise against the casing and the front of the plate having raised printing characters intermediate the sides of said intumed flange, and the plate having an intumed flange bent rearwardly at the end opposite said flanged end of the casing, the plate flange extending substantially continuously from one to the other end of the casing flange, whereby a bent edge extends substantially continuously around the entire device when the plate is slipped into the casing.

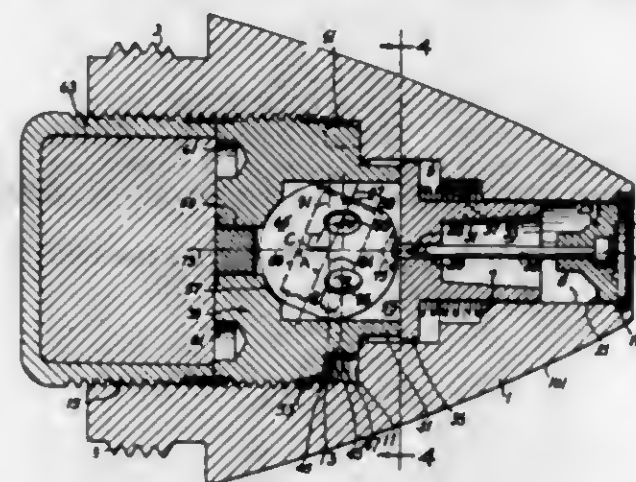
2,626,568

FUSE

Selim S. Podnos, Washington, D. C., Silvio J. Odierno, Jr., Rockaway, N. J., and Parke H. Thompson, Kirkwood, Mo., assignors to the United States of America as represented by the Secretary of the Army
Application August 24, 1949, Serial No. 112,942
3 Claims. (Cl. 102—79)

1. A fuze comprising a hollow body having a target contact point, a normally fixed firing pin extending rearward from said point and adapted to be driven back upon point contact, an axially

movable cup-shaped restrainer having a flat back in which is an opening forming a sheath around the rear end of the firing pin, a rotor housing forming a hollow cup, a spring biasing the restrainer to a position in which its flat back forms a front wall enclosing the open end of the cup and positioning the restrainer so that said opening is effective as said sheath, the rear of said cup being formed as a spherical seat, a spherical rotor in said cup and engaging said seat upon set-back and carrying an axial detonator normally positioned at an angle to the firing pin, said rotor having a truncated portion at the end

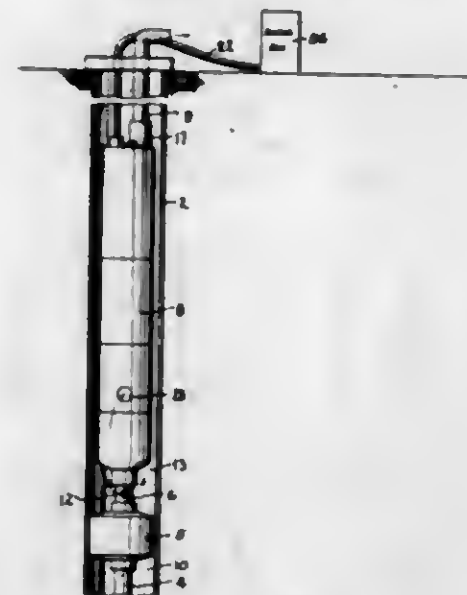


of the detonator, means normally holding the rotor in an angled position of said detonator relative to the firing pin and centrifugally releasable therefrom in response to projectile spin to permit precession of the rotor for aligning the detonator with the firing pin, creep of the rotor under the latter conditions being sufficient to engage the rotor with the restrainer without moving the latter to unsheathing position but the mass of the rotor and restrainer being sufficient to overcome the bias of said spring upon ricochet to carry the restrainer into unsheathing position whereby the detonator engages the firing pin.

2,626,569

LIFT FOR DEEP WELL HYDRAULIC PUMPS

Elmo M. Knudson, Houston, Tex.
Application October 3, 1946, Serial No. 701,023
7 Claims. (Cl. 103—45)



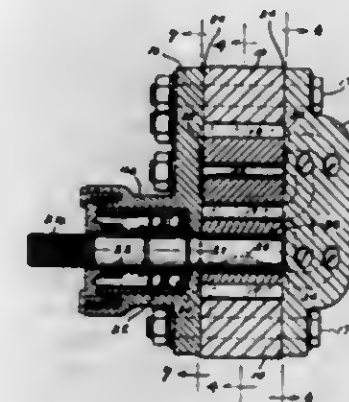
1. A deep well hydraulic pump including a well tubing for the flow of the well liquid being produced, a normally cylindrical resilient flexible diaphragm member sealed, an inlet and an

outlet valve for said member to provide a diaphragm chamber, therein, and hydraulic pump means to alternately compress and allow expansion of said diaphragm to discharge liquid from and draw into such diaphragm a charge of liquid from the well being pumped respectively, said hydraulic means including a reservoir adjacent the diaphragm member, connections to a cylinder about said diaphragm for power liquid from said reservoir, an electric motor and power liquid rotary pump in one of said connections, switch means operable by the pressure of such power liquid and pressure in said pump member to alternate current to reverse said motor and pump to effect the pumping of power liquid into or out of said reservoir.

2,626,570

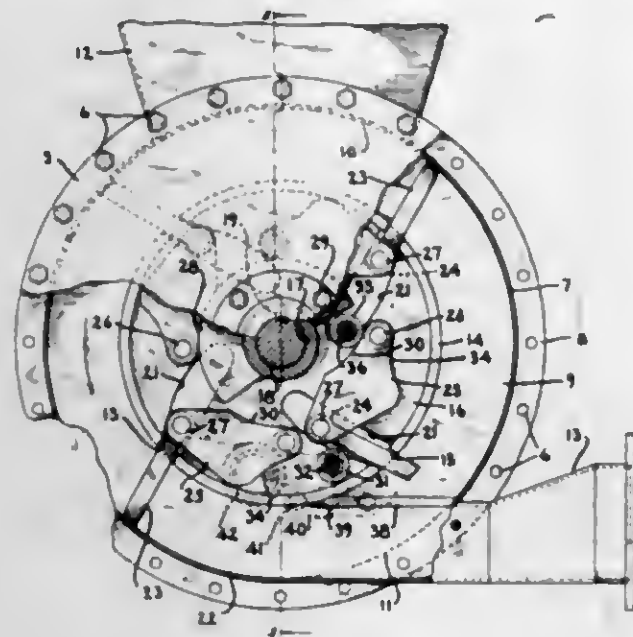
FLOATING GEAR PUMP

Raymond Q. Armington, Shaker Heights, and Walter F. Double, Wickliffe, Ohio, assignors to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application June 13, 1947, Serial No. 754,350
2 Claims. (Cl. 103—126)



1. A device for use with hydraulic fluid comprising in combination two gears coacting at an intermeshing zone between them, a housing closely surrounding said gears except at said zone, fluid inlet and outlet passageways at said zone permitting fluid flow tangentially of said gears, ports in said housing adjacent the teeth of each of said gears and diametrically opposite the teeth of said gears exposed to pressure from said inlet and outlet passageways, said ports in each instance including chambers wholly adjacent opposite end faces of the teeth and within the periphery of the gear, said chambers on opposite ends of the teeth at a given point being substantially equal in tooth area covered, said ports covering approximately the same number of teeth as the respective diametrically opposite teeth exposed to pressure from said passageways, passage means for conducting pressure from said inlet and outlet passageways respectively to said ports diametrically opposite, a shaft rigidly secured to one of said gears axially thereof and extending outside of said housing and there provided with a drive connection, and the other of said gears being free of any connection and floating in said housing, there being an opening provided extending axially through said floating gear, and recesses in said housing adjacent opposite end faces of said floating gear communicating with said opening and concentric about the axis of said floating gear and of substantially greater diameter than said opening, whereby to equalize the pressure on opposite end faces of the said floating gear and to minimize the friction between the end faces of said gear and said housing.

2,626,571

ROTARY POSITIVE DISPLACEMENT PUMP
Walter J. Hoenecke, Milwaukee, Wis., assignor of one-half to Clyde E. Van Duser, Milwaukee, Wis.Application February 7, 1948, Serial No. 6,925
7 Claims. (Cl. 103—135)

1. In a rotary positive displacement pump, a housing provided with spaced peripheral inlet and outlet ports, a circular rotor member revolvable within said housing coaxially thereof and having a series of peripheral slots therein, said rotor and said housing cooperating to provide an annular displacement chamber, a piston blade slidable through each of said slots toward and away from the circular bounding surface of said chamber, a wall projecting into said chamber near the outlet port, a cam for each of said blades, means coacting directly with one surface of each of said cams independently of its blade for withdrawing the successive blades from within said chamber during advancement thereof past said wall, and means coacting directly with another surface of each of said cams independently of its blade for projecting the successive blades outwardly across said chamber after the blades have passed said wall.

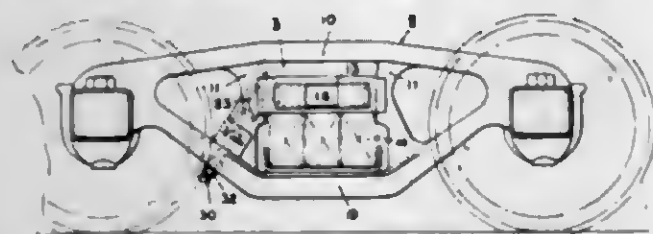
2,626,572

DAMPING DEVICE FOR RAILWAY CAR TRUCKS

Claude L. Orr, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio

Original application August 26, 1947, Serial No. 770,666. Divided and this application December 9, 1948, Serial No. 64,373

6 Claims. (Cl. 105—197)



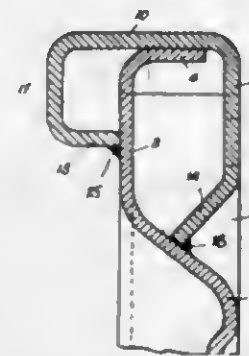
1. A railway truck comprising a side frame having a bolster opening partially defined by opposed first and second guide columns, a bolster having an end portion extending into said opening, springs supporting the end portion of the bolster from the side frame, a thrust member slidable transversely within the bolster, friction

shoes having articulate connection with the ends of the thrust member and provided with vertical surfaces, the vertical surface of one of the shoes slidably engaging the first guide column, the second guide column having an inclined surface converging toward the vertical surface of the other shoe, a wedge having a vertical surface contacting the last-mentioned vertical surface, said wedge having an inclined surface contacting the inclined surface of the second column, and resilient means bearing against the wedge and side frame for yieldingly urging the wedge against the last-mentioned vertical surface of one of said shoes and the inclined surface of the guide column.

2,626,573

GONDOLA CAR END

James S. Swann, Homewood, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

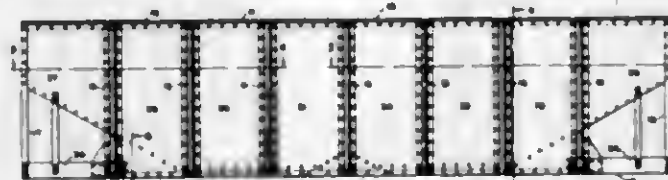
Application April 23, 1949, Serial No. 89,205
4 Claims. (Cl. 105—406)

1. A metallic panel adapted to form a load retaining wall of a railway car comprising a plate having a flat margin along one edge thereof and a corrugation adjacent said margin, a chord comprising a web resting upon the edge of said margin, flanges extending from said web parallel with and spaced from said margin, a reffange extending from one of said chord flanges to said margin and welded thereto, and a reffange extending from the other of said chord flanges to said corrugation and welded thereto, whereby a box section is formed on either side of said margin.

2,626,574

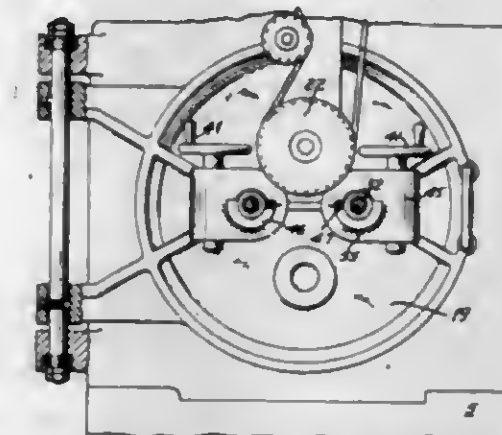
CAR SIDE

Alvin E. Tipton, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application July 29, 1950, Serial No. 176,556
1 Claim. (Cl. 105—409)

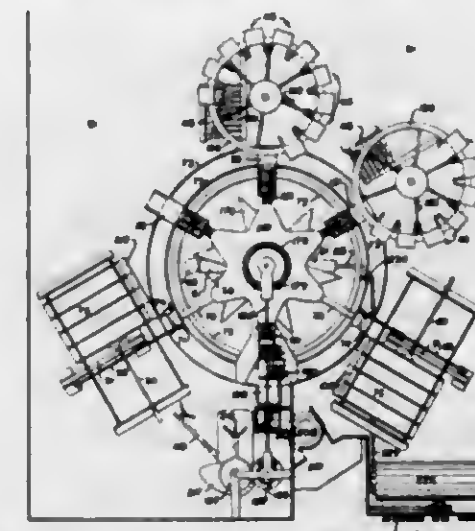
A carside construction of railway hopper cars, comprising end and intermediate stakes and a side sill structure, said side sill structure embodying a main sill extending substantially between said intermediate stakes and sub-sills extending substantially from each end stake to the adjacent intermediate stake, said main sill being formed of an angle member having an upstanding flange and a flange extending in-

2,626,576

ROLLER ADJUSTMENT INDICATOR FOR PELLET MILLSEdgar N. Meakin, Hillsborough, Calif.
Application December 10, 1948, Serial No. 64,617
5 Claims. (Cl. 107—14)

wardly from the lower edge of said upstanding flange, each of said sub-sills being formed of a channel shaped member having an upstanding web and upper and lower inwardly extending flanges, said web and said lower flange of each of said sub-sills lying respectively substantially in alignment with said upstanding flange and inwardly extending flange of said main sill, a portion of said web and said lower flange of each sub-sill adjacent to the ends of said main sill being removed, whereby said webs extend over the upstanding flange of said main sill, said main and sub-sills being welded together, and means securing said main and sub-sills directly to said adjacent intermediate stakes.

2,626,575

SANDWICH-MAKING MACHINEJames L. Whitsel, Denver, Colo.
Application November 19, 1948, Serial No. 60,955
19 Claims. (Cl. 107—1)

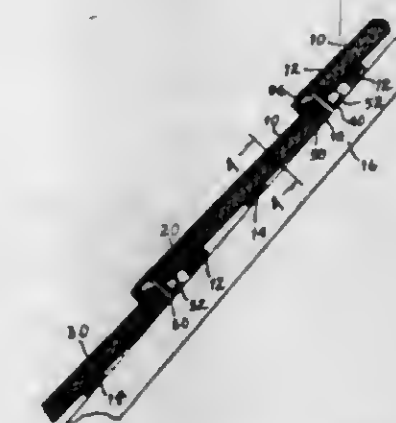
1. A sandwich-making machine comprising a vertically-disposed, rotatable shaft, a circular assembly of like, uniformly and angularly spaced, receiving plates mounted for rotation on and concentrically about said shaft, powered gear means operable to regularly and intermittently rotate said shaft, other gear means operatively correlated with said first gear means to regularly and intermittently advance said assembly one interval of the assembly plate spacing in synchronous alternation with rotation of the shaft, orbitally-spaced stations registered with and marking the rest positions of the assembly plates, plate-charging instrumentalities individually associated with a succession of said stations, an actuating arm for each of said instrumentalities reciprocable radially of the plate assembly, multi-lobed cams fixed to said shaft in engagement with and for the simultaneous reciprocation of said actuating arms as an incident of shaft rotation, multi-unit, sandwich component supply means selectively unit-registerable with and for contents delivery through the plate-charging instrumentalities of certain of said stations, means for selectively inhibiting the operation of certain of said plate-charging instrumentalities, means for registering selected units of said component supply means with the associated stations and instrumentalities, indexing means receptive of manually-imposed option indications in synchronous, step-by-step driven relation with said plate assembly, and means automatically reactive to indexing means travel for reflecting the option indications imposed on the latter as corresponding instrumentality operation regulation and supply means unit registration.

1. In apparatus involving a die, defining in part, a compression chamber, a compression roller, means including a shaft supporting said roller in cooperative relationship to the compression surface of said die, and means for adjusting said roller between a position of maximum spacing from said die and a position of pressure contact with the compression surface of said die, said means including a gear mounted on said shaft and a rotatable worm drive coupled to said gear; means for indicating the condition of maximum spacing of said roller with respect to said die, said indicating means including a marker affixed to said gear and movable over an arc path with rotation of said gear, and an indicator at a point along said arc path reached by said marker when such spacing is maximum; and means for denoting the extent of rotation of said gear from its maximum spacing determining position, which is necessary to reestablish a previously existing roller-die relationship; said means including a scale disposed along the arc path of movement of said gear mounted marker.

2,626,577

ROOF PANEL

Alan D. Roush and Owen M. Stolz, Dayton, Ohio, assignors to General Building Units, Inc., Dayton, Ohio, a corporation of Ohio

Application May 15, 1948, Serial No. 27,273
12 Claims. (Cl. 108—17)

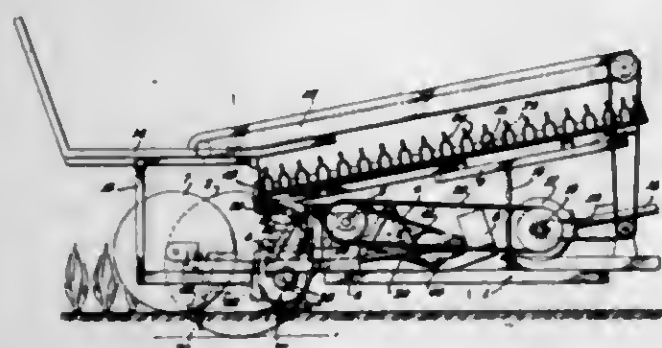
1. A roof panel adapted to be laid on rafters at an inclined angle with respect to the length of the longitudinal axis of the rafters, said rafters having interlocking means arranged at spaced

intervals, said panel including a base member of insulating and sound-deadening material, a pair of strips underlying said base member and resting upon said rafters, and a sheet metal member overlying the base member forming the exposed surface of the panel, said sheet metal member terminating in a reentrant hook portion along the lower edge of the panel and a raised portion along the upper edge of the panel terminating in downwardly directed portions engaging the interlocking means of the rafters, said raised portion being adapted to engage the reentrant hook portion of a succeeding panel.

2,626,578

TRANSPLANTING MACHINE

Charles V. Morine, Wahiawa, Oahu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application September 17, 1945, Serial No. 616,817
12 Claims. (Cl. 111-3)



1. A transplanting machine for handling plants and shoots, said machine comprising: a carriage structure including a main frame, a sub-frame pivotally connected with the main frame, and wheels independently supporting said frames; a conveyor system carried by said main frame including a plant-feeding conveyor unit having a discharge end supported by said sub-frame, said plant-feeding conveyor including a plurality of yieldable plant-holding elements; a transplanter unit oscillatably mounted on said sub-frame and movable between a ground-engaging plant-depositing position and an elevated plant-receiving position adjacent the discharge end of said plant-feeding conveyor, said transplanter unit including plant-gripping elements operable to engage and withdraw a plant from a plant-holding element of said feeding conveyor and release said plant when said transplanter unit occupies its plant-depositing position and a ground-penetrating blade for penetrating the ground to form an opening for a plant carried by said plant-gripping elements.

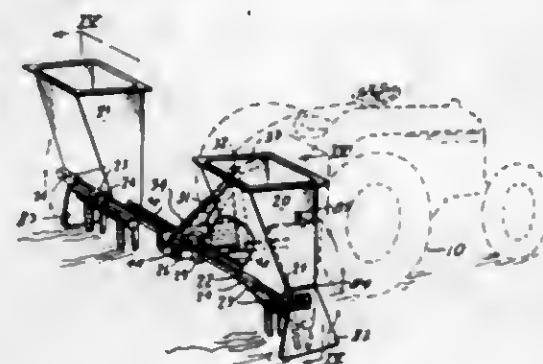
2,626,579

SIDE DRESSING ATTACHMENT

Roy A. Shaw, San Bernardino, Calif.
Application July 20, 1948, Serial No. 39,702
1 Claim. (Cl. 111-64)

In combination with a tractor having conventional draft and lift linkage including a generally vertical inverted V-frame and longitudinally extending link members pivoted at their rear ends to the vertex and legs of said V-frame and operatively connected to the tractor at their front ends, an attachment for side dressing and fertilizing rows of plants, said attachment comprising a rearwardly disposed curved frame mem-

ber having forwardly extending legs the ends of which are pivotally connected to the legs of said V-frame, a tension spring connected between the vertex of said V-frame and the center of said curved frame member to resiliently support said curved frame member, a transverse supporting bar mounted on said curved frame member, a pair of fertilizer hoppers adjustably mounted on said bar there being a hopper on each side of said

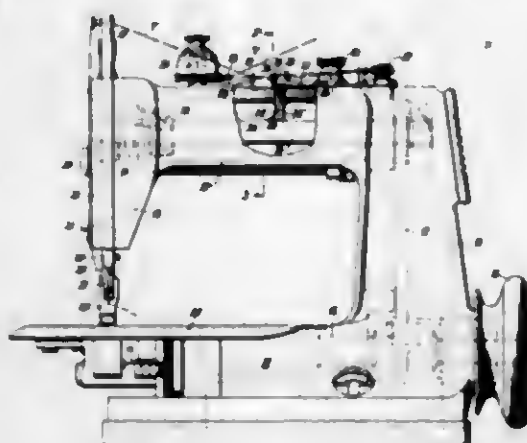


curved frame member, a plurality of furrowers mounted on each of said hoppers, means to deliver fertilizer from the hoppers to the furrows produced by said furrowers, and means to feed fertilizer from the hoppers, whereby in operation said resilient pivotal connection of the curved frame member permits said furrowers to float with respect to the tractor and contact the ground independently of vertical movements of the tractor due to irregularities of the ground.

2,626,580

THREAD PULL-OFF DEVICE FOR SEWING MACHINES

Edward L. Koenig, Westport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 12, 1951, Serial No. 225,990
6 Claims. (Cl. 112-242)

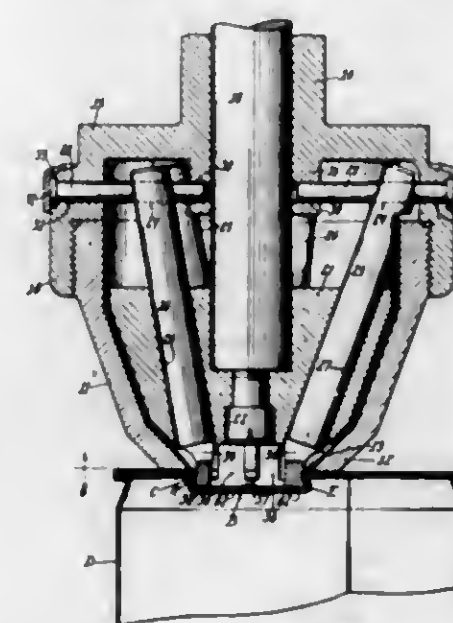


1. A thread pull-off device for a sewing machine having a frame and an actuating shaft journaled in said frame, comprising, a normally stationary member adjustably supported on said frame and providing spaced thread-guiding eyes, a movable thread-engaging element secured to said actuating shaft and traversing the space between said thread-guiding eyes to form a bight in the thread and thereby pull a length of thread from a source of supply, and means for moving said spaced thread-guiding eyes relative to said movable element including a manually turnable regulating knob, and an eccentrically disposed surface associated with said regulating knob and engaging said normally stationary member so that the turning of said knob will effect an adjustment of said normally stationary member.

2,626,581

CRIMPING HEAD WITH Laterally MOVABLE JAWS

August E. Almgren, Hillside, and John P. Jakob, Roselle, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 8, 1948, Serial No. 58,854
3 Claims. (Cl. 113-18)

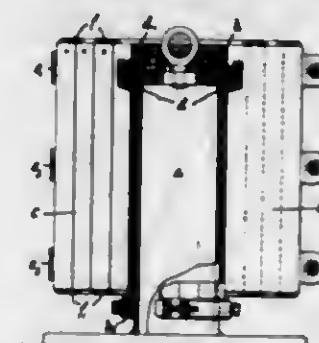


1. In a crimping head for reforming bendable portions of articles, the combination of a body member having a plurality of radially disposed support elements therein, a bearing block having an axis and a plurality of slide bearings in said block arranged around said axis and disposed at an acute angle thereto, and a plurality of jaw shanks slideably disposed within said slide bearings, each of said shanks having at one end a crimping jaw and having its opposite end movably mounted on a said radial support for lateral movement only relative to said body member, said body member and said bearing block being movable toward and away from each other, said shanks through said movement being reciprocable in said slide bearings and said jaws being movable by said block laterally relative to the axis of said slide block into and out of article crimping position.

2,626,582

TRANSFORMER ASSEMBLING DEVICE

August Waltert, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application August 4, 1947, Serial No. 766,077
In Switzerland March 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 17, 1962
1 Claim. (Cl. 113-99)



Apparatus for assembling a transformer core from a plurality of sector-shaped groups of lami-

nations, each said group comprising a plurality of laminations of progressively increasing width secured in face to face relation and in which the widest lamination of each group is recessed along its inner edge adjacent the upper end to provide a holding nose for the group, said apparatus comprising a vertical columnar support, a circular horizontal plate at the upper end of said support having a diameter greater than the width of said columnar support so as to project beyond the surface of the support, the periphery of said plate having an upturned flange enabling all of said lamination groups to be hung vertically on said plate by their nose portions which engage said flange, said lamination groups when so hung forming an annular core with the sides of adjacent lamination groups in surface contact and the inner edge of the widest lamination of each group being spaced from the periphery of said plate and from the surface of said columnar support to permit of a slight radially inward movement of said lamination groups, a sleeve member removably mounted on said columnar support engageable with the lower end of the widest lamination of each said lamination group for initially aligning the groups in surface contact with one another along the axis of the columnar support, a plurality of clamping bands adapted to be placed around the outer edges of said lamination groups subsequent to formation of the annular core therefrom, and means for tightening said bands upon removal of said sleeves thereby to force all of said lamination groups radially inward and establish pressure contact therebetween in preparation for securing said groups permanently together such as by welding rings across their top and bottom faces while subjected to said pressure.

2,626,583

TRACK-CARRIED HATCH COVER

Kord H. Stehr, deceased, late of Brooklyn, N. Y., by Emma Stehr, administratrix, Brooklyn, N. Y.
Application April 27, 1950, Serial No. 158,402
7 Claims. (Cl. 114-202)

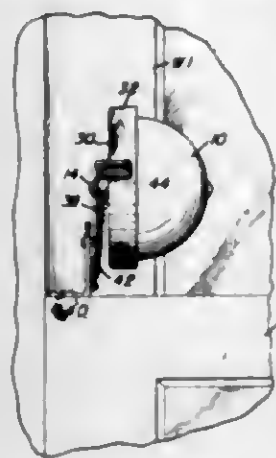


1. In hatch construction, in combination, a rectangular hatch coaming, a rectangular hatch cover, a pair of tracks each formed of channel material adjacent to and parallel to two opposite sides of said rectangular coaming, four supports attached to said cover, one near each corner thereof, and two pairs of wheels each journaled to one of said supports, one pair engaging one of said tracks and the other pair engaging the other track, means engaging said supports for vertical adjustment relative to the cover, said wheels being located within the channels of said tracks, whereby when the supports are adjusted downwardly the wheels bear down on said tracks to lift the cover from the coaming and when the supports are raised, the wheels are raised and they pull up on said tracks to clamp the cover down on the coaming.

2,626,584

WINDOW ALARM

August Hoehn, Brooklyn, N. Y.

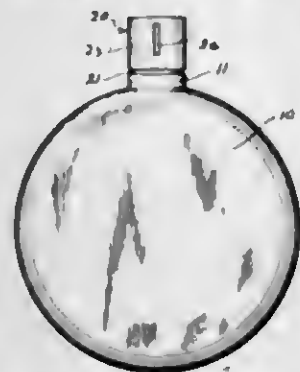
Application December 18, 1950, Serial No. 201,326
5 Claims. (Cl. 116—90)

1. A bell structure comprising a bell-cup, a casing, a shaft carried by the bell-cup and rotatably supporting the casing, a plurality of strikers pivoted to and within the casing for engaging the wall of the casing, a plurality of spring arms mounted within said bell-cup, and hammers carried by said spring arms for the bell-cup, said spring arms extending into the casing and past the strikers to impart pivotal movement to the strikers sufficiently to cause the strikers to engage the casing and sound an alarm as the casing rotates on the shaft, said spring arms being flexed as the strikers engage the spring arm so that after the strikers have engaged the spring arms the latter will move the hammers against the bell-cup.

2,626,585

PRESSURE-TYPE ALARM DEVICE

Abraham Piza Mendes, New York, N. Y.

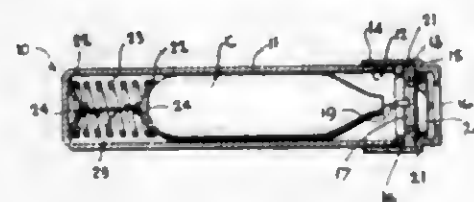
Application December 15, 1950, Serial No. 200,893
3 Claims. (Cl. 116—102)

1. An alarm device comprising in combination a container having a large surface area in proportion to its cubic content and having heat-permeable walls, said container containing a liquid which boils at a selected temperature, a gas-operable sound device having a liquid-tight and gas-tight connection with said container and communicating with the interior of said container, and closure means normally held in an operative position in which it seals off the sound device from the passage of gas therethrough, said closure means having a heat-sensitive member which normally maintains said closure means in its operative position, said heat-sensitive member being responsive to a rise in the surrounding temperature to a selected level above the boiling point of said liquid, thereby moving closure means out of its operative position, whereby gas from the boiling liquid may flow through said sound device to produce a warning signal.

2,626,586

FIRE ALARM DEVICE

Abraham Piza Mendes, New York, N. Y.

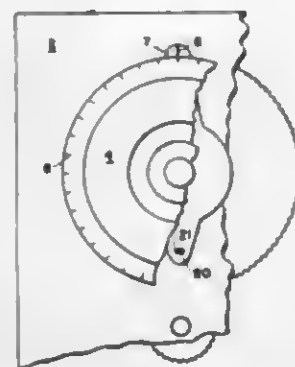
Application December 23, 1949, Serial No. 134,898
2 Claims. (Cl. 116—106)

1. A fire alarm device comprising a housing having a single opening, a cylinder of compressed air or gas encased in said housing, a puncturing element located in said housing, said cylinder being slidable toward said puncturing element, said puncturing element being normally spaced from said cylinder and being positioned to puncture said cylinder when the latter is slid into operative contact therewith, internal spring means located behind said cylinder and positioned to urge said cylinder into operative contact with said puncturing element, a fusible element holding said spring means in compressed, inoperative position, and sound means located adjacent the opening of said housing in a position in which the compressed air or gas will flow through said sound means when said cylinder is punctured.

2,626,587

LOST MOTION OR BACKLASH COMPENSATION

William Karle Schnepf, Webster, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York

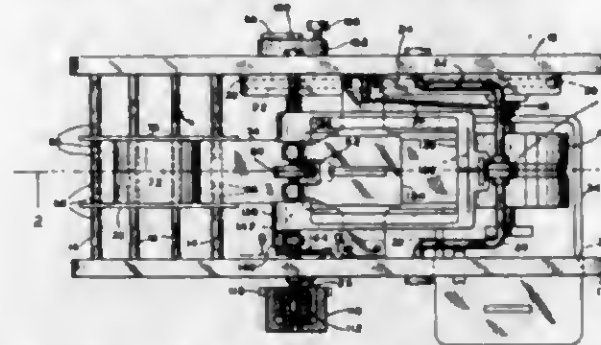
Application April 13, 1949, Serial No. 87,241
5 Claims. (Cl. 116—133)

1. In combination with a mechanical movement having lost motion and means for adjusting said movement to a plurality of positions, means for compensating for said lost motion comprising indicating means having reference indicia, a member having a fiducial mark cooperating with said reference indicia to indicate the position of adjustment of said movement, means for causing said member to move similarly to said indicating means during the movement of said adjusting means corresponding to the taking up of said lost motion whereby said indicia and said fiducial mark remain relatively fixed with respect to each other, and means for substantially preventing motion of said member with said adjusting means during actual changes in position of said movement whereby said indicia and said fiducial mark move relatively to each other.

2,626,588

APPARATUS FOR COATING AND DISPENSING TAPE

Erhard Klug, Montvale, N. J.

Application June 17, 1948, Serial No. 33,584
4 Claims. (Cl. 118—41)

1. A machine for applying stripes of adhesive to a strip of material comprising in combination, a support for a roll of the strip material, means for advancing the strip material from said support, means for guiding the advancing strip along a substantially straight path, an adhesive transfer roller positioned to project into the path of the advancing strip and formed with an outer cylindrical surface at least as wide as the strip and having a central relatively narrow peripheral groove therein, a former roller adjacent said transfer roller and having an axial width substantially equal to the width of said groove, an adhesive tank below said transfer roller in which the transfer roller is partly immersed, said former roller having a peripheral rib adapted to press the strip into the groove on the transfer roller to effect the transfer of a longitudinal stripe of adhesive from the transfer roller to the strip and to flex the side edge portions of the strip in a direction away from the transfer roller to prevent the transfer of adhesive to said side edge portions, intermittently operative cutting means located adjacent the path of the strip between said support and said transfer roller for severing the strip into lengths, and a transversely extending applying member connected to said cutting means for operation with the latter and mounted between said cutting means and said former roller to move normal to said path of the strip into pressing engagement with the strip across substantially the entire width of the latter for pressing the trailing ends of the side edge portions of a severed length of the strip against the surface of said transfer roller so that a transverse stripe of adhesive is transferred by the latter to the trailing end of each severed length of the strip.

2,626,589

ELECTROSTATIC SPRAY PAINTING APPARATUS

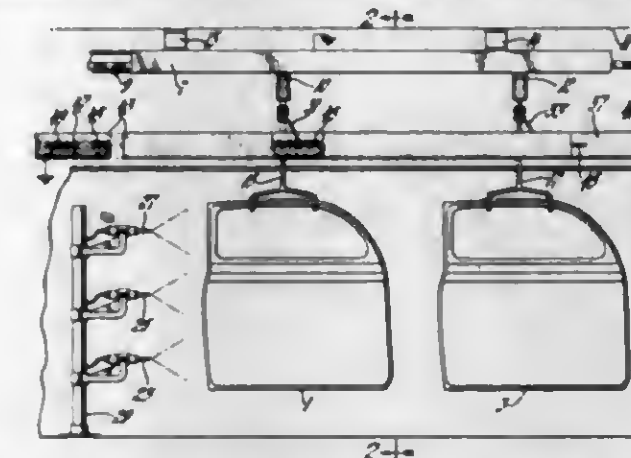
Lewis J. Lamm, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 1, 1948, Serial No. 62,913
3 Claims. (Cl. 118—51)

1. In electrostatic spray coating apparatus for coating two articles of manufacture simultaneously including, a conveyor capable of transporting simultaneously a multiplicity of pairs of articles to be coated in two spaced parallel paths, means for projecting coating material into a zone between said pairs of articles, two stationary electrical contact members arranged parallel to each other and to the direction of travel of the conveyor and adjacent each of said parallel paths of travel respectively, electrical contact means

688 O. G.—63

for said articles to be coated carried by said conveyor and electrically insulated therefrom and carrying said articles to be coated in electrical connection therewith, means for surrounding

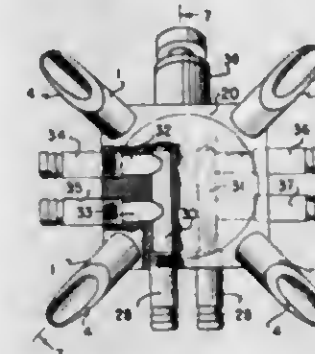


said stationary contact members with inert fluid, and means for bringing said electrical contact means into electrical contact with said stationary contact members during the time said articles are in said zone.

2,626,590

MILK LINE NIPPLE

Marvin J. Smith, Chicago, Ill., assignor to Rite-Way Products Company, Chicago, Ill., a corporation of Delaware

Application January 5, 1949, Serial No. 69,310
5 Claims. (Cl. 119—14.54)

1. A milker claw comprising a body having a plurality of milk line nipples extending upwardly therefrom, each of said nipples comprising a tube the upper end of which is at an inclination to the longitudinal axis of the tube, the tube top being beveled with respect to the upper edge of the inner surface of the tube, the bevel being along a surface of revolution.

2,626,591

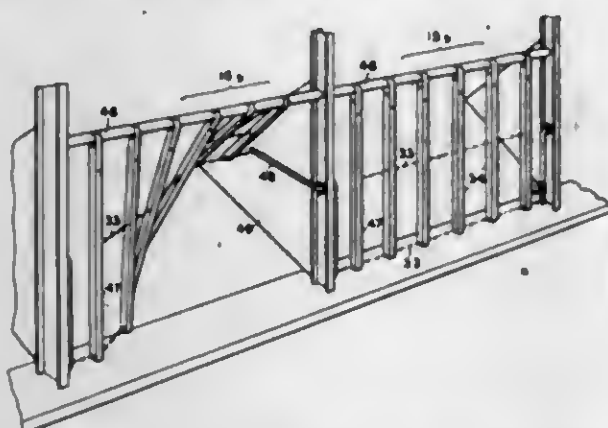
MEANS FOR HOUSING AND FEEDING LIVESTOCK

Paul M. Mazur and Robert Barnhart, Titusville, N. J.; said Barnhart assignor to said Mazur

Application June 4, 1948, Serial No. 31,125
4 Claims. (Cl. 119—16)

1. A system of storing and self-feeding of hay and similar feed material to animals which comprises retaining walls to form a substantially vertically extending wall of hay, a barrier interposed between the wall of hay and the feeding animal, said barrier including a plurality of freely swingable, vertically extending bars flexibly connected to each other adjacent one end, an overhead support for the barrier, the opposite end of each bar depending from and being pivoted on said support, said bars being spaced horizontally a distance less than the width of a head of an

animal and greater than the width of the muzzle of said animal, upward movement of an end of the barrier in an arc caused by pressure exerted by the head of the feeding animal permitting the



animal to consume progressively the hay on the opposite side of the barrier; movement of the barrier downward to its original position substantially restoring the wall of hay adjacent the barrier by gravity supply.

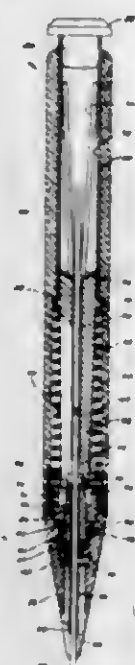
2,626,592

MECHANICAL PUSH-TYPE LEAD PENCIL

Edwin C. Hedler, Chicago, Ill.

Application July 20, 1946, Serial No. 685,034

2 Claims. (Cl. 120—17)



1. A mechanical pencil of the step-by-step push feed type comprising a barrel, a pointed tip at one end of said barrel, a bore through said tip to receive leads, segments in the pointed end of said tip formed by slotting the end of said tip, the said segments having inwardly induced resiliency to form a bore within said pointed end of smaller diameter than the said lead bore in upper part of said tip, said smaller bore to provide means for retarding exit of the leads, means to attach said tip to said barrel, the said tip having therein a chamber above the said means for retarding exit of the leads for passage of leads to the tip, a clutch opening and lead guiding means coaxially and slidably mounted in said chamber and abutments therein to limit movement of said opening means, the said opening means having therethrough a lead bore, the said opening means comprising a round tubular member with a flange on lower portion to limit travel thereof upon contact with said abutments and an upper portion

whose contour is such as to enter into and frictionally engage the lower recessed portion of a lead gripping means, a lead gripping means in coaxial alignment with and above said opening means and having a lower recessed portion, the said gripping means comprising a segmented tube slidably mounted in the bore of said barrel, lead gripping jaws on the lower interior surface of said tube segments, the said tube segments having inwardly inclined spring characteristics of sufficient strength to hold a lead in said jaws against writing pressure, means in said barrel bore to limit the upward movement of said lead gripping means, a detent on said segmented tube to abut against said means in said barrel bore to limit upward movement in said barrel bore, a coil spring between said opening means and said detent on said segmented clutch tube to disengage said lead gripping means and said opening means, a longitudinal lead chamber tube telescopically mounted within the upper part of said barrel bore and affixed to the upper end of said lead gripping member, said lead gripping means having a concentric recess in the lowermost inner portion thereof, the said recess to permit entry and frictional engagement with the upper portion of said clutch opening means.

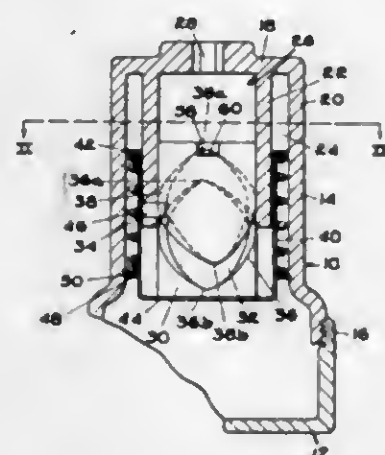
2,626,593

PENCIL SHARPENER

Robert C. Gwin, Jr., Barrington, R. I.

Application June 1, 1951, Serial No. 229,357

5 Claims. (Cl. 120—96)

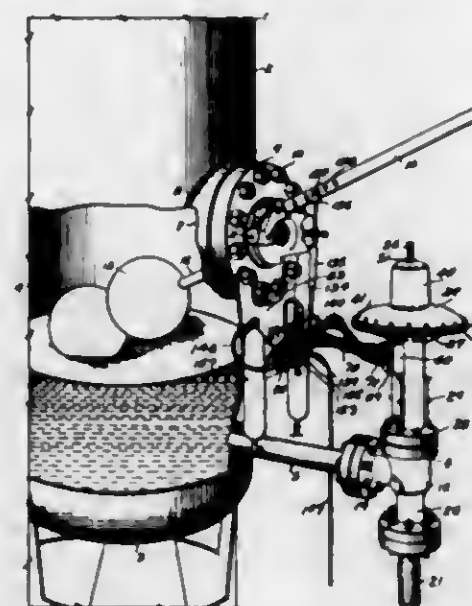


1. In a pencil sharpener the combination comprising a housing having an outer wall and an inner cylindrical sleeve spaced therefrom, a cylindrical barrel cam having an axial bore there-through carried by said sleeve for reciprocation and rotation therein, said cam having a cam slot formed in its periphery defining two cam surfaces, an abutment projecting from the inner wall of said sleeve and engaged in said cam slot, a blade removably mounted in the bore of said cam and adapted to be engaged by the end of a pencil to be sharpened, said blade and said cam being adapted to be moved in one direction by pressure from a pencil in engagement with said blade to cause one of said cam surfaces to engage and move across said abutment to rotate said cam and blade, a spring in the space between said wall and said sleeve, and means connecting said spring to said cam, said spring being capable of moving said cam and blade in the other direction upon release of pressure from said pencil to cause the second cam surface to engage and move across said abutment to thereby continue to rotate said cam and blade in the same direction.

2,626,594

FLUID PRESSURE MECHANISM FOR EFFECTING STEP-BY-STEP OPERATION OF A MEMBER TO BE OPERATED

Garman O. Kimmell, Oklahoma City, Okla., assignor to Black, Sivals & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application June 16, 1947, Serial No. 754,969
3 Claims. (Cl. 121—41)



1. In a fluid pressure mechanism for effecting step by step operation of a member to be operated, a fluid pressure actuable means, a housing containing the fluid pressure actuable means and having a linear series of pressure medium inlets and pressure medium outlets, control means having a circular series of ports respectively connected with said inlets, a valving element for said circular series of ports, a shaft rotatably supported by said control means for successively uncovering said ports for admitting a pressure medium through the ports, control means coaxial with the first named control means and having a circular series of exhaust ports connected with said outlet ports, a valving element for the last named control means, a shaft coaxial with the first named shaft for carrying the second named valving element for closing the exhaust ports, actuating levers on the respective shafts, a valve slidable over the series of pressure medium inlets of said housing, and means connecting said slidable valve with the fluid pressure actuable means for successively closing said inlets and successively opening said outlets as the inlet ports are opened and the outlet ports are closed by said valving elements.

2,626,595

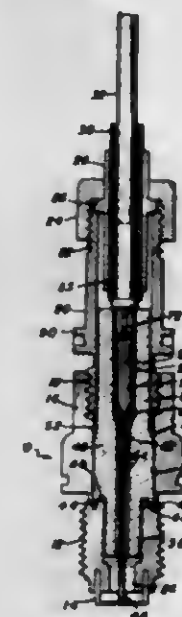
SPARK PLUG

Francis Edward Berstler, Middletown, Pa., assignor of thirty-three and one-third per cent to Charles V. Hoke, Hummelstown, and thirty-three and one-third per cent to Ezra O. Brubaker, Elizabethtown, Pa.

Application September 21, 1950, Serial No. 185,977
4 Claims. (Cl. 123—169)

1. A spark plug comprising a base forming body having a main body portion with an axial bore and a screw-threaded attaching neck, the bore of said neck being of a diameter less than that of the portion of the bore in said main body portion, the junctural portion between the neck and main body portion providing a shoulder and said shoulder having an endless annular groove defining an endless annular wall radially inward of the groove, an elongated tubular shell car-

ried by said body and having a bore axially aligned with the bore in said body, a sleeve of insulation material having an enlarged upper end fitting in the bores of said shell and main body portion and having a reduced lower end portion telescoping into the bore of said neck and defining a second shoulder opposed to said first named shoulder, said second shoulder having an annular endless groove of a diameter less than that of said first named groove and providing an annulus depending deeply into said first named groove, said wall fitting completely up and tele-



scoping entirely into said second named groove and providing a position interlocking joint, a packing ring lodged wholly in said first named groove and interposed between the bottom of the latter and said annulus and providing a positive gas-proof seal, said sleeve providing a bore, a metal electrode tube embedded in said sleeve and lining and leak-proofing the last mentioned bore, said tube being internally screw-threaded, and an externally screw-threaded electrode adjustably threaded into said tube and providing a further leak-proof association of parts.

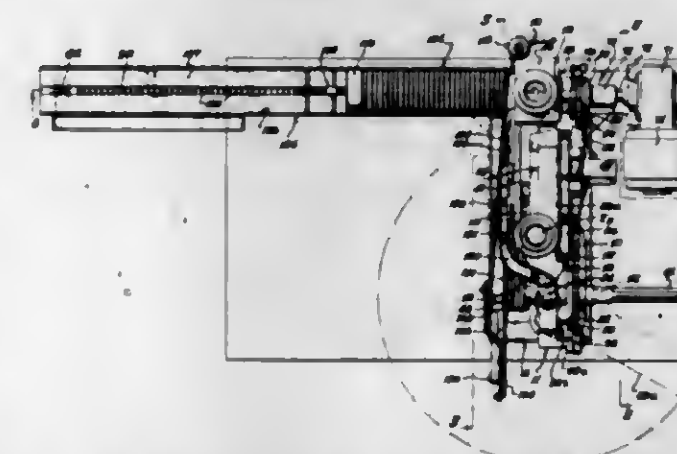
2,626,596

LOADING AND COCKING MECHANISM FOR TARGET TRAPS

John K. Lyon, Pasadena, Calif.

Application June 23, 1948, Serial No. 34,583

14 Claims. (Cl. 124—8)



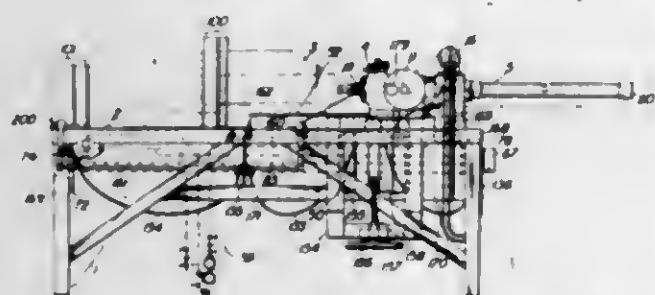
1. In a target throwing trap having a spring-operated target throwing member comprising a swinging arm and a rotatable shaft to which the arm is attached, and a cocking mechanism movable independently of the throwing member to set a spring which upon release swings the throw-

ing member in one direction and subsequently swings the throwing member in the other direction to return it to a target loading position, the combination comprising: a power source; a continuously driven member operatively connected to the power source; and means engaged by the target throwing member during its swinging movement for causing the driven member to actuate the cocking mechanism.

2,626,597

SLATE SPLITTING MACHINE

Eugene T. Lake, Brodheadsville, Pa.
Application December 23, 1950, Serial No. 202,480
28 Claims. (Cl. 125-23)

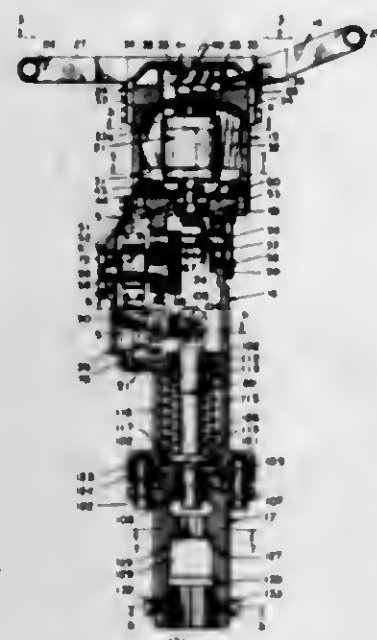


1. A slate splitting machine comprising a slate splitting tool, hammer means associated with the tool for imparting a rapid succession of forward impulses to the tool and a movable carriage supporting the tool and hammer means, in combination with fluid drive means having a self-controlled maximum rate of movement adapted to push the carriage toward the slate; whereby the pressure of the tool against the slate is controlled at all times.

2,626,598

ELECTRIC HAMMER

Lawson Tarwater, Redlands, Calif.
Application August 14, 1950, Serial No. 179,239
9 Claims. (Cl. 125-33)

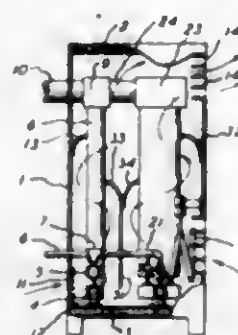


1. In a motor-driven tamping machine, a housing, a motor in said housing, a hammer bar mounted in said housing for axial movement, a crankshaft driven by said motor, a lever pivotally mounted between its ends in said housing, and a connecting rod on said crankshaft and connected to one end of said lever, the other end of said lever being directly pivotally connected to said hammer bar.

2,626,599

CONSTANT TEMPERATURE GAS HEATER

Otis M. Johnson, Dallas, Tex.
Application March 24, 1947, Serial No. 736,692
1 Claim. (Cl. 126-90)

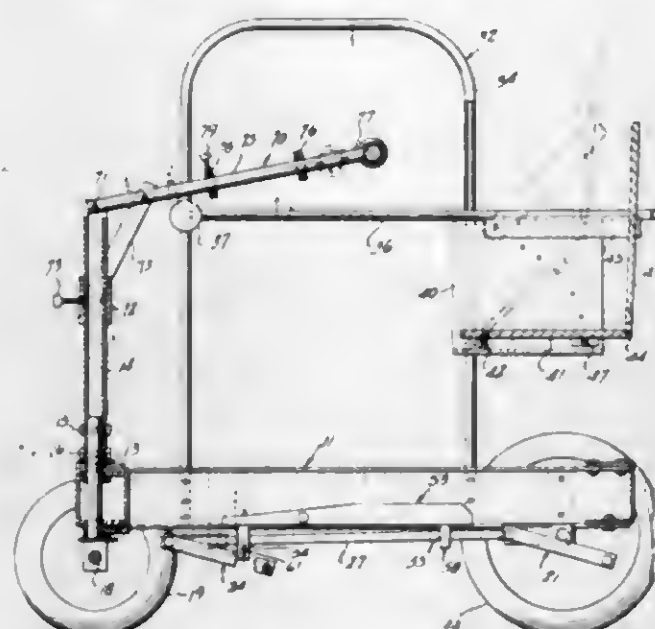


In a heating unit, a housing including vertical side walls, a primary burner in the lower portion of said housing and adjacent one wall thereof, a vertically disposed tubular heat exchanger positioned over said primary burner, an auxiliary gas burner located within said housing adjacent said primary burner on the side thereof opposite the first said wall and near a second said wall, a vertically disposed auxiliary tubular heat exchanger positioned over said auxiliary burner, means carrying off fumes from both said heat exchangers and outwardly of said housing, a gas cock connected with said auxiliary burner, pivoted louvers within the second said wall and in the lower side thereof adjacent said auxiliary heat exchanger, thermostat control means operatively connected with both said gas cock and said louvers and arranged to open and close the same simultaneously, a vertically disposed baffle between the first said heat exchanger and the second said heat exchanger, an air inlet in the first said wall adjacent said primary burner, and an air outlet within the upper end of said housing, and means directing heated air from both said heat exchangers to said outlet.

2,626,600

PHYSIOTHERAPEUTIC DEVICE

Dale K. McMennamy, Van Nuys, Calif.
Application February 2, 1951, Serial No. 209,134
9 Claims. (Cl. 128-25)



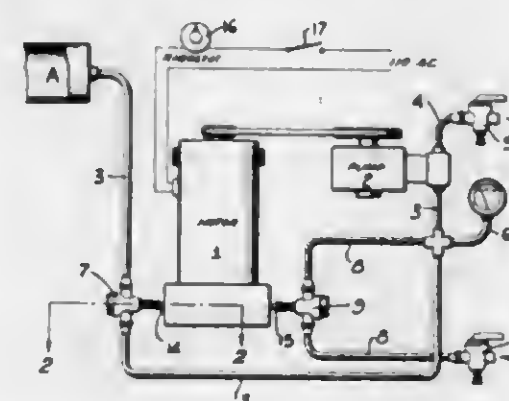
1. A therapeutic device for paralytics comprising a mobile base, a pair of longitudinally spaced transversely extending two-throw crankshafts rotatably journaled in said base and actuable in response to the movement of said mobile base,

a first pedal extending longitudinally of said base intermediate said pair of crankshafts and having one end connected to one throw of one of said crankshafts and having the other end connected to the opposite throw of the other of said crankshafts, a second pedal spaced from said first pedal and having one end connected to the other throw of said one shaft and having the other end connected to the other throw of said other shaft, a frame carried by said mobile base, a support adapted to engage the rear portions of a paralytic positioned within said frame and mounted therein for movement toward and away from said base, means carried by said support and engaging said frame for detachably securing said support in a select position of its movement with respect to said base.

2,626,601

VACUUM PULSATING EXERCISING APPARATUS

John P. Riley, Costa Mesa, Calif.
Application July 28, 1950, Serial No. 176,343
1 Claim. (Cl. 128-38)



In a vacuum pulsating exercising apparatus for use with applicator adapted to be sealed over a region of the body, the combination of: a pump having a vacuum side connected with said applicator to produce a vacuum therein; a bleed line and bleed valve therefore interposed between said pump and applicator; a throttle valve also interposed in between said pump and applicator; means for cyclically operating said bleed valve at a predetermined speed to produce a varying effective pressure in said applicator, and means for simultaneously operating said throttle valve at a predetermined greater speed than said bleed valve to superpose pressure pulsations in said applicator.

2,626,602

DIVING SUIT

Emerson D. Bulc, Washington, D. C.
Application July 20, 1950, Serial No. 174,982
5 Claims. (Cl. 128-144)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. Diving gear for use in underwater mine disposal, demolition work and the like comprising a light weight diving dress provided with a neck opening, a helmet ring positioned in the neck of said diving dress, adjustable clamp means for sealing the neck of said dress to said helmet ring, a light weight breastplate extending fore and aft securely attached to said helmet ring, shoulder pads in said gear for supporting said breastplate, a helmet adapted to be removably attached to said helmet ring in water-tight sealed relationship therewith, said helmet and dress being in internal communication with each other

so that admission of air into said helmet will inflate said dress, wide angle vision windows in said helmet for forward vision and a top window in said helmet for upward vision, said helmet provided with a plurality of ports for the admission of air under pressure for circulatory operation, for the admission of air admixed with oxygen for recirculating operation, for the exhaust of air in circulating operation, for the exhaust of air in recirculating operation, for the admission of telephone cables, and for the exhaust of moisture condensate and water, a canister provided with an air purifier unit removably mounted on the rear of said helmet in communication at one end with the port for the exhaust of air in recirculating operation and at the other end

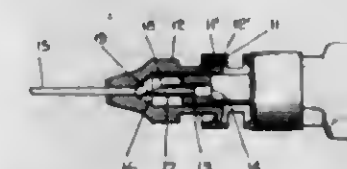


with the throat of a Venturi tube connected to the port for the admission of air admixed with oxygen whereby the flow of gas through the Venturi tube withdraws air from said helmet, through the said purifier unit in the canister and reintroduces the residual withdrawn air into said helmet, a control valve in communication on its inlet side with a source of air or oxygen under pressure and connected on the discharge side with the port in said helmet for the admission of air thereto, a needle valve in communication with the high pressure side of said control valve and with the feed end of said Venturi tube whereby, in recirculating operation, the rate of flow of oxygen to said helmet is controlled.

2,626,603

HYPODERMIC SYRINGE

Daniel Gabriel, Bonny Blue, Va.
Application September 29, 1950, Serial No. 187,412
2 Claims. (Cl. 128-216)



1. In hypodermic syringes of the character described, a threaded coupling at one end of the syringe, with which a hypodermic needle is adapted to be detachably coupled, a tubular portion within and spaced from said coupling and a stub tubular needle arranged in and fixed to said tubular portion, and said stub needle having outwardly of said tubular portion a long tapered outer end portion.

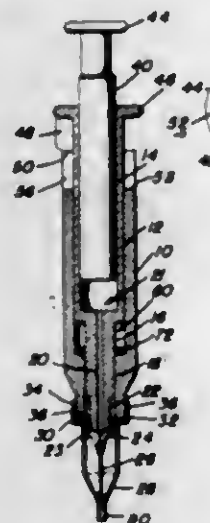
2,626,604

HYPODERMIC SYRINGE

John C. Nadeau, Detroit, Mich.

Application March 19, 1951, Serial No. 216,389

7 Claims. (Cl. 128-218)



1. An automatically injected hypodermic syringe assembly of the class described comprising a tubular body defining an outer cylinder, said cylinder being open at opposite ends, the outer end thereof being reduced and constituting a guide, a cylindrical barrel, said barrel being fitted for reciprocation in said outer cylinder and constituting a piston, said barrel being provided with a reduced extension operable through said guide and provided with a hollow hypodermic needle, the inner end of said piston being provided with finger gripping means and a retaining trip the latter being releasably engageable with the coacting end of said outer cylinder, corresponding ends of said outer cylinder and piston when relatively adjusted by withdrawing the piston partially from said cylinder being adapted to provide a vacuum creating space.

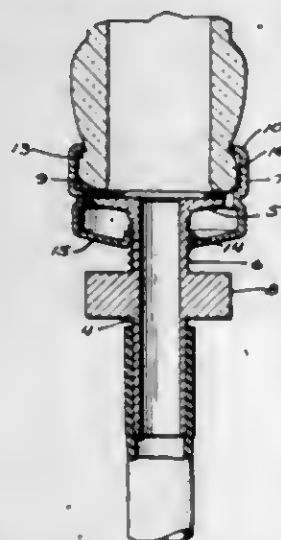
2,626,605

DOUCHE APPLIANCE

James H. Booth, Detroit, Mich.

Application April 28, 1951, Serial No. 223,538

4 Claims. (Cl. 128-224)



1. A douche appliance having in combination a flexible tube, a nozzle at one end and a coupling at the other end, said coupling comprising a tubular shank with one end flanged and the other end serving as a seat for one end of the flexible tube, a threaded portion on the shank, and a cap nut having a turned under annular flange having threads engaging the threads of the shank and having another turned in flange open at one side to receive the end of the bottle

neck of a carbonated or other gas charged liquid which can be slid in to have the bead on the bottle neck rest under the turned in flange, the shank and the cap nut capable of relative rotational movement to cause the annular flange on the end of the shank and the end of the bottle to approach each other in sealing arrangement.

2,626,606

EYE BATH DEVICE

Joseph G. Campbell, Santa Barbara, Calif.

Application February 23, 1951, Serial No. 212,465

19 Claims. (Cl. 128-249)



1. An eye bath device comprising: a flexible container; an eyecup connected to the container; a tube extending into the container adjacent to the bottom and communicating the exterior to the interior thereof; a flow passage connecting the exterior end of the tube to the interior of the cup, said tube and passage forming a fluid flow conduit; and a vent passage connecting said conduit to atmosphere.

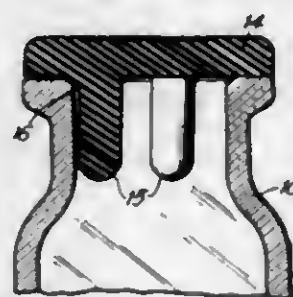
2,626,607

CLOSURE FOR BOTTLES AND THE LIKE

Ralph F. Colton, Chicago, Ill., assignor to Dry-Freeze Corporation, Chicago, Ill., a corporation of Illinois

Application February 8, 1951, Serial No. 210,033

3 Claims. (Cl. 128-272)



2. A closure for a dilution bottle or the like, the closure being formed of a relatively soft and deformable material and comprising a pad, a plurality of spaced centering projections extending from one side of the pad from regions thereof and being spaced radially inwardly from the periphery thereof, and a plurality of spurs formed between the said one side of the pad and the outer sides of the projections, the pad being approximately as thick outward of the projections as inward of the projections.

2,626,608

CLAMP FOR UMBILICAL CORDS AND THE LIKE

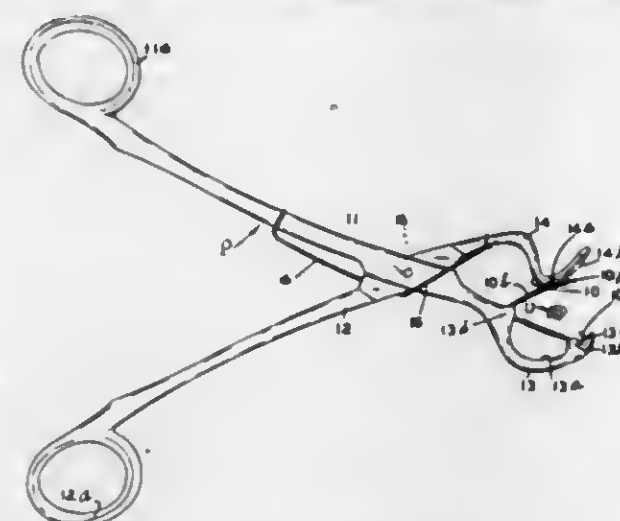
Mather Garland, Mound, Minn.

Application December 8, 1949, Serial No. 131,733

8 Claims. (Cl. 128-346)

1. A clamp for flexible tubular elements and the like, comprising a pair of opposed clamping legs in the form of strip portions constructed from ductile material of such ductility as to be bent with facility and to retain its shape when

bent, means fixedly interconnecting said legs in a preformed, general V-shape, one of said legs being longer than the other and including an extension at one end thereof foldable over the free end of the other leg when said legs have been



deformed into clamping relationship, the relative lengths of the legs being such that the legs can be moved relative to each other without the extension offering any resistance to movement of the shorter leg into clamping relationship with the longer leg.

2,626,609

SUN-REFLECTING COLLAR

Samuel Friedberg, Atlantic City, N. J.

Application February 1, 1952, Serial No. 269,526

2 Claims. (Cl. 128-395)



1. A sun reflecting collar substantially oblong in shape formed of one piece of stiff material with an inner reflecting covering and the collar having a relatively circular opening formed therein with a throat leading to the opening, the collar "creased to form" a relatively large segment to extend under the chin of the wearer and two oppositely smaller foldable segments, two foldable side segments creased to form two end flaps which form part of the aforementioned throat, cord means extending between the two end flaps for pulling the same in a desired position towards each other and thus cause the sun-reflecting collar to assume a funnel-like position, with the outer end being circular in top plan.

2,626,610

VERTICAL-TYPE FILE FOLDER

John S. McTavish and Albert H. Topham, Newmarket, Ontario, Canada, assignors to The Office Specialty Mfg. Company Limited, Newmarket, Ontario, Canada

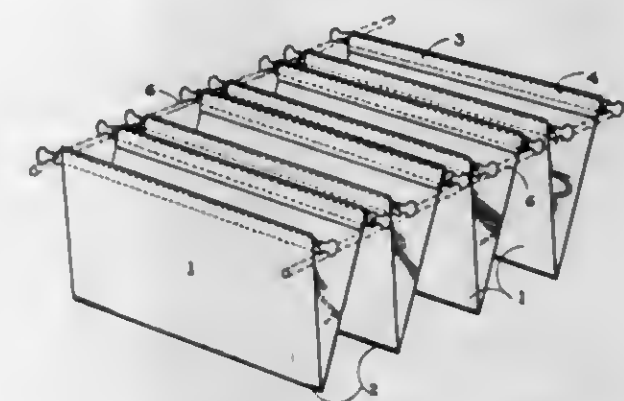
Application February 2, 1949, Serial No. 74,204

In Canada November 1, 1948

6 Claims. (Cl. 129-16.7)

1. A vertical file folder for use with others in releasable, interlocked, concertina arrangement

on spaced horizontal side rails and comprising a folder with rod-receiving means along a pair of opposite free edges, a pair of identical hanger rods one for each such edge, usable one in upright and the other in relatively inverted position respectively, said rods having ends projecting beyond the margins of said folder and laterally offset, said offset ends having recesses on both upper and lower edges to hook in the same



manner on said rails in either primary upright or inverted position and vertical rod-receiving notches in said rods beyond the margin of said folder and short of the recessed, offset ends, whereby the oppositely offset ends of a pair of rods one from each of adjacent file folders and one of which rods is upright and the other in relatively inverted position lie crossed over one another in locking embrace with said notches inter-nested.

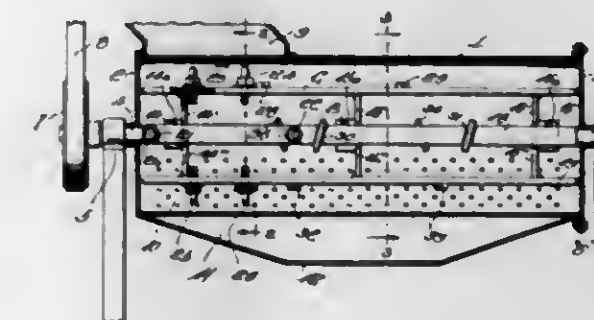
2,626,611

ROTOR FOR CORN SHELLERS

Maurice W. Nixon, Belleville, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y., a corporation of Delaware

Application September 25, 1946, Serial No. 699,317

7 Claims. (Cl. 130-6)



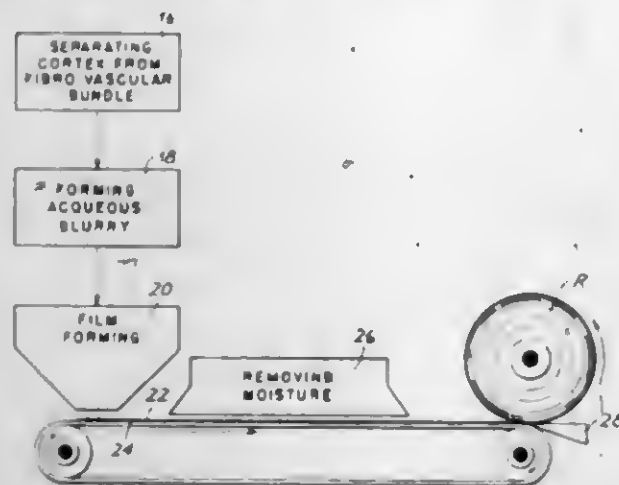
1. A rotor for corn shellers comprising a rotatable driven shaft, a multiplicity of hub members mounted thereon, spokes carried by said hub members in longitudinal radial alignment with respect to said shaft, longitudinally extending flat rectangular bars secured to the ends of said spokes with the major axes of said bars disposed in planes extending normal to the radial axes of said spokes, the assembly of said bars with respect to said spokes providing longitudinally extending unobstructed end-to-end paths between said bars, and a multiplicity of spikes and cleats carried by each of said flat rectangular bars, said spikes projecting from the flat external surfaces thereof and said cleats projecting beyond each linear peripheral edge of said rectangular bars and constituting a dynamically balanced structure.

2,626,612

TOBACCO SHEET MATERIAL AND METHOD OF MAKING SAME

Frank G. Pearce, Tulsa, Okla., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application October 2, 1948, Serial No. 52,537
5 Claims. (Cl. 131-17)

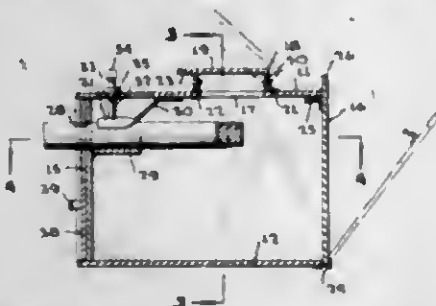


1. The method of forming continuous, self-supporting reconstituted tobacco cortex films or sheets which comprises removing the cortex from the stems and veins of tobacco, forming an aqueous slurry from said cortex, forming said cortex slurry into a continuous thin web, and removing moisture from said web.

2,626,613

LIGHTED CIGARETTE HOLDER

William S. Glance, White Haven, Pa.
Application May 22, 1951, Serial No. 227,724
3 Claims. (Cl. 131-174)



3. A cigarette holder comprising a closed receptacle having side, top, bottom and end walls and having a cigarette receiving aperture in one end wall thereof, a shelf secured at one end to said one end wall at the lower portion of said aperture, a spring secured to the top wall of said receptacle wall having a cigarette engaging portion disposed adjacent the upper portion of said aperture and in opposition to said shelf, means connected to said cigarette engaging portion and extending through the top wall of the receptacle for manually moving said cigarette engaging portion away from said shelf for the insertion of a cigarette therebetween, one wall of the receptacle having a ventilating opening therein, and means hinged to said last-named one wall and movable into and out of closing relationship with said opening.

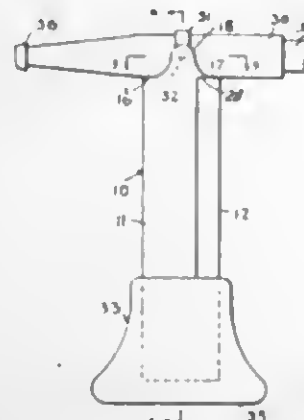
2,626,614

COMBINED CIGARETTE HOLDER, CASING, AND STAND

Francis R. Hamer, West Asheville, N. C.
Application May 7, 1951, Serial No. 225,016
4 Claims. (Cl. 131-186)

1. A combined casing and stand comprising, an elongated casing element having one end open

and including opposed assembled casing sections, one casing section being adapted to be moved to an open position with relation to the other casing section, longitudinal extensions carried by one end of one casing section adjacent to said open end of the casing element and projecting outwardly beyond the end of such casing section, said extensions and such casing section carrying the extensions being provided with longitudinal grooves, the outer portions of the grooves being formed in the extensions and having their outer

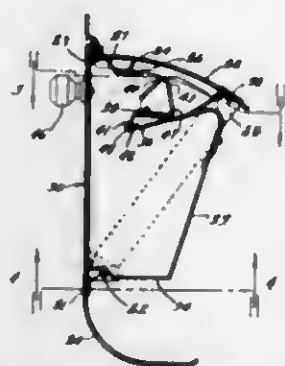


ends closed and the inner portions of the grooves being formed in such casing section and having side openings, a cigarette holder provided with transverse pin means, the pin means being adapted for insertion within said grooves, the casing sections holding the cigarette holder transversely of the open end of the casing element when the casing sections are closed and the pin means held within the outer portions of said grooves, and means for holding the casing element in an upright position.

2,626,615

ASH TRAY

Leo R. Buroker, Dallas, Tex.
Application October 6, 1949, Serial No. 119,950
8 Claims. (Cl. 131-237)



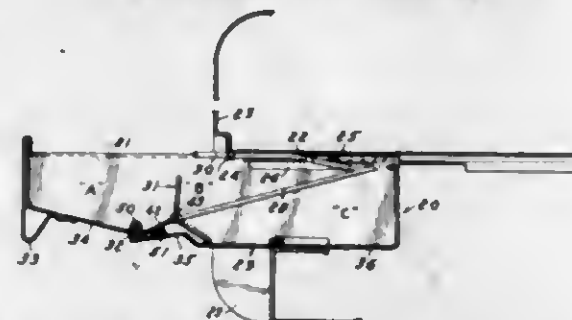
2. A tobacco ash receptacle cigarette and cigar extinguisher comprising, a housing member, a trip on said housing member, a front cam on said trip, a rear cam on said trip, a tray movable in and out of said housing, a rocker pivotally mounted on said tray adapted to pass said trip when said tray is moved into and out of said housing, said rotor having a first bearing portion, a second bearing portion, and a recessed portion between said bearing portions, a resilient plate bearing against said first and second bearing portions of said rocker normally positioning said rocker and normally covering the recess formed by said recessed portion of said rocker to form a substantially closed chamber therebetween, said rotor having a front portion adapted to contact said rear cam on said trip to rock said rocker against said resilient plate when said tray is opened relative to said housing whereby said first bearing

portion of said rocker depresses said resilient plate and said second bearing portion of said rocker moves away from said resilient plate so that the chamber between the said recessed portion on said rocker and said resilient plate is opened at the bottom thereof to dump a previously extinguished cigarette therefrom, and said rocker having a cam contacting portion adapted to contact said front cam on said trip to rock said rocker against said resilient plate as said tray is closed relative to said housing whereby said second bearing portion of said rocker depresses said resilient plate and said first bearing portion of said rocker moves away from said resilient plate so that the chamber between said recessed portion on said rocker and said resilient plate is opened at the top thereof to receive a burning cigarette therein; said resilient plate and said bearing portions of said rocker being adapted to maintain a relation so as to close the chamber between said rocker and said resilient plate when said tray is in closed relation to said housing.

2,626,616

ASH TRAY

Leo R. Buroker, Dallas, Tex.
Application May 25, 1950, Serial No. 164,060
14 Claims. (Cl. 131-237)



10. A tobacco ash receiver comprising a stationary member, a front stop on said member; a rear stop on said member, a tray slidably mounted relative to said member having means forming spring slides therein, a spring slidably mounted in the slides of said tray pressing toward the bottom of said tray and slidably pressing against said member in the area of said member between said stops so that the sliding relation between said spring and said member is limited by said stops; a bladed rotor rotatably disposed on said spring at said tray end of said spring so that said spring urges said rotor against said tray bottom, said tray having a dog adapted to rotate said rotor when said tray is slid into said member and to by-pass said rotor when said tray is slid out of said member so that said rotor walks over said dog on one of its high points when said tray is closing to trap a burning cigarette between two of the blades and the bottom of said tray to extinguish the burning cigarette and grind the extinguished cigarette between a high point on said rotor and said tray bottom when said tray is subsequently opened.

2,626,617

POWDER DISPENSING COMB

John L. Sullivan, Seattle, Wash., assignor, by mesne assignments, to Comb-A-Flea Co., Inc., a corporation of Washington
Application December 10, 1949, Serial No. 132,256
1 Claim. (Cl. 132-13)

A powder dispensing comb comprising a manifold, hollow teeth extending as lateral outlets from the manifold and each having a discharge opening to the atmosphere adjacent its tip, a hollow stem leading to the chamber of the manifold and having a port adjacent its outer end.

and a collapsible necked bulb enclosing said stem with its neck snugly investing the stem at a point thereon removed a material distance from said port so that an appreciable quantity of powder can be stored in the bulb and will substantially all be forced between the stem and the bulb

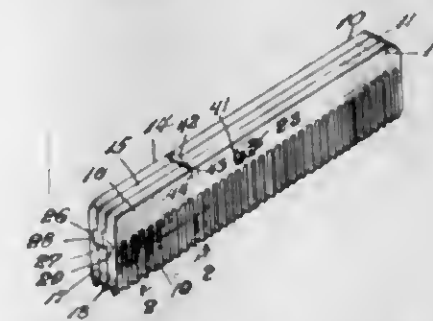


when the latter is squeezed leaving the port clear for the passage of a homogeneous mixture of powder from the bulb into the manifold chamber, the combined flow capacities of the discharge openings from the teeth being as great as that of the said port in the stem so that the teeth will not clog.

2,626,618

COMB

Curtis L. Collison, Cranston, R. I.
Application June 16, 1950, Serial No. 168,640
6 Claims. (Cl. 132-20)

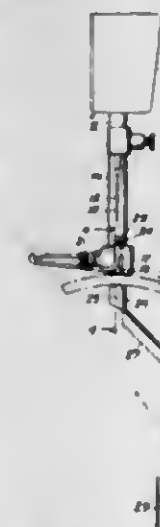


4. A comb comprising a plurality of sections each having a back with teeth extending laterally therefrom, means to slidably hold said sections in face-to-face relation, and means to adjust the relative position of said sections longitudinally of the back, adjacent teeth of at least one of the sections having concave portions facing each other.

2,626,619

APPARATUS FOR INSERTING HAIR INTO DOLL HEADS

Robert Slevers, New York, N. Y., assignor to Gloria Figure, Inc., New York, N. Y., a corporation of New York
Application September 10, 1949, Serial No. 115,012
7 Claims. (Cl. 132-56)



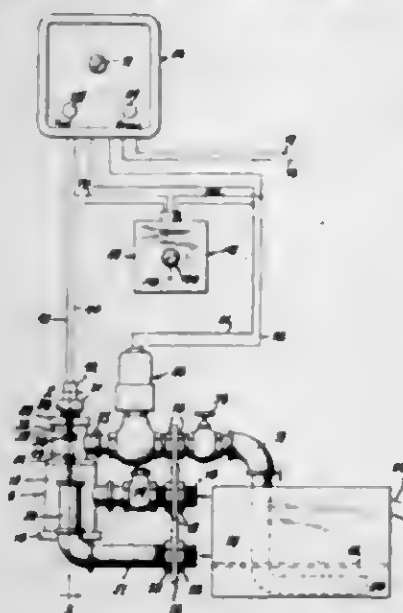
1. Apparatus for applying hair to the surface of a material which comprises a notched reciprocating needle to be advanced through the surface of the material, a block having a slot in line with the needle and along which the needle

passes as it is advanced to the surface and means disposed adjacent the needle in advance of the material to press hairs against the side of the needle to be picked up by the notch in the needle and advanced into and through the material.

2,626,620

REGULATOR RESPONSIVE TO THE ELECTRICAL CONDUCTIVITY OF A SOLUTION

Albert Woodall Smith, Kenmore, N. Y.
Application August 30, 1948, Serial No. 46,864
18 Claims. (Cl. 134-57)



1. A regulator for restoring the specific electrical conductance of a solution maintained at a predetermined temperature, whenever a small reduction in conductivity occurs, which comprises a feeder arranged to add to said solution a concentrated component thereof, means providing an electrical current in excess of a predetermined value and varying in response to changes in conductivity of said solution, a pair of parallel electrical circuits energized by said electrical current varying means to respond to the variations of said electrical current and one actuating a switch rendered operative in response to a low value of conductivity of said solution and the other actuating a switch opened in response to a high value of conductivity of said solution, a warning means, means in circuit with said switch rendered operative in response to said low value of conductivity and arranged to render said warning means operative when said conductivity falls slightly below said low value and inoperative when said conductivity is raised to said low value, and means in circuit with said switch opened in response to said high value of conductivity and arranged to render said feeder operative when said conductivity falls to a level slightly below said high value and arranged to render said feeder inoperative when said conductivity is restored to said high value, whereby the conductivity of said solution is maintained substantially constant.

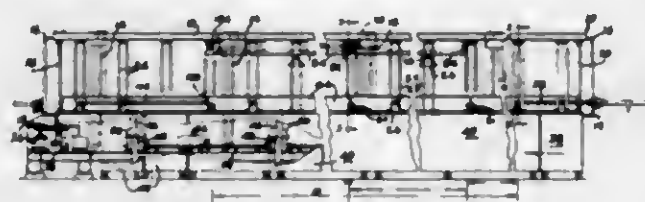
2,626,621

PROCESSING MACHINE HAVING A TREATMENT TANK AND AN ELEVATOR MECHANISM

Thomas H. Curtis, Red Bank, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application May 12, 1949, Serial No. 92,838
17 Claims. (Cl. 134-57)

1. In a processing machine including a treatment tank, a conveyor extending along the tank,

carrier arms on the conveyor and an elevator adjacent said conveyor for lifting said arms over the end partitions of the tank; an auxiliary lift station on said elevator intermediate the ends of said tank, and control means for making said

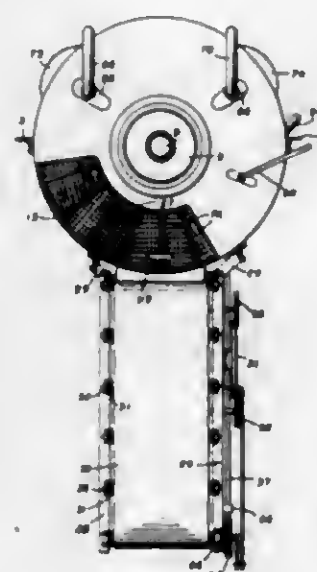


station effective for lifting some of said arms from the tank during their passage therethrough to shorten the treatment cycle of work pieces thereon, and support means for maintaining the arms so lifted in an elevated position during the remainder of their travel along said tank.

2,626,622

DISHWASHING APPARATUS

Cyrus P. Duffy, Brooklyn, N. Y.
Application February 11, 1947, Serial No. 727,837
5 Claims. (Cl. 134-80)



1. A dish washer comprising a base, a washer housing carried by said base, a dish-receiving element rotatable in said housing, said element including a drum having radial partitions carried thereby and having a substantially water tight seal with the housing, dish supporting horizontal screens secured between said partitions, dish ejecting means movably mounted between adjacent partitions, said housing having a dish discharge opening with which said screens successively register, spray means for directing sprays of soap mixture and rinsing water into said element at sequential positions during its rotation, collecting means for separately collecting and discharging said soap mixture and rinsing water from said housing, means for rotating said element and means for actuating said ejecting means during the periods when such ejecting means and screens are in alignment with said discharge opening, said ejecting means including an ejecting plate movable radially of said element, an arm on said plate extending through said housing, said actuating means being mounted exterior of said housing and having an operating connection, said connection being intermittently engageable with said arm for actuating the latter.

2,626,623

MACHINE FOR CLEANING THE WATER SPACES OF RADIATORS AND ENGINE BLOCKS OF MOTOR VEHICLE POWER PLANTS

Orio G. Tilton, Fullerton, Calif.
Application March 3, 1950, Serial No. 147,402
3 Claims. (Cl. 134-98)

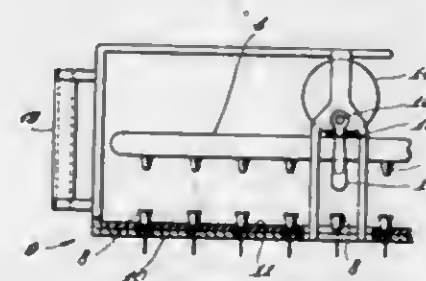


1. In a machine for cleaning the water spaces of radiators and engine blocks of motor vehicle power plants, including a pump embodying a cylinder with a reciprocal piston therein and having end portions formed with combined inlet and outlet openings, a conduit leading from each of said openings, and a hose attached to each of said conduits for connection with the water spaces of a radiator and an engine block; a liquid supply pipe connected to an end of the pump cylinder through the opening therein and to the conduit leading therefrom to direct liquid from said supply pipe to one end of the pump cylinder and directly from said supply pipe to the conduit leading therefrom, a cut-off valve in said pipe, a pipe leading from said supply pipe into the lower end portion of said pump cylinder, a cut-off valve in said last named pipe, a drain pipe connecting with said last named pipe, and a cut-off valve in said drain pipe.

2,626,624

HYPODERMIC NEEDLE CLEANING APPARATUS

William J. Holderith, New York, N. Y.
Application June 26, 1950, Serial No. 170,366
5 Claims. (Cl. 134-152)



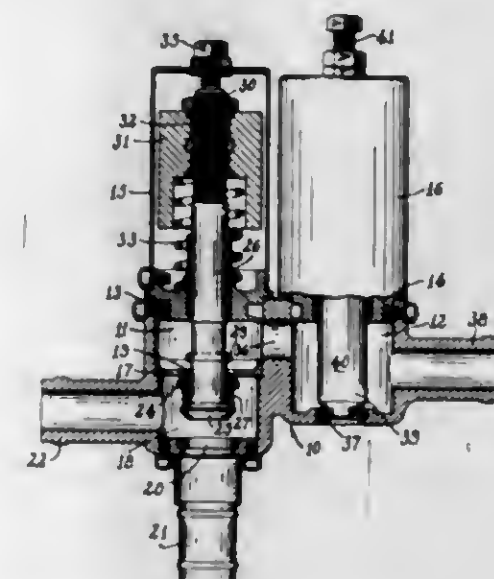
1. A device for holding hollow tubular articles for cleaning such as hypodermic needles and the like, comprising a cleaning manifold adapted to be connected, respectively, to a source of cleaning fluid and a source of warmed air for drying, a plurality of tapered cleaning stubs on the manifold each adapted to fit internally into the article to be cleansed, a holder for carrying the articles comprising a frame, a carrying strip supported by said frame and provided with a plurality of apertures to receive the articles and hold them in position, each of said apertures being aligned with a corresponding stub in said manifold, and means to move said frame supporting the carrying strip relative to said manifold to

bring said tubular articles into engagement with the respective stubs, said means comprising a cam interposed between the frame and the manifold and in operative engagement with the frame, rotation of the cam causing the frame supporting the carrying strip to move relative to the manifold to bring the articles into engagement with the stubs, and means to rotate the cam to effect movement of the frame relative to the manifold.

2,626,625

VALVE STRUCTURE

Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut
Application November 11, 1944, Serial No. 562,945
4 Claims. (Cl. 137-38)



1. Means for inflating the bladder of an aviator's suit, or the like, comprising a valve casing having a chamber provided with an inlet port and a pair of aligned outlet ports, a valve stem slidably mounted in the casing and extending into the chamber through one of said ports, a valve carried by said stem to control the other of said ports, a second valve slidably mounted on said stem and controlling said first port, a spring urging said slidably mounted valve along the stem toward said first port, a weighted member on the stem tending to move said first-named valve member toward the other of said ports under the action of centrifugal force, and an abutment on the stem engaging said slidably mounted valve member to move the latter away from its seat against the action of said spring.

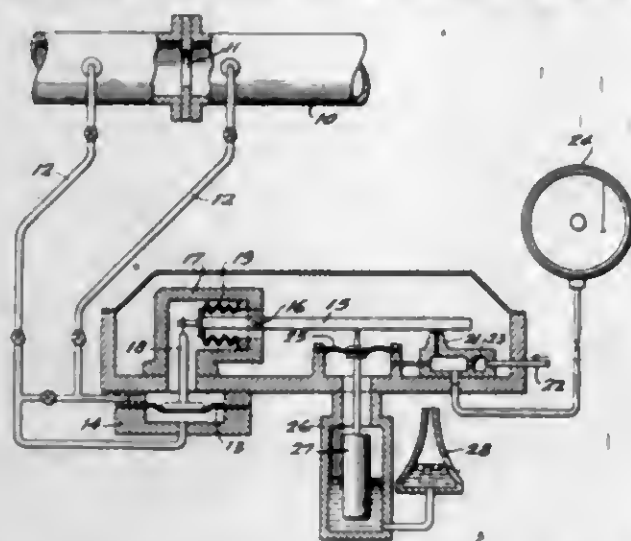
2,628,626

INSTRUMENT FOR PRODUCING A REGULATED FORCE RESPONSIVE TO A CONDITION

Albert J. Rosenberger and Arnold Goldberg, Chicago, Ill., assignors to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application August 10, 1948, Serial No. 43,404
13 Claims. (Cl. 137-85)

1. An instrument for producing a regulated force in response to a condition comprising a balance beam, means responsive to the condition to urge the beam in one direction, means controlled by movement of the beam to produce a regulated force, means directly responsive to the regulated force to urge the beam in the other direction, a chamber to contain liquid, a liquid displacer in the chamber operatively connected

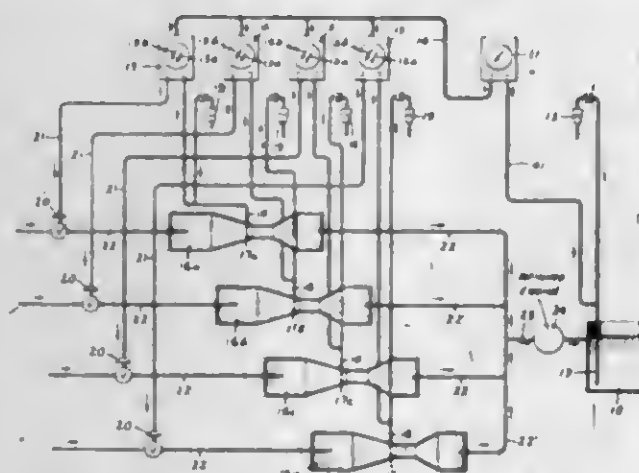
to the beam, and means responsive to the regulated force to vary the liquid level in the



chamber thereby to vary the effect of the displacer.

2,626,627

APPARATUS FOR AUTOMATICALLY PROPORTIONING PULP STOCKS
Werner D. Jung, Tafton, Pa., and Carleton E. Saecker, Teaneck Township, Bergen County, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application January 3, 1951, Serial No. 204,202
8 Claims. (Cl. 137-88)

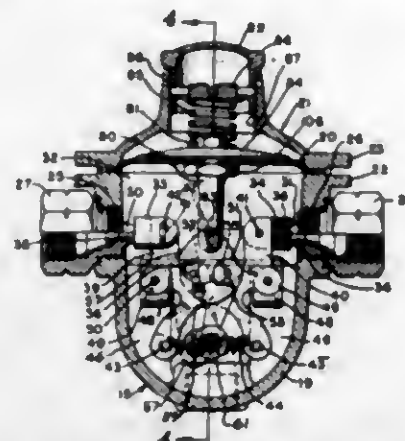


1. An apparatus for automatically controlling the proportions of a plurality of paper pulp stocks fed from separate stock supplies through a common stock line to a paper-forming machine, which comprises a plurality of stock ducts leading from said supplies to said paper machine, a flume having gradually converging side walls forming a restricted throat therein on each stock duct, an open flow type valve on each duct ahead of said flume, a valve control system, responsive to liquid level variation in a stock head producing device positioned in said common stock line, controlling the valve on at least one of said stock ducts to enlarge said valve opening upon fall of liquid level and reduce said valve opening upon rise of liquid level in said head producing device, and valve control systems responsive through air pressure type metering devices to liquid level variations at points ahead of the throats of a plurality of said flumes controlling the valves ahead of the corresponding flumes, the aforesaid valve control systems including a master controller and a plurality of subordinate controllers responsive to said master controller to vary the valve settings controlled by each subordinate controller in response to changes in liquid levels affecting said master controller.

2,626,628

AUTOMATIC CHANGE-OVER

Harold L. Norway, Inglewood, and Willis A. Perry, Los Angeles, Calif., assignors to Southwestern Development Company, Inglewood, Calif., a corporation of California
Application December 17, 1948, Serial No. 65,888
17 Claims. (Cl. 137-113)

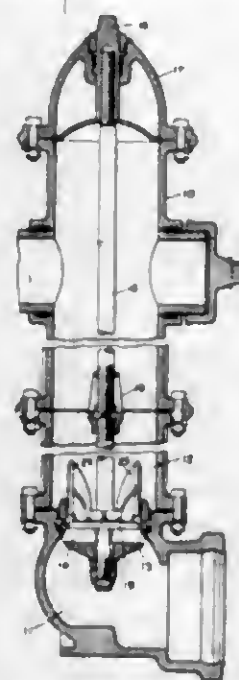


1. In fluid flow control apparatus: means defining a chamber having a pair of inlets and an outlet; a valve for each inlet; a movable wall subjected on one side to pressure in said chamber; yielding compression means exerting effective pressure on said wall in opposition to the pressure in the chamber; connecting means between said movable wall and said valves, said connecting means including direct and lost motion connections for each valve, said connections being so arranged that when one valve is directly connected with the movable wall a lost motion connection is interposed between said wall and the other valve; and means for selectively actuating the connecting means.

2,626,629

CHATTER PREVENTING DEVICE FOR VALVES

Lucien W. Mueller and Frank H. Mueller, Decatur, Ill., and Earl E. Cline, Chattanooga, Tenn., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application November 25, 1947, Serial No. 788,006
1 Claim. (Cl. 137-283)



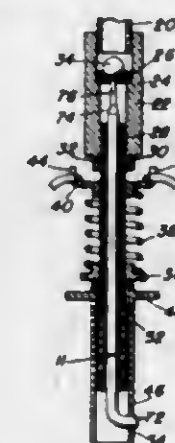
In a fire hydrant having an elongated barrel provided at the lower end thereof with a valve seat formed with a downwardly-facing frusto-conical sealing surface and the hydrant further

having a reciprocating valve member complementary to the seat sealing surface and provided with a stem rigidly fixed thereto and extending through the barrel, the combination of: a plurality of circumferentially spaced guide members mounted for movement with the stem and valve member and guidingly engaged within the seat; and cylindrical disc-like means coaxial and mounted for movement with the valve member and disposed between the valve member and said guide members, said means being of considerable axial extent, only slightly smaller diameter than the minor diameter of the seat sealing surface and, when the valve member is seated, extending upwardly from the upper edge of the seat sealing surface to restrict flow, as the valve member moves to open position, until the latter moves a considerable distance off the seat.

2,626,630

HYDRAULIC CONTROL VALVE

Francis B. Hotton, Salisbury, Md.
Application August 3, 1950, Serial No. 177,515
5 Claims. (Cl. 137-408)



4. A hydraulic control valve comprising an inlet conduit, a valve casing secured to the end of said conduit, a pressure closed valve means in said casing, an outlet conduit connected to said casing, a spring retainer mounted on said outlet conduit, a spring mounted on said retainer, a trough supporting member mounted on said spring, means supporting a trough from said supporting member, an outlet sleeve rigidly secured to said supporting member, said outlet conduit extending into said sleeve, a plunger extending through said outlet conduit, said plunger having an end for engagement with said valve means, said sleeve having apertures therein and said plunger having a portion for insertion into one of said apertures, whereby said plunger operates said valve means in response to movement of said sleeve.

2,626,631

HYDRAULIC CONTROL VALVE

Francis B. Hotton, Salisbury, Md., and Lewis A. Medlar, Orland, Pa.
Application February 19, 1951, Serial No. 211,638
3 Claims. (Cl. 137-408)

1. A hydraulic control valve comprising a tubular housing having first and second bores and an apertured partition wall therebetween, a tail pipe connected to said housing and in said second bore, an annular valve seat disposed on said partition wall, a ball valve disposed in said first bore for engagement with said seat, first means for unseating said ball valve, and second means connected to said tail pipe for supporting a trough, said first means including an elongated rod having a reduced end portion extending through said apertured partition and engageable with said

ball valve, said elongated rod having its lower end bored and internally threaded, and an adjusting

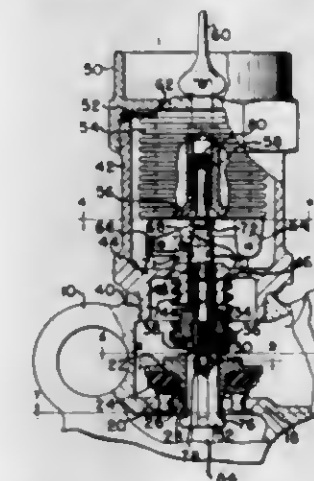


rod received therein for engagement with the bottom of said trough.

2,626,632

AUTOMATIC SHUTOFF VALVE

Othello M. Hillman, Detroit, Mich., assignor to Buckeye Iron & Brass Works, Dayton, Ohio, a corporation of Ohio
Application December 9, 1949, Serial No. 132,155
7 Claims. (Cl. 137-463)



1. In a valve having a valve body and a flow passage therethrough: a valve seat in said passage, a valve member movable against said seat from the inlet side thereof to interrupt said passage, a stem projecting from said valve member, an outwardly open compartment on said valve body into which said stem sealingly extends, a latch pivoted in said compartment and engageable with said stem when said valve member is moved into its open position, a bellows mounted in said compartment so as to close the open side thereof, a force multiplying linkage connecting said bellows with said latch, and a channel connecting the compartment with said flow passage above said valve member whereby a predetermined pressure in said flow passage will actuate said bellows and disengage said latch from said valve stem.

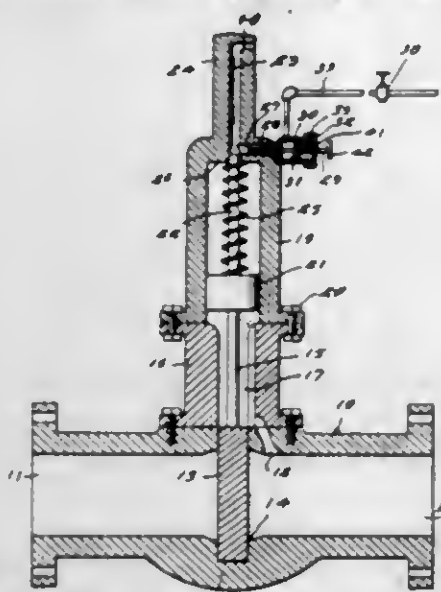
2,626,633

PRESSURE OPERATED VALVE

Allen B. Wilson, Galena Park, Tex.
Application September 2, 1949, Serial No. 113,823
1 Claim. (Cl. 137-599)

A fluid pressure system for a tank having a discharge line, a control valve in the line operative to close said line, a second discharge line from the tank connected to the first-mentioned line on the outlet side of said control valve and having a check valve opening outwardly of the tank, a pressure responsive valve in said second

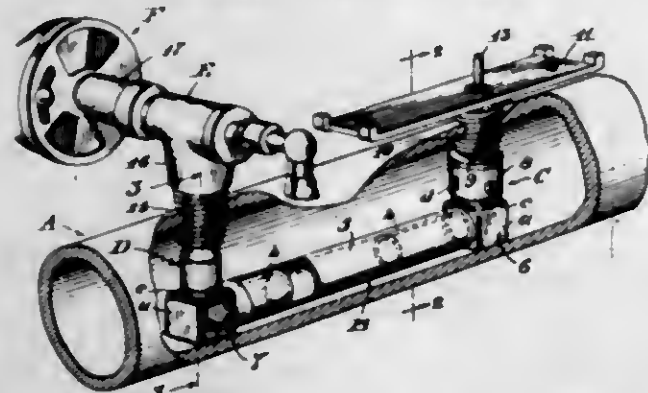
discharge line having an outlet port in communication with said tank through said check valve, said pressure responsive valve having a plug and spring means for holding said plug in a normally closed position, a cylinder means communicated with said outlet port, a plunger having pressure



responsive means thereon and disposed in said cylinder and connected to said plug for operative movement thereof to an open position in response to pressure in said outlet port, and releasable latch means engageable with said plunger for holding the plug in an open position.

2,626,634

GAS DISTRIBUTOR FOR STOVES
Hugh McDowell, Los Angeles, Calif.
Application July 21, 1950, Serial No. 175,047
9 Claims. (Cl. 137-608)



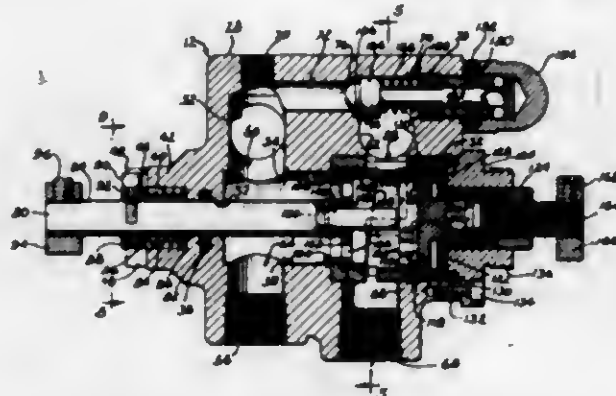
9. In a gas distributor for gas burning stoves, a gas conducting manifold, aligned gas discharging tubes in said manifold, a T-fitting connecting adjacent ends of said tubes, a valve structure within said manifold connecting with said fitting for admitting or cutting off gas through said fitting to said pair of discharge tubes, means included in said valve structure for actuating it from the exterior of the manifold, a pair of regulating valves, nipples on said valves screwed into said manifold having intake ends extending interiorly of said manifold, elbow fittings on the outer ends of said tubes, and ducts connecting said nipples to said elbow fittings.

2,626,635

VALVE CONSTRUCTION
Arnold Eckstein, McHenry, Ill., assignor to Ace Engineering Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1949, Serial No. 109,941
25 Claims. (Cl. 137-610)

1. In a valve, a valve body having a cylindrical chamber, an inlet port, an outlet port and a

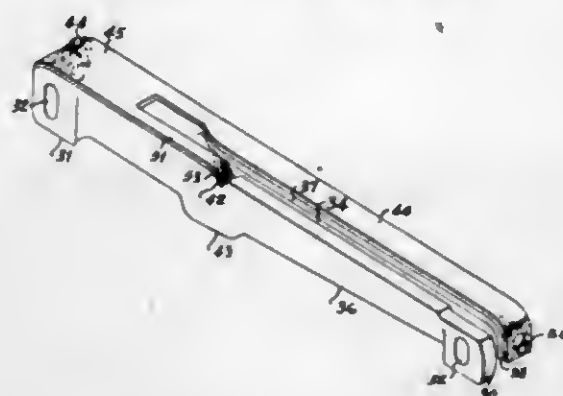
return port, said outlet and return ports opening through the wall of said chamber, and a pair of cylindrical members in said chamber, one of said cylindrical members being rotatable in said chamber, said cylindrical members having axially extending, interengaging extensions,



whereby, upon rotation of said rotatable cylindrical member, the extensions on the respective cylindrical members are moved relatively toward and from each other and effective for closing and opening said outlet and return ports simultaneously.

2,626,636

SHUTTLE BOX FRONT FOR LOOMS
Walter E. Burcham, Elkin, N. C.
Application December 19, 1949, Serial No. 133,793
5 Claims. (Cl. 139-183)



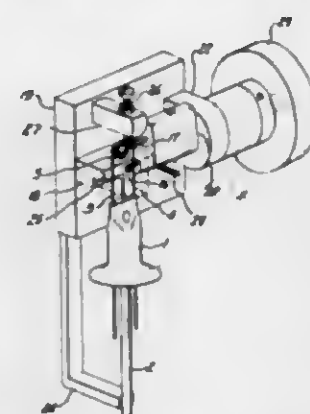
1. In a loom having a shuttle box and a shuttle adapted to be boxed in the shuttle box, an improved box front provided with a longitudinally extending thread slot extending from the inner end of the box front and disposed closely adjacent the lower edge of the shuttle box front and dividing the box front into upper and lower longitudinally extending portions, a liner suitably secured to the inner surface of the shuttle box front, said liner having a longitudinally extending upper portion whose lower surface conforms to the lower surface of the upper longitudinally extending portion of the shuttle box and extending throughout the length of the upper portion, the lower half of the liner extending over and covering less than one-half of the surface of the lower longitudinally extending portion of the box front, so that when a shuttle is boxed in the shuttle box, a space will be provided between the proximate lower surfaces of the shuttle and the lower portion of the shuttle box front to thus permit a weft yarn to sag intermediate its points of support and whereby upon the shuttle being thrown out of the box, the weft yarn will not be caught between the shuttle and the proximate face of the shuttle box front.

2,626,637

METHOD OF MANUFACTURING CATHODE MOUNTS

Jack M. Coughlin, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

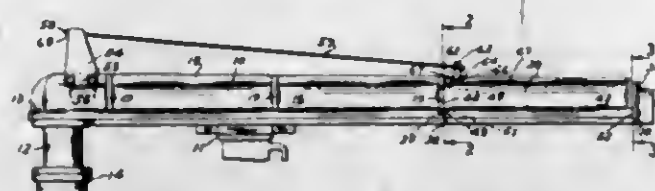
Application April 1, 1949, Serial No. 84,788
3 Claims. (Cl. 140-71.6)



1. The method of manufacturing a cathode mount which comprises securing a coiled filament at its ends to and laterally between a pair of substantially parallel lead-in wires extending longitudinally and substantially equal distances from a supporting stem, and then deforming at least one of said lead-in wires to bring said filament at least approximately into longitudinal alignment with said stem by preliminarily bending an end portion of one lead-in wire toward the other lead-in wire and substantially within the plane defined by said lead-in wires, and then bending a portion of said lead-in wire back upon itself in a plane substantially normal to the plane defined by the parallel lead-in wires.

2,626,638

TOOL SUPPORTING ARM FOR RADIAL SAWS
Carleton P. Gesner, New Haven, Conn.
Application March 31, 1949, Serial No. 84,653
4 Claims. (Cl. 143-7)



1. A support for a tool carriage comprising a supporting arm member, means supporting one end thereof, said supporting arm being adapted to support a tool carriage for reciprocating movement longitudinally of said arm, an arm extension member for the distal end of said supporting arm permitting further outward movement of said carriage, and means rigidly and detachably connecting said members.

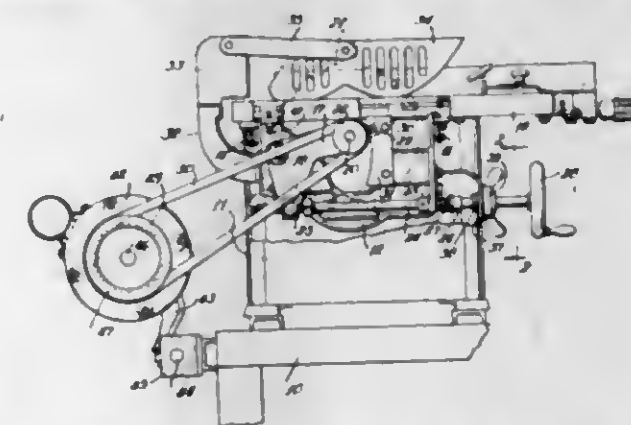
2,626,639

BELT AND PULLEY DRIVE MEANS FOR TILTABLE SAWS AND THE LIKE
Theophil A. Hess, Chicago, Ill., assignor to Duro Metal Products Co., Chicago, Ill., a corporation of Illinois

Application November 4, 1950, Serial No. 194,149
2 Claims. (Cl. 143-36)

1. In a drive mechanism for power tools and the like having a supporting frame and a work table, the combination comprising a tool carrying arbor supported for rotation and for axial tilting movement to adjusted positions in a plane

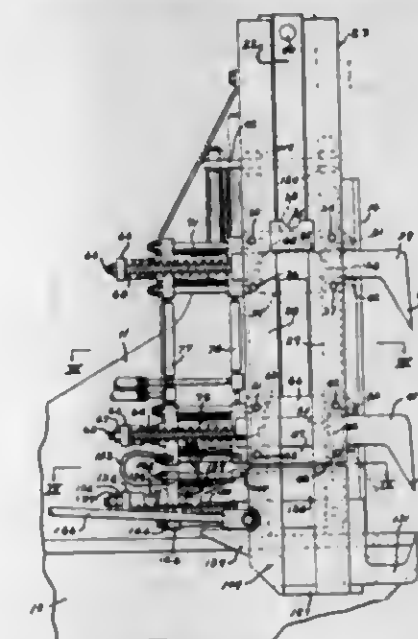
substantially perpendicular to the work table, a V-pulley secured to the arbor, a motor having a drive shaft substantially parallel to said plane and supported relative to the supporting frame for swinging movement toward and from the arbor about an axis positioned below the drive shaft and in a vertical plane lying between vertical planes containing the drive shaft and the arbor, said drive shaft having a driving pulley mounted thereon, a V-belt providing a driving connection between the driving pulley and the V-pulley and being of a length to support the motor at a position above the axis of swinging movement thereof and to the side of the last



mentioned axis away from the arbor, whereby a component of the weight of the motor tensions the belt relative to the V-pulley, said driving pulley comprising an elongated cylindrical belt engageable surface whose axis is of substantially greater length than the width of said belt and a belt confining flange at each end thereof, said motor and driving pulley being so aligned with the V-pulley that the V-belt engages one of the end flanges of the driving pulley when the arbor is in a normal position parallel to the work table and moves away from said one of the end flanges and along the elongated cylindrical surface of the driving pulley when the arbor is tilted from said normal position.

2,628,640

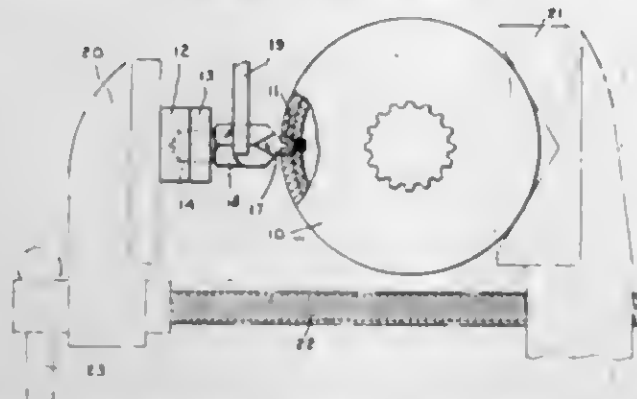
PNEUMATICALLY OPERATED SAWMILL DOG
William F. Cahoon, Birmingham, Ala., assignor, by decree of distribution, to Una Thomas Cahoon
Application August 8, 1949, Serial No. 109,131
10 Claims. (Cl. 143-125)



8. In timber dogging apparatus, a hollow knee, a pair of pneumatic cylinders mounted in the

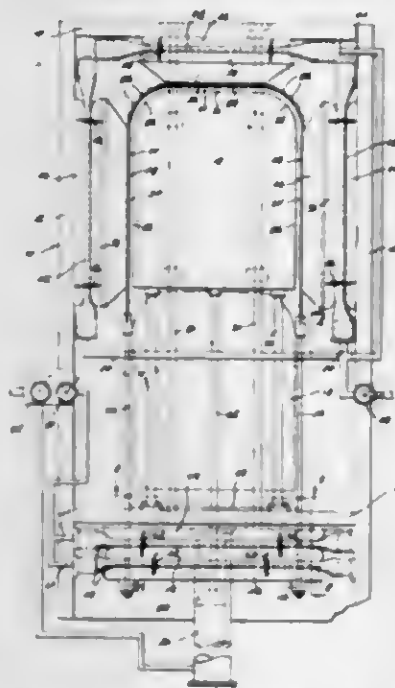
knee, common upper and lower heads for the cylinders, the lower head having an air passage therein leading to both cylinders, an air supply tube extending through the upper head between the cylinders and connected to the lower head to supply air to said passage, threads on the upper end of the tube, and nuts on the threaded end engaging the upper cylinder head to hold the heads in place.

2,626,641
**COMBINED WORK-HOLDING AND
 SCREW-DRIVING MACHINE**
 John E. Martell, Chicopee, Mass.
 Application November 1, 1950, Serial No. 193,331
 1 Claim. (Cl. 144—32)



In a device of the character described, a supporting portion adapted to engage a jaw of a vise and be supported thereby in operative position relative to a generator or the like which is supported against the opposite jaw of said vise, said supporting portion having a recess, a screw driver portion having a portion extending into said recess and carried by said supporting portion and mounted for rotation relative thereto, and having a screw driver adapted for use in connection with screws in said generator, said screw driver portion having flat sides outside of said recess for engagement by a separate wrench for turning said screw driver relative to said supporting portion and generator.

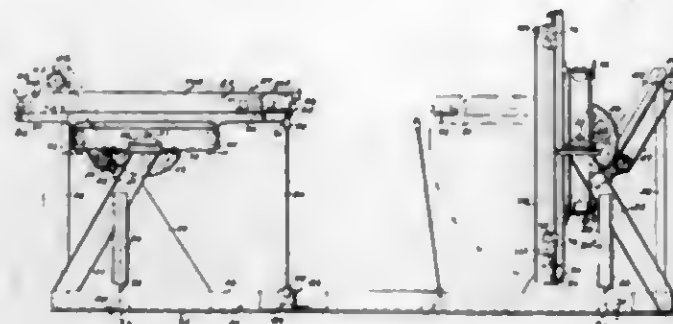
2,626,642
PLYWOOD PRESS
 Romer G. Weyant, Goshen, Ind.
 Application August 13, 1948, Serial No. 44,122
 1 Claim. (Cl. 144—256)



A press comprising a frame, movable pressure plates having inwardly presenting contact sur-

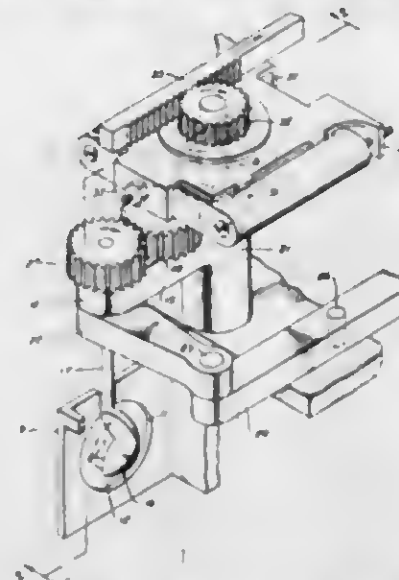
faces carried by said frame, a mandrel having an outer forming surface, means for moving said mandrel between said pressure plates, means for applying pressure between said pressure plates and said mandrel, and locking means mounted on said frame and operatively connected to said mandrel for retaining said mandrel between said pressure plates in pressure engaging relation independent of the pressure applying means.

2,626,643
APPARATUS FOR PRODUCING PREFABRICATED BUILDING WALLS
 John J. Kantzler, St. Clair, Mich.
 Application June 21, 1950, Serial No. 169,431
 5 Claims. (Cl. 144—288)



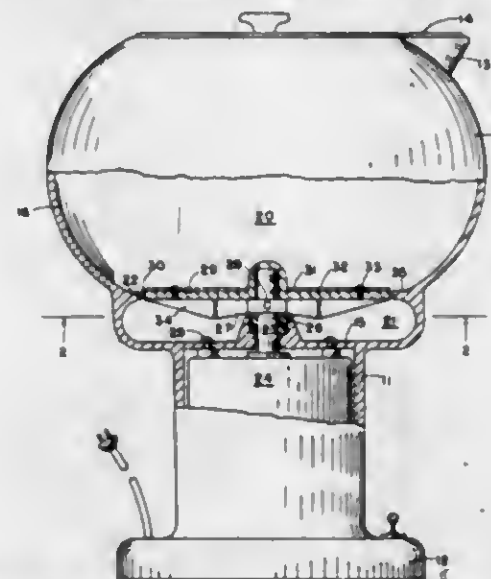
1. An apparatus for assembling a prefabricated building wall or panel comprising an elongated base, longitudinally spaced pairs of supporting standards secured to and rising from said base and disposed in longitudinal alignment, a cross beam extending transversely between the upper ends of each pair of standards, means extending between the upper ends of the standards of each pair and transversely through said cross beams for pivotally supporting the cross beams on the upper ends of the standards, longitudinal beams secured to the ends of said cross beams, a plurality of transverse beams supported on and secured to said longitudinal beams transversely thereof and disposed in equally spaced relationship to one another, longitudinally of the apparatus, a stationary clamping element secured to said transverse beams adjacent to corresponding ends thereof and extending longitudinally of the apparatus, a movable clamping element supported on the transverse beams adjacent their opposite ends and parallel to the stationary clamping element, said clamping elements having adjacently disposed clamping surfaces rising from the transverse beams, feed screw means journaled in one of the clamping elements and threadably engaging the other clamping element and operable for moving the movable clamping element toward and away from the stationary clamping element, locator means connected to and rising from the transverse beams and adapted to support a stud above and in alignment with each transverse beam and between the clamping elements, the ends of the studs being adapted to be spaced from said clamping elements to provide spaces adapted to accommodate top and bottom plates, said feed screw means being operable to displace the movable clamping element toward the stationary clamping element for clamping the studs and plates between said clamping elements while the studs and plates are secured together and while a siding member is disposed on and secured to the assembled studs and plates.

2,626,644
OVERLOAD RELEASE FOR PITTER DRIVE MECHANISM
 Frank P. Russo, Castro Valley, Calif., assignor of fifty-two one-hundredths to F. M. Ball & Co., Oakland, Calif., a corporation of Nevada
 Application August 9, 1949, Serial No. 109,300
 6 Claims. (Cl. 146—28)



1. In a fruit pitting mechanism having a rotatable pitting cutter capable of movement in a relatively unobstructed arcuate path through a portion of fruit for excising therefrom a pit section disposed radially within said path, a rotatable drive element, and means connected with and to move said drive element through cycles of rotational reciprocation; friction clutch means positively interconnecting said drive element and pitting cutter for transmitting prescribed maximum torque therebetween and releasable upon engagement of said pitting cutter with a pit section, a flexible element interposed between said pitting cutter and drive element for transmitting a lesser degree of torque therebetween upon release of said friction clutch means, and means operative at a point in the cycle of reciprocation of said drive element for reengaging said released friction clutch means.

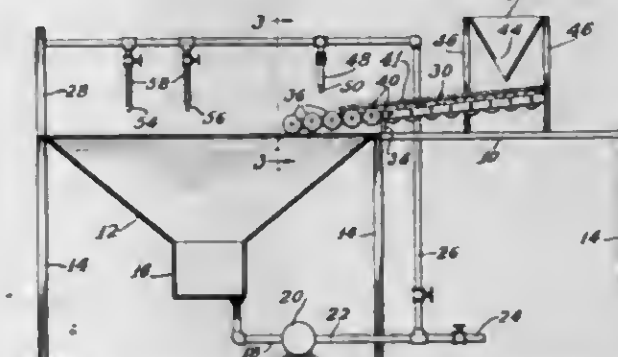
2,626,645
VEGETABLE PEELING APPARATUS
 Adelbert M. Hubman, University Heights, Ohio
 Application October 1, 1949, Serial No. 119,070
 1 Claim. (Cl. 146—50)



An apparatus for tumbling articles in a liquid bath for such purposes as abrading the surface from vegetables, said apparatus comprising, a liquid-holding vessel having a bottom wall and

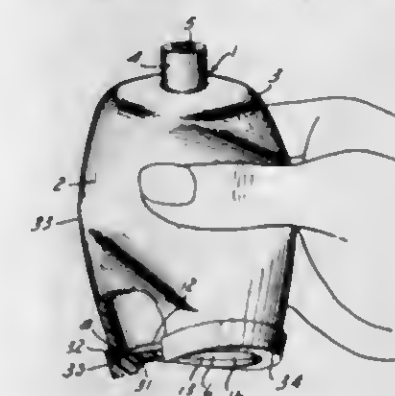
side walls, said side walls defining an open top for introduction of workpieces and fluid into said vessel, a drive shaft passing upwardly through the said bottom wall, sealing means to prevent the passage of liquid out around said shaft, power drive means to rotate said shaft, laterally extending drive vanes carried and driven by said shaft, said vanes producing a whirl drive action upon fluid in said vessel, a horizontally revolvable table member bearing on said shaft is independently rotatable with respect thereto, driven vanes depending from said table in close proximity to said drive vanes for intercepting fluid driven by said drive vanes, said table fitting closely to portions of said side walls and thereby dividing said vessel into substantially independent vertically disposed fluid areas, whereby the lower area is actively motor driven and the upper area is driven by tumbling workpieces and the rotating table.

2,626,646
METHOD FOR PEELING VEGETABLES AND THE LIKE
 Leslie Earl Treat, Wilmette, Ill.
 Application October 29, 1949, Serial No. 124,371
 4 Claims. (Cl. 146—230)



1. The method of removing a surface layer from rigid vegetable material which comprises forcefully projecting against the surface of said vegetable material a suspension of a water soluble non-toxic crystalline material in a saturated aqueous solution of said crystalline material whereby said surface layer is worn off by the impact thereagainst of said suspended crystalline material.

2,626,647
FLEXIBLE CONTAINER
 Murray M. Barton, Kansas City, Mo., assignor to Injection Molding Company, Kansas City, Mo., a corporation of Missouri
 Application February 23, 1951, Serial No. 212,393
 4 Claims. (Cl. 150—5)



1. A flexible self-sustaining thermoplastic injection molded container having a wall and a closed bottom integrally connected with the wall, said wall having an annular shoulder extending outwardly from the inner side of said wall, said

bottom on the inner side of the container having a continuous edge portion abutting said shoulder and close to but free from a corresponding portion of said wall outwardly from said shoulder surrounding said edge portion of the bottom to relieve strain of the bottom with respect to said wall of the container when the container is flexed.

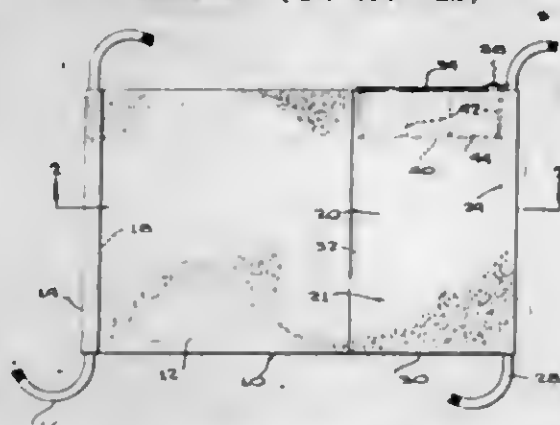
2,626,648

COMBINATION TOWEL AND BEACH BAG

Adella S. Anderson, Pittsburgh, Pa.

Application February 21, 1952, Serial No. 272,798

2 Claims. (Cl. 150-12)



1. A combination towel and beach bag comprising: a single, rectangular length of toweling having one end folded flatly upon itself along a line transverse of said length to form a double-walled, rectangular receptacle at said end for carrying personal articles, said receptacle terminating intermediate the opposite ends of said length of material and having two of its sides permanently closed and extending transversely of said length, said receptacle having its remaining two sides aligned with the opposite longitudinal edges of said length with one of said remaining sides being permanently closed and the other being formed open; a waterproof lining covering the interior of said receptacle; flexible carrying handles disposed along one of the first-named sides of the receptacle and the other end of said length of material, respectively; and separable fastening elements carried by and adapted as a closure means for said open side of the receptacle.

2,626,649

TIRE TREAD

Joseph C. Eller and Walter E. Lyon, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application February 15, 1947, Serial No. 728,860

11 Claims. (Cl. 152-209)



1. A tractor tire comprising a body portion and a tread portion formed with a plurality of

check mark like traction bars each having an arcuate long arm portion and an arcuate short arm portion integrally joined thereto to form an apex, said traction bars being disposed in plural series, the traction bars of each series having the long arm portions extending from outward portions of the tire body to the central tread area with the apices of the traction bars extending across the center line of the tread area in the direction of tire rotation.

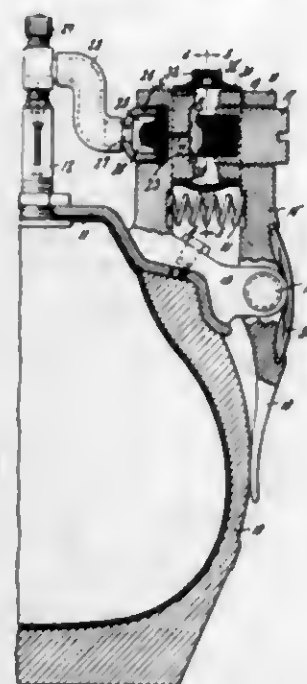
2,626,650

SIDE WALL ACTUATED TIRE PUMP

Willis A. Gibbons, Montclair, and Thomas J. Rhodes, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 25, 1948, Serial No. 51,268

3 Claims. (Cl. 152-419)



1. An air pump for maintaining the pressure in a pneumatic tire on a wheel while the wheel is running, said pump having a small casing connected with the interior of the tire and having a wall through which a small aperture is provided leading into the casing, a one-way valve cooperating with said aperture, a bracket for supporting the pump on the wheel, a pump actuating lever, a spring for urging the lever against a side wall of the tire, and means for forcing air under many pounds of pressure through said aperture and valve into said casing and tire, comprising a rubber block operated by said lever to engage the outer surface of the wall and having a shallow compressible air cup provided with a thick peripheral edge that is stiff enough to keep the air in the cup from escaping around its edge as the cup is flattened against said surface by the lever movement to force air through said aperture and valve.

2,626,651

SWAB FOR TIRE ASSEMBLY MACHINES

Charles E. Manning, Birdsboro, and Gerald E. Walsh, Pottstown, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

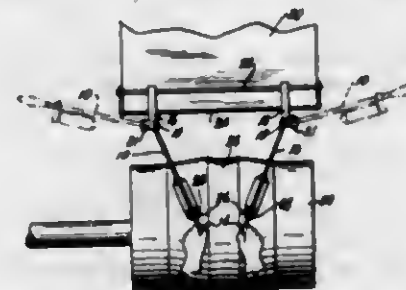
Application June 5, 1950, Serial No. 166,246

5 Claims. (Cl. 154-9)

1. In a swab unit for tire building machine, a lever arm, a depending arm fixed to said lever arm, a spindle fixed to said depending arm to extend therefrom in parallel spaced relation to

said lever arm, a swab assembly including a cylindrical element of rigid material provided with a center bore for removable mounting on said

lower ends of the rear supports to the U-shaped frame, and a leg rest hinged to the forward end



spindle, and detent means cooperatively associating between said rigid member and said spindle to maintain said member on said spindle during use.

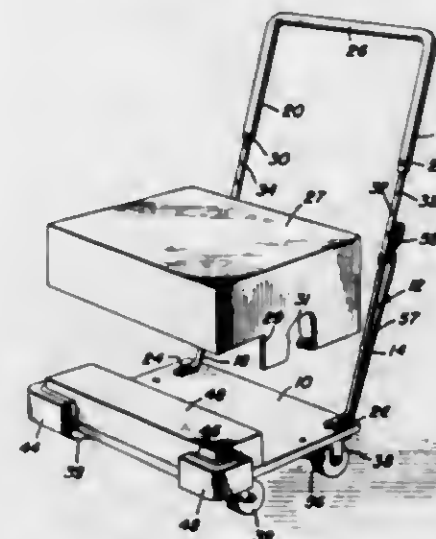
2,626,652

WALKING AID

Albert L. Stelgier, Meriden, Conn.

Application October 14, 1949, Serial No. 121,349

4 Claims. (Cl. 155-22)



3. In a vehicle for invalids, a base panel having four corners, a wheel located at each corner to support said panel, a handle secured to said panel, a weight member carried by said panel and movable on the upper surface thereof to shift the center of gravity of the vehicle, and a stop secured to said panel and rising above the upper surface of said panel to prevent said members from sliding off said panel, and a housing disposed on said panel to cover said weight member and prevent separation of said weight member from said panel.

2,626,653

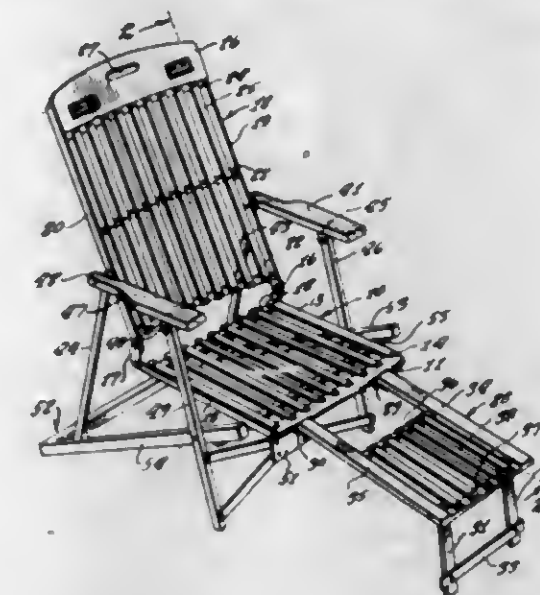
DECK CHAIR

John H. Van Wyck, Hoboken, N. J.

Application March 27, 1950, Serial No. 152,188

3 Claims. (Cl. 155-105)

2. A deck chair comprising a seat portion having side guide members, a back portion adjustably connected to the seat portion, an arm rest and a rear support pivotally connected to each side of the back rest, a front leg structure connected to the forward ends of the arm rests for pivotal adjustment with respect thereto, a U-shaped frame having side leg portions, said side leg portions being pivotally connected to the front legs and respectively having projections extending into the guide members of the seat portion, and means for releasably securing the



of the seat portion and adapted to be collapsed therewith.

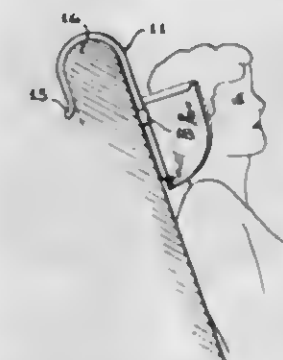
2,626,654

HEADREST

Charles L. Fout, Corpus Christi, Tex.

Application August 17, 1951, Serial No. 242,317

5 Claims. (Cl. 155-174)



1. A head rest comprising a wire frame having parallel depending side legs, means on said frame clampingly engageable with the top edge of a vehicle seat back, a transverse bracket member slidably engaged on said side legs, and a U-shaped, forwardly facing saddle member pivotally secured at its bight portion to said transverse bracket member, said saddle member being adapted to supportingly receive the head of a passenger.

2,626,655

JET ENGINE FUEL SUPPLY SYSTEM

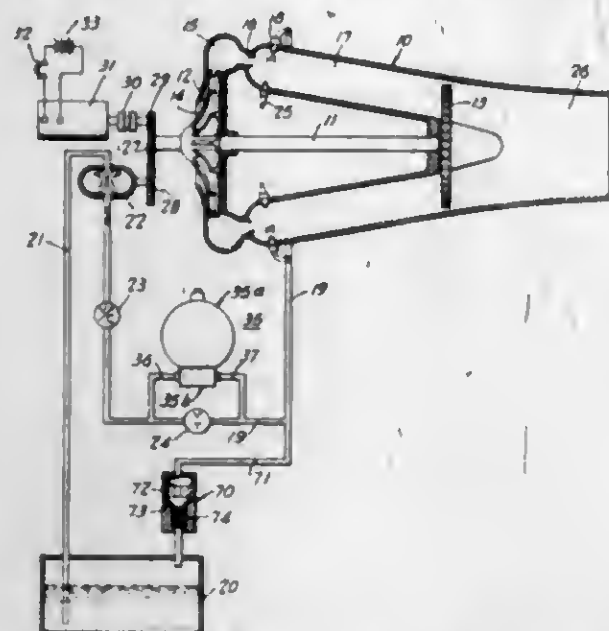
Walter C. Trautman, Los Angeles, and Alvin A. Meddock, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 25, 1945, Serial No. 607,030

11 Claims. (Cl. 158-36.4)

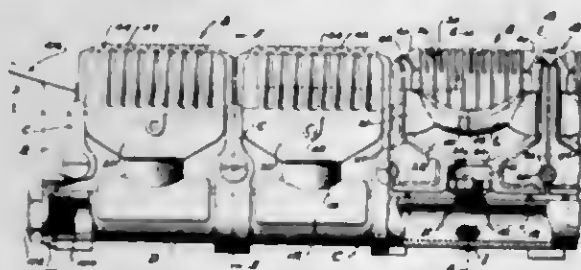
7. In a fuel system for a combustion engine including a fuel-atomizing jet, a fuel pump driven by the engine, a fuel line connecting the pump to the jet, a throttle valve in the fuel line, and means for normally draining fuel from that portion of the fuel line between the throttle valve and said jets when substantially no pressure exists in the fuel line on the jet side of the throttle valve; an accumulator; means normally connecting said accumulator to said line on the pump side of said throttle valve; and means responsive

to a rise in pressure in said fuel line on the jet side of said throttle valve above a predetermined



value for connecting said accumulator to said fuel line on the jet side of said throttle valve.

2,626,656
GAS BURNER AND INTERNAL Baffle FOR GAS DISTRIBUTION
De Witt H. Wyatt, Columbus, Ohio
Application April 16, 1947, Serial No. 741,781
6 Claims. (Cl. 158-114)

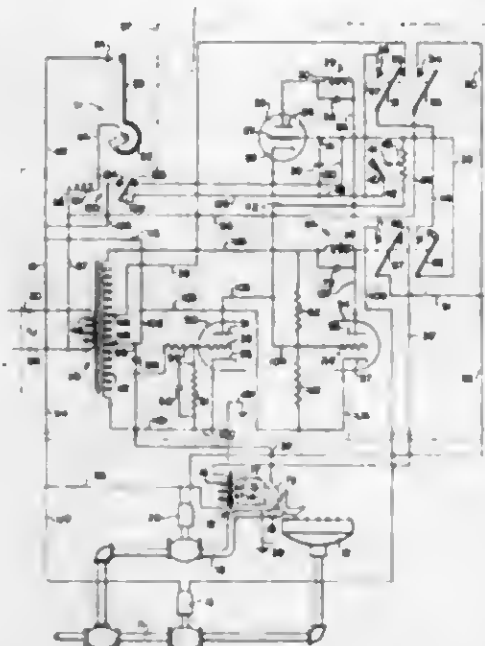


1. A burner head for attachment on and above a gas distributing pipe comprising a pair of substantially symmetrical half castings having mating faces adapted to be disposed in the vertical plane of the axis of the distributing pipe, said castings being hollowed out to form an interior gas mixing chamber, and having top inner edges formed to provide a number of openings along the top of the burner for discharge of gas from said chamber, said castings being formed to provide a gas inlet opening between their bottom inner edges, the mating faces of said castings having aligned sealing grooves therein surrounding said chamber, there being two of such grooves, one at each end of said chamber, each of said grooves extending from adjacent said top inner edges to adjacent said bottom inner edges, and wires of welding material positioned in said grooves to form a seal when said castings are clamped together and when welding heat is applied to said wires.

2,626,657
BURNER CONTROL APPARATUS WITH COMPONENT CHECKING MEANS
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 27, 1949, Serial No. 101,507
18 Claims. (Cl. 158-123)

1. Apparatus for controlling a fuel burner having a control means for indicating the need

for burner operation comprising in combination, an electron discharge device adapted to be energized by the control means, relay means, said relay means having switch contacts adapted to energize means for initiating operation of the burner, means connecting said relay means in the energizing circuit of said discharge device, biasing means, a source of biasing potential, time delay means, means connecting said biasing means, said time delay means and said source of biasing potential in biasing relation to said discharge device so that said discharge device will be rendered inoperative after a predetermined time delay, electric switching means adapted to

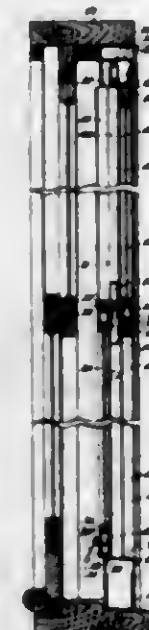


be actuated by means indicating proper burner operation, means including said electric switching means for rendering said biasing means ineffective when said electric switching means is actuated and indicating the presence of combustion, additional biasing means, and means including said electric switching means connecting said additional biasing means to said discharge device when said electric switching means is in actuated position and indicating the presence of combustion and there is no demand for operation of the burner to maintain said discharge device inoperative upon a subsequent demand for burner operation.

2,626,658
TRIPLE SLIDING WINDOW
Louis J. Milone, Livingston, N. J., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio
Application February 3, 1949, Serial No. 74,358
2 Claims. (Cl. 160-101)

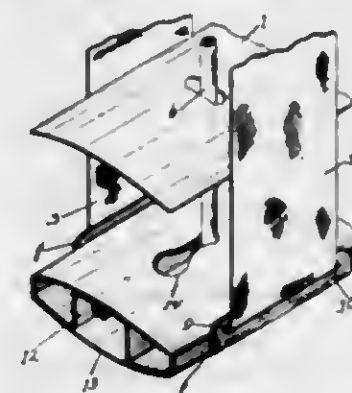
1. A convertible storm window and fly screen unit comprising a storm window frame unit adapted to be secured in a window opening in spaced horizontal relation to the standard window sashes, upper and lower storm sashes spaced horizontally from each other and slidably mounted for vertical movement within the storm window frame and adapted to be raised and lowered with respect to each other, a screen sash interposed in parallelism between the storm sashes and adapted to be raised and lowered with respect to the storm sashes, the upper and lower storm sashes having cooperating meeting rails which are disposed in parallelism in a horizontal plane when said upper and lower sashes are respectively in closed position, said meeting rails having a substantial width in the vertical plane, the meeting rails each comprising a metal extrusion

of duplicate configuration in cross section, each duplicate extrusion including a lateral groove having a sealing strip extending outwardly beyond the vertical plane of the meeting rail, said sealing strips being disposed respectively along the lower edge of the upper storm sash meeting rail and along the upper edge of the lower storm sash meeting rail in planes one above the other, the screen sash having a lower cross rail of sub-



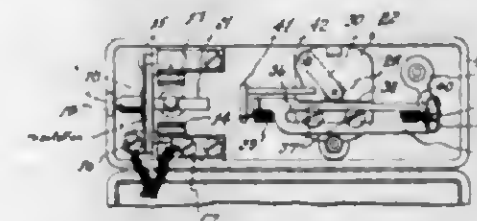
stantially the same width as the storm sash meeting rails, the screen sash cross rail being disposed in a common horizontal plane with respect to the storm sash meeting rails when the screen sash is in elevated position whereby said sealing strips engage the respective upper and lower edges of the screen sash cross rail on opposite sides to establish a weather tight seal when the storm sashes are closed with the screen sash elevated.

2,626,659
BOTTOM RAIL TAPE CLIP CONSTRUCTION FOR VENETIAN BLINDS
Richard H. Wright, Bratenahl, and Anthony Zay, Cleveland, Ohio, assignors to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio, a corporation
Application November 18, 1949, Serial No. 128,088
4 Claims. (Cl. 160-178)



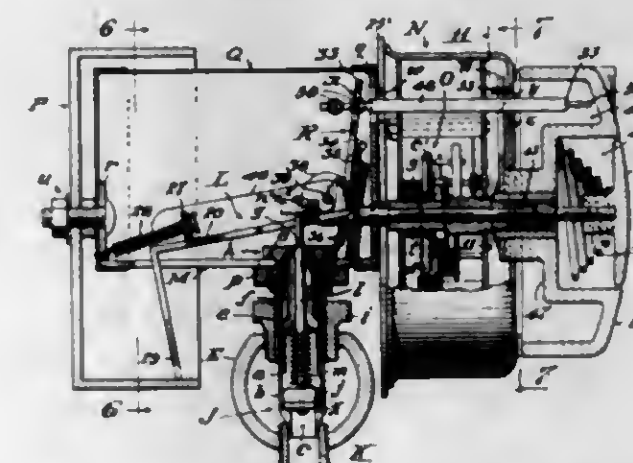
1. In Venetian blind construction, in combination, a bottom rail, slats above said rail, tapes for connecting the bottom rail and slats, and detachable spring clip members interengaging the bottom rail and lower ends of the tapes for positively connecting the tapes to said rail, and a detachable finishing plate on the bottom rail intermediate the under side of the rail and the bodies of the clip members and clamped in position thereon by the clip members.

2,626,660
ELECTRICAL TIMER OUTLET
Alfred O. Seeler, Irvington, and Lawrence Gehrig, Montclair, N. J.
Application April 21, 1950, Serial No. 157,196
5 Claims. (Cl. 161-1)



1. An article of manufacture, which comprises, in combination, a clock escapement having a shaft, a pinion rotatable on said shaft and having a set of spur teeth on its periphery and a set of ratchet teeth on one face thereof, a rack bar engageable with said spur teeth of said pinion, a clutch member rotatable with said shaft and having ratchet teeth meshing with said ratchet teeth of said pinion, and yieldable means for driving said rack bar.

2,626,661
TIME CONTROLLED FUEL FEED MECHANISM FOR GAS BURNERS
Hugh McDowell, Los Angeles, Calif.
Application June 24, 1950, Serial No. 170,142
29 Claims. (Cl. 161-9)



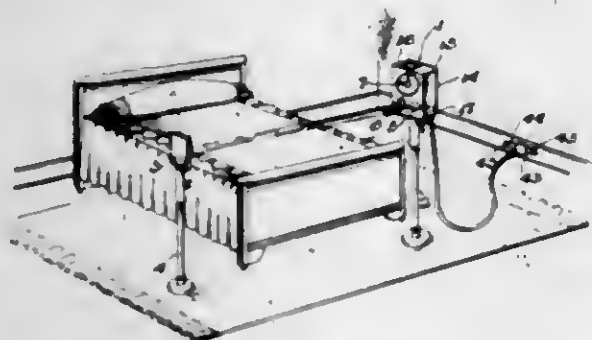
1. In a gas stove having a burner, a gas supply manifold and a manual control valve mounted on said manifold having an outlet and an inlet, and connections between said outlet and burner; a supplemental valve mounted on said manifold having inlet ports opening to the interior of the manifold and having an outlet port, a by-pass connecting said outlet port to the intake of said control valve, said auxiliary valve including a reciprocal piston fitted with a valve stem and a spring normally urging said piston to a position closing said outlet port; an anchor plate fixed relative to said manifold having an upstanding inner end wall, a rocker arm pivoted relative to said end wall for vertical swinging movement, a spring connected to the outer end portion of said rocker arm and to said anchor plate normally holding said rocker arm in a poised position, means connecting said valve piston stem to said rocker arm, an upwardly extending rocker plate pivotally supported on said anchor plate adjacent the inner end of said rocker arm, an inclined web formed on said rocker plate extending beneath said rocker arm, a roller on said rocker arm extending below and engageable by the upper margin of said inclined web, pull spring connecting said anchor plate and the upper portion of said rocker plate normally holding the

latter and the inclined web thereon in a seated position, a clock housing supported on said anchor plate end wall, a tubular arbor revolvably supported in said housing, clock mechanism within said housing including a spring for rotating said arbor in one direction, a knob on the outer end of said arbor for effecting manual rotation thereof in opposition to said spring, a push rod extending longitudinally through said arbor having one end thereof terminating adjacent said inclined web, an extension on said web abutting the adjacent end of said push rod, a push button on the outer end of said push rod, spring means for normally disposing said push button and push rod in a retracted position, said push rod acting on advance thereof to outwardly swing said rocker plate and inclined web to an advanced position, means on said rocker arm for limiting outward movement of said web and rocker plate, the upper edge of said web being arranged to effect elevation of said rocker arm on outward movement of said rocker plate, a detent bar extending through said clock housing substantially parallel with said arbor, springs supporting one end of said detent bar on the upper portion of said rocker plate and exerting a lateral thrust on said detent bar, a shoulder on the other end of said detent bar, said clock housing having an end wall formed with an opening through which the shouldered end portion of said bar extends, the shouldered end of which detent bar is engageable with said end wall when said rocker plate and detent bar are in an advanced position to releasably hold said rocker plate and its associated parts in an advanced position, a radially extending lug on said arbor having an outer end portion engageable with a side of said detent bar, an intumed flange on the clock housing end wall above the opening therein against which said lug is adapted to abut to limit movement thereof in either direction on turning said arbor, said lug being interposable between the shoulder on said detent bar and the end wall of the clock housing when the detent bar is in a fully advanced position and on movement of the lug away from the detent bar allowing the latter to move to a seated position against the clock housing end wall; and said lug on being retracted to its normal position from an advanced position being operable to release said detent bar from engagement with the clock housing end wall thereby effecting release of the parts controlled thereby.

2,626,662

ALARM CONTROL FOR CLOCKS AND PHOTOELECTRIC SWITCHES

John E. Coogan, Carbondale, Pa.
Application February 15, 1947, Serial No. 728,892
2 Claims. (Cl. 161-22)



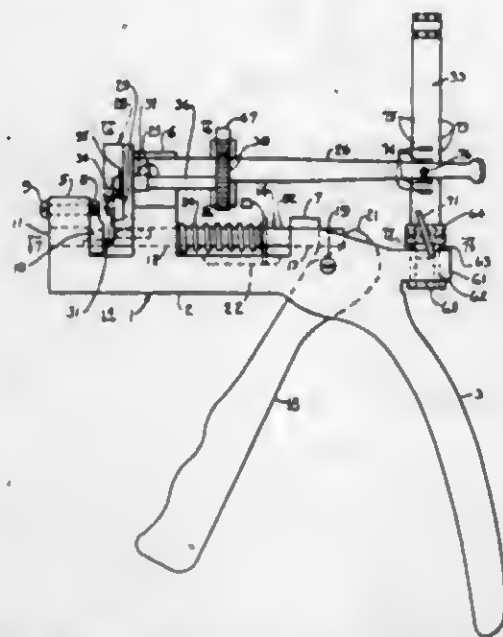
1. An alarm system of the character described, comprising a housing adapted to contain an alarm clock and photo-electric switch mechanism, said housing having a front wall, top and side walls, and a rear wall, said rear wall being

hingedly secured to the rear of the top wall, a clock mounted in the front wall of the housing, said clock having an alarm control mechanism and means for adjusting the same to operate at predetermined times, a photo-electric switch mechanism, including a light sensitive cell, an exciter bulb, an amplifier, a switch, and associated circuits, mounted within the housing, a lock for the rear wall, a signal device, and electrical means actuated by said alarm control mechanism for operating the signal and said lock, the lock being maintained in locking position during the operation of the alarm control mechanism, said light sensitive switch mechanism being operatively connected with said signal for arresting operation of the same without affecting the actuation of the alarm control mechanism.

2,626,663

KEY CUTTING MACHINE

Howard Abrams, University Heights, Ohio, assignor to Curtis Industries, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 22, 1949, Serial No. 134,564
8 Claims. (Cl. 164-50)



1. A key cutting machine comprising a frame; an anvil secured thereto; a die slidably mounted thereon and adapted to cut notches in key blanks; a head slidable vertically on the frame adjacent to the anvil; a carriage for supporting and guiding horizontally a key blank on the head in position to be cut; means to move the head slidably on the frame; means to move the die relative to the anvil to cut notches in the blank; and means energized by the operation of the means for moving the head slidably on the frame for moving said carriage to position the blank successively in positions for an entire series of cuts thereon.

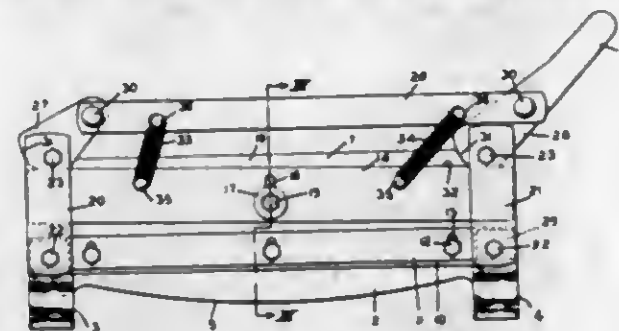
2,626,664

CUTTER FOR ASPHALT TILES AND THE LIKE

Charles A. Regele, Mannheim Township, Lancaster County, Pa.
Application November 9, 1949, Serial No. 126,305
7 Claims. (Cl. 164-57)

1. In a cutter for asphalt tile and the like, the combination of a frame, a stationary cutter bar fixed on the frame, a movable cutter bar mounted for sliding movement on the frame in shearing relationship with the stationary cutter bar with the cutting edges of said cutter bars being inclined in a single direction, one with respect to the other, means attaching said movable

cutter bar to said frame for sliding and rocking movement with respect thereto in a fixed plane, means engageable with the movable cutter bar adjacent to each of the ends thereof to move the same in said fixed plane with respect to said stationary cutter bar with a substantially uni-

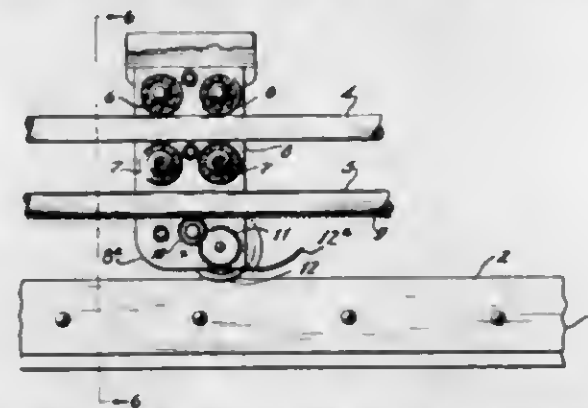


form motion to bring the cutting edge of the movable cutter bar progressively into shearing relationship with respect to the stationary cutter bar, and a spring acting on each end portion of said movable cutter bar and constituting the sole means for returning said movable cutter bar to normal position.

2,626,665

DEVICE FOR TRIMMING SHEET MATERIAL

George H. Chamberlain, San Jose, Calif.
Application January 30, 1948, Serial No. 5,237
8 Claims. (Cl. 164-77)



1. A trimmer comprising the combination with a board and a shear strip thereon, of upper and lower parallel rails, the one above the other, extending parallel to the edge of said shear strip, a carriage with rotatable means for slidably supporting the same upon the upper one of said rails, a rack upon the lower one of said rails, a pinion rotatably mounted upon said carriage and having operative engagement with said rack, a rotatable cutter adapted for operative engagement with said cutting edge, a bearing mounted upon said carriage for said cutter, said cutter having a shaft mounted for rotatable adjustment about a vertical axis within said bearing so as to effect an inclination of said cutter with respect to said shear strip in either direction of its movement along said shear strip, said cutter having a gear mounted upon its shaft for meshing engagement with said pinion.

2,626,666

TAPE CUTTER

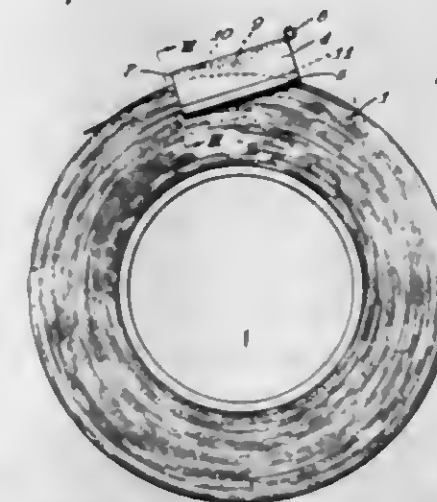
Harold A. Coldiron, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York

Application April 16, 1949, Serial No. 87,919

1 Claim. (Cl. 164-84.5)

As an article of manufacture, a tape cutting device for slip-on frictional engagement with a roll of tape, said device comprising an integral

channel-shaped member having a rectangular web portion provided with a cutting edge at one end and flanges depending from the sides of said web portion and converging toward each other to directly and frictionally engage the sides of said tape roll with the web portion overlying the outermost layer of tape, a spacer extending transversely of said web portion against the under side of said portion adjacent to but spaced backwardly of said cutting edge to rest against the outermost layer of tape, and a second spacer



extending transversely of said web portion and secured in said flanges adjacent the end thereof away from said cutting edge and spaced from said web portion a distance such that when said spacers both rest against the outermost layer of tape said cutting edge is substantially spaced from said roll and prevented from coming into direct contact therewith so long as both spacers are held in contact with the outer surface of said roll, said web having a depressed finger rest intermediate said spacers.

2,626,667

HOLLOW DRILL ASSEMBLY

William R. Spiller, Dayton, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application June 14, 1947, Serial No. 754,733
4 Claims. (Cl. 164-86)



4. A hollow drill assembly of the character described for use with a hollow drill having a shank portion at the upper end thereof, comprising a drill head spindle having a tapered socket therein, a tapered split collet proportioned

to be received within said socket, said collet having a central bore for receiving said shank portion of said drill, said collet having a tapered outer surface for frictional engagement within said tapered socket and resulting clamped engagement of said drill shank in said bore, said collet and said spindle having interfitting retaining means including a projection and a complementary circumferential recess located one on said spindle and the other on said collet for retaining said collet in assembled relation within said socket following withdrawal thereof from frictional engagement with said socket to provide for release of said drill shank, said recess having greater axial dimensions than said projection to provide for axial movement of said collet into and out of gripping engagement with said socket while retaining said projection and said recess in interfitting relation, and said recess being relieved axially at one portion thereof to provide for separation of said collet and said spindle upon relative indexing thereof to a position of axial alignment of said projection with said relieved portion of said recess.

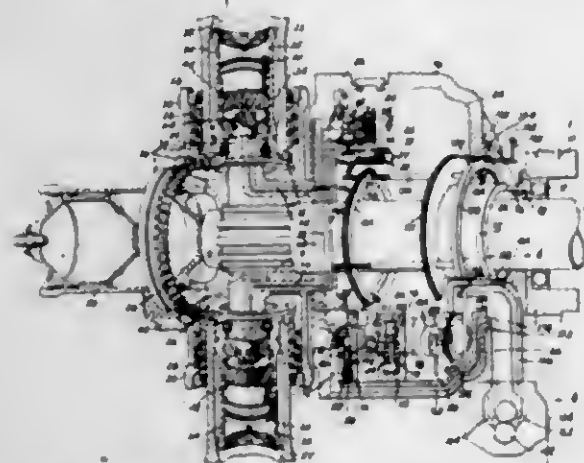
2,626,668

PROPELLER FEATHERING

Kenneth L. Berninger, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 8, 1948, Serial No. 19,722

10 Claims. (Cl. 170—160.21)



1. In a variable pitch propeller mechanism, a rotatable hub, blades mounted in the hub for rotation about their longitudinal axes to vary the pitch thereof, a hollow member connected to and rotatable with said hub, a fixed member disposed within said hollow member and about which said hollow member rotates, means operative upon relative rotation between said two members for developing a system source of fluid pressure, pitch changing means including fluid pressure actuated means and a fluid pressure circuit including said system source operatively connected with said blades and carried by the rotatable hub for rotating the blades about their longitudinal axes, valve means in said circuit between said system source and said pitch changing means for selectively controlling the application of fluid pressure to said pitch changing means to effect governed pitch and feathering pitch adjustment, an additional source of fluid pressure connectible with said system source to insure completion of pitch adjustment selected by the valve means, manually controlled means for selectively operating said additional source, and a flow control unit carried by said hub and having means exposed to the pressure of said system source for controlling the connection of the additional source and the system source.

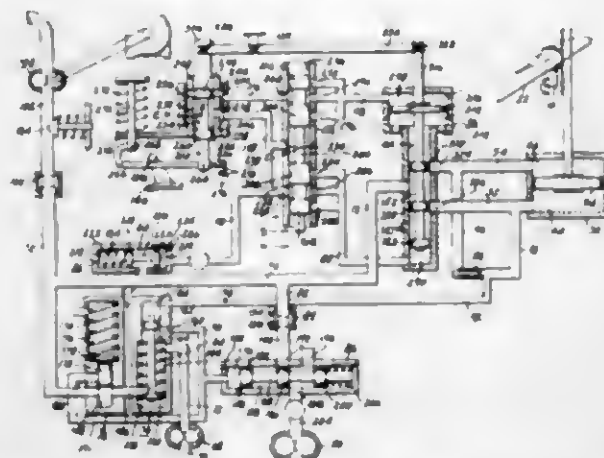
2,626,669

PROPELLER CONTROL

Richard E. Moore, Dayton, Ohio, and James F. Mack, El Monte, Calif., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 8, 1948, Serial No. 37,624

18 Claims. (Cl. 170—160.21)



1. A fluid pressure system for the control and adjustment of blade pitch of rotatable aircraft propellers in the feathering, governed positive, and negative pitch range, comprising in combination, fluid pressure motors carried by the propeller for adjusting the blades in either direction, means within the propeller and operable upon rotation thereof providing a source of fluid under pressure, passage means connected with the source providing a high pressure line, a distributor valve having a pressure port connected with said high pressure line and control ports adapted to direct fluid under pressure to the fluid pressure motors, a pressure reducing valve and passages tapped into the high pressure line to provide a low pressure line, a speed sensitive valve assembly having a pressure port connected with the low pressure line, fluid servo pistons and chambers having interruptable connections with the low pressure line for moving the distributor valve in opposite directions, a selector valve having pressure ports open to the low pressure line and control ports connected with the said servo chambers for controlling the application of low pressure to, and for selecting the interruptible connections to the said servo chambers, and means for moving the selector valve for pre-determining propeller operation in the feathering, governed positive, and negative pitch ranges.

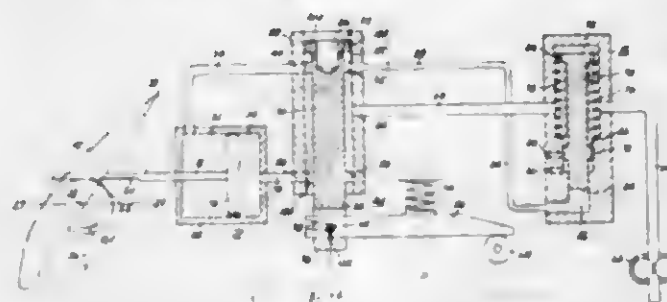
2,626,670

PROPELLER CONTROL

Richard E. Moore, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 8, 1945, Serial No. 621,004

22 Claims. (Cl. 170—160.21)



1. In a system of control for variable load devices having tendencies to shift to a lesser load

condition, the combination comprising, a double acting torque unit for adjusting the device in both increase and decrease load directions, a single source of torque-unit-operating-force, a governor having a centrifugally operated and yielding member for selectively distributing the operating force to one side or the other of the torque-unit in order to obtain load increase and load decrease, said member including means operable, when said governor is distributing force to assist the device in its tendency to shift to said one end of the load range, to retard that tendency of the device to shift.

19. A fluid pressure mechanism for controlling the rate of pitch change in a variable pitch aircraft propeller, comprising reversible acting pitch changing fluid pressure motors, a regulator rotatable with the propeller and including a fluid pressure source, a governor valve unit carried by the regulator and having a pair of control ports for distributing the fluid pressure to either side of the pitch changing motors in response to change in speed of regulator rotation for maintaining a substantially constant propeller speed, means in said unit for delaying the distribution to said control ports including a porting sleeve, a valve plunger, and a spring pressed lever articulated with the plunger, said articulation comprising a pivot pin carried by the valve plunger, and a slot in the lever disposed at an angle to the perpendicular of plunger movement so as to impart a camming action of the plunger against the side of the porting sleeve, and orifice means in said unit for limiting the rate of flow of fluid pressure from one of the control ports when the governor valve is distributing fluid pressure to the other control port.

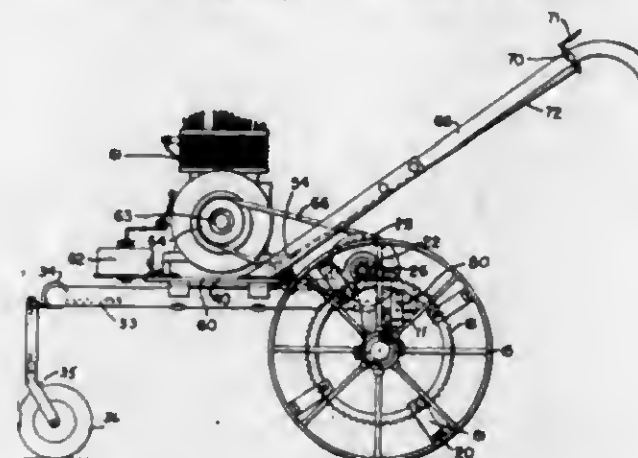
2,626,671

POWER STEERED GARDEN TRACTOR

Wilbur Glenn Hardy, Wapakoneta, and Melvin S. Burkholder, Beaverdam, Ohio

Application April 23, 1949, Serial No. 89,238

11 Claims. (Cl. 180—6.66)



11. In a garden tractor, the combination of a power drive and steering means for the wheels of said tractor comprising a horizontally extending frame, a slide mounted on said frame and horizontally movable therealong and having yieldable means associated therewith for urging the said slide into a fixed driving position, a rotatable mounting carried by said slide, power means, including driving double V belt pulley means supported on said rotatable mounting on each side of said power means, a fixedly positioned double V belt pulley adapted to be driven and to drive a wheel of said tractor secured adjacent each side of said frame and rearwardly on said slide, a fixedly positioned double V belt pulley adapted to be driven secured to each side of said frame

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forwardly of said slide, a power transmission belt drivingly connecting each pair of fixed pulleys on each side of said frame, power transmission belts connecting said driving double V belt pulleys of said power means with each of said double V belt pulleys on each side of said frame, each said belt connecting said power means and a said forwardly positioned pulley being crossed, and means secured to said slide to retract said slide rearwardly against the pressure of said yieldable means while rotating said power means.

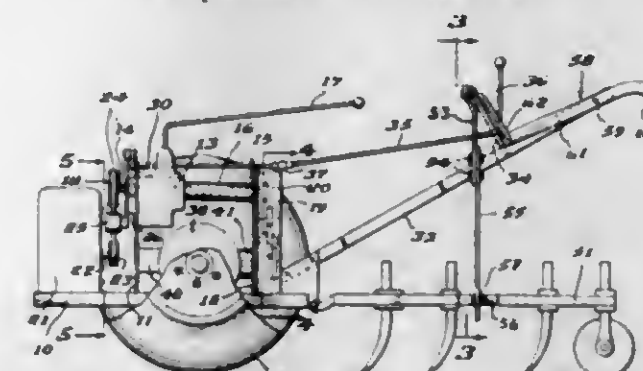
2,626,672

TWO-WHEELED TRACTOR

Arthur S. Leighton, Portland, Maine

Application September 27, 1947, Serial No. 776,481

4 Claims. (Cl. 180—19)



1. A two wheeled tractor comprising a frame, first and second longitudinally spaced, transverse partition members supported thereby in spaced relation to each other and to the ends of said frame and having aligned apertures throughout, a pair of upwardly extending arms secured to said frame rearwardly of said first member, a support connecting said arms and having an aperture therethrough, an engine supported by said frame forwardly of said second member and including a crank shaft, a differential gear unit supported between said members and including a pair of wheels and a propeller shaft, power transmission means supported by both of said members and connected to said propeller shaft and including a drive shaft extending forwardly of said second member and above said crank shaft, a belted connection between said crank and drive shafts and belt tightening means carried by said second member and including an operator control to render said means effective and ineffective, said means comprising a member rotatably mounted in the apertures of said partition members, a crank rotatably mounted in the aperture in said support, and a universal connection between said crank and said rotatable member.

2,626,673

ARRANGEMENT FOR THE SAFETY GROUNDING OF VEHICLES WITH ROTATING MASS DRIVE

Bjarne Storsand, Zurich, Switzerland, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland, a corporation of Switzerland

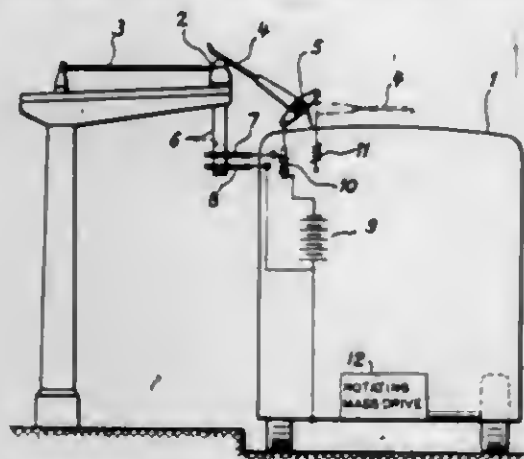
Application October 27, 1950, Serial No. 192,399

In Switzerland November 28, 1949

2 Claims. (Cl. 180—82)

2. In an automatic safety grounding mechanism for vehicles provided with a rotating mass drive, in which the rotating mass is revolved rapidly at stopping points by energy derived from a stationary current supply line; the combination of a plurality of stationary contacts rigidly arranged next to one another and connected to the current supply line; a plurality of movable

principal contacts connected to each other mechanically on the vehicle and adapted when rotated about a common axis to connect with corresponding ones of said fixed contacts; stationary ground contact means; a pair of poles mounted on the vehicle and adapted to engage said ground contact means; a control circuit including an electromagnet, a source of low tension current and said poles; which control circuit is completed, energizing said electromagnet, when said poles engage said stationary ground contact



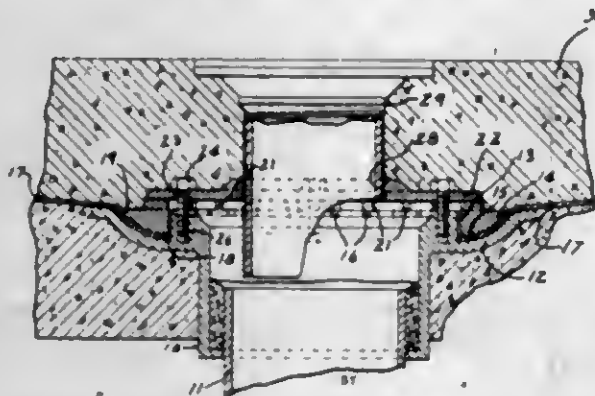
means; means including a spring normally holding said principal contacts away from said fixed contacts; and means mechanically connecting an armature of said electromagnet to said plurality of principal contacts so that when the electromagnet is energized as a result of said poles touching the ground contact, the force of said spring is overcome thereby and the principal contacts are swung into engagement with said stationary contacts, automatically grounding the vehicle and simultaneously connecting the rotating mass drive to the current supply line.

2,626,674

DRAINAGE FITTING

Lawrence N. Boosey, Talladega, Ala., assignor to Munro-Van Helms Company, a corporation of Alabama

Application January 23, 1950, Serial No. 140,074
4 Claims. (Cl. 182-31)



1. In a drainage fitting embodying a body portion with an annular recess around the upper end thereof and a lead seepage pan fitting about the body portion with one edge seated in the recess, a clamping ring fitting about the body portion in the recess over the seepage pan and bearing against the pan, said clamping ring having a substantially flat upper surface with a multiplicity of radially disposed drainage channels in the upper surface thereof, said body portion extending upwardly adjacent the clamping ring with at least a portion of its upper surface spaced substantially below the upper surface of the clamping ring to permit drainage from said drainage channels, a pressure plate having a

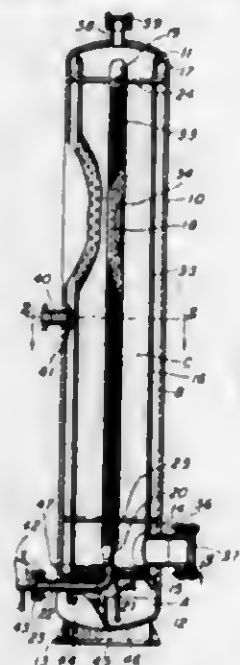
substantially flat bottom surface fitting over and bearing against the clamping ring, and clamping means cooperating with the pressure plate and the body portion for exerting pressure on the clamping ring.

2,626,675

SORBING TOWER

Joseph L. Maher, Tulsa, Okla., assignor to National Tank Company, Tulsa, Okla., a corporation of Nevada

Application December 2, 1949, Serial No. 130,830
4 Claims. (Cl. 183-4.0)



1. A sorbing tower including, an elongate vertical vessel, a foraminous shell extending longitudinally of the interior of the vessel and spaced therefrom to form an annular flow space within the vessel and between the shell and said vessel, a fluid stream inlet conductor connected into the side wall of the vessel and having an outlet into the flow space, said outlet being directed approximately circumferentially of said flow space, a foraminous partition extending across the lower portion of the vessel and defining a liquid accumulating space in the vessel therebelow, the shell and partition being constructed to receive and confine a bed of sorbant material in the space within said shell and above the partition, a flume extending interiorly of the shell and longitudinally thereof, the flume being foraminous in that portion thereof extending from a point spaced below the upper end of the vessel to a point spaced above the partition whereby sorbant material will enclose the entire foraminous portion of the flume, a fluid stream outlet conductor from the flume extending through the side wall of the vessel adjacent the lower end thereof, a branch conductor connected into the outlet conductor for supplying reactivating fluid to the bed of sorbant material, and a reactivating fluid outlet conductor extending exteriorly of the vessel from a point within and closely adjacent the bottom of the vessel.

2,626,676

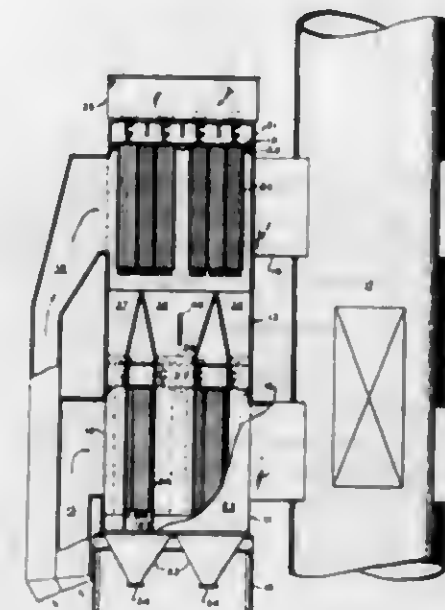
ELECTRICAL PRECIPITATION SYSTEM

Joseph Phyl, Fanwood, and Joseph W. Lenehan, Franklin Township, N. J., assignors to Research Corporation, New York, N. Y., a corporation of New York

Application April 11, 1951, Serial No. 220,470
4 Claims. (Cl. 183-7)

1. An electrical precipitation system for treating gases in at least two separate parallel gas

streams comprising a lower precipitation chamber, and an upper precipitation chamber superjacent to said lower precipitation chamber, means including complementary discharge and extended surface electrodes in said upper and lower precipitation chambers, horizontal gas inlet and outlet means for each of said precipitation chambers, first conduit means directing a portion of the gas to be cleaned to the gas inlet means of the lower precipitation chamber, second conduit means parallel to said first conduit means directing a



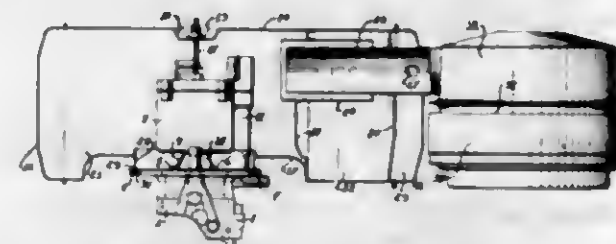
second portion of the gas to be cleaned to the gas inlet means of the upper precipitator chamber, a compartment intermediate said lower and upper precipitation chambers, a first dust collecting hopper positioned in said compartment and communicating with the upper precipitation chamber, a second dust collecting hopper positioned below said lower precipitation chamber and communicating therewith, and a dust chute extending between said first and second hoppers for conveying dust from said first to said second hopper.

2,626,677

AIR CLEANER, INTAKE SILENCER, AND CARBURETOR HOUSING ASSEMBLY

Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application February 28, 1950, Serial No. 146,815
6 Claims. (Cl. 183-15)



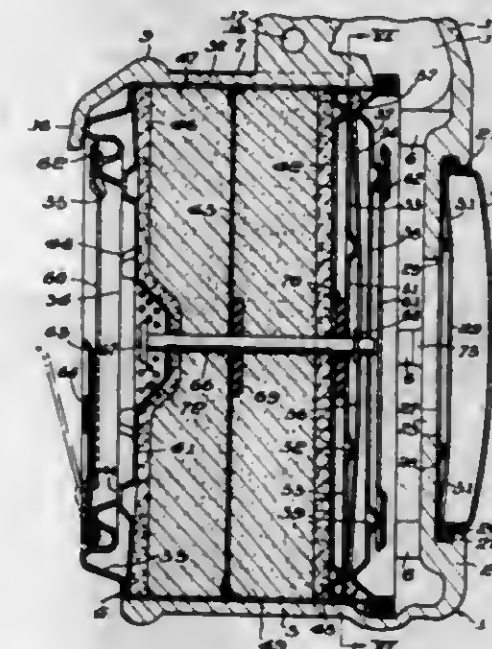
1. In an air cleaner and intake silencer assembly for association with a carburetor, a casing, transverse partition means in said casing dividing the same interiorly into a plurality of sound attenuating chambers, air cleaning means, an outlet conduit from said air cleaning means extending into said casing a predetermined distance and terminating in a free end to function as a tuning tube for one of said chambers, and said casing having an opening in the wall thereof directly into one of said chambers for the reception of a carburetor.

2,626,678

SEALED AIR-PURIFYING CANISTER

William P. Yant, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 11, 1951, Serial No. 241,461
10 Claims. (Cl. 183-44)



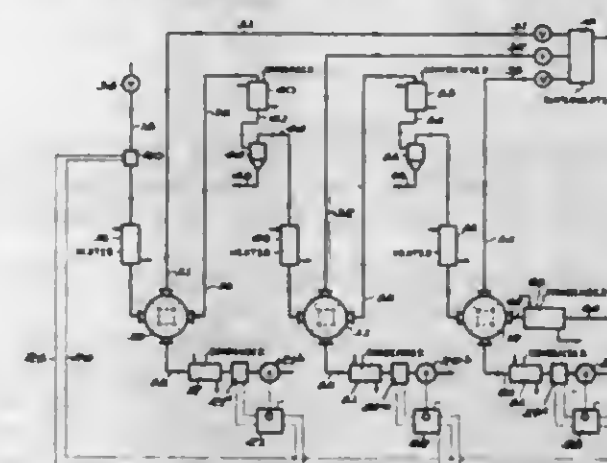
1. A sealed air-purifying canister for use in the cup-like body of a respirator where the inner end of the canister will be inaccessible, the canister comprising a can having axially spaced inlet and outlet openings surrounded by seats, an air-purifying unit mounted in the can, covers engaging said seats to close said openings, means for prying the inlet cover off its seat at the outer end of the canister, and a pin extending axially through the can and slidably mounted in said unit, the pin projecting from the outer end of said unit far enough to permit it to be pushed inward to push the outlet cover off its seat after the inlet cover has been removed, whereby both of said openings can be opened from the outer end of the canister.

2,626,679

DIFFUSION PROCESS

Earl V. Harlow, Beaver, Pa., assignor to Koppers Company, Inc., a corporation of Delaware

Application June 15, 1949, Serial No. 99,246
8 Claims. (Cl. 183-115)



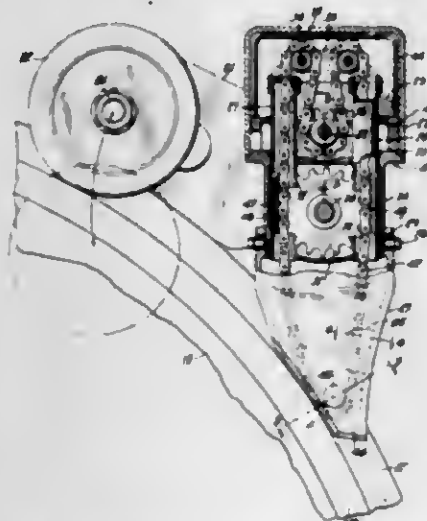
1. In a process wherein a feed gas flows past a face of a foraminous boundary within a separation zone and a relatively non-condensable component of said feed gas preferentially diffuses through said foraminous boundary and wherein the opposite face of said boundary is swept by an inert relatively condensable sweep

gas, a portion of which diffuses into the feed gas, said feed gas and said sweep gas being at a temperature above the condensation point of the latter, the steps which comprise condensing sweep gas from an effluent gas discharged from the separation zone by reducing its temperature by indirect heat exchange to below the condensation point of the sweep gas, measuring the ratio of the flows of fresh feed gas and said effluent gas from the separation zone substantially free of sweep gas, and controlling the flow of said effluent gas at a fixed proportion of the flow of fresh feed gas to the separation zone in response to said ratio of flows.

2,626,680

LUBRICATOR FOR WHEEL FLANGES

William E. Burrell, Portland, Oreg.
Application April 27, 1951, Serial No. 223,313
5 Claims. (Cl. 184-3)



1. A flange lubricator comprising a reservoir, a pair of parallel tubes projecting through and above and below the bottom of said reservoir, a driving sprocket wheel mounted under said reservoir extending into said tubes, a loading sprocket wheel in said reservoir between said tubes, rollers above said tubes between said loading sprocket and adjacent tube, a shoe depending from said reservoir having a stud at its lower end, an endless block chain passing around said stud, through said tubes in mesh with said driving sprocket, thence over said rollers and around said loading sprocket wheel, means for driving said chain and means for varying the speed of said chain with relation to the rim speed of the wheel on which it is used.

2,626,681

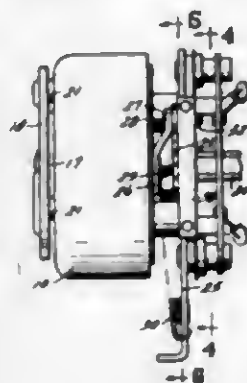
ELECTROMAGNETIC POWER MECHANISM

George H. Leland, Dayton, Ohio, assignor to G. H. Leland, Inc., Dayton, Ohio, a corporation of Ohio

Application May 18, 1948, Serial No. 27,796
7 Claims. (Cl. 185-40)

1. In an electromagnetic mechanism, an electromagnet, an axially movable armature for said magnet, means controlled by the axial movement of said armature for imparting rotary movement thereto, a shaft connected with said armature for rotation therewith, a ratchet wheel supported independently of said shaft for rotation about the axis of the latter, a driving member connected with said shaft for rotation therewith, a pawl for said ratchet wheel carried by said member and movable thereby in a reverse direction with relation to said ratchet wheel when said shaft is rotated by said armature, a spring connected

with said member to move said pawl in a direction to rotate said ratchet wheel and adapted to be placed under tension by the movement of said

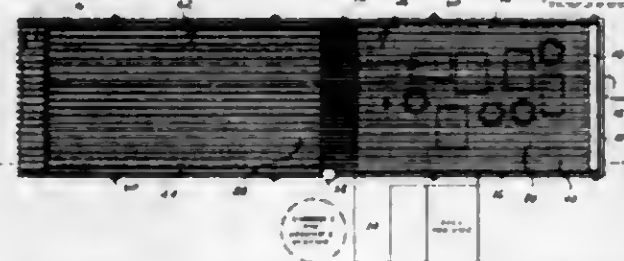


member by said armature, and means controlled by said shaft to deenergize said magnet while said spring is under tension and thus release said member for movement by said spring.

2,626,682

CHECK OUT COUNTER

George A. Just, Scarsdale, N. Y., assignor to The Grand Union Company, New York, N. Y., a corporation of Delaware
Application June 23, 1950, Serial No. 169,823
16 Claims. (Cl. 186-1)



1. A check-out counter comprising, in combination, a stationary counter frame, a pair of cooperative and relatively extensible tables mounted for longitudinal travel on said frame, each of said tables having a plurality of spaced support members arranged in parallel relation with and slidably interfittng with the corresponding members of the other table, means on said tables for moving them to extended and retracted positions, and means carried by said frame cooperative with one of the tables for automatically lowering the article supporting surface of the said table when in extended position and for automatically raising said surface when in retracted position.

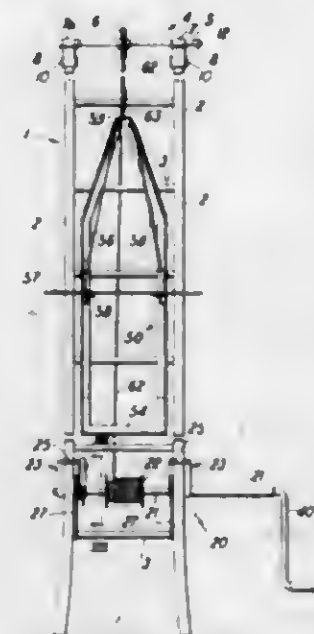
2,626,683

MATERIAL ELEVATOR ATTACHMENT FOR LADDERS

George Eppink, Tallmadge Township, Ottawa County, Mich.
Application July 10, 1950, Serial No. 172,892
7 Claims. (Cl. 187-10)

7. In a materials elevator attachable to a ladder having an upper end and a lower end and a pair of spaced rails, a plurality of rungs mounted to and extending between said rails, the combination comprising: a winch including a drum; a pair of bracket elements for detachably mounting said winch to said ladder adjacent the lower end of said ladder, one of said bracket elements fixedly spaced from said drum, the other of said bracket elements variably spaceable from said drum; a pulley assembly, including a shaft and

a pulley element mounted thereon; a pair of cap members mounted on said shaft, each of said cap members defining an internal chamber for receiving the upper end of one of said rails; one of said cap members fixedly spaced from said pulley element, the other of said cap members variably spaced from said pulley element; said pulley element and said drum aligned longitudinally

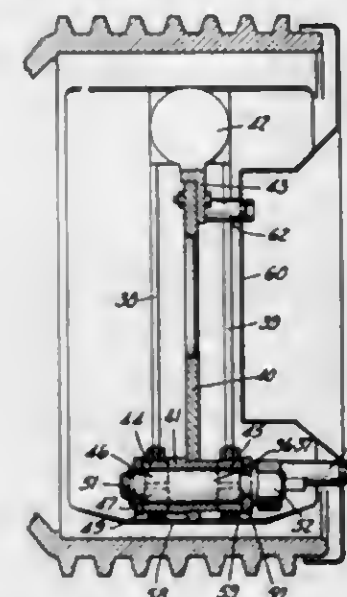


nally of said ladder; a carriage slidably seated on said rungs between said rails; a flexible member attached to the upper end of said carriage and to said winch and seated over said pulley assembly whereby rotation of said winch in one direction will cause said flexible member to move said carriage up said ladder and rotation in the opposite direction will permit said carriage to move down said ladder.

2,626,684

BRAKE

Léon Nicolas Lauer, Clichy, France, assignor to Bendix Aviation Corporation, New York, N. Y.
Application July 5, 1945, Serial No. 603,391
In France January 14, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 14, 1963
19 Claims. (Cl. 188-78)

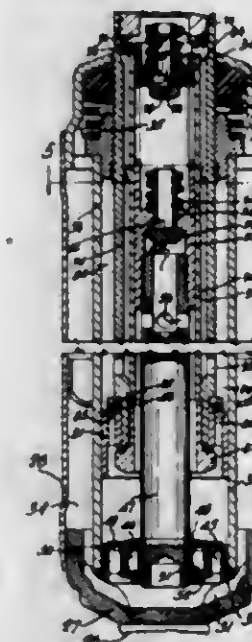


1. A brake comprising a drum, a friction means, a fixed support located in the median plane of the friction means, a sleeve secured to the support, and an anchor pin cooperating with the friction means and located in the sleeve.

2,626,685

SHOCK ABSORBER

George A. Brundrett, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 14, 1950, Serial No. 190,083
9 Claims. (Cl. 188-88)

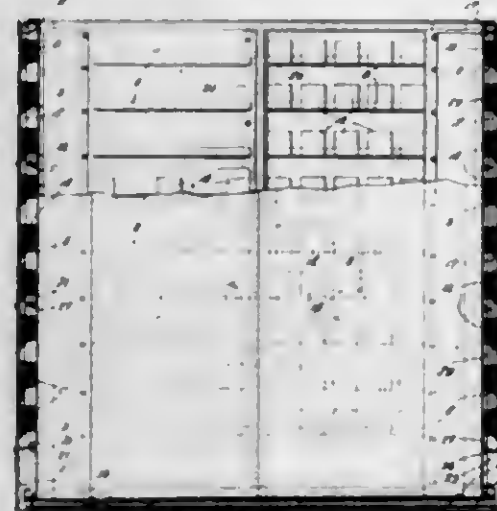


2. A double acting hydraulic shock absorber of the direct acting type adapted to control the approaching and separating movements of two relatively movable members between which the shock absorber is connected, comprising in combination, a fluid reservoir; relatively movable cylinders and pistons providing a plurality of fluid displacement chambers, above and below said pistons, the two chambers beneath the pistons being in constant communication and communicable with the fluid reservoir; five fluid flow control valves in the shock absorber, the first being interposed between the chambers at opposite sides of the first piston, the second valve between the chambers at opposite sides of the second piston, both valves being concurrently operative by actuation of the shock absorber as the two relatively movable members approach each other, the first valve being operative to establish a shock absorber movement resisting fluid flow from the chamber above the first piston into the chamber beneath it, the second valve operative to establish a fluid flow from the chamber beneath the second piston into the chamber above it, the third valve, interposed between the chambers beneath both pistons and the reservoir being operative at a fluid pressure higher than that necessary to open the second valve, for establishing a fluid flow into the reservoir as the shock absorber is actuated by the approaching movement of the two relatively movable members, the fourth valve, interposed between the two chambers above the two pistons, being operative in response to fluid pressure in the chamber above the second piston, as the shock absorber is actuated by the separation of the two relatively movable members, to establish a shock absorber movement resisting flow from the chamber above the second piston into the chamber above the first piston, a fluid leak from said last mentioned chamber being established by the first valve due to the smaller fluid capacity of the chamber above the first piston, the fifth valve provided between the chambers beneath both pistons and the reservoir being operative in response to the shock absorber actuation by the separating movable members, to establish a flow from the reservoir into the two chambers beneath the pistons.

2,626,686

CELL CONSTRUCTION

Jesse E. Creech, Jacksonville, Fla.
Application February 20, 1948, Serial No. 9,705
5 Claims. (Cl. 189-5)

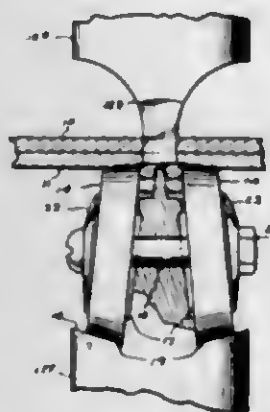


1. A wall construction for a cell, the improvement comprising outer rigid front, rear and side walls, said walls having mounted on the inner surfaces thereof a plurality of vertically spaced angle members having inwardly positioned supporting shelves, sheets of sound absorbing material having one face flush with the inner surfaces of the outer walls and lying between the angle members, said sound absorbing sheets having openings cut therein, rubber blocks of a thickness exceeding that of the sound absorbing sheet fitted within the recesses and supported by the shelves of the angle members, the rear surfaces of the rubber blocks in contact with the inner surfaces of the rigid walls, and movably mounted panels horizontally spaced from the rigid walls to provide a resiliently mounted inner wall for the cell, the inner surfaces of the inner wall lying in contact with the outer surfaces of the rubber blocks.

2,626,687

CLEFT FASTENER FOR UNITING MATERIALS AND METHOD OF FORMING THE SAME

Ivan A. Williams, Portland, Oreg.
Application May 23, 1949, Serial No. 94,788
10 Claims. (Cl. 189-36)



9. A fastener for uniting overlying pieces of material which comprises integral portions of the pieces defined by a pair of substantially parallel spaced incisions through the pieces and displaced so that the incised portion of one of the pieces lies beyond the outer surface of the other of the pieces, the displaced portion of said one of the pieces being formed in two sections

spread apart laterally from each other and retaining substantially their original thickness at their outer margins, the outer margins of said sections underlying and engaging the outer surface of said other of the pieces, thereby locking the pieces tightly together.

2,626,688

ADJUSTABLE JOIST

Alexander S. T. Lagaard, Minneapolis, Minn., assignor to Richard F. Tickle, Minneapolis, Minn.
Application January 5, 1950, Serial No. 136,905
9 Claims. (Cl. 189-37)



1. In an adjustable joist, a first joist section and a second joist section disposed end to end, each comprising upper and lower chords and diagonal truss members therebetween, connections for adjustably connecting the lower chords of the sections together, spaced abutments formed on the upper chords of the sections, said abutments facing one another, spacers between said abutments and reacting against said abutments, certain of said spacers having smooth contacting surfaces situated angularly relative to the direction of extent of the upper chords and adapted upon movement of one of said spacers in the direction of extent of said surfaces to vary the spacing of said abutments while the joist is in erected position and clamping means for holding the spacers in adjusted position.

2,626,689

TRAVEL BAG

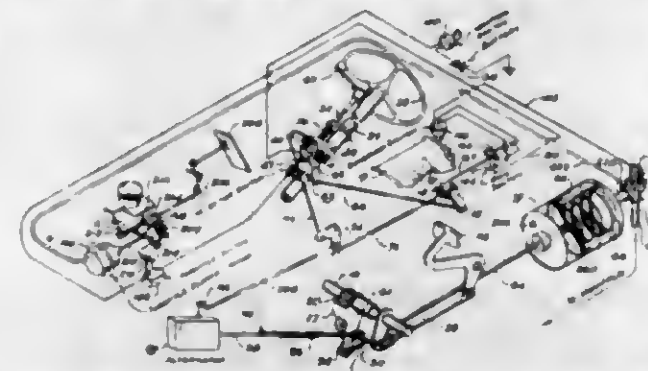
Michael Davis, Brooklyn, N. Y., and William Jindela, Union City, N. J., assignors to Protex Products Company, Inc., Jersey City, N. J., a corporation of New Jersey
Application July 28, 1950, Serial No. 176,436
14 Claims. (Cl. 190-43)



1. A travel bag comprising a back wall, and a front wall stitched thereto and formed with an opening, a transverse stiffener within the upper end of the garment bag, means to mount said stiffener within the bag, and a loop depending from the middle of said stiffener on which to hang garment hangers, a loop projecting through said bag and supported by the stiffener, for suspending the garment bag from a support, a second transverse stiffener within the bag and at the inner side of the back wall, and a handle on said second stiffener and passing through openings in the back wall for carrying the bag as a piece of luggage and a strap attached to the outer ends of the second stiffener to keep the garments within the bag against the back wall of the bag and to support the garments when the bag is folded and carried by the handle on the second stiffener.

2,626,690

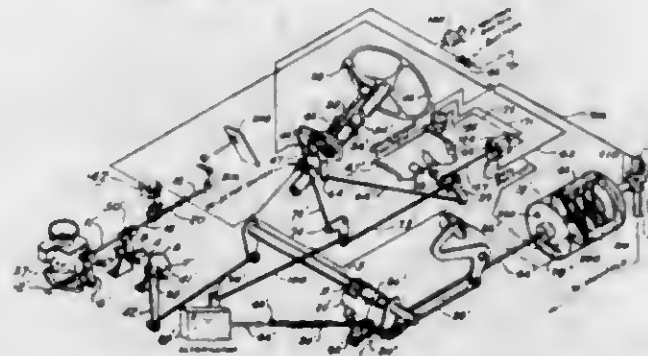
TRANSMISSION OPERATING MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 19, 1946, Serial No. 642,240
15 Claims. (Cl. 192-073)



1. In an automotive vehicle provided with a three speeds forward and reverse transmission, a friction clutch, an accelerator, a clutch pedal, a steering column, a gear shift lever and a vehicle speed responsive governor; manually and power operated means for operating the clutch and transmission comprising two cranks extending from the casing of the transmission, one of said cranks serving to operate mechanism within the transmission which selects one or the other of two shift rails of the transmission and the other of said cranks serving to operate mechanism within the transmission which moves the selected rail to either neutralize the transmission or establish the same in any one of its four settings, force transmitting means, including a shift lever controlled clutch mechanism mounted at the base of the steering column, interconnecting the gear shift lever with the two cranks, and power means, supplementing the operation of the aforementioned force transmitting means, and operative to effect a power operation of the clutch and an operation of the last mentioned crank to alternately establish the transmission in either its second gear setting or its high gear setting, said power means including an accelerator operated switch mechanism and a governor operated switch mechanism.

2,626,691

POWER PLANT CONTROL MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 19, 1946, Serial No. 697,877
10 Claims. (Cl. 192-073)



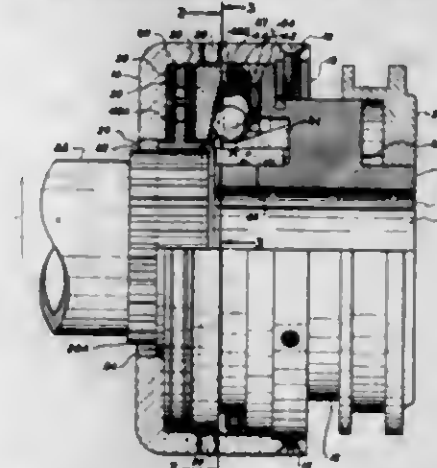
1. In an automotive vehicle provided with a friction clutch, a throttle, a change speed transmission and an accelerator; force transmitting means interconnecting the accelerator and throttle, power means, including a pressure differential operated motor, for operating the transmission and for disengaging and controlling the engagement of the clutch, means, including accelerator operated means, for controlling the operation of

said motor, and stop means actuated by the force transmitting means and by the motor and operative to control the degree of opening of the throttle as the clutch is being engaged.

2,626,692

CLUTCH

Lon Sloan, South Pasadena, Calif.
Application March 18, 1950, Serial No. 150,406
8 Claims. (Cl. 192-93)



1. A clutch comprising a body adapted to be rotated by driving means, a friction plate housed within the body in rotatable relationship and adapted to be connected to power take-off means, an annular pressure plate mounted concentrically around the body and having a flat face engaging the friction plate, the opposite face of the pressure plate being beveled inwardly and having a plurality of symmetrically spaced concave substantially radial grooves, an annular thrust ring mounted around the body and having a plurality of inclined ramps formed on its outer circumference inclining from the leading edge of the ring away from the longitudinal axis of the body, and a separate concave channel extending circumferentially from each side of each ramp, an annular ball cage mounted concentrically adjacent the pressure plate and having a plurality of pockets therein, the pressure plate, thrust ring and ball cage being so oriented when the clutch is disengaged that each groove in the pressure plate is aligned with a ramp on the thrust ring and a pocket in the cage, a separate spherical ball resting on each of said ramps and projecting into an aligned radial groove in the pressure plate and into an aligned pocket in the ball cage, and a shifter sleeve axially slidable on said body and connected to said thrust ring so that displacement of the sleeve will result in like displacement of the ring.

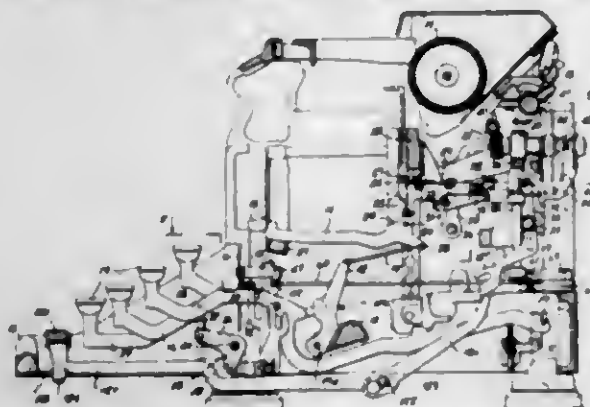
2,626,693

SPACE CONTROLLING MECHANISM FOR MULTIPITCH ESCAPEMENT TYPEWRITERS

Otto C. W. Henze, New York, and Joseph Lee Sweeney, Jackson Heights, N. Y.; said Henze assignor to said Sweeney
Application August 11, 1950, Serial No. 178,797
8 Claims. (Cl. 197-84)

1. In a typewriter having a platen carriage and platen the combination of a plurality of type-carrying members, a plurality of type bodies of differing width, each mounted on one of said type-carrying members and each positioned to print its initial edge at the same point as the others, an escapement mechanism for said carriage and platen comprising a rotatable control disk, means connecting said disk to said carriage for rotation on movement of said carriage, a ball

clutch acting on the face of said disk and fixed with reference to the axis of said disk, a ball clutch mounted for swinging movement about the axis of said disk and operable to clutch and hold said control disk at any point during the arc of its movement, a first adjustable stop for controlling movement of said movable clutch in one direction and a second adjustable stop for controlling movement of said movable clutch in the other direction, clutch operating means for operating said clutches in such sequence that the fixed clutch locks the disk against movement in one direction while the second clutch moves circumferentially of the disk and thereafter the first clutch releases the disk and the second clutch engages and travels with it until the second clutch abuts one of said stops, means for

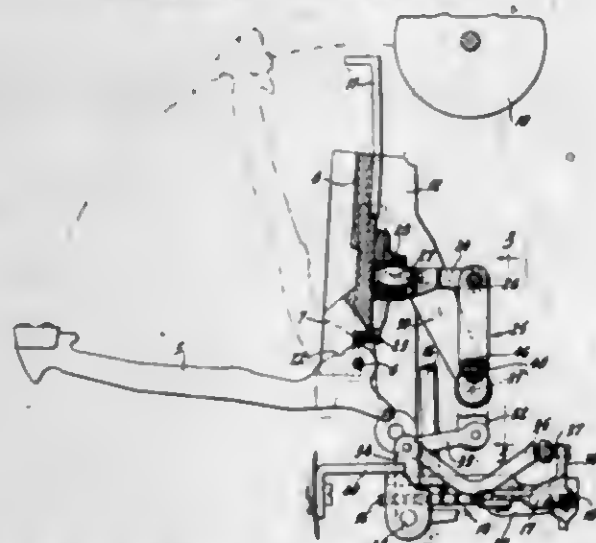


actuating said clutch operating means connected for operation with said type-carrying members, first adjusting means for adjusting the position of said first stop, second adjusting means for adjusting the position of said second stop, a plurality of actuating connectors, each connected to a single type-carrying member and to said second adjusting means, each being adapted to actuate said second adjusting means to vary the position of said second adjustable stop to a position to limit the release of said carriage by said escapement mechanism to a distance corresponding to the width of the type body carried by the corresponding type-carrying member, and means for actuating each type-carrying member and its actuating connector and said second adjusting means substantially simultaneously.

2,626,694

LETTER-FEED MECHANISM FOR TYPEWRITERS AND LIKE MACHINES

William F. Helmond, Clinton, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application June 29, 1950, Serial No. 171,094
5 Claims. (Cl. 197-97)

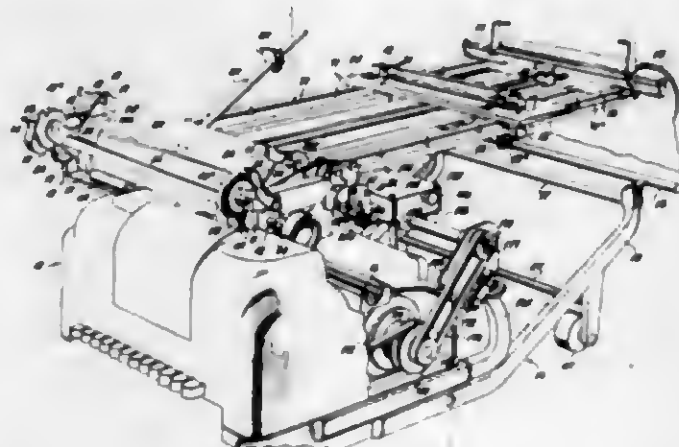


1. In a typewriting or like machine, an elongate universal bar operable by the type-bars of

the machine, a universal-bar-operated mechanism, and an operating train between the universal bar and the bar-operated mechanism, said operating train comprising a rockable ball frame connected to the universal bar at two points on the ball frame spaced lengthwise of said bar and connected at a third point with the bar-operated mechanism, said ball frame including two complementary frame sections, and means adjustably connecting said frame sections to afford adjustment of at least one of the two universal-bar-connected points toward or from the universal bar and toward or from the rocking axis of said frame.

2,626,695

CARBON SHEET RETRACTOR MECHANISM
Charles Schroder, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application March 9, 1950, Serial No. 148,675
22 Claims. (Cl. 197-126)



1. In a writing machine having a carriage movable on a frame in letter-feed and return directions, and having a platen on the carriage relatively to which carbon sheets on the carriage are advanceable and retractable; power-retracting means for said carbon sheets, comprising, a motor-operable cable winding drum supported on said frame, and means operable by said frame-supported drum in any position of the carriage to effect carbon sheet retraction, said last means including a draw-cable windable on said frame-supported drum for carbon sheet retraction.

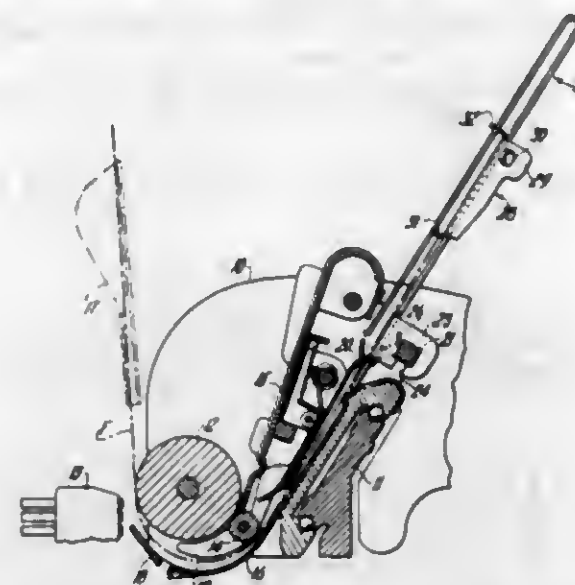
2,626,696

FRONT FEED PAPER GAUGE

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1950, Serial No. 148,798
4 Claims. (Cl. 197-140)

1. A record making machine including a carriage, a platen in said carriage and members on said carriage to direct a front inserted work sheet about said platen, a flat sided bar on said carriage, and a paper stop mounted on said bar to receive and arrest the leading edge of said sheet, said paper stop comprising a U-shaped strip, projections near one end of said strip to engage said bar and retain said stop in a predetermined orientation, means on said strip to frictionally engage said bar and restrain said strip against lateral movement on said bar, a stop member positioned on one of the legs of said strip and

obstructing the space between said legs to engage said edge of said front inserted sheet and fric-

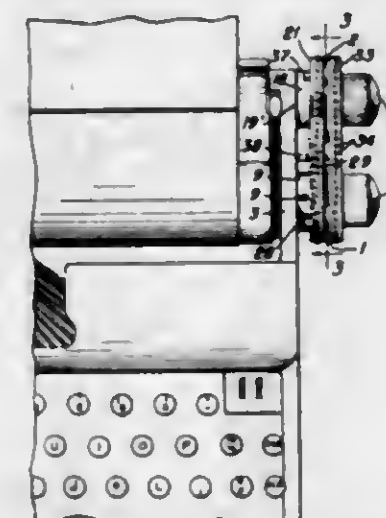


tional means to retain said stop member in any adjusted position.

2,626,697

LINE NUMBER AND PAGE END MARGIN INDICATOR FOR TYPEWRITERS

Peryl S. Wamsley, Athens, Ohio
Application August 29, 1951, Serial No. 244,121
4 Claims. (Cl. 197-189)



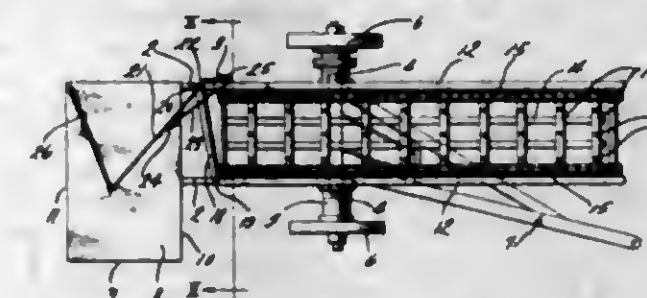
1. The combination with a typewriter having a carriage and a platen shaft, of a line numbering and page end margin indicating device comprising a tape having line number indicating symbols spaced along the same in correspondence with line spacing increments of movement of the platen shaft, a pair of tape unwinding and rewinding disks to which opposite ends of the tape are attached for unwinding of the tape from each disk onto the other, means to rotatably attach one disk to said shaft, a ratchet and pawl drive for rotating said one disk in one direction upon line spacing rotation of said shaft and providing for reverse rotation of said one disk relative to said shaft, means to rotatably attach the other disk to said carriage, an endless belt trained around said disks whereby rotation of said first named disk in said one direction will rotate the other disk to wind up the tape unwound from the first named disk, said other disk being manually rotatable to reverse the same and through said belt reverse the first named disk to rewind the tape off said other disk onto the first named disk.

666 O. G.-67

2,626,698

DISCHARGE ARRANGEMENT FOR AGRICULTURAL LOADING MACHINES

Everett H. Appel, Aurora, Ill.
Application June 17, 1947, Serial No. 755,089
2 Claims. (Cl. 198-65)

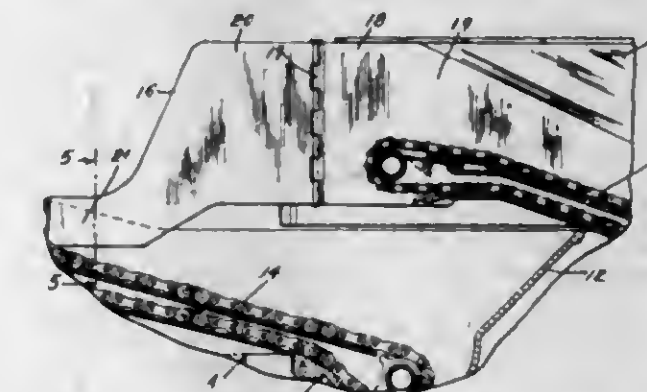


2. In an agricultural loading machine, an inclined loading trough, elevating means to carry loads up said trough, a discharge platform adjacent the top of said trough arranged to discharge a load from the side thereof, a vertical gate hinged at one side of said platform, spring means tending to pull said gate forwardly toward said trough, and limiting means to stop the forward swing of said gate at an oblique position relatively to said platform, said spring means yielding moderately to a single load delivered on the platform by said elevating means but yielding sufficiently to a double load to permit the discharge of one load rearwardly off the platform to avoid jamming.

2,626,699

CONVEYER MECHANISM

Theodore J. Bailey, Reno, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1949, Serial No. 85,857
5 Claims. (Cl. 198-96)

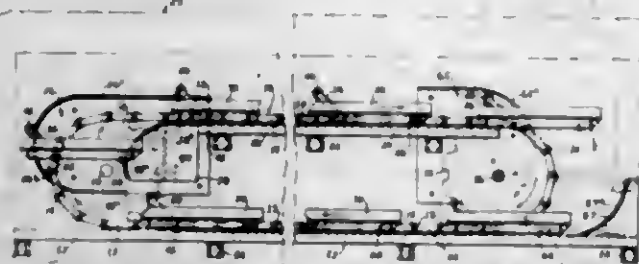


1. A conveyor mechanism comprising, in combination, a front conveyor mounted to swing horizontally about a vertical axis and to move rectilinearly in a direction radially of said axis, a hopper mounted beneath the discharge end of said front conveyor and relative to which said front conveyor has horizontal swinging and rectilinear movements as aforesaid, said hopper having a circular frame provided with spaced vertical rearward side frame portions, said front conveyor having spaced vertical side frames at their rear ends overlying said hopper, a rear conveyor extending forwardly between said vertical side frame portions of said hopper frame with its receiving end terminating within said hopper for removing the material discharged into said hopper from said front conveyor rearwardly from said hopper, upright deflector wings pivotally connected at their front ends to the rear ends of said side frames of said front conveyor to swing horizontally about parallel vertical axes and extending rearwardly above said hopper be-

tween the vertical sides of said conveyor and hopper frames for directing the material discharged from said front conveyor downwardly into said hopper irrespective of the horizontally swiveled or the rectilinear position of said front conveyor relative to said hopper, said deflector wings having rearward portions extending between and guided by said rearward side frame portions of said hopper frame, above said rearward side frame portions of said hopper frame, said deflector wings engaging said inner walls in the different angular positions of said front conveyor about said vertical axis, said wings also moving bodily with said front conveyor and slidably engaging said inner walls during said rectilinear movement of said front conveyor relative to said hopper.

2,626,700

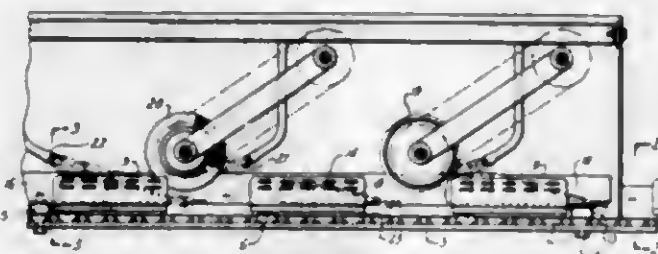
OVEN CONVEYER HAVING GUIDED TRAYS
William P. Schonwald, West Haven, Conn., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application December 4, 1947, Serial No. 789,585
3 Claims. (Cl. 198-138)



1. An endless conveyor suitable for use in an oven comprising a pair of endless conveyor chains, sets of sprockets over which said chains are guided, said chains having horizontal runs between said sprockets, a series of trays, a trunnion at each end of said trays pivotally mounted in said chains, the trunnions of each tray being aligned with each other and located at one side of the central longitudinal axis of each tray, a pair of guide rollers rotatably mounted on the end of each tray at the other side of the central longitudinal axis thereof and positioned between the tray and the chain, horizontal tracks extending along the horizontal runs of one of said chains and arranged to underlie and engage said guide rollers while the trays are moved along the horizontal runs of said chains whereby said rollers will be maintained in engagement with said tracks by the weight of said trays, a stabilizing member connected to one of the trunnions of each tray and a stationary guide adjacent one end of said horizontal tracks and having a track of a predetermined shape adapted to engage the stabilizing members of successive trays while the guide rollers thereof engage one of said tracks and then guide the stabilizing members in a predetermined path to maintain the trays in a horizontal position as they are moved in an arcuate path part of the way around the adjoining sprockets whereby the stabilizing members will be maintained in engagement with the track of said stationary guide by the weight of said tray after the guide rollers thereof ride off said horizontal track, and a pair of secondary guides having tracks of predetermined shape to engage and support the guide rollers on each tray during the remainder of the path around the sprocket and thereby maintain the trays in a horizontal position.

2,626,701
CONVEYER APPARATUS FOR EVISCERATING SHRIMP

Albert J. Avetta and Theodore Scardamaglia, Pittsburgh, Pa.
Application August 1, 1950, Serial No. 177,018
3 Claims. (Cl. 198-179)

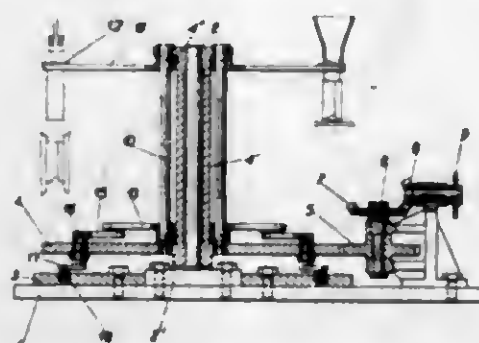


1. In a device for mechanically deveining shrimp, gripping and conveying means comprising a link conveyor having spring gripping means mounted in axially spaced relation thereon for successively moving the shrimp bodies into and through the deveining mechanism, said spring gripping means comprising a plurality of metal jaws forming a mouth for receiving the shrimp body and terminating in loops to provide a resilient mount for the gripping members, one end of said gripping means being secured to a pair of said conveyor links and the other end having a stool resting upon the conveyor.

2,626,702

DEVICE FOR PACKING FIBROUS MASSES
Jifi Bašus, Prague, Czechoslovakia, assignor to Skoda Works, National Corporation, Plzen, Czechoslovakia

Application January 28, 1948, Serial No. 4,893
In Germany September 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 17, 1962
3 Claims. (Cl. 198-209)



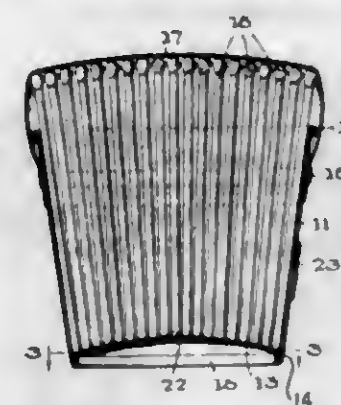
1. In a device of the type described for handling bulky or fibrous material such as tea, tobacco or the like, or articles such as cigarettes, the combination comprising a machine base, a vertical journal mounted upon said base, a driving member rotatably mounted upon said vertical journal, driving means to impart a uniform rotation to said driving member; a plurality of vertical spindles equidistantly spaced in a circle around said journal and journaled in the driving member; a plurality of essentially radially extending supporting arms, each arm being connected to the upper part of one of said spindles; a plurality of sleeves to receive the material or articles to be handled, each sleeve being attached to the outer end of one of said supporting arms; and means to partially turn said spindles in intervals contrary to the rotation of said driving member so as to counteract the latter's effect upon said supporting arms and the sleeves connected thereto and thus to stop temporarily the rotating movement of the

sleeves around said vertical journal while the material or articles are handled by and in the sleeves.

2,626,703

MATCH PACKAGE

Harry G. Watson, Sr., Alpine, Tex.
Application October 27, 1949, Serial No. 123,829
4 Claims. (Cl. 206-29)

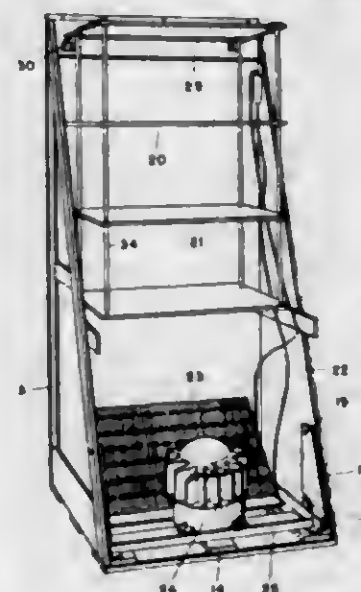


1. A match package comprising a frusto-conical hollow container of paper-like material having a paper-like disk closing its smaller end to form a bottom, said bottom disk having its upper surface of convex shape sloping upwardly into the container from the side walls thereof, the said upper surface being roughened to engage the ends of matches and prevent them from slipping across the bottom of the container.

2,626,704

SHIPPING CONTAINER FOR REFRIGERATION SYSTEMS

Donald L. Baker, Marietta, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 9, 1949, Serial No. 98,148
7 Claims. (Cl. 206-46)



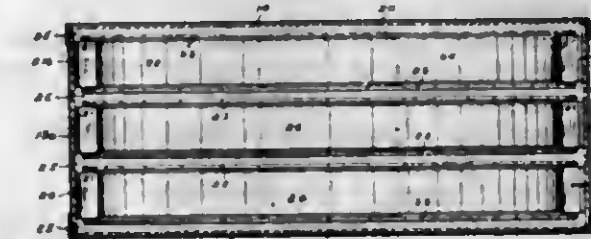
1. In combination, a shipping container, a refrigeration system removably supported in said container, said refrigeration system including an evaporator connected by tubing to a condenser, and a motor-compressor unit mounted on a base having flanges to permit the base to be secured in place in a refrigerator cabinet, said container including a first section of triangular contour in side elevation, a member in said section supporting the evaporator, fastening means engaging a portion of the evaporator to hold the evaporator in place on said member, a member in the bottom of said section supporting the unit, spaced rear members in the bottom of the section hav-

ing notches therein in which flanges of said base are disposed, said members having protruding portions fitting over said flanges, pivotable front securing members in the bottom of said section fitting over other flanges of said base, and a second similar section complementing the first section to complete the container.

2,626,705

FILM SHIPPING CASE

John J. Ash, Santa Monica, Calif.
Application March 4, 1950, Serial No. 147,686
5 Claims. (Cl. 206-52)



5. In a motion picture film reel and case of the class wherein a reel has two substantially parallel circular flanges supported by and extending radially outward from a hub, said flanges being spaced apart to receive a film of predetermined width, the case having two substantially parallel end walls of greater perimeter than said reel, a plurality of sides connected with and spacing said end walls, said case being divided adjacent a diameter of said reel into upper and lower sections, and means separately joining said sections; the combination with said case of a plurality of spring strips mounted one on the interior face of each of said sides and projecting along its associated side, each of said spring strips being of half-elliptical configuration convex inwardly to engage the periphery of a film wound on said reel, said spring strips being of a width less than the separation of said flanges of said reel but greater than the predetermined width of the film, each of said spring strips being attached to a side on one end and having a distance from end to end of said spring less than the length of the associated side, whereby said flanges form a bridge between said hub and the unyielding dimension of said springs when said reel is placed in said case, and whereby said spring strips resiliently mount the reel in spaced relation to said side and end walls.

2,626,706

PROCESS FOR THE EXTRACTION OF PECTIN FROM SUGAR BEET PULP

Alfred E. Bishop, Dayton, Ohio, assignor to Superior Sugar Refining Company, Menominee, Mich., a corporation of Michigan
Application July 14, 1949, Serial No. 104,695
4 Claims. (Cl. 260-209.5)

1. In a method of recovering pectin from sugar beet pulp the steps of removing wax and gum by use of a mixed solvent of alcohol-benzene in a reflux type of extractor; digesting the pulp in water by first using a mild alkaline solution at a temperature of 65° to 80° F. and then using a weak acid solution heated to 180° to 190° for approximately one and one half hours to dissolve pectin from the sugar beet fibers; filtering the resultant mass with a centrifuge and separating the mixture while hot and washing the residue with hot water; evaporating the weak aqueous solution of pectin in a vacuum type of evaporator and removing water at a temperature not exceeding 190° F.; precipitating pectin by transferring aque-

ous concentrate to a tank while it is at a temperature between 140° and 150° F. and diluting it with approximately two volumes of alcohol to precipitate the pectin as a white flocculant precipitate; and separating by centrifuge the water and alcohol from the pectin and washing the pectin; and drying and grinding the pectin by first heating from 140° to 150° F., grading it and screening to size to produce a stable product unaffected by moisture absorption or fermentation.

2,626,707

CLASSIFICATION OF CALCINED CONDITIONED TITANIUM DIOXIDE PIGMENT SLURRIES

Walter R. Whately, Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 3, 1951,

Serial No. 219,117

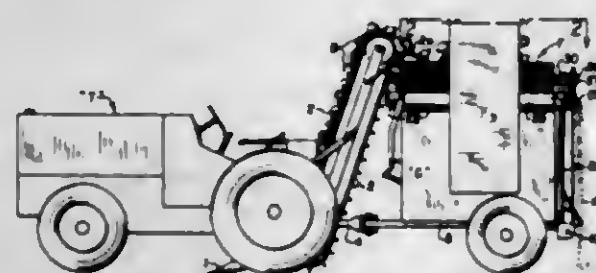
3 Claims. (Cl. 209—5)

1. A method of separating +4 micron particles of sintered titanium dioxide from a highly flocculated, calcined, conditioned, rutile titanium dioxide pigment formed by calcination of titania hydrate in the presence of about 1% of a member of the group consisting of zinc oxide and tin oxide, which comprises forming a mobile aqueous slurry from said titanium dioxide and an aqueous alkali metal silicate solution, the alkali metal silicate content of said slurry, calculated as SiO_2 , being more than 0.1% and less than 1.0% of the weight of the titanium dioxide in said slurry, agitating said slurry to liberate said +4 micron particles, and subjecting said slurry to hydroclassification including centrifugal hydroclassification to remove said particles therefrom, all of said hydroclassification being performed within about 10 minutes after cessation of said agitation and while said particles are in a state of liberation.

2,626,708

VEGETABLE HARVESTER CLEANING ATTACHMENT

Russell Richard Shuler, Keensburg, Colo.
Application October 12, 1950, Serial No. 189,827
1 Claim. (Cl. 209—255)



In combination with a loader receiving open-top cart adapted for receiving freshly dug tuber vegetables from the elevator conveyor of a harvester digger machine, an attachment adapted for separating the dirt from the freshly dug tubers, comprising, frame means secured to said cart, a source of power, a horizontally operable endless conveyor belt positioned above said open top of the cart and with its discharge end extending beyond the cart, said conveyor belt being of a size to only partially cover the top portion area of the cart, a plurality of sieve cleaner drums each mounted on said frame and above said belt and each mounted for rotation, said drums having their axes in parallel close relationship with each other and with said axes positioned parallel with the direction of travel of the belt, means for con-

necting the belt with the power means for effecting rotation of the belt, and means for connecting the drums with said power means for effecting rotation of the drums, the extreme outside ones of said drums being in a horizontal plane above the other thereof, and each of said drums having peripheral spaced squirrel-cage bars thereon, said bars of a drum being close enough to prevent a tuber from passing therethrough.

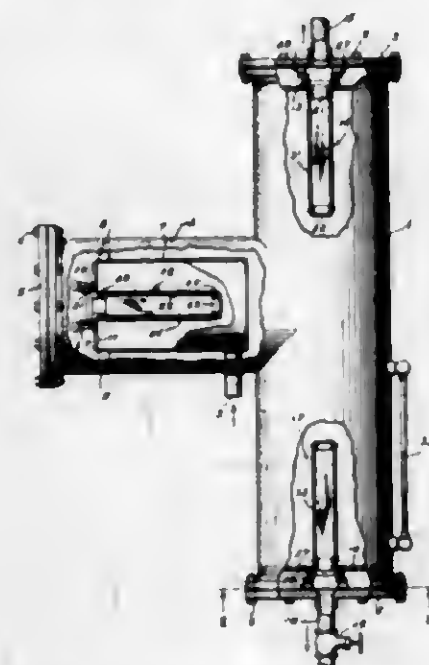
2,626,709

LIQUID SEPARATOR

Elvin L. Kriebel, Lansdale, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application June 4, 1948, Serial No. 31,122

11 Claims. (Cl. 210—43)



1. Apparatus for separating a plurality of immiscible liquids of different specific gravities comprising in combination a vertically extending container having a horizontally extending portion projecting therefrom, means forming a chamber located in said horizontal portion and separated therefrom, an inlet extending into the interior of said chamber adjacent to the vertical portion of said container, outlets formed at the top and bottom of said container, coalescing-membrane means separating the interior of said chamber from the interior of said container adjacent to the outer end of said horizontal portion, through which the liquids entering said chamber must flow into said container where they tend to separate by specific gravity differences, and separating membrane means located in the container adjacent to one of said outlets, said separating membrane means being treated to pass the liquids moving toward the same and repel the other, whereby said liquid will pass through said separating membrane means and the outlet adjacent thereto and the other liquid will pass through the other outlet.

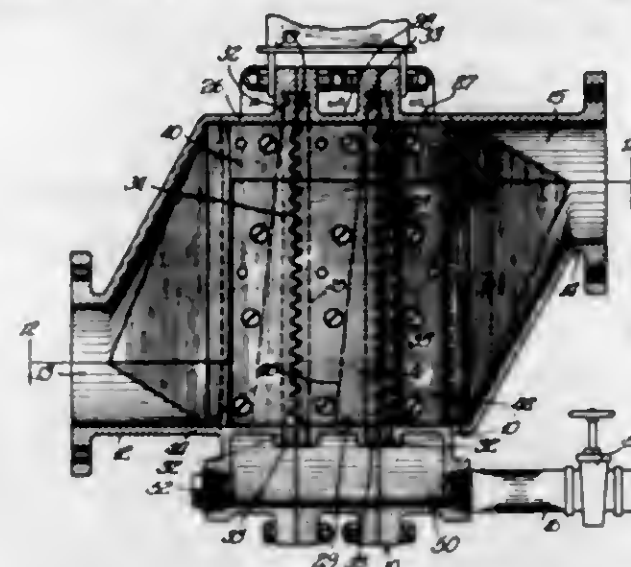
2,626,710

SELF-CLEANING STRAINER FOR WATER AND OTHER LIQUIDS

Rudolph V. Seaholm, Chicago, Ill.
Application March 29, 1948, Serial No. 17,755
5 Claims. (Cl. 210—167)

1. A straining apparatus comprising a housing having intake and discharge passages and a wall extending longitudinally therebetween and defining a path of fluid flow from said intake pas-

sage to said discharge passage, a screen of wire mesh construction having a screening surface of substantial area, said screen being disposed in said housing to extend transversely of said wall and of said path of flow, said screening surface being at all times disposed to intercept fluid flow and being ribbed throughout to provide corrugations of substantial depth projecting longitudi-



nally in the general direction of said wall and of said path of fluid flow, a backwash device associated with said screen adjacent and directly at one side of said screening surface, and means to produce relative reciprocatory movement of said screen and associated backwash device in the direction in which said screen extends and normal to said path of fluid flow.

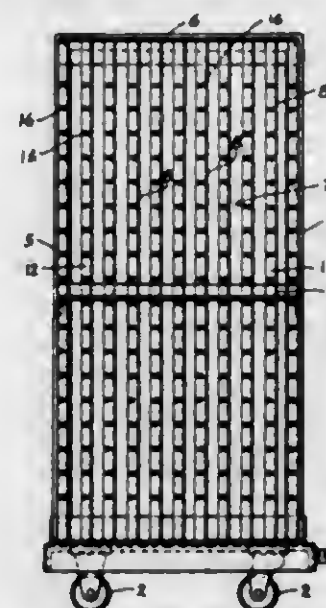
2,626,711

ADJUSTABLE PEG RACK

Samuel Saul, Jr., and Lloyd H. Fenstermaker, Pittsburgh, Pa.; said Fenstermaker assignor to said Saul

Application December 6, 1948, Serial No. 63,818

2 Claims. (Cl. 211—13)



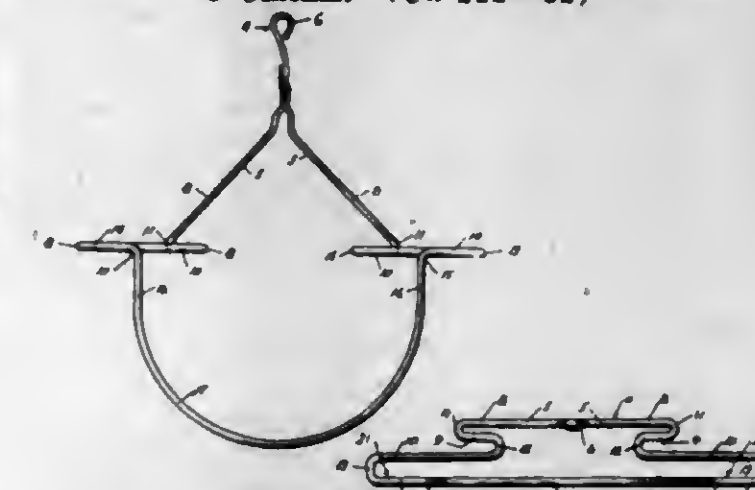
1. In a peg rack, a slat-like supporting structure comprising a pair of spaced end angle sections each having a flange in a common plane and an upstanding flange in spaced parallel planes which are substantially normal to said common plane, a plurality of parallel U-shaped channel sections extending between and normal to said angle sections with the ends thereof connected to said upstanding flanges, said channel sections having parallel webs perpendicular to said common plane with each channel section web having

upper and lower parallel flanges, the ends of each of said lower flanges resting on one of said angle section flanges in said common plane, said channel sections being spaced with their upper flanges forming parallel supporting surfaces having narrow elongated slots therebetween, said parallel supporting surfaces cooperating to provide a slat-like support on which an article may be supported by a plurality of said parallel supporting surfaces, said upper and lower flanges on each of said channel sections having a plurality of pairs of aligned openings therein, said openings in said upper flanges being larger than the openings in said lower flanges, and a peg support movable endwise through a selected pair of said openings to a position supported by the flanges of one of said channel sections so that an article may be hung thereon and prevented from sliding movement over said slat-like supporting surface, said peg having a body portion of a size such that it will move through said larger openings but have a snug fit therein, and a reduced end projecting from said body portion for movement through said smaller openings, the formation of said peg with a reduced end providing a shoulder at the end of said peg body portion engageable with one of said lower flanges in an area around an opening therein to limit endwise movement of said peg to a mounted position.

2,626,712

HAT HANGER

William H. Frush, Atwood, Ind.
Application May 25, 1948, Serial No. 29,120
3 Claims. (Cl. 211—32)



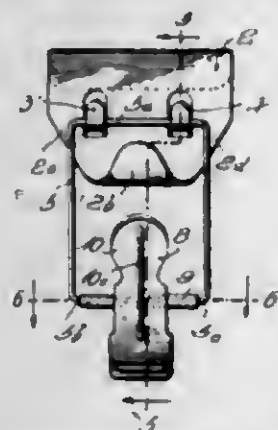
1. In a hanger for a hat having a crown and a brim, a vertically extending yoke having depending laterally spaced legs and suspending means on its upper end, said yoke having a front side, and said legs having lower ends formed with forwardly projecting portions, inner arms formed on said portions and projecting laterally inwardly therefrom in forwardly spaced relation to said yoke, said inner arms having inner ends spaced from each other, said inner ends terminating in forwardly projecting portions, intermediate arms formed on said inner arm portions and projecting laterally outwardly beyond the said portions of the yoke legs, said intermediate arms being spaced forwardly from said inner arms, said intermediate arms having outer ends terminating in forwardly projecting portions, outer arms formed on said intermediate arm portions and projecting laterally inwardly therefrom, said outer arms being spaced forwardly from said intermediate arms, said outer arms having inward ends spaced laterally outwardly from the inner ends of said intermediate arms, and a downwardly bowed arcuate bar extending between the inner ends of said outer arms, said arcuate bar having upper ends connected to the inner ends of said outer arms,

said arcuate bar serving as a rest for the crown of a hat with the brim of the hat protectively positioned between the intermediate and outer arms and the forwardly projecting portions of the intermediate arms.

2,626,713

COMPOSITE GARMENT HANGER AND ARTICLE HOLDER

Robert Peacock, St. Petersburg, Fla.
Application June 20, 1949, Serial No. 100,208
3 Claims. (Cl. 211-89)

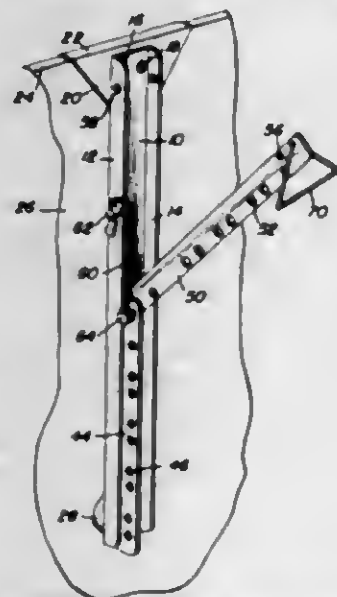


2. A hanger comprising in combination a ball member terminating in horizontally extending linear portions, a tubular member swiveled over said substantially horizontally extending linear portions, a clip comprising a pair of finger actuating members having side portions directed toward each other and apertured for the passage of said tubular member therethrough, said finger actuating members terminating in article engaging edges and spring means for urging said article engaging edges into coacting contact and simultaneously holding the side portions of said finger actuating members in frictional binding relation with said tubular member, whereby said tubular member and said clip are free to be rotated through a range of substantially 360° with respect to said ball.

2,626,714

GARMENT SPACE SAVER

Alexander H. Rover, West New York, N. J.
Application May 25, 1949, Serial No. 95,266
5 Claims. (Cl. 211-100)



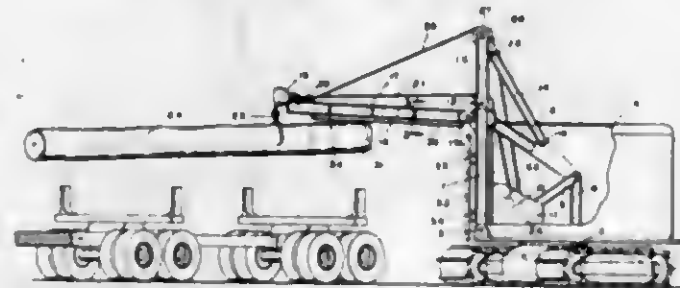
1. A folding clothes hanger comprising an elongated anchor member having a side flange with an opening therein, a base strip secured in juxtaposition to said side flange and having an upper aperture, an arm pivoted to said side flange, said

arm having first and second openings therein, said first opening being in register with said opening in said anchor member when the arm is parallel to said anchor member, said second opening being in register with the upper aperture when the arm is disposed at a forty-five degree angle relative to said anchor member, and a locking pin received in said upper aperture and a selected one of said first and second openings for holding the arm relative to said anchor member.

2,626,715

LOG HANDLING BOOM

Charles Hamilton Sparks and Frank C. Turner,
Eugene, Oreg.
Application June 8, 1951, Serial No. 230,531
2 Claims. (Cl. 212-144)

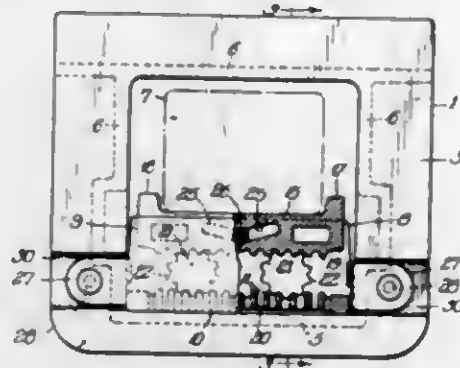


1. A portable log handling apparatus including a base, a pair of spaced apart uprights fixedly mounted on said base, guard members extending between said uprights, brace means holding said uprights in vertical position, a boom pivoted to the upper end portions of said uprights, and a relatively wide log abutment frame carried by the lower side of said boom whereby to provide means for heeling a log when said boom is disposed at an angle relative to said log.

2,626,716

CAR COUPLER CENTERING DEVICE

Otis A. Garber, Clayton, Mo., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 28, 1951, Serial No. 213,067
5 Claims. (Cl. 213-21)

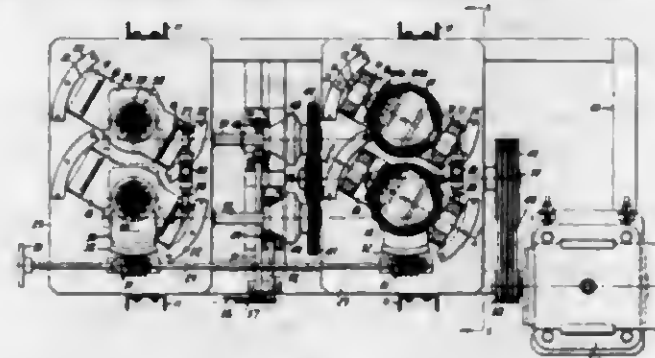


5. A coupler centering device applicable as a unit to a railway car striking casting comprising a base portion carried by said striking casting and provided with a row of rack teeth, and spaced parallel side walls, a laterally and upwardly movable coupler carrier, above the base portion, and provided with a row of rack teeth facing the aforementioned rack teeth, a cylindroidal cam roller, between the base portion and carrier, supporting the carrier, and provided with circumferential teeth meshing with said rack teeth, said carrier having a V-shaped slot transversely therethrough, and fastening means passing through said slot and secured at its ends to said walls to secure the centering device parts in operative assembled relationship.

2,626,717

PIPE FEEDING DEVICE

Warren A. Kraner, San Francisco, Calif.
Application April 29, 1950, Serial No. 159,012
3 Claims. (Cl. 214-1)

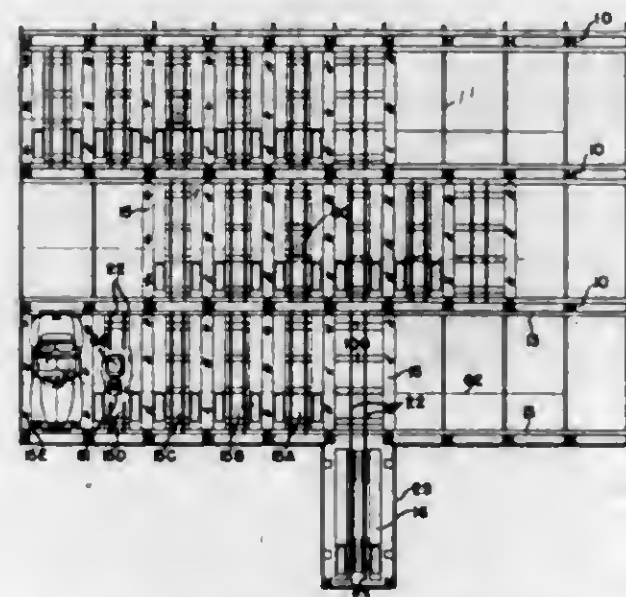


1. In a pipe feeding machine, a base support, a drive roller disposed on a horizontal axis, the periphery of said roller being adapted to engage one side of a horizontal pipe, a roller adapted to engage the diametrically opposite side of the pipe to urge the pipe against said drive roller, a horizontal shaft serving to mount the drive roller, a horizontal mounting plate, journal means carried by said mounting plate and serving to journal the end portions of the shaft, said plate having arcuately contoured end portions, a base plate carried by the base support and underlying the mounting plate, arcuate guideways on the base plate serving to retain said arcuate end portions of the plate whereby said mounting plate can be turned about a vertical axis, means including a rotatable shaft extending through said mounting plates in alignment with said vertical axis for driving the drive roller, and means for adjustably turning the mounting plate about said vertical axis to thereby adjust the angle of the roller axis relative to the axis of the pipe.

2,626,718

PARKING SYSTEM

Irno F. Weber, Dayton, Ohio
Application April 19, 1949, Serial No. 88,345
6 Claims. (Cl. 214-16.1)



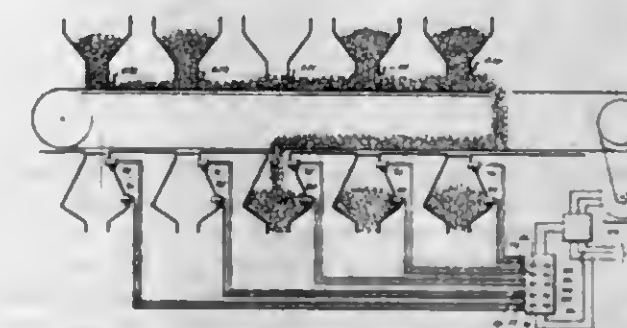
1. A built up automobile parking structure which includes, a skeleton structure having a plurality of horizontally positioned parking levels, each of said parking levels comprising a plurality of platforms each having a plurality of parking spaces thereon on which to place auto-

mobiles in side by side relationship longitudinally of the said platform, said platforms on the respective levels being movable horizontally in a path parallel to other platforms on the same level, the said parking spaces on said platforms being longitudinally in alignment with one another whereby to park automobiles on adjacent platforms in end to end relationship, each of said platforms operating in a minimum working space for shifting of the platform equal to twice the parking spaces arranged on the platform, less one, one of said parking spaces being an aisle space across which an automobile can be moved from one platform to another, means individually moving the said platforms to place a parking space in alignment with the aisle space of an adjacent platform, and an elevator in longitudinal alignment with the aisle spaces of the platforms at the various parking levels, a transfer car movable onto said elevator and movable therefrom over the aligned aisle spaces, control means for selecting a particular parking space in a particular platform at a particular parking level including, means for rendering said control means active to cause the selected platform on the selected level to place the selected parking space in alignment with the loading aisle of the selected level, control means for causing said elevator to rise to the selected level, control means actuated in response to the arrival of the elevator at the selected level to actuate the said transfer car to advance the same to the selected parking space on the selected platform, control means actuated in response to the arrival of the transfer car at the selected space for causing said transfer car to drop the car onto said platform into its parking space, control means actuated in response to the placing of the car on the platform for causing return of the transfer car onto the elevator, and control means actuated in response to the return of the transfer car onto the elevator for causing the elevator to return to its starting position.

2,626,719

CONVEYER DISTRIBUTION SYSTEM FOR AGGREGATE MATERIALS

Arthur J. Stock, Rocky River, Ohio
Application January 24, 1946, Serial No. 643,039
6 Claims. (Cl. 214-17)



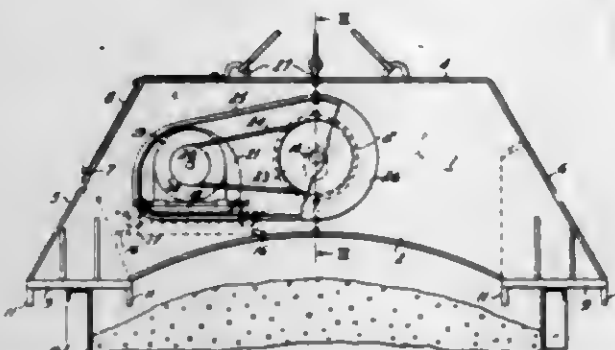
4. An apparatus for supplying aggregate material from an overhead bunker system to a plurality of hoppers at a lower level that comprises a plurality of bunker outlets for said aggregate material aligned along the bottom of said overhead bunker system, a continuous bar-flight-type conveyor aligned under said bunker outlets and having the lower span of the conveyor lying directly beneath the upper, a floor plate under the upper span of said conveyor to prevent the aggregate material from passing downwardly therethrough, said floor plate extending lengthwise beyond the ends of the line of bunker outlets but not completely to the end of the con-

veyor, so that aggregate material conveyed by the upper span of the conveyor will fall therethrough onto the lower span of the conveyor after passing beyond the last bunker outlet, a second floor plate under said lower span of said conveyor, said second floor plate extending longitudinally beyond said first floor plate so as to prevent material that is dropped from said upper span of the conveyor at the end of said first plate from dropping through said lower span of the conveyor, said second floor plate having a plurality of hopper openings therethrough in alignment with and above a plurality of hoppers, an aggregate material valve aligned with each of said hopper openings to control the flow of aggregate material therethrough into the hopper thereunder, a power source for driving said conveyor, a switch for each of said hoppers arranged to be operated when the aggregate material therein falls below a predetermined minimum, a second switch for each of said hoppers arranged to be operated when the aggregate material in said hopper rises above a predetermined maximum, a control device connected to all of said switches and arranged to start and stop said conveyor in accordance with the positions of said switches so as to supply aggregate material in accordance with the needs of the system, and a series of supplemental hand operated switches for selectively nullifying the effect of the various level operated switches upon the control device, whereby the control device can be used to operate independently of the level of aggregate material in selected of the hoppers.

2,626,720

CAR SHAKER

Guy V. Woody, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 13, 1949, Serial No. 121,195
1 Claim. (Cl. 214-44)



Apparatus of the class described comprising: an arch-like hollow structure having side plates rigidly connected and spaced by top and end plates; a tubular member rigidly connected at its opposite ends to and transversely connecting said side plates intermediate their ends, rigid beams extending transversely between, and rigidly interconnecting said side plates intermediate said tubular member and one said end plate; motor means mounted and enclosed within said hollow structure below the top of said side walls and resiliently supported for vibrational movement relative thereto by resilient connection with said beams; an unbalanced rotor journaled for rotation in said tubular member; generally parallel rotatable shafts on said motor and rotor, respectively, extending through suitable openings in one of said side plates; rotary power transmission means outside of said frame, supported by and connecting said shafts in driving and driven relation.

2,626,721
UNLOADING SYSTEM FOR MINES
Walter Bertram Lodge and Geoffrey Armitage
Corden, Outwood, near Wakefield, England;
Frank Ernest Lodge, administrator of said
Walter Bertram Lodge, deceased, assigns to
Armitage & Bertram Limited, Leeds, England,
a British company
Application July 10, 1946, Serial No. 682,694
In Great Britain April 25, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 25, 1965
1 Claim. (Cl. 214-52)

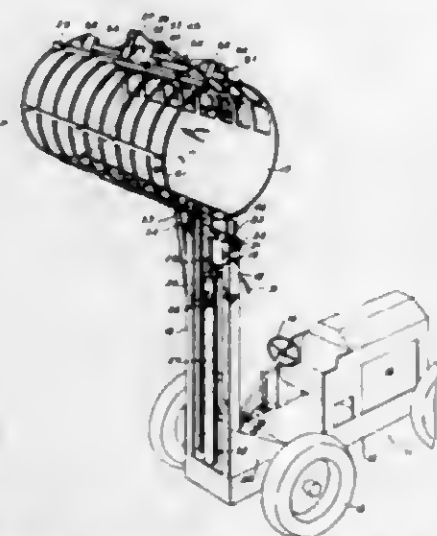


Apparatus for handling coal, ore, or other mineral masses at a pit head, comprising, in combination, a pair of mine cages disposed in side-by-side relationship in association with a single mine shaft and adapted to operate alternately to move mine cars vertically between the pit head level and a lower point in the shaft, a pair of car receivers arranged adjacent to and at opposite ends of the cages at the pit head level in positions to receive cars from said cages for emptying, the said car receivers being movable laterally to the line of movement of cars into and from said cages to permit movement of cars between each of said receivers and each of said cages, a first ram operatively associated with a first one of said car receivers in alignment with a first one of said cages and adapted to push a car from said first receiver into said first cage and thereby displace a car from said first cage into the second one of said receivers when the said receivers are in alignment with said first ram and said first cage, and a second ram operatively associated with said second car receiver in alignment with the second of said cages and adapted to push a car from said second receiver into said second cage and thereby displace a car from said second cage into said first receiver when the said receivers are in alignment with said second ram and said second cage.

2,626,722

HAY AND MANURE LOADER

William Harry Taibott, Albany, Calif.
Application September 5, 1950, Serial No. 183,231
5 Claims. (Cl. 214-653)



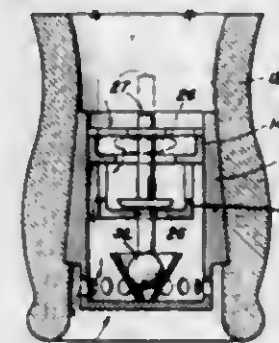
1. Material lifting apparatus arranged to be mounted on a propelling vehicle including a pair of fixed vertical support members carried by said

vehicle, a scoop member mounted for reciprocal movement on said support members, said scoop member extending horizontally beyond the edges of said support members and being substantially semi-circular in cross-sectional form with the respective edges thereof being disposed in substantial vertical alignment, a jaw member having a form substantially corresponding to that of said scoop member and pivotally attached at the upper end thereof to the upper end of the scoop member, said scoop and jaw members cooperating in a closed position to provide a substantially cylindrical enclosure in which material may be retained, said pivotal connections being disposed substantially on the common diameter of said jaw and scoop members, means for selectively opening and closing said jaw member relative to said scoop member, and means for selectively raising and lowering said jaw and scoop members in unison relatively to said vertical support members.

2,626,723

APPARATUS FOR NONREFILLABLE BOTTLES

Frank S. Onorato, New York, N. Y.
Application December 18, 1950, Serial No. 201,425
2 Claims. (Cl. 215-20)



1. As a new article of manufacture, a non-refillable bottle comprising a bottle, a neck therein, a hollow shell snugly fitting in the neck, said shell comprising cylindrical neck-contacting walls, a top wall connected thereto having an inverted cone on its under side, a ball freely movable in the cone, pouring openings in the top wall of the shell, a valve carrying cage snugly fitting in the shell, said cage comprising side walls, a top member, a bottom member, and a shelf having an opening therein, pouring openings between the top member and the shelf, a valve rod movable within the cage between the top and bottom thereof, the upper end of the valve rod engaging the ball, a flexible floatable valve mounted on the valve rod, an inner valve seat on the shelf adapted to be closed by the valve in sealing position when under normal pressure but permitting the valve to snap through when under increased pressure, and an outer valve seat spaced from the first valve seat a distance greater than the width of the valve, and adapted to prevent the passage of the valve through the valve cage.

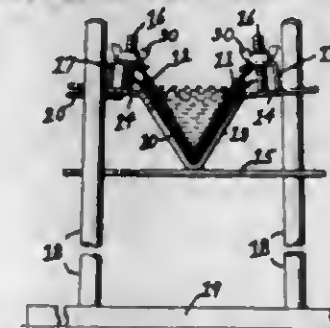
2,626,724

SECTIONAL WATER TROUGH

Marvin L. Smallegan, Zeeland, Mich., assignor to Automatic Poultry Feeder Company, Zeeland, Mich., a corporation of Michigan
Application July 27, 1950, Serial No. 176,138
2 Claims. (Cl. 220-4)

1. In a sectional trough, the combination comprising: a plurality of V-shaped trough sections, said trough sections being arranged with their ends in overlapping relationship; a gasket between said overlapping ends; a V-shaped bracket having upwardly, angularly disposed, apertured arms; a pair of spaced posts; said arms being

adapted to slidably and tensionally embrace said posts; a threaded stud on each arm of said V-shaped bracket; a pair of L-shaped clips, each engaging one of said studs; one leg of each of said clips engaging said arm of said V-shaped

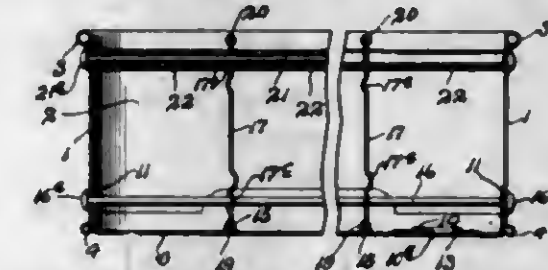


bracket; the other leg of each of said clips engaging the upper portion of the upper of said trough sections; means for urging each of said clips firmly against said arms and said trough sections.

2,626,725

BOTTLE CARRIER

Ralph W. Stevenson, Grand Rapids, Mich., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich., a corporation of Michigan
Application October 11, 1948, Serial No. 53,773
10 Claims. (Cl. 220-21)



1. In a bottle carrier of the type having a bottom and a bottle retaining wall, a plurality of separators disposed in said carrier to define a plurality of bottle receiving rows, said separators each being cut short of the ends of said carrier and supported from the bottom thereof for swinging movements about axes parallel to the direction of orientation of said separators, said separators having aligned strut-receiving openings adjacent their upper edges, struts loosely received in said openings, said struts being oriented in direction substantially transverse to said separators to define a plurality of bottle-receiving compartments, and resilient elements surrounding each of said struts in the regions between adjacent separators and between the outermost separators and said wall and bottoming against said separators and said wall.

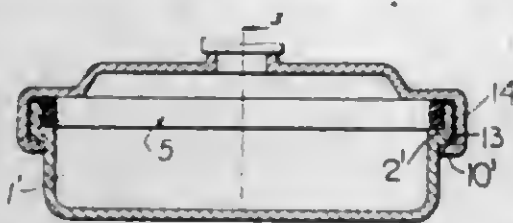
2,626,726

COOKING UTENSIL

Otto M. Burkhardt, Euclid, Ohio
Application April 5, 1945, Serial No. 586,734
1 Claim. (Cl. 220-40)

A cooking utensil comprising a container member with an opening, a closure member therefor having a depending annular skirt entirely surrounding the open end of said container, an annular flexible sealing means the material of which is of greater height than width in radial cross section arranged between said container and closure members and enclosed entirely within said closure member, said height of the sealing means in normal free condition being greater than the distance between the container and closure at the top and bottom of said sealing means when said container and closure are in locked engagement, the sealing means being

flexed inwardly by the locking engagement of said closure and container members and having its inner surface exposed to pressure radially outward within the utensil and responsive thereto for promoting sealing engagement between said container and closure members, and rotatively interengageable means between the outside of said container member and the inner side of said skirt of said closure member, said interengageable means including a plurality of separate parallel horizontal surfaces that are substantially spaced from each other in a direction corresponding to the longitudinal axis of the

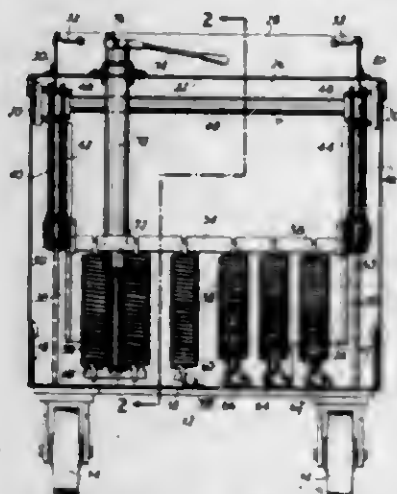


utensil and that are formed as a unitary part of one of said members, and projecting means upon the other of said members for co-operative engagement with said surfaces for compressing and flexing said sealing means so as to hold said closure member in sealed condition for all internal pressures and to hold said closure member in unsealed condition for venting the internal pressure, respectively, said horizontal surfaces extending for the greater part and constituting the primary part of said interengageable means so as to afford interengageable surfaces of substantial extent for dependable engagement.

2,626,727

MATERIAL RECEIVING, STORING, AND DISPENSING APPARATUS

William J. Gibbs and Carl H. Larsen, Brooklyn, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application September 8, 1948, Serial No. 48,166
21 Claims. (Cl. 220-93)



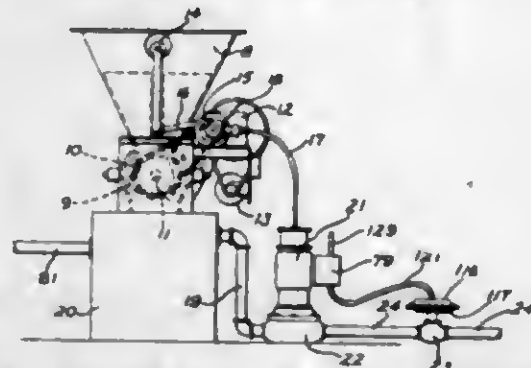
1. In a self-leveling dispensing apparatus, a material carrying platform, elongated flexible members supporting said material carrying platform for up and down movement, an inner shell surrounding the path of travel of said platform, guide members for confining said elongated members to a predetermined path of travel, counterbalancing calibrated tension springs connected to said elongated flexible members for raising and lowering said carrier a distance corresponding with the weight of each increment or decrement added to or removed from the carrying platform, anchorages for said springs, and lost motion connections between said springs and said anchorages, said lost motion connections being constructed and arranged to provide varying amounts of lost motion to stagger the time said springs

become effective in accordance with the amount of friction encountered at the various positions of the descending material carrying platform.

2,626,728

PROPORTIONING DEVICE

Lyndus E. Harper, Chicago, Ill., assignor to Omega Machine Company, Providence, R. I., a corporation of Missouri
Original application February 21, 1947, Serial No. 730,162. Divided and this application July 1, 1949, Serial No. 102,549
13 Claims. (Cl. 222-57)



1. The combination with a receptacle, of means for feeding material to said receptacle at a variable rate comprising a rotatable feeding member, means for rotating said feeding member at a variable rate, said feeding member feeding said material at a rate proportional to its rate of rotation, means for supplying a liquid to said receptacle comprising a conduit leading to said receptacle, a valve controlling the flow of liquid through said conduit, and means controlling the position of said valve to maintain a predetermined proportion between said material and said liquid comprising a member rotating with said feeding member, a member rotated by the liquid passing through said conduit to rotate at a rate proportional to the rate of flow of liquid therethrough, differential means connecting said last mentioned members and a valve positioning member actuated by said differential means.

2,626,729

FEEDING MECHANISM FOR SPREADER AND SEEDER APPARATUS

Fortunato S. Ajero, Chicago, Ill., assignor to Ezee Flow Corporation, a corporation of Illinois
Application January 25, 1950, Serial No. 140,495
11 Claims. (Cl. 222-242)



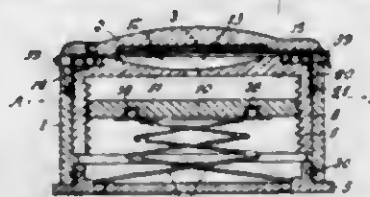
1. A material spreader including an elongated hopper having at least two discharge ports spaced lengthwise of the hopper bottom, shutter means for said ports on the exterior of said hopper, rotatable shaft means extending lengthwise through at least part of said hopper, a first propeller element on said shaft means intermediate said discharge ports, said element dimensioned to impel a first flow of material along said shaft means toward one of said ports as said shaft means rotates once in one direction, a second propeller element on said shaft means intermediate said discharge ports, said second element dimensioned to impel a smaller flow of material along said shaft means away from said one port as said shaft means make one complete

revolution in said one direction and thereby to distribute said first flow over the hopper bottom, and a pair of substantially rigid, non-deformable members positioned on said shaft means for operation in said discharge ports, said members being proportioned to penetrate into but not appreciably beyond said discharge ports as said shaft means rotate said members intercepting the flow of said material along said shaft means to eject a portion of said material through said ports.

2,626,730

CONTAINER FOR PASTY SUBSTANCES

Josef Gabler, Zurich, Switzerland
Application August 15, 1946, Serial No. 690,779
In Switzerland February 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1964
5 Claims. (Cl. 222-326)

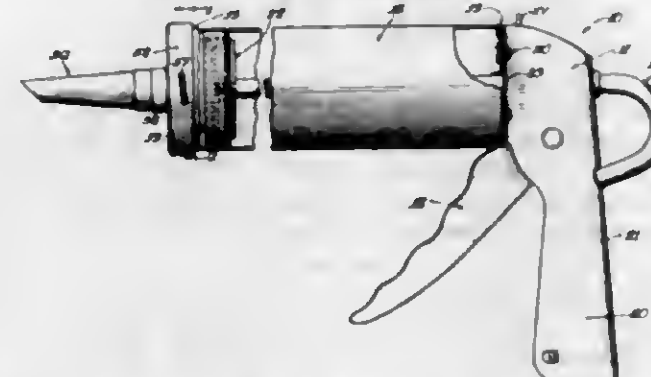


1. A dispensing container for pasty substances comprising a substantially cylindrical outer container having an upper portion and a bottom portion rotatably attached to the upper portion, an inner container within the outer container containing the substance to be dispensed and adapted to rotate integrally with the upper portion of the outer container, said inner container having screw threads on the inner surface of the walls thereof, a piston in the inner container having screw threads on the outer periphery thereof adapted to engage the threads on the inner container, a helical spring engaging at one end the bottom portion of the outer container and at the other end the piston whereby on relative rotation of the upper and bottom portions of the outer container the piston is moved longitudinally in the inner container.

2,626,731

CALKING GUN ASSEMBLY

William J. S. Ekins, Cleveland, Ohio
Application November 10, 1950, Serial No. 195,038
4 Claims. (Cl. 222-470)



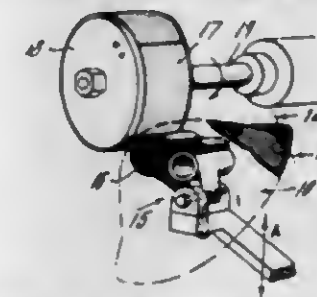
4. In a calking gun assembly of the class described, a handle holding means, a pair of coplanar separated flange members extending outwardly from the upper end of said handle, a cylindrical barrel for storing a charge of plastic material to be extruded therefrom, and a rotatable breech means for connecting said barrel to said handle member whereby the latter is adapted for rotational movement therewith about its longitudinal axis relative to said handle, said breech means comprising, a circular plate member mounted rigidly to said flange members, an annular flange portion formed about the periphery

of said plate and offset outwardly of the plane thereof to provide a channeled groove intermediate itself and said handle flange members when said plate is mounted to the latter, and a cylindrical breech cup, having an annular lip portion formed radially inward of one end thereof, mounted concentrically about the periphery of said plate member with said lip portion thereof being slidably engaged in the said channeled groove, and held between said plate and handle flange members whereby said cup is rotatable relative to said handle.

2,626,732

FINISHING PROCESS FOR FELT AND FELT HAT BODIES

Irving Kaufman, Bronx, N. Y.
Application December 9, 1950, Serial No. 200,073
1 Claim. (Cl. 223-20)



The process of treating embossed felt hat bodies having interrupted surface portions with relieved and recessed areas; comprising the subsequent operational steps of first subjecting the hat body to a pouncing treatment against the nap of sharkskin surface having approximately 400 to 500 teeth per square inch and rotating approximately at 500 to 700 revolutions per minute to thereby preliminarily penetrate and open the fibrous surface of said hat body, thereafter exposing the hat surface to the action of a sharkskin surface and against the nap of the same having approximately 300 to 350 teeth per square inch and rotating at approximately 1500 to 2000 revolutions per minute, whereby the fibrous hat surface is more readily and sufficiently opened for the ensuing step of steaming the hat surface, thereafter treating the latter with compressed air, clipping and equalizing the raised fibers of the hat surface, and finally buffing and polishing said hat body surface by subjecting the same to the action of the first-named sharkskin surface and in the direction of the nap thereof.

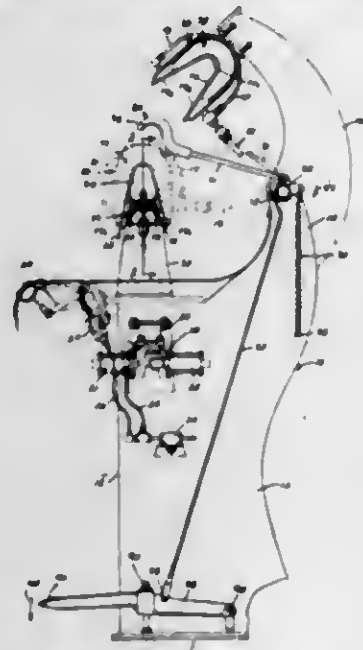
2,626,733

SLEEVE PRESS

Ira C. Maxwell and Ole H. Langen, Minneapolis, Minn., assignors, by mesne assignments, to The Unipress Company, Incorporated, a corporation of Minnesota
Application December 10, 1949, Serial No. 132,331
12 Claims. (Cl. 223-57)

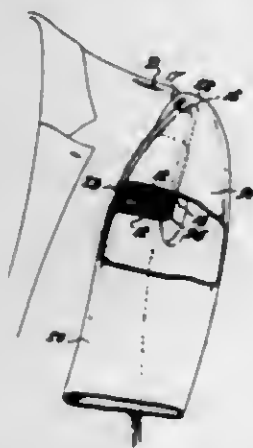
1. In a press for tubular garment portions, such as sleeves and legs, having a horizontally extending buck for drawing the tubular garment portion thereon, and a cooperating presser head and means for moving the presser head into and out of cooperating pressing engagement with the buck, an improved buck construction comprising a stiff buck pad support extending lengthwise of the buck from one end to the other, said buck pad support having front and rear substantially planar wall panels, the front panel being slanted backwards and the rear panel slanted forward so that the two panels converge, said panels being joined by a smoothly curved portion forming the upper longitudinal median area of the buck pad support, said panels and curved portion being in-

tegral and stiff and forming together a shape of inverted V-transverse section, the angle of said inverted V formed between the front and rear wall panels being from about 20 degrees to about 60 degrees, a springy pad of substantially uniform thickness fastened to and covering the outer surface of said buck pad support, said presser



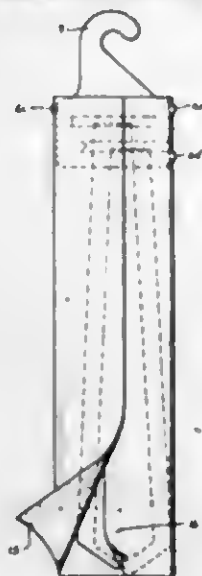
head having substantially planar front and rear upwardly converging pressing areas joined by a smoothly curved area corresponding to the shape of the outer surface of the pad on the stiff buck pad support, except that the angle between the converging front and rear pressing areas of the presser head is from 0 degrees to 2 degrees less than the angle between the front and rear panel portions of the buck pad support.

2,626,734
SLEEVE FOLD GUIDING AND SUPPORTING DEVICE
Peter H. Simonsen, Avon, N. J.
Application October 10, 1950, Serial No. 189,385
4 Claims. (Cl. 223-72).



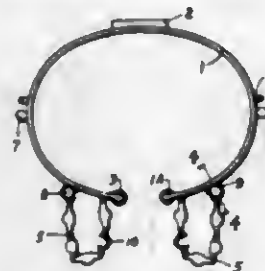
1. A sleeve fold guiding and supporting device for insertion within the sleeve of a garment adjacent the armhole juncture thereof with the shoulder of the garment when said garment is to be folded for packing, said device comprising a rigid body of substantially U-shaped transverse cross-section to provide spaced apart corresponding side sections forming an intermediate sleeve fold receiving space, the free margins of said side sections inclining inwardly and upwardly from the bottom margins thereof, whereby to provide an acute nose section at the upper end of the body adapted, in use, to abut the peak of the sleeve at the juncture thereof with the shoulder of the garment.

2,628,735
COMBINED TIE HANGER AND COVER
Myron B. Gwinn and Leigh Whitehead, Denver, Colo.; said Whitehead assignor to said Gwinn
Application April 14, 1949, Serial No. 87,506
2 Claims. (Cl. 223-98)



1. An article for hanging and covering neckties comprising a piece of sheet material having a body portion, suspending means and a tie-receiving slot carried by the body portion, in combination with a cover member of sheet material adapted to be folded about said body portion, and ties carried thereby, and having pressure-sensitive-adhesive-coated areas on the opposite faces of its opposite margins, and projections carried by the body portion and eyes formed in the cover member positioned to interengage with said projections during the folding of the cover member about the body portion.

2,628,736
UTILITY BRACELET
Hazel Mae Korth, Cleveland, Ohio
Application February 25, 1950, Serial No. 146,232
4 Claims. (Cl. 224-28)

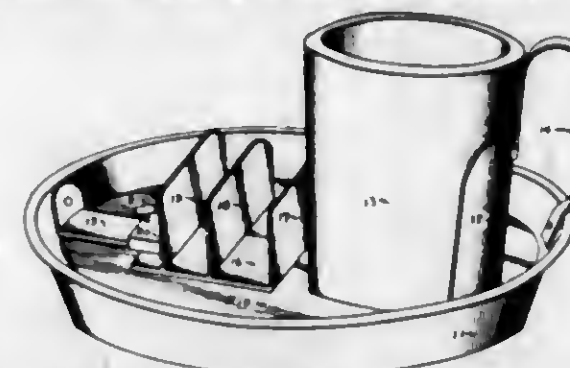


1. A bracelet of the character described, comprising a body in the form of a flat band of slightly flexible material in circular form and having cylindrical formed ends spaced apart, said body having chain-like ornamentalations each removably attached at its lower end to the lower half portion of said body, said ornamentalations on the lower half portion of the body provided with means removably attaching the upper end of same to said body to form a support depending from one of the spaced apart ends for personal items.

2,626,737
COMBINED PAINT CAN HOLDER AND BRUSH SUPPORT
Adolph G. Pitz, Bridgeport, Conn.
Application June 17, 1949, Serial No. 99,639
3 Claims. (Cl. 224-48)

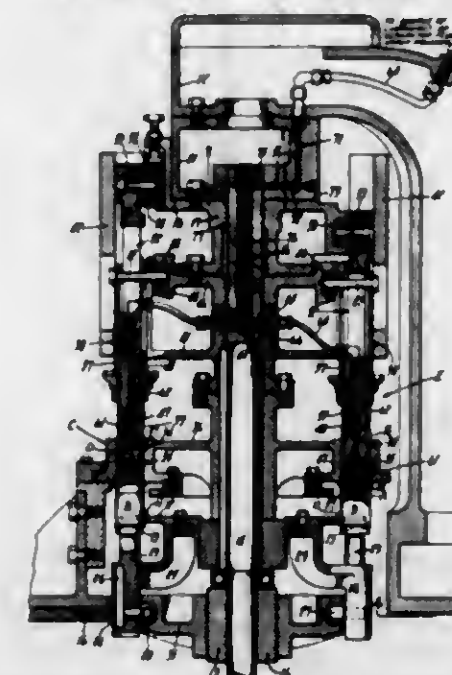
1. An article of manufacture comprising in combination, a plate-like support including an upturned edge; a fixed abutment plate spaced from, but relatively close to said edge in relation to the radius of said plate; a handle attached

to said edge and said abutment plate and extending substantially above the top of said abutment plate; a bearing element attached to said plate-like support; and a brush holder slidably mount-



ed on said bearing and adapted to cooperate with said fixed abutment to hold a paint can or the like having a substantially smaller end area than said plate-like support rigidly against said handle.

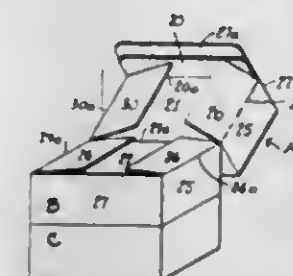
2,626,738
CAN-FILLING MACHINE WITH POROUS PACKING PLUNGER
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 23, 1946, Serial No. 717,844
2 Claims. (Cl. 226-97)



1. In a machine for filling containers with a sticky product such as minced meat and the like, the combination of a plunger element for pressing the product into a container, a plate of porous metal carried on said plunger element and having a lower product contacting surface, said porous metal consisting of numerous small spherical particles bonded together and forming between them minute sinuous and interconnecting passages extending from minute openings on each surface of said plate to similar openings throughout every other surface thereof, fluid conducting means in said plunger element and leading to the upper surface of said plate, and means for connecting and disconnecting said fluid conducting means at timed intervals with a source of separator fluid under pressure to the minute sinuous and intercommunicating passages of said porous metal plate in time with the movement of said plunger element for filtering the liquid and for distributing it as a film between said product contacting surface of said plate and the surface of the product to prevent said product from sticking to said plate when said plunger is withdrawn from the filled container, said minute sinuous passages of the plate

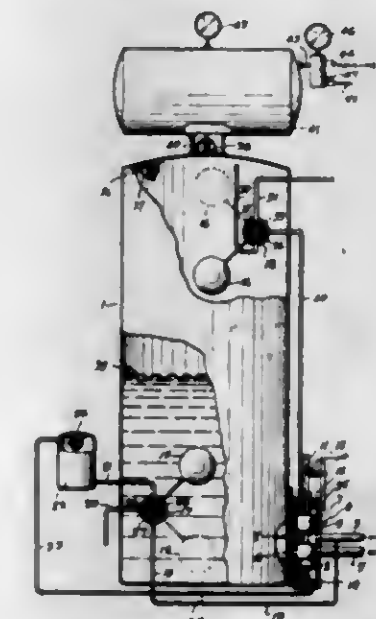
also checking the flow of fluid when the pressure on the fluid is discontinued, and the minute passage openings on said product contacting surface of the plate substantially preventing blockage of the passages by particles of the product.

2,626,739
FOLDING BOX
Herman A. Feigelman, Paterson, N. J.
Application January 31, 1947, Serial No. 725,590
2 Claims. (Cl. 229-27)



1. In combination, a plurality of folding boxes including a first and a second box, said first box having side walls and a bottom hinged to one of said side walls, said second box having side walls and a cover hinged to one of the last-mentioned side walls, other of said last-mentioned side walls having foldable extensions underlying said cover, other of the first-mentioned side walls having foldable extensions underlying said bottom and said cover and overlying said foldable extensions of said last-mentioned side walls, an additional one of said first-mentioned side walls being provided with a portion extending into the second box between said foldable extensions of said last-mentioned side walls and an additional one of said last-mentioned side walls.

2,628,740
SILENT AIR COMPRESSOR
Benjamin Levy, Kansas City, Mo., assignor of two-thirds to William G. Wilson, Stratford, Conn.
Application February 7, 1949, Serial No. 74,910
6 Claims. (Cl. 230-83)



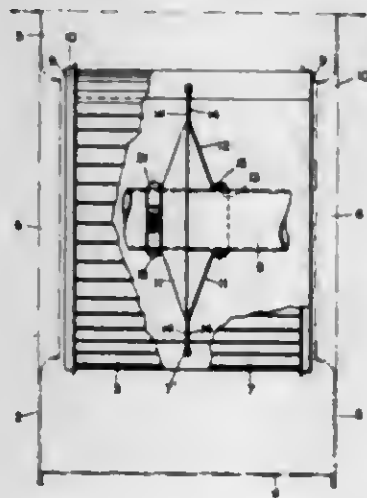
1. An air compressor comprising a main tank, means for supplying water under pressure to the tank and a discharge means for water from the tank, a fluid operated valve controlling said water supply and discharge means, a float in the upper part of the tank, a second float in the lower part of the tank, a valve controlled by the upper float

having connections with the upper part of the tank, the atmosphere and said fluid operated valve, a fluid pressure supply, and a fluid discharge means, a valve controlled by the lower float having connections whereby it may be connected with said fluid pressure supply, a fluid discharge means and said fluid operated valve, a nonreturn valve to permit entrance of air to the tank, a nonreturn valve for discharge of air under pressure from the tank under action of water rising in the tank, said floats being controlled by water levels in the tank, said upper float operated valve having ports to place the connection with the fluid operated valve in communication with the atmosphere when the float is in its lower position and with the upper part of the tank when the float is in its upper position, and said lower float operated valve having ports to place the fluid operated valve in communication with the fluid pressure supply when this float is in its lower position and with the fluid discharge means when this float is in its upper position.

2,626,741

FAN WHEEL FOR CENTRIFUGAL FANS

Samuel C. Osborne, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application October 14, 1950, Serial No. 190,170
11 Claims. (Cl. 230-134)



1. In a fan wheel, the combination of a shaft, two similar disk members mounted on the shaft adjacent one another, a plurality of vanes having openings therein, each disk carrying a plurality of fastening members facing in opposite directions whereby rotation of the disks in opposite directions passes the fastening members through the openings in said vanes to restrain the vanes against radial movement due to centrifugal forces, and end rings secured to the opposite ends of the vanes to form the wheel as an integral unit.

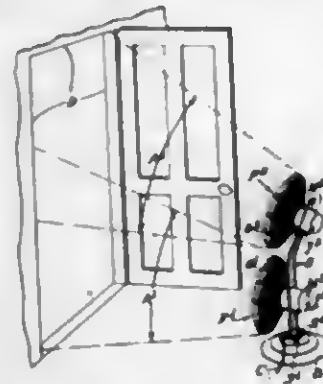
2,626,742

VENTILATING DEVICE

Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 27, 1950, Serial No. 176,101
7 Claims. (Cl. 230-259)

1. A ventilating device comprising a base; an upright standard rising from said base and including spaced legs having their lower ends secured to said base, said legs having upper transverse portions projecting toward each other but spaced apart slightly to prevent metal-to-metal contact therebetween; a covering of sound-

deadening material enclosing said transverse portions and maintaining them in spaced relation;



and a fan including an electric motor mounted between the spaced legs of said standard.

2,626,743

AIR DISPLACEMENT ROTOR

Elmore J. Sanders, San Gabriel, Calif.
Application September 16, 1946, Serial No. 49,507
13 Claims. (Cl. 230-270)



1. A rotor device comprising a rotatable first section having fluid passing apertures, an axially proximate second section rotatable with and relative to said first section and carrying shutter means operable to vary the effective fluid passing area of said apertures upon relative rotation between the sections, angularly disposed fluid displacement blades mounted for rotation with the sections and positioned generally opposite said first section at locations to interact with a fluid stream passing through said apertures, holding mechanism operable to interconnect the sections for rotation together in different relative angular positions, said holding mechanism including a movable detent element carried by one of the sections and engageable with the other section, and an electrical solenoid for actuating said detent element.

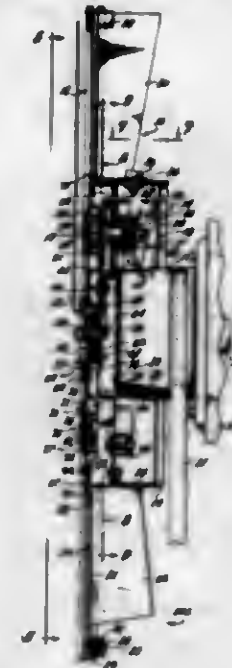
2,626,744

VARIABLE FLOW FLUID DISPLACEMENT ROTOR

Elmore J. Sanders, San Gabriel, Calif.
Application April 24, 1950, Serial No. 157,765
18 Claims. (Cl. 230-270)

1. A rotor device comprising a rotatable first section having fluid passing apertures, an axially adjacent second section rotatable with and relative to said first section and carrying shutter means adapted to vary the effective fluid passing

area of said apertures upon relative rotation between the sections, angularly disposed fluid displacement blades mounted for rotation with the sections and positioned in fluid transferring relation to said fluid passing apertures, a detent lug mounted to one of the sections for movement relative thereto between a pair of control posi-

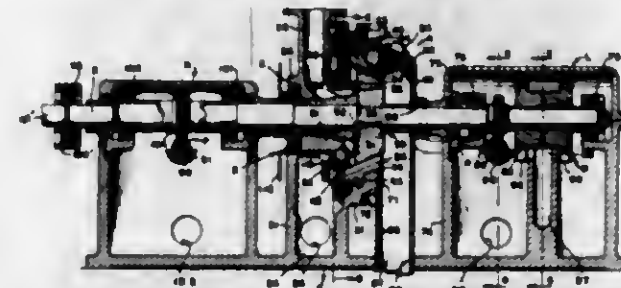


tions, means on the other section engageable by the lug in said two positions respectively to interconnect the sections for rotation together in different relative angular positions, and means for controlling the movement of said lug between its two positions to thereby control the relative angular positions of said sections and the fluid displacement therethrough.

2,626,745

CENTRIFUGE

Frank H. Fletcher, Jr., Flushing, N. Y., assignor to Ethel K. Haferkamp and Mary Elliott Haferkamp, Oswego, and Virginia H. Fletcher, Flushing, N. Y.
Application July 13, 1951, Serial No. 236,628
13 Claims. (Cl. 233-8)



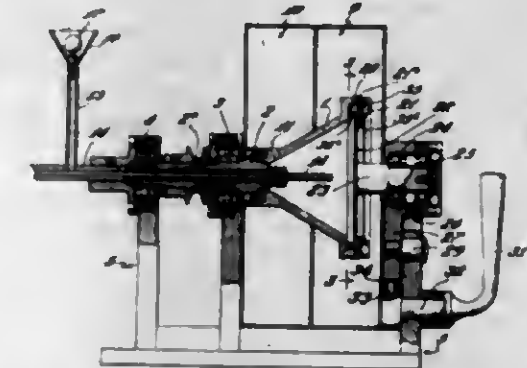
1. A centrifuge for liquid-solids material, including two substantially axially-aligned rotating members disposed out of contact one with the other, a centrifuge basket assembly fixedly mounted upon one of said members for rotation therewith and provided with a hollow basket body having a truncated conical inner periphery, a scraper assembly disposed within said basket assembly and fixedly mounted upon the other of said members for rotation therewith and including a rotatable element with a truncated conical outer periphery, disposed with said peripheries in spaced-apart facing relationship, the space between said peripheries providing a centrifuge chamber and the distance between said peripheries being such that said material thrown off from said basket body will strike and rotate said rotatable element, and means, assisted by cen-

trifugal force, carried by said element and basket assembly to cause the liquid of said material to flow along said chamber in one spiral direction to the larger mouth of said chamber and cause the solids of said material to move along said chamber in the opposite spiral direction to the smaller mouth of said chamber.

2,626,746

CENTRIFUGE

Samuel L. Abbott, Wilton, N. H.
Application October 25, 1946, Serial No. 705,664
11 Claims. (Cl. 233-14)



1. A centrifuge comprising a rotatable container for receiving material to be separated into components of different specific gravity, said container having an opening through which may be discharged a separated component, a seal to obstruct exit of a separated component through the discharge opening including a sealing liquid having a specific gravity greater than that of the heaviest component to be separated, and a barrier element, marginal portions of which dip into the sealing liquid defining connected inner and outer columns of the sealing liquid in the container, the centrifuge including a conduit permitting entrance into the container, on the inner side of the barrier element, of the material to be separated, a central shaft for the barrier element, a mounting permitting said shaft and barrier element to be shifted bodily relative to a wall of the container during rotation of the container to cause a relative lowering of the level of the inner column with relation to at least a portion of the peripheral path of the barrier element, and operating mechanism having a portion outside of the container and not partaking of the rotation of the container, said operating mechanism being connected to said shaft to effect such shift of the barrier element during rotation of the container.

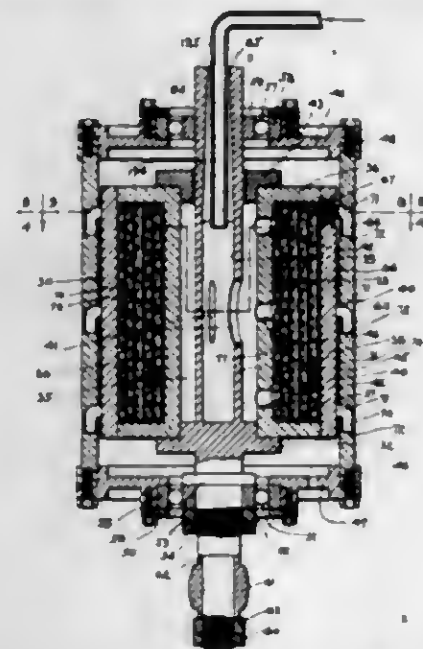
2,626,747

CENTRIFUGAL SEPARATOR

Emil L. Ranssen, Chicago, Ill.
Application March 11, 1949, Serial No. 80,950
18 Claims. (Cl. 233-30)

1. In a centrifugal separator a cylindrical rotor of substantially uniform diameter throughout its length, means to journal said rotor for rotation about an axis concentric with the axis of said rotor, an impervious partition within said rotor extending lengthwise from end to end of said rotor and extending in spiral form from an inlet position at a small radius and located close to the axis of rotation to a discharge position at larger radius and located at the periphery of said rotor, the successive convolutions of said partition being separated from each other a substantially constant radial distance throughout the spiral length of the partition to provide a spiral passage of substantially uniform radial dimen-

sion extending throughout the rotor from said inlet location to said peripheral discharge location for flow of material undergoing treatment through said spiral passage under centrifugal action produced by the rotation of the rotor, means to introduce into said spiral passage material to be treated, at said inlet location, said introducing means being in connection with said inlet location of the spiral passage, spacing elements within the spiral passage and extending radially from each convolution of the spiral partition to the adjacent convolution of said partition to retain said convolutions at fixed spacing from each other, said spacing elements including foraminated layers extending lengthwise of the spiral passage and across the width of the passage in direction parallel to the axis of rotor rotation, said foraminated layers including radially extending portions extending in radial fashion between the outwardly facing surface of



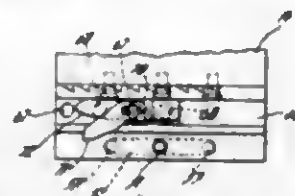
the convolution of smaller radius and the inwardly facing surface of the adjacent convolution of next larger radius, to thereby retain the consecutive convolutions of the partition at fixed spacings from each other, and the foraminations of said layers permitting interchange of material radially through the layers during separation actions produced in the spiral passage by centrifugal forces developed by rotation of the rotor, means to separately deliver separated material components from the discharge location, said delivering means comprising at least two discharge elements one of which is in communication with the small radius portion of the spiral passage at the discharge location and the other of which is in communication with the large radius portion of the spiral passage at the discharge location, and means to separately collect material delivered from each of said separate delivery means.

2,626,748

ADJUSTABLE CROSSFOOTER PICKUP
Elmer L. Wise, Farmington, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application December 4, 1951, Serial No. 259,773
2 Claims. (Cl. 235-59)

2. In an accounting machine having a column register, a pair of cross computing registers, pick-up mechanisms for relatively shifting accumulator mechanism and actuator mechanism of the cross computing registers to correspond with the relative shifting of accumulator mechanism and actuator mechanism of the column register

to the column register, a block attached to said the improvement comprising a support attached support, means for attaching said block to said support in a plurality of positions, a pair of slots in said block, a pick-up mechanism actuator dog pivotally mounted in each of said slots, a protrusion on each of said dogs, a leaf spring attached to said block, said spring having a pair of arms one of said arms bearing against the protrusion

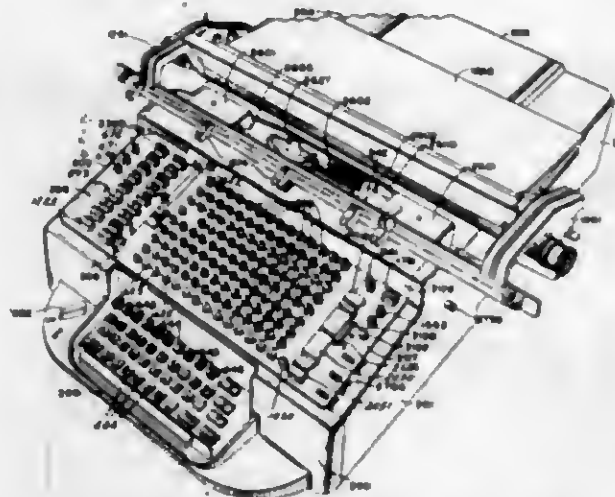


on one of said dogs and the other arm bearing against the protrusion on the other of said dogs, said protrusions each having a pair of oppositely sloped surfaces, whereby said dogs may be individually pivotally moved between a pick-up mechanism intercepting position and a non-intercepting position and will be detented in both positions by the cooperation of an arm of said leaf spring with one of said sloped surfaces.

2,626,749

OVERDRAFT MECHANISM FOR ACCOUNTING MACHINES

Raymond A. Christian, Paul H. Williams, Jesse R. Ganger, Arthur R. Colley, Andrew J. Strachan, William L. Paden, James H. Crawford, Herbert C. Johnson, Robert H. Gelger, and Robert C. Mitchell, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application December 6, 1947, Serial No. 790,032
26 Claims. (Cl. 235-60.2)



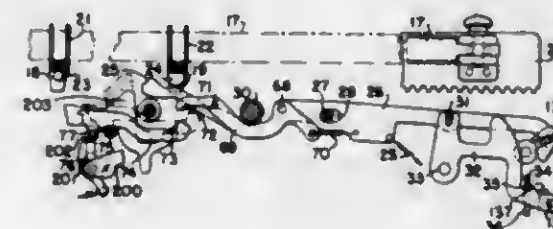
1. In a machine of the class described, the combination of power means for giving the machine cycles of operation; a registering mechanism including a plurality of add-subtract totalizers for receiving and accumulating positive and negative amounts, and another totalizer which is normally maintained in a cleared condition and which is capable of receiving negative amounts; total-taking control means for causing a total to be taken from any one of said add-subtract totalizers; normally ineffective overdraft control means for conditioning the machine to perform two continuous and uninterrupted cycles of operation; a device operated by the power means; positionable means connected to said device and constructed and arranged to coast with said overdraft control means, said positionable means normally out of coasting relationship with said overdraft control means;

means to move the positionable means into co-acting relationship with the overdraft control means to cause said overdraft control means to be rendered effective by the device when said device is operated by the power means; and means rendered effective by the overdraft control means to cause a total taken from any one of said add-subtract totalizers to be subtracted from said other totalizer during the first cycle of operation, and to cause a total to be taken from said latter totalizer during the second cycle of operation.

2,626,750

CARRIAGE OPERATED CONTROLLING MECHANISM FOR ACCOUNTING MACHINES

Raymond A. Christian, Herbert C. Johnson, and Paul H. Williams, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 27, 1951, Serial No. 233,868
7 Claims. (Cl. 235-60.49)



1. In a machine of the class described, having a traveling carriage mounted thereon for tabulating movement and having an add-subtract totalizer, the combination of a device to operate the machine; means to drive the machine operating device; normally ineffective means to connect the machine operating device to the driving means; means including a releasable latch to render the connecting means effective; an element connected to the releasable latch; means controlled by the carriage in predetermined columnar positions and coacting with the element to release the latch to render the connecting means effective; means effective each machine operation to move the element out of coacting relationship with the means controlled by the carriage and back into coacting relationship with said means; means controlled by the add-subtract totalizer when overdrawn to retain the element out of coacting relationship with the means controlled by the carriage; and means including a slide operatively connected to the means controlled by the carriage, said slide movable by said means controlled by the carriage when said carriage is tabulated to certain of said predetermined columnar positions into coacting relationship with the element to cause said element to release the latch to render the connecting means effective.

2,626,751

GAS DISCHARGE TUBE COUNTING ARRANGEMENT

Alfred John Mullarkey, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

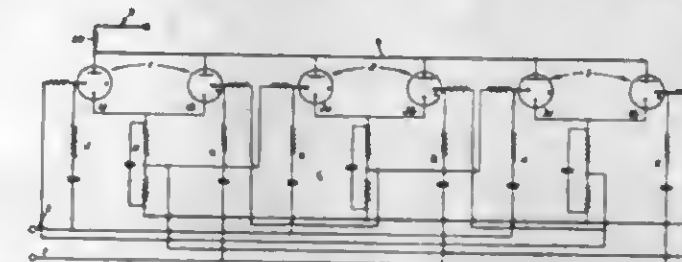
Application June 4, 1949, Serial No. 97,140

In Great Britain June 11, 1948

10 Claims. (Cl. 235-92)

10. A device for counting electric pulses received from a first source of pulses and for counting in a reverse direction electric pulses received

from a second source of pulses comprising a plurality of discharge paths arranged in a train, discharge control means associated with each of said paths, certain of said control means coupled to said first pulse source and other of said control means coupled to said second pulse source, single circuit means common to said discharge paths to allow conductive operation of but one of said discharge paths at a time, separate means coupling each of said discharge paths with the discharge control means associated with the discharge

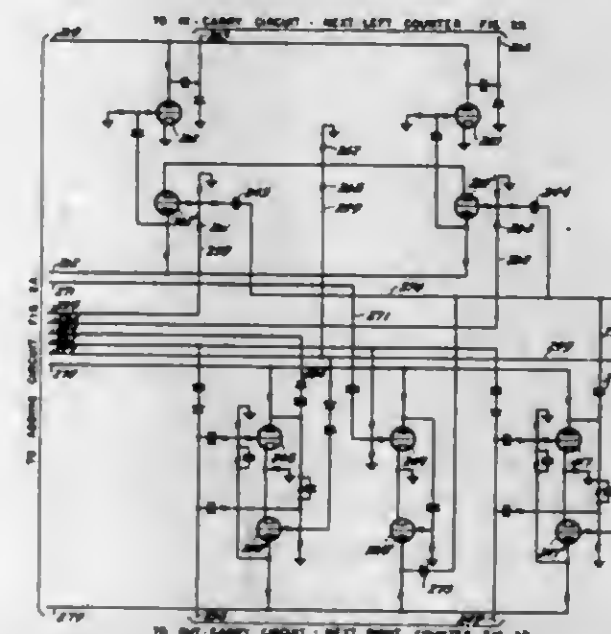


paths in said train adjacent each said discharge path, said circuit means common to said discharge paths adapted to extinguish the conductive operation of a preceding path upon the conductive operation of a conditioned path, whereby received pulses from said first source will cause sequential conductive operation of the discharge paths in said train in a given direction and received pulses from said second source will cause sequential conductive operation of the discharge paths in said train in the reverse direction.

2,626,752

CARRY DEVICE FOR ELECTRONIC CALCULATORS

Samuel B. Williams, Chevy Chase, Md., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application November 23, 1949, Serial No. 128,985
23 Claims. (Cl. 235-133)



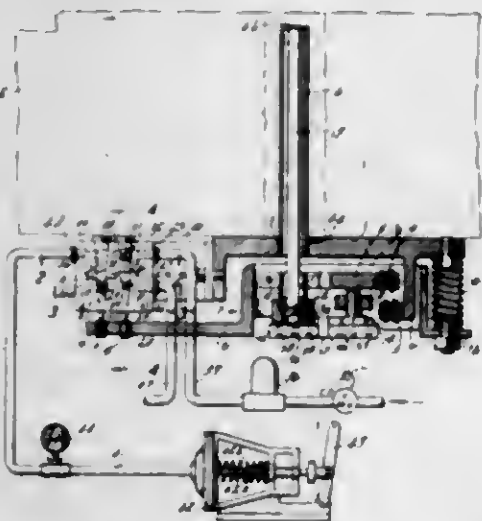
1. In a carry device for an accumulator comprising a plurality of counters, one for each denominational order, and a control circuit for each counter to indicate when addition has been completed in that order, the combination of a "carry-of-one" conductor and a "carry-of-zero" conductor connecting adjacent orders; a first means controlled by the counter of one denominational order for registering a requirement of a "carry-of-one" to the next higher order when the addition in said one order exceeds a predetermined amount or for registering a requirement of a "carry-of-zero" to the next higher order when

the addition in said one order does not exceed said predetermined amount; a second means coupled to the "carry-of-one" conductor and the "carry-of-zero" conductor from the next lower order and to the control circuit for said one order and operable upon receipt of a signal over one of the conductors from the lower order and a signal from the control means; and a third means controlled by the first means and operated by the second means for sending a signal over the appropriate one of the conductors to the higher order according to the "carry-of-one" or "carry-of-zero" requirement registered by the first means.

2,626,753

THERMOSTAT

Donald G. Merrill, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application May 27, 1950, Serial No. 164,758
8 Claims. (Cl. 236—37)



1. A thermostat comprising a fluid pressure supply line for conducting fluid pressure from a source of supply to a fluid pressure motor, a fixed restriction in the supply line defining a primary restricted orifice therein, a fluid pressure exhaust line operatively connected to the supply line between the primary orifice and said motor, a fixed restriction defining a secondary restricted orifice in said exhaust line, a valve in said exhaust line adapted when closed to shut off exhaust of fluid pressure from the supply line through the exhaust line and to permit such exhaust when opened, a thermo-responsive element, means responsive to said thermo-responsive element to control the opening and closing of said valve, and a second exhaust valve and connections with the supply line and exhaust line by-passing said first valve and said secondary restricted orifice.

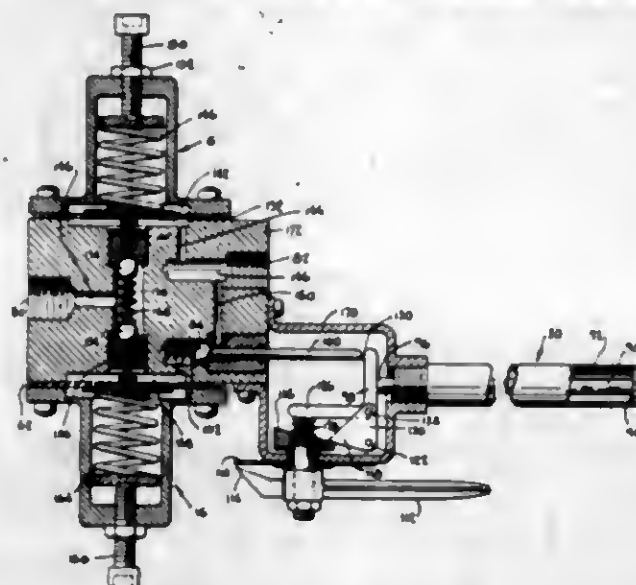
2,626,754

TEMPERATURE CONTROL SYSTEM

Melvin J. Parker, New York, and Alexander J. Turpin, Stewart Manor, N. Y., assignors to Hauck Manufacturing Co., Brooklyn, N. Y., a corporation of New York
Application November 2, 1950, Serial No. 193,672
12 Claims. (Cl. 236—92)

1. A temperature control system for controlling the flow of a heating fluid from a variable pressure source, said system comprising a first automatic pressure regulator connected to said source and set for a relatively low pressure, a second automatic pressure regulator connected to said source and set for a relatively high pressure, a temperature responsive element subjected to the

temperature to be controlled, means responsive to said element to make the second pressure regulator operative or inoperative, and means con-

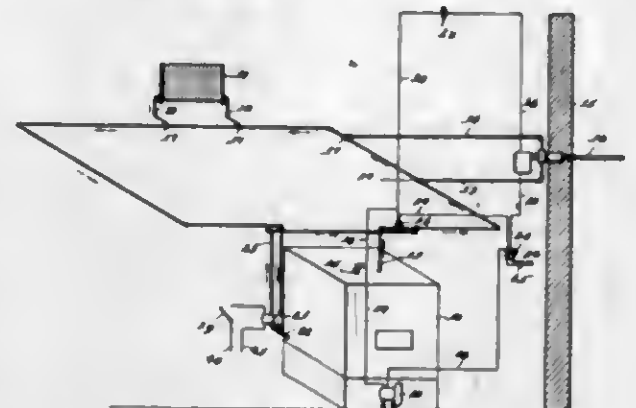


necting both regulators to the unit using the heating fluid, whereby the fluid is delivered alternately at low and high pressure in such increments as will tend to maintain the desired temperature.

2,626,755

HEATING SYSTEM WITH OUTDOOR CONTROL

Edwin B. Tidd, Mount Prospect, Ill., assignor to Bell & Gossett Company, Morton Grove, Ill., a corporation of Illinois
Application June 24, 1947, Serial No. 756,615
8 Claims. (Cl. 237—8)



1. In a heating system for a building, the combination of a reservoir of heating medium, a circulating system connected to the reservoir for distributing the medium to the space to be heated, firing means for the reservoir, an outside wall forming part of the building, a heat conducting casing extending through the wall with its inner and outer ends respectively exposed for heat conditioning by the medium and outdoor weather, means for slidably mounting the casing in the wall to thereby vary the extent of heat loss from the inner to the outer end of the casing, and means responsive to variations in length of the casing effected by the conditioning thereof for determining the operation of the firing means.

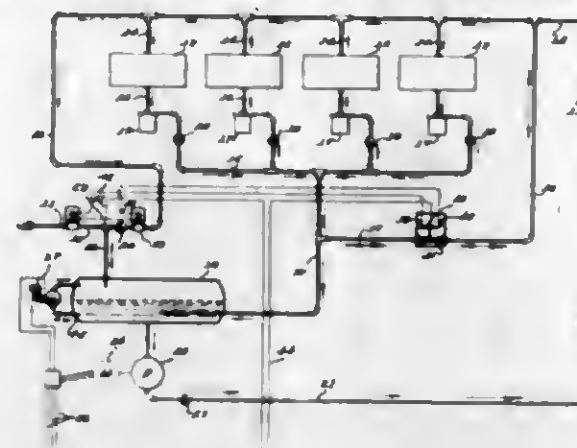
2,626,756

PRESSURE DIFFERENTIAL CONTROL SYSTEM FOR CLOSED STEAM BOILER RETURN SYSTEMS

Alva G. Arbogast, Charleston, W. Va.
Application September 1, 1950, Serial No. 182,788
5 Claims. (Cl. 237—9)

1. A steam utilization system comprising a boiler, a steam utilization device, a condensate

collecting chamber, conduit means connecting said boiler, utilization device and chamber to define a closed system, a vent valve connected to said chamber, additional conduit means connecting the high pressure side of the boiler to said chamber, a second valve in said additional con-

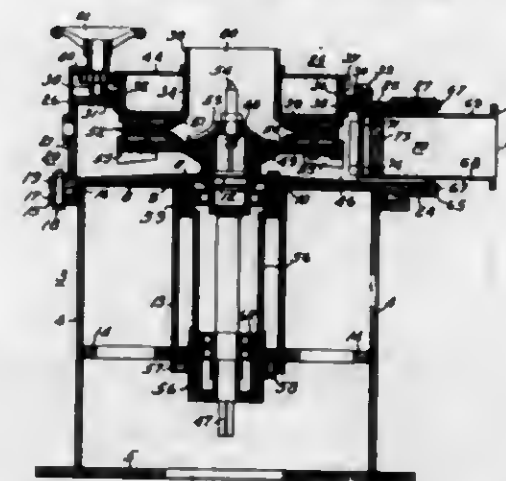


duit means, and a pressure responsive device connected across said utilization device and arranged to selectively control said valves in accordance with variations of the difference in pressure across said utilization device and being further arranged to maintain a substantially constant difference in pressure.

2,626,757

ATTRITION MILL

Ernest C. Shaw, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 22, 1949, Serial No. 72,158
8 Claims. (Cl. 241—60)



1. In an attrition mill comprising in combination, wall means forming a grinding chamber, relatively rotatable grinding plates disposed in grinding relationship within said chamber, a spout on said chamber, means associated with said spout for providing a radial extension of said spout, means within said spout and said radial extension for guiding ground stock from said chamber, and means provided in said spout and said radial extension for admitting air to said chamber through said spout.

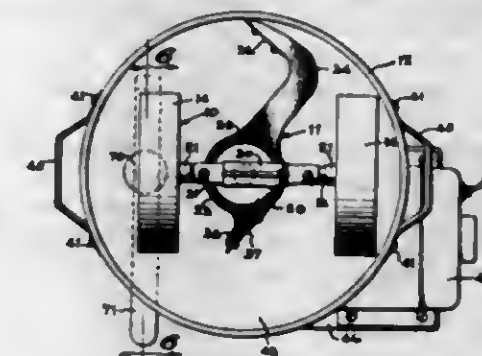
2,626,758

MULLING MACHINE

John A. Scarlett, Cincinnati, Ohio
Application November 30, 1950, Serial No. 198,355
3 Claims. (Cl. 241—124)

1. In a mulling machine, muller means comprising a muller wheel assembly, said assembly including a pair of muller wheels and a cross shaft, said wheels rotatably journaled at the respective ends of the cross shaft, a scraper blade

carriage, said carriage including a hub portion and a pair of scraper blade supporting arms extending from opposite sides of the hub portion, a vertically disposed drive shaft, said shaft adapted to receive the carriage and assembly in vertically slidable driving relationship in which the assembly is above and spaced from the car-

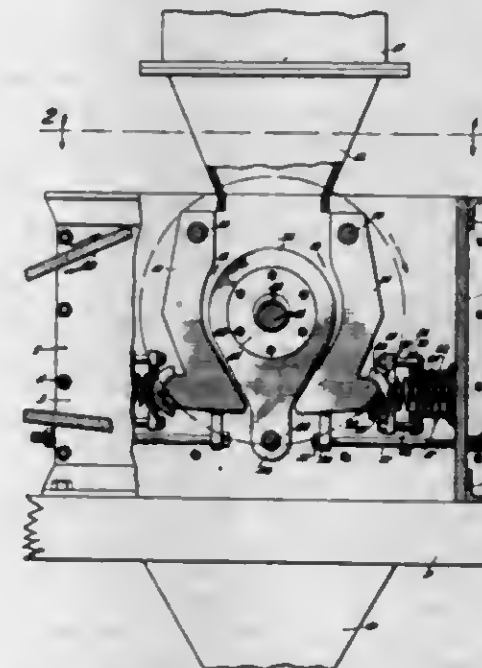


riage and the scraper blade supporting arms are spaced circumferentially with respect to said muller wheels, and a cup member adapted to engage over the upper end of the drive shaft and rest upon said cross shaft, said cup member adapted to receive weighty objects whereby the weight of the objects is transmitted through the cross shaft to the muller wheels.

2,626,759

JAW CRUSHER

Hiram L. Barber, Newton, and George L. Sellars, Milford, Ohio
Application May 7, 1949, Serial No. 92,016
2 Claims. (Cl. 241—140)



1. A crusher for disintegrating solid tangible materials such as torpedo gravel which comprises a pair of static jaw elements and a dynamic crusher element disposed between said jaw elements, said crusher element being generally inverted pear shaped in lateral cross section having a bulbous head portion and a comparatively narrow tail portion, said head portion presenting convexly curved surfaces at the opposite sides thereof to the respective jaw elements, the respective sides of the crusher element below the head portion thereof, tapering progressively inwardly downwardly to said tail portion, an eccentric rotatable drive member adapted to impart gyratory motion to the head portion of the crusher element about the longitudinal central axis thereof, means for directing the tail portion of the crusher element in straight line move-

ment along a path generally coinciding with the axis between the head and tail portions of the crusher element, the respective jaw elements at the opposite sides of the crusher element configured to present surfaces to the crusher element generally complementing the contours of the respective sides of the crusher element, including concavely curved surfaces at the opposite sides of the bulbous head portion of the crusher element which converge toward and extend around the upper side portions of said bulbous head portion, and delineating therewith downwardly converging throats within which material is subjected to impact blows adjacent the bulbous head portion of the crusher before being subjected to shearing blows adjacent the tail portion thereof upon gyration of the dynamic crusher element.

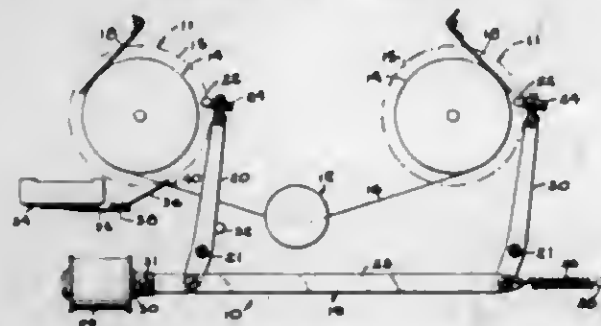
2,626,760

PROTECTIVE DEVICE FOR MAGNETIC RECORDERS

Lloyd E. Chick, Chicago, Ill.

Application April 7, 1949, Serial No. 86,084

2 Claims. (Cl. 242-54)



1. In a magnetic recorder having a recording head and a pair of reels adapted to store thereon a recording medium, said recorder also having electrically driven drums for rotating said reels and thereby effecting the transfer of said recording medium under tension from one reel to the other, the combination comprising a pivotally mounted brake linkage associated with said drums, said linkage having an engaged position and a disengaged position, a biasing spring adapted to urge said brake linkage toward its engaged position, a solenoid having an armature attached to said brake linkage, said solenoid when energized being adapted to maintain said linkage in its disengaged position in opposition to the force of said spring means, a control switch actuable in response to loss of tension in said recording medium, said switch being interposed in the power supply circuit of said solenoid and said recorder, a swingable actuating arm on said control switch, and a non-magnetic extension rigidly fixed to said actuating arm and disposed so that it bears transversely against said recording medium and substantially parallel to the general plane of said reels when said medium is under tension, said extension being electrically insulated from said actuating arm.

2,626,761

HOLDER FOR TOILET PAPER IN WEB FORM

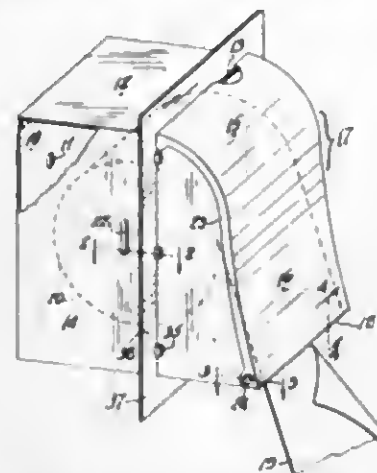
Lynn L. Simpson and Stephen E. Weakland, Portland, Oreg., assignors to Charles F. Hoffer, Portland, Oreg., assignors to Charles F. Hoffer Enterprises, Inc., Los Angeles, Calif.

Application March 9, 1951, Serial No. 214,884

4 Claims. (Cl. 242-55.5)

1. A holder of the class described comprised of a box adapted to be recessed into a wall space having the sides thereof extending into the room, the lower portion thereof extending farther into the room than does the upper portion, a closure

hinged to the lower ends of said sides at their corner of greatest projection, the front of the bottom of said box sloping upwardly beneath the projecting lower side portions and turning downwardly parallel with and spaced from said closure the lowermost portion of said bottom being



horizontal, and a shoe pivotally mounted on the sloping portion of said bottom having a downturned flange extending into the space between said downturned bottom portion and said closure whereby the weight of said shoe shall urge said downturned flange towards said closure.

2,626,762

BOBBIN DEVICE

Carl S. Zick, Ripon, Wis.

Application July 24, 1947, Serial No. 763,335

5 Claims. (Cl. 242-96)



1. A bobbin device comprising, in combination, an elongated frame having spaced parallel longitudinal side members connected at opposite ends by cross members, the cross member at one end being bent inwardly between said side members to define a recess for receiving the successive turns of a line of material wound endwise about said frame, the cross member at the other end comprising diagonally intercrossing elements in side engagement and then struck outwardly to provide normally contacting yieldable prongs defining the sides of an external loop, said prongs being separable in the general plane of said frame to receive and pass said turns either into or out of said loop.

2,626,763

CLOTHESLINE REEL AND TIGHTENER

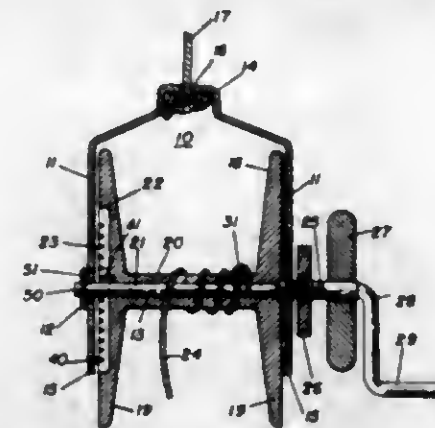
William M. Dunnock, Baltimore, Md.

Application August 29, 1950, Serial No. 182,067

2 Claims. (Cl. 242-102)

1. A clothes line reel and tightener comprising a yoke having bifurcated arms, a shaft extending through the said arms, means for securing the shaft to one of said arms, a reel having a hollow hub mounted on said shaft, said reel having end disc walls and one of said disc walls having a recess therein between the said disc wall

and the adjacent arm of the yoke, a coil spring housed in said recess, said spring being anchored at one end to the last mentioned disc wall and its opposite end anchored to the last mentioned



arm of the yoke, means on the shaft adjacent the other disc wall for adjustably binding the reel and the yoke, and a rope secured to the aforesaid hub and rotatable therewith.

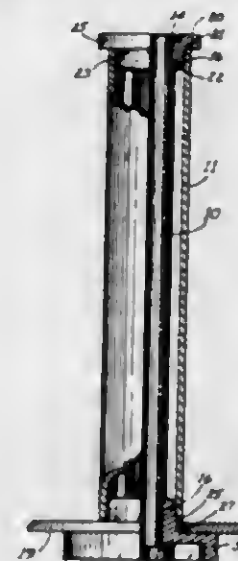
2,626,764

TEXTILE BOBBIN

Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, a corporation of South Carolina

Application December 10, 1945, Serial No. 633,998

7 Claims. (Cl. 242-124)



1. A textile bobbin assembly comprising an inner tubular member forming a spindle bushing, an outer tubular member forming a bobbin barrel, a disk member adapted for engagement with the driving lugs of a spindle whorl, said inner tubular member having external ribs set up adjacent an end and said disk member having corresponding serrations formed in a central aperture thereof, said ribs and serrations releasably interlocking to secure said disk member against turning when assembled on said inner tubular member, and means for demountably assembling said disk member and said outer tubular member on said inner tubular member.

2,626,765

WIRE GUIDING DEVICE

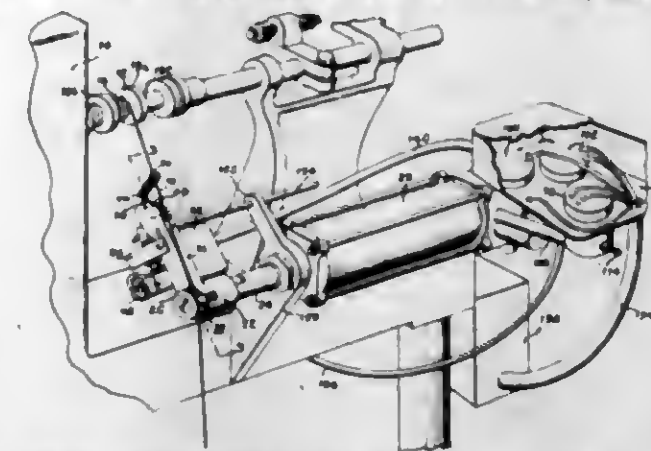
John M. Biddison, Dayton, Ohio, assignor to Harry W. Moore, Dayton, Ohio

Application January 27, 1951, Serial No. 208,146

14 Claims. (Cl. 242-158)

1. A wire guiding device for use with a reeling mechanism, said wire guiding device including a

carriage mounted for to and fro movement, said carriage having an idler over which the wire is fed, a pivotally mounted guide arm mounted on the carriage, said guide arm having an opening through which the wire passes, said guide arm being deflected in response to the angular displacement of the wire with respect to the carriage, means for actuating the carriage, said means including a piston and a cylinder, the pis-



ton being connected to a piston rod used in actuating the carriage, fluid for actuating the piston, and control means for controlling the supply of fluid to the cylinder to thereby cause movement of the carriage, said control means being responsive to the angular position of the guide arm to thereby actuate the piston in response to the angular direction that the wire forms with respect to the carriage.

2,626,766

ROTOR ARRANGEMENT FOR SINGLE-ROTOR HELICOPTERS

John E. McDonald, Newton, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 9, 1947, Serial No. 773,021

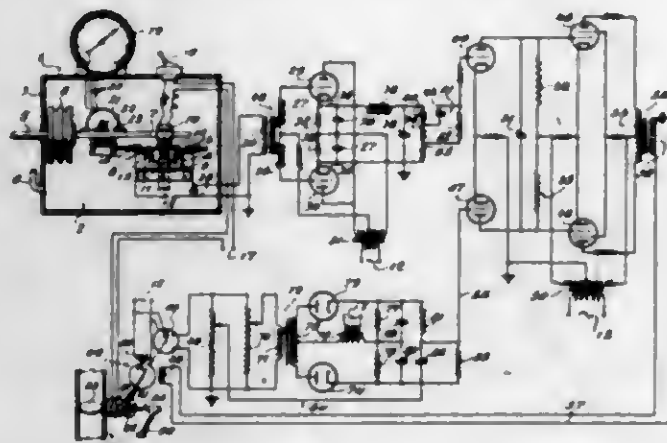
4 Claims. (Cl. 244-17.11)



2. An aircraft having a fuselage, a rotor which both lifts the aircraft and propels it horizontally, power means connected to said rotor for driving purposes, axis structure fixed to the fuselage and supporting said rotor, said rotor including a hub and a plurality of blades, each blade being mounted with respect to said hub for pitch change motions about the longitudinal axis of the blade and for flapping motion about a horizontal pivot offset from the fixed rotational axis of the hub a distance at least two and one-half percent of the rotor radius, control linkage to each blade to provide for cyclic blade pitch movements, said aircraft having its center of gravity longitudinally offset from the fixed rotational axis, this combination of fixed axis location with respect to the center of gravity, offset pivots and pitch control providing for a hovering flight condition in which the lift vector lies between the fixed rotational axis and the center of gravity, and the centrifugal blade moment applied through the fixed axis balances the longitudinal moment from the offset between the lift vector and the center of gravity.

2,626,767

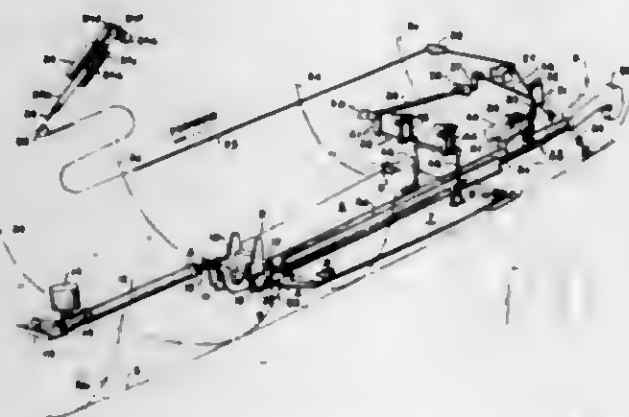
AUTOMATIC SPEED CONTROL SYSTEM
Richard N. Bromley, Philadelphia, Pa., assignor to The Sperry Corporation, a corporation of Delaware
Application January 24, 1947, Serial No. 724,020
18 Claims. (Cl. 244-77)



1. A control system for aircraft speed control comprising an air speed measuring means, a pick-off associated therewith for supplying a signal dependent on deviation in air speed of the craft from a selected air speed value, a throttle valve for controlling the air speed of said aircraft, a servomotor connected to operate said throttle valve, means for supplying a signal proportional to servomotor speed, means for integrating said speed signal to provide an integration signal substantially proportional to a time integral of the speed signal but gradually decaying whereby it may go to zero when the motor speed goes to zero, and means for controlling said servomotor in accordance with the difference between said signals.

2,626,768

AIRCRAFT ARRESTING GEAR
Robert F. Shank, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application November 9, 1948, Serial No. 59,064
18 Claims. (Cl. 244-110)



1. In an aircraft structure, an arresting gear including an arresting hook pivotally attached to the aircraft structure and fairing means separately mounted upon the aircraft structure for fairing said arresting hook in its retracted position, manually controlled means operatively associated with said arresting hook and operatively connected to said fairing means for moving said fairing means inwardly of said aircraft structure as said arresting hook is released for dropping therefrom into an operative extended position.

2,626,769

AIRPLANE INSECTICIDE SPRAYING AND DUSTING APPARATUS
Frank J. Wadman, Yakima, Wash.
Application July 30, 1948, Serial No. 41,496
2 Claims. (Cl. 244-136)



2. In an airplane including a fuselage having a material distributing device arranged longitudinally of said fuselage and dependently supported from the latter, a hopper positioned above and spaced from said distributing device for the reception of a powdered insecticide therein, a vertically disposed throat member rectangular in cross section interposed between said distributing device and said hopper and having one end in communication with said distributing device and having the other end in communication with said hopper, agitating means arranged transversely of said throat member adjacent the point of communication with said distributing device and rotatably mounted on said throat member, and power means operatively connected to said agitating means for effecting rotation of the latter to thereby keep said powdered insecticide in a loosened condition as it gravitates downwardly for distribution by said distributing device, said agitating means comprising a horizontally disposed shaft extending between the end walls of said throat member and rotatably journaled therebetween, a first group of spaced main agitating teeth disposed transversely of and projecting from said shaft contiguous to one side thereof and having one end secured thereto and having the other end terminating contiguous to and spaced from the adjacent side wall of said throat member, a second group of spaced main agitating teeth disposed transversely of and projecting from said shaft contiguous to the other side thereof and having one end secured thereto and having the other end terminating contiguous to and spaced from the other side wall of said throat member, and an auxiliary agitating tooth interposed between adjacent main agitating teeth of said first and second groups and each having one end secured to said shaft and having the other end terminating contiguous to and spaced inwardly of said other ends of said main agitating teeth.

2,626,770

FISHING ROD HOLDER
Thomas C. Norman, San Francisco, Calif.
Application August 25, 1950, Serial No. 181,345
2 Claims. (Cl. 248-40)

1. A holder for securing a fishing rod in generally horizontally extending fishing position from its handle end comprising: a pair of U-shaped members spaced apart and correspondingly positioned with the legs of each member extending horizontally one above the other and with their open sides directed laterally in the same direction, the spacing between the legs of each member being sufficient to freely receive said end of said pole therebetween and said legs being of sufficient length to fully extend across opposite sides of said pole at said end, a support for said members, pivot means for pivotally se-

2,626,772

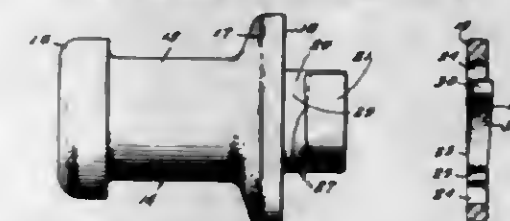
SUPPORT
Laurence H. Flora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 18, 1949, Serial No. 105,409
13 Claims. (Cl. 248-239)



12. A shelf support mounting comprising a supporting wall having an opening therein, a clip in said opening comprising a sheet metal body bent to define a base having a bolt passage and a pair of spaced spring arms extending from said base and retaining the clip in said opening, a head member attached to said base of the clip between said spring arms and received in said opening in said supporting wall, and a bolt shank connected to said head member extending through said passage in the base of the clip in the opposite direction from said spring arms, and a shelf supporting device on said bolt shank.

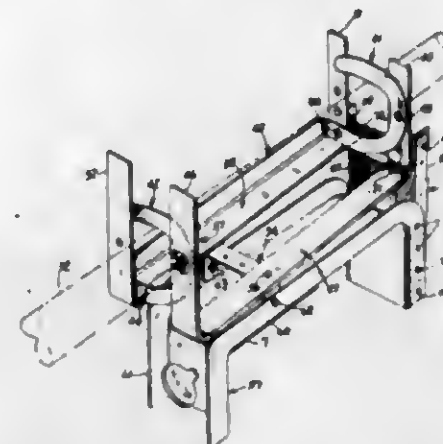
2,626,773

SHELF SUPPORT
Rodger J. Backman, Rockford, Ill.
Application September 11, 1950, Serial No. 164,185
6 Claims. (Cl. 248-239)



1. In a shelf support, the combination of a supporting wall formed with an aperture for the reception of a support bracket, said wall being formed with spaced cut away portions extending radially outward from the periphery of the aperture and separated thereat by solid wall portions of substantial extent, said solid wall portions each being depressed progressively rearwardly from the plane of the supporting wall in one direction angularly about the aperture, and a support bracket formed with an enlarged transverse shoulder presenting a flat inner face to engage the front face of the supporting wall, a shank extending rearwardly from the shoulder and dimensioned to pass freely through the aperture in the supporting wall, and spaced enlarged transverse lugs of substantial extent at the rear end of the shank dimensioned to pass freely through said cut away portions extending from the aperture in the supporting wall, said lugs at their inner faces adjacent said flat face on the shoulder being inclined progressively rearwardly at substantially the same angle as said solid wall portions around the aperture in the supporting wall, the inner face on each supporting lug at one point thereon intermediate its rearward inclination being spaced from said flat face on the shoulder by a distance equal to the thickness of the supporting wall and being operative to exert a clamping force over a substantial extent of the corresponding solid wall portion of the supporting wall when the bracket is inserted into said aperture and turned angularly in the direction of the rearward inclination of said solid wall portions.

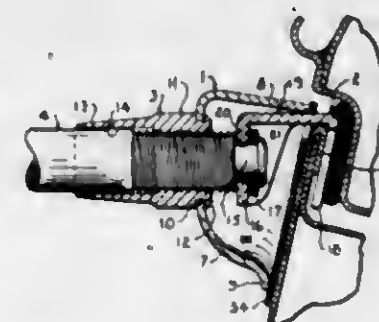
curing said members to said support at the return bends of said members for swinging said legs to generally vertically extending positions with said open sides of said members directed upwardly when said handle end of said pole is between the legs of said member and is lifted whereby said handle end may be freely lifted



from said members, and means connecting said members for swinging as a unit, means carried by said support extending across said open sides of said members when the legs of the latter extend horizontally and said handle end of the pole is between said legs to prevent lateral movement of said handle end through said open sides.

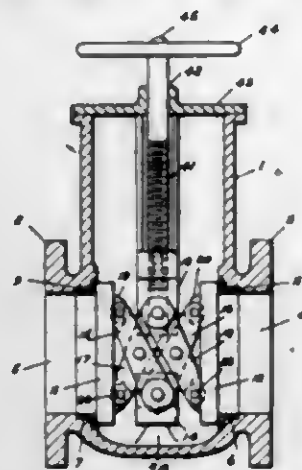
2,626,771

ACCESSORY BRACKET
Fred A. Krohm, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application July 8, 1948, Serial No. 37,541
1 Claim. (Cl. 248-226)



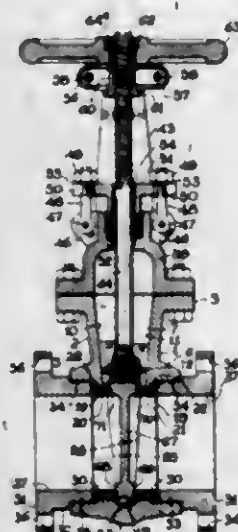
A clamp assembly for supporting an accessory on a support comprising a shell-like jaw member having marginal edges for cooperation with the outer side of a support and an outer portion spaced outwardly from said marginal edges, a second jaw member having an inner portion for cooperation with the inner side of a support and an outer portion spaced from said inner portion, an internally threaded sleeve immovably secured to the outer portion of one of the jaw members, an accessory supporting shaft rotatably mounted in said sleeve having threads engaging the threads on the sleeve, resilient means, said shaft having a reduced portion extending through the resilient means and also having an abutment, the arrangement being such that when the jaw members are operated by rotating the shaft, the resilient means will be forced against the abutment to distort the resilient means so that the inner portion of the second jaw and the marginal edges of the shell-like jaw will resiliently clamp a support therebetween.

2,626,774
GATE VALVE AND VALVE OPERATING MECHANISM THEREFOR
 Charles E. Palmer, Erie, Pa.
 Application January 10, 1948, Serial No. 1,524
 8 Claims. (Cl. 251-67)



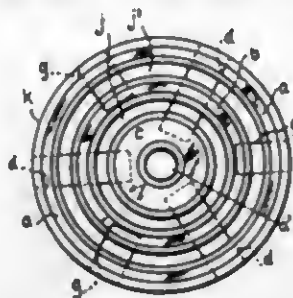
1. A gate valve comprising a cylindrical valve body having laterally extending, opposed, aligned apertures defining an inlet and an outlet for fluid, opposed, parallel valve disks adapted to sealingly engage said inlet and said outlet, axially spaced, relatively movable yokes in said cylindrical body, parallel cross links spaced from each other laterally and engaging the upper and lower portions of the inner sides of each of said valve disks, the inner ends of each of said cross links being connected to said upper and said lower yoke, opposed guiding members on the inner side of said valve body having vertically extending, grooved guide channels with tapered sides, tapered rollers carried by said yokes and movable in said tapered grooves in said guiding channels, and means for moving said yokes vertically.

2,626,775
VALVE
 Frederick J. Lange, Parma, and Frank H. Temple, Cleveland, Ohio; said Lange assignor to said Temple
 Application August 21, 1948, Serial No. 45,486
 4 Claims. (Cl. 251-167)



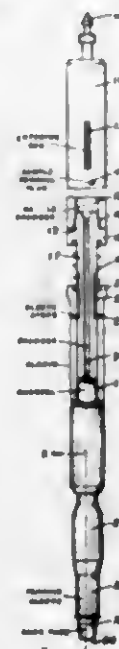
1. In a gate valve of the character described, a valve body having openings therein, gate seat sleeves disposed in said body openings, said sleeves having recesses therein, and means comprising a spring of V-shaped form, disposed in the bottom of said valve body, and having end portions disposed within said recesses, whereby to lock said sleeves against displacement circumferentially relatively to said body openings.

2,626,776
VALVE SEAT
 Stephen F. Martineau, Birmingham, England
 Application October 2, 1950, Serial No. 187,950
 In Great Britain July 7, 1950
 1 Claim. (Cl. 251-167)



An inherently rigid valve seat comprising a separate and inherently rigid centre-piece, a first ring of greater internal diameter than the external diameter of the centre-piece, a second separate and inherently rigid ring of greater internal diameter than the external diameter of the first ring, the centre-piece having blind peripheral pockets in radial alignment with complementary holes in each of the said rings, the said first ring having blind holes in its external periphery in radial alignment with complementary additional holes in said second ring, one system of separate and inherently rigid pins extending through holes in both the said rings into engagement with the complementary pockets in the centre-piece, and a second system of separate and inherently rigid shorter pins extending through the additional holes in the said second ring into engagement with the blind holes in the said first ring, the centre-piece and rings being located in concentric, relatively rigid and radially spaced relationship.

2,626,777
SIDE WALL SAMPLING DEVICE
 Martin E. True, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
 Application April 17, 1950, Serial No. 156,327
 5 Claims. (Cl. 255-1.4)



4. A device for taking a fluid sample and a core from the sidewall of a borehole through a drill stem comprising, in combination, an elongated body defining a sample chamber, a tubular section provided with a passageway communicat-

ing at an upper end with said chamber, a pivot member having a passageway communicating with a lower end of the passageway in the tubular section, a sleeve slidably surrounding said tubular section, said tubular section being adapted to move downwardly with respect to said sleeve, a core head pivotally attached to said tubular section by said pivot member, a valve enclosed by said core head communicating with the passageway in the pivot member, a core tube provided with a knife edge on a lower end carried by said core head adapted to communicate with said chamber, an annular deformable sleeve provided with a flexible metal stiffener surrounding said core tube adapted to provide a seal between an exterior surface of the core tube and the wall of the borehole on penetration thereof by the core tube on setting down weight on the drill stem, said valve being opened by downward movement of the drill stem and penetration of the wall of the well bore by the core tube, and a tension member attached to said elongated body and said core head adapted to bias said core tube from the longitudinal axis of said device on downward movement of said tubular section relative to said sleeve.

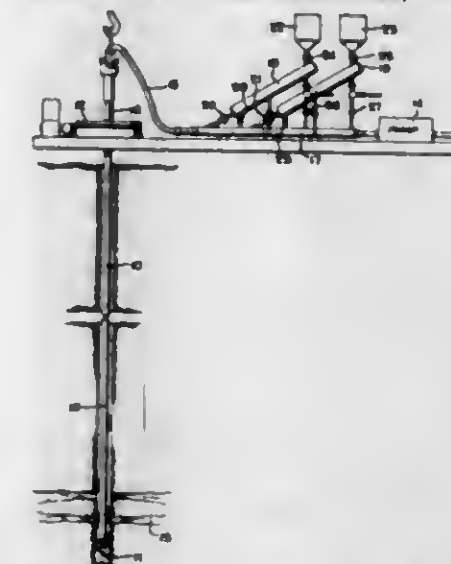
2,626,778
METHOD AND MEANS FOR EXCLUDING WATER PENETRATION INTO WELL BORES
 John R. Lockett, Columbus, Ohio
 Application May 15, 1948, Serial No. 27,264
 8 Claims. (Cl. 255-1.8)



8. The method of sealing well bores undergoing drilling against undesired water entry, which comprises: depositing on the bottom of a well bore, when a water-bearing formation is penetrated, a solidifiable body of plastic composition; also, positioning in the well bore for deposit on the bottom thereof a tubular vertically positioned liner assembly having an intermediately disposed expansible packer section; expanding the packer section to cause the same to engage directly adjoining wall surfaces of the well bore above said water-bearing formation; producing in and around the upper part of said liner assembly on and above said packer section a second solidifiable body of plastic composition; thereafter removing the solidified portions of said bodies originally positioned in said liner assembly, whereby to produce in the latter an unobstructed passage suitable for the passage of tools used in the continuance of further drilling operations.

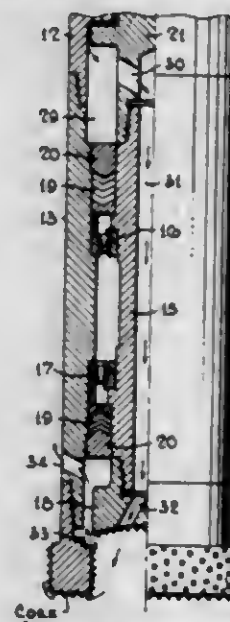
666 O. G.-68

2,626,779
METHOD OF RECOVERING LOST CIRCULATION OCCURRING IN PRODUCTIVE STRATA IN WELLS
 Arthur L. Armentrout, Long Beach, Calif.
 Application December 16, 1949, Serial No. 133,387
 3 Claims. (Cl. 255-1.8)



2. The method of recovering lost circulation in a drilling well wherein the circulation has been lost into a productive stratum which consists of introducing into the circulation fluid screened sand and gravel having a minimum size larger than the size of the perforations in the liner subsequently to be installed in the well, thereafter introducing into the circulation fluid diatomaceous earth to form a filter cake for the deposit thereon of the mud sheath produced by the circulation fluid and on completion of the well installing the liner and bailing down the well causing the mud sheath and diatomaceous earth to enter the liner and be removed from the well and the sand and gravel to be retained in the well by the liner whereby the sand and gravel left in the well will not impede the flow of fluid from the productive formation into the well.

2,626,780
DOUBLE-ACTING DRILL BIT
 John E. Orloff, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
 Application June 6, 1951, Serial No. 230,177
 4 Claims. (Cl. 255-4)



1. A drill bit assembly comprising an elongated tubular case attachable to the lower end of a drill

pipe, a coring head held by the lower end of said case, said coring head having a central opening for receiving a core, a plurality of abrasive particles held by said coring head, a tubular shaft disposed within said case lengthwise thereof and defining with the interior wall of said case an annular chamber, bearings in said annular chamber rotatably supporting said tubular shaft, sealing means in said annular chamber isolating said bearings from fluid in said chamber, secondary cutting means fixed to the bottom of said tubular shaft above said coring head adapted to grind up a core entering said central opening, turbine drive means in said case attached to said shaft and adapted to rotate the same and provided with at least one entering port communicating with said drill pipe and with at least one exit port terminating within said tubular shaft.

2,626,781

COMBINATION JAR AND SAFETY JOINT

Elmer S. Reynolds, Houston, Tex., assignor to Houston Oil Field Material Company, Inc., Houston, Tex., a corporation of Delaware
Application December 22, 1947, Serial No. 793,227
10 Claims. (Cl. 255-27)

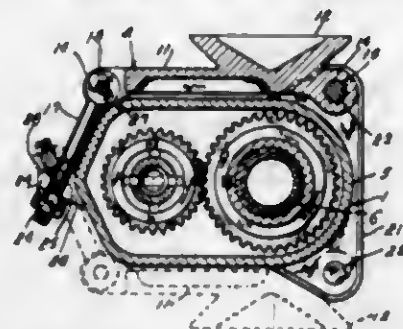


1. A combination jar and safety joint comprising, a tubular body, longitudinal grooves on the inner portion of and extending substantially the length of such body, an internal shoulder in said body formed at one end thereof, a stem adapted to be secured to a string of pipe, a mandrel extending from said stem into said tubular body, said mandrel having a threaded length intermediate its ends, a reduced diameter section comprising a lower section of said mandrel, a tubular hammer element having keys formed on the outer surface thereof to slide in said grooves, thread means on the inner surface of said tubular hammer threaded on the threaded length of such mandrel, a member affixed to the other end of said tubular body having an anvil surface for closing the other end of such tubular body, and shearable connecting means on said body and said stem for rigidly connecting said body and said stem as a unit, upward movement of said stem serving to shear said connecting means so that said hammer element may be brought into upward impact with such internal shoulder in said body, and downward movement thereafter of said stem serving to bring said tubular hammer into impact with said member, said stem being rendered separable from said body by rotation to unthread said threaded length of said mandrel from said hammer element.

2,626,782

REVERSIBLE MOUNTING FOR DRILLING APPARATUS

Robert A. McCallum, Clarendon Hills, Ill., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Original application October 16, 1944, Serial No. 558,846. Divided and this application February 10, 1948, Serial No. 75,667
11 Claims. (Cl. 255-53)

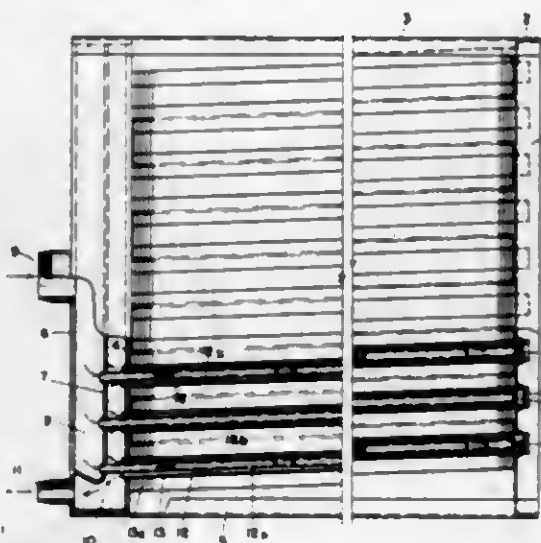


1. Supporting means for a drilling apparatus comprising, in combination, a casing, flange portions projecting laterally from the casing of the drilling apparatus at one side of the latter, flange portions projecting laterally from the casing at the opposite side of the latter and having oppositely facing surfaces, a support member positionable at opposite sides of the casing between said first and second mentioned flange portions, means for pivotally connecting one end of said support member to said first mentioned flange portions when it is at either side of the casing, a bolt pivotally connected to the opposite end of said support member and receivable between said second mentioned flange portions, and means threaded on said bolt and engageable with said oppositely facing surfaces for clamping said support member to the casing.

2,626,783

HEAT EXCHANGER

Lawrence H. Fritsberg, Syracuse, N. Y., assignor to Aero-fin Corporation, Syracuse, N. Y., a corporation of New Jersey
Application October 26, 1949, Serial No. 123,650
7 Claims. (Cl. 257-146)



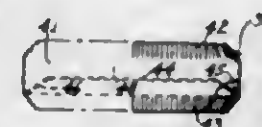
1. In heating apparatus containing a passage for an air stream to be heated, the combination of a supply header, means for supplying heating fluid to the inlet of the header, a return header for removing condensate, distributing tubes for the heating fluid in communication with the supply header and extending completely across the air passage in the heating apparatus, return

tubes, each return tube surrounding a distributing tube and being connected to the return header, said return tubes being closed at their ends remote from the return header, some of the distributing tubes having orifices therein spaced substantially longitudinally thereof and open ends for passage of heating fluid into the surrounding return tubes, other of said distributing tubes having at least one orifice substantially at the opposite ends only for passage of heating fluid into the surrounding return tubes.

2,626,784

MILK COOLER

Fred A. Hansen, Fond du Lac, Wis.
Application May 2, 1949, Serial No. 90,876
2 Claims. (Cl. 257-189)



1. A fluid distributing device adapted to be applied to a filled can having an upper necked filler opening portion to effect heat exchange between the contents of the can and the fluid distributed over and running down by gravity on the external surface of the can, said device comprising a sheet metal ring, the lower edge portion of said ring being crimped radially and tapered inwardly along its entire periphery to establish an inwardly tapered array of closely spaced radial corrugations, and an imperforate circular sheet metal plate of substantially the same diameter as the inner diameter of said ring above the corrugated portion secured to and extending transversely of said ring intermediate the upper and lower edge portions to thereby establish therein a receptacle for fluid above said plate and a fluid distributing portion below said plate, said plate being adapted to rest on top of the necked portion of said can for support of the plate and ring, said plate being tapered downwardly and including closely spaced peripheral drainage openings between the entire periphery of said plate and said ring for flow of fluid downwardly therethrough along the inner surface of said ring below said plate and discharge from the tapered lower edge portion of said ring onto the necked portion of said can in a substantially tubular film enveloping the necked portion of the can.

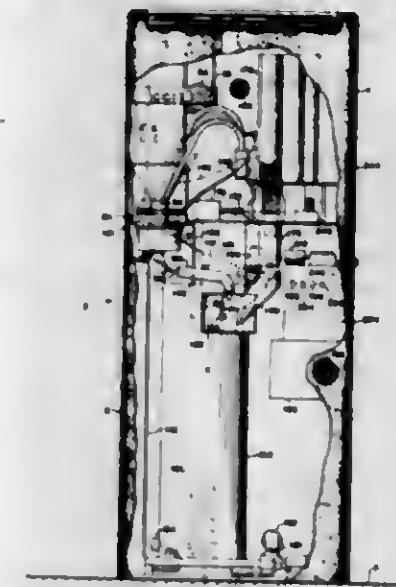
2,626,785

HEAT CONDUCTION ARRESTER IN AUTOMATIC BEVERAGE DISPENSERS

Leroy M. Lewis and Leroy M. Lewis, Jr., Rosemont, Pa., assignors to American National Dispensing Co., Lansdale, Pa., a corporation of Pennsylvania
Application January 2, 1951, Serial No. 203,872
4 Claims. (Cl. 257-212)

1. In a beverage vending machine, a mixing bowl having an outlet, a hot water supply tank, a water delivery conduit leading from said tank to said bowl, a storage receptacle, a passage connecting said bowl and said storage receptacle, a hot water jacket for heating said bowl and the lower portion of said passage, means to connect the hot water supply tank to said hot water

jacket to provide a continuous circulation of hot water through the jacket and means to insulate

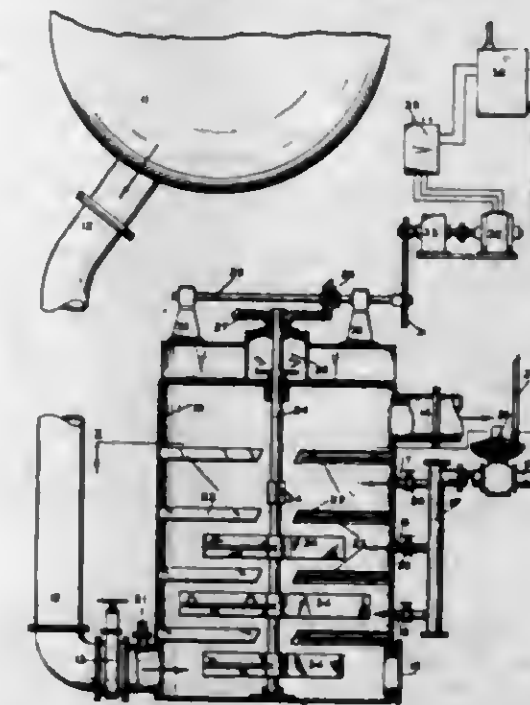


the storage receptacle from the heat in said bowl and said passage.

2,626,786

AUTOMATIC CONSISTENCY CONTROL MEANS

Leonard D. McGlothlin, Camas, Wash.
Application May 5, 1947, Serial No. 745,893
4 Claims. (Cl. 259-8)



1. In a consistency control device of the character described, a receptacle for a fluid suspension, an element rotated on a substantially vertical axis in said receptacle, means for delivering a diluting liquid to said receptacle, means for delivering the fluid suspension into the lower portion of said receptacle, means for withdrawing the fluid suspension from the upper portion of said receptacle, a series of paddle blades secured to said rotated element and spaced at different heights on said element, the forward faces of said blades in the direction of rotation of said element being substantially vertical, whereby said blades will produce rotation of the fluid suspension as an entire body in said receptacle with minimum agitation of the suspension, and a series of stationary baffles located within said receptacle, said baffles being spaced at different heights in said receptacle and extending into the spaces between said series of spaced blades,

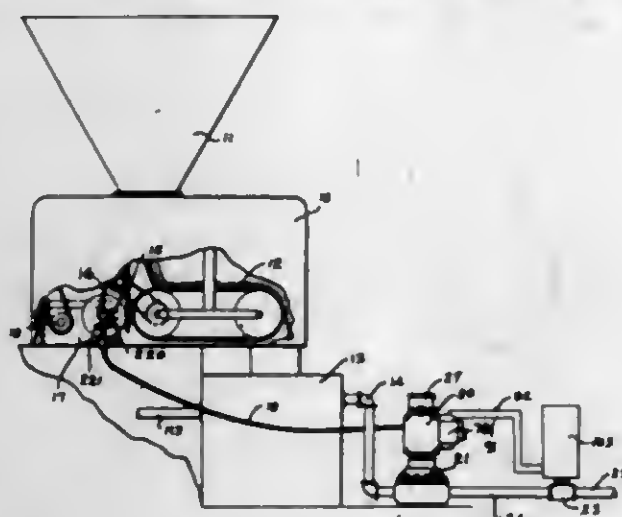
said baffles having faces sloping obliquely upward with respect to the direction of rotation of said element to promote upward movement of the rotating suspension in said receptacle.

2,626,787

PROPORTIONING DEVICE

Lyndus E. Harper, Chicago, Ill., assignor to Omega Machine Company, Providence, R. I., a corporation of Missouri

Application February 21, 1947, Serial No. 730,162
11 Claims. (Cl. 259-18)



1. The combination with a receptacle, of means for feeding a material to said receptacle at a variable rate comprising a feeding member and driving means for said feeding member, means for supplying a liquid to said receptacle comprising a conduit leading to said receptacle, a valve controlling the flow of liquid through said conduit, and means controlling the position of said valve to maintain a predetermined proportion between said material at all rates of feed thereof and said liquid comprising a member rotating with said driving means proportional to the rate of feed of said feeding means, a member rotated by the liquid passing through said conduit to rotate at a rate proportional to the rate of flow of liquid therethrough, differential means connecting said last mentioned members and a valve positioning member actuated by said differential means.

2,626,788

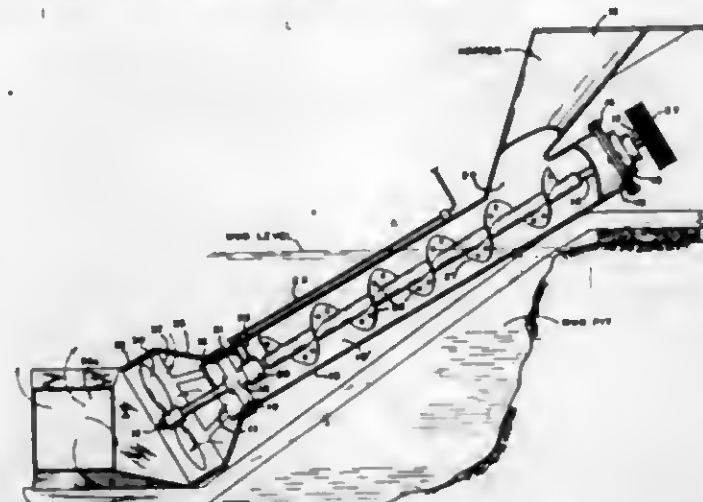
MUD MIXER AND AGITATOR

Douglas Ragland, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application January 28, 1949, Serial No. 73,417
1 Claim. (Cl. 259-97)

Apparatus for incorporating ingredients into drilling fluid in a retaining vessel and for agitating the drilling fluid in said vessel comprising a cylindrical member having an open end and a closed end and defining a chamber, said cylindrical member being adapted to be partially submerged in drilling fluid with its closed end above the level of the fluid, a hopper mounted on said cylindrical member in inclined relationship to the longitudinal axis of the cylindrical member to define therewith a first obtuse angle, said hopper communicating with said chamber adjacent the closed end of said cylindrical member, a shaft rotatably mounted within and extending longitudinally through said cylindrical member, one end of said shaft extending through the closed end of said cylindrical member and the other end of said shaft terminating exteriorly of the open

end of said cylindrical member, a screw conveyor mounted in said chamber on said shaft for rotation therewith, the said conveyor being arranged with its up-stream end adjacent the closed end of said cylindrical member and its down-stream end adjacent the open end of said cylindrical member, a propeller mounted exteriorly of said cylindrical member on said shaft for rotation therewith and spaced from the open end of said cylindrical member, a diverter box having oppositely disposed dual side openings adapted to divert horizontally the effluent passing there-through, and having an open inner end, the lon-



gitudinal axis of the diverter box defining a second obtuse angle with the longitudinal axis of the cylindrical member, said box being on a horizontal plane with respect to the longitudinal axis of the cylindrical member and said first and second obtuse angles being oppositely opposed, the said box laterally circumscribing said propeller, and radially spaced members mechanically connecting said diverter box and said cylindrical member, the inner open end of said box being spaced from the open end of said cylindrical member and positioned up-stream of said propeller, the said oppositely disposed dual openings being positioned down-stream of said propeller.

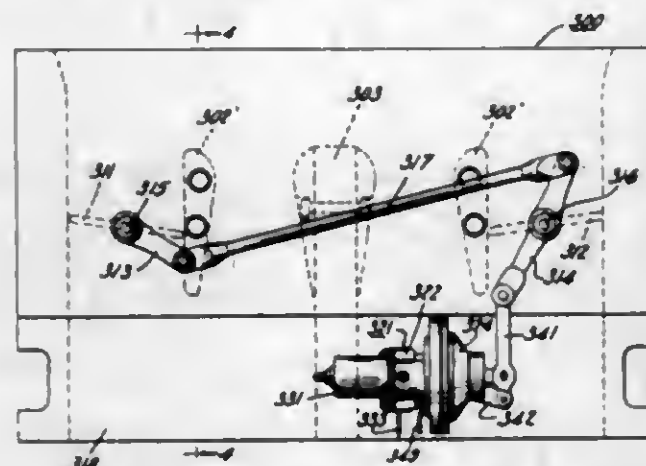
2,626,789

CHARGE-FORMING DEVICE

Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application November 28, 1944, Serial No. 564,287. Divided and this application October 19, 1948, Serial No. 55,401

1 Claim. (Cl. 261-39)



A pressure feed carburetor having a main throttle-controlled air-intake passage provided with a fixed main venturi and a boost venturi coacting therewith, a fuel flow passage arranged to discharge into said air-intake passage and

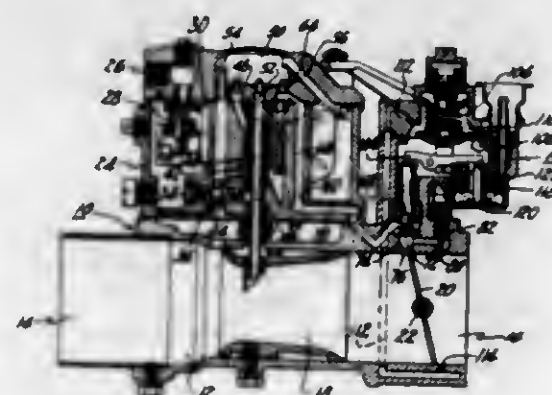
having a metering restriction therein, means for supplying fuel under pressure to said fuel passage, a fuel valve for controlling the fuel metering head, means for regulating said valve including an air diaphragm to be subjected to the differential between a measure of air-intake pressure and Venturi suction and a fuel diaphragm to be subjected to the differential between metered and unmetered fuel pressures, an air-intake bypass passage in parallel with said main venturi for by-passing air flowing in through the main air intake around said latter venturi, a by-pass valve for controlling said by-pass passage, and means responsive to changes in entering air density for controlling said latter valve to maintain the Venturi suction substantially constant for a given mass air flow at varying altitudes, said last-named means comprising a servomotor, a servo valve therefor and a density-responsive aneroid controlling said servo valve.

2,626,790

CARBURETOR

Wesley E. Betcher, Utica, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 31, 1949, Serial No. 136,250
4 Claims. (Cl. 261-41)



1. A carburetor comprising an induction passage, a throttle, a main metering system, an idle system including a passageway communicating at one end with the main metering system and at the other end with the induction passage on the engine side of the throttle, a fuel valve in said passageway responsive to the suction in the idle system and adapted to enrich the fuel-air ratio supplied to the engine by said idle system as the throttle is opened from idle position, a constantly open fuel passage by-passing said valve, and a constantly open air bleed for said passageway posterior to said valve.

2,626,791

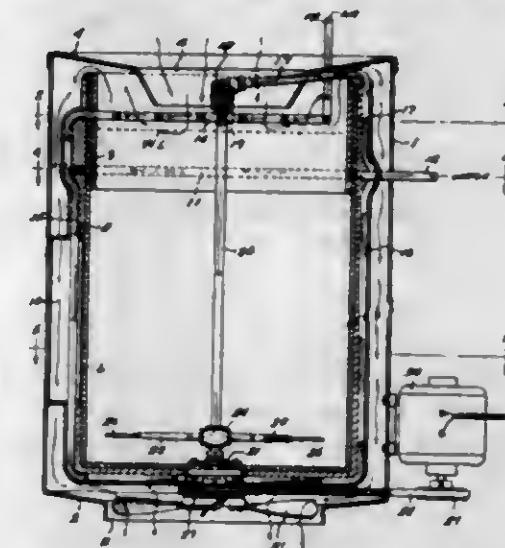
TANK COOLING DEVICE AND AIR COOLING DEVICE

Lorin Lefevre, Great Falls, Mont.

Application June 7, 1948, Serial No. 31,480
1 Claim. (Cl. 261-37)

In a circulating air cooler for an aerating tank, having a base with side walls in which an aerator is positioned, a porous jacket extended over the outer surface of said tank, over the upper edge thereof and downwardly on the inner surface to a point below the water level of the tank, the improvement comprising an outer tank surrounding the first tank and spaced therefrom and having an opening in the lower end, a vertically disposed shaft journaled in the lower end of said first tank from the inner end of which the said aerator is carried, an exhaust fan positioned on

the lower outer end of said shaft, and located in the opening in the lower end of the said outer



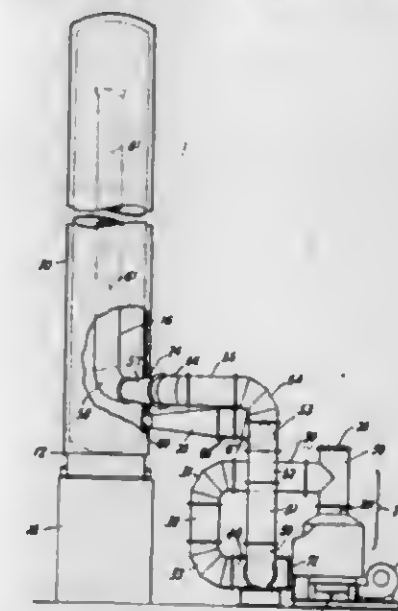
tank, and means driving the shaft for rotating the said fan and aerator.

2,626,792

STRESS RELIEVING APPARATUS

Carl A. Maxwell and John P. Craven, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Original application October 5, 1944, Serial No. 557,328. Divided and this application May 26, 1948, Serial No. 29,225

2 Claims. (Cl. 263-2)



1. In apparatus of the class described, a pressure vessel of great height erected by field welding, said pressure vessel having openings near its base providing for a heating gas inlet and a heating gas outlet, a blanket of thermal insulation covering the pressure vessel externally and secured thereto, a duct in the nature of a stand-pipe temporarily secured centrally within the pressure vessel and extending from the zone of said openings to a position near the top of the vessel, a furnace including a combustion chamber and a burner, an exterior chamber arranged about the combustion chamber for the circulation of heating gases around and past the combustion chamber, a gas circulating fan having its outlet connected to said exterior chamber, a reversing damper casing having four ports, one of said ports being connected with the intake of said circulating fan, duct work connecting the outlet of said furnace with one of said ports opposite the inlet of the circulating fan and conducting the heating gases from the furnace to the revers-

ing damper casing, a second set of duct work extending through said gas inlet opening of the pressure vessel and connecting the lower end of said internal duct with one of the remaining ports of said reversing damper casing, a third set of duct work connecting said gas outlet opening of the pressure vessel with the remaining port of the reversing damper casing, a fluid-cooled reversing damper within said casing, means for turning said damper to cause reversal of the flow of gases through the pressure vessel and the duct work system.

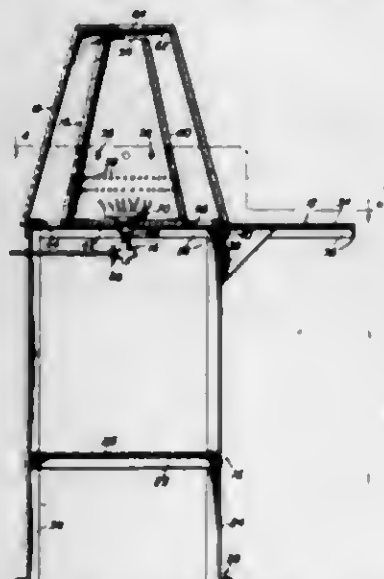
2,626,793

WRINKLE REMOVER FOR SHOES

Esak N. Garfinkel, Lynn, Mass.

Application July 27, 1950, Serial No. 176,242

3 Claims. (Cl. 263-2)



1. An apparatus to assist one in spot treating upper leather for purposes of heating the same and removing wrinkles comprising a vertically elongated openwork leg supported frame, a supporting plate for a heating unit atop said frame, a heating unit centrally supported on said plate, a first hood mounted on and rising vertically from said plate and substantially enveloping the heating unit, said hood being reduced gradually in cross-section from bottom to top and having a reduced and restricted upper end through which heated air is adapted to issue, a second hood also mounted on said supporting plate and enclosing said first hood and having an opening in a plane above and in alignment with the discharge opening in said first hood, said second hood enclosing the first hood in spaced relation and also being gradually tapered in cross-section from bottom to top, the entire exterior surface of said second hood being covered with insulation material, and control means for said heating unit located beneath said supporting plate and accessible by way of the available spaces in the openwork leg supported frame.

2,626,794

FLUID HEATING SYSTEM

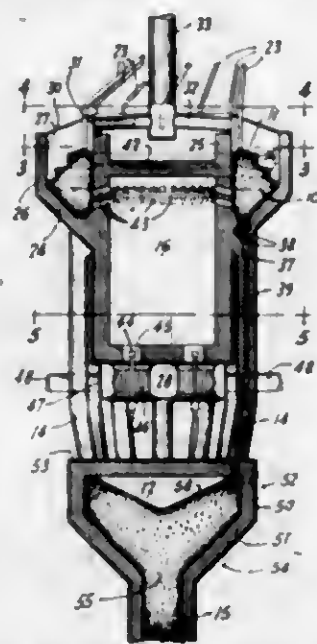
Paul R. Grossman, Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey

Application May 29, 1948, Serial No. 30,022

5 Claims. (Cl. 263-19)

1. Heat transfer apparatus comprising walls defining a chamber having inlet opening for a gas-pervious mass of fluent heat transfer material and at least one fluid outlet opening in the upper portion thereof, one of said walls converging toward an upright wall in the lower portion

of said chamber defining the bottom thereof and having at least one tapered outlet opening therein for said fluent heat transfer material, a fluid supply duct arranged for the introduction of a fluid through the upright wall and into the lower portion of said chamber for upward flow there-



through toward said fluid outlet, and dams arranged in the upper portion of said chamber to alter the contour of the upper surface of the heat transfer material to equalize the fluid flow path through the gas-pervious mass within said chamber.

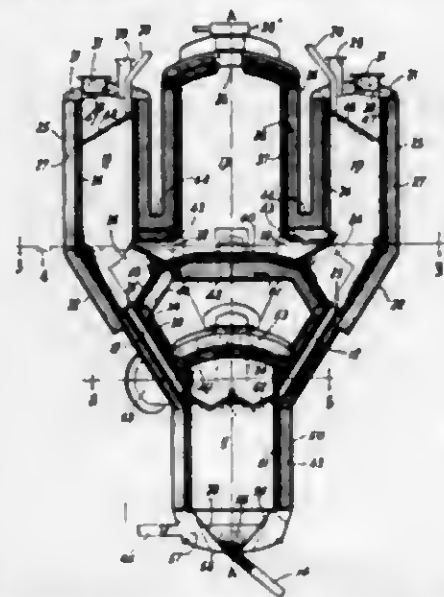
2,626,795

FLUID HEATING SYSTEM

Robert W. Curtis, Alliance, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey

Application September 10, 1948, Serial No. 48,678

9 Claims. (Cl. 263-19)



1. In heat transfer apparatus of the moving bed type, the combination comprising walls defining at least two upper chambers, a furnace source of heating fluid, means for passing said heating fluid through each of said chambers in proportion to the interior volume of each chamber, walls defining a lower chamber, means for passing a fluid to be heated through said lower chamber, a throat conduit directly connecting each of said upper chambers and said lower chamber, and means for causing a movement of a bed of fluent solid heat transfer material downwardly through said upper chambers, throat conduits and thence through said lower chamber.

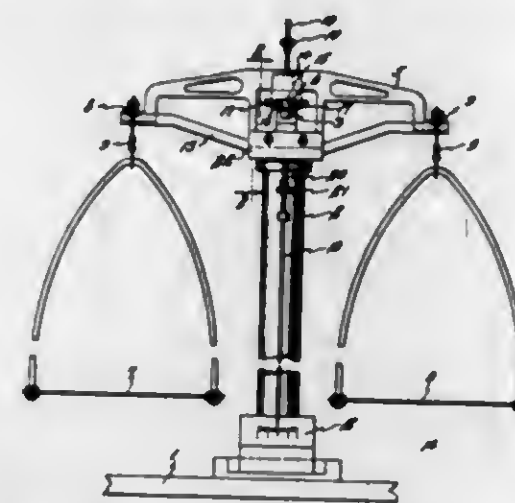
2,626,796

PRECISION BALANCE

Jacob E. Seederer, Englewood, N. J., and Irving Feuer, New York, N. Y., assignors to Seederer-Kohlbusch, Inc., Englewood, N. J., a corporation of New Jersey

Application February 10, 1948, Serial No. 7,336

1 Claim. (Cl. 265-54)



A precision balance comprising a support containing a knife edge bearing, a beam which is relatively light on both sides of its center, a relatively heavy weight containing a slot on the center of said beam, a knife edge of triangular cross-section seated in said slot and pivoted on said bearing, retaining members in said slot engaging the sloping sides of said knife edge, and adjustable means engaging said retaining members for adjusting said knife edge with respect to said center weight, said center weight being heavy enough to give said beam substantially uniform sensitivity under various load conditions.

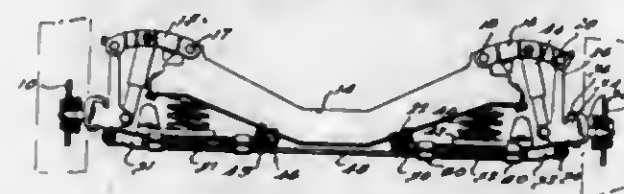
2,626,797

AUTOMOTIVE VEHICLE STABILIZING MEANS

Herman C. Cuskie, Birmingham, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 2, 1949, Serial No. 85,115

31 Claims. (Cl. 267-11)



1. In combination, a longitudinal vehicle frame, an individual wheel suspension at each side of the frame and each including a lateral arm connected to the frame for swinging movement about an axis lying substantially longitudinally respecting the frame, the axis of oscillation of one lateral arm being disposed in the horizontal plane containing the axis of oscillation of the other said lateral arm, resilient bar means extending transversely of the frame and comprising lateral outer end portions, a first means of rubber-like material connecting each of said end portions to a location on each said lateral arm adjacent its axis of oscillation, and a second means of rubber-like material connecting each of said end portions to another location on said arm remote to its axis of oscillation, said locations being in predetermined transverse disalignment as respects said longitudinal frame.

2,626,798

LEAF SPRING SPACING STRUCTURE AND ANCHORAGE THEREFOR

John Warren Watson, Wayne, and Richard A. Watson, Villanova, Pa., assignors, by direct and mesne assignments, to John Warren Watson Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 14, 1950, Serial No. 155,912

3 Claims. (Cl. 267-47)



1. In combination, two adjacent leaves of a leaf spring the longer of which is of center-groove section, a leaf-end friction bearing structure between said leaves and presenting to at least one of them a surface of sufficient yieldability to conform to irregularities thereof, and anchoring means for limiting longitudinal, lateral and turning movements of said bearing structure with relation to the shorter of said leaves, said anchoring means comprising an anchor member carried against the upper surface of said bearing structure and extending into the space provided by said groove in said longer leaf and penetratively engaging through hole means in said bearing structure and hole means in said shorter leaf adjacent an end thereof, said bearing structure and said anchoring means, upon the spreading of said leaves, being readily removable for replacement purposes.

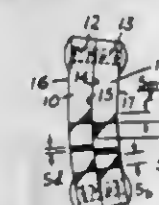
2,626,799

PRESTRESSED SPRING

John D. Howell, Westport, Conn.

Application August 16, 1946, Serial No. 691,059

6 Claims. (Cl. 267-47)



1. A prestressed spring formed from a pair of elongated spring elements of generally similar contour, each of such spring elements being shaped to assume, when unassembled and at rest, substantially the contour they occupy when under the maximum allowable load, and means connecting the adjacent terminals of the spring elements together while they are flexed in a direction opposite to that in which they will be flexed when under load.

2,626,800

SHEET DELIVERING APPARATUS

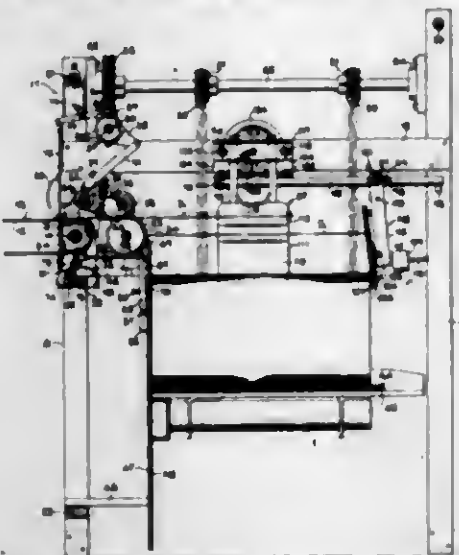
George A. Martin, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York

Application July 20, 1948, Serial No. 39,764

8 Claims. (Cl. 271-68)

1. In a sheet delivery, a pile support, driven rotatable magnetic means disposed above said support at one side thereof for receiving and conveying sheets of magnetic material in succession forwardly over said support and then downwardly toward said support through application of magnetic forces applied first to the underside of said sheets and then to the trailing

edges of said sheets, and stripper means for stripping the successive sheets from said magnetic means during downward movement thereof, said stripping means being effective to strip the down-

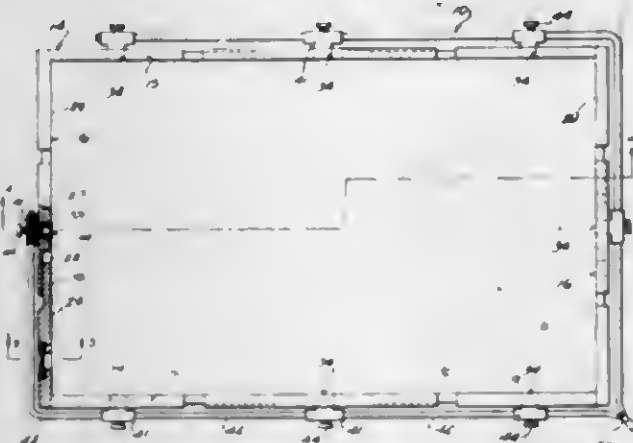


wardly moving sheets from the magnetic means when the trailing edges of said sheets reach a position substantially coplanar with the axis of rotation of said magnetic means.

2,626,801

AIR FLOAT JOGGER DEVICE

Cecil W. Uriell, San Jose, Calif.
Application July 1, 1949, Serial No. 102,651
2 Claims. (Cl. 271-89)



1. In a jogger box for a sheet piling machine, said box having opposing side and end walls, a plurality of air jet nozzles mounted vertically in the walls and having vertically spaced orifices in their inner faces communicating with the interior of the box, said orifices being inclined upwardly so as to direct an upwardly inclined blast into the interior of the box, the successively lower orifices being inclined at a lesser angle than the preceding orifice, means connecting said nozzles to a source of air under pressure, means for adjusting the horizontal directional flow of the air from the nozzles into the box, and valves slidably disposed on the inner faces of the nozzles for controlling the flow of air in a vertical plane.

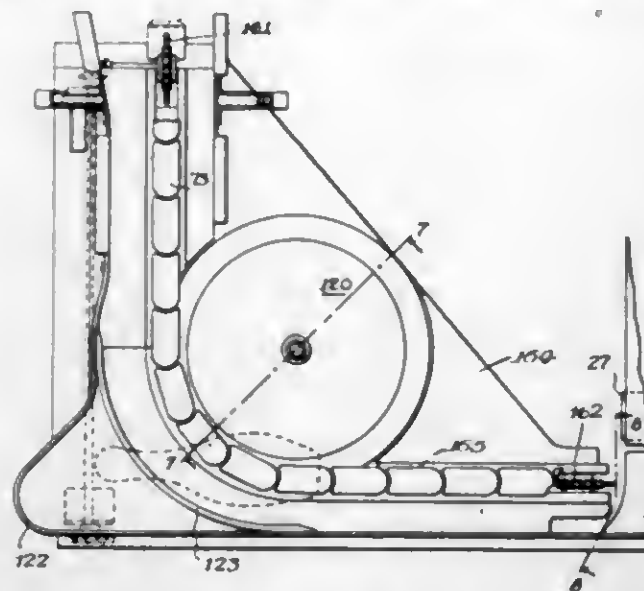
2,626,802

BOWLING PIN CONVEYING AND ORIENTING MECHANISM

Arthur M. Simpson, Lexington, Ky., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application February 7, 1947, Serial No. 727,209
3 Claims. (Cl. 273-43)

1. In a bowling alley operating mechanism, a pin orienting conveyor comprising a chain articu-

lated for flexing both horizontally and vertically; said conveyor chain having an operating span extending partially around a horizontally disposed sprocket and a return span coextensive with but below the operating span and extending partially around a second horizontally disposed sprocket below the first; with return bends of chain extending around idlers at each end of the conveyor and joining the upper and lower spans of chain into an endless loop; together with an

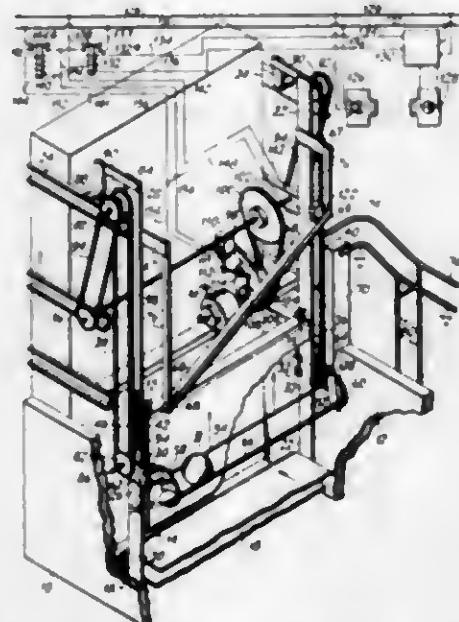


articulated belt carried by the chain and adapted to receive bowling-pins, a conical disc adjacent the operating span of the chain and mounted on the upper sprocket; said disc having its peripheral edge adjacent the conveyor chain and having an elevated central portion to engage the base of pins passing around the sprocket and swing them about on the belt, and an obstruction disposed radially outwardly from the sprocket to engage the head ends of pins passing therearound and initiate swinging movement.

2,626,803

BOWLING BALL HANDLING APPARATUS

Henry C. Congelli, Belmont, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application November 27, 1948, Serial No. 62,329
11 Claims. (Cl. 273-49)



1. Automatic bowling ball handling mechanism comprising, an elongated bar for engaging and elevating a bowling ball from the pit of a bowling alley, an inclined stationary member positioned across the path of travel of a bowling ball ele-

vated by said bar adjacent the path of travel of said bar to cause said bowling ball to be pushed along the length of said elongated bar when said bowling ball is brought into engagement with said member, said member being inclined with respect to said elongated bar, and means for raising and lowering said elongated bar.

2,626,804

RACKET FOR TENNIS AND BATTING GAMES

Roy H. Robinson, Chicago, Ill.
Application July 19, 1944, Serial No. 545,630
62 Claims. (Cl. 273-73)

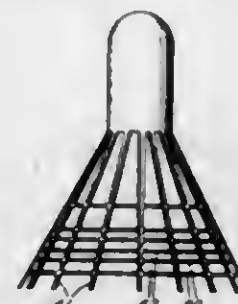


8. A resilient racket frame designed to hold firmly stringing under tension in the head portion and formed and shaped as a resilient in-turned arch at a position in the head located substantially away from the throat and inner end portion of the head.

2,626,805

SHUTTLECOCK AND METHOD OF MAKING

William Charles Carlton, Hornchurch, England
Application June 23, 1950, Serial No. 169,937
In Great Britain March 23, 1950
7 Claims. (Cl. 273-106)



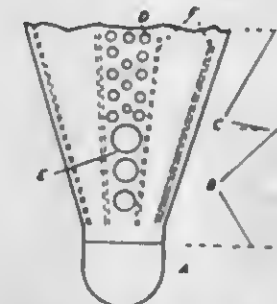
4. A shuttlecock comprising a cap and a moulded skirt composed of an inner part adjacent the cap and an outer part remote from the cap, and incorporating stems extending from the cap and material between the stems in said outer part, the stems being thicker where they leave the cap than the material between the stems in said outer part and being flared outwardly from the cap, and moulded integrally, and characterized in that each stem has integral with it a plurality of ribs projecting laterally from it in the area of the skirt remote from the cap.

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2,626,806

SHUTTLECOCK

William Charles Carlton, Hornchurch, England
Application June 23, 1950, Serial No. 169,938
In Great Britain November 30, 1949
4 Claims. (Cl. 273-106)

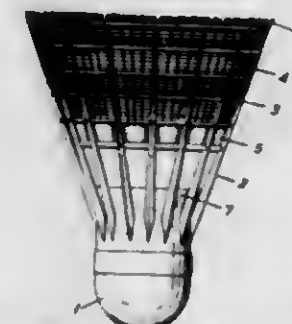


1. A shuttlecock comprising a base with a one piece flared skirt incorporating longitudinal spaced stiffeners fixed to it, that part of the skirt adjacent the base being referred to as the inner skirt and that part remote from the base being referred to as the outer skirt, the skirt being made of an inherently resilient material and being characterized in that holes are present both in the inner and outer skirt, holes in the inner skirt being bigger in area than holes in the outer skirt, and there being in the outer skirt a plurality of small holes for lightness and air resistance between each pair of adjacent stiffeners.

2,626,807

MOLDED SHUTTLECOCK

William Charles Carlton, Hornchurch, England
Application August 2, 1951, Serial No. 239,870
In Great Britain May 24, 1951
4 Claims. (Cl. 273-106)



1. A shuttlecock comprising a cap and a moulded skirt composed of an inner part and an outer part, and incorporating stems flared outwardly from the cap and moulded integrally therewith, and having integral with each of the stems a plurality of ribs extending laterally from the stems in the area of the skirt remote from the cap, and characterized in that from the rear-most rib and integral with it, a plurality of fine projections extend rearwardly to form a fringe.

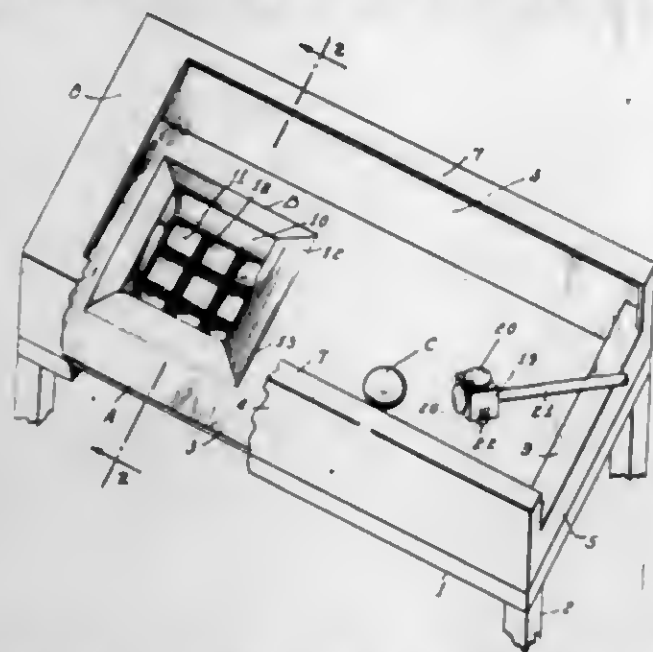
2,626,808

BALL-GAME TRAY

Albert A. Abrams, St. Louis, Mo.
Application January 18, 1950, Serial No. 139,278
1 Claim. (Cl. 273-127)

In a game apparatus, a ball-receiving tray adapted to be set on a supporting table and comprising a central well open entirely across its top, a bounding frame of constant uniform width entirely about said well and having its entire top sloping upwardly from adjacent the table to the top of said well, intersecting partitions extending across the bottom of said well to form a plurality of ball-receiving compartments, said partitions

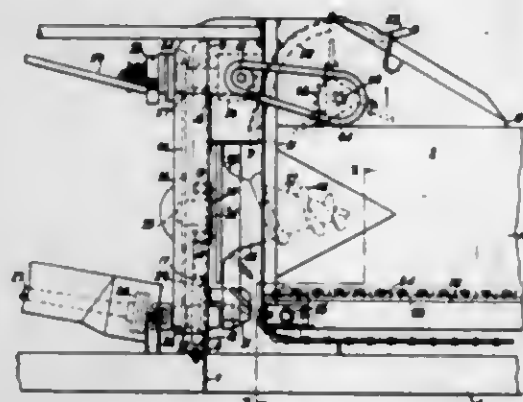
being much shallower than the height of said well so that said ball may be propelled upwardly of said frame to roll across said partitions while remaining within said well, and ribs extending



along the top edges of said partitions and sufficiently narrower than the width of the latter to prevent the ball from hanging up on said partitions.

2,626,809

MANURE SPREADER FEEDING DEVICE
Rector C. Ferguson, Gadsden, Ala., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application April 20, 1950, Serial No. 157,155
6 Claims. (Cl. 275-8)



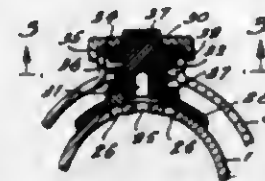
1. In combination in a fertilizer distributor including an elongated receptacle having a material supporting floor section, including a material conveying means operatively coacting with said floor section to move material therealong toward one end of said receptacle, and including a material slinging device having a pair of support members operatively mounted adjacent said one end of said receptacle in opposed material receiving relation to the discharge end of said conveying means, the improvement comprising a pair of conical feeding members mounted adjacent said one end of said receptacle with the apices of said conical members positioned in spaced elevated overlying relation to the discharge end of said conveying means, said conical members having parallel axes of rotation extending in the general direction material is moved by said conveying means and each conical member having a raised rib portion on the periphery thereof for aiding in delivering material from said conveying means to said slinging device, said support members being attached to the bases of said conical members for rotation

therewith and forming conical extensions thereof, and means operatively connecting said conveying means, said slinging device, and said feeding members with a power source.

2,626,810

ROTARY AND RECIPROCATING MULTIPLE VALVE

José Galera, Rosario, Argentina
Application January 8, 1947, Serial No. 720,844
In Argentina December 22, 1945
3 Claims. (Cl. 277-55)

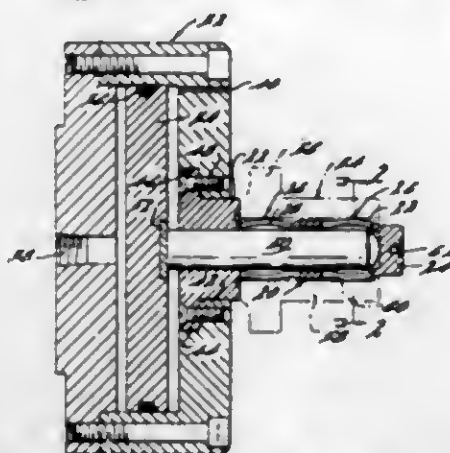


1. In a device having a pair of spaced walls forming independent spaces, in combination with valve means arranged to control communication from a first space to a second space wherein one of said walls includes a central opening and at least one lateral opening; a flange member covering said lateral opening in said wall and having a cylindrical bore disposed over said central opening, and a passage connecting said cylindrical bore with said second space; a body having a cylindrical portion turnably mounted within said cylindrical bore and a duct adapted to connect said central opening with said passage, said cylindrical portion being adapted to gradually close said passage when being turned, and further adapted to allow axial sliding of said flange member away from said wall; a spring with one end abutting on said body and with the other end on said flange member urging said flange member against said wall so as to close said lateral opening, said body extending through the second wall into a third space; means cooperating with the second wall and securing said body against axial displacement; and operating means located in the third space for turning said body.

2,626,811

EXPANSION ARBOR

George Hohwart and Ernest F. Hohwart, Detroit, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application October 1, 1949, Serial No. 119,192
23 Claims. (Cl. 279-2)



12. An expansion arbor having an elongated tubular body of deformable, inherently resilient material, said body adapted to extend into a workpiece to be chucked and having axially spaced, longitudinally slotted portions, said slotted portions being longitudinally arched radially outwardly of the body and adapted to en-

gage the workpiece at longitudinally spaced points, a plunger in the body, an internal seat for said plunger adjacent one end of the body, and actuator means engageable with said plunger to press the same against said seat so as to place said body under tension and to contract said longitudinally arched portions sufficiently so that a workpiece can be slipped thereon, whereby inherent resiliency of said body causes said arched portions to expand against and tightly clamp the workpiece when tension on the body is released.

2,626,812

TOOLHOLDER

Willis H. Jones, Kenmore, N. Y.
Application March 17, 1950, Serial No. 150,264
3 Claims. (Cl. 279-16)



3. A combination tool holder, comprising opposing driving and driven members, a floating coupling member disposed in rotative driving engagement between the opposing ends of said members, the driving member including an externally-threaded head and the driven member including a head having an external inclined shoulder thereon, a sleeve-nut engageable with said threaded head and having an internal inclined shoulder for engagement with the companion shoulder on the head of said driven member for connecting said several members into a unitary rigidly-aligned assembly, said driven member having an axial bore therein and said coupling member having an aligned opening therein, and a flexible pin fixed at one end to the driving member for lateral flexure relative thereto and extending axially therefrom and freely through the coupling member opening and freely into the driven member-bore and terminating at its free end in a head in relative axial sliding relation to and in bearing fulcruming contact with said bore.

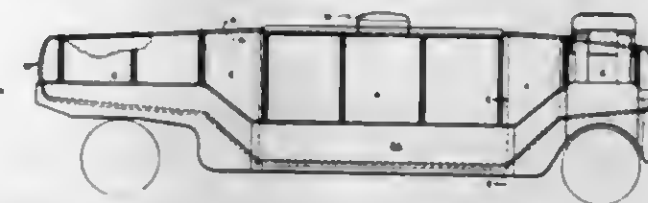
2,626,813

TANK TRAILER

Edward Mullen, Detroit, Mich., assignor to Mechanical Handling Systems Inc., Detroit, Mich., a corporation of Michigan
Application March 10, 1947, Serial No. 733,605
4 Claims. (Cl. 280-5)

1. A tank trailer for transporting fluid loads at abnormal temperatures characterized by a fabricated sheet metal tank comprising inner and outer spaced tank shells each comprising a cylindrical central tank portion having a horizontal

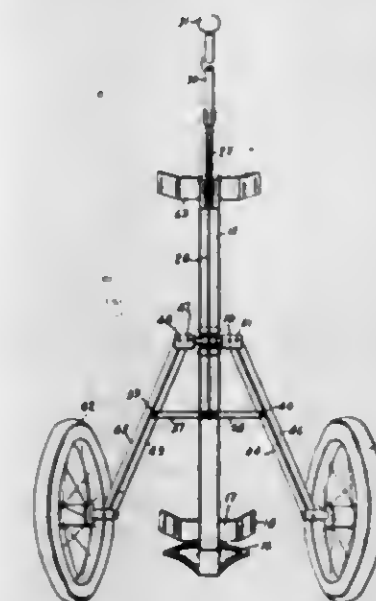
axis along the direction of travel, forward and rear end tank portions having substantially horizontal axes and being of smaller cross section than said central portion, an intermediate conical tank portion joining each of said end portions with one end of said central portions, a plurality of ring stiffeners encircling and joining the various sections of said outer shell each being



2,626,814

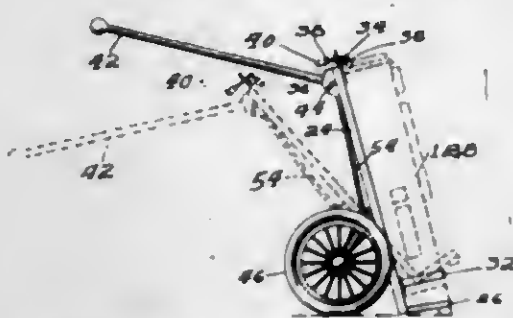
FOLDABLE GOLF CART

Joseph F. Chamberlin, Chicago, Ill.
Application April 30, 1949, Serial No. 90,607
6 Claims. (Cl. 280-42)



1. A telescopic golf cart including a relatively long narrow body portion, a pair of wheels for supporting the body, a propelling handle pivotally mounted on the body, means for automatically moving the wheels into folded relationship when the handle is brought into folded position with respect to the body, said means including pairs of relatively shiftable pivoted wheel supporting arms, a rod and links connecting the arms to the handle, a support for the upper ends of the pivoted wheel supporting arms, said support pivotally mounted on the body, and means connecting the rod and links to the body, said means including a central cruciform support said cruciform support having one extension connected to the body, two extensions connected respectively to the right and left hand wheel supporting arms, and a fourth extension connected to the rod supported by the handle.

2,626,815
COLLAPSIBLE GOLF CART
 Joseph F. Chamberlin, Chicago, Ill.
 Application May 16, 1947, Serial No. 748,525
 7 Claims. (Cl. 280-42)



1. A collapsible golf cart including a channelled body portion, a pair of folding wheels for supporting the body, a propelling handle pivotally mounted on the body for folding relationship therewith, means for automatically moving the wheels into folded relationship when the handle is folded, said means including pivoted axle supporting arms, a link connecting the arms to the handle, and a support for the pivoted axle supporting arms, said support slidably mounted in the body channel.

2,626,816
LOOSE-LEAF CALENDAR HANGER
 Orion P. Winford, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
 Application March 26, 1951, Serial No. 217,461
 5 Claims. (Cl. 283-2)



1. In a loose-leaf removable sheet calendar hanger, a back sheet support member, having a transverse opening formed therein, a frontal member connected to said back support member, one or more calendar sheets having a transverse opening formed therein adapted to align with said transverse opening of said back support member, a pocket formed on the lower portion of each of said sheets, a calendar on said pocket, a flexible hanger loop secured to said frontal member and adapted to be removably inserted through said openings of said sheets and said opening of said back support member and be folded in an upward manner to hold said sheets together and removably support the same.

2,628,817
LOOSE-LEAF SHEET CALENDAR HANGER
 Orion P. Winford, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
 Application March 26, 1951, Serial No. 217,462
 7 Claims. (Cl. 283-2)



7. A loose-leaf calendar including a support member, a series of loose-leaf sheets each having

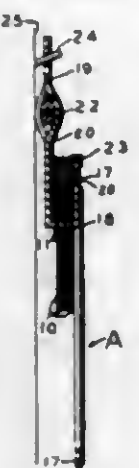
an opening formed therethrough, an extended binder portion formed on said support member, a tongue extension member formed on said extended binder portion, said support member having an opening formed therethrough adapted to align with said openings of said sheets, said binder portion folded downwardly upon said sheets, and said tongue extension inserted through said slots of said sheets and said slot of said support member, and formed in an upwardly extending manner against said support member to form a hanger for said calendar and secure said binder member against said sheets to removably bind said sheets together.

2,626,818
BINDER HANGER FOR LOOSE-LEAF SHEET CALENDARS
 Orion P. Winford, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
 Application March 26, 1951, Serial No. 217,463
 4 Claims. (Cl. 283-2)



4. In a loose-leaf calendar display, a front display sheet portion, a series of loose-leaf sheets each having an opening formed therein, a binder portion extending from said front sheet, said front sheet portion having an opening formed therein, a tongue member extending from said binder portion and adapted to be inserted through said slots of said sheets and said slot of said front sheet and folded upwardly against the front surface of said front sheet to bind said sheets together and provide a hanger for said sheets and said front sheet on which pictures and the like may be mounted.

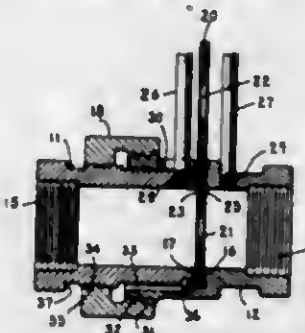
2,626,819
LOOSE-LEAF DISPLAY CALENDAR
 Orion P. Winford, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
 Application March 26, 1951, Serial No. 217,464
 5 Claims. (Cl. 283-2)



5. In a loose-leaf calendar, a series of sheets each having a slot formed therein, a hanger front sheet, a tongue member cut from said hanger sheet from within the edges thereof and having one edge spaced from the upper edge of said sheet in connection with said sheet and parallel

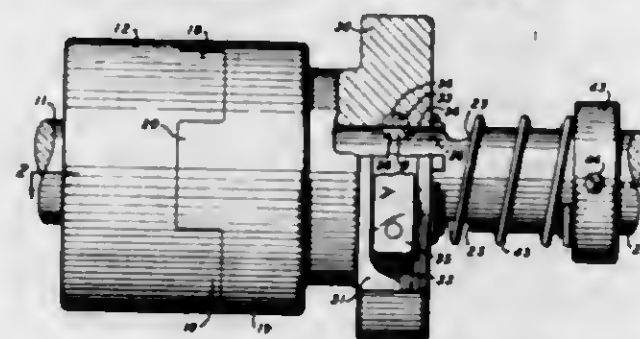
to the top edge of said sheet adapted to be positioned rearwardly of said front sheet through said slots of said series of sheets and folded upwardly to form a hanger and removably support said sheets.

2,626,820
PIPE COUPLING
 Eddie M. Dons, Tulsa, and Jesse V. Stevens, Oakhurst, Okla.
 Application May 12, 1947, Serial No. 747,490
 6 Claims. (Cl. 285-122)



1. A pipe coupling comprising companion coupling sleeves adapted to be attached to adjacent ends of pipes, said sleeves being telescoped and splined to each other to prevent independent rotary movement of the sleeves, a coupling band screwed onto the telescoped sleeves, said coupling band having screw threads of relatively large pitch engaged with corresponding threads of the outer sleeve, and threads of less pitch engaged with matching threads of the inner sleeve, so as to positively force said sleeves toward and away from each other in response to selected rotary movements of said coupling band, the outer sleeve being provided with a circumferential slot at one side of said coupling band to receive a sealing member in a zone entirely beyond said band, said outer sleeve also having an annular internal abutment shoulder at one side of said slot, the telescoped inner sleeve being provided with an end abutment face at the opposite side of said circumferential slot, and a removable sealing member movable into and out of said circumferential slot, said sealing member being normally confined between said internal shoulder and said end abutment face, and said inner sleeve having an extended peripheral abutment facing the threaded coupling band to limit the travel of said band in its uncoupling direction.

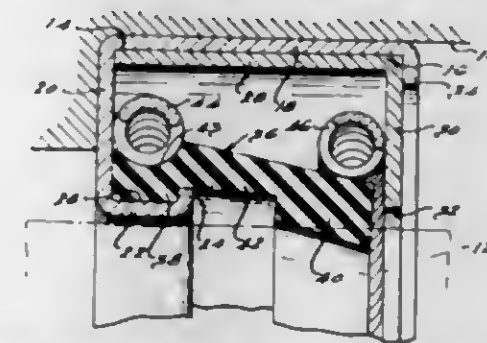
2,626,821
LOCKING TYPE CLUTCH
 Yves A. Bouget, West Orange, and C. Edwin Magnuson, Hasbrouck Heights, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
 Application February 21, 1948, Serial No. 77,594
 5 Claims. (Cl. 287-52.05)



1. A locking mechanism for a member slidably mounted on a rotatable shaft, said mechanism comprising a pin in the member, said pin having

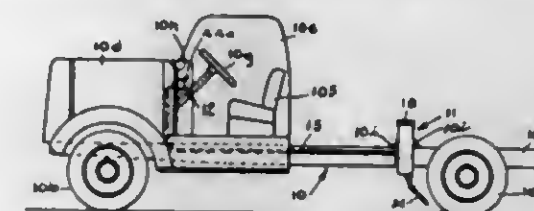
a recessed section, two transverse grooves in the shaft for receiving the pin and locking the member in either of two positions on the shaft against movement axially or rotatably relative to the shaft, a relieved section on the shaft between adjacent ends of the grooves to permit passage of the pin from one groove to the other and resilient means normally holding the recessed section of the pin out of alignment with the relieved section of the shaft.

2,626,822
OIL SEAL
 Donald A. Boyd, Detroit, Mich.
 Application June 23, 1945, Serial No. 601,192
 2 Claims. (Cl. 288-3)



1. A self contained sealing unit of the type described, comprising a centrally apertured sheet metal housing for pressed fit insertion within a housing about a centrally located shaft, said housing having an outer shell provided with an axially extending flange and an integral radially extending flange underlying said first axially extending flange and spaced therefrom, the end portion of said second named axially extending flange being bent radially toward said first named flange to provide a channel opening radially toward said first named axially extending flange, a flexible band of packing material having one end thereof within the channel and its opposite end projecting axially beyond the channel, and a garter spring around the outer periphery of each of said end portions of said packing, a portion of said packing material substantially mid-way between said springs of reduced thickness.

2,626,823
SANDING DEVICE FOR VEHICLES
 Samuel G. Stoberg, St. Paul, Minn.
 Application August 11, 1948, Serial No. 43,740
 15 Claims. (Cl. 291-3)



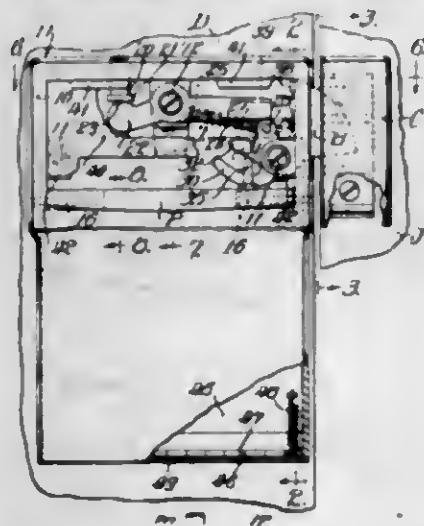
11. A sanding device for a vehicle having in combination, a casing having a chamber adapted to contain a supply of sand, a chute leading from said chamber, a valve for closing and opening said chute, a control member adapted to be mounted adjacent the driver's position on said vehicle comprising parallel plates, a pivot extending between said plates, a cam member movable between said plates and having a handle thereon, said cam member being swingable about said pivot, a switch at one side of one of said plates, having a pin projecting through said

plate, said cam member having a beveled end adapted to engage and move said pin to close said switch, said cam member having a cam slot therein, a cam follower disposed in said slot, the other of said plates have a slot through which said follower projects and in which it is movable, and a member secured to said follower and to said valve for opening said valve different amounts in the movement of said cam member.

2,626,824

DOOR LATCH

Elmer Spencer Hewitt, Wilmette, Ill.
Application August 26, 1950, Serial No. 181,647
9 Claims. (Cl. 292-200)

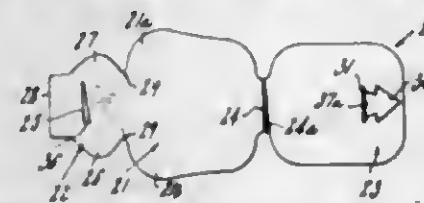


1. In a device of the kind described wherein an open-face housing is provided with a closure therefor in the form of a plate hinged near its bottom to the housing for swinging movement between a horizontal open position and a vertical closed position wherein the closure plate is disposed flush with the front face of the housing, the improvement which comprises a locking bolt mounted within the housing in spaced relation to its front face, screw means traversing the housing for anchorage in a support, a protecting plate secured within the housing in covering relation to the screw means and the locking bolt, a spring for holding the locking bolt in either its locked or unlocked position, and a motion transmitting connection between the closure plate and the locking bolt such that the former, when swung toward its closed position, will initiate an unlocking movement of the bolt, such movement, through the associated spring, being thereafter continued through to completion thereby also to maintain the closure plate in closed position.

2,626,825

SEALING DEVICE

Hans F. Stoffel, Scarsdale, N. Y.
Application July 1, 1947, Serial No. 758,399
6 Claims. (Cl. 292-319)



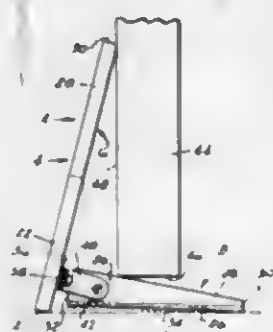
1. A sealing device of the character described comprising a lengthy strip of material, a perforated extension at one end of said strip and folded upon said strip, a plurality of spaced apart locking means provided on said strip and co-operable with said opening of said extension, whereby upon insertion of one of said locking

means in said opening said one locking means is retained between said extension and that portion of said strip of material upon which said extension is folded, the other end of said strip being threaded through the loop obtained upon closing of said locking means, and means obstructing the passage of said other end of said strip of material through said loop.

2,626,826

DOORSTOP

Arthur Dritz, Brooklyn, N. Y., assignor to John Dritz & Sons, New York, N. Y., a partnership
Application November 16, 1949, Serial No. 127,581
9 Claims. (Cl. 292-343)



3. A door stop comprising a frontal member having a lower edge adapted to rest on the floor, and a supporting member having a lower surface, an upper surface acutely angularly inclined with respect to said lower surface, and an end surface, a bracket on said frontal member near the lower edge thereof and having arms extending rearwardly therefrom, said supporting member being articulately mounted between said arms and spaced from said frontal member so as to be movable between one position angularly disposed with respect to said frontal member, in which the lower surface of said supporting member rests on the floor and supports said frontal member in upright door stopping condition, the upper inclined surface of said supporting member being in position to be engaged by the bottom of a door, and another position approximately parallel to said frontal member in which said end surface of said supporting member rests on the floor and supports said frontal member in upright stand-by condition.

2,626,827

BUMPER GUARD

Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 3, 1949, Serial No. 79,459
2 Claims. (Cl. 293-67)

1. A guard structure for vertical mounting on a vehicle bumper to increase the effective height of said bumper, said guard structure comprising a shell symmetrical about its vertical median plane and having a closed forward shock receiving portion defined by integral front, top and side walls and a rearwardly facing opening defined by the free edges of said walls, the lower portions of said front and side walls providing a downwardly continuous rear edge contoured to conformingly abut the outer face of said bumper the full length of said edge, a sheet metal plate welded edgewise against the inside of said front wall along the vertical median line thereof and extending rearwardly thereof between and free of said side walls, mounting means carried solely by said plate, and securing means adapted to be carried by said bumper for cooperation with said

mounting means to secure said guard structure on said bumper with said continuous rear edge

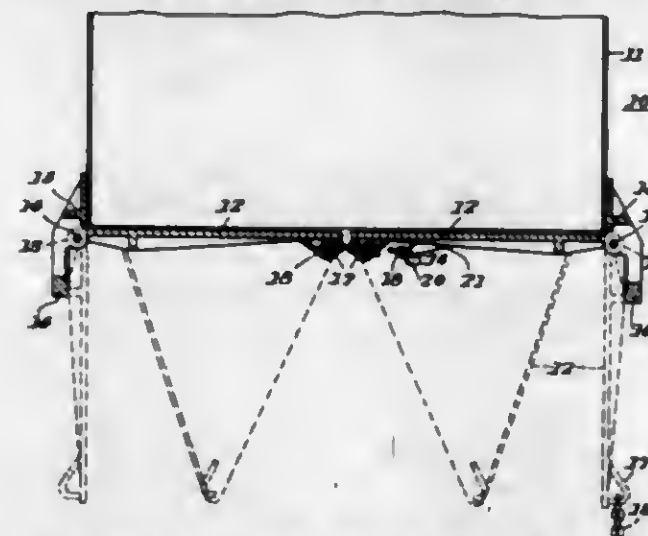


in full edge-abutment against the bumper outer face.

2,626,828

BOTTOM-DUMP CHARGING BUCKET AND DOOR CLOSING MECHANISM THEREFOR

Charles Morgan, Warren, Ohio, assignor to Copperweld Steel Company, Warren, Ohio, a corporation of Pennsylvania
Application February 2, 1946, Serial No. 645,107
6 Claims. (Cl. 294-69)



1. In a door latching mechanism for a bottom-dump charging bucket or the like, in combination, a rotatable arm pivotally connected to the bottom of said charging bucket or the like, a hook portion on said arm adapted to be engaged by a tension member tending to rotate said arm in a direction to release said tension member, and a detent pivotally connected to said bottom adjacent another portion of said arm, said detent being movable into latched position with said other portion of said arm between said detent and said bottom, and an extension on said detent to engage said bottom to prevent said arm from forcing said detent out of said latched position.

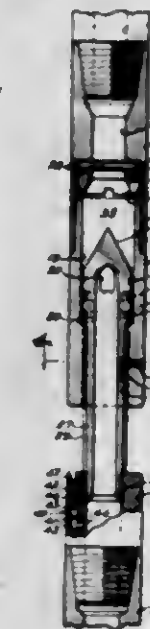
2,626,829

METHOD FOR HYDRAULICALLY DISPLACING WELL MATERIALS

Wilber A. Maxwell, Houston, Tex., and John A. Engstrand, Los Angeles, Calif., assignors to Grant Oil Tool Company, Los Angeles, Calif., a corporation of California
Application May 5, 1947, Serial No. 746,039
9 Claims. (Cl. 294-86)

3. The method of displacing material at a location in a well containing a hydrostatic column,

that includes lowering into the well an extended tubular string comprising a vertical series of pipe stands communicating at a lower portion of the string with said location and containing a closure acting to prevent fluid flow upwardly from said location beyond a predetermined point in the string, maintaining a column of liquid in said string of a height substantial as compared with

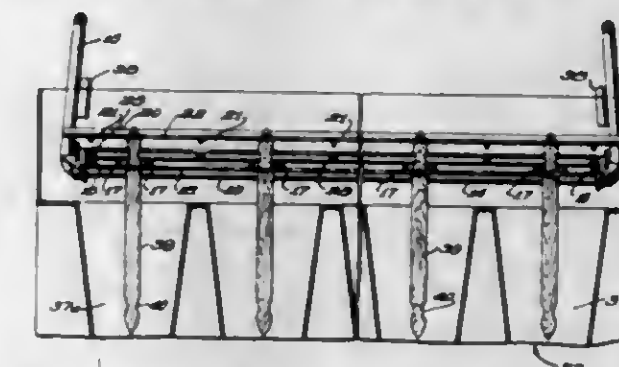


but less than the height of the well column and extending vertically through a large number of said pipe stands so that the differential between the well column pressure and the pressure at the inside of the string is substantially less than the hydrostatic pressure of the well column at said location, and then opening said closure to create a liquid surge from said location upwardly within the string.

2,626,830

STICK-HOLDING DEVICE

Daniel Glazer, Chicago, Ill., assignor to Frigie Corporation of America, Chicago, Ill., a corporation of Illinois
Application March 15, 1949, Serial No. 81,582
2 Claims. (Cl. 294-87.24)



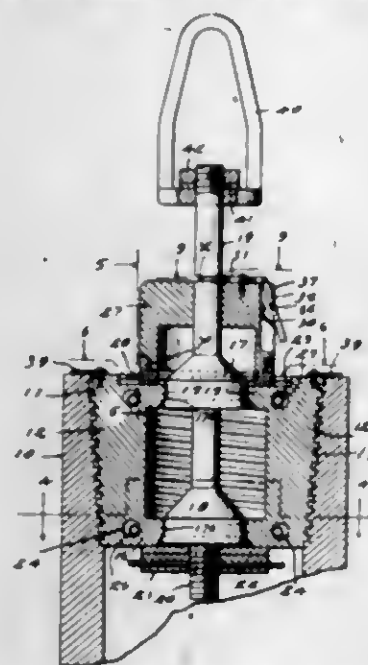
2. A stick holding device comprising a supporting frame including a pair of generally parallel longitudinally extending marginal rods having upwardly looped end portions defining handles, a pair of transversely extending marginal rods secured to said longitudinally extending marginal rods, additional transversely extending members secured to said longitudinally extending rods, and additional longitudinally extending rods secured below said additional transversely extending rods, a fixed upper tray including a pair of spaced parallel rods secured to said handles, a plurality of transversely extending rods secured to said last mentioned spaced parallel rods, and a plurality of additional longitudinal rods secured above the last mentioned transversely extending rods; said supporting frame and upper tray additional lon-

gitudinally extending rods extending in parallel vertically aligned, spaced relation to provide vertically spaced longitudinally extending stick-contacting surfaces; and a slide rack comprising a U-shaped outer marginal frame including a longitudinally extending base rod and parallel side rods, and a plurality of longitudinally extending clamping rods secured to said side rods, each clamping rod having a plurality of spaced, transversely offset, generally V-shaped bends; said clamping rods being transversely spaced a distance substantially equal to the distance between adjacent ones of said supporting frame additional longitudinally extending rods for cooperation with said supporting frame and upper tray stick-contacting surfaces to hold a plurality of sticks.

2,626,831

PIPE PULLER

Allen B. Wilson, Galena Park, Tex.
Application August 11, 1950, Serial No. 178,865
4 Claims. (Cl. 294—96)



1. A pipe pulling device comprising a plurality of segmental pipe clamping jaws formed with threads on the outer curved surfaces thereof for engagement with threads in the end of a pipe, each jaw having an interiorly positioned arcuate segmental cut-out portion and an upper and lower annular channel therein, means slidably connecting said jaws for contraction or expansion toward or away from each other, a coil spring extending through the upper channels of each jaw and a second coil spring extending through the lower channel of each jaw normally contracting said jaws toward each other, a beveled arcuate flange in the upper end of the interior of each jaw, a second beveled arcuate flange in the lower end of the interior of each jaw, a shaft coaxially mounted between said jaws and longitudinally movable with respect thereto, a pair of spaced conical members fixed to said shaft one engageable with said upper beveled flanges and the other engageable with said lower beveled flanges to expand said jaws against the bias of said springs, and lock means to hold said shaft in jaw expanding position.

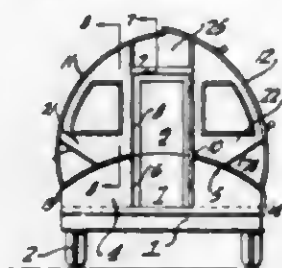
2,626,832

COLLAPSIBLE TRAILER

Fermin Guthoerl, Lynwood, Calif.
Application December 31, 1949, Serial No. 136,355
4 Claims. (Cl. 296—23)

1. A collapsible trailer comprising a rectangular floor, a side board rising from the floor on

each side thereof and extending the length thereof, an end structure extending transversely of the trailer between said side boards, the upper edge of said end structure being convexly curved, a side panel hingedly attached to the top edge of each of said side boards, each side panel being wider transversely than half the width of the floor, each of said side panels being curved convexly, the radius of curvature of each side panel



being greater than half the width of the floor, said sides meeting on the center line of the trailer and said meeting point forming an obtuse angle, and latch means on said side panels holding said sides together at the said meeting point, said side panels being hinged to fold downwardly on the top of the end structure, and the upper curved edge of said end structure conforming to the convex curve of the sides when said sides rest on said end structure.

2,626,833

PACKAGE FOR PERFUME AND THE LIKE

Joseph E. Valentine, Caldwell, N. J.
Application August 7, 1950, Serial No. 178,050
2 Claims. (Cl. 299—20)



1. A package for perfume, comprising an absorbent pad impregnated with perfume oil, and an enclosure for said pad having front and back walls of larger size than the pad thereby providing a margin of the enclosure beyond the said pad, a fabric backing within said enclosure coextensive therewith, a tacky layer of material interposed between said enclosure and backing securing the same together coextensive with the juxtaposed faces thereof, and a synthetic resin coating on and coextensive with said backing, said coating both providing a surface impervious to perfume oil and providing means by which the said margins of the front and back walls of the enclosure may be heat-sealed, said enclosure, backing, layer and coating having registering perforations for passing perfume aroma there-through from the pad.

2,626,834

AEROSOL SPRAY NOZZLE, VALVE, AND CAN TOP CONSTRUCTION

Harold D. North, Jr., Shaker Heights, Ohio, assignor to The Ronor Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 10, 1949, Serial No. 126,485
2 Claims. (Cl. 299—95)

1. An aerosol can construction including a valve and nozzle unit comprising a can having cylindrical side walls and end walls arched and curving inwardly, a valve having a body, a valve stem and handle therefor and of an overall height not greater than the sum of the depths of both arched end walls, the top end wall having a central opening and a surrounding area distorted

from the arch at an angle to the axis of the can, the valve having a body and a central passage registering with said opening, and having a surface fitting said angle surface and having a nozzle

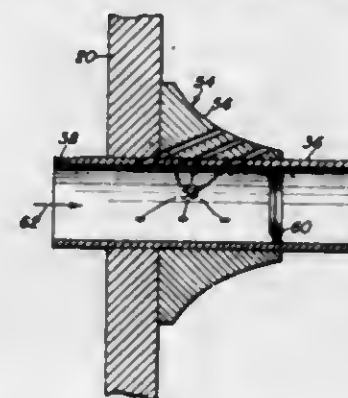


at right angles to the axis of the valve, and whereby when the valve body is secured in position the nozzle is tilted to point upwardly at an angle over the top edge of the can.

2,626,835

SPRAYING HEAD

Jason L. Frye, Denison, and Jason W. Frye, Fort Worth, Tex.
Application November 27, 1950, Serial No. 197,744
1 Claim. (Cl. 299—104)



In a spraying head, the combination of a pipe for conducting liquid under pressure, a substantially frustoconical flange secured to an intermediate portion of said pipe with its relatively large end facing upstream of the liquid flow, said flange and said pipe being provided in circumferentially spaced radial planes with rows of spraying orifices, the orifices in each row having straight parallel axes divergent from the axis of the pipe in the direction of liquid flow, each orifice extending from the inner wall of the pipe to the outer wall of the flange, and flow retarding means provided in the pipe substantially at the small end of said flange.

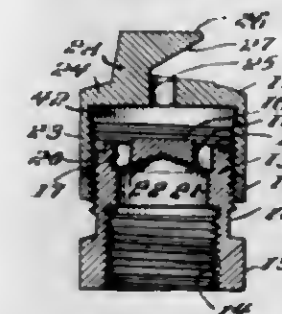
2,626,836

SPRINKLER HEAD

Charles Herron, Stillwater, Minn., assignor to Goodrich M. Sullivan, Stillwater, Minn.
Application November 16, 1949, Serial No. 127,546
1 Claim. (Cl. 299—127)

In a sprinkler head, the combination which comprises a cylindrical body having a web extended across the upper end and said web having a cylindrical centrally positioned boss extended from the outer surface, said web also having oppositely positioned openings extended there-through and said openings positioned between the periphery of the boss and the periphery of the body, said body having a hexagonal base

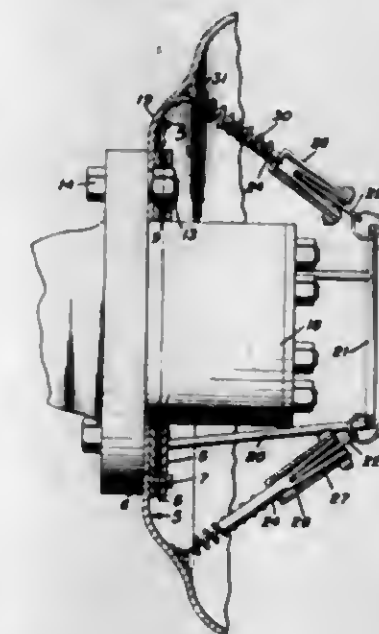
and the inner surface of the lower part of the body and the outer surface of the upper part of the body being provided with threads, a nut having a hexagonal body with a cylindrical cavity therein and the inner surface of said body being threaded to receive the threads of the upper part of said cylindrical body, and a nut having a centrally disposed frusto-conical shaped section extended from the outer end and a centrally positioned opening extended through said outer end, said nut being threaded on the upper end



2,626,837

WHEEL LUG LOCKING RING

George E. Wilson and John K. Vaughan, El Paso, Tex.
Application October 2, 1950, Serial No. 187,918
2 Claims. (Cl. 301—9)

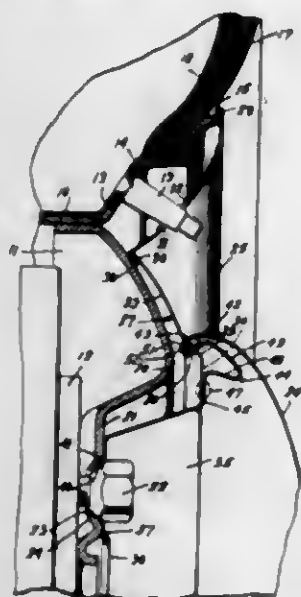


1. A wheel lug lock comprising inner and outer rings, means carried by the inner ring lockably engaging the lugs of a wheel, and means connecting the outer ring to the wheel to hold the inner ring engaged with the lugs, said last-named means including an expansible spring, a locking handle, toggle means connecting the handle to the ring, and toggle means connecting the handle to the spring for holding the spring under tension to pull the inner ring inwardly against the wheel.

2,626,838

WHEEL COVER

George Albert Lyon, Detroit, Mich.

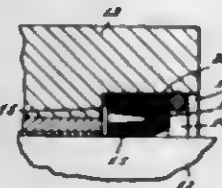
Application January 20, 1947, Serial No. 723,172
14 Claims. (Cl. 301—37)

1. In a wheel structure including a tire rim and a body part, the tire rim having a valve stem aperture and the body part having a plurality of centrally disposed bolt-on apertures, a cover assembly including a trim ring member extending in concealing relation to the tire rim and having its inner margin provided with a reinforcing flange resting against the wheel body, and an annular cover retaining ring member clampingly engaging the inner marginal flange of the trim ring member and having a central apertured portion with the apertures thereof registering with the bolt apertures of the wheel body, the trim ring member having a valve stem aperture therein registering with the valve stem aperture in the tire rim and being rotatably adjustable relative to the retaining ring for effecting such registration of the valve stem aperture.

2,626,839

BEARING SEAL

William K. Creson and Matthew W. Berghoff, Lafayette, Ind., assignors to Ross Gear & Tool Company, Lafayette, Ind., a corporation of Indiana

Application June 23, 1945, Serial No. 601,150
2 Claims. (Cl. 308—36.1)

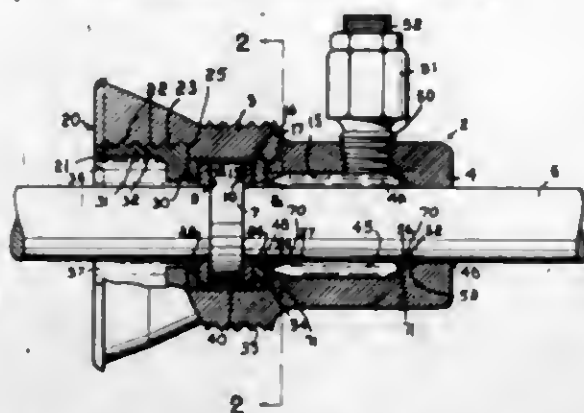
1. A sealing ring, comprising an annular body provided exteriorly with a plurality of closely-spaced, axially extending ribs and having at one end a frusto-conical flange which extends inwardly and toward the other end of the body, said body and flange being integral with each other and of resilient material, the end face of said body toward which said flange extends being relieved to leave a circumferentially continuous annular sealing surface materially narrower than the radial thickness of the ring body, and lying in a plane normal to the ring-axis; said annular body for the major portion of its axial extent having a radial thickness great enough to permit a substantial compression of the material adja-

cent said annular surfaces without the production in the remainder of the body of stresses sufficient to create any material distortion thereof.

2,626,840

SELF-TIGHTENING PACKING GLAND

Milton P. Laurent, Houston, Tex.

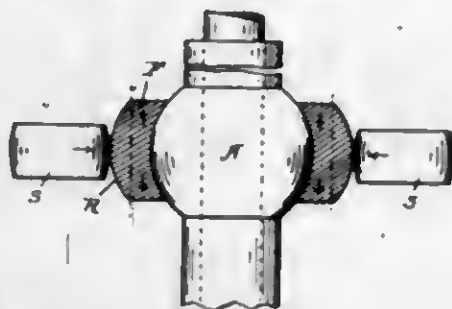
Application January 28, 1948, Serial No. 4,737
5 Claims. (Cl. 308—38.3)

1. A self-tightening packing gland comprising a hollow housing having one end thereof closed, a shaft movably mounted therethrough, an annular shoulder on said shaft, thrust washers mounted adjacent said shoulder and arranged to rotate with said shaft, thrust washers mounted in said housing arranged to contact said thrust washers on said shaft, a retainer nut secured in said housing to retain said shaft in position, there being a chamber formed around the shaft by said thrust washers mounted in said housing on the closed end of said housing, there being an opening through said housing and into said chamber, a pressure fitting in said opening, a pressure fluid in said chamber, deformable seal rings on said shaft adjacent said washers mounted in said housing and adjacent the closed end of said housing, said seal rings being deformable by the pressure fluid in said chamber to maintain a seal between said shaft and said washers and between said shaft and closed end.

2,626,841

SELF-ALIGNING BEARING

Lee R. Potter, Long Beach, Calif., assignor to Southwest Products Co.

Application July 23, 1945, Serial No. 606,678
2 Claims. (Cl. 308—72)

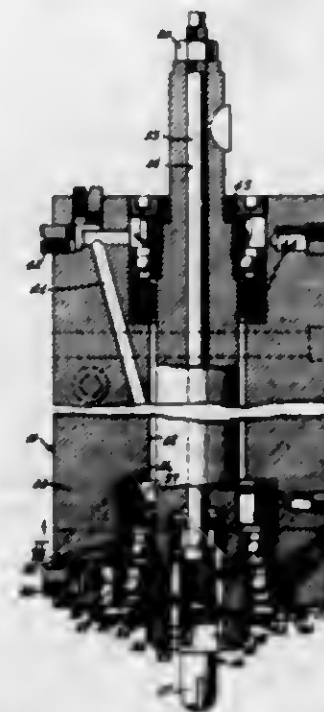
1. A self-aligning bearing construction involving inner and outer bearing members, said inner bearing member comprising a bearing ball having a spherical bearing surface and an axially disposed bore for receiving a shaft, a non-ferrous malleable metal single piece outer bearing race member having a spherical socket corresponding in shape to the spherical inner bearing member and having parallel radial end walls, said outer race member being stressed such that the metal adjacent the inner peripheral surface area is compressed and the metal adjacent the outer peripheral surface is under a stress tension to

form an unstretchable peripheral area which, when subjected to a rolling pressure, will cause the metal adjacent the inner peripheral surface to expand the ends of said outer bearing member in a direction away from the axis of the self-aligning bearing.

2,626,842

LOAD EQUALIZING DEVICE FOR THRUST BEARINGS

Arthur W. Burks, Decatur, Ill., assignor to Decatur Pump Company, Decatur, Ill., a corporation of Illinois

Application July 6, 1950, Serial No. 172,234
2 Claims. (Cl. 308—219)

1. In a machine tool router assembly, a plurality of thrust bearings, a spindle for exerting a rotary thrust on said bearings, a plurality of coupling members, each of said coupling members having a surface contact with a respective one of said thrust bearings for transmitting a thrust load therefrom, a housing member for absorbing the thrust load, and a non-compressible, flowable reactance member having a predetermined surface contact area with each of said coupling members and said housing member through which the thrust load is transmitted from said coupling members to said housing member, whereby the thrust load for each of said bearings is proportional to the contact surface area of the coupling member associated therewith, said housing having a passage communicating with said reactance member from externally of the housing for removal of fluid adjacent to the reactance member, and means for closing said passage after removal of fluid.

2,626,843

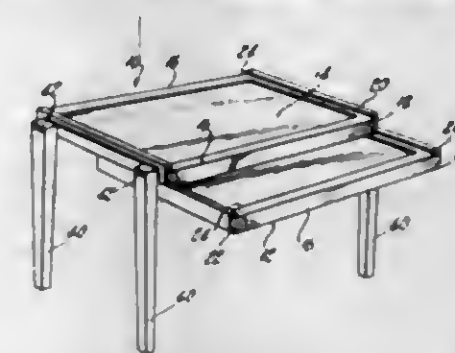
INTERFITTED AND INTERENGAGED NESTING TABLES

Joseph Shenker, New York, N. Y.

Application March 10, 1951, Serial No. 214,925
4 Claims. (Cl. 311—1)

1. In combination, a master table and a nesting table for interengagement with the master table, horizontally extending bars secured to the tops of the longitudinal marginal edges of the tables, support legs for both tables, said tables having substantially the same length and width, the support legs for the master table permanently secured thereto and depending vertically there-

from at the outer side of the side bars, the support legs for the nesting table being permanently secured thereto on the underside thereof adjacent the inner side of the side bars and pivotal against the underside of the nesting table, inter-

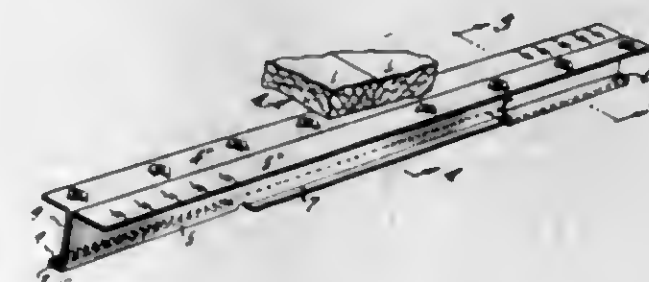


fitting and interengaging tongue and groove means on the master and nesting table whereby the nesting table may be releasably endwise interfitted and interengaged with the master table in flat-lying relation thereto.

2,626,844

METAL SLIDE ASSEMBLY FOR EXTENSION TABLES

Joseph Cooper, Forest Hills, N. Y.

Application January 11, 1949, Serial No. 70,210
1 Claim. (Cl. 311—71)

A slide assembly for tables consisting of two metallic bars each having a vertical section, said vertical sections of the two bars lying in abutment and each vertical section merging into an upper horizontal flange, the lower margin of each vertical section being formed with a relatively long horizontal flange projected outwardly in the same direction as the upper horizontal flange, and each bar having a channel flange at the end area of its lower horizontal flange and projected in a direction opposite thereto, the lower horizontal flange of each bar slidably entering the channel flange of the other bar, whereby the relative movement of the bars to extend the slide assembly will ultimately bring the interior ends of the channel flanges together.

2,626,845

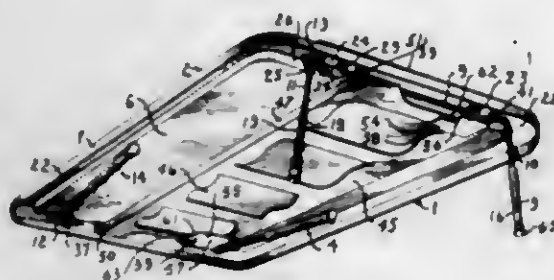
FOLDING TRAY

Lena Emma Dubach, Kansas City, Mo.

Application December 24, 1949, Serial No. 134,991
1 Claim. (Cl. 311—87)

A tray having a bottom portion recessed below a surrounding ledge portion which ledge portion has a downwardly extending flange spaced outwardly from sides of said recessed bottom portion to form downwardly opening channels along two opposite sides of said recessed bottom portion, leg members for supporting said tray and each having a horizontal rod portion contained within said downwardly opening channels and positioned within angles formed be-

tween under faces of said ledge portions and the sides of the recessed bottom, said leg members having lateral portions at ends thereof terminating in legs offset from the rod portions a distance substantially corresponding to the depth of the recessed bottom, bearings carried in said channels and journalling the ends of the horizontal rod portions of the leg members for movement of the leg members from tray supporting position with said lateral portions in bearing contact with the under face of said ledge portion to a folded position with the lateral portions in contact with the sides of the recessed bottom portion and with the legs in substantially parallel



contact with the under side of the recessed bottom portion, and a latch carried by a bearing member for each leg member, said latches having sliding plungers supported in position by said bearing members for movement across under sides of the adjacent lateral portions to retain the lateral portions in said bearing contact with the under face of the ledge portion when the leg members are in tray supporting position and for movement of the plungers across opposite sides of the lateral portions to retain the lateral portions in said contact with the sides of the recessed bottom when the legs are in said folded position whereby the leg members are substantially immovable in said respective positions.

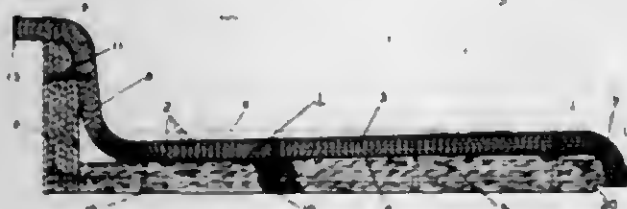
2,626,846

DRAINBOARD AND SPLASH BACK

Hubert C. Morris, Portland, Oreg.

Application October 31, 1949, Serial No. 124,645

4 Claims. (Cl. 311-106)



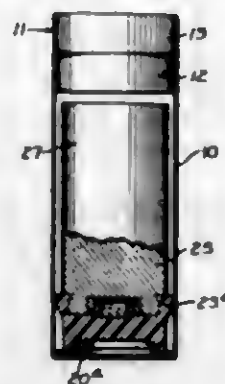
2. A drain board and splash back comprising a plurality of water-proofed bonded laminated layers pre-formed to provide a short downwardly-extending front wall section, a drain board section sloping slightly downwardly from front to rear, an upwardly-extending splash section, and a rearwardly-extending ledge section along the top edge of said splash section, relatively spaced transversely-extending and longitudinally-extending reinforcing means secured to the underside of the drain board section, the front ends of said transversely extending reinforcing means being recessed on the underside, an edging strip extending along the bottom edge of said front wall section and extending into the recesses in the underside of the reinforcing means to secure the front wall section to said reinforcing means, and a protecting edging strip extending along the rear edge of said ledge section and extending beyond the longitudinally-extending reinforcing means.

2,626,847
APPLICATOR FOR SEMISOLID STICK MATERIAL

Frank E. Brown, Burbank, Calif., assignor to F. M. Turnbull, Los Angeles, Calif.

Application July 31, 1951, Serial No. 239,479

4 Claims. (Cl. 312-31.1)



3. In an applicator for semisolid stick material, the combination of a cylindrical shell, a unitary and imperforate cup-shaped plunger freely slidably carried within said shell, the side wall of said plunger being normally outwardly flared toward the open end of said cup, flexible, and in sealing relation with the inner wall of said shell throughout an annular band adjacent the open end of said cup, the flared side being distorted inwardly by said shell and surrounding an end of a stick of semisolid material and thereby gripping and retaining said stick on said plunger when said side wall engages the inside of said shell.

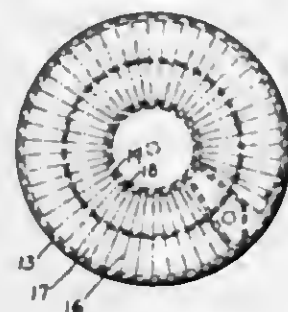
2,626,848

DISPENSER FOR BOOK MATCHES

Burton H. Locke, Framingham, Mass.

Application March 28, 1951, Serial No. 218,037

4 Claims. (Cl. 312-42)



1. A dispenser for book matches comprising a receptacle and a slip-on cover therefor, said receptacle comprising a base plate having an outer and inner wall disposed substantially perpendicular thereto and forming an annular cavity therebetween, said cavity being suitable to receive a plurality of books of matches on edge, a baffle connecting the said outer and inner walls and bridging the said cavity, a relatively narrow vertical opening in the said outer wall adjacent to the said baffle to permit manual dispensing of the books of matches therethrough one at a time, a finger clearance opening through the outer wall of the receptacle connecting to the first said opening and on the opposite side thereof to the said baffle, a finger clearance opening in the said baffle, said finger clearance openings being disposed in cooperative relationship to facilitate manual dispensing of books of matches through the first said opening, said cover comprising a plate having an outer wall disposed to cooperate with the said outer wall of the said receptacle and thereby effect positioning of the cover on the said receptacle, a baffle on said cover and disposed to extend down into the cavity of said

receptacle to contact any books of matches that may be housed therein and move the same around in the said cavity upon a rotatable movement of the said cover on the said receptacle.

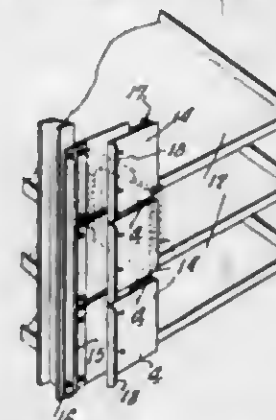
2,626,849

CONTROL GATE FOR BOTTLE VENDING MACHINES

Frazier N. James, Dallas, Tex., assignor, by direct and mesne assignments, to Lone Star Vender Corp., Dallas, Tex., a corporation of Delaware

Application January 26, 1950, Serial No. 140,649

4 Claims. (Cl. 312-48)



1. In a bottle vending machine having a vertical bottle delivery magazine and a vertically spaced series of inclined feeder magazines communicating therewith, a control gate at the discharge end of each of said feeder magazines for preventing premature release of bottles therefrom, said gate comprising a plate hinged along a vertical edge to a side of said vertical magazine and adapted to be held in closed position by pressure of bottles in said vertical magazine, said gates having a lower extension overlapping the next lowest gate to interlock said gates from the lowest to the highest gate of the assembly and means protruding from the surfaces of each of said gates for maintaining parallelism of bottles in said delivery and feeder magazines.

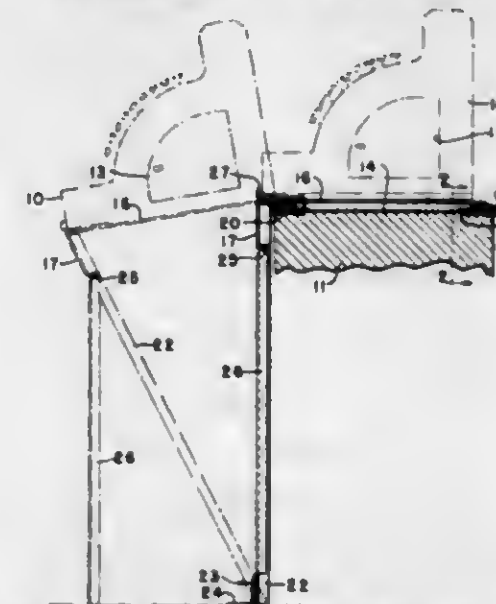
2,626,850

MOVABLE COUNTER TOP

Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application June 14, 1950, Serial No. 168,018

2 Claims. (Cl. 312-140.4)



1. In a device of the class described, a counter top; a guide member secured to the counter top, said guide member provided with guide tracks; a movable platform normally resting on the guide

member, said platform adapted to support a machine; projections on the platform extending into the guide tracks by means of which the platform is guided in its movements; a framework including a plurality of legs and a cross bar located near the lower ends of the legs; angle bars constructed of flexible material and connected to the cross bar to provide an anchor for the framework, said angle bars being secured to the floor of a room; a flexible apron on the platform connected to the upper end of the framework, said flexible angle bars and flexible apron providing means to permit the platform to be moved from its normal position into a moved position without disconnecting the framework from the platform or the floor; and means on the framework and movable therewith and relatively thereto to provide a support for the platform when in moved position.

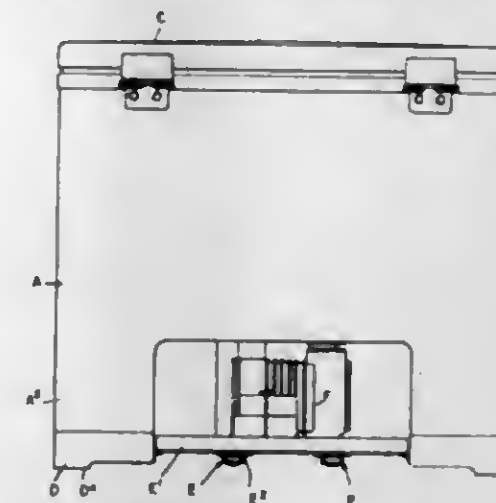
2,626,851

BASE ASSEMBLY FOR MECHANICAL REFRIGERATORS AND THE LIKE

Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application September 29, 1947, Serial No. 776,746

2 Claims. (Cl. 312-253)



1. A refrigerated cabinet comprising outer sheet metal cabinet structure having front, rear and side walls, the central lower portion of said rear wall being cut away to provide an access opening through which operating mechanism may be inserted and withdrawn, the lower edge of said front and side walls and the end portions of said rear wall being turned inwardly to form supporting flanges, a generally C-shaped supporting base for said cabinet structure comprising an elongated unitary member having a front, side and rear portions connected by rounded corner portions, said rear portions extending toward each other from the rear end of said side portions and being spaced apart to extend said access opening in said cabinet downwardly below the cabinet structure, said base being of inwardly open channel form having a vertical web, an upper horizontal flange on which the intumed flange of said cabinet structure is supported, and a lower horizontal flange, the vertical web of said base extending downwardly at the corners of said base below remaining portions thereof to displace the lower flange of said base at the corners downwardly below remaining portions of said flange to form supporting feet, a frame insertable and removable through said access opening, said frame including a rear bar, and means for attaching the ends of said bar to the inner ends of the rear portions of said base to secure said frame in position and to tie the rear portions of said base together.

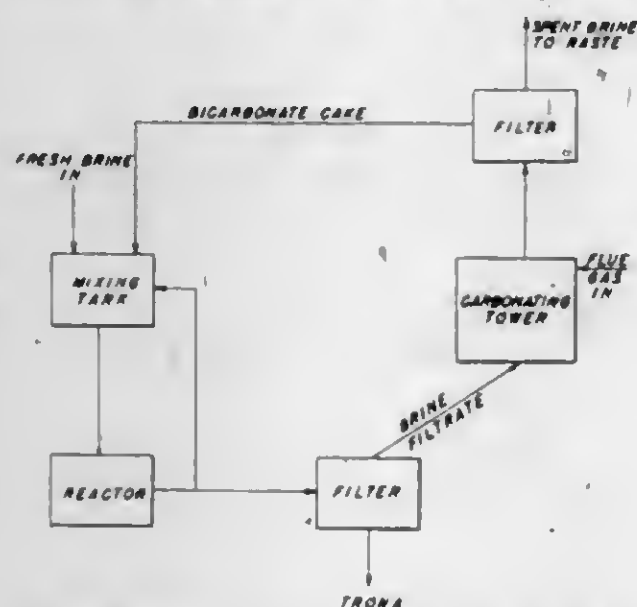
CHEMICAL

2,626,852

PRODUCTION OF SODIUM SESQUICARBONATE FROM A BRINE CONTAINING A SUBSTANTIAL SODIUM CARBONATE CONTENT

Alva C. Byrns, Concord, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

Application April 6, 1949, Serial No. 85,763
3 Claims. (Cl. 23-64)



1. A cyclic method of recovering soda values from sodium carbonate brine containing a substantial Na_2CO_3 content, which comprises reacting a quantity of the brine with sodium bicarbonate to precipitate sodium sesquicarbonate, until the alkalinity of said brine is reduced to a point such that in the next stage substantially no sodium sesquicarbonate is precipitated, separating the precipitate of sodium sesquicarbonate from the mother liquor, treating the mother liquor with carbon dioxide to precipitate sodium bicarbonate, separating sodium bicarbonate from the bulk of the mother liquor and reacting the separated sodium bicarbonate with a further quantity of said brine to precipitate a further quantity of sodium sesquicarbonate.

2,626,853

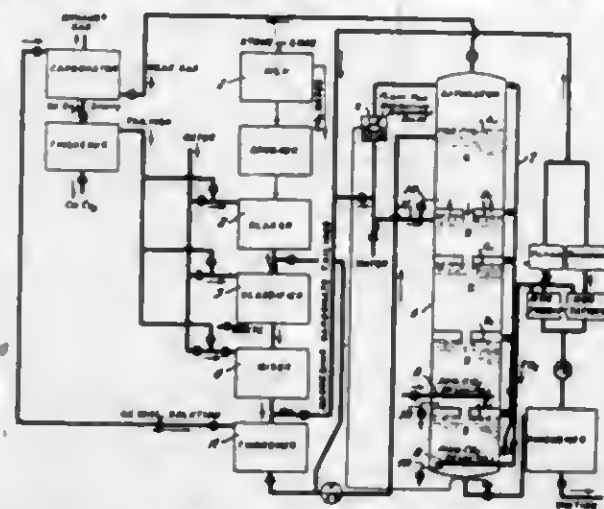
SELECTIVE CARBONATION OF SLURRIES AND MIXTURES OF CALCIUM AND MAGNESIUM HYDROXIDE

George M. Armstrong and H. Albert Cook, Plymouth Meeting, Pa., assignors to The Philip Carey Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

Application August 15, 1949, Serial No. 110,346
6 Claims. (Cl. 23-67)

4. In the manufacture of highly concentrated magnesium bicarbonate solution from a slurry composed primarily of a mixture of magnesium and calcium hydroxides formed from the substantially complete calcination of dolomite, a continuous sequence of carbonation steps in a series of zones including the steps of carbonating to calcium carbonate substantially only the calcium hydroxide of the slurry in the first of said zones, passing the partially carbonated slurry to the second of said zones, cooling and diluting the partially carbonated slurry by mixing therewith aqueous tailings containing magnesium salts and carbon dioxide, gradually carbonating the

slurry being passed through said second zone with a gas containing from 8 to 50% of carbon dioxide, thereby minimizing the formation of normal magnesium carbonate, continuously passing the gradually carbonated slurry into a third zone, carbonating the slurry with substantially pure carbon dioxide to form a highly concentrated magnesium bicarbonate solution, separating the sludge of calcium carbonate from the magnesium bicarbonate solution while maintaining said so-



lution and sludge under a pressure of carbon dioxide, thereby minimizing the formation at this separating stage of normal magnesium carbonate, passing the slurry to a thickener for separating out the calcium carbonate and maintaining an absolute pressure of about one atmosphere of carbon dioxide on this final thickener and the pipe lines, pumps, meters and heat exchangers thereby preventing the decomposition of the magnesium bicarbonate to normal magnesium carbonate.

2,626,854

PURIFICATION OF CUPROUS OXIDE

Joseph W. Ayers, Easton, Pa., assignor, by mesne assignments, to C. K. Williams & Co., East St. Louis, Ill., a corporation of Delaware

No Drawing. Application June 1, 1946,
Serial No. 673,891

3 Claims. (Cl. 23-147)

1. A process for substantially quantitatively separating both zinc oxide and cuprous oxide from an impure cuprous oxide mass containing a minor amount of zinc oxide which comprises, mixing together said impure cuprous oxide mass and a weakly acidic sulfuric acid solution having a pH value of not less than 3 and selectively reacting the zinc oxide with the sulfuric acid in said solution thereby forming zinc sulfate in the solution and leaving the cuprous oxide as a residue, separating said solution containing substantially none of the copper from the cuprous oxide residue containing substantially none of the zinc.

2,626,855

SEAFOOD SPOilage INDICATING SYSTEM

Wilfred C. Hand, Mountainside, N. J.
Application June 26, 1950, Serial No. 170,367

9 Claims. (Cl. 23-230)

4. A method of indicating spoilage in solid foodstuffs which consists of inserting an elongated sharp pointed indicator into the interior of the foodstuffs, withdrawing the same and then ob-

JANUARY 27, 1953

CHEMICAL

1057

serving any noticeable color change in the indicator without marring of such foodstuffs, said indicator being a complex organic compound giving a brilliant color change in the presence of toxic materials and being active at a pH range



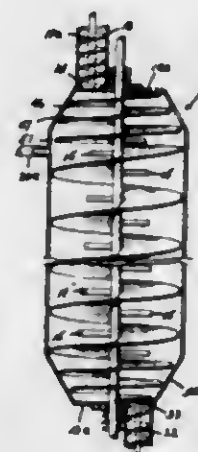
of 6 to 8 and particularly indicating the presence of amino condensation products resulting from putrid action and being selected from the group consisting of phenol red, circumin and hematoxylin.

2,626,856

GAS-SOLID EXTRUSION REACTOR

George J. Alles, Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application June 22, 1946, Serial No. 34,532
5 Claims. (Cl. 23-284)

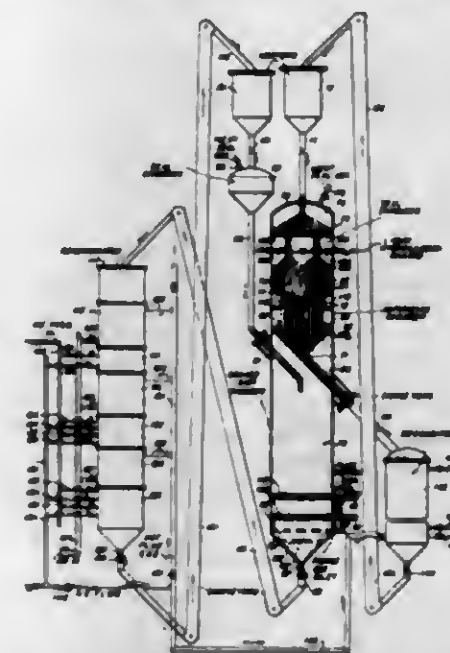


1. An apparatus for treating substantially solid materials comprising a stationary vessel having a side wall of circular cross section and end walls, a helical conveyor supported rotatably and coaxially within the vessel extending closely to said walls for rotation at close clearance with all portions of the walls, the side wall and the succeeding turns of the conveyor enclosing and defining a series of spaces through which material is continuously transferred, the side wall and the periphery of the conveyor being contoured and the conveyor being pitched to provide some of said spaces in maximum size in an intermediate section of the apparatus and progressively smaller spaces in opposite directions toward the end-walls, an opening through one end-wall for feeding material into the vessel, an opening through the other end-wall for discharging material from the vessel, means for rotating the conveyor in the direction producing transfer of the material from the feed opening to the discharge opening, means for delivering material to the feed opening at a rate greater than the transfer rate of the turns of the conveyor adjacent the end-wall having the feed opening to compact the material entering the vessel into substantially gas impervious condition.

2,626,857 APPARATUS FOR HYDROCARBON CONVERSION

John A. Crowley, Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Original application February 18, 1947, Serial No. 729,249, now Patent No. 2,571,342, dated October 16, 1951. Divided and this application October 8, 1947, Serial No. 778,659
4 Claims. (Cl. 23-288)



1. An apparatus for effecting conversion of high boiling liquid hydrocarbons to lower boiling gaseous hydrocarbons which comprises: a substantially vertical, elongated vessel, a partition extending across said vessel at an intermediate level along its length dividing said vessel into an upper vaporizing chamber and a lower final conversion chamber, means to introduce solid heat absorptive material particles into the upper section of said upper chamber, means to withdraw said solid material from the lower section of said upper chamber to a point outside of said vessel, means to introduce a particle-form catalyst into the upper section of said lower chamber, means to withdraw used catalyst from the lower section of said lower chamber, a liquid feed nozzle in the upper section of said upper chamber, piping extending into said upper chamber from the outside and connected to said feed nozzle for supplying liquid feed thereto, means defining a passage for gas flow from the lower section of said upper chamber through said partition to the upper section of said lower chamber, baffle means within said upper chamber adapted to prevent flow of solid material through said passage defining means, and means to withdraw gas from the lower section of said lower chamber.

2,626,858

CARBRO PROCESS

Richard F. McGraw, Sierra Madre, Lawrence Plotin, North Hollywood, and Werner G. Alexewicz, Burbank, Calif., assignors, by mesne assignments, to Richard F. McGraw, doing business as McGraw Colorgraph Company, Burbank, Calif.

Application December 11, 1945, Serial No. 634,278
1 Claim. (Cl. 41-41)

In a carbro process for producing from a film of soft pigmented gelatin a pictorial image composed of relatively insoluble pigmented gelatin, the method of obtaining clear highlights in such an image comprising the steps of providing an assembly having a film of unsensitized soft pig-

mented gelatin coated on one side of a stripping support which forms a strippable bond for the gelatin, the inner face of said film being protected from contact with the atmosphere by the stripping support and the outer opposite face being exposed to the atmosphere, soaking the assembly and while it is wetted, contacting the same directly to a water insoluble support but with the said outer opposite face of said gelatin film in direct contact with the said last support and removing the said first protective stripping support from the said inner face of the film to un-

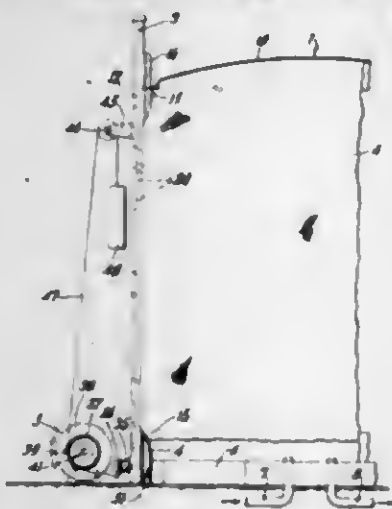


cover the previously protected face of the film in condition free of contamination by relatively insoluble gelatin, sensitizing the gelatin film in a sensitizing solution of carbonyl type, then contacting the uncontaminated face of the sensitized gelatin film with a positive bromide print to produce in the previously protected face of the gelatin film a carbonyl latent image in the form of relatively insoluble portions of gelatin, then transferring the film to a third support and developing the latent image in the transferred film by dissolving away the relatively soluble portions of the gelatin.

2,626,859

GAS HOLDER

Howard A. Fromson, New York, N. Y.
Application January 8, 1951, Serial No. 204,939
7 Claims. (Cl. 48-178)



1. A gas-holder consisting of a gas-impregnable, flexible bag positioned within a metal supporting structure having at least four sides of variable height, which comprises a metal top positioned on top of the gas-impregnable bag and supported thereby when the bag is inflated with gas; at least four series of articulated metal slats attached to the outer edge of the said top; at least four pairs of end channels positioned vertically at spaced intervals around the edge of the said top but not attached thereto, each of which carries one end of the upper part of a series of slats; a reel attached to the last slat and means by which tension is maintained on the said reel which tends to cause it to wind slats of the attached series onto its surface.

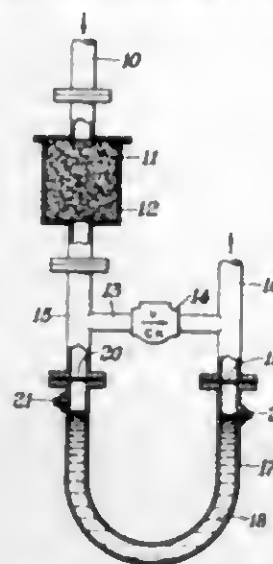
2,626,860

BACKFIRE ARRESTER

Charles J. Dorf, Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 21, 1949, Serial No. 106,055
11 Claims. (Cl. 48-192)

1. The combination with a fuel gas passage,

of porous material therein of a type adapted to assist in quenching a backfire flame, a supply pipe leading to said material, an outlet pipe leading from said material, a constriction in said outlet pipe, an elongated liquid container having an end connected with said outlet pipe on each



side of said constriction, and a frangible disk between said container and the outlet pipe on the down-stream side of said constriction, whereby any backfire surge of pressure is delayed by said constriction to rupture said disk and force liquid which may be placed in said container into contact with said porous material.

2,626,861

METHOD OF OBTAINING A PYROTECHNICAL COMPOSITION

Jean Léon Maurice Frejacques, Paris, France, assignor to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques, a French corporation

No Drawing. Application May 16, 1947, Serial No. 748,655. In France September 6, 1946
14 Claims. (Cl. 52-23)

1. A method of obtaining a pyrotechnical composition, which comprises adding to a hot saturated solution of potassium chlorate a small amount, in relation to the weight of said solution, of a surface active body selected from the group consisting of sulphonated derivatives of naphthalene and alkyl naphthalenes, sulphonated fatty alcohols, sulphonated paraffinic hydrocarbons, alkali salts of these sulphonated compounds, sodium salt of 3-6 disulpho-8-hydroxy alpha naphthalene-azo-phenyl-alpha-naphthylamine 8 sulphonate, sodium salt of 4:4'-disulphonated 1:1'-diamino-dinaphthyl-2:2'-bis-diazobenzidine, sodium salt of benzene-azo-7:7'-disulpho-5:5'-dihydroxynaphthyl-2:2'-urea-azo-p-acetyl-aminobenzene, sodium salt of dibenzyl-tetraethyl-triamino-triphenylcarbinol disulphonic acid anhydride, allowing potassium chlorate to crystallize and incorporating the so obtained crystals into the pyrotechnical composition.

2,626,862

METHOD OF KILLING PLANTS

Percy W. Zimmerman and Albert E. Hitchcock, Yonkers, N. Y., assignors to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y., a corporation of New York

No Drawing. Application June 30, 1950, Serial No. 171,574
6 Claims. (Cl. 71-2.7)

1. The method of suppressing the growth of plants which comprises applying to the plant a

composition comprising undecylenic acid dispersed in water at a concentration of from 0.3% to 10%.

2,626,863

DESULFURIZATION OF METALS AND ALLOYS BY SILICON

Hendrik de W. Erasmus, Lewiston, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application April 15, 1949, Serial No. 87,853
4 Claims. (Cl. 75-28)

1. Method for the solid phase desulphurization of ferrochromium which comprises incorporating with said ferrochromium to be desulphurized a quantity of silicon at least equal to that required stoichiometrically to form silicon sulphide with the sulphur to be removed from said ferrochromium; comminuting the material to be treated; and heating said comminuted material at very low subatmospheric pressure and at an elevated temperature sufficient to form silicon sulphide by reaction between the sulphur in said ferrochromium and the silicon incorporated therewith but below the melting point of the material being treated.

2,626,864

BUILDING BOARD OF FIBER AND ASPHALT COATED PERLITE

Jack Miscall, Pennington, N. J., and Chester E. Rahr, New York, N. Y., assignors to Great Lakes Carbon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 31, 1947, Serial No. 795,130
3 Claims. (Cl. 92-3)

1. A consolidated asphalt-expanded perlite composition useful as a building board consisting essentially of fibers and asphalt-coated essentially cellular expanded perlite, said fibers comprising 90-25% by weight of the composition and said coated perlite comprising 10-75% by weight of the composition, said perlite being less than 20 mesh size, having a bulk density of 1-20 pounds per cubic foot, and being coated with 1-150 pounds of asphalt per cubic foot of perlite, said asphalt melting at 100-250° F., said asphalt-coated perlite being present as essentially discrete particles, the length of said fibers being not substantially greater than 20 millimeters, the average length of said fibers being substantially greater than the average diameter of the perlite particles.

2,626,865

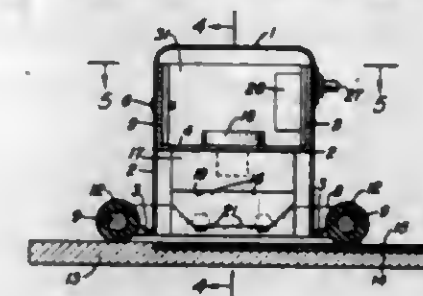
PORTABLE ELECTROPHOTOGRAPHIC POWDER-IMAGE TRANSFER MECHANISM

Clyde E. Mayo, Brighton, and Robert W. Benson, Brockport, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York

Application May 8, 1951, Serial No. 225,234
9 Claims. (Cl. 95-1.9)

1. A portable electrophotographic powder-image transfer mechanism comprising a carriage movable over a sheet of transfer material and including rolls coextensive in length with the width of the carriage and having continuous contact with the transfer material perpendicularly of their path of movement, and electrical discharge means comprising corona discharge wires connected to an external high voltage source and mounted on said carriage above the lowermost portions of the carriage entirely be-

tween said rolls whereby the electrical discharge means is movable in a selected path and over any portion of a sheet to which a powder-image



is to be transferred whereby the sheet of transfer material is engaged and held throughout its width by said rolls.

2,626,866

PROCESS OF FIXING LITHOGRAPHIC DIAZOTYPE PRINTING FOILS WHICH HAVE BEEN EXPOSED TO LIGHT

Wilhelm Neugebauer, Wiesbaden-Biebrich, and Jakob Barthenheier, Eddersheim-on-the-Main, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
Application January 13, 1949, Serial No. 70,802
In Germany October 1, 1948
8 Claims. (Cl. 95-5.4)



1. In a process for making a lithographic printing material, from photosensitive material sensitized with a light sensitive diazo compound which upon exposure to light decomposes into a fatty ink receptive substance, by exposing the photosensitive surface of said material to light through an original, the fixing method comprising the steps of treating said exposed surface of the material with an aqueous solution containing a water soluble organic colloid substance to coat said exposed surface of said material with a layer of said water soluble organic colloid substance and subjecting said coated material once more to the action of light without using an original, whereby said material will be no longer capable of being affected by light but upon removal of said water soluble organic colloid substance said material will be capable of functioning as a lithographic printing plate.

2,626,867

LIGHT-SENSITIVE PHOTOGRAPHIC ELEMENT

Lawrence J. Webster, Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 4, 1947, Serial No. 789,769
5 Claims. (Cl. 95-7)



1. A photographic element comprising a support bearing a gelatin silver halide emulsion layer containing finely divided particles of porous magnesium silicate having a particle size of 2 to 10 microns, a dry bulk density of 2 to 13 pounds per cubic foot and a specific gravity of 2.00 to 2.35, said particles being present in an amount of 0.005 to 0.6 part per part of gelatin by weight.

2,626,868

BIOSYNTHESIZED FEED AND METHOD OF MAKING THE SAME

George I. de Becze, Cincinnati, Ohio, assignor to Schenley Industries, Inc., a corporation of Delaware

No Drawing. Application June 16, 1948,

Serial No. 33,435

8 Claims. (Cl. 99-5)

1. A process for producing material containing animal-growth factors that comprises inoculating, with a culture of *Bacillus sphaericus* Neide, a liquid aqueous nutrient medium having an initial hydrogen ion concentration in the range of approximately pH 5.0 to pH 5.5, and cultivating the organism in the medium at a temperature in the range of approximately 28° C. to 34° C., while agitating and aerating the medium at the rate of approximately 50 to 300 liters of air per 1000 liters of medium per minute, for a period of approximately 24 to 48 hours, until the hydrogen ion concentration in the broth lies within the range of pH 7.5 to pH 8.0.

2,626,869

PRODUCTION OF RUTIN CONCENTRATES

Harry Miller, Kansas City, Mo.

No Drawing. Application January 12, 1950,

Serial No. 138,269

12 Claims. (Cl. 99-11)

1. A process of treating buckwheat to recover valuable products therefrom which comprises, subjecting cut green buckwheat to mechanical pressure to expell the natural juice, quickly cooling the juice, adjusting the juice to alkalinity, subjecting the juice to a liquid-solids separation and recovering a solids fraction enriched in rutin and carotenes.

2,626,870

WAX AND SILICONE OIL AUTO POLISH

Henry H. Cooke and Dominick Russo, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 5, 1949,

Serial No. 131,244

2 Claims. (Cl. 106-10)

1. An emulsion polishing composition of the oil in water type consisting essentially of a straight chain polydimethyl siloxane having a viscosity of no more than 500 centistokes at 25° C. in an amount of from about 0.001 to 5% by weight, a wax in an amount of about from 1 to 5% by weight, an abrasive in an amount of about 5 to 15% by weight, an emulsifying agent of the bodying type in an amount of about from 0.2 to 4% by weight, a hydrocarbon solvent for the wax in an amount of about from 3 to 25% by weight, a water soluble wetting agent selected from the group consisting of synthetic non-ionic and anionic wetting agents in an amount of less than 1% by weight and the balance water.

2,626,871

CHEMICALLY BONDED CARBON REFRACTORY

William K. Zinszer, Pasadena, Calif., assignor to to Gladding, McBean & Co., Los Angeles, Calif., a corporation of California

No Drawing. Application November 14, 1949,

Serial No. 127,260

4 Claims. (Cl. 106-56)

2. A method of making an unburned, compressed and formed refractory resistant to the action of molten metal and slags comprising: blending 25%-95%, by weight, of granular coke

with 75%-5%, by weight, of a refractory clay and introducing into the mixture aqueous solutions of aluminum chloride and an inorganic, water-soluble reagent containing a phosphoric acid radical, said solutions being adapted to combine and form a refractory, bonding agent and a volatilizable by-product, said bonding agent being aluminum phosphate; molding the mixture into desired shape and drying the molded shape.

2,626,872

ASPHALT BUILDING BOARD

Jack Miscall, Pennington, N. J., assignor to Great Lakes Carbon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 2, 1948,

Serial No. 30,621

1 Claim. (Cl. 106-122)

A building board consisting essentially of about 35% to about 57% of granular expanded perlite, and about 65% to about 43% of asphalt melting at about 100° F. to about 250° F., said board having a density equivalent to about 25 to 60 pounds per cubic foot, said percentages being by weight of the board.

2,626,873

METHOD OF IMPREGNATING CLOTH FOR REPAIRING METAL SURFACES

Charles H. Allen, Upper St. Clair Township, Allegheny County, Pa., assignor to Atomized Materials Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 2, 1949,

Serial No. 125,172

2 Claims. (Cl. 117-7)

1. The method of making composite sheet material which comprises impregnating a textile fabric with a solution consisting of polyvinyl chloride acetate maleic acid resin copolymerized to contain approximately an 86-13-1 ratio of the three components and vinyl chloride acetate copolymer without the maleic acid modification dissolved in a thinner consisting essentially of a ketone or ester type solvent and an aromatic hydrocarbon diluent in 40-60 ratio by weight of solvent to diluent, blended 90 per cent or more with a solution having 20 per cent ethyl methacrylate polymer, 10 per cent methyl methacrylate polymer and 10 per cent normal butyl methacrylate polymer with 60 per cent of aromatic hydrocarbon, removing the excess solution from the impregnated fabric and driving off the solvent to produce a stiffened fabric composition which may be resoftened by use of a ketone solvent.

2,626,874

METHOD FOR FORMING SILICA AND FOR COATING LAMP BULBS

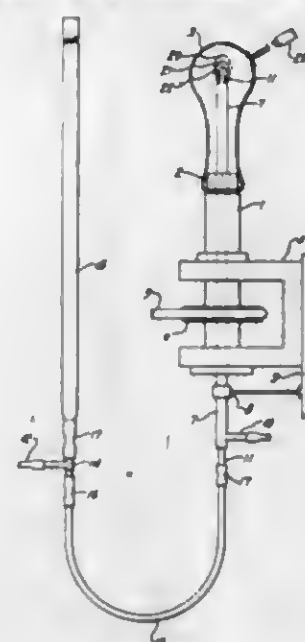
Marvin Pipkin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application June 30, 1948, Serial No. 36,036

5 Claims. (Cl. 117-18)

1. The method of providing glass electric lamp bulbs with a highly diffusing coating of extremely fine particles of amorphous silica which comprises carrying into the bulb a stream of combustible fluid having suspended therein finely divided particles of powdered silicon, burning the said fluid stream in the presence of oxygen in excess of the amount required to convert all the powdered silicon to silica and with the said stream adjusted to a sufficiently low velocity to ensure exposure of the silicon particles to the oxygen long enough

to be substantially completely oxidized, revolving the bulb about its axis, and maintaining the combustion for a sufficient time to produce a light-diffusing layer of a desired density on the inner



surface of the bulb while substantially simultaneously applying heat to the bulb to assist in removing moisture of combustion from the interior thereof.

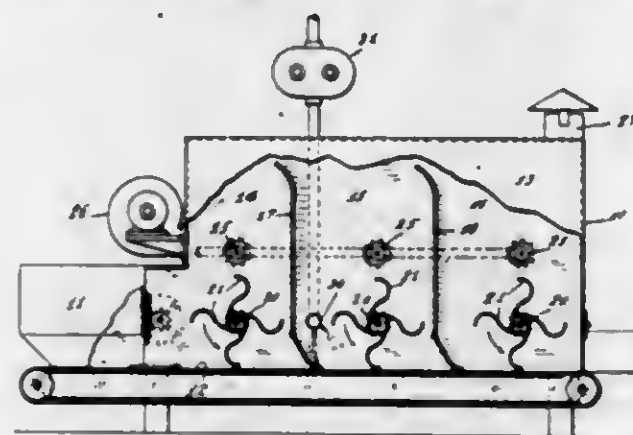
2,626,875

PROCESS OF PREPARING A PAVING COMPOSITION

Kenneth E. McConaughay, West Lafayette, Ind.

Application May 24, 1944, Serial No. 537,139

4 Claims. (Cl. 117-65)



1. A process for preparing a bituminous paving composition, comprising the steps of adding an emulsified bituminous binder to aggregate, mixing the aggregate and binder to distribute the latter as a coating over the surfaces of the aggregate particles, separating the mixture into discrete coated particles, and passing such discrete coated particles through an atmosphere having a temperature in the neighborhood of 1000° F.

2,626,876

ANTISTATIC TREATMENT OF ARTICLES COMPRISING A VINYL RESIN AND TREATED ARTICLES

Joseph J. Carnes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

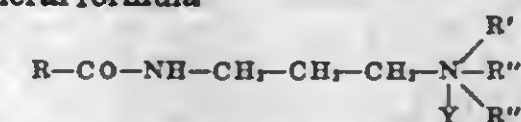
No Drawing. Application August 17, 1951,

Serial No. 242,433

11 Claims. (Cl. 117-138.8)

1. The method of conditioning a shaped article comprising a thermoplastic vinyl resin to lessen its tendency to accumulate static charges of electricity thereon, said method comprising applying

to the said article a volatile liquid containing a quaternary ammonium compound represented by the general formula



wherein R is a member of the group consisting of aliphatic and allycyclic radicals containing at least 7 carbon atoms, R' and R'' are members of the group consisting of alkyl and hydroxyalkyl radicals having from 1 to 3 carbon atoms, inclusive, R''' is a hydroxyalkyl radical having from 1 to 3 carbon atoms, inclusive, and Y is an anion, and the amount of the said liquid containing the said quaternary ammonium compound which is applied to the said article being such that the finished article has associated therewith from, by weight, 0.2% to 10% of the said quaternary ammonium compound, based on the weight of the dry, untreated article, and drying the thusly treated article.

2,626,877

TREATMENT OF ARTICLES COMPRISING A VINYL RESIN WITH AN ANTISTATIC AGENT AND TREATED ARTICLES

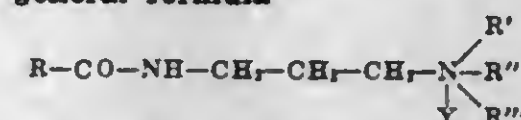
Joseph J. Carnes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 17, 1951,

Serial No. 242,434

13 Claims. (Cl. 117-138.8)

1. The method of conditioning a shaped article comprising a thermoplastic vinyl resin to lessen its tendency to accumulate static charges of electricity thereon, said method comprising applying to the said article a volatile liquid containing a quaternary ammonium compound represented by the general formula



wherein R represents an aliphatic hydrocarbon radical containing at least 7 carbon atoms, R' and R'' each represents an alkyl radical containing from 1 to 5 carbon atoms, inclusive, R''' represents a radical of the group consisting of alkyl, alkenyl and aralkyl radicals, and Y represents an anion, and the amount of the said liquid containing the said quaternary ammonium compound which is applied to the said article being such that the finished article has associated therewith from, by weight, 0.2% to 10% of the said quaternary ammonium compound, based on the weight of the dry, untreated article, and drying the thusly treated article.

2,626,878

SUGAR PURIFICATION

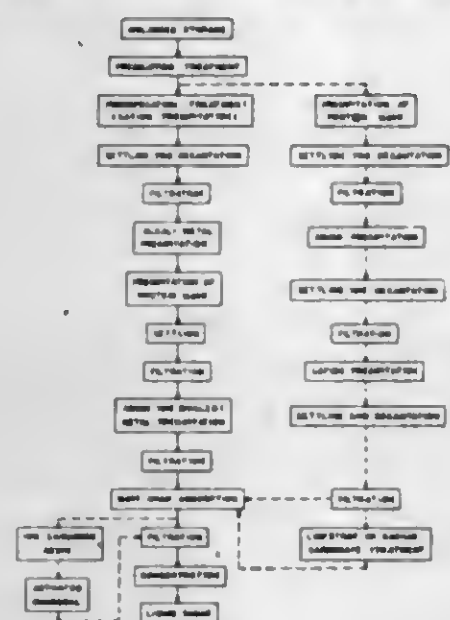
John Paul Bartz, Fort Lauderdale, Fla.

Application August 18, 1947, Serial No. 769,004

4 Claims. (Cl. 127-50)

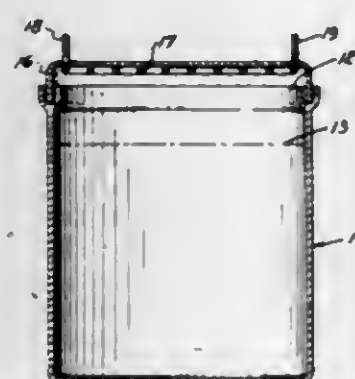
1. In the art of sugar manufacture the process for producing mono and disaccharide sugars in an edible and concentrated liquid state from a colored inedible aqueous molasses solution which comprises treating a molasses solution with 1/2 to 2% of a defecating acid together with 1/2 to 2% of an adsorbent earth and 1/2 to 2% of a decolorizing charcoal based on molasses weight at 0° to 60° C., and until a pH of 3.5 is reached to precipitate the cations of calcium, barium, iron, strontium, lead and other elements as insoluble compounds and to remove a portion of the highly colored pigments and resins; settling, decanting and filter-

ing, precipitating and adsorbing the potassium, sodium and lithium cations with 1 to 5% of hydrofluosilicic acid, 1 to 2% of fuller's earth and 1/4 to 1% of activated charcoal at 0° to 40° C., filtering, adding hydrated lime to adjust the molasses to a pH of 5 to 6, heating to 180 to 200° F. and adding basic aluminum acetate to precipitate proteins, adding hydrated lime to increase the pH to 10, allowing to settle from one to eight hours, decanting and filtering, adding 1/2 to 1% of alkaline earth metal hydroxide to partially remove sulfate, carbonate and phosphate anions, adding from 1 to 10% of a basic organic am-



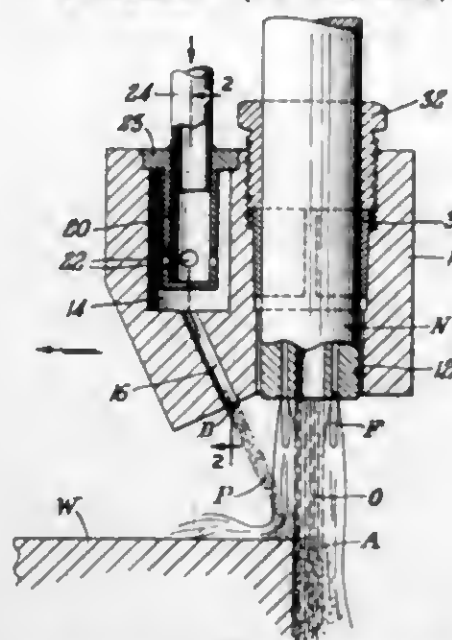
monia compound to remove the chloride anion, cooling to 32° F. and acidifying with 1 to 3% of oxalic acid to remove remaining traces of calcium and barium, filtering and circulating through columns of bone char at a temperature of 180 to 200° F. to remove coloring matter, filtering, passing through a cation exchanger to remove traces of objectionable cations in exchange for hydrogen ions and through an anion exchanger to remove remaining undesirable anions and acids and concentrating the resulting sugar solution to a Baumé of 30 to 42° whereby a liquid sugar is produced containing from 3 micrograms to 7 grams of B vitamins and other non-sugar solids per 100 grams of liquid sugar.

2,626,879
PROCESS OF REMOVING DEPOSITS
CONTAINING LEAD COMPOUNDS
Arthur Lazar, San Francisco, Calif.
Application June 12, 1950, Serial No. 167,658
11 Claims. (Cl. 134-39)



1. A method of removing deposits containing lead compounds from metal parts, said method comprising contacting the deposit-carrying metal parts with an aqueous solution of ammonium acetate.

2,626,880
THERMOCHEMICAL MATERIAL REMOVAL
Edward Meineke, Summit, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 7, 1950, Serial No. 166,645
8 Claims. (Cl. 148-9.5)



1. The method of thermochemical removal of material from a body of metal, which comprises directing against said metal body a preheat flame envelope, directing at least one separate stream of adjuvant powder consisting essentially of combustible ferrous metal particles inwardly and forwardly through said envelope in heating relation thereto from a point externally of said envelope, heating said metal particles substantially to ignition temperature during passage thereof through said flame envelope, and directing a stream of material removing oxygen against said body from within said preheat envelope concurrent therewith and in converging relation with said adjuvant powder stream.

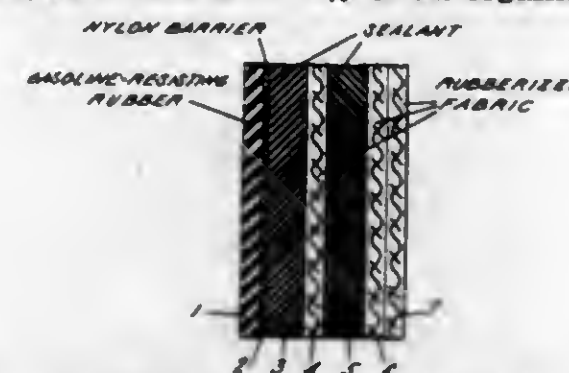
2,626,881
SOLDER FLUX AND METHOD OF
PREPARING THE FLUX
William H. Schoenfeld, Jr., Glen Ellyn, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 1, 1950, Serial No. 177,140
12 Claims. (Cl. 148-23)

3. A soldering flux comprising from about 7% to about 23.1% by weight of hydrogenated wood rosin and from about .25% to about 3% by volume of concentrated hydrochloric acid dissolved in a compatible volatile alcohol.

2,626,882
SELF-SEALING FUEL CELL
Roscoe H. Gerke, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 26, 1951, Serial No. 233,670
10 Claims. (Cl. 154-43.5)

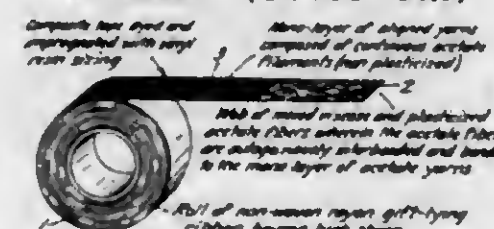
1. In a bullet-sealing fuel cell, a sealant layer comprising a zinc oxide-free vulcanizate of a non-crystallizable synthetic rubber selected from the group consisting of rubbery copolymers of butadiene and styrene, rubbery copolymers of butadiene and isoprene, and rubbery ternary copolymers of butadiene, isoprene and butyl acrylate, said synthetic rubber having in the uncured state a cohesive energy density of from 56 to 72, from 0.1 to 0.4% of sulfur, from 1 to 5% of an oxide of a metal selected from the group consisting of magnesium, calcium and barium, from

5 to 25% of rubber-reinforcing carbon black having an average particle size less than 0.070 micron, and from 0.5 to 4% of an organic accel-



erator of sulfur vulcanization, said percentages being by weight based on the weight of said rubber.

2,626,883
NONWOVEN RAYON FABRIC
Alvin W. Boese, White Bear Township, Ramsey County, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application June 3, 1950, Serial No. 166,031
3 Claims. (Cl. 154-53.6)



1. A non-woven rayon fabric of the character described, essentially consisting of a tissue-like web serving as the base layer and formed of a compacted carded mixture of staple viscose rayon fibers and plasticized staple acetate rayon fibers which both have a length of at least approximately one inch, said acetate rayon fibers being in the proportion of about 50 to 65% by weight and being autogenously interbonded at their crossing points to form a network within which the viscose rayon fibers are distributed, and a monolayer of aligned yarns of non-plasticized continuous acetate rayon filaments laminated to one face of said tissue-like web by autogenous bonding to said plasticized acetate rayon fibers, the composite rayon fabric being impregnated by a flexible water-resistant sizing that superficially coats the yarns without materially stiffening the fabric, and the fabric having a high sheen on the yarn side.

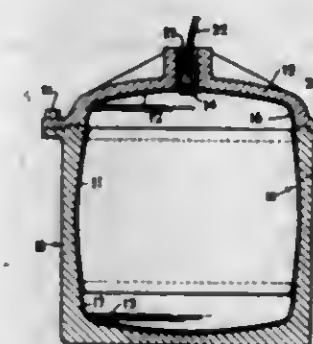
2,626,884
CARBON PAPER
William M. Ewing, Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application June 17, 1946, Serial No. 677,249
2 Claims. (Cl. 154-53.6)



1. A recording tape for a stylus recording instrument comprising, a relatively broad flexible base strip, first and second relatively narrow protecting strips extending longitudinally of said base strip formed by folding the edges thereof, a contact sensitive coating disposed continuously on the surface of said base strip intermediate said protective strips, said contact sensitive coating being adapted to be scored by a stylus and being substantially thinner than said protective

strips, said protective strips being of sufficient thickness to maintain said contact sensitive coating in noncontacting relationship to a substantially straight supporting surface contacting said two protective strips.

2,626,885
METHOD OF MAKING WASHING MACHINE
LINERS
Archie H. Gollings, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 4, 1947, Serial No. 777,933
2 Claims. (Cl. 154-83)

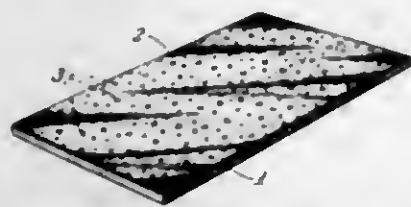


1. A method of making a washing machine liner adapted to fit the inside of a tub comprising the steps of forming cap-like bottom and top closure elements and a tubular body element from unvulcanized rubber sheeting, providing one of said closure elements with a fluid transfer valve stem, assembling said closure elements in marginally overlapped relation to said body element to form a fluid tight container, disposing said assembled container within a suitable mold the interior shape of which conforms to the exterior contour of the said container after molding, applying fluid pressure to the interior of said container through said valve stem to maintain the walls thereof in pressure engagement with the inner walls of said mold, and heating said mold to effect vulcanization of the rubber and a permanent fusion bond throughout said marginally overlapped areas thereof and to mold the container to predetermined configuration, removing the molded container from the mold, cutting a circular piece from the said closure member containing the valve stem forming a circular opening therethrough, said piece including said valve, forming an annular collar of resilient material adapted for attachment to the edges of the opening formed by the removal of said valve stem containing wall portion, to effect fluid tight sealing engagement between said collar and the walls of said container and to provide means for removable attachment of said collar to said tub.

2,626,886
LAMINATED SHEET AND METHOD OF
MAKING SAME
William M. Scholl, Chicago, Ill.
Application November 22, 1949, Serial No. 128,749
3 Claims. (Cl. 154-103)

1. A laminated material including a relatively thick sheet of flexible, cellular foam latex one side of which has coarser pores than the other, and a relatively thin thermoplastic film adhered to said latex sheet over said one side to seal the coarser pores.
2. The method of making a laminated sheet, including the step of spraying a thermoplastic

resinous film over the more porous side of a interface into the heavy liquid phase, and continuously transporting droplets of heavy liquid



cellular latex layer having a relatively porous side and a relatively non-porous side.

2,626,887

RAYON TIRE CORD AND METHOD OF MAKING SAME

Joseph C. Ambelang, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application May 3, 1949, Serial No. 91,219

8 Claims. (Cl. 154-136)

1. Rayon tire cord comprising rayon filaments carrying on the surface thereof 0.4 to 1.0% by weight of a finish consisting of approximately equal parts of a mineral oil and a polyalkene oxide having a molecular weight between 1000 and 10,000 together with a relatively small proportion of an alkali metal alkarylsulfonate containing at least 8 alkyl carbon atoms in the molecule.

6. Method of making rubber-reinforcing rayon filament, comprising applying to freshly formed rayon filament a dilute aqueous dispersion containing 0.4 to 1.0% by weight of a finish consisting of approximately equal parts of a mineral oil and a polyalkene oxide having a molecular weight between 1000 and 10,000 together with a relatively small proportion of an alkali metal alkarylsulfonate containing at least 8 alkyl carbon atoms in the molecule.

2,626,888

VITAMIN B₁₂-ACTIVE SUBSTANCE ELUTION FROM MONTMORILLONITE ABSORBENTS

Stephen Kutosch, Kenilworth, George B. Hughey, Metuchen, and Robert S. Malcolmson, Cranford, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application September 7, 1950, Serial No. 183,664

5 Claims. (Cl. 167-81)

1. The process for recovering vitamin B₁₂ active substances from a montmorillonite adsorbent which comprises eluting said vitamin B₁₂ active substances with an aqueous solution having a pH in excess of about 6 and containing an acid anion selected from the group consisting of cyanide and thiocyanate ions.

2,626,889

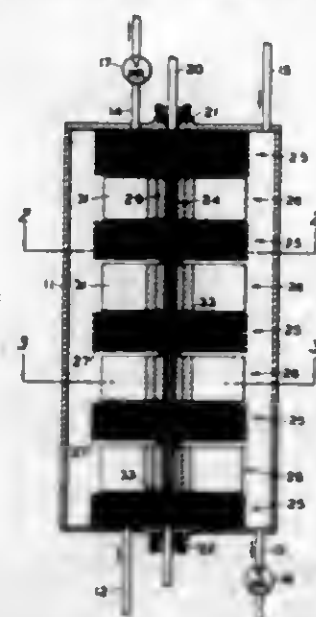
METHOD OF AND APPARATUS FOR LIQUID-LIQUID CONTACTING

Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 22, 1948, Serial No. 61,441

8 Claims. (Cl. 196-14.49)

1. In the art of liquid-liquid contacting, the steps which comprise effecting countercurrent flow of a heavy liquid and a light liquid through a mixing zone, centrifuging the liquid in the mixing zone to establish an interface between phases of heavy and light liquids, continuously transporting droplets of light liquid from a region within the light liquid phase through the



from a region within the heavy liquid phase through the interface into the light liquid phase.

2,626,890

SWEETENING GASOLINE

George W. Ayers, Chicago, Ill., and Erskine E. Harton, Laramie, Wyo., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application October 18, 1949, Serial No. 122,126

8 Claims. (Cl. 196-29)

1. The method of oxidizing mercaptans contained in substantially water-white hydrocarbon liquids to polysulfides comprising, agitating the hydrocarbon containing the mercaptan with an alkaline treating solution containing as a catalyst a sulfonated compound capable of promoting the oxidation of mercaptans to polysulfides from the group consisting of naphthoquinone, naphthohydroquinone, and alkyl, phenyl and alkoxy derivatives of the several compounds in amount sufficient to accelerate said oxidation, aerating the mixture and separating from the mixture a sweetened hydrocarbon having substantially the same water-white color as the untreated mercaptan containing hydrocarbon liquid.

2,626,891

GASOLINE TREATING PROCESS

Ernest R. Quiram, Elizabeth, and John B. Lewis, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 6, 1950, Serial No. 188,874

3 Claims. (Cl. 196-44)

1. The process for refining a gasoline consisting of contacting gasoline with a small percentage of lead tetra-acetate and thereafter separating the gasoline from the resulting precipitate.

2,626,892

CRACKING RESIDUAL FRACTIONS CONTAINING SALTS

John H. McCulley, Baytown, and Herbert P. Dayton, Channelview, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application December 9, 1950, Serial No. 199,952

3 Claims. (Cl. 196-50)

1. A cracking process which comprises heating a neutralized residual fraction from crude pe-

troleum having a salt content no greater than 0.6% by weight and containing organic and inorganic salts in excess of salts naturally present in the crude petroleum to a temperature in the range between 700° to 880° F. and below the cracking temperature of said residual fraction, separately heating a refractory gas oil fraction boiling in the range from 800° to 700° F. to a temperature in the range between 940° and 1050° F., separately charging said residual fraction and said gas oil fraction in a ratio in the

having an I. M. E. P. of 242 and consisting of an amount of aromatic hydrocarbons in the range between 60% and 80% by volume and the remainder predominantly paraffinic hydrocarbons, said remainder having an I. M. E. P. of at least 128 on addition thereto of 4 cc. of tetraethyl lead per gallon suitable for use in aviation fuels.

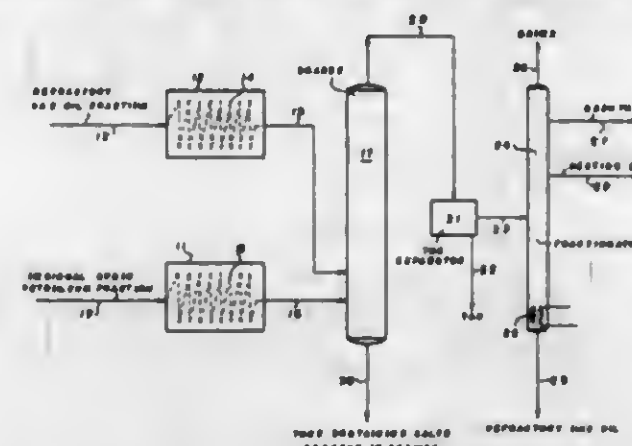
2,626,894

METHOD AND APPARATUS FOR PREVENTING COKE FORMATION IN DISTILLATION TOWERS

Jewell S. Palmer, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application August 25, 1948, Serial No. 46,156

4 Claims. (Cl. 196-139)



range between 1:1 to 1:1.4, to a reaction zone maintained at a pressure in the range between 500 and 800 pounds per square inch gauge, admixing the two fractions to cause heating of said residual fraction and cracking of same in the substantial absence of cracking of said gas oil fraction to form a product including light hydrocarbons, fuel oil, and coke containing substantially all of the salts present in said residual fraction, and separately recovering said light hydrocarbons and fuel oil and discharging said coke from said reaction zone.

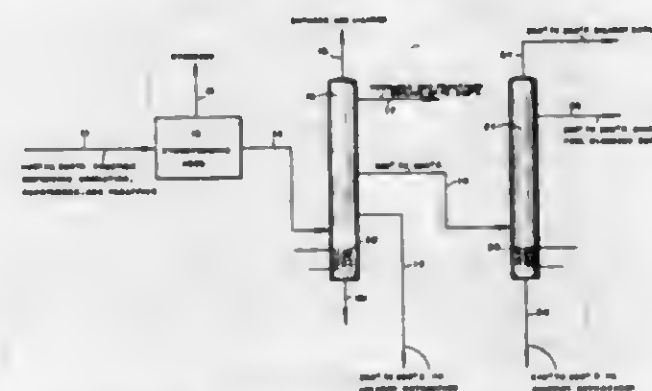
2,626,893

AVIATION FUEL BLENDING AGENT AND METHOD FOR PRODUCING SAME

Morris R. Morrow, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application March 28, 1949, Serial No. 83,979

4 Claims. (Cl. 196-73)



1. A method for obtaining an aviation fuel blending agent of improved anti-knock qualities which comprises forming a first fraction boiling in the range between 200° and 250° F. and consisting substantially of a major amount of aromatic and paraffinic hydrocarbons, said aromatic hydrocarbons being in excess of said paraffinic hydrocarbons, and minor amounts of naphthenic and olefinic hydrocarbons, said naphthenic hydrocarbons being in excess of said olefinic hydrocarbons, and distilling said first fraction under suitable conditions to obtain a second fraction boiling in the range between 220° and 245° F.



1. Apparatus for distilling hydrocarbons which comprises, in combination, a distillation tower provided with internal vapor-liquid contacting means and means for inducing reflux therein, a first conduit discharging into the lower portion of the tower as an inlet line defining substantially a right angle with the longitudinal axis of said tower, a second conduit discharging from the upper portion of the tower as an outlet line, a third conduit discharging from the lower portion of the tower below the inlet line, and a permanently fixed restriction means in the upper portion of the first conduit at the point it enters said tower defining an area of flow no more than $\frac{1}{4}$ and no less than $\frac{1}{8}$ the area of flow of the remainder of said first conduit, said restriction means defining an inner and outer surface with the outer surface cooperating with the interior surface of said first conduit to define a space, and insulation means filling said space.

2,626,895

ELECTROLYTIC PRODUCTION OF IRON

Clarence W. Balke, Highland Park, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York

No Drawing. Original application November 17, 1944, Serial No. 563,999. Divided and this application December 30, 1949, Serial No. 136,151

4 Claims. (Cl. 204-10)

1. The method of producing electrolytic iron for powder metallurgy purposes which comprises forming an aqueous bath containing ferrous chloride, ammonium sulphate and ferrous sulphate in the ratio by weight of from about 1:7:9 to about 1:23:32, electrodepositing the iron onto a cathode formed of a metal selected from the group consisting of columbium, tantalum, molybdenum and tungsten, removing the deposited iron from the

cathode and reducing the iron to powder form, the aqueous bath containing, in solution, from about 25 grams to about 40 grams of iron per liter and a sufficient amount of acid to maintain the pH slightly below the hydrogen ion concentration at which ferric hydroxide is precipitated.

2,626,898

PROCESS FOR PREPARING ALKALI METAL GREASES

John P. Dilworth, Fishkill, George W. Eckert, Glenham, and William J. Coppoc, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application November 3, 1950,

Serial No. 194,028

13 Claims. (Cl. 252—33.3)

1. Lubricating greases comprising mainly a dehydrated mixture of 15 to 25 per cent alkali metal soaps of a soap-forming material having an iodine number of at least 40, 60 to 80 per cent mineral oil and 1 to 3 per cent alkali metal hydroxide, said mixture having been subjected to digestion at a temperature of 300 to 390° F. and at an air pressure of 50 to 120 pounds per square inch for at least 5 hours.

2,626,897

ALUMINUM SOAPS

Willbur A. Young, Wakefield, and John C. Zaborski, West Warwick, R. I., assignors to Sun Chemical Corporation, Long Island City, N. Y., a corporation of Delaware

No Drawing. Application March 28, 1951,

Serial No. 218,082

14 Claims. (Cl. 252—35)

8. A lubricating grease comprising mineral oil and from approximately 2% to approximately 20% by weight of the grease of an aluminum soap of a plurality of soap-forming acids, said acids consisting for approximately 98%—75% by weight of a saturated higher fatty acid of at least 16 carbon atoms and for approximately 2%—25% by weight of dimerized linoleic acid and an acid of the group consisting of saturated organic carboxylic acids of from 4 to 10 carbon atoms, each of the latter two acids constituting not less than 1% and not more than 15% by weight of the total amount of the said soap-forming acids.

2,626,898

PROCESS FOR PREPARING ALKALI METAL GREASES

John P. Dilworth, Fishkill, George W. Eckert, Glenham, and William J. Coppoc, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application October 26, 1950,

Serial No. 192,376

12 Claims. (Cl. 252—42.1)

1. A process for preparing alkali metal greases which comprises saponifying a mixture of a mineral lubricating oil fraction, an aqueous solution of alkali metal hydroxide and a soap-forming material selected from the group consisting of soap-forming acids, soap-forming esters and mixtures thereof, said alkali metal hydroxide being in excess of the stoichiometric amount required for saponification of said soap-forming material, dehydrating said mixture and digesting said saponified and dehydrated reaction mass at an elevated temperature of 300 to 390° F., at an air pressure of 50 to 120 pounds per square inch for a period of at least five hours, cooling and drawing said reaction mixture.

2,626,899

GREASE COMPOSITIONS

Stanley T. Abrams and Fred H. Stross, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 26, 1950,

Serial No. 170,480

17 Claims. (Cl. 252—46.4)

9. A grease composition comprising a major amount of lubricating oil, a cation exchange inorganic colloid dispersed therein, said colloid bearing at least 30% by weight thereof of hydrophobic cationic surface-active radicals, at least 50% of said radicals being in salt formation with an acid, said acid having an acid group containing an element having an atomic weight between 28.0 and 32.1.

2,626,900

POLYPROPYLENE BENZENE SULFONATE DETERGENT COMPOSITIONS CONTAINING TETRASODIUM PYROPHOSPHATE

Samuel A. Russell, III, Chicago, Ill., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 29, 1949,

Serial No. 73,659

3 Claims. (Cl. 252—138)

1. A detergent composition consisting essentially of "polypropylene" benzene sodium sulfonate, in which the "polypropylene" radicals contain an average of between 13 and 15 carbon atoms and comprise a substantial proportion of "pentapropylene" radicals, and for about each one part by weight of polypropylene benzene sodium sulfonate (dry basis), between 1 and 3 parts of sodium sulfate and between 1/2 and 4 parts of tetrasodium pyrophosphate.

2,626,901

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,

Serial No. 226,322

4 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being obtained by the oxypropylation of a member selected from the class consisting of organic solvent-soluble allyl starch and polymerized allyl starch; said oxypropylation involving 5 to 50 parts by weight of propylene oxide per unit weight of the allyl starch derivative.

2,626,902

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

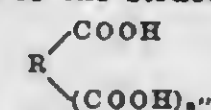
No Drawing. Application December 1, 1950,

Serial No. 198,751

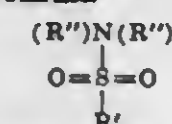
11 Claims. (Cl. 252—336)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said

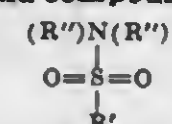
hydrophile synthetic products being a cogeneric mixture selected from the class consisting of acidic fractional esters and acidic amide derivatives obtained by reaction between (A) a polycarboxy acid of the structure



in which R is the radical of a polycarboxy acid and n' is a whole number not over 2; and (B) a compound having 2 reactive hydrogen atoms obtained by the oxypropylation of a sulfonamide and having the formula



in which R' is a member of the class of aromatic hydrocarbon radicals and oxygen-interrupted aromatic hydrocarbon radicals having a single ether linkage, with the proviso that the entire class be free from any radical having more than 7 uninterrupted carbon atoms in a single group; and R'' is selected from the class consisting of hydrogen atoms, and the monovalent radical (C₂H₅O)_{n''}H in which n'' is a whole number not greater than 80; said compound



being water-insoluble and kerosene-soluble; with the final proviso that the ratio of (A) to (B) be 2 moles of (A) for one mole of (B).

2,626,903

PROCESS FOR BREAKING PETROLEUM EMULSIONS

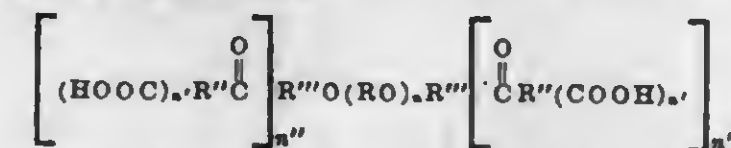
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 1, 1950,

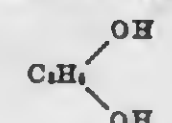
Serial No. 198,754

9 Claims. (Cl. 252—340)

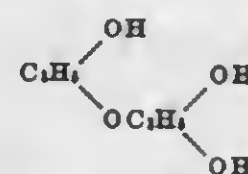
1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the formula



in which R'''O(RO)_{n'}R''' is a tetravalent radical obtained by the elimination of the hydroxyl hydrogen atoms from the tetralol R'O(RO)_{n'}R' in which R' is a monovalent radical selected from the class consisting of hydrogen,



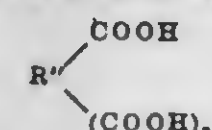
and



and (RO)_{n'} is the divalent radical of a polypropylene glycol of the structure HO(RO)_{n'}H, with the

666 O. O.—70

proviso that n be a whole number so selected, that the polypropylene glycol be within the approximate molecular weight range of 750 to 5,000; n' is a whole number not greater than 2, and n'' is a whole number varying from 1 to 3 with the limitation that the sum of n'' plus n'' be 4; and R'' is the radical of the polycarboxy acid



with the further proviso that the parent tetralol prior to esterification be water-insoluble and kerosene-soluble.

2,626,904

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 14, 1950,

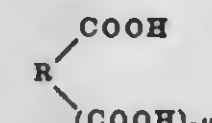
Serial No. 200,863

9 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is the radical of a glycerol ether of propylene glycol ethyl ether; n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole number not over 2, and R is the radical of the polybasic acid



in which n'' has its previous significance, and with the further proviso that the parent dihydroxylated compound prior to esterification be water-insoluble.

2,626,905

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 14, 1950,

Serial No. 200,864

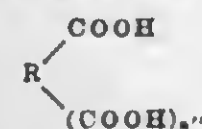
10 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is the radical of a glycerol ether of diethylene glycol monobutyl ether; n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole

number not over 2, and R is the radical of the polybasic acid



in which n' has its previous significance, and with the further proviso that the parent dihydroxylated compound prior to esterification be water-insoluble.

2,626,906

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 29, 1950, Serial No. 203,531

11 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including acidic fractional esters obtained by esterification between (A) high molal oxypropylation derivatives of monomeric polyhydric compounds with the proviso that (a) the initial polyhydric reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial polyhydric reactant have a molecular weight not over 1200 and at least 4 hydroxyl radicals; (c) the initial polyhydric reactant be water-soluble and xylene-insoluble; (d) the oxypropylation end product be water-insoluble and xylene-soluble; (e) the oxypropylation end product be within the molecular weight range of 2000 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and xylene be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per hydroxyl in the initial polyhydric reactant be within the range of 7 to 70; (h) the initial polyhydric reactant represent not more than 12½%, by weight, of the oxypropylation end product on a statistical basis; (i) the preceding provisos being based on complete reaction involving the propylene oxide and the initial polyhydric reactant; and (B) polycarboxy reactants, and with the further proviso that the ratio of polycarboxy reactant to hydroxylated reactant be in the molar proportion of one mole of polycarboxy reactant for each hydroxyl present in the alcoholic reactant.

2,626,907

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,314

11 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including acidic fractional esters; said acidic fractional esters being obtained by reaction between (A) a polycarboxy acid and (B) high molal oxypropylation derivatives of polyepenterythritols with the proviso that (a) the initial polyhydric reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the oxypropylation end product be within the molecular weight range of 5,000 to 85,000 on an

average statistical basis; (c) the oxypropylation end product be xylene-soluble; (d) the xylene solubility characteristics of the oxypropylation end product be substantially the result of the oxypropylation step; (e) the initial polyhydric reactant represent not more than 7% by weight of the oxypropylation end product on a statistical basis; and that (f) the preceding provisos be based on complete reaction involving the propylene oxide and the initial polyhydric reactant; with the proviso that the ratio of (A) to (B) be one mole of the polycarboxy acid for each available hydroxyl radical.

2,626,908

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,316

11 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including fractional esters; said fractional esters being obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of oxyalkylated intermediates; and said oxyalkylated intermediates being derived in turn from polyepenterythritols, with the proviso that (a) the initial polyhydric reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the intermediate have a molecular weight in excess of 1200 and less than 25,000; (c) the intermediate product be obtained by an oxyalkylation step involving a member of the class consisting of ethylene oxide and glycid; (d) the intermediate product be water-dispersible, at least to the extent of colloidal solubility, and be xylene-insoluble; (e) the solubility characteristics of the intermediates in respect to water be substantially the result of the oxyalkylation step employing a member of the class consisting of ethylene oxide and glycid; (f) the oxypropylation end-product be within the molecular weight range of 5,000 to 100,000 on an average statistical basis; (g) the oxypropylation end-product be at least xylene dispersible; (h) the xylene dispersibility characteristics of the oxypropylation end-product be substantially the result of the oxypropylation step; (i) the initial polyhydric reactant represent not more than 7% by weight of the oxypropylation end-product on a statistical basis, and that (j) the preceding provisos be based on complete reaction involving the alkylene oxides and the initial polyhydric reactant; and with the proviso that the ratio of (A) to (B) be one mole of the polycarboxy acid for each available hydroxyl radical.

2,626,909

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,324

11 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being acidic frac-

tional esters obtained by reaction between (A) polycarboxy acids and (B) high molal oxypropylation derivatives obtained by the oxypropylation of a member selected from the class consisting of organic solvent-soluble allyl starch and polymerized allyl starch; said oxypropylation involving 5 to 50 parts by weight of propylene oxide per unit weight of the allyl starch derivative; and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each hydroxyl radical present in (B).

2,626,910

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,326

10 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier, including acidic fractional esters; said acidic fractional esters being obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of glucose, with the proviso that (a) the oxypropylation end-product be within the molecular weight range of 1,500 to 15,000 on an average statistical basis; (b) the oxypropylation end-product be xylene-soluble; (c) the xylene-soluble characteristics of the oxypropylation end-product be substantially the result of the oxypropylation step; (d) the initial polyhydric reactant represent not more than 12% by weight of the oxypropylation end-product on a statistical basis, and that (e) the preceding provisos be based on complete reaction involving the propylene oxide and the initial polyhydric reactant, with the proviso that the ratio of (A) to (B) be one mole of the polycarboxy acid for each available hydroxyl radical.

2,626,911

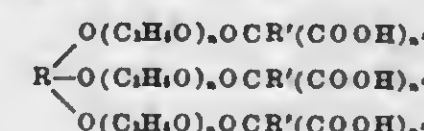
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

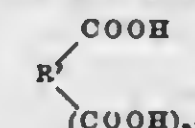
No Drawing. Application May 14, 1951, Serial No. 226,328

8 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including a monomeric acidic fractional ester of the following structure:

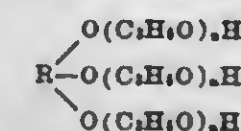


in which R is the radical of hexanetriol-1,2,6, and R' is the polycarboxy acid radical of the conventional polycarboxy acid



in which n' represents the whole numbers 1 to 2, and n represents a whole number varying from 6 to 30; with the proviso that n be the statistical average based on the amount of propylene oxide

reacted with the initial triol $\text{R}(\text{OH})_3$; said triol being free from any radical having at least 8 uninterrupted carbon atoms; and with the further proviso that the oxypropylated triols



be kerosene-soluble, and that the statistical average molecular weight of said oxypropylated triols be within the range of 1,000 to 10,000.

2,626,912

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 1, 1950, Serial No. 198,753

11 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of monomeric diamino compounds, with the proviso that (a) the initial diamino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial diamino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) the initial diamino reactant must be water-soluble; (d) the oxypropylation end product must be water-insoluble, and kerosene soluble; (e) the oxypropylation end product be within the molecular weight range of 2000 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) the initial diamino reactant must represent not more than 20% by weight of the oxypropylation end product on a statistical basis; (i) the preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial diamino reactant; (j) the nitrogen atoms are linked by an ethylene chain, and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,913

PROCESS FOR BREAKING PETROLEUM EMULSIONS

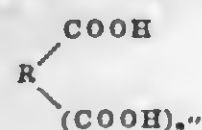
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 1, 1950, Serial No. 198,755

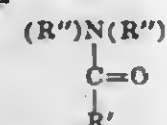
11 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters and acidic amido deriva-

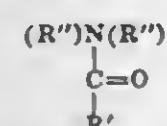
tives obtained by reaction between (A) a polycarboxy acid of the structure



in which R is the radical of a polycarboxy acid and n' is a whole number not over 2; and (B) a compound having 2 reactive hydrogen atoms obtained by the oxypropylation of an amide and having the formula



in which $\text{R}'\text{CO}$ is the acyl radical of a monocarboxy acid having less than 8 carbon atoms in any single group, and R'' is selected from the class consisting of hydrogen atoms and monovalent radical $(\text{C}_2\text{H}_5\text{O})_{n''}\text{H}$ in which n'' is a whole number not greater than 80; said compound



being water-insoluble; with the final proviso that the ratio of (A) to (B) be 2 moles of (A) for one mole of (B).

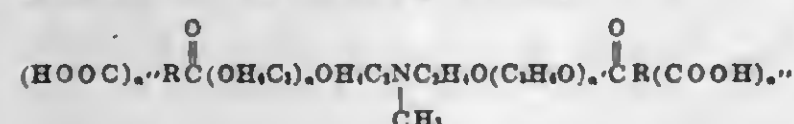
2,626,914

PROCESS FOR BREAKING PETROLEUM EMULSIONS

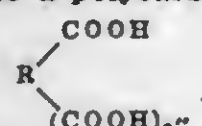
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,302
9 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which n and n' are whole numbers with the proviso that n plus n' equals a sum varying from 15 to 80; n'' is a whole number not over 2 and R is the radical of a polycarboxy acid



in which n'' has its previous significance with the further proviso that the parent dihydroxy compound prior to esterification be water-insoluble.

2,626,915

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,304
11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subject-

ing the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of monomeric triamino compounds, with the proviso that (a) the initial triamino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial triamino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) the initial triamino reactant must be water-soluble; (d) the oxypropylation end product must be water-insoluble, and kerosene soluble; (e) the oxypropylation end product be within the molecular weight range of 2500 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) the initial triamino reactant must represent not more than 20% by weight of the oxypropylation end product on a statistical basis; (i) the preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial triamino reactant; (j) the nitrogen atoms are linked by an ethylene chain, and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,916

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,306
11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of monomeric tetramino compounds, with the proviso that (a) the initial tetramino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial tetramino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) the initial tetramino reactant must be water-soluble; (d) the oxypropylation end product must be water-insoluble, and kerosene soluble; (e) the oxypropylation end product be within the molecular weight range of 2500 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) the initial tetramino reactant must represent not more than 20% by weight of the oxypropylation end product on a statistical basis; (i) the preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial tetramino reactant; (j) the nitrogen atoms are linked by an ethylene chain, and with the

final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,917

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,308
11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of monomeric pentamino compounds, with the proviso that (a) the initial pentamino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial pentamino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) the initial pentamino reactant must be water-soluble; (d) the oxypropylation end product must be water-insoluble, and kerosene soluble; (e) the oxypropylation end product be within the molecular weight range of 2500 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) the initial pentamino reactant must represent not more than 20% by weight of the oxypropylation end product on a statistical basis; (i) the preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial pentamino reactant; (j) the nitrogen atoms are linked by an ethylene chain, and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,918

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,310
11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of monomeric triamino compounds, with the proviso that (a) the initial triamino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial triamino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) the initial triamino reactant must be water-soluble; (d) the oxypropylation end product must be water-

insoluble, and kerosene soluble; (e) the oxypropylation end product be within the molecular weight range of 2500 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) the initial triamino reactant must represent not more than 20% by weight of the oxypropylation end product on a statistical basis; (i) the preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial triamino reactant; (j) the nitrogen atoms are linked by a propylene chain, and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,919

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,312
11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of monomeric diamino compounds, with the proviso that (a) the initial diamino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) the initial diamino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) the initial diamino reactant must be water-soluble; (d) the oxypropylation end product must be water-insoluble, and kerosene soluble; (e) the oxypropylation end product be within the molecular weight range of 2000 to 30,000 on an average statistical basis; (f) the solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) the ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) the initial diamino reactant must represent not more than 20% by weight of the oxypropylation end product on a statistical basis; (i) the preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial diamino reactant; (j) the nitrogen atoms are linked by a propylene chain, and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,920

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,
Serial No. 226,318
11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subject-

ing the emulsion to the action of a demulsifier including acidic fractional esters; said acidic fractional esters being obtained by reaction between (A) a polycarboxy acid, and (B) high molal oxypropylation derivatives of liquid polyamide resins; with the proviso that (a) the initial polyamide resin be obtained from an alkylene diamine having not more than 8 carbon atoms and higher fatty acid polymers obtained by the polymerization of unsaturated fatty acids to a stage not beyond trimerization; (b) the molecular weight range of the initial liquid polyamide resin be within 2,500 to 15,000; (c) the molecular weight of the oxypropylation end-product be within the range of 5,000 to 65,000 on an average statistical basis; (d) the oxypropylation end-product be xylene-soluble; (e) the xylene solubility characteristics of the oxypropylation end-product be substantially the result of the oxypropylation step; (f) the initial liquid polyamide resin represent not more than 50% by weight of the oxypropylation end-product on a statistical basis; and that the preceding provisos be based on complete reaction involving the propylene oxide and the initial liquid resin reactant and with the proviso that the ratio of (A) to (B) be one mole of the polycarboxy acid for each available hydroxyl radical.

2,626,921

PROCESS FOR BREAKING PETROLEUM EMULSIONS

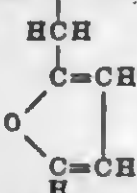
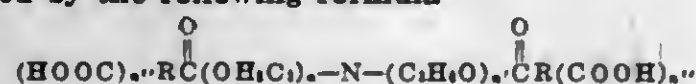
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,

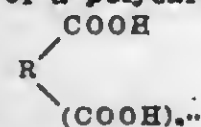
Serial No. 226,320

8 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products, said hydrophile synthetic products being characterized by the following formula



in which n and n' are whole numbers, with the proviso that n plus n' equals a sum varying from 15 to 80; n'' is a whole number not over 2 and R is the radical of a polycarboxy acid



in which n'' has its previous significance, with the further proviso that the parent dihydroxy compound prior to esterification be water-insoluble and kerosene-soluble.

2,626,922

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

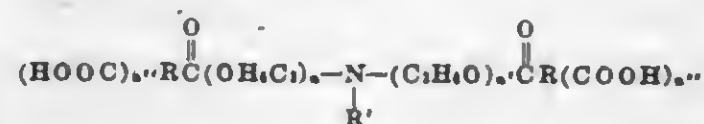
No Drawing. Application May 14, 1951,

Serial No. 226,332

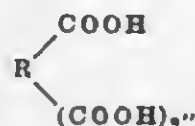
9 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by sub-

jecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is a hydrocarbon radical selected from the class consisting of cyclohexyl radicals, methylcyclohexyl radicals, and cyclohexylmethyl radicals, and n and n' are whole numbers, with the proviso that n plus n' equals a sum varying from 15 to 80; n'' is a whole number not over 2 and R is the radical of a polycarboxy acid



in which n'' has its previous significance, with the further proviso that the parent dihydroxy compound prior to esterification be water-insoluble and kerosene-soluble.

2,626,923

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,

Serial No. 226,336

11 Claims. (Cl. 252-341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being a cogenetic mixture selected from the class consisting of acidic fractional esters, acidic ester salts, and acidic amido derivatives obtained by reaction between (A) A polycarboxy acid; and (B) High molal oxypropylation derivatives of monomeric diamino compounds, with the proviso that (a) The initial diamino reactant be free from any radical having at least 8 uninterrupted carbon atoms; (b) The initial diamino reactant have a molecular weight of not over 800 and at least a plurality of reactive hydrogen atoms; (c) The initial diamino reactant must be water-soluble; (d) The oxypropylation end product must be water-insoluble, and kerosene soluble; (e) The oxypropylation end product be within the molecular weight range of 2,000 to 30,000 on an average statistical basis; (f) The solubility characteristics of the oxypropylation end product in respect to water and kerosene must be substantially the result of the oxypropylation step; (g) The ratio of propylene oxide per initial reactive hydrogen atom must be within the range of 7 to 70; (h) The initial diamino reactant must represent not more than 20%, by weight, of the oxypropylation end product on a statistical basis; (i) The preceding provisos are based on the assumption of complete reaction involving the propylene oxide and initial diamino reactant; (j) The nitrogen atoms are linked by a phenylene ring, and with the final proviso that the ratio of (A) to (B) be one mole of (A) for each reactive hydrogen atom present in (B).

2,626,924

PROCESS FOR BREAKING PETROLEUM EMULSIONS

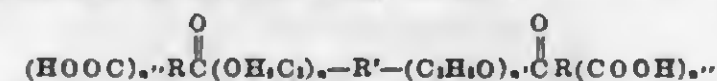
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 1, 1950,

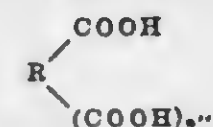
Serial No. 198,752

10 Claims. (Cl. 252-342)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is a divalent radical selected from (a) the class of radicals composed exclusively of carbon, hydrogen and sulfur, and (b) radicals composed exclusively of carbon, hydrogen, sulfur and oxygen, with the proviso that (1) sulfur must be linked to at least one carbon atom in all such radicals and is linked only to atoms of the group consisting of carbon and sulfur, and (2) such radicals must be free from any group having 8 or more uninterrupted carbon atoms; and n and n' are whole numbers with the proviso that n plus n' equals a sum varying from 15 to 80; n'' is a whole number not over 2, and R is the radical of a polycarboxy acid



in which n'' has its previous significance, and with the further proviso that the parent dihydroxy compound prior to esterification be water-insoluble and kerosene-soluble.

2,626,925

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 1, 1950,

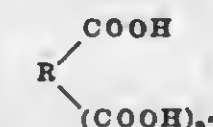
Serial No. 198,756

10 Claims. (Cl. 252-342)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula



in which R' is a hexide radical; n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole number not over 2 and R is the radical of the polybasic acid



in which n'' has its previous significance, and with the further proviso that the parent dihydroxylated compound prior to esterification be water-insoluble.

2,626,926

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 29, 1950,

Serial No. 203,533

11 Claims. (Cl. 250-342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being derived by reaction between (A) Polycarboxy acid; and (B) Hydrophile synthetic products obtained by the oxypropylation of a member of the class consisting of tetramethylolcyclohexanol and the penta-hydroxylated ethers thereof obtained in turn by reacting tetramethylolcyclohexanol with an alkylene oxide selected from the class of ethylene oxide and butylene oxide in the ratio of 1 to 10 moles of the oxide for each mole of tetramethylolcyclohexanol, with the proviso that the oxypropylated compound prior to esterification have a molecular weight within the range of 1500 and 6000; the molal ratio of (A) to (B) being 5 to 1.

2,626,927

PROCESS FOR BREAKING PETROLEUM EMULSIONS

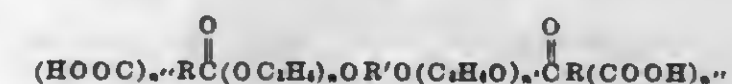
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application December 29, 1950,

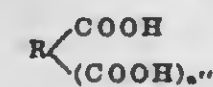
Serial No. 203,535

8 Claims. (Cl. 252-342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is the radical of p,p'-dihydroxydiphenyl-dimethyl-methane; n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole number not over 2, and R is the radical of the polybasic acid



in which n'' has its previous significance, and with the further proviso that the parent dihydroxylated compound prior to esterification be water-insoluble.

2,626,928

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,

Serial No. 226,330

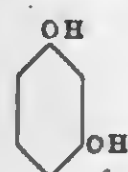
10 Claims. (Cl. 252-342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said

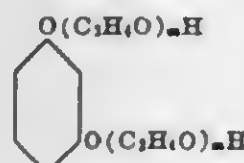
hydrophile synthetic products being characterized by the following formula:



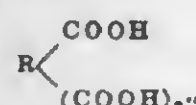
in which R' is the divalent radical obtained from a member selected from the class consisting of



and



with the proviso that m is a numeral varying from 0 to 4, and with the further proviso that the sum of both occurrences of m is not over 4, and not more than one occurrence of m is 0; n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole number not over 2, and R is the radical of the polybasic acid:



in which n'' has its previous significance, and with the further proviso that the parent dihydroxylated compound prior to esterification be water-insoluble.

2,626,929

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

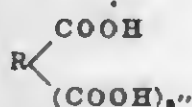
No Drawing. Application May 14, 1951, Serial No. 226,334

9 Claims. (Cl. 252-342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is the radical of 2,2'-methylenebis(4-methyl-6-tert-butylphenol); n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole number not over 2, and R is the radical of the polybasic acid:



in which n'' has its previous significance, and with the further proviso that the parent dihydroxylated compound prior to esterification be water-insoluble.

2,626,930

CHEMICALLY ACTIVE GRAPHITIC CARBON POWDER

Robert H. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Original application August 12, 1948, Serial No. 43,854. Divided and this application June 30, 1949, Serial No. 102,214

7 Claims. (Cl. 252-444)

1. An adsorbing agent consisting of comminuted graphite produced by abrading graphite in an environment selected from the group consisting of vacuum, helium, neon, argon, krypton, and xenon.

2,626,931

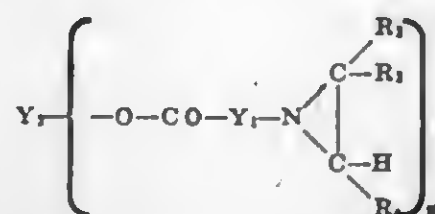
POLYMERIZATION PRODUCTS AND PROCESS OF PREPARING THEM

Herbert Bestian, Frankfurt-on-the-Main-Hochst, Germany, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany

No Drawing. Application May 26, 1949, Serial No. 95,590. In Germany October 1, 1948

10 Claims. (Cl. 260-2)

1. Polymerization products of compounds having the general formula:



wherein Y_1 stands for a low molecular aliphatic hydrocarbon radical, Y_2 means a member of the group consisting of aliphatic hydrocarbon radicals, aliphatic hydrocarbon radicals the chain of which is interrupted by oxygen, and aliphatic hydrocarbon radicals the chain of which is interrupted by sulfur, R_1 , R_2 , R_3 , R_4 stand for members of the group consisting of hydrogen and low molecular alkyl radicals, and n means an integer from 2 to 4.

2,626,932

RECLAIMING RUBBERS

George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application March 7, 1949, Serial No. 80,090

2 Claims. (Cl. 260-2.3)

1. Sulfide of a petroleum cresylic acid, which acid has a boiling range above 220° C., is substantially free from unalkylated phenol and cresols, and contains a substantially higher percentage of phenols containing at least three alkyl substituents than its percentage content of dialkylated phenols, said alkyl substituents being almost entirely in the form of methyl and ethyl groups.

2. The method of reclaiming vulcanizate of rubbery copolymer of 1,3-butadiene and styrene which contains combined sulfur, which comprises rendering the vulcanizate plastic by heating the vulcanizate at a temperature in the range of about 300° F. to about 600° F. with a swelling agent, a tackifier and a sulfide as defined in claim 1.

2,626,933

HYDRAZIDE OF ORGANIC SULFONIC ACID AS BLOWING AGENT IN PLASTICS

Friedrich Lober and Max Bögemann, Leverkusen-Bayerwerk, and Richard Wegler, Leverkusen-Schleibusch, Germany, assignors to Farbenfabriken Bayer, Leverkusen, Germany

No Drawing. Application July 15, 1949, Serial No. 105,054. In Germany April 5, 1949

17 Claims. (Cl. 260-2.5)

1. The process which comprises incorporating a hydrazide of an organic sulfonic acid in a high molecular organic plastic and heating this mixture to a temperature above the decomposition point of said hydrazide.

2,626,934

ALKALINE-SETTING RESIN ADHESIVE AND METHOD OF MAKING SAME

Carl C. Kesler, Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa, a corporation of Delaware

No Drawing. Application November 17, 1948, Serial No. 60,641

20 Claims. (Cl. 260-9)

17. In a process of preparing starch and dextrin adhesives capable of forming water-resistant films on drying, the steps of forming in water a mixture of a material selected from a group consisting of starch, dextrin, and mixtures of starch and dextrin, with from 2 to 10% by weight on the basis of the total amount of said material of a water-soluble resin capable of setting to a water-resistant state at a pH within the range 7.0 to 9.0, said resin being selected from the group consisting of phenol-aldehyde, ketone-aldehyde, and resorcinol-aldehyde resins, adding sufficient alkali to bring the pH of the mixture substantially above pH 9 and thereby within the alkaline range for reaction between said material and said resin, and raising the temperature of said mixture above the temperature required to gelatinize said material.

2,626,935

ACIDIC FRACTIONAL ESTER OF A POLYCARBOXYLIC ACID WITH OXYPROPYLATED GLUCOSE

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,327

8 Claims. (Cl. 260-9)

1. An acidic fractional ester of (A) a polycarboxy acid with (B) oxypropylated glucose, with the proviso that (a) the oxypropylated glucose be within the molecular weight range of 1500 to 15,000 on an average statistical basis; (b) the glucose represent not more than 12% by weight of the oxypropylated glucose on a statistical basis; and that (c) the preceding provisos be based on complete reaction involving propylene oxide and the glucose; with the proviso that the ratio of (A) to (B) be one mole of the polycarboxy acid for each available hydroxyl radical.

2,626,936

LINOLEUM SCRATCH COMPOSITIONS

Frank J. Hahn, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 12, 1950, Serial No. 184,520

15 Claims. (Cl. 260-17.4)

14. A moldable composition comprising water-insoluble pigments, a water-insoluble copolymer

668 O. G.-71

2,626,937

OXYPROPYLATED ALLYL STARCH

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,323

1 Claim. (Cl. 260-17.4)

A hydrophile synthetic product which is a polyhydroxy compound selected from the class consisting of oxypropylated, organic solvent-soluble, allyl starch and oxypropylated polymerized allyl starch; said polyhydroxy compound containing in combination, 5 to 50 parts by weight of propylene oxide per unit weight of the allyl starch derivative.

2,626,938

ACIDIC FRACTIONAL ESTER OF A POLYCARBOXYLIC ACID WITH OXYPROPYLATED ALLYL STARCH

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951, Serial No. 226,325

8 Claims. (Cl. 260-17.4)

1. A hydrophile synthetic product which is an acidic fractional ester of (A) a polycarboxy acid, and (B) a polyhydroxy compound selected from the class consisting of oxypropylated, organic solvent-soluble, allyl starch and oxypropylated polymerized allyl starch; said polyhydroxy com-

668 O. G.-71

2,626,948

1-ALKYL-2 OR 4-[(N-ALKYL-N-β-DIALKYL-AMINOALKYL) AMINOPHENETHYL] - PIPERIDINES AND SALTS THEREOF

Jacob Finkelstein, East Paterson, and John Lee, Essex Fells, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application July 24, 1950,

Serial No. 175,655

12 Claims. (Cl. 260-293)

4. A compound selected from the group consisting of 1-alkyl-2-[(N-alkyl-N-β-dialkylaminoalkyl)aminophenethyl]-piperidines, 1-alkyl-4-[(N-alkyl-N-β-dialkylaminoalkyl)aminophenethyl]-piperidines, and acid addition salts of said piperidines; each of the alkyl groups in said compound being a lower alkyl group.

2,626,949

REACTION OF ALPHA-THIOCYANO CARBONYL COMPOUNDS WITH PRIMARY AMINES AND THEIR ACID SALTS

James T. Gregory, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 31, 1950,

Serial No. 193,281

9 Claims. (Cl. 260-306.7)

1. The method which comprises preparing a substantially anhydrous reaction mixture containing, as reactants, an enolizable alpha-thiocarbonyl compound and a primary amino compound selected from the class consisting of primary amines and the acid salts thereof, heating the said mixture thereby to effect a chemical reaction involving the splitting out of water from the hydroxyl group of the enol form of the carbonyl compound and one of the hydrogen atoms of the amino group of the amino compound with formation of an intermediate compound in which the nitrogen atom of said amino group is attached to the carbon atom originally present in the carbonyl group of the carbonyl compound, and removing the water of reaction while continuing to heat the reaction mixture whereupon the said intermediate undergoes ring closure by formation of a bond between the said nitrogen atom and the carbon atom of the thiocarbonyl group, with migration of the remaining hydrogen of the amino group to the thiocarbonyl nitrogen atom, to produce a 4-thiazoline ring to which an imino radical is attached in the 2-position.

2,626,950

2-HALOIMINO-4-THIAZOLINES

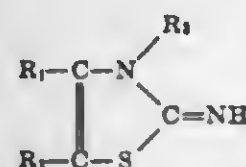
James T. Gregory, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 31, 1950,

Serial No. 193,282

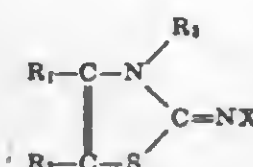
6 Claims. (Cl. 260-306.7)

1. The method which comprises reacting in an aqueous medium a water-soluble salt of a hypothetical acid with a compound having the structure



where R_1 , R_2 and R_3 are members of the class

consisting of hydrogen and hydrocarbon groups containing from one to ten carbon atoms at a temperature of from 0° to 25° C. thereby to form a compound having the structure



where X is a halogen atom and R_1 , R_2 and R_3 are members of the class consisting of hydrogen and hydrocarbon groups containing from one to ten carbon atoms.

2,626,951

STABILIZATION OF GLYCERIDE OILS WITH STARCH PHOSPHATES

John C. Cowan, Peoria, and Cyril D. Evans, Peoria Heights, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 21, 1950,

Serial No. 175,281

8 Claims. (Cl. 260-398.5)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A new composition of matter, a glyceride oil and a stabilizing amount of starch phosphate.

2,626,952

DIGLYCERIDE PREPARATION

Willy Lange, Cincinnati, and Fredric J. Baur, Wyoming, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application October 26, 1949,

Serial No. 123,784

8 Claims. (Cl. 260-410.7)

1. A process of preparing 1,3-diglyceride of a single fatty acid, which comprises forming a liquid single-phase system of a triglyceride of a normally higher molecular weight fatty acid having from 10 to 22 carbon atoms and melting point above 75° F. and from about 20 per cent to about 75 per cent thereof by weight of triglyceride of lower molecular weight fatty acid having from 2 to 8 carbon atoms; catalytically effecting interesterification wholly in the liquid phase; adding to the interesterified mixture substantially anhydrous glycerol in amount at least equal to the amount stoichiometrically necessary to convert the high molecular weight triglyceride to diglyceride, and catalytically alcoholizing the mixture to form a single liquid phase; reducing the temperature of the system to that temperature at which 1,3-diglyceride of the normally solid higher molecular weight fatty acid formed in the reaction precipitates as a solid phase, continuing interesterification in the liquid phase of the system in the presence of a low temperature interesterification catalyst while said higher fatty acid diglyceride precipitates, inactivating the low temperature interesterification catalyst while maintaining precipitated fatty acid diglyceride as a solid phase; and separating fatty acid diglyceride from the system.

2,626,953

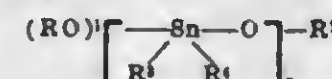
POLYMERIC ORGANIC TIN COMPOUNDS
Gerry P. Mack, Jackson Heights, and Emery Parker, New York, N. Y., assignors to Advance Solvents and Chemical Corporation, New York, N. Y.

No Drawing. Application May 28, 1948,

Serial No. 29,935

18 Claims. (Cl. 260-429)

1. Polymeric organo-tin compounds having the formula



wherein $(RO)^n$ is the residue of an alcohol, R^2 is the same organic group as R in said $(RO)^n$, R^1 and R^4 stand for a member of the group consisting of alkyl and aryl, and where n is a numeral higher than 1.

2,626,954

STANNOUS COMPLEXES AND THEIR PREPARATION

Harry E. Albert, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application April 4, 1949,

Serial No. 85,473

13 Claims. (Cl. 260-429)

1. A stannous complex of a phenolic compound produced by reaction of the stannous salt of a strong acid, a phenolic compound, and alkali, which complex contains more tin than the normal stannous salt of the phenolic compound and is light in color, said phenolic compound being from the class consisting of the monohydroxy aromatic compounds and polyhydroxy aromatic compounds except those which contain ortho hydroxy groups.

2,626,955

PREPARATION OF METHYLSTANNIC ACID
Kenneth C. Eberly, Akron, and Chris E. Best, Uniontown, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 31, 1950, Serial No. 193,156

7 Claims. (Cl. 260-429)

1. Process which comprises carrying out, in a solvent consisting of water, the series of reactions comprising (a) preparing a solution of an alkali metal stannite containing an excess of from 0.5 to 2.5 moles of an alkali metal hydroxide for each mole of the alkali metal stannite, (b) reacting the alkali metal stannite solution with liquid methyl chloride at temperatures from 0° to 85° C., (c) adjusting the pH of the solution to the range of 3.5 and below, (d) raising the pH to from 5.0 to 7.0 whereby to effect precipitation of methylstannic acid from the solution, and (e) mechanically separating the methylstannic acid from the solution.

2,626,956

WITHDRAWN

2,626,957

HEXA(ALKOXY) AND HEXA(ALKYLTHIO) DISILOXANES

Bernard A. Orkin, Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 1, 1948,

Serial No. 47,343

4 Claims. (Cl. 260-448.8)

1. A compound having the formula,



wherein R is a radical selected from the group

consisting of alkyl, cycloalkyl, aryl, aralkyl, and thienyl, 2-ethylthienyl, 5-methyl-thienyl, pyridyl, furfuryl, and quinolyl radicals, and T is a divalent atom selected from the group consisting of oxygen and sulfur atoms, in which the total number of carbon atoms and heterocyclic atoms in each molecule varies between about 42 atoms and about 60 atoms.

2,626,958

ESTERS OF POLYCARBOXYLIC ACIDS AND OXYPROPYLATED 2,2'-METHYLENEBIS (4-METHYL-6-TERT-BUTYLPHENOL)

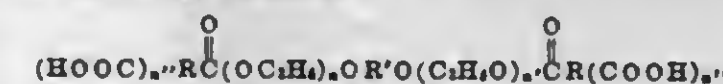
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, a corporation of Delaware

No Drawing. Application May 14, 1951,

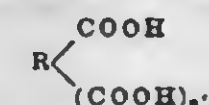
Serial No. 226,335

7 Claims. (Cl. 260-475)

1. Hydrophile synthetic products; said hydrophile synthetic products being characterized by the following formula:



in which R' is the radical of 2,2'-methylenebis (4-methyl-6-tert-butylphenol); n and n' are numerals with the proviso that n and n' equal a sum varying from 15 to 80, and n'' is a whole number not over 2, and R is the radical of the polybasic acid having not more than 8 carbon atoms:



in which n'' has its previous significance.

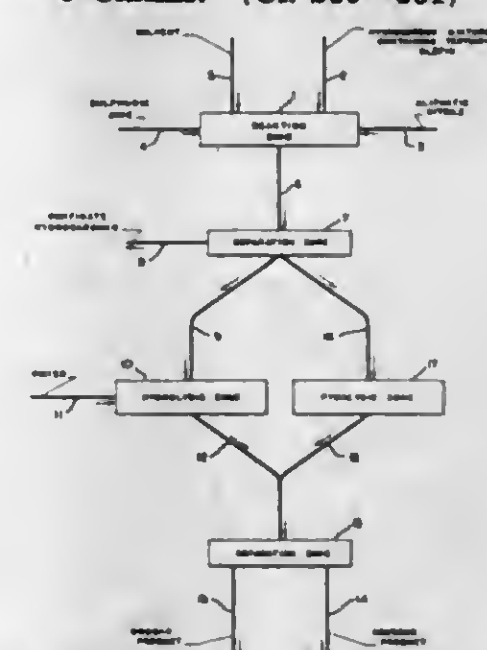
2,626,959

PROCESS FOR EXTRACTION OF OLEFINIC HYDROCARBON MIXTURES

Joseph A. Chenicek, Bensenville, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 6, 1951, Serial No. 209,711

9 Claims. (Cl. 260-561)



molar proportion based on the quantity of said olefinic component and also containing from about 10% to about 30% by weight of concentrated sulfuric acid based on the quantity of said nitrile, and separating from the resulting reaction mixture a raffinate phase comprising non-reacted hydrocarbons and an extract phase comprising the reaction product of said olefinic hydrocarbon component and said aliphatic nitrile.

2,626,960

1,4-DIOXO-5-(NITROPHENYL)-1,4,4a,5,8,8a-HEXAHYDRO-NAPHTHALENES

Moses Wolf Goldberg, Upper Montclair, and William Edwin Scott, Essex Fells, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application April 5, 1950,

Serial No. 154,204

1 Claim. (Cl. 260-590)

1,4-dioxo-5-(p-nitrophenyl)-1,4,4a,5,8,8a-hexahydronaphthalene.

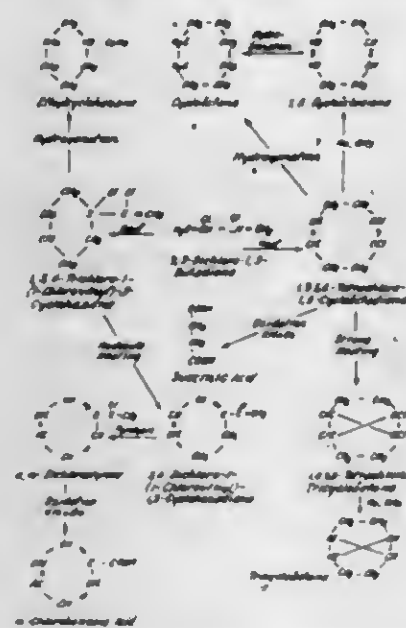
2,626,961

1,2,5,6-TETRACHLORO-1,5-CYCLOOCTADIENE

Kenneth C. Eberly, Akron, and Robert J. Reid, Canal Fulton, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 30, 1949, Serial No. 84,388

1 Claim. (Cl. 260-648)



1,2,5,6-tetrachloro-1,5-cyclooctadiene having a melting point of 99°-100° C.

2,626,962

PRODUCTION OF HALOOLEFINIC COMPOUNDS

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 17, 1949,

Serial No. 93,838

17 Claims. (Cl. 260-648)

1. A process for producing a haloolefinic compound which comprises reacting a saturated haloalkane containing at least three carbon atoms per molecule with an acetylenic compound in the presence of a Friedel-Crafts catalyst at a temperature of from about -30° C. to about 100° C., and recovering a haloolefinic compound having a molecular weight at least equal to the sum of the molecular weights of the aforesaid reactants.

2,626,983

PRODUCTION OF VINYL FLUORIDE

Jared Wilson Clark, Charleston, W. Va., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application January 8, 1951,

Serial No. 204,833

13 Claims. (Cl. 260-653)

1. Process for producing vinyl fluoride, which comprises briefly contacting a mixture containing hydrogen fluoride and acetylene at an elevated temperature above 100° C. with a cuprous cyanide deposited upon a porous solid substantially inert to attack by the reactants under the conditions of the resultant reaction.

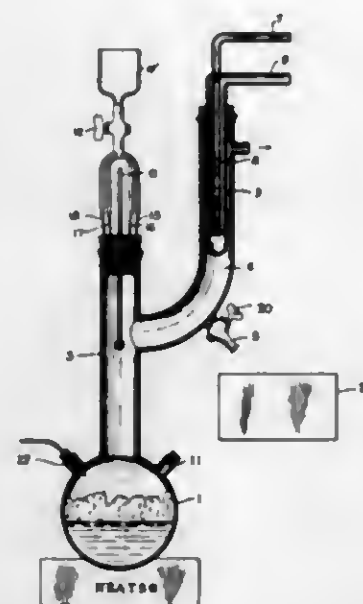
2,626,964

PREPARATION OF 2,3-DICHLORO-1,3-BUTADIENE BY DEHYDROCHLORINATION OF 1,2,3,4-TETRACHLOROBUTANE

Kenneth C. Eberly, Akron, and Robert J. Reid, Canal Fulton, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 22, 1948, Serial No. 66,646

2 Claims. (Cl. 260-655)



1. The process of producing 2,3-dichloro-1,3-butadiene which comprises refluxing a 1,2,3,4-tetrachlorobutane in admixture with aqueous lime slurry until the temperature of a partially segregated zone of the vapors closely approaches 81° C. and collecting condensate formed at this temperature while continuing the refluxing.

2,626,965

1,2,2,3,3,4-HEXACHLOROBUTANE

Park A. Wiseman, Muncie, Ind., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application October 18, 1949,

Serial No. 122,129

1 Claim. (Cl. 260-658)

The process of producing 1,2,2,3,3,4-hexachlorobutane which comprises passing chlorine into undissolved 2,3-dichloro-1,3-butadiene at a temperature of about 10° C. until one molecular equivalent thereof has been added, and then passing in additional chlorine at a higher temperature but below the refluxing temperature until a second molecular equivalent thereof has been added.

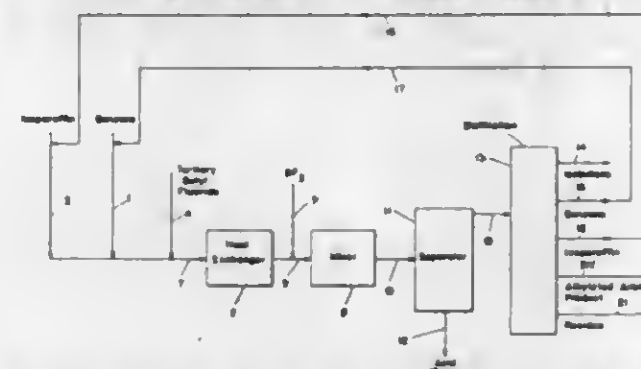
2,626,966

ALKYLATION OF AROMATIC HYDROCARBONS

Robert M. Kennedy, Newton Square, and Abraham Schneider, Philadelphia, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application December 3, 1949, Serial No. 130,926

20 Claims. (Cl. 260-668)



6. Process for the alkylation of aromatic hydrocarbons with saturates which comprises contacting, in the presence of an alkylatable aromatic hydrocarbon and a saturate hydrocarbon having at least 5 carbon atoms and at least one tertiary hydrogen atom per molecule, a tertiary alkyl mono-fluoride and BF_3 as catalytic components, said tertiary alkyl mono-fluoride having a different number of carbon atoms from said saturate when said saturate is an isoparaffin, to effect alkylation of said aromatic hydrocarbon with said saturate to form an aromatic hydrocarbon having a hydrocarbon substituent containing the same number of carbon atoms and the same naphthenic rings as said saturate, and separating the last named aromatic hydrocarbon from the reaction mixture.

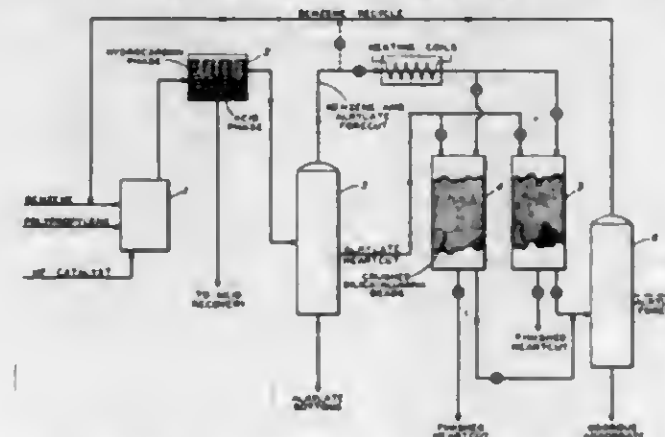
2,626,967

DEODORIZATION OF MONOARYL SUBSTITUTED ALKANES

John L. Darragh, Alamo, and Gordon B. Johnson, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application February 8, 1951, Serial No. 209,632

10 Claims. (Cl. 260-671)



1. In the process for preparing monoaryl-substituted alkanes by alkylating a mononuclear

hydrocarbon of the benzene series with an olefin containing from 8 to 18 carbon atoms in the molecule in the presence of an alkylation catalyst and by fractionally distilling the alkylate to recover therefrom a heart cut fraction boiling above about 475° F. and below about 650° F., the step of removing odorous constituents formed in the course of said distillation by contacting the distilled heart-cut fraction with a silica-alumina adsorbent material having a silica to alumina weight ratio from above 1.0 to about 10.0.

2,626,968

EXPANDED PLASTICS

Isaac L. Newell, Wethersfield, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

No Drawing. Application May 5, 1950,

Serial No. 160,395

7 Claims. (Cl. 260-724)

1. A process of making an expanded plastic selected from the group consisting of rubber and synthetic resins comprising, combining said plastic to be expanded with an organic ammonium nitrite selected from the group consisting of di-isopropyl ammonium nitrite, di-isobutyl ammonium nitrite, di-cyclohexyl ammonium nitrite, di-n-butyl ammonium nitrite, di-phenyl ammonium nitrite, monophenyl ammonium nitrite, monoethyl ammonium nitrite and tri-n-butyl ammonium nitrite, and subjecting said plastic and nitrite to an elevated temperature.

2,626,969

PURIFYING AND CONCENTRATING HEVEA RUBBER LATEX

Eakin M. Glymph, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application January 28, 1950,

Serial No. 141,157

15 Claims. (Cl. 260-822)

1. In concentrating Hevea rubber latex the steps of adjusting the pH of fresh Hevea rubber latex to a value not less than 8.5 by the addition of ammonia thereto, adding to the ammoniated latex at least 0.035% and not more than 0.25% expressed as



based on the weight of latex of a soluble ammonium phosphate, the phosphate addition being insufficient to cause separation and thickening of the latex, and then centrifuging the thus treated latex to produce a concentrated latex of about 60% and higher total solids which can be shipped and stored with substantially no subsequent sludge formation, said concentrated latex having improved mechanical stability.

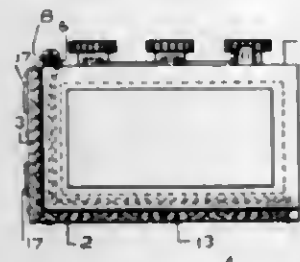
ELECTRICAL

2,626,970
THERMOELECTRIC COUPLE AND METHOD OF MAKING SAME
 George Hunrath, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army
 Application August 2, 1950, Serial No. 177,314
 2 Claims. (Cl. 136-4)
 (Granted under Title 35, U. S. Code (1952), sec. 266)



1. In a thermocouple having first and second electrically dissimilar elements, a housing having side walls of an insulating material and end walls of an electrically conductive material having substantially the same coefficient of expansion as said side walls, said first element substantially filling said housing and electrically contacting said end walls, said end walls forming said second element, the edges of said end walls protruding into and sealed within said side walls hermetically sealing said first element within said housing, and a strip of said second element welded to one of said end walls forming the hot junction of said thermocouple.

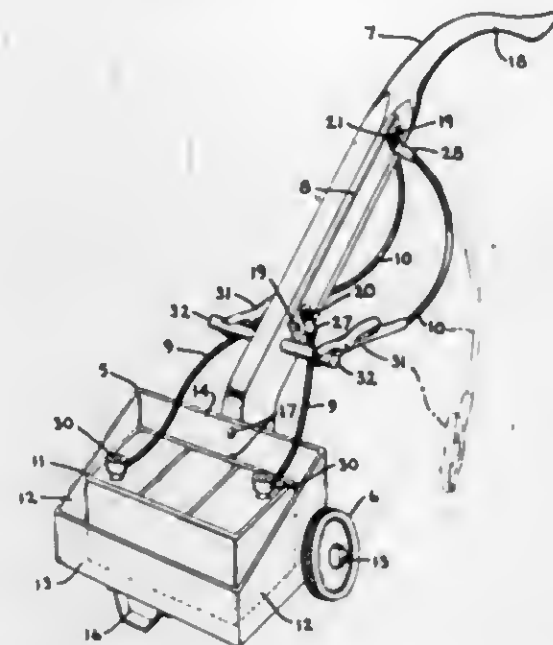
2,626,971
BATTERY HEATER
 Arthur Percival Mansoff, Dauphin, Manitoba, Canada, assignor to Osborne C. Steele, Kelowna, British Columbia, Canada
 Application March 23, 1950, Serial No. 151,373
 1 Claim. (Cl. 136-161)



Heating means for a motor vehicle battery, said battery including a casing, and said means comprising a heating element embodied in a wall of the casing and the bottom thereof, a jacket attachable on the casing and adapted to overlie the wall and bottom of the casing with the heating element therein, a further heating element in the jacket in opposing relation to the heating element of the side and bottom of the battery casing, and terminals on the battery casing to which the heating elements connect and including leads to said terminals connectable to a source of power.

1082

2,626,972
STORAGE BATTERY TRANSPORTING CART
 Alfred E. Marquardt, Oconto Falls, Wis.
 Application September 20, 1950, Serial No. 185,735
 1 Claim. (Cl. 136-181)



A battery transporting and engine starting cart comprising, a battery receiving and supporting member, transporting wheels associated with said member, a manipulating handle formed of insulating material secured at its lower end to and projecting upwardly from said member, said handle terminating in an upper gripping portion, a pair of rigid elongated current conducting plates independently secured to an intermediate portion of said handle between and spaced from said battery receiving member and said gripping portion and extending longitudinally on opposite sides of said handle in insulated relationship to each other, each of said plates having flexible conductors secured thereto at the extreme lower and upper ends thereof, said lower conductors being adapted for connection to a battery carried by said member and said upper conductors being of at least the same length as said plates and being adapted for connection to an internal combustion engine, and laterally projecting pins of insulating material carried by said handle below and beyond said rigid connecting plates and in insulated relationship thereto for receiving the free ends of said upper flexible connectors when they are not in use.

2,626,973
GROUNDING TERMINAL
 Frank A. Dutra, Wyckoff, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
 Application June 28, 1949, Serial No. 101,835
 2 Claims. (Cl. 173-324)

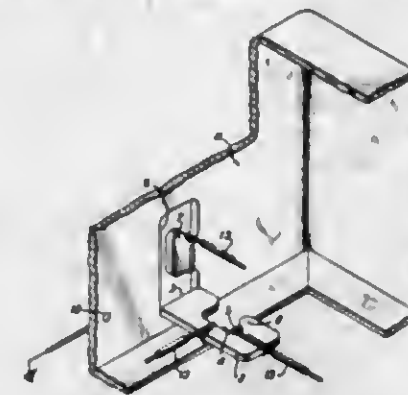
1. A two terminal assembly comprising a first hook-shaped terminal pressed out of a sheet of metal about one edge of the terminal and having such configuration that when pressed out it leaves

JANUARY 27, 1953

ELECTRICAL

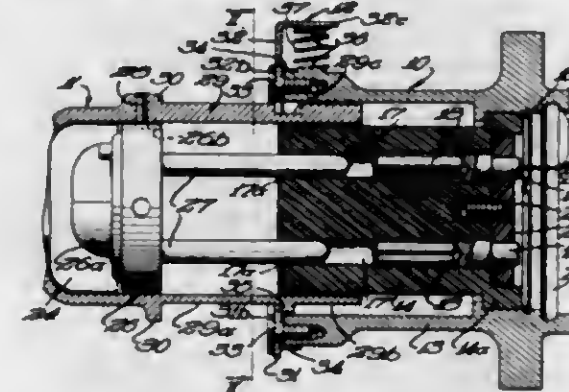
1083

In the plane of the opening thus created, a second hook-shaped terminal around which the end of



a wire may be wrapped from either side of the sheet.

2,626,974
EXPLOSION PROOF PLUG AND SOCKET
 John G. Howard and Philip S. Rockwell, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey
 Application September 16, 1949, Serial No. 116,025
 6 Claims. (Cl. 173-328)

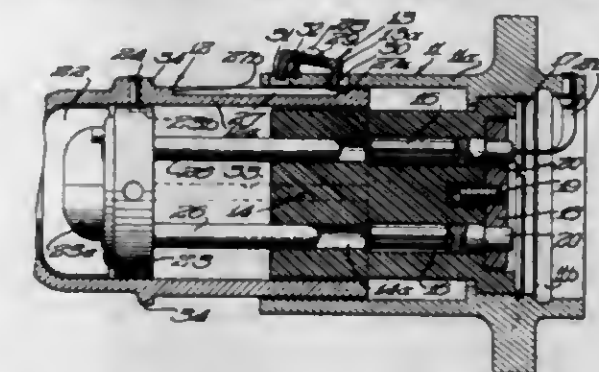


1. In an electric plug and socket apparatus, a socket member having passages formed therein, socket terminals in said passages, a plug member having plug terminals received in said passages and coacting with said socket terminals, said plug member being movable into and out of said socket member, latch means cooperating between said plug and socket members and including a movable stop member mounted on one of said members for movement relative to the other of said members, said stop member and said other of said members having a plurality of latch shoulders formed thereon, a first pair of said latch shoulders confronting one another for temporarily blocking the withdrawal of said plug member after the plug and socket terminals are separated but before the plug terminals are withdrawn from said passages and a second pair of said latch shoulders confronting one another for temporarily blocking withdrawal of said plug member a second time after a further partial withdrawal from said socket member, said stop member being selectively actuated to relatively displace said latch shoulders out of blocking relation.

2,626,975
DELAYED ACTION STRUCTURE FOR AN EXPLOSION-PROOF PLUG AND SOCKET
 Philip S. Rockwell and John G. Howard, Chicago, Ill., assignors to The Pyle National Company, Chicago, Ill., a corporation
 Application September 16, 1949, Serial No. 116,026
 4 Claims. (Cl. 173-328)

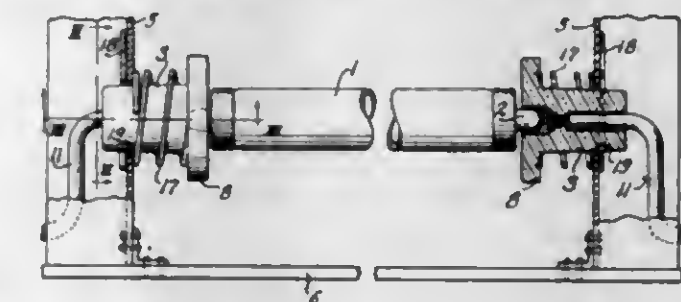
1. In an electric plug and socket structure having axially separable plug and socket members

with coacting terminals therein, a manually operated time delay means including a stop member transversely disposed relative to the socket member and pivotally carried thereby for rocking movement laterally with respect to the axis of the plug and socket members, said stop member having a pair of spaced leg portions extending inwardly toward the plug member, a plurality of spaced recesses formed in said plug member in registry with the leg portions of the stop member and resilient means to normally bias the stop member so that one leg thereof will extend into one of said recesses, said one recess and said one leg cooperable to stop withdrawal of the plug



member from the socket member after the terminals are separated but before separation of the plug from the socket, whereupon said stop member may be pivotally displaced against the normal bias exerted thereon to move the other leg portion of the stop member into the recess in registry therewith, thereby permitting further withdrawal of the plug member from the socket member, whereupon said other leg portion in the recess in registry therewith will cooperate to stop withdrawal of the plug, said stop member being pivotally returnable to its initial position to permit complete withdrawal of the plug from the socket.

2,626,976
INSULATOR SOCKET ASSEMBLY FOR FLUORESCENT TUBES
 James A. Howenstine, Lima, Ohio, assignor to Neon Products, Inc., Lima, Ohio, a corporation of Ohio
 Application March 21, 1950, Serial No. 150,993
 1 Claim. (Cl. 173-328)



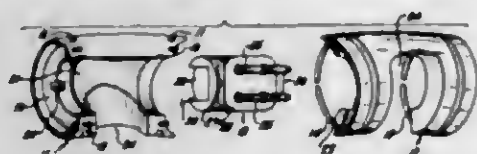
A lead-in terminal and insulator socket assembly for instant-start fluorescent tubes comprising an insulator having a shank and a flanged head at one end thereof, and a removable retainer at the other, a compression spring on said shank between the retainer and said head, the head end of said insulator having a socket adapted to receive the terminal lug of a fluorescent tube, and the shank having an axial bore extending from its retainer end to and communicating with said socket, said bore being of reduced diameter at a location adjacent said socket, a lead-in conductor having a covering of insulating material extending into said bore, the end of the conductor beyond said restriction

being insulation free and extending into said socket, and means including a gob of solder metal in the base portion of said socket for anchoring the lead-in conductor therein and forming a contact seat for the terminal lug of a fluorescent tube.

2,626,977

MOVABLE CONTACT BASE

Donald D. Hinman, Chagrin Falls, Ohio, assignor to General Electric Company, a corporation of New York
Application November 5, 1947, Serial No. 784,184
3 Claims. (Cl. 173-361)



1. A base for an electric lamp having a tubular envelope formed to a substantially closed configuration with its ends directed toward each other, said envelope being of smaller diameter at its end portions than its body portion and having its ends disposed in planes converging inwardly of the lamp, said lamp ends having flexible leading-in wires extending therefrom, said base comprising a tubular insulating sleeve longer than the gap between the ends of the lamp with its end walls re-entrant, disposed in planes at an angle to each other corresponding to that between the planes of the lamp ends and shaped so as to receive and butt against said lamp ends to hold said base therebetween, said sleeve having the same outer diameter as the body portion of the tubular lamp envelope with its outer surface curved longitudinally to the same degree of curvature as said envelop body portion so as to present a smooth surface with said lamp envelope, having a straight bore for receiving the leading-in wires of the lamp and a circumferentially extending slot opening into its interior, said base comprising also a contact carrying member having a generally cylindrical body portion of insulating material frictionally engaging the inner wall of said bore and having a protuberance thereon provided with contacts and engaging the sides of the slot for limiting the rotary and longitudinal movement of the cylindrical portion in the sleeve, the contacts on said protuberance being in the form of pins having their ends embedded in said protuberance and exposed to the interior of the sleeve for connection to the leading-in wires and their outer ends exposed through said slot for connection to a power source, said sleeve having means engageable with means on said lamp to hold said sleeve anti-turningly on said envelope when said contact carrying member is rotated from one position to another in said sleeve.

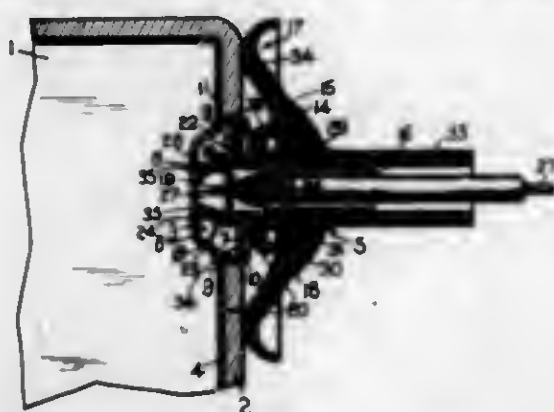
2,626,978

SHEATHED PLUG CONNECTOR

William J. Coyle, Waltham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 27, 1948, Serial No. 17,545
2 Claims. (Cl. 173-363)

1. An electrical connector plug unit of the type described comprising a tubular protective sheath having an outwardly turned flange at one end, a one-piece terminal member having a head portion provided with a central conductor core-receiving seat and an annular series of resilient

bowed contact members arranged annularly around said seat in spaced relation thereto and disposed substantially normal to the head portion of said terminal inwardly of the marginal edge of said head, means encompassing the marginal edge of said head and flange of said sheath for connecting said terminal member and protective sheath in assembled relation so that said sheath is coaxial with the core-receiving seat, said assembled sheath and terminal adapted to

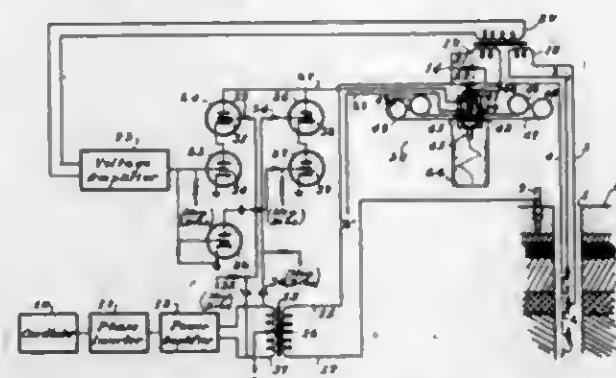


have a conductor extended axially through the sheath and a bared terminal end thereof soldered in the seat of said terminal, and a resilient insulating handle surrounding said plug unit and including a sleeve portion surrounding and connected to said protective sheath and an annular cup-shaped flange portion surrounding and spaced radially outwardly of said plug contact member and adapted to make contact with a surface disposed in a plane of at least a part of a socket member to which said plug is attached.

2,626,979

APPARATUS FOR ELECTRICALLY LOGGING BOREHOLES

John P. Woods, Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 7, 1948, Serial No. 19,553
12 Claims. (Cl. 175-182)



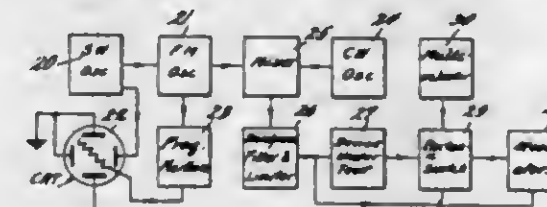
1. In an electrical system for logging bore holes having conductive fluid therein and including means for causing alternating current to flow through the earth between a fixed point on the earth's surface adjacent the bore hole and a movable point therein, and means for detecting intermediate thereof a potential established by the flow of said alternating current, the combination therewith of apparatus for obtaining a continuous indication of the resistivity of the subterranean formations traversed by the bore hole, said apparatus including an impedance through which said alternating current is caused to flow to generate a standard signal, said impedance including a variable element for varying the amplitude of said standard signal, means for comparing the detected potential with the standard signal, means responsive to a difference

in amplitude between the detected potential and standard signal for varying said variable element so as to maintain substantially continuously a balance between the detected potential and the standard signal, and means for continuously recording variations in said variable element.

2,626,980

ELECTRONIC CURVE TRACER

John W. Balde, Joseph C. Bregar, and Kenneth L. Chapman, Winston-Salem, N. C., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1948, Serial No. 53,076
11 Claims. (Cl. 175-183)



1. A system for determining the frequency response characteristic of an electrical device, comprising a variable frequency source of energy of constant amplitude, means for applying said energy to the electrical device under test to obtain a frequency response voltage, a plurality of attenuators, means for applying the variable frequency energy to said attenuators to provide adjustable gain lines, a cathode ray tube including vertical and horizontal deflection means and intensity modulation means, electron switching means for applying said frequency response voltage and the output voltages from said plurality of attenuators to the vertical deflection means in a predetermined sequence, means energized by the variable frequency source for generating frequency band width markers, means for applying said frequency markers to the intensity modulation means, and means for impressing a sweep voltage on the horizontal deflection means in synchronism with the electronic switching means so as to provide simultaneous observation of the plurality of vertically deflecting voltages.

2,626,981

INDUCTANCE AND SELF-CAPACITANCE MEASURING DEVICE

Edward M. Shlepe, Brooklyn, N. Y.
Application June 11, 1949, Serial No. 98,499
6 Claims. (Cl. 175-183)



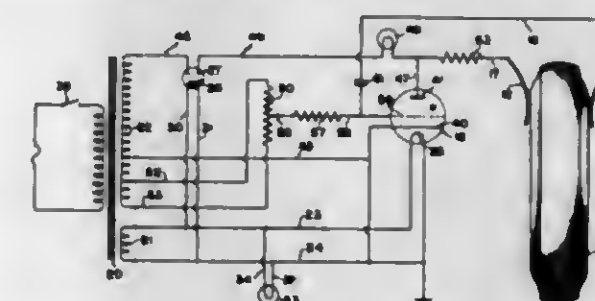
1. Apparatus for measuring inductance and capacitance comprising, a circuit containing a single thermionic oscillator of predetermined frequency for generating a number of harmonics of said frequency, a measuring circuit in operative relation to said circuit and energized thereby, and comprising a condenser and an inductance tuned to one harmonic frequency of the oscillator; parallel selector circuits, each tuned to a different harmonic of the oscillator, and having connections to the measuring circuit, so that one such selector circuit is energized when the coil is tuned by the condenser and thus indicates the

frequency to which said coil is tuned, said connections including an amplifier adjacent the measuring circuit, and having a cathode, a resistance element connected to said cathode and ground, and a second amplifier connected to the first between said cathode and said resistance, and an instrument for indicating resonance in the energized selector circuit, said apparatus also having a thermionic relay united to said selector circuits, and a switch controlled by relay for said instrument.

2,626,982

STATIC CONDUCTIVITY MEASURING DEVICE

Jack B. Collins, Isleworth, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 12, 1949, Serial No. 126,774
4 Claims. (Cl. 175-183)

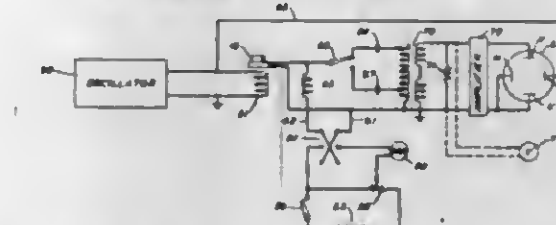


1. Apparatus for measuring the resistance of an article comprising a circuit including an electron discharge device connected to a source of alternating power and connected in series with an indicating means to indicate the flow of current through said device, an auxiliary circuit between the anode and the grid of said device for adjusting the grid potential thereof, said auxiliary circuit having in series a capacitor adapted to shift the phase of said grid potential with respect to the plate potential and contact means for gripping said article to introduce the resistance thereof into said auxiliary circuit.

2,626,983

MAGNETIC TESTING APPARATUS

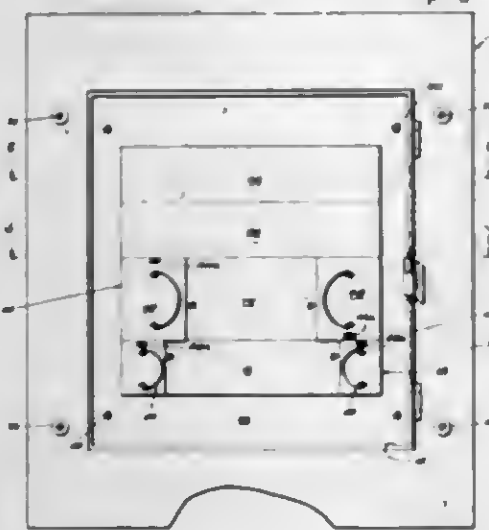
Grant G. Lavery, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 6, 1951, Serial No. 214,185
6 Claims. (Cl. 175-183)



2. Apparatus for testing the magnetic centering of the armature of a transducer of the balanced armature type, said transducer being provided with a magnetic circuit including two parallel air-gaps in which the ends of the armature are positioned and with a coil encompassing the armature, comprising means for establishing an alternating magnetic field, concentric with the transducer and normal to the axis of the coil, means for reversibly and variably supplying a direct current to the coil, thereby affecting corresponding rotation of the armature relatively to the air-gaps, and means for indicating the direction and extent of the rotation of the armature in either sense of rotation.

2,626,984

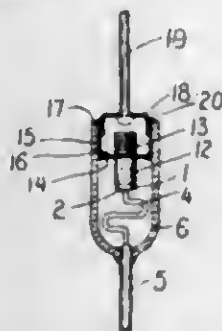
PLUG-IN DISTRIBUTION PANEL BOARD
 Thomas M. Cole, New York, N. Y., assignor to
 Federal Electric Products Company, Newark,
 N. J., a corporation
 Application March 30, 1950, Serial No. 152,945
 23 Claims. (Cl. 175-298)



1. A panelboard comprising a frame including laterally spaced longitudinal members and laterally spaced cross connecting members holding said longitudinal members in said relation and defining a rectangular frame structure open at the front of the frame, a plurality of bus bars carried by said cross members and disposed in laterally spaced relation in said frame and extending parallel to said longitudinal frame members, front shoulders on said longitudinal frame members, and a plurality of electrical devices having electrical connector members for engaging said bus bars and having means for releasably securing the devices to said shoulders for holding the devices in position on said frame, said devices comprising a pair of individual switch receptacles each provided with means for releasably securing said receptacles to said shoulder, each of said receptacles being provided with stationary contacts connected to said connector members, and a pull-out switch member removably mounted in each of said receptacles, said pull-out switch members carrying contacts which engage companion stationary contacts, respectively, of the companion receptacle when said pull-out member is mounted in a predetermined position in the companion receptacle.

2,626,985

ELECTRICAL CRYSTAL UNIT
 Paul E. Gates, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
 Application August 25, 1948, Serial No. 46,145
 2 Claims. (Cl. 175-366)



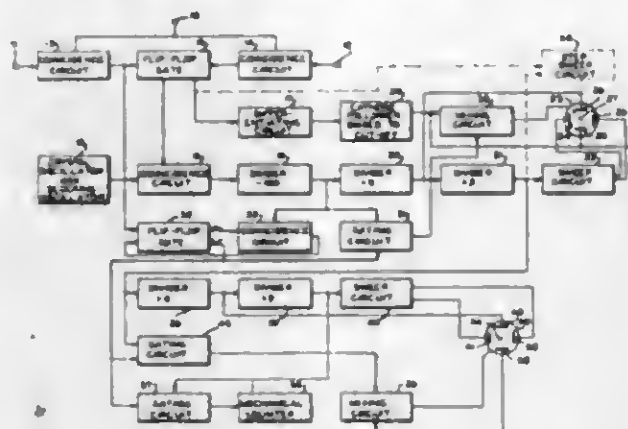
1. A semi-conductor translator having a point-contact element, a semi-conductor element engaged by said point-contact element, an envelope

enclosing said elements, said envelope including a glass wall portion and a metal end cap, a cylindrical metal fitting sealed to said glass wall portion, and a support extending adjustably through said fitting and carrying one of said elements within the envelope and having an engageable portion, said cap being soldered to said fitting and covering the engageable portion of said adjustable support.

2,626,986

SYSTEM FOR DETERMINATION OF VELOCITY

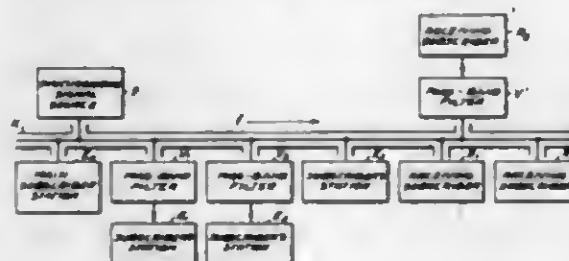
Edward F. MacNichol, Jr., Hamilton, and Israel H. Sudman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
 Application September 14, 1945, Serial No. 616,409
 9 Claims. (Cl. 175-381)



4. Apparatus responsive to radio pulse echo signals for timing the passage of a moving object over a predetermined range comprising, a generator of timing pulses of known constant repetition rate, a source of range marker voltage pulses, a time coincidence detector responsive to said radio pulse echo signals and said marker pulses to produce output pulses in response to the time of arrival of said object at the beginning and at the end of said range, an electronic switch circuit responsive to the output pulses of said detector circuit for starting and stopping said generator, and an indicator for displaying the number of pulses produced by said generator.

2,626,987

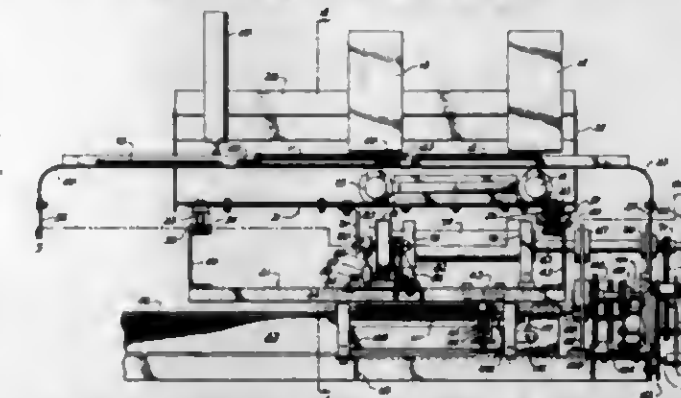
AUTOMATIC SWITCHING SYSTEM FOR ELECTRICAL TELECOMMUNICATIONS
 Henri Maurice Veaux, St. Leu La Foret, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
 Application July 3, 1947, Serial No. 758,849
 In France September 13, 1944
 Section 1, Public Law 690, August 8, 1946
 Patent expires September 13, 1964
 1 Claim. (Cl. 178-5.6)



A facsimile transmitting system comprising a plurality of transmitting stations, a plurality of

2,626,989

COMPARATIVE PHOTOMETER
 Albert A. Brown, Danville, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
 Application October 28, 1948, Serial No. 56,930
 12 Claims. (Cl. 178-6.7)



1. A comparative photometer comprising in combination, a stationary support adapted to retain thereon a film and a plurality of negatives in predetermined fixed relative positions, a first movable carriage mounted adjacent said support and movable transversely thereto, a plurality of light scanning means for directing pencils of light upon said negatives, a plurality of light receivers for receiving light passing through said negatives, a light projector connected to said light receivers and adapted to project light upon said film in dependence upon the amount of light falling upon said light receivers, said scanning means, light receivers and light projector being operatively mounted upon said first carriage for relative movement with respect to said stationary support, a second movable carriage supporting said first carriage and movable longitudinally of said stationary support and actuating means for moving said first and second carriages simultaneously.

2,626,990

GUIDED WAVE FREQUENCY RANGE TRANSDUCER

John R. Pierce, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
 Application May 4, 1948, Serial No. 25,027
 41 Claims. (Cl. 178-44)



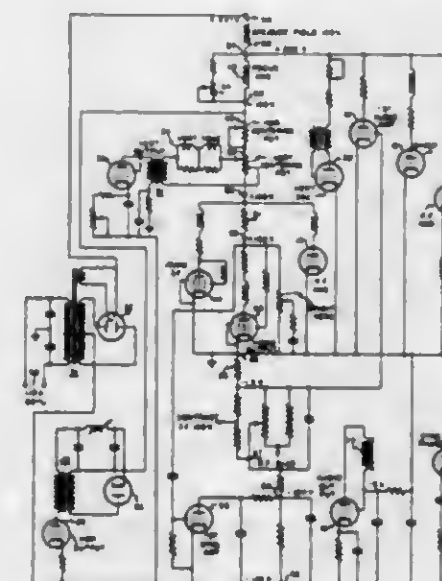
1. A transducer comprising a plurality of guided wave frequency range cavity resonators, each of said resonators having a resonant frequency which differs from several of the resonant frequencies of the remainder of said resonators, two sections of guided wave frequency range transmission line and two coupling arrangements associated with each resonator, one coupling arrangement in the case of each resonator coupling one point of its associated resonator to one section of wave guide, the other coupling arrangement coupling an opposing point of said resonator to the other section of wave guide, one end of each of said sections of transmission line being short-circuited, the coupling points of said resonators to said transmission lines being spaced from said short circuited ends and from each other by discrete distances in wavelengths of the median frequency of the energy to be transmitted through said resonators.

receiving stations, a common transmission line for said stations, means at each transmitting station for electrically transmitting a facsimile over said line during one of a series of successive periods forming a cycle, said facsimile including receiving station identification indicia, means for transmitting synchronizing cycle and period signals to said stations over said line at the beginning of each cycle and period, respectively, means responsive to said signals for actuating the transmitting means at a transmitting station during a predetermined period, including a first sawtooth wave generator coupled to said line and triggered by the cycle signal, said wave having a duration equal to that of a cycle, a second sawtooth wave generator coupled to the line and triggered by each period signal, the latter wave having a duration equal to that of a period, and a transmission starting device actuated by the combined action of said first and second sawtooth wave generators, and means at each receiving station responsive to a particular receiving station identification indicia for causing said station to receive the transmitted facsimile containing said indicia, said transmission starting device including an electron discharge tube having a grid connected to both generator outputs and normally maintained at a bias having a value below cut-off less than the combined generator output value at the beginning of a selected period but greater than the latter value during preceding periods, said transmission starting device being actuated by the output of said tube, whereby transmission is started at the beginning of the selected period.

2,626,988

POWER SUPPLY ARRANGEMENT FOR TELEVISION RECEIVERS

Charles E. Torsch, North Syracuse, N. Y., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
 Application October 7, 1948, Serial No. 53,261
 9 Claims. (Cl. 178-5.81)



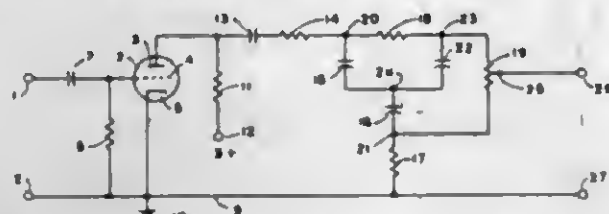
1. A power supply arrangement for a television receiver comprising means generating a power supply potential and a voltage dividing means to which said potential is applied for conversion to the various voltage levels required by said receiver, said voltage dividing means consisting substantially entirely of circuit components through which the passage of current operates upon some portion of the received signal as a step in its transformation into the final output of the receiver.

2,626,991

TONE CONTROL SYSTEM

Garrard Mountjoy, Canandaigua, and Curtiss R. Schafer, Walworth, N. Y., assignors to Stromberg-Carlson Company, a corporation of New York

Application June 16, 1948, Serial No. 33,316
2 Claims. (Cl. 178-44)

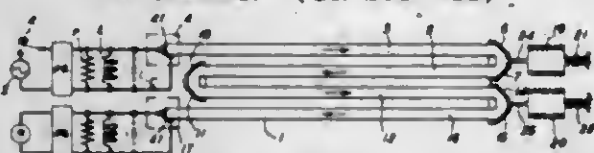


1. In a system for transmitting a relatively wide band of audio frequencies, means for substantially attenuating the middle and upper portions of said frequency band without appreciably affecting the lower portion of said frequency band, comprising: a three terminal network having an input terminal, an output terminal and a common terminal; a series path including two impedance elements between said input and output terminals; a pair of series-connected capacitively reactive impedance elements connected in shunt with one of said two impedance elements; and another capacitively reactive impedance element and another impedance element connected in series between the common connection between said capacitively reactive impedance elements and said common terminal.

2,626,992

SIGNAL DELAY DEVICE

Erwin W. Holman, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 26, 1949, Serial No. 78,503
10 Claims. (Cl. 178-44)



2. In a delay transmission line comprising a fluid-filled tube of relatively great length, a piezoelectric crystal at an end of said tube for converting impressed electrical pulses into mechanical pulses in said fluid, and a backing plate for said crystal, said crystal having a sufficiently high resonant frequency to possess the band width necessary to transmit the pulses true to form, said frequency being sufficiently high that standing waves in said line are not troublesome, said crystal having a thickness of half a wavelength at the resonant frequency, and the side of said backing plate facing said crystal having good reflecting properties.

2,626,993

CONTROL OF CARRIER TRANSMISSION SYSTEMS BY PILOT FREQUENCIES

Frank Coram Wright, Kenneth George Hodgson, and Alleman Holly Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application June 7, 1947, Serial No. 753,352

In Great Britain January 10, 1939

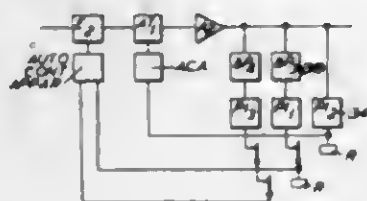
Section 1, Public Law 690, August 8, 1946

Patent expires January 10, 1959

8 Claims. (Cl. 178-44)

7. A transmission system employing signals at a plurality of pilot frequencies for controlling the

electrical characteristics of said system and employing other signals for communication, said system comprising means responsive to one of said pilot signals for automatically effecting a

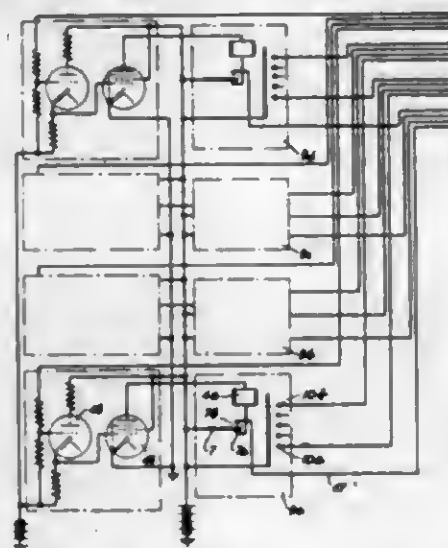


control therein and means responsive to said communication signals for rendering said means responsive only when said communication signals fall below a predetermined level.

2,626,994

MULTIPLEX TELEGRAPH SYSTEM

Allan Weaver, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 19, 1949, Serial No. 128,395
17 Claims. (Cl. 178-50)



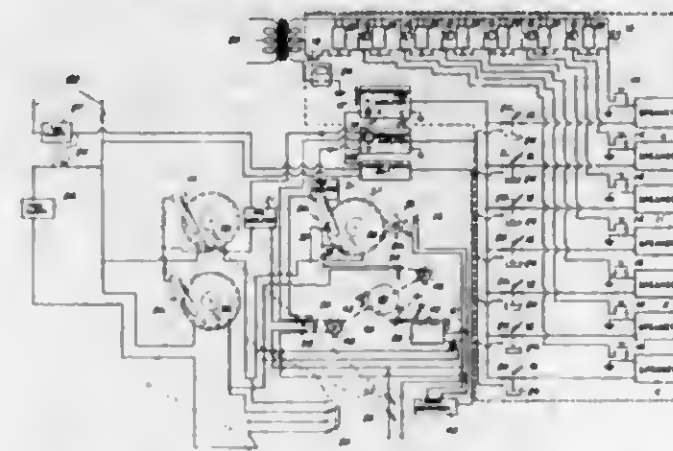
1. In a multiplex telegraph system, a plurality of permutation code signal sources, a transmitting distributor having a plurality of electronic gate circuits associated with said signal sources for transmitting start, code and stop impulses, a closed electronic counting ring for sequentially activating the gate circuits of the said transmitting distributor, a first electronic oscillator adapted to operate the said counting ring, a receiving distributor having a plurality of electronic gate circuits, a transmission medium coupling said transmitting and receiving distributors, a plurality of telegraph printing devices equal in number to the said plural signal sources, said telegraph printing devices being adapted to receive signals discretely from the said signal sources through the gate circuits of the said transmitting and receiving distributor, an open end electronic counting ring having initial, intermediate and final segments activating the gate circuits of the said receiving distributor, a second electronic oscillator adapted to operate the said second counting ring, means for synchronizing said closed and open end counting rings, said latter means comprising means to derive a synchronizing pulse from the said transmitting distributor through the transmission medium, and means to apply said synchronizing pulse to the initial segment of the said open end electronic counting ring, whereby said counting ring is cyclically energized.

2,626,995

BROADCASTING AND INTERCOMMUNICATION SYSTEM

Layne O. Hodson, Layton, and Garold Hodson and Clark Ross, Ogden, Utah, assignors, by direct and mesne assignments, of one-third to said Layne O. Hodson and said Garold Hodson and one-third to Blaine W. Wilson and one-third to Philip A. Mallinckrodt, both of Salt Lake City, Utah

Application March 2, 1948, Serial No. 12,654
5 Claims. (Cl. 179-1)



1. A sound transmitting and reproducer system, comprising a plurality of speaker units; a single broadcast source; a broadcast circuit including an amplifier, said broadcast circuit connecting said single broadcast source in common with the speaker units; a master speaker unit, an intercommunication circuit including an amplifier, said intercommunication circuit connecting said master speaker unit in common with said plurality of speaker units; individual switches located in proximity to the respective speaker units and connected in common with both the broadcast circuit and the intercommunication circuit for selectivity establishing connection of said speaker units with either the broadcast circuit or the intercommunication circuit; means normally maintaining the respective switches in contact position establishing electrical connection of the respective speaker units with the broadcast circuit; a master control panel; intercommunication control means for the master speaker unit, said means including a group of individual switches connected in said intercommunication circuit to control connection of said master speaker unit with the respective speaker units, said intercommunication control means being located at said master control panel; individual signalling means connected in circuit with the respective speaker controls of the intercommunication circuit and disposed at the master control panel in correlated relationship with the individual switches of said group of switches; and time means operably associated with the respective switches of said group of switches for predetermining the time periods of connection of the respective speaker units with the intercommunication circuit.

2,626,996

CONVERSION FROM DIRECT CURRENT TO DOUBLE VOICE FREQUENCY IMPULSING

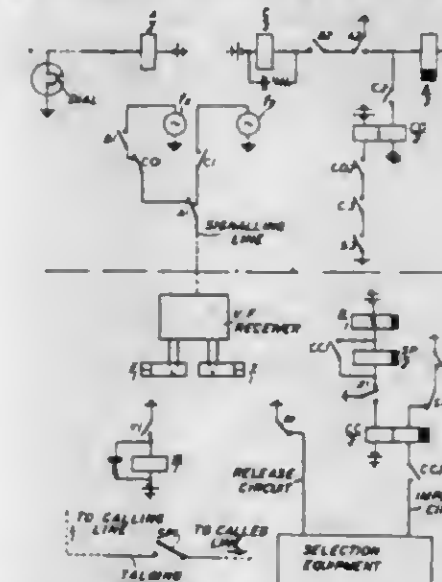
Leslie Ronald Brown, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 4, 1948, Serial No. 6,247

In Great Britain February 7, 1947

3 Claims. (Cl. 179-16)

1. A signalling system for directly translating selective trains of direct current signals into cor-

responding trains of voice-frequency signals comprising, means for generating trains of direct current signals each of a same predetermined "break" duration corresponding to an interruption of line current and having a predetermined "make" duration between signals, means for receiving said trains of direct current signals, voice-frequency transmitting equipment including two different voice-frequency sources, means responsive to the initial reception of a first break signal of a direct current signal train for con-

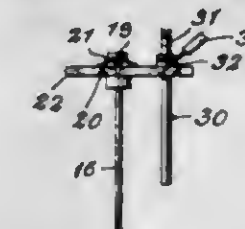


trolling said transmitting equipment to transmit a prefix signal from a first frequency source, means responsive to the end of each break period of said direct current signal train for controlling said transmitting equipment to transmit a voice-frequency signal from said second frequency source of a duration corresponding to said make period, and time delay means operative to terminate a last voice frequency signal transmitted from said second voice frequency source after the lapse of a time period substantially equal to a make period.

2,626,997

IGNITION TIMER

Orrin H. Thomas, Williamsport, Pa., assignor of one-half to Russell W. Fuller, Jersey Shore, Pa.
Application October 13, 1950, Serial No. 189,984
1 Claim. (Cl. 200-32)

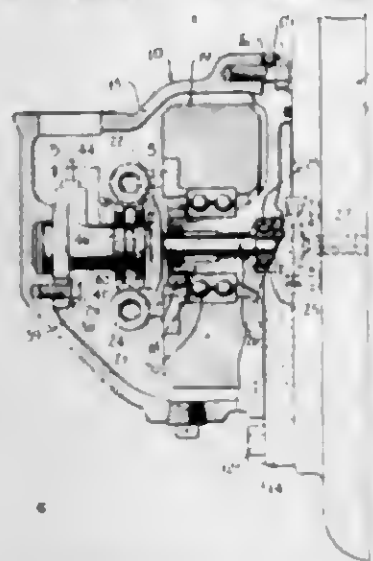


A make and break device for the electrical circuit of a distributor having a rotor shaft, a horizontally positioned cam fixed on said shaft for rotation therewith, said cam having a plurality of upwardly disposed, equally spaced ribs extended radial on the upper face of the cam, said ribs each having inclined faces, an upright support mounted within the housing of the distributor, an arm vertically movable of said support and having one end disposed over the face of the cam for successive engagement with the ribs under rotation of the cam member, spring means between the support and the arm urging the arm into engagement with the cam, a conductor housing mounted in the housing of the distributor and arranged parallel to the rotor shaft, a current conducting substance in said conductor housing, a top closure for the conductor housing and hav-

ing an axial aperture, an electrode adjustably fixed to the other end of said arm and vertically slidable through the axial aperture of the top closure for intermittently engaging said current conducting substance.

2,626,998

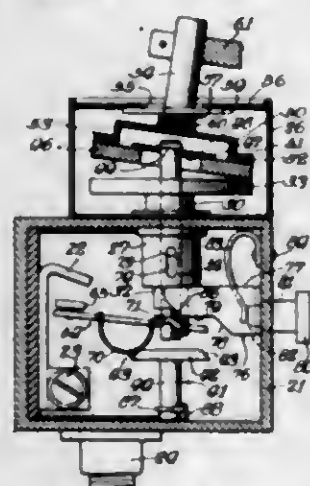
INERTIA-CONTROLLED SWITCH DEVICE
Joseph H. Coombes, Jenkintown, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 2, 1950, Serial No. 182,911
3 Claims. (Cl. 200—52)



1. A rotary inertia switch device comprising a rotatable member having oppositely generally radially extending arms of equal lengths, an inertia element mounted to rotate concentrically therewith and driven thereby, yielding means inserted in said drive and permitting overrun or lag of the inertia element under conditions of abnormal acceleration or deceleration of said rotatable member, flanged cups shiftable mounted on guides on said inertia member, said yielding means comprising coil springs, bearing through one of their ends through said spring cups upon the respective arms and having their opposite ends engaged with respective abutments on the inertia element, and means connected to said cups and operable by the movement of either of said cups toward the associated abutment, upon predetermined overrun or lag of said inertia element, for instigating a control function.

2,626,999

CONTROL DEVICE
Frederick O. Johnson, Chicago, Ill.
Application March 7, 1950, Serial No. 148,194
25 Claims. (Cl. 200—67)

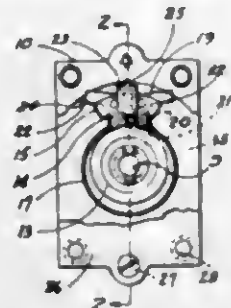


1. A control device of the character described comprising motion translating means including

a pair of elongated movable members arranged for both independent and conjoint longitudinal movement, an electric switch having a movable electric contact element operatively supported on one of said members for pivotal movement between "on" and "off" positions, and spring means operatively disposed between one of said members and said contact element for effecting snap action pivotal movement of the latter in response to longitudinal movement of at least one of said members.

2,627,000
SWITCH

Max L. Jeffrey, Chagrin Falls, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application November 4, 1949, Serial No. 125,467
5 Claims. (Cl. 200—70)



1. A snap action mechanism for a switch comprising a driving member having a body portion, a necked down portion and a flange portion, a driven member having a body portion, a necked down portion and a head portion having laterally extending parts, resilient means surrounding said body portions and engaging both of said necked down portions adapted to store up energy upon relative displacement between said driving and driven members, a pair of latch means pivotally supported on said head portion, one of said latch means adapted to resist movement in one direction and the other to resist movement in the opposite direction, said switch having a part extending over said latch means and having an arcuate surface with notches therein to be engaged by said latch means, each of said latch means comprising a bell crank lever, one part of which is disposed for engagement in said notches and the other parts of which extend in opposite relation to each other and spring means seated between said last ends to engage said ends and hold the first ends in engagement with said overhanging part, said flange portion adapted to release said latch means from said notches upon a predetermined amount of displacement between said driving and said driven member.

2,627,001

FUSED CONNECTING ATTACHMENT
Samuel H. Melnick and William Rusnak, Chicago, Ill.
Application May 11, 1950, Serial No. 161,426
1 Claim. (Cl. 200—115.5)

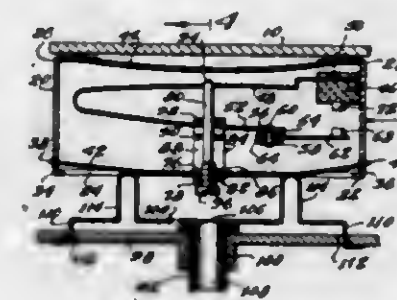


An appliance fuse of the class described comprising a body, including a pair of abutting parts and securing means therefor, a prong supported within the body and in part protruding beyond

one end of said body, a companion prong supported within the body and in part protruding beyond said end of the body, said prongs being adapted for insertion in an electrical receptacle, a resilient member supported within said body and united with and forming an extension of said companion prong, a second resilient member supported within said body, said resilient members being adapted for electrical contact with male elements of an appliance plug, said first prong and first member being deformed laterally and mutually parallelly to provide a pair of spaced apart contact surfaces, a fusible element positioned in electrical contact therewith to complete a circuit through said first prong and first member, a pair of insulating plates positioned with said fusible element therebetween, at least one of said plates being transparent for revealing the fusible element and said transparent plate being disposed to the exterior of the body, each said body part having opposed recesses for receiving said prongs, members, plates and fusible element, said united prong and member having a lateral projection and said body parts having a recess for receiving said projection to retain said prong and member longitudinally with respect to said body.

2,627,002

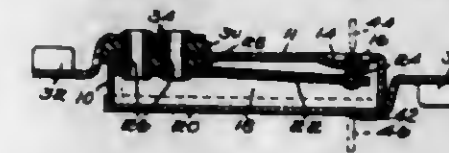
BIMETALLIC SWITCH
Octavio Jose Alvarez, New York, N. Y., assignor, by mesne assignments, of one-fourth to Maria de Reitzes-Marienwert, New York, N. Y.
Application May 28, 1949, Serial No. 95,999
12 Claims. (Cl. 200—138)



1. A bimetallic switch comprising in combination: a bimetallic strip; a spring arranged for snapping transition from one end position into another end position; a connection between said bimetallic strip and said snapping spring causing said spring to snap into the other end position when said bimetallic strip is hot; a contact disposed between said bimetallic and said spring; said contact having a circuit-breaking position and a circuit making position; a connection between a first portion of said snapping spring and said contact causing to move said contact into circuit-breaking position when said snapping spring has moved into the other end position under action of said bimetallic strip; and manually operated means adapted to engage said snapping spring at a second portion thereof distant from said first portion of said snapping spring for bending the same from said other into said one position, operation of said manually operated means while said snapping spring is prevented from returning into said one position resulting, however, in bending of said snapping spring without its return in said one position and without consequent closing of said contact.

2,627,003

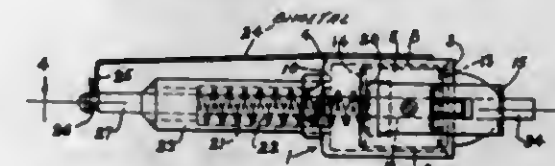
THERMOSTATIC CONTROL DEVICE
Malcolm E. Porter, Middleboro, Mass., assignor to The Lobl Manufacturing Company, Middleboro, Mass., a corporation of Massachusetts
Application October 25, 1949, Serial No. 123,335
3 Claims. (Cl. 200—138)



1. A thermostatic control device comprising a generally flat sheet metal body member, a relatively short sheet metal strip element secured at one of its ends to said body member and having a contact end portion disposed in general parallelism with said body member at a location to one side of the general plane of said body member, a relatively long thermally responsive bi-metal strip secured at one of its ends to said body member and insulated therefrom, said bi-metal strip extending from its said end securement in spaced relation to said body member with its free end movably disposed in co-acting relation to said contact end portion of said sheet metal strip element, said sheet metal strip element being difficultly bendable to position its said contact end portion closer to and further from said movable free end of the bi-metal strip and having the character that it stands relatively rigid in any of said positions, and a pair of terminals of which one is connected to said body member and the other is connected to said bi-metal strip.

2,627,004

FIRE DETECTOR
Maxime E. Ouellette, Macwahoc, Maine
Application April 17, 1951, Serial No. 221,486
2 Claims. (Cl. 200—138)



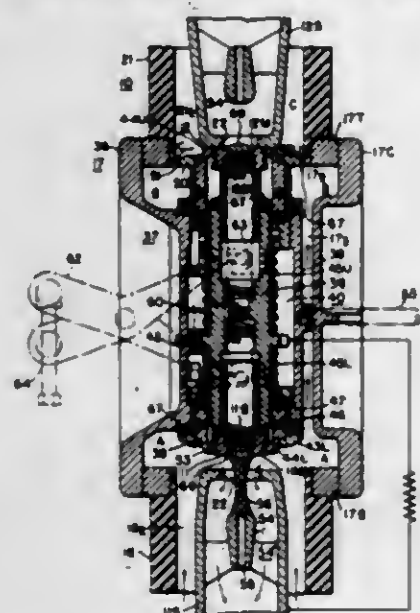
1. A fire detector for closing a signal circuit when fire conditions arise in the vicinity thereof, said fire detector having a body provided with a contact-receiving chamber and comprising two separable U-shaped members, one of which constitutes a contact-supporting member and forms two opposite sides and one end wall of said chamber, and the other of which constitutes a thermostat-supporting member and forms the other two opposite side walls and the other end wall of said chamber, means yieldingly holding the two U-shaped members in their operative relation, a contact element within said chamber secured to but insulated from one of the side walls of the contact-supporting member, said contact element having two inwardly directed contact portions spaced from each other, means electrically connecting the contact element to one side of the signal circuit and the thermostat-supporting member to the other side of said circuit, a plunger member extending through the end walls of said chamber and projecting at both ends beyond said end walls, a contact flange secured to the plunger and located between the contact portions of the contact member, a spring acting on said plunger member and normally urging it toward a position in which the contact flange engages one of

the contact portions, and a thermostat element secured to the thermostat member and located externally thereof and normally having a yielding interlocking engagement with an end portion of the plunger which projects beyond said chamber by which the plunger is held in a position in which the contact flange is out of contact with both contact portions of the contact element, said thermostat being responsive to an abnormal rise in temperature in the air surrounding the detector to release the plunger, whereby the spring operates the latter to close the signal circuit.

2,627,005

INTERRUPTER PART OF COMPRESSED-AIR-BREAKERS

Benjamin P. Baker, Turtle Creek, Erling Frisch, Pittsburgh, Wayne S. Aspey, Turtle Creek, and John B. MacNeill, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1949, Serial No. 74,406
16 Claims. (Cl. 200-148)



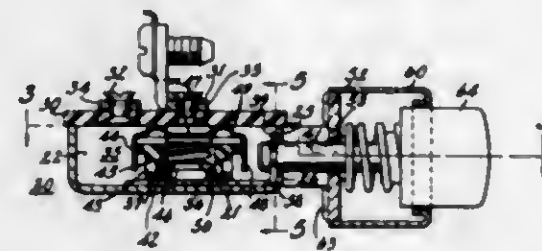
1. An interrupter-assembly for a compressed-air circuit-breaker comprising: an enclosed interrupting chamber, a hollow elongated stationary contact-member disposed within said chamber having an orifice in its front end; a substantially closed exhaust-chamber at the rear end of said stationary contact-member in air-communication with its hollow interior; a moving-contact assembly comprising a spring-closed, longitudinally movable contact-member normally abutting against the front end of said stationary contact-member and in such position substantially covering said orifice; and means for, at times, supplying a blast of compressed air to the enclosed interrupting chamber surrounding the abutting ends of the two contact-members; said exhaust-chamber having means for permitting a slow air-exhaustion therefrom and thereby preventing free venting of the enclosed interrupting chamber to atmosphere during the time of contact separation and having a capacity such as to build up, in said exhaust-chamber, a pressure equal to about 50 percent of the pressure in the enclosed interrupting chamber surrounding the normally abutting ends of the two contact-members in a time not much longer than the time necessary for the moving member to move back to full contact-gap-separation under the influence of the air-pressure of the applied air-blast and for the longitudinally flowing air-blast in the orifice to extinguish the resulting arc.

2,627,006

SWITCH MOUNTING

John W. Lawson and William Earl Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 16, 1948, Serial No. 39,064
3 Claims. (Cl. 200-159)

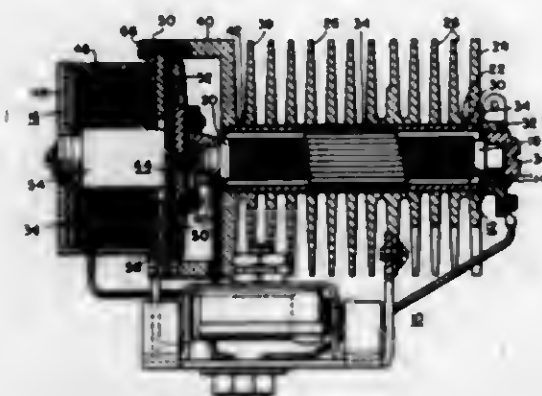


1. An electric switch adapted to be mounted in an opening in a panel, comprising a case having a bottom wall, side walls, a first end wall, and a second end wall, said first end wall providing a case closure adjacent to one edge each of the side walls, and said second end wall is between portions of the side walls, said portions of the side walls extending outwardly from the second end wall, a mounting plate connected with the extending portion of the side walls to support the case and adapted to be attached to the back of the panel, a case cover attached to the side walls, contacts supported by the cover, a movable contact for bridging the contacts on the cover, a contact carrier movable on the bottom wall of the case and having a part for engaging the second end wall, a rod connected with the carrier and extending through the second end wall and the mounting plate, a knob attached to the rod, a spring between the knob and a casing part to urge the said contact carrier part against the second end wall of the case.

2,627,007

PILE REGULATOR

Harrison H. C. Richards, Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1950, Serial No. 169,117
6 Claims. (Cl. 201-51)



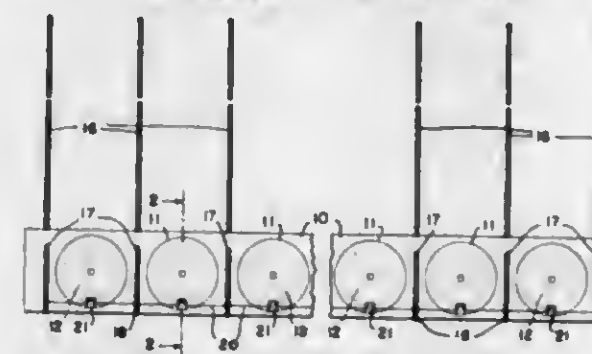
1. In a pile regulator having a stack of discs of resistance material and an electromagnet disposed for operation to control the pressure applied to the stack, the combination comprising, a holding member carried by the electromagnet, an abutment member secured in assembled relation by the holding member, an armature member for the electromagnet, a spring member that is normally flat when unrestrained disposed to seat against a pivot line formed by the line of demarcation between two surfaces of the armature member, one of said two surfaces farthest from the center of the armature member being beveled the spring member having a central opening and

having the opposite ends thereof extending outwardly from the beveled surface of the armature member to seat against the abutment member, holding means disposed to seat against the spring member intermediate the central opening and the ends thereof to secure the spring member in assembled relation with respect to the armature member along the pivot line, and means disposed centrally of the spring member disposed to be adjusted to apply a force to the spring member in opposition to the holding means to thereby control the initial loading of the spring member as it seats against the abutment member, the abutment member being adjustable in its assembled relation with respect to the holding member to adjust the position of the abutment member relative to the ends of the spring member seating thereagainst to vary the operating characteristics of the regulator.

2,627,008

MULTIPLE TAP RESISTANCE UNIT AND THE METHOD OF MAKING THE SAME

James Dunlop, Philadelphia, Pa.
Application June 25, 1951, Serial No. 233,385
10 Claims. (Cl. 201-63)



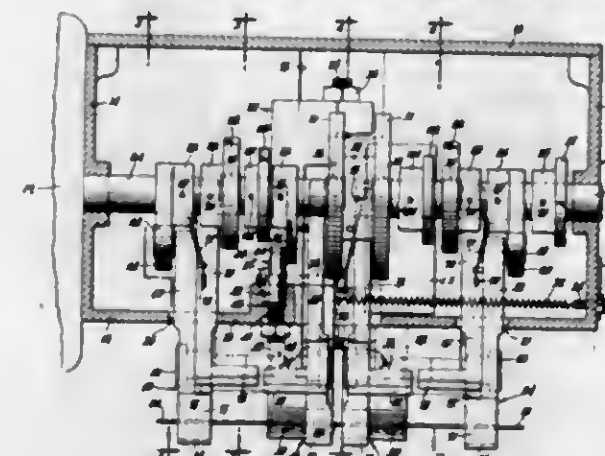
1. A multiple tap resistance unit comprising a strip of insulating material having a plurality of spaced holes, spools mounted within and filling said holes, said spools being made of the same material as the strip, and resistance wire wound on said spools.

2,627,009

METHOD OF AND APPARATUS FOR WELDING AND ANNEALING METAL ARTICLES

John H. Corson, Edward A. Suverkrop, and Dartrey Lewis, Trenton, N. J., assignors to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey

Application October 4, 1949, Serial No. 119,438
16 Claims. (Cl. 219-10)



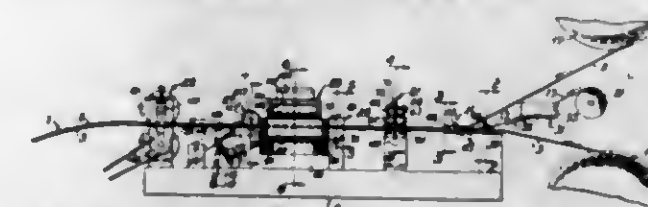
2. In apparatus of the character described, a support, a pair of welding clamps carried by the support, a pair of annealing clamps pivotally mounted on the support, each clamp including a pair of jaws, resilient means normally urging the jaws of each annealing clamp to closed position,

each welding clamp and a corresponding annealing clamp being adapted to grip a metallic article, such as a steel wire, between the jaws thereof whereby the articles are disposed in end abutting relation, a welding circuit including the welding clamps and the articles, an annealing circuit including the annealing clamps and the articles, means for opening the jaws of the welding clamps, means for moving the annealing clamps about their pivotal connection with the support to a position whereby the articles are placed out of contact with the open jaws of the welding clamps, and means including a switch for closing the annealing circuit upon movement of the annealing clamps to said position.

2,627,010

APPARATUS FOR SOLDERING METAL STRIPS

George A. Matteson, Jr., Providence, R. I., Omer J. Rainville, Attleboro, Mass., and George I. Parker, Rumford, R. I., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application January 28, 1948, Serial No. 4,758
7 Claims. (Cl. 219-12)



1. A heating press for use in soldering apparatus of the type wherein continuously traveling metal strips having solder therebetween are to be soldered together, comprising a fixed press bed formed of carbon so as to be heatable by electrical induction, a pressure block also formed of carbon so as to be heatable by electrical induction and adapted to bear against the strips and press them against the bed, and an induction coil surrounding the bed and the block for inductively heating them, the axis of the coil extending in the direction of travel of the strips, the bed and block being of sufficient mass to have a slow thermal response to variations in the strength of the field of the induction coil so as to avoid wide variations in the temperature of the press, the bed having a surface on which the strips slide from one end of the bed to the other and the block having a surface for slidably bearing against the strips, said surfaces being shaped to fit the cross section of the strips passing through the press.

4. Apparatus for soldering together two continuous metal strips having different coefficients of thermal expansion comprising a support, means on the support for holding a roll of each strip and a roll of strip solder, feeding means for the said metal and solder strips on the support forward of the roll holding means consisting of a set of soft rubber pinch rolls and means for driving only one of said pinch rolls, and a heating press on the support forward of the feeding means comprising a flat-surfaced press bed, a pressure block, and means for heating said bed and block.

2,627,011

HEATING DEVICE FOR WINDOW CLEANERS

William C. Eaves, Elyria, Ohio
Application April 5, 1949, Serial No. 85,563
5 Claims. (Cl. 219-19)

1. A combined windshield wiper and de-icing device including; a metal bar; a movable wiper

blade supported by the metal bar; and electrically energizable heating unit; said unit having a core; a resistance wire element mounted upon said core; said element and core being in juxtaposition to and coextensively arranged with respect to the metal bar; a relatively thin layer of



hardenable resinous insulating material disposed between said element and said bar; means including a pair of clips for securing the core in fixed relation to said bar, and a current conductor connected to said element for supplying electrical energy thereto.

2,627,012

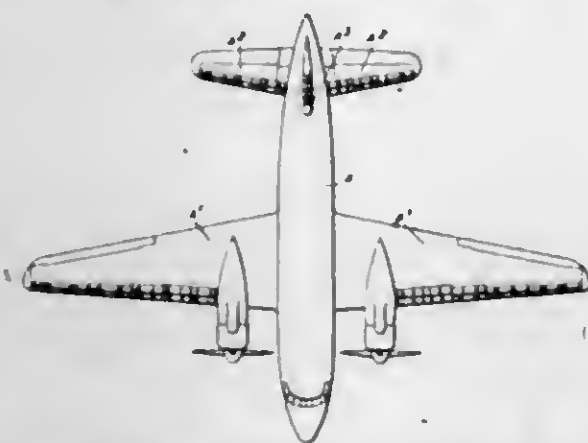
HEATING OF SURFACES BY LAMINATED FOIL RESISTANCE ELEMENTS WITH TIMED CONNECTING MEANS

John Kinsella and Ernest Owen Robertson, Luton, England, assignors to D. Napier & Son Limited, London, England, a British company, and The English Electric Company Limited, London, England, a British company

Application August 5, 1950, Serial No. 177,882

In Great Britain June 21, 1949

6 Claims. (Cl. 219-19)



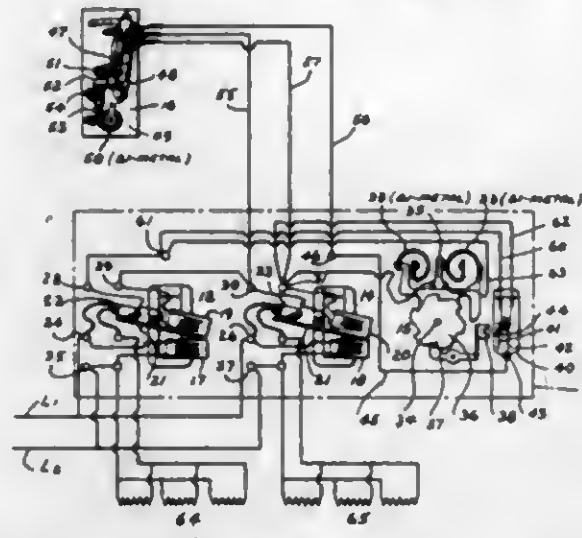
1. Heating apparatus for preventing the formation of ice on the parts of an aircraft comprising a series of heating elements each consisting of a thin sheet of foil of conducting material having a series of perforations formed therethrough and layers of insulating material arranged on opposite sides of the thin perforated sheet and united to the perforated sheet and to one another through the perforations in the sheet to form a unitary structure and means for connecting the heating elements at timed intervals and in series to a source of electric current.

2,627,013 CONTROL MEANS FOR ELECTRICAL DISTRIBUTION

Ira E. McCabe, Chicago, Ill.

Application February 17, 1950, Serial No. 144,828

17 Claims. (Cl. 219-20)



1. In control means, the combination with a plurality of resistance elements for radiant heating, of a relay switch for each element connected in series circuit relation therewith for controlling current flow to the element, a relay for each switch for actuating the same into a closed circuit position when its relay is energized, timing means providing a cycling switch for alternately energizing the relays and thus the resistance elements, thermostatic means including a high temperature switch and a low temperature switch, and circuit means electrically connecting the high and low temperature switches and the cycling switch with the relays, said thermostatic means having two-stage operation through its high and low temperature switches for selectively energizing the relays either alternately through the cycling switch or continuously by rendering the cycling switch non-operative as regards its cycling function.

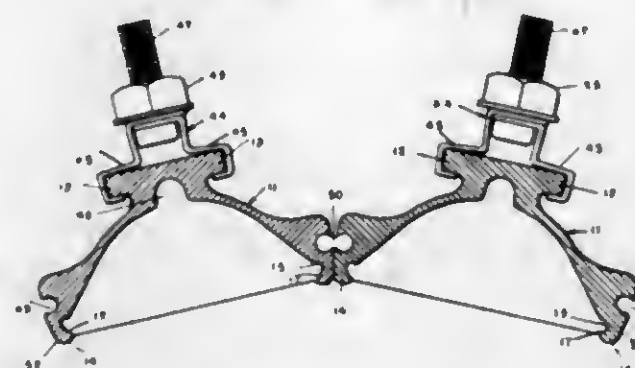
2,627,014

RADIANT HEATER

Joseph E. Kolb, Scott Township, Allegheny County, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 25, 1950, Serial No. 181,410

4 Claims. (Cl. 219-34)



1. An electric heater, comprising at least two elongated housings arranged in side-by-side relation, with each housing providing an elongated substantially rectilinear outwardly directed concavity, a radiant heating element mounted in each concavity, a radiant heating element mounted in housings in side-by-side relation in a manner to permit relative bodily adjustment of the housings for variation in the direction of heat radiation, said means including an undercut groove extend-

ing longitudinally along the adjacent sides of each of said housings, and a connector member having spaced parallel enlargements insertable into coincident undercut grooves with one of the enlargements in the groove in one of the housings and the other of the enlargements in the groove in the other of the housings.

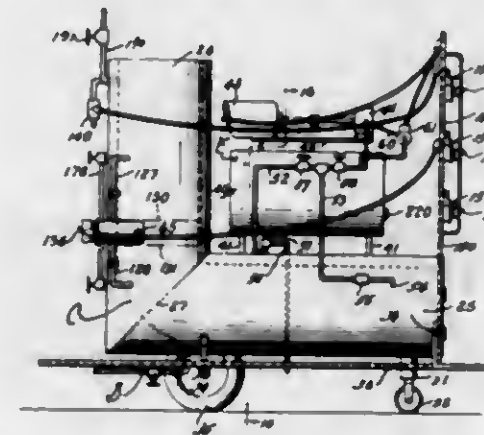
2,627,015

ELECTRIC STEAM GENERATOR AND CLEANER

William C. Hackman, Silver Spring, Md., assignor to Electric Steam Cleaner Manufacturing Corporation, Chevy Chase, Md., a corporation of Maryland

Application August 23, 1948, Serial No. 45,722

10 Claims. (Cl. 219-39)



9. In a steam generator the combination of a steam generating tank, a plurality of independent electrical heating units mounted in the tank for generating steam from water therein, an electric circuit having said heating units connected therein, an electromagnetically controlled switch for each of the heating units disposed in said circuit, a manually controlled switch in said circuit for each of said heating units for selectively controlling the flow of current through the respective electromagnetically operated switches, water level actuated switch means upon the tank for simultaneously controlling the flow of current in said circuit to said heating units, pressurestat actuated switch means upon the tank for simultaneously controlling the flow of current in said circuit to said heating units, water inlet means for the tank, motor actuated pump means for pumping water through the inlet means to the tank, normally closed electromagnetically actuated valve means in the inlet means between the pump and tank for controlling the flow of water from the pump to the tank, water level actuated switch means upon the tank for opening and closing said electromagnetically actuated valve, and manually actuated switch means in said electric circuit bypassing said last mentioned means for closing the circuit through said electromagnetically actuated valve of the water inlet means independent of said last mentioned means.

2,627,016

INFRARED LAMP BROODER

Jay Lawrence Hollinger, Hershey, Pa.

Application August 20, 1951, Serial No. 242,721

1 Claim. (Cl. 219-45)

A brooder for baby chicks or the like comprised of an elongated trough-like receptacle of V-shaped cross section having a plurality of staggered sockets diverging from opposite sides of the receptacle therein including end and intermediate sockets, a circuit supplying current to said sockets, infra-red bulbs in said sockets, and a

thermostatic switch depending below said receptacle operable automatically to energize and de-



energize said intermediate sockets in accordance with temperature variation, said end sockets remaining continuously energized.

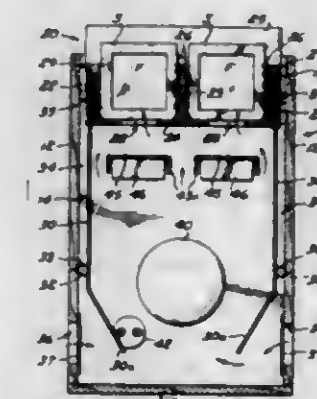
2,627,017

PREWARMING DEVICE FOR FILM SLIDES

Paul J. Howard, Bakersfield, Calif.

Application October 11, 1951, Serial No. 250,836

19 Claims. (Cl. 219-45)



1. In combination in a prewarming device for film slides: a housing having vertical end and side walls, and a bottom wall; spaced supporting and air-guiding baffle walls extending alongside certain of said vertical walls and spaced somewhat therefrom, such supporting walls having their lower edges spaced above said bottom wall and providing between them a warm air chamber; heating means disposed between the lower end portions of said supporting walls; means for supplying air into the lower end of said chamber; and a slide tray supported upon the upper portions of said supporting walls, said tray having means for positioning slides in spaced relation and having slot means in its bottom underlying said slides when in position, said slot means providing for the passage of warm air upward between said slides from said warm air chamber.

2,627,018

THERAPEUTIC HEATER

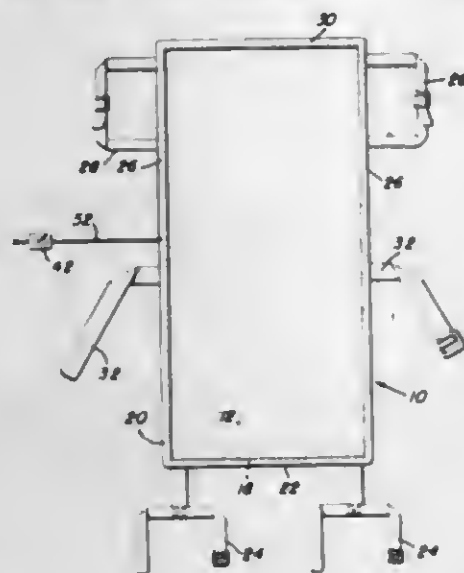
Robert B. Duren, Oakland Park, Fla.

Application May 7, 1951, Serial No. 224,953

1 Claim. (Cl. 219-46)

A body heating device comprising a substantially rectangular pad, a pair of spaced straps secured to each side of said pad adjacent the upper end thereof, the ends of each pair of straps being detachably secured together to provide shoulder engaging means, spaced straps secured to the lower end of said pad adjacent the corners thereof, means on said last-mentioned straps to engage the thighs, straps secured to the sides of said pad intermediate the ends thereof for embracing the torso, electrical heating means in said pad, said electrical heating means including coils in said pad and switch means operatively connected to said coils and to a source of current for selectively energizing said coils to produce low

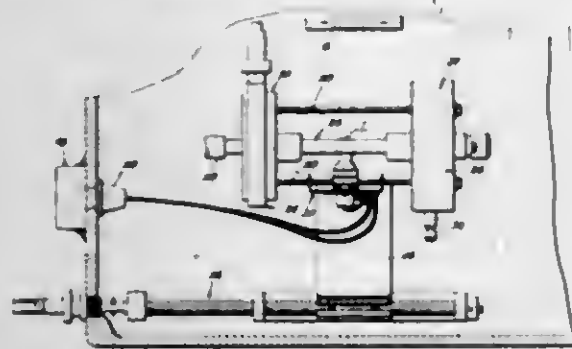
and high heat, said switch means being a three-way switch, said coils being three in number, two connected in parallel and including conductive wires secured to two switch terminals and constituting the high heat circuit while the other coil



includes a conductive wire secured to the remaining terminal of said switch and a further conductive wire secured to one of the conductive wires operatively connected to the other two coils and constituting the low heat circuit.

2,627,019 REMOVABLY ATTACHABLE LAMP MOUNTING

Edwin C. Weiskopf, New York, N. Y., assignor to Scopicon, Inc., New York, N. Y., a corporation of New York
Application November 27, 1948, Serial No. 62,403
3 Claims. (Cl. 240-37)



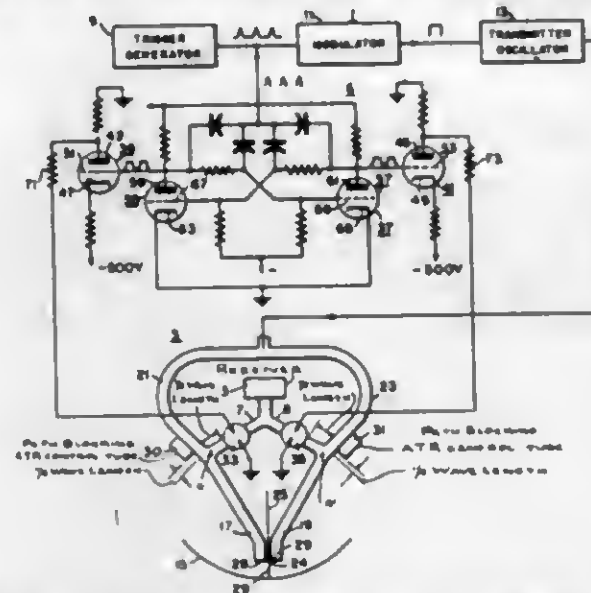
1. A lamp mounting adapted to be releasably secured to a support which is provided with a pair of laterally spaced rods, said mounting comprising a plate provided with a lamp socket, laterally spaced flanges on said plate disposed at opposite sides, respectively, of said socket and provided with aligned recesses to receive said rods when the mounting is assembled therewith, and resilient members disposed on said plate at opposite sides, respectively, of said socket in the space between said flanges and positioned to engage said rods, respectively, for releasably securing said plate thereto.

2,627,020 TWO-FEED "X" BAND ANTENNA

William S. Parnell and John W. Taylor, Jr., Baltimore, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 28, 1949, Serial No. 95,954
4 Claims. (Cl. 250-13)

1. A radio impulse system, comprising a transmitter, a receiver, a concave reflector having a

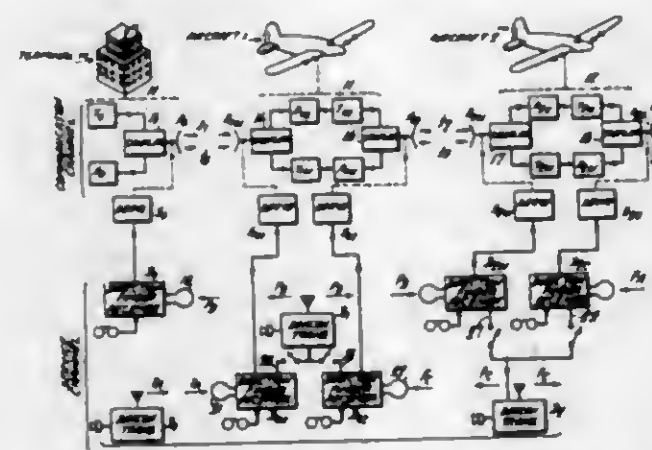
focal point, a pair of antenna elements substantially equally spaced from said focal point, each of said antenna elements comprising a wave guide having an aperture facing said reflector, a first wave guide section connecting said transmitter to one of said antenna elements, a second wave



guide section connecting said transmitter to the other of said antenna elements, a third wave guide section connecting said receiver to said first wave guide section, and a fourth wave guide section connecting said receiver to said second wave guide section.

2,627,021 AIRBORNE TRANSOCEANIC RADIO RELAY SYSTEM

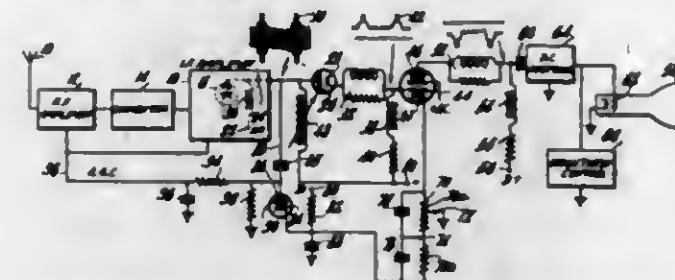
Clarence W. Hansell, Port Jefferson, N. Y., and Donald S. Bond, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 7, 1949, Serial No. 103,342
12 Claims. (Cl. 250-15)



11. Radio relay apparatus and antenna directional control apparatus therefor, said relay and control apparatus to be carried by an aircraft to function as one relay station of a chain of relay stations, said radio relay apparatus comprising a radio receiver and a directional receiving antenna therefor and further comprising a radio transmitter and a directional transmitting antenna therefor, said control apparatus comprising a radio beacon transmitter and an antenna therefor for radiating a radio wave therefrom, said control apparatus further comprising an automatic direction finder and means coupling said finder to said directive receiving antenna to control its direction and further comprising a second automatic direction finder and means coupling said second finder to said directive transmitting antenna to control its direction.

2,627,022 COMBINED VIDEO GAIN AND FREQUENCY RESPONSE CONTROL

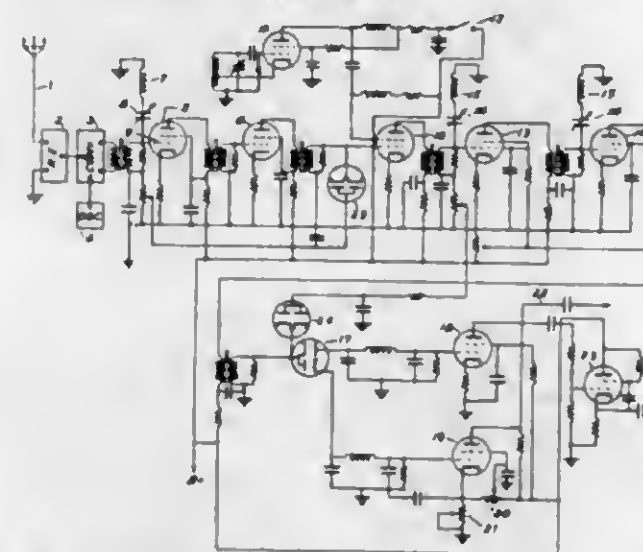
Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 22, 1948, Serial No. 34,373
6 Claims. (Cl. 250-20)



1. An electrical circuit for application in super-heterodyne television receivers, said circuit comprising a first diode connected for second detector operation, a second diode connected to said detector for variable threshold automatic gain control voltage rectification, a tube having a control grid and a cathode connected for operation as a first video amplifier stage, a direct current circuit path from said first diode to said control grid, a potentiometer, a load circuit for said second diode connected for developing a variable A. G. C. voltage including a section of said potentiometer connected between said tube cathode and said second diode, and an electrical connection connecting the adjustable tap of said potentiometer with ground potential to define said section.

2,627,023 NOISE REDUCING RADIO RECEIVER

Irving H. Page, Silver Spring, Md.
Application September 12, 1942, Serial No. 458,148
3 Claims. (Cl. 250-20)
(Granted under Title 35, U. S. Code (1952), sec. 266)

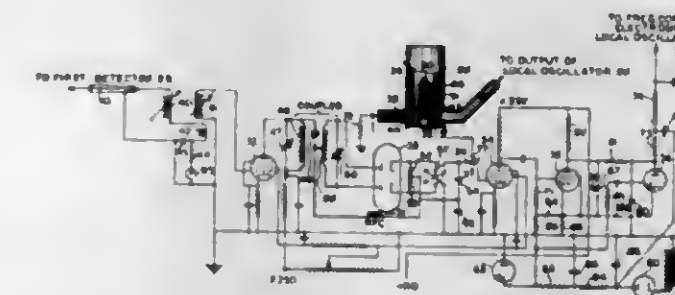


1. A receiver for deriving desired modulation components of a received pulse-modulated carrier-frequency wave signal but subject to receive concurrently therewith an interfering wave signal of different frequency than the carrier frequency of said pulse-modulated signal comprising, a first signal-translating means including selector circuits having a selective characteristic of such range to include both of said received signals, heterodyne detecting means included in said first signal-translating means effective in the presence of said interfering signal with high intensity to derive from said received signals a heterodyne-component pulse-modulated signal having modulation components corresponding to said desired components, a local oscillator cou-

pled to said heterodyne detecting means tuned to generate a signal of substantially the same frequency as the interfering signal wave, manually operable means for rendering said oscillator operative whereby said oscillator may be actuated during the absence of an interfering signal wave to derive from the pulse modulated carrier wave a heterodyne-component pulse modulated signal having modulation components corresponding to said desired components, a second signal-translating means coupled to said detecting means and including selector circuits for translating said heterodyne-component pulse-modulated signal, rectifying means included in said second signal-translating means effective to derive said desired modulation components from said heterodyne-component pulse-modulated signal, and means coupled to said second signal-translating means including a low-pass filter for supplying substantially only said desired modulation components to a utilizing device.

2,627,024 AUTOMATIC FREQUENCY CONTROL

Persa R. Bell, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 21, 1944, Serial No. 532,154
12 Claims. (Cl. 250-20)

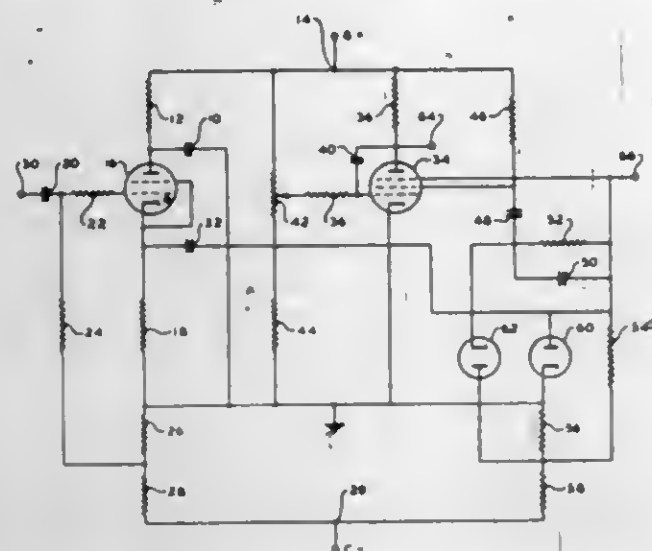


1. In an apparatus for automatic control of the tuning of a radio receiver having a local oscillator adapted to be controlled in frequency by variations in a control voltage and having a control circuit adapted to produce saw-tooth variations in such voltage when said control circuit is not excited and adapted to produce suitable control variations of said voltage when said control circuit is excited, the combination which includes means for superimposing recurrent pulses upon said control variations of voltage, a frequency-sensitive circuit fed with energy by said local oscillator, a detector fed with oscillatory energy by said frequency-sensitive circuit, said frequency-sensitive circuit having a frequency response characteristic so related to the average frequency and the frequency variation characteristics of said local oscillator that a change in local oscillator frequency in the direction corresponding to the more gradual component of said saw-tooth variations will result in increased amplitude of recurrent pulse components in the output of said detector and so that a change in local oscillator frequency in a direction opposite to said direction will result in decreased amplitude of said recurrent pulse components, and means for coupling said recurrent pulse components of said detector to said control circuit adapted to excite said control circuit when the amplitude of said components exceeds a predetermined amplitude.

2,627,025

SWEEP GENERATOR

Gray C. Trembly, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 18, 1946, Serial No. 662,981
9 Claims. (Cl. 250-27)

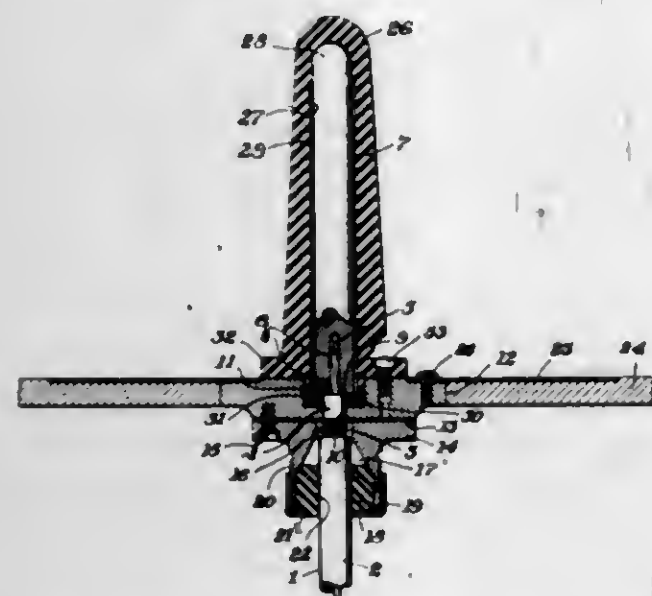


1. In a transitron type sweep generator including a pentode, a pulse amplifier including a gas tube, responsive to externally developed positive synchronizing pulses applied to the control grid of said gas tube, for producing positive trigger pulses at its output, and means for coupling said positive trigger pulses from said pulse amplifier to the suppressor grid of said pentode.

2,627,026

HIGH ALTITUDE ANTENNA

Armig G. Kandoian, New York, N. Y., and Robert A. Felsenfeld, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1945, Serial No. 589,901
7 Claims. (Cl. 250-33)

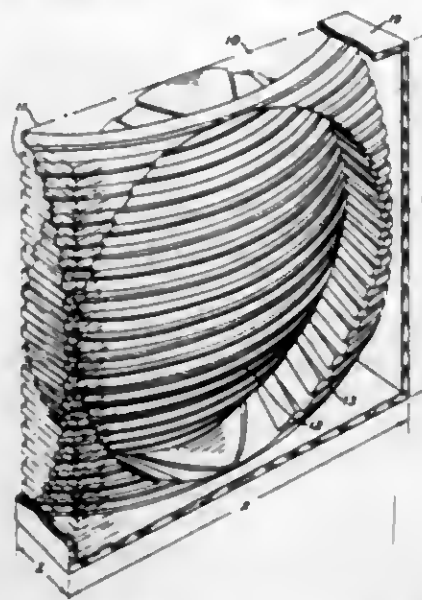


1. An electro-magnetic energy radiator structure for aircraft comprising a radiator member, a rigid housing forming a chamber about said radiator member inclosing a gaseous medium, and means for sealing said chamber to maintain substantially constant sea level pressure in said chamber regardless of changes in pressure outside said chamber.

2,627,027

NONREFLECTIVE RADIO REFRACTOR

Winston E. Kock, Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1950, Serial No. 152,462
5 Claims. (Cl. 250-33.63)

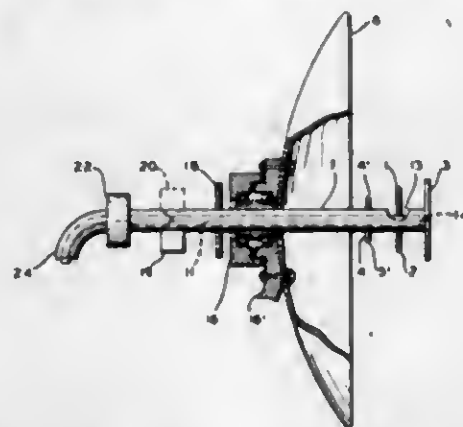


1. A metallic-delay, circularly cylindrical, plano-convex lens for refracting supershort radio waves, including frequencies within a predetermined band of superhigh frequencies, said lens having a refractive index greater than unity and a focal axis, said lens comprising an inner zone and an outer zone, each zone comprising a plurality of flat conductive strip members having longitudinal dimensions extending parallel to each other and perpendicularly to said focal axis, the width dimension of said members being smaller than one-half the minimum wavelengths in said frequency band and extending perpendicularly to said focal axis and said longitudinal dimensions, said members being arranged in a plurality of tiers extending parallel to said axis, said plurality of tiers being mounted in a like plurality of parallel contiguous dielectric slabs each slab having a thickness smaller than a mid-band wavelength, each slab being displaced from adjacent ones in the direction of the axis of said lens by substantially a quarter of the mid-band wavelength.

2,627,028

ANTENNA SYSTEM

Welville B. Nowak, New Rochelle, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application July 3, 1945, Serial No. 603,091
2 Claims. (Cl. 250-33.65)



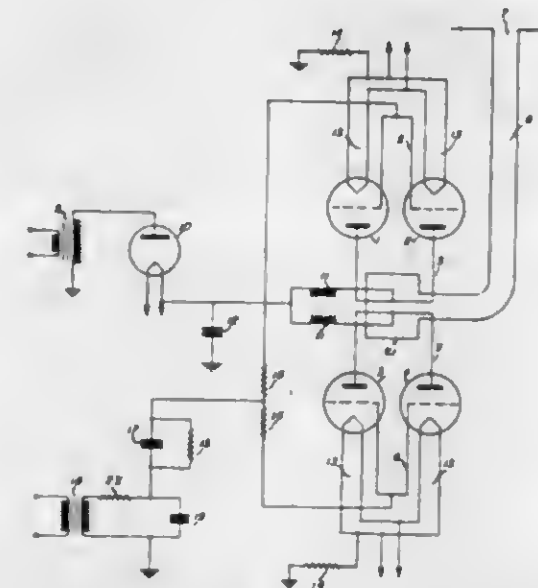
1. Apparatus for producing a narrow, directive beam of radiation and causing the axis thereof

to describe a cone comprising, a stationary parabolic reflector, a dynamically balanced spinnable antenna including a coaxial cable feed line extending through said reflector and rotatable relative thereto on the axis of said reflector, a radiating dipole having first and second elements secured to the inner and outer conductors of said feed line, respectively, and located substantially at the focus of said reflector, a circular conducting disc mounted at the extremity of said feed line in a plane perpendicular to the axis of said feed line and a director dipole having first and second elements secured to the outer conductor of said feed line rearwardly of said radiating dipole and in a plane including the axis of said feed line and said radiating dipole, the radiation pattern produced by said combination of radiating dipole, conducting disc and director dipole having an electrical asymmetry to said reflector; means for spinning said feed line, said disc and said dipoles mounted thereon about the axis of said feed line; and means including a rotatable transmission line joint for supplying electromagnetic energy to said feed line.

2,627,029

SELF-PULSING OSCILLATOR

Arthur A. Varela, Washington, D. C.
Application August 3, 1943, Serial No. 497,273
8 Claims. (Cl. 250-36)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. In a pulse transmitter, a self-pulsing oscillator including an electron discharge device having a control grid and a quenching parallel resistance-capacity combination in the grid circuit, synchronizing means comprising a transformer receiving a synchronizing voltage having its secondary in series with the resistance-capacity combination in the grid circuit, and a capacitor connected across the secondary.

2,627,030

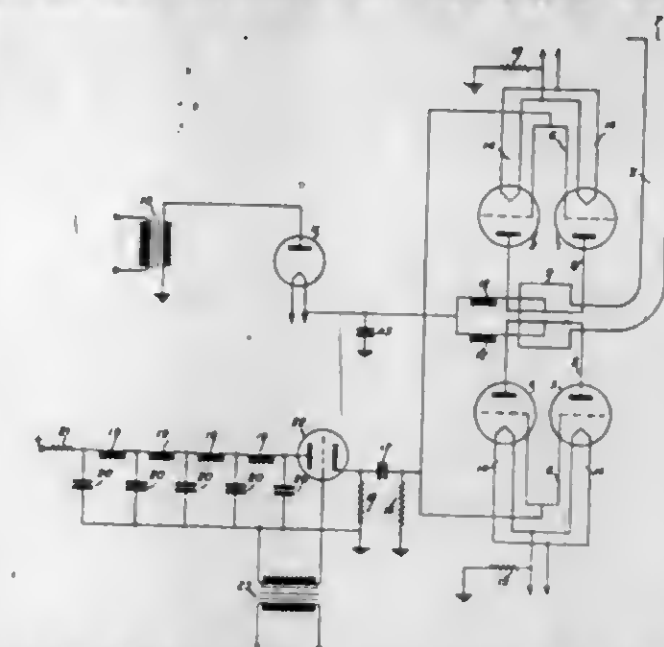
IMPULSE GENERATOR

Arthur A. Varela, Washington, D. C.
Application August 3, 1943, Serial No. 497,274
7 Claims. (Cl. 250-36)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In a high frequency oscillator, means for controlling the grid bias comprising an impedance in the grid-cathode circuit, an artificial line,

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switch means for periodically connecting the line across said impedance for discharging the same

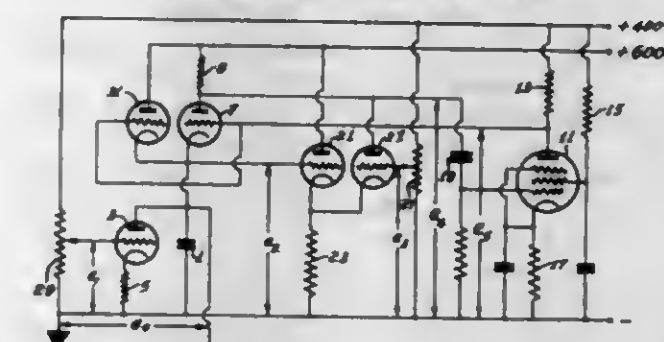


and developing a bias control voltage in the grid cathode circuit.

2,627,031

RELAXATION OSCILLATOR

James R. Moore, Washington, D. C., assignor to Radio Corporation of America, a corporation of Delaware
Application November 27, 1946, Serial No. 712,553
6 Claims. (Cl. 250-36)



3. A self-oscillatory relaxation oscillator including a capacitor and means for comparatively slowly discharging said capacitor, means comprising a charging circuit for charging said capacitor, means associated with said charging circuit for providing a predetermined lower limit voltage therefor, means responsive to the voltage across said capacitor to initiate comparatively rapid charging of said capacitor through said charging circuit when said capacitor voltage decreases to said predetermined lower limit voltage, means associated with said charging circuit for providing a predetermined upper limit voltage, and means responsive to the voltage across said capacitor to stop said charging when said capacitor voltage reaches said predetermined upper limit voltage and to initiate said discharging of said capacitor.

2,627,032

ELECTRIC WAVE GENERATOR

Gaston Pakenham de Mengel, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 19, 1947, Serial No. 755,760
In Great Britain May 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 16, 1968
8 Claims. (Cl. 250-36)

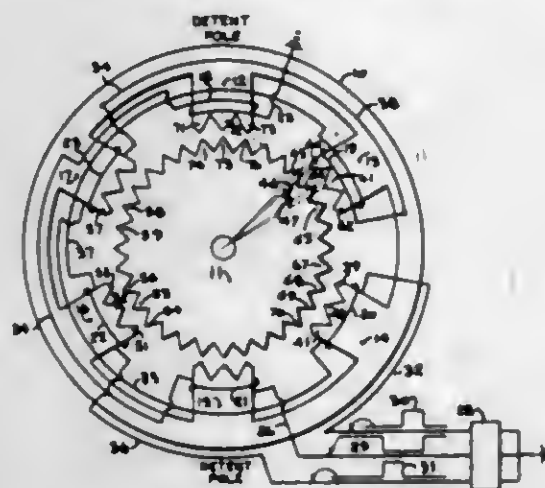
2. An electric oscillation generator comprising an electric translator including at least one

means connecting the collector circuits of said input transistors to a common output, means connecting said output to the emitter circuits in parallel of said output transistors, means connecting each of said n circuits uniquely to the collector of one of said output transistors, means connected to each of said transistors for placing the transistor to which it is connected in a non-transconducting state, a first control means for selectively placing one of said input transistors in a transconducting state and a second control means to selectively place one of said output transistors in a transconducting state whereby a transconductive path may be established from any one of said m circuits to any one of said n circuits.

2,627,040

STEPPING MOTOR

Stiegfried Hansen, Los Angeles, Calif.
Application August 1, 1950, Serial No. 177,070
4 Claims. (Cl. 310-49)

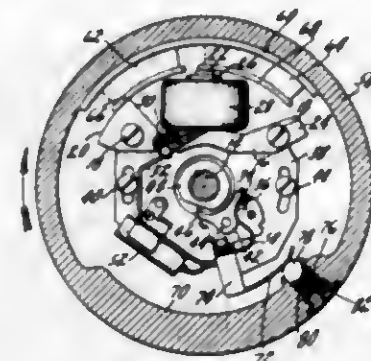


1. A stepping motor comprising: a cylindrical stator having at least first, second, and third poles spaced around the inner circumference thereof, and a field winding for each of said poles, each of said poles having at least one pole tooth on the inner end thereof; a centrally positioned field pole having a plurality of angularly spaced teeth projecting beyond the outer periphery of said field pole, the total number of teeth on said field pole corresponding to the total number of teeth on said first, second, and third poles of said stator, the teeth on said field pole being radially aligned with the corresponding teeth on the poles of said stator, respectively; and a rotor concentrically positioned between said stator and said field pole, said rotor having at least first, second, and third inner teeth on the inner surface thereof and at least first, second, and third outer teeth on the outer surface thereof, said first, second, and third inner teeth being radially aligned with said first, second, and third inner teeth of said rotor, respectively, said first outer tooth being radially aligned with the pole tooth on said first poles of said stator, said second and third outer teeth of said rotor being angularly displaced predetermined distances from the pole teeth on said second and third poles, respectively, of said stator, the alignment of said second outer tooth of said rotor with the pole tooth of said second pole of said stator, upon energization of the field winding associated with said second pole producing a clockwise rotation of said rotor, and the alignment of said third outer tooth of said rotor with the pole tooth of said stator, upon energization of the field winding associated with said third pole, producing a counter-clockwise rotation of said rotor.

2,627,041

FLYWHEEL MAGNETO HAVING SHORT CIRCUITING MEANS

Russell E. Phelon, Longmeadow, Mass.
Application April 25, 1951, Serial No. 222,900
4 Claims. (Cl. 310-74)

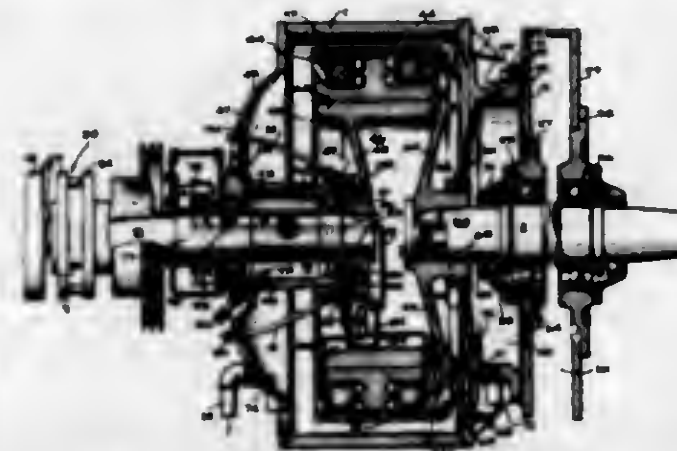


1. A flywheel magneto comprising in combination, a rotor including a flywheel and also including a field structure carried by the flywheel, a stator including a core having a plurality of circularly spaced pole faces in cooperative relationship with the field structure of the rotor and also including a primary coil and a secondary coil on the core, the said secondary coil being connectible with a sparking device, means operable during each rotation of the rotor for making and breaking a circuit through the said primary coil and normally serving upon the breaking of the said circuit to produce a spark forming voltage in the secondary coil, and a means operative at rotor speeds below a predetermined critical speed for short circuiting the said circuit making and breaking means, the said short circuiting means including a centrifugally movable element carried by the flywheel and constructed and arranged to move relatively thereto when the speed of rotor rotation equals or exceeds the said critical speed so as to cause the short circuiting means to be then inoperative.

2,627,042

TRANSMISSION HAVING POWER COUPLING DEVICE

Leroy Newcomb, Los Angeles, Calif., and Albert A. Ashton, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application March 30, 1951, Serial No. 218,324
11 Claims. (Cl. 310-101)



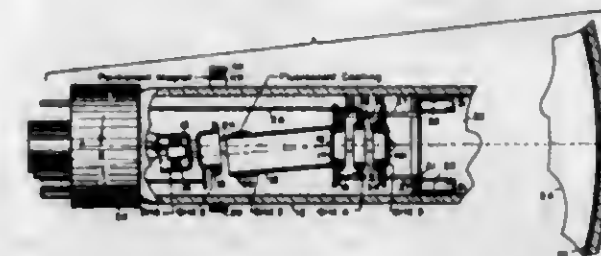
1. In a transmission and driving arrangement for use with a transmission housing having a side wall, a bearing supported by said side wall and a transmission shaft projecting from the interior of said housing through said side wall and said bearing to the exterior of said housing: a mounting member adapted to be secured to the outer face of said side wall, said mounting member having

therein an opening for reception of the projecting end of said shaft and a recess confronting said side wall and being disposed in surrounding relation to said bearing; a circumscribing wall connected to and supported by said mounting member and projecting outwardly therefrom so as to define the outer limits of a chamber around the end of said shaft; an end wall for said chamber connected to and supported by said circumscribing wall, said end wall having a bearing support arranged axially of said first named bearing; bearing means in said support; a shaft element carried by said bearing means with the inner end thereof projecting into said chamber; coupling means on the outer end of said shaft element for connection to a power source; a power transmitting coupling in said chamber having first and second parts arranged so that one of said parts will transmit driving torque to the other, one of said parts being connected to the inner end of said shaft element and the other of said parts being connected to the end of said transmission shaft which projects into said chamber; a nozzle positioned so as to direct a fluid into one of said parts of said power transmitting coupling; and means for removal of fluid from said chamber.

2,627,043

IMAGE-REPRODUCING DEVICE

Jerome J. O'Callaghan, Skokie, Ill., assignor to The Rauland Corporation, a corporation of Illinois
Application July 3, 1951, Serial No. 235,045
3 Claims. (Cl. 313-82)



1. An electrostatically focused image-reproducing device of the cathode-ray type comprising: an evacuated envelope having a neck portion and enclosing a target portion; an electron gun housed in said neck portion of said envelope for projecting an electron beam toward said target portion and including a cathode, a control electrode, and first and second accelerating electrodes; an electrostatic focusing system including a lens electrode and an additional electrode; a centrally apertured conductive disc disposed in said neck portion between said focusing system and said target portion; a conductive coating on the inner wall of said envelope extending from the direction of said target portion into said neck portion substantially only to the plane of said conductive disc; means establishing an electrical contact between said conductive disc and said conductive coating; and an electrical connection within said envelope between said additional electrode and said conductive disc.

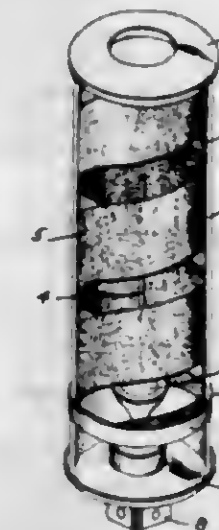
2,627,044

CATHODE FOR PHOTOCELLS

John J. Benes, Jr., Geneva, Ill., assignor to Continental Electric Company, Geneva, Ill., a corporation of Delaware
Application June 23, 1948, Serial No. 34,600
8 Claims. (Cl. 313-102)

1. A cathode for a photo-sensitive-cell having an envelope, comprising a layer of silver in the

form of a continuous helix deposited on said en-



velope and a layer of light-sensitive material coated on the silver layer to form said cathode.

2,627,045

ELECTRON DISCHARGE GLOW CONTROL ELECTRODE

George Hubert Hough and Leslie Charles Baker, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 29, 1949, Serial No. 90,316
In Great Britain May 3, 1948
6 Claims. (Cl. 313-188)



1. A cold cathode electric discharge device comprising a gas-filled envelope, an anode, cathode electrode means having a first portion defining a discharge gap with said anode and having a second portion adjacent said first portion, discharge field control means surrounding said cathode means and spaced in a first direction from the first portion of said cathode means a distance greater than the mean free path of an electron in the gas; said field control means spaced in a second direction from said second portion of said cathode means a distance less than the cathode dark space, whereby cathode glow is restricted substantially to the area between said field control means and the first portion of said cathode means when discharge currents of less than a given value in the region of abnormal discharge conditions are passed through said gap.

2,627,046

ELECTRIC DISCHARGE DEVICE

Eugene Lemmers, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application June 5, 1946, Serial No. 674,444
8 Claims. (Cl. 313-234)

1. In an electric discharge device of the type employing an ionizable medium, the combination comprising a vitreous envelope, a plurality of electrodes therein, and a starting strip on the sur-

face of said envelope comprising a porous composition fritted to the said envelope and containing a bonding agent of lead borate having a fusion temperature below that of the vitreous envelope and admixed with particles of a solid insulating filler material which has a fusion point materially above that of the vitreous envelope whereby it retains its porous structure at temperatures above



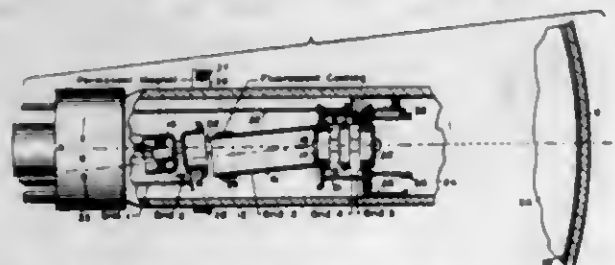
the fusion temperature of the vitreous envelope, and metallic particles evenly distributed throughout the said porous composition and in physical contact giving electrical conductivity to said starting strip.

2,627,047

CATHODE-RAY TUBE ELECTRODE

Harry H. Boeing, Lake Zurich, Ill., assignor to The Rauland Corporation, a corporation of Illinois

Application July 6, 1951, Serial No. 235,448
3 Claims. (Cl. 313-285)



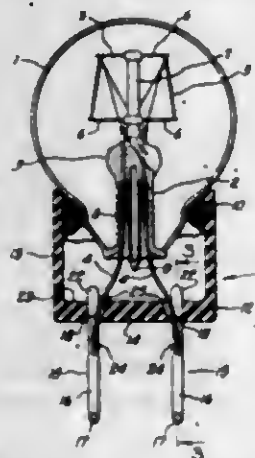
1. In a unipotential electrostatic focusing lens system for a cathode-ray tube, an electrode comprising: a ring member having a cylindrical central portion rounded at each end; and a pair of opposed semicircular wire members peripherally clamping said ring member and having joined outwardly extending end portions constituting support tabs for said electrode.

2,627,048

ELECTRIC TERMINAL CONNECTOR

Fredrick S. Lamb, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application January 3, 1950, Serial No. 136,549
2 Claims. (Cl. 313-318)



1. An electric lamp comprising a bulb, a light source in said bulb, a pair of lead-in wires electrically connected to said light source and sealed through the wall of said bulb, and a base secured to said bulb and comprising an insulative wall

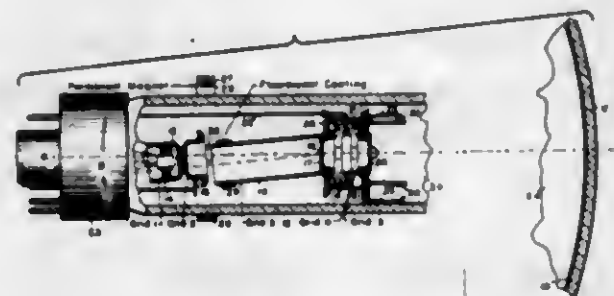
portion having a pair of slots therethrough, a pair of contact prongs electrically connected respectively to said lead-in wires and extending through and locked within respective ones of said slots and projecting outwardly from said wall portion in approximately parallel relation, said prongs each comprising a length of rigid wire having a diameter approximately corresponding to the width of its respective slot and doubled back upon itself to form two separated and approximately parallel leg portions having inner end portions offset toward but slightly spaced from each other to provide locking shoulders thereon, said offset inner end portions extending through and snugly fitting within and engaging the ends of said slot and having their innermost free end portions bent over the inner side of said wall to clamp the latter between the said bent inner ends of the prongs and the said shoulders thereon.

2,627,049

CATHODE-RAY TUBE ELECTRODE

Robert W. Shawfrank, Chicago, Ill., assignor to The Rauland Corporation, a corporation of Illinois

Application July 3, 1951, Serial No. 234,920
2 Claims. (Cl. 313-326)



1. In a unipotential electrostatic focusing lens system for a cathode-ray tube, an electrode comprising: a metal disc having an aperture; and a metal inset having a cylindrical central portion within said aperture and having an outwardly rolled rim at each end overlapping and terminally abutting said disc.

2,627,050

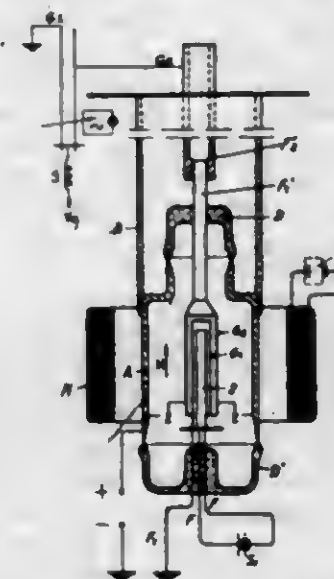
ELECTRONIC DEVICE FOR VERY HIGH FREQUENCIES

Georges Bezy, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application May 14, 1947, Serial No. 747,961
In France October 3, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 3, 1960
6 Claims. (Cl. 315-3)

1. An electronic tube comprising a rectilinear cathode formed for concentrating the electrons emitted by the cathode in several flat beams contained in radial planes, a pair of concentric electrodes comprising an external electrode surrounding an internal electrode, the latter surrounding the cathode, said electrodes consisting of cylindrical segments separated by slots parallel to said cathode to be traversed by said flat beams of electrons, means connected to said electrodes for applying to this pair of electrodes an ultra high frequency potential for modulating the electron speed, an anode concentrically surrounding said pair of electrodes and connected with an accelerating potential source, and means adjacent said tube for producing in the space

traversed by said electron beams, a unidirectional magnetic field parallel to said cathode for de-



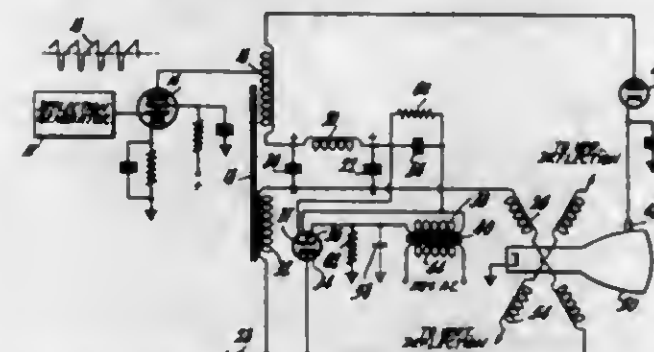
flecting said beams in the plane perpendicular to said cathode.

2,627,051

ELECTRON TUBE VOLTAGE PROTECTION CIRCUIT

Allen A. Barco, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 29, 1950, Serial No. 181,971
6 Claims. (Cl. 315-27)



1. In an electrical circuit, the combination of, a reference potential datum, a discharge tube having at least an anode, cathode and heater electrode, said tube having a predetermined maximum heater-cathode voltage rating, an output terminal at which appears a signal waveform relative to said datum having a peak voltage in excess of said heater-cathode voltage rating, a set of heater power supply terminals coupled with said heater for excitation thereof, said terminals having a predetermined circuit capacity relative to said datum whereby said heaters are given a like circuit capacity relative to said datum, a connection from said discharge tube cathode to said output terminal, and a capacitor connected from said cathode to said heater.

2,627,052

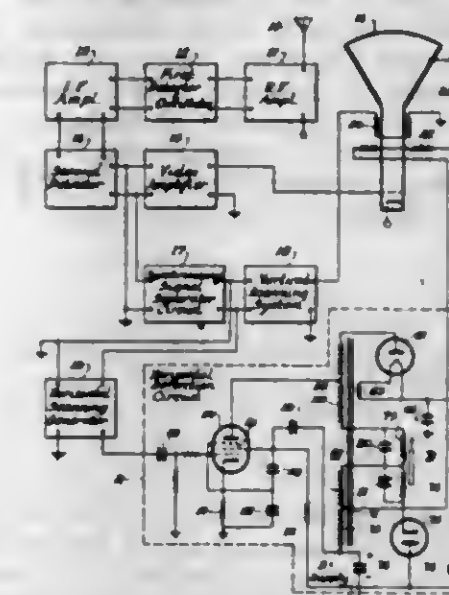
TELEVISION RECEIVER HORIZONTAL DEFLECTION CIRCUIT

Louis R. Helpert, Rochester, and Henry W. Appel, Penfield, N. Y., assignors to Stromberg-Carlson Company, a corporation of New York

Application April 18, 1951, Serial No. 221,672
5 Claims. (Cl. 315-27)

1. In a cathode ray beam deflection circuit employing an electromagnetic deflection yoke coupled to the anode-cathode circuit of a deflec-

tion output tube through an output transformer and having an efficiency diode connected in series with a boost condenser across a portion of the output transformer to develop across said condenser a voltage representative of recovered energy cyclically stored in the inductive portions of the deflection system, means for improving the



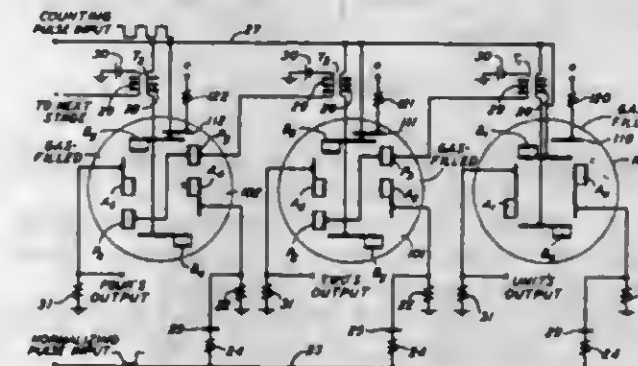
linearity and increasing the size of the saw-tooth current in the deflection yoke, comprising a condenser connected from a point on said efficiency diode circuit to a control grid of said output tube, said condenser having sufficient capacitance value to increase the potential of said control grid during the latter portion of the deflection cycle.

2,627,053

COLD CATHODE GASEOUS DISCHARGE DEVICES AND CIRCUITS THEREFOR

Mark A. Townsend, Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 1, 1951, Serial No. 254,327
29 Claims. (Cl. 315-168)



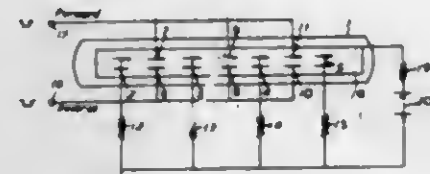
9. A circuit for binary counting comprising a plurality of gaseous discharge devices, said devices including a first device having a pair of transfer and a pair of rest cathodes alternately arranged to form a closed stepping chain and an anode associated therewith and each of the other devices having a pair of priming, a pair of transfer, and a pair of rest cathodes singly arranged in that order to form a closed stepping chain and an anode associated therewith, means for establishing a gaseous discharge within each of said devices, means for applying pulses to said transfer cathodes including a pulse input lead to which each of said cathodes is connected, means for applying pulses to the priming cathodes of one of said other devices upon the transfer of the discharge in the preceding device by one of the transfer cathodes therein, whereby the discharge

transfers in said one device upon the coincidence of pulses to the transfer and priming cathodes therein, and output means associated with one of said rest cathodes in each of said devices.

2,627,054

ELECTRIC DISCHARGE TUBE

George Hubert Hough and Desmond Sydney Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 23, 1951, Serial No. 217,236
In Great Britain March 24, 1950
2 Claims. (Cl. 315-169)

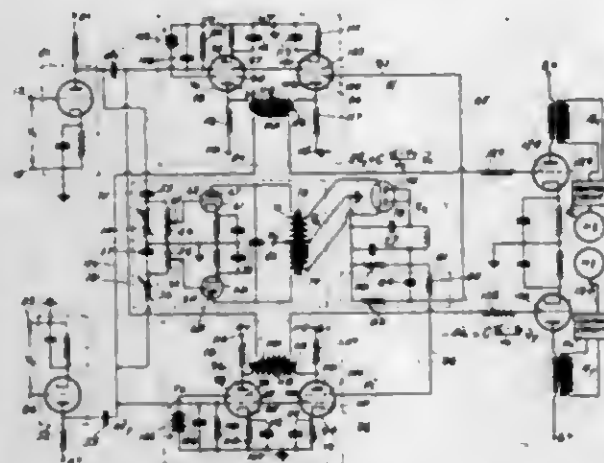


1. A cold cathode sequence discharge tube comprising first, second and third arrays of cathodes aligned in different respective rows, each cathode comprising at least two contiguous portions co-operating with an anode to form corresponding glow discharge gaps differing in maintaining voltage and saturation current, the like portions of all gaps having substantially the same discharge current voltage characteristics, each cathode of the said first array being positioned opposite a corresponding cathode of the said third array, the pair of cathodes so formed being positioned between a pair of adjacent cathodes of the said second array, this array being aligned along the middle said row, the cathodes of the two said pairs being shaped so that when a pulse is applied in common to all the cathodes of the said first array, a glow discharge which is being maintained at a cathode of the second array may be transferred to the next cathode of the said third array in one direction therealong, and that when a pulse is similarly applied to the cathodes of the said third array, the said glow discharge is transferred along the said second array in the reverse direction.

2,627,055

ELECTRONIC POSITION AND MOTION CONTROL SYSTEM

Carlo L. Calosi, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 25, 1949, Serial No. 123,521
17 Claims. (Cl. 318-19)



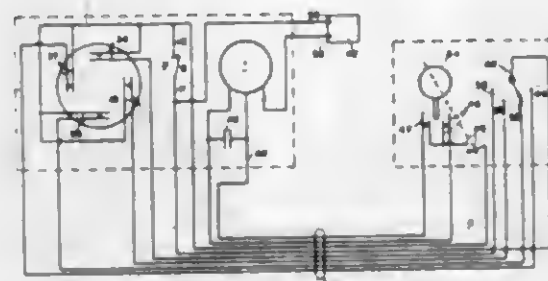
14. In duplicating equipment, apparatus for controlling a stylus in contact with a templet

comprising, in combination, means to resolve contact force on the stylus normal to the tangent to said templet into first and second voltages of like electrical phase and frequency and proportional, respectively, to first and second rectangularly disposed component forces of said normal force, means providing two voltages each proportional to one of said voltages but ninety electrical degrees apart, means deriving from said two voltages a resultant voltage proportional in magnitude to said normal force, means providing a fixed voltage representative of a desired magnitude of said normal force, means arranged to compare a voltage proportional to the product of said first voltage and said fixed voltage with a voltage proportional to the product of said first voltage and said resultant voltage and provide a third voltage proportional to the difference between the voltages compared, means arranged to compare a voltage proportional to the product of said second voltage and said fixed voltage with a voltage proportional to the product of said second voltage and said resultant voltage and provide a fourth voltage proportional to the difference between the voltages compared, and means employing said third and fourth voltages to supervise the magnitudes of said first and second component forces, respectively.

2,627,056

CONTROL DEVICE

Howard S. Gleason, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application February 29, 1952, Serial No. 274,243
19 Claims. (Cl. 318-27)



1. In a multi-function control device, the combination of a plurality of output shafts; an electric motor operable to drive any one of said output shafts in either direction; a source of power for said motor; a control circuit for said motor; a remotely disposed motor directional control switch and a remotely disposed output shaft selecting switch; said control circuit being arranged to connect said motor to said source of power and to cause said motor to rotate any one of said output shafts in either direction, the particular output shaft and the direction of its rotation being dependent upon the setting of said motor directional switch and said output shaft selecting switch.

2,627,057

RANGE FOLLOW-UP

Job Robert Rogers, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 2, 1945, Serial No. 608,594
7 Claims. (Cl. 318-28)

1. A servo follow-up system comprising, first and second amplifiers, each of said amplifiers comprising a tube having at least an anode, a control grid and a cathode, means for applying

an input voltage to the grid-cathode circuit of said first amplifier, a potentiometer, a potential supply source coupled to the input of said potentiometer, means for applying the output of said potentiometer to the grid-cathode circuit of said second amplifier, a thyatron motor-direct-

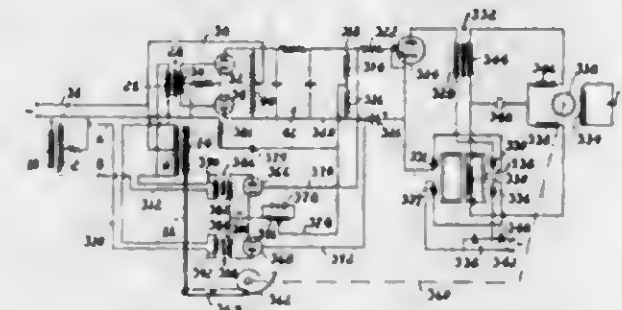


tion control circuit controlled by the differential output of said amplifiers and having relatively large cathode feedback for speed control under varying motor load, and a motor controlled by the output of said thyatron control circuit for adjusting the output of said potentiometer.

2,627,058

CONTROL OR METERING SYSTEM

Joseph Razek, Llanerch, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States
Application April 15, 1947, Serial No. 741,540
9 Claims. (Cl. 318-28)



1. In combination, a gas-filled relay tube having a cathode, an anode and a control grid, a reversible motor having a pair of reversing field coils in respective circuits, means for applying a potential continuously to each of said field coil circuits, a transformer having its primary in the circuit of one of said field coils and its secondary in the anode-cathode circuit of said tube, a saturable reactor having a winding in the circuit of the other of said field coils, having a saturating winding, and having a third winding opposing the last mentioned winding and in the anode-cathode circuit of said tube, and means for supplying a saturating current to the second mentioned winding of said reactor, said elements being so constructed and arranged that when said tube fires the primary impedance of said transformer is low to permit selective major energization of the first of said field coils and current flows through the third winding of said reactor to provide a high impedance of the first winding thereof, and when said tube is not firing the primary impedance of said transformer is high and the impedance of the first winding of said reactor is low to permit selective major energization of the second of said field coils.

2,627,059

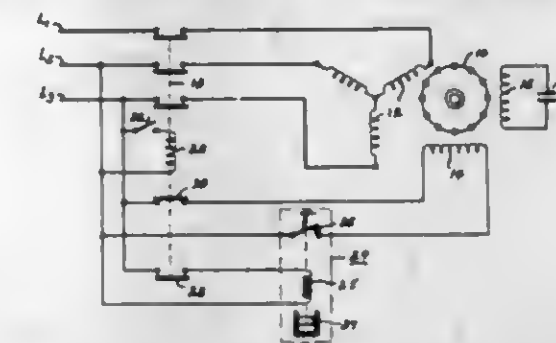
MOTOR CONTROL

Samuel Noodelman, Dayton, Ohio, assignor to Louis R. Mahrt and D. Robert Laughter, as trustees for Standard Dayton Corporation, Dayton, Ohio, a corporation of Ohio
Application June 14, 1950, Serial No. 167,943
16 Claims. (Cl. 318-211)

1. In a motor, a stator, a rotor, said stator having a main winding arranged to establish

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a given number of magnetic poles, said stator having an auxiliary two phase brake winding arranged to establish a number of poles in excess of said given number, means for shorting one phase of said brake winding, first switch means

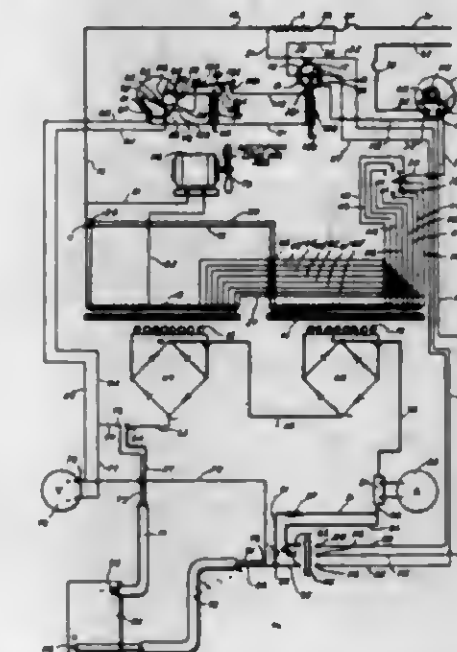


for controlling the energization of said main winding, second switch means for controlling the energization of the second phase of said auxiliary brake winding, and means for opening said first switch means and for closing said second switch means for braking the motor.

2,627,060

CONTROLLING MEANS FOR BATTERY CHARGERS

Charles B. Berg, Kansas City, Mo.
Application December 23, 1947, Serial No. 793,421
4 Claims. (Cl. 320-23)

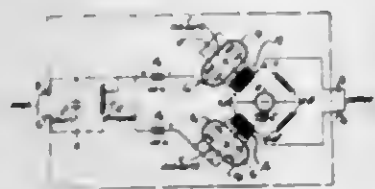


1. The combination with apparatus for charging a storage battery at either a high rate or a low rate, of controlling means therefor terminating charging at said high rate and initiating charging at said low rate, comprising switching means having alternative positions one of which establishes a high rate charging circuit and the other of which establishes a low rate charging circuit, a winding for moving said switching means to said other position upon being energized, a voltmeter having a movable member responsive to the storage battery voltage, an actuating circuit for said switching means including a contact movable with said movable member, a stationary contact engaged thereby to close said actuating circuit upon said storage battery reaching a predetermined voltage, and a high resistance locking relay actuated and locked upon the closing of said actuating circuit, and switching means closed upon actuation of said relay to establish a circuit energizing said winding.

2,627,061

POWER CONTROL BRIDGE

Joseph Radigan, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application November 13, 1951, Serial No. 255,977
8 Claims. (Cl. 323—75)

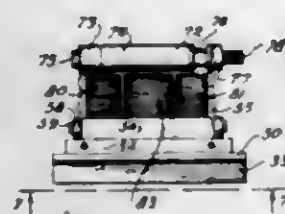


1. Means for the control of A. C. power by a D. C. signal, comprising two transformers each having a single secondary and double primaries, a bridge circuit having the two primaries of one of said transformers as two opposite arms thereof and the two primaries of the other of said transformers as the remaining two opposite arms thereof, a source of A. C. supply connected across the centers of said bridge, output connections for a load to be controllably supplied connected across the ends of said bridge, a separate variable impedance connected to each transformer secondary, two input connections adapted to be connected to said D. C. signal, and impedance control means connected between said input connections and each of said variable impedances, said impedance control means being adapted to produce relative decrease of one of said variable impedances with respect to the other in proportion to a change of said D. C. signal in the positive direction, and to produce relative decrease of said other variable impedance with respect to the first in proportion to a D. C. signal change in the negative direction, whereby said bridge is unbalanced in either of two directions to produce a proportional change in magnitude and/or phase of alternating current flowing through said load.

2,627,062

MEASURING DEVICE

Erwin W. Graham, Parma Heights, Ohio, assignor, by mesne assignments, to Cleveland Instrument Company, a corporation of Ohio
Application November 12, 1947, Serial No. 785,315
10 Claims. (Cl. 336—132)

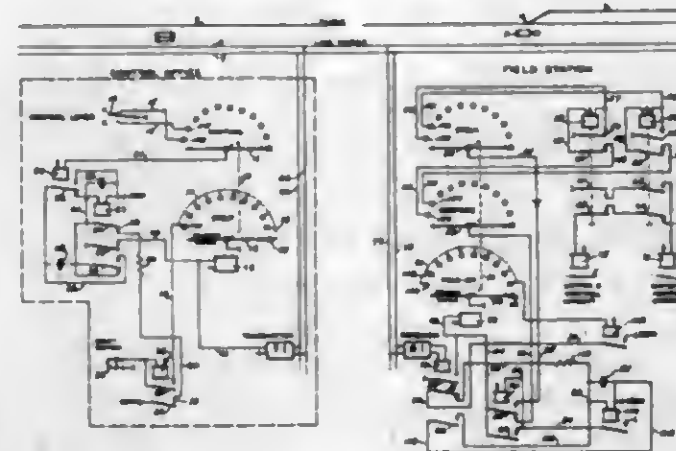


1. In a transducer mechanism comprising a supporting block, an indicating finger, an iron pole piece associated therewith and mounted for movement along an axis, the improvement which comprises resilient triangular flat leaf springs with their triangular base portions secured to said block and at their apexes secured to said pole piece, each of said springs being provided with an upstanding rib to be relatively stiff through their midportions and with slots adjacent said block and said pole piece to weaken them against bending at these points to cause bending of said springs at controlled points adjacent the block and pole piece respectively consequent upon movement of said pole piece.

2,627,063

CARRIER FREQUENCY STEPPING SYSTEM FOR REMOTE CONTROL

Harry W. Richards, Clearfield, Pa., assignor, by mesne assignments, to Electronic Switch and Signal Company, Cleveland, Ohio, a corporation of Ohio
Application December 2, 1947, Serial No. 789,216
10 Claims. (Cl. 340—163)

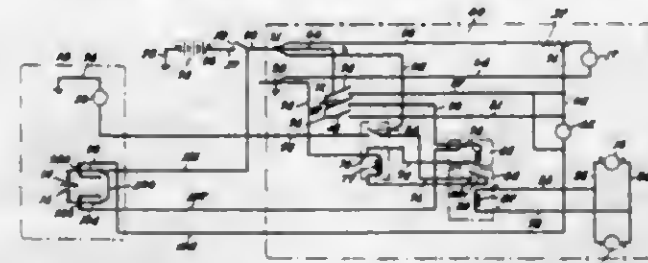


1. A system for remote control comprising a transmitting station, a receiving station and means establishing a communication channel therebetween, a transmitter at the transmitting station adapted upon each manual energization thereof to transmit a characteristic electrical signal occurring as a predetermined number only of successive pulses, a receiver at the receiving station tuned to said transmitted signal, a counting device connected with said receiver so as to move stepwise synchronously with the pulses in said transmitted signal and adapted to move through a complete cycle of its operation during the occurrence of said predetermined number of pulses, means at the transmitting station for varying the character of selected pulses, means at said receiver to step-wise advance said counting device as aforesaid upon the reception of said transmitted signal, a plurality of modifiable devices, each having at least two condition states, respectively associated with different points on said counting device, first means responsive to the reception of said successive pulses for operating to one condition the modifiable device associated with the corresponding point of said counting device, and second means responsive to the reception of a pulse of the varied character for operating said modifiable device to another condition and for rendering ineffective the operation of said first means upon said modifiable device.

2,627,064

SMOKE DETECTOR TESTING MEANS

Frank B. Allen, Towaco, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application July 15, 1950, Serial No. 174,037
6 Claims. (Cl. 340—237)



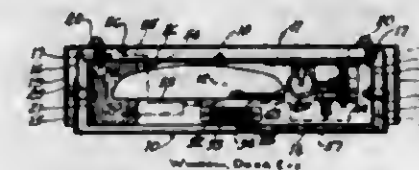
1. A smoke detector including means responsive to light reflected from smoke and means to

test the entire operation of the smoke detector comprising switch means, electric circuit means, and a test lamp connected through the switch to the electric circuit, the test lamp positioned to transmit light to the responsive means whereby the switch may be actuated to simulate the condition wherein light is reflected from smoke to test the operation of the smoke detector.

2,627,065

BURGLAR ALARM BOX

Frank E. Poulson, Chicago, Ill., assignor to Certified Burglar Alarm Systems, Incorporated, Chicago, Ill., a corporation of Illinois
Application December 28, 1949, Serial No. 135,413
9 Claims. (Cl. 340—276)

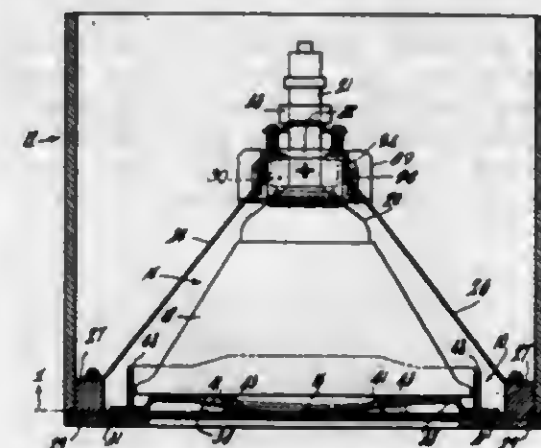


4. In apparatus of the class described, a burglar-alarm box comprising a shallow metal base member, an inner metal frame fitting within the base member in spaced relation therefrom, insulating supports for said frame from said base member, a removable plate peripherally secured to said frame, an alarm bell and an operating magnet therefor mounted on the lower side of said plate, and an outer enclosing cover member for the box fitting over the base and frame members and in spaced relation thereto, said cover member being insulatingly secured to said base member.

2,627,066

POSITIONING STRUCTURE FOR CATHODE-RAY TUBES

George H. Blaker, Moorestown, and Elmer B. Cain, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 20, 1950, Serial No. 163,300
5 Claims. (Cl. 340—367)



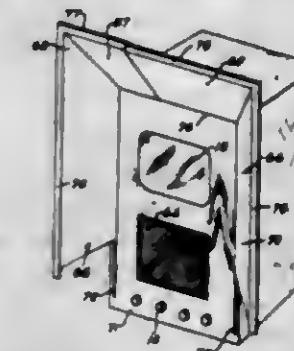
1. A cathode ray tube appliance comprising a cabinet for housing a cathode ray tube of the type having a flaring conductive conical part with a conductive rim and a neck, said cabinet having a front wall and a top, a bracket having means to support the neck of a cathode ray tube positioned in said cabinet, an insulating mask having a cylindrical collar for supporting the rim of the tube, and grooves in said cylindrical collar to receive conductive spacing springs, each spacing spring comprising an enlarged portion to be slidably engaged in one of said grooves, a

bowed portion to resiliently press against the rim and an end portion to lie against said cylindrical support.

2,627,067

TELEVISION RECEIVER CABINET LIGHT SHIELD

Joseph K. Rose, Chicago, Ill.
Application February 11, 1947, Serial No. 727,792
3 Claims. (Cl. 340—369)

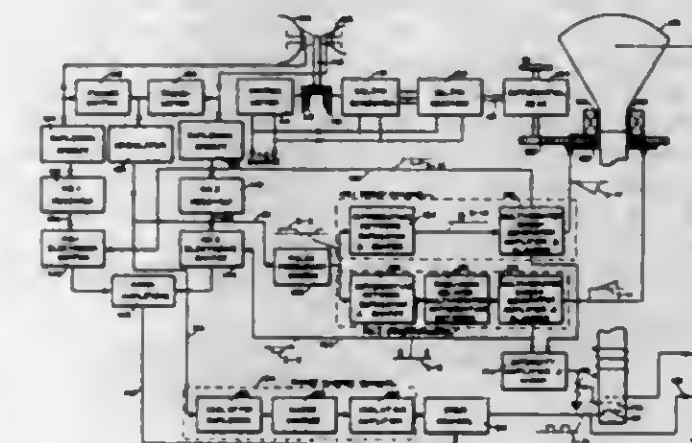


2. In a cabinet containing an image exhibiting member, a light shield composed of a plurality of members slidably mounted in said cabinet, one of said light shield members overlapping one of said other light shield members, said light shield members being slidable between a position forwardly of said image exhibiting member, in which said light shield members shield said image exhibiting member from extraneous light, and a retracted position, said overlapping light shield member moving laterally relative to said overlapped light shield member to increase the extent of said overlapping as said light shield members are moved towards the retracted position.

2,627,068

RADIO SYSTEM

William A. Huber, Neptune, N. J.
Application July 6, 1944, Serial No. 543,745
18 Claims. (Cl. 343—11)
(Granted under Title 35, U. S. Code (1952), sec. 266)

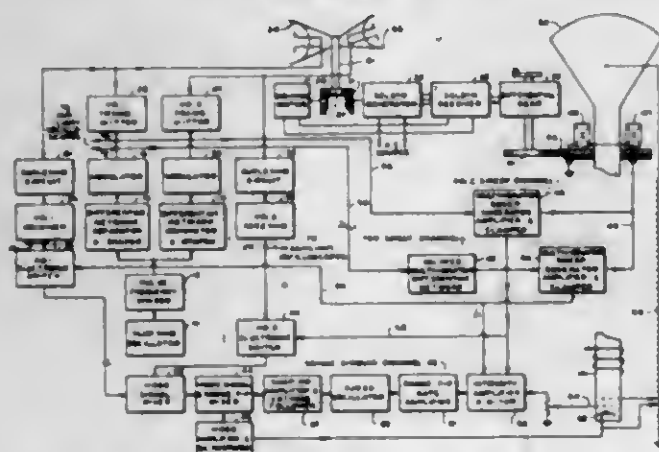


10. A radio object-locating system including a modulator; first and second transmitters simultaneously keyed by said modulator; an antenna system rotatable in azimuth and having a radiation pattern covering a given elevation angle, said antenna system including a first directional antenna having a principal lobe which covers only a first portion of said given elevation angle and a second directional antenna having a principal lobe which covers substantially only the remaining portion of said elevation angle, said lobes being spaced in azimuth by a predetermined angle; first and second receivers connected respectively to said first and second antennas; a cathode ray tube indicator having a screen; and control means cou-

pling said antenna system and said first and second receivers to said indicator for presenting during spaced intervals a first composite display of the range and azimuth of signals received by said first antenna on said screen, and for presenting during intervals intermediate said spaced intervals a second composite display of the range and azimuth of signals received by said second antenna on said screen, said control means including means for alternately blocking said receivers and for simultaneously shifting the azimuth indications of the respective displays by an amount representative of said predetermined angle.

2,627,069

DUAL SCANNING ANTENNA RADAR SYSTEM
William A. Huber, Neptune, and Nicholas T. Volsk, Spring Lake, N. J., assignors to The United States of America as represented by the Secretary of War
Application January 6, 1945, Serial No. 571,642
12 Claims. (Cl. 343—11)
(Granted under Title 35, U. S. Code (1952), sec. 266)

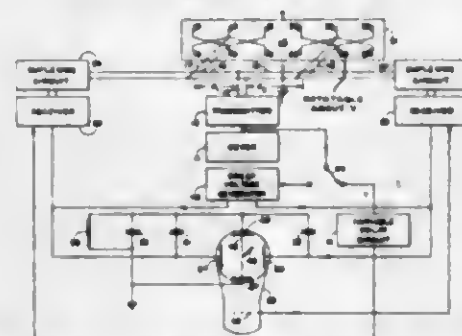


1. In a radar system provided with a bi-radial oscilloscope having a cathode-ray beam and a screen, said oscilloscope being connected to first and second transmitter-receiver combinations, said transmitters periodically transmitting exploratory pulses and said receivers receiving echoes of said pulses, the system of timing the oscilloscope circuits which includes means for generating a first keying pulse; means for keying said first transmitter by means of said first keying pulse; means for timing the generation of a first rectangular wave by means of said first keying pulse; means for generating a first sweep wave for said oscilloscope in synchronism and in phase with said first rectangular wave; means for generating a second keying pulse lagging said

first pulse; means for keying said second transmitter by means of said second keying pulse; means for timing the generation of a second rectangular wave by means of said second keying pulse; means for generating a second sweep wave in synchronism and in phase with said second rectangular wave, and synchronizing the reproduction on the screen of said oscilloscope of the echoes received by said first and second receivers by unblocking said first receiver by means of said first rectangular wave, and by unblocking said second receiver by means of said second rectangular wave.

2,627,070

RADIO ECHO APPARATUS
Robert M. Page, Washington, D. C.
Application November 13, 1945, Serial No. 628,336
7 Claims. (Cl. 343—11)
(Granted under Title 35, U. S. Code (1952), sec. 266)



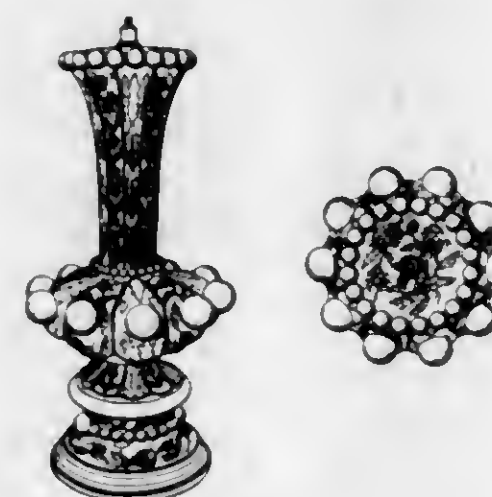
7. Radio echo apparatus comprising a directional antenna response to echo signals, a pair of receiving channels having substantially equal gain, phasing means interposed between the antenna and each of the receiving channels for deriving intersecting directional patterns at the respective receiving channels whereby a reference direction will be defined by the intersection of the response patterns, a cathode-ray tube indicator having at least a pair of space quadrature related deflecting means, means coupling the differential echo signal output of said receiving means to one of the deflecting means of the cathode-ray tube, means for coupling the combined echo signal output of the receiving channels to the other deflecting means of the cathode-ray tube, a transmitter for generating periodic radio frequency impulses, a sweep generator synchronized with said transmitter for deflecting the beam along a time base to indicate object range, and phasing means interposed between the transmitter and the antenna for concentrating the transmitted energy in the reference direction.

DESIGNS

JANUARY 27, 1953

168,667

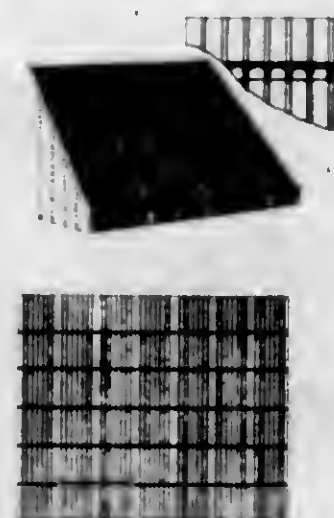
BASE FOR TABLE LAMPS
Leon A. Arditti, New York, N. Y.
Application June 7, 1952, Serial No. 20,084
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a base for table lamps, substantially as shown.

168,668

AWNING OR SIMILAR ARTICLE
Clarence J. Berini, Farmington, Mich., assignor of fifty per cent to Willis B. Anderson, Detroit, Mich.
Application May 9, 1949, Serial No. 2,534
Term of patent 14 years
(Cl. D21—6)



The ornamental design for an awning or similar article, substantially as shown and described.

168,669

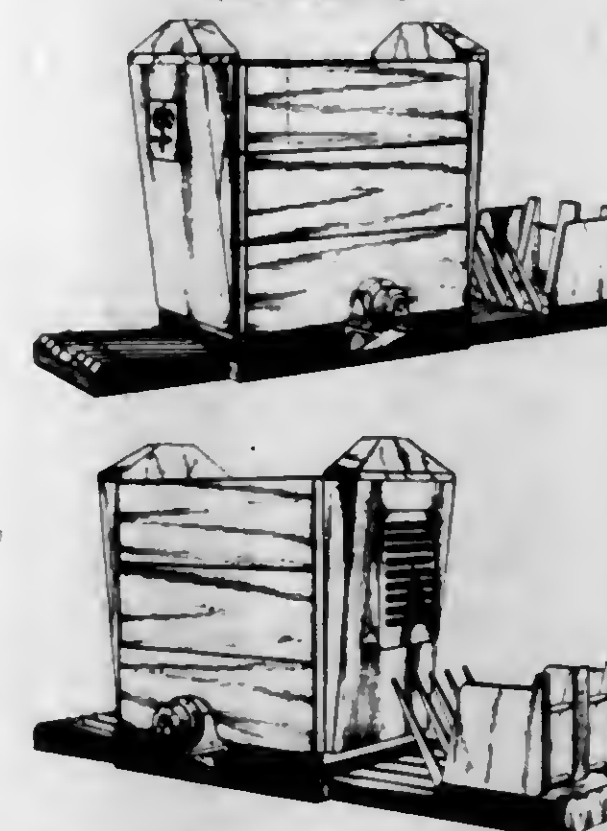
AWNING OR SIMILAR ARTICLE
Clarence J. Berini, Farmington, Mich., assignor of fifty per cent to Willis B. Anderson, Detroit, Mich.
Application May 9, 1949, Serial No. 2,535
Term of patent 14 years
(Cl. D21—6)



The ornamental design for an awning or similar article, substantially as shown and described.

168,670

STOCK DRYING OVEN FOR COATED SHEETS OR THE LIKE
James A. Black, Grand Rapids, Mich.
Application November 9, 1951, Serial No. 17,338
Term of patent 14 years
(Cl. D81—1)



The ornamental design for a stock drying oven for coated sheets or the like, substantially as shown and described.

168,671

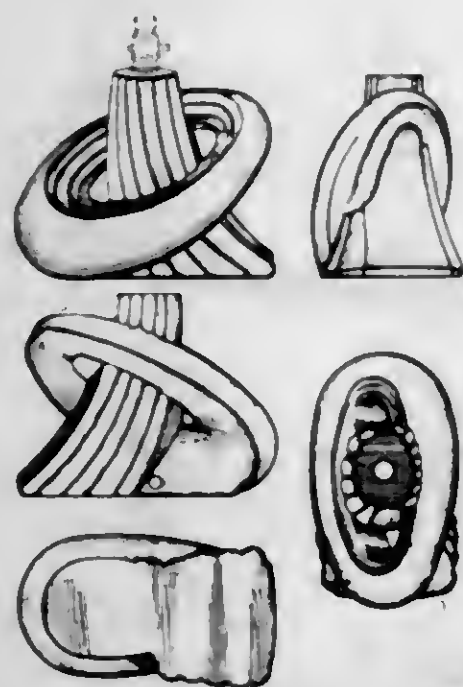
PLASTIC SHEET MATERIAL OR THE LIKE
John Bolten, Sr., Andover, Mass., assignor to Bolta Products Sales, Inc., Andover, Mass., a corporation of Massachusetts
Application January 17, 1952, Serial No. 18,104
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a plastic sheet material or the like, substantially as shown and described.

168,672

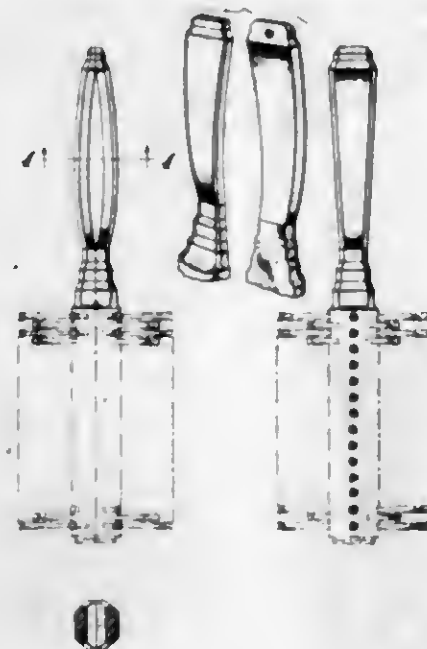
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,009
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for an electric lamp base, substantially as shown and described.

168,673

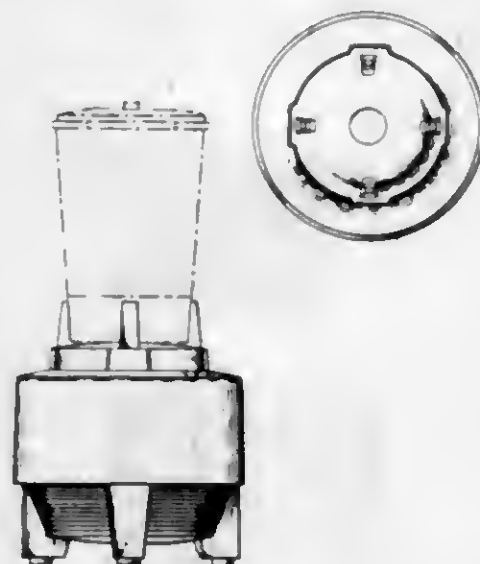
HAIRBRUSH OR THE LIKE
Leslie A. Carpenter, Palmer, Mass., assignor to Better Brushes, Incorporated, Palmer, Mass., a corporation of Massachusetts
Application March 24, 1951, Serial No. 14,611
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a hair brush or the like, as shown and described.

168,674

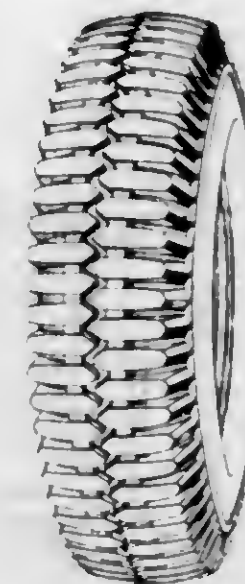
COMBINATION FOOD AND BEVERAGE BLENDER
Francesco Collura, New York, N. Y., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn., a corporation of Connecticut
Application January 4, 1952, Serial No. 17,943
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a combination food and beverage blender, as shown and described.

168,675
TIRE

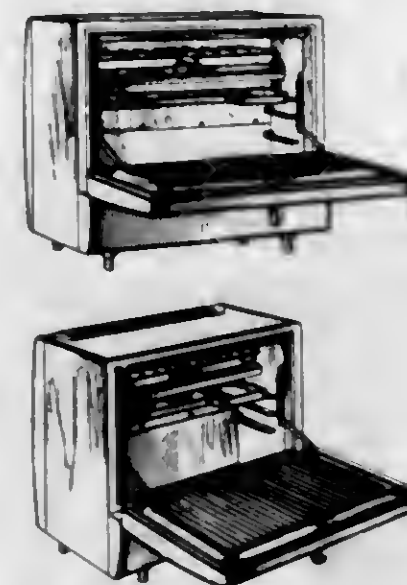
Charles C. Custer, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 30, 1952, Serial No. 21,271
Term of patent 14 years
(Cl. D90—20)



The ornamental design for a tire, as shown.

168,676

COMBINATION REFRIGERATOR AND DISPENSING BAR
Donald E. Dalley, Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 30, 1952, Serial No. 21,274
Term of patent 14 years
(Cl. D67—3)

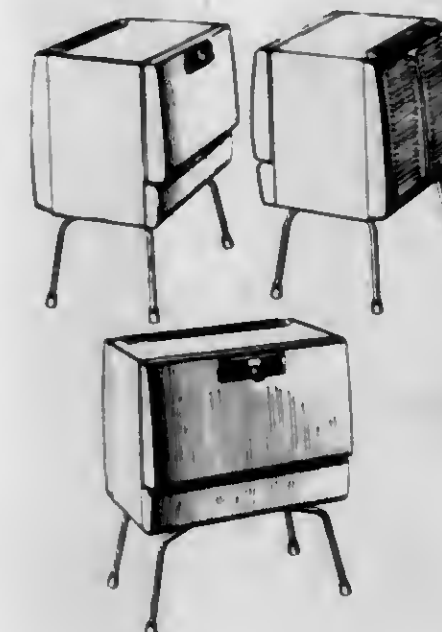


The ornamental design for a combination refrigerator and dispensing bar, as shown and described.

168,677

REFRIGERATOR

Donald E. Dalley, Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 30, 1952, Serial No. 21,275
Term of patent 14 years
(Cl. D67—3)

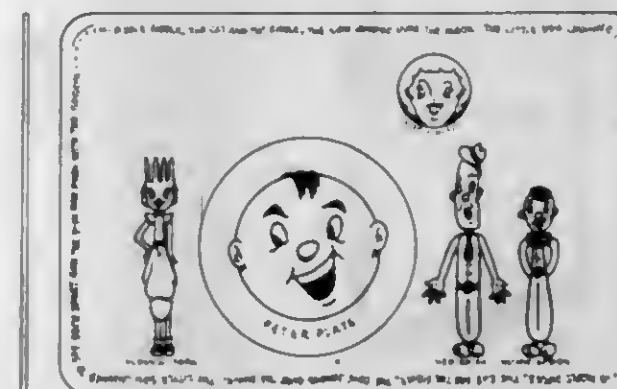


The ornamental design for a refrigerator, as shown.

168,678

PLACE MAT

Oscar C. Elledge and Harold R. McCray, Columbus, Ohio
Application May 13, 1952, Serial No. 19,704
Term of patent 3½ years
(Cl. D92—26)

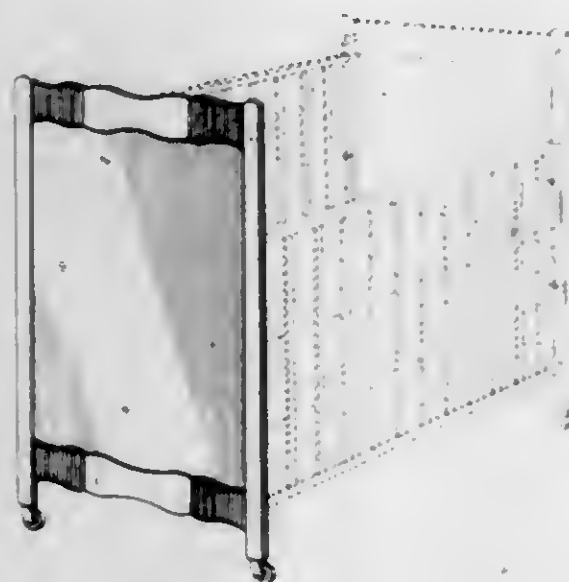


The ornamental design for a place mat, substantially as shown.

168,679

INFANT'S CRIB

Abraham G. Feldman, Chicago, Ill.
Application July 18, 1952, Serial No. 20,678
Term of patent 7 years
(Cl. D5—5)



The ornamental design for an infant's crib, substantially as shown and described.

168,680

INFANT'S CRIB

Abraham G. Feldman, Chicago, Ill.
Application July 18, 1952, Serial No. 20,679
Term of patent 7 years
(Cl. D5—5)

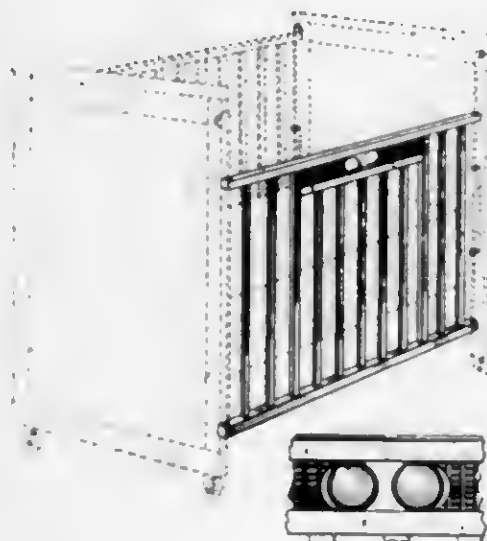


The ornamental design for an infant's crib, substantially as shown and described.

168,681

INFANT'S CRIB

Abraham G. Feldman, Chicago, Ill.
Application July 18, 1952, Serial No. 20,680
Term of patent 7 years
(Cl. D5—5)



The ornamental design for an infant's crib, substantially as shown and described.

168,682

FIGURINE

Edgar G. Frenzel, Chicago, Ill., assignor to Continental Art Company, Chicago, Ill., a partnership
Application July 31, 1952, Serial No. 20,867
Term of patent 3½ years
(Cl. D29—23)

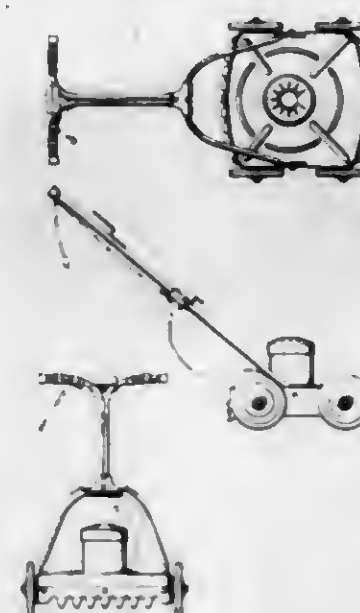


The ornamental design for a figurine, as shown.

168,683

LAWN MOWER

Henry L. Heineke, Springfield, Ill.
Application October 10, 1952, Serial No. 21,786
Term of patent 14 years
(Cl. D40—1)

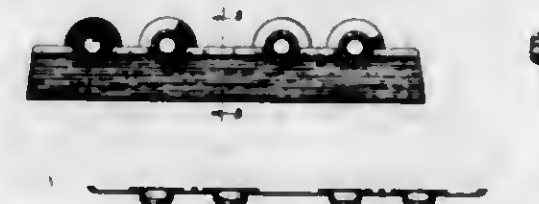


The ornamental design for a lawn mower, substantially as shown.

168,684

COOKING RANGE CONTROL PANEL

Richard E. Hitchcock, Birmingham, Mich., assignor to Detroit-Michigan Stove Company, Detroit, Mich., a corporation of Michigan
Application July 28, 1952, Serial No. 20,781
Term of patent 14 years
(Cl. D81—25)

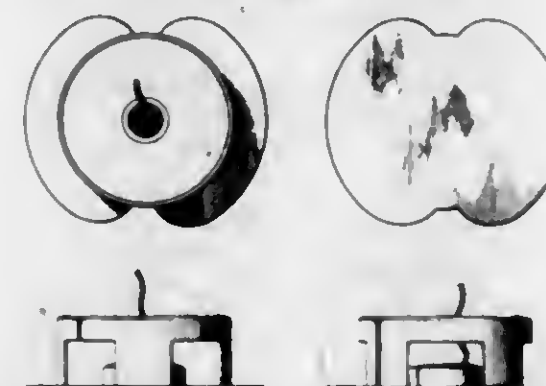


The ornamental design for a cooking range control panel, substantially as shown and described.

168,685

INSECTICIDE VAPORIZER

Charles F. Holbrook, Harlingen, Tex., assignor to Vaporette, Inc., Dallas, Tex., a corporation of Texas
Application August 18, 1952, Serial No. 21,084
Term of patent 14 years
(Cl. D31—3)

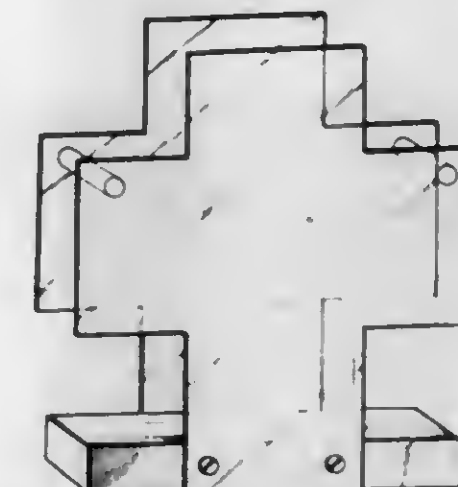


The ornamental design for an insecticide vaporizer, as shown.

168,686

LITERATURE HOLDER

Marie Brady Hunter, Dallas, Tex.
Application September 29, 1952, Serial No. 21,644
Term of patent 3½ years
(Cl. D33—2)

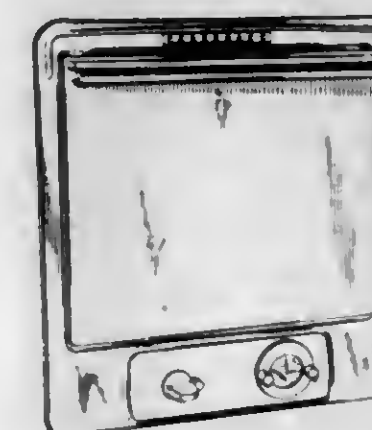


The ornamental design for a literature holder, as shown.

168,687

FRONT FOR A WALL OVEN

Ariell G. Hupp, New Albany, Ind.
Application January 2, 1952, Serial No. 17,897
Term of patent 14 years
(Cl. D81—25)

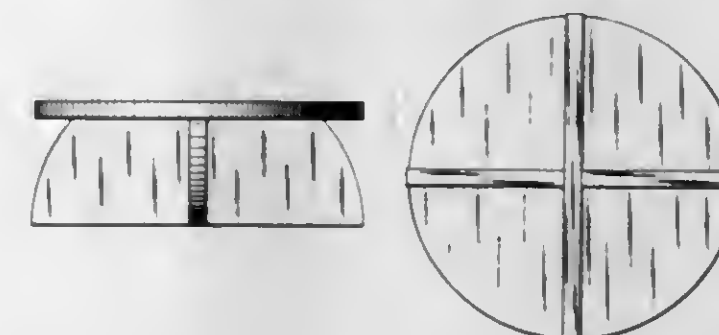


The ornamental design for a front for a wall oven, as shown and described.

168,688

TABLE

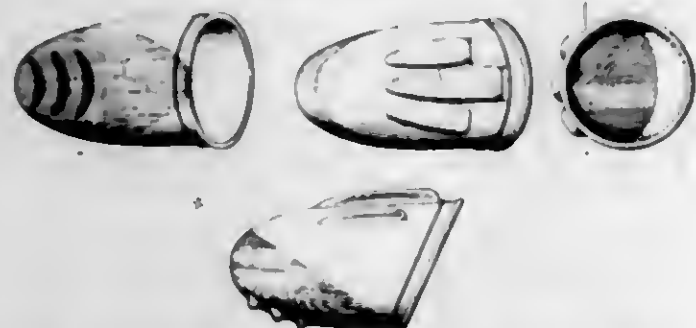
Lawrence C. Johnson and Beulah A. Johnson, Westbrook, Maine
Application May 17, 1952, Serial No. 19,764
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a table, as shown.

168,689

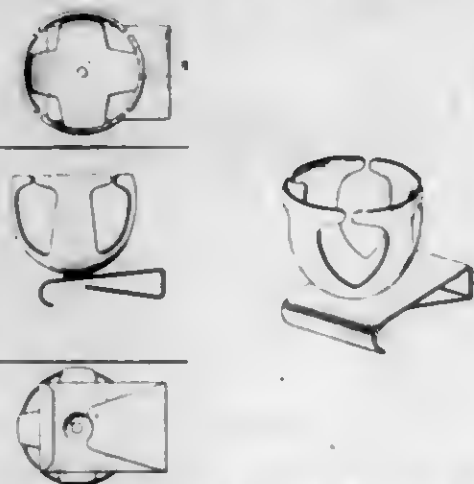
FINGER STALL OR SIMILAR ARTICLE
Charles E. Jones, Chicago, Ill., assignor to
Translon Company, Newark, N. J., a corpora-
tion of New Jersey
Application August 19, 1952, Serial No. 21,107
Term of patent 7 years
(Cl. D74-1)



The ornamental design for a finger stall or similar article, substantially as shown.

168,690

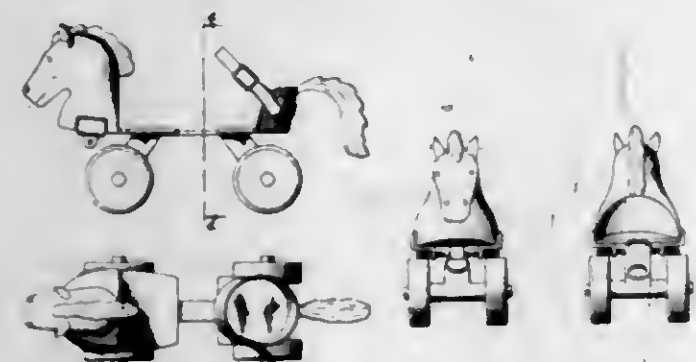
EGG SERVER
Leonard Kalt, New York, N. Y.
Application September 25, 1952, Serial No. 21,583
Term of patent 7 years
(Cl. D44-9)



The ornamental design for an egg server, substantially as shown.

168,691

ROLLER SKATE
Belle A. Kandarian, Fresno, Calif.
Application June 23, 1952, Serial No. 20,312
Term of patent 14 years
(Cl. D34-14)



The ornamental design for a roller skate, as shown.

168,692

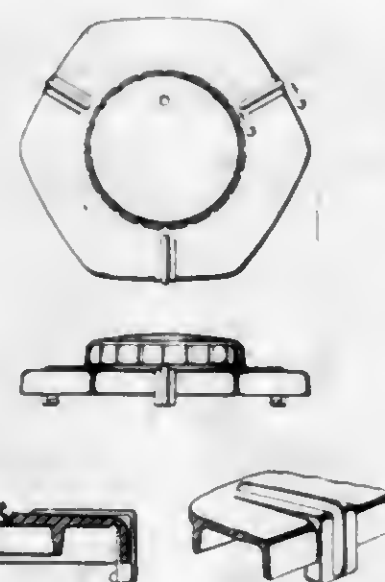
TRAY
Julius P. Katz, Brooklyn, N. Y.
Application April 15, 1952, Serial No. 19,330
Term of patent 7 years
(Cl. D44-10)



The ornamental design for a tray, as shown.

168,693

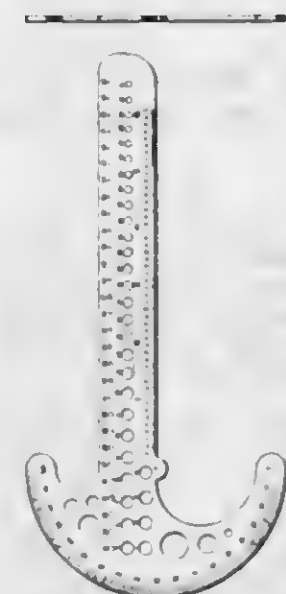
LIQUEFIER BOWL COVER
William B. Kochner, St. Louis, Mo., assignor to
Knapp-Monarch Company, St. Louis, Mo., a
corporation of Delaware
Application August 25, 1952, Serial No. 21,179
Term of patent 14 years
(Cl. D69-1)



The ornamental design for a liquefier bowl cover, substantially as shown.

168,694

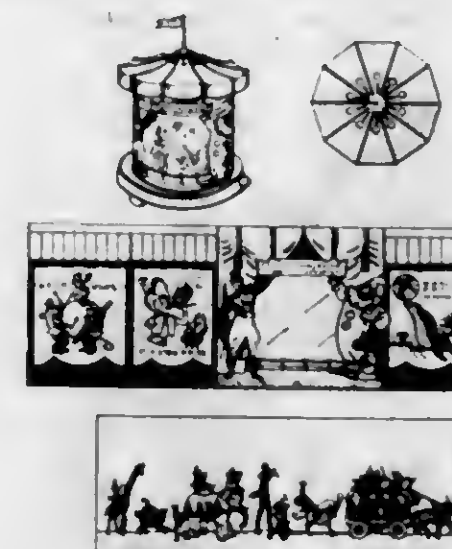
GEOMETRICAL INSTRUMENT
Gustav Langer, Chula Vista, Calif., assignor to
Rohr Aircraft Corporation, Chula Vista, Calif.,
a corporation of California
Application October 8, 1952, Serial No. 21,764
Term of patent 14 years
(Cl. D52-1)



The ornamental design for a geometrical instrument, as shown.

168,695

ANIMATED DECORATIVE LAMP
Aubrey B. Leech, Los Angeles, Calif., assignor to
Econolite Corporation, Los Angeles, Calif., a
corporation of California
Application September 8, 1952, Serial No. 21,379
Term of patent 7 years
(Cl. D48-20)



The ornamental design for an animated decorative lamp, substantially as shown and described.

168,696

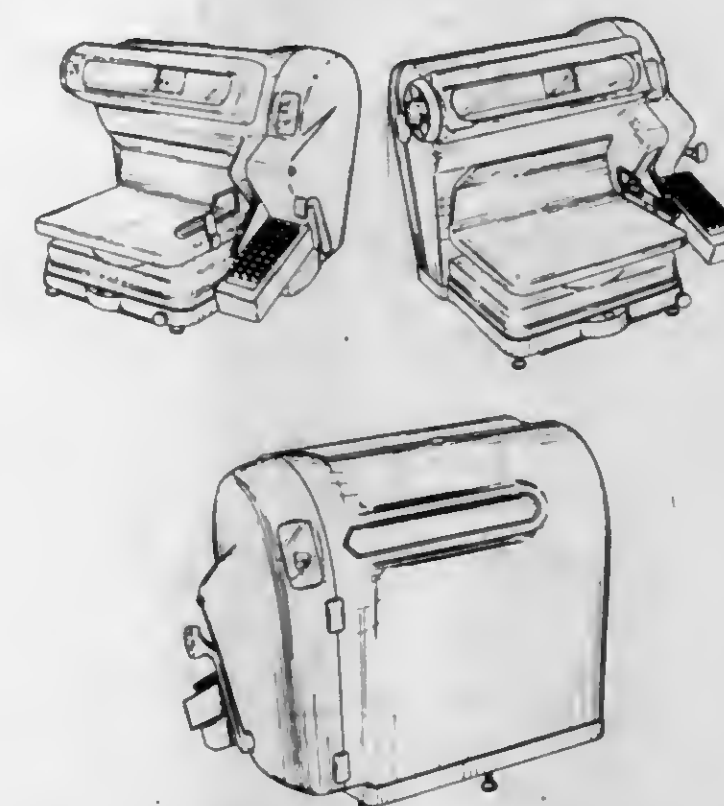
TEXTILE FABRIC OR SIMILAR ARTICLE
Meyer Lefkowitz, New York, N. Y., assignor to
Lincoln Fabrics Co. Inc., New York, N. Y.
Application October 27, 1952, Serial No. 21,993
Term of patent 7 years
(Cl. D92-1)



The ornamental design for a textile fabric or similar article, substantially as shown.

168,697

PRINTING WEIGHING SCALE
John McLeod Little, Toledo, Ohio, assignor to To-
ledo Scale Company, Toledo, Ohio, a corpora-
tion of New Jersey
Application October 15, 1952, Serial No. 21,834
Term of patent 14 years
(Cl. D52-10)

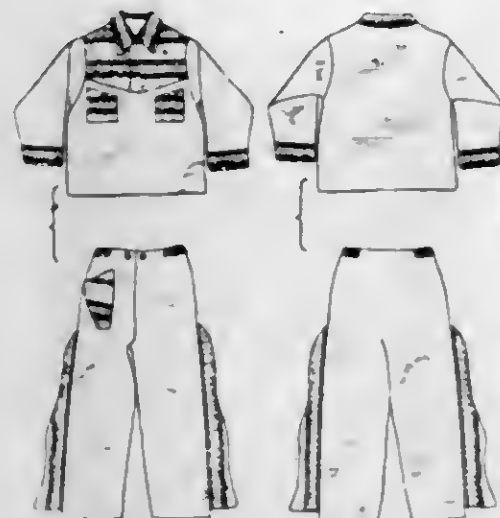


The ornamental design for a printing weighing scale, as shown.

168,698

CHILD'S PAJAMAS

Seymour A. Marrow, Scarsdale, N. Y., assignor to Harwood Manufacturing Corp., New York, N. Y., a corporation
Application July 31, 1952, Serial No. 20,863
Term of patent 7 years
(Cl. D3—17)

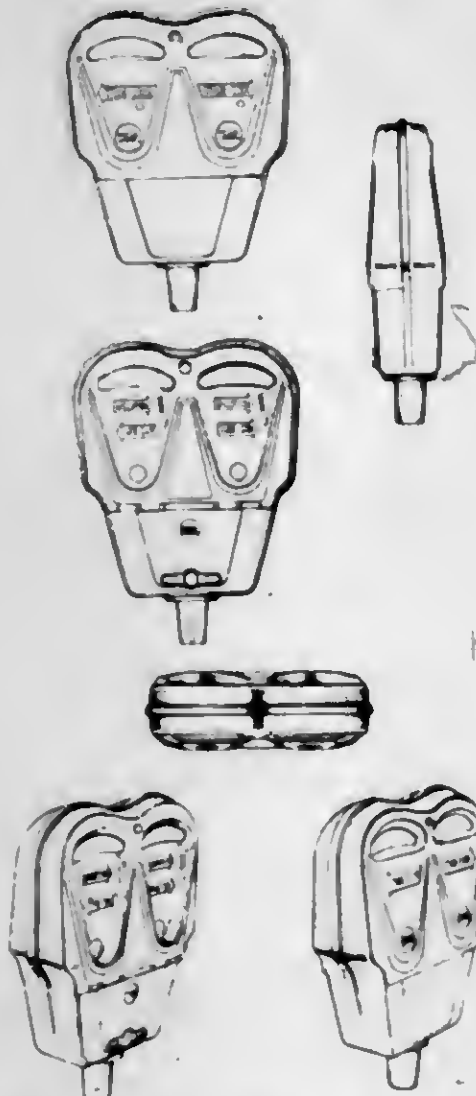


The ornamental design for a child's pajamas, substantially as shown.

168,699

TWIN PARKING METER

Robert D. Murphy, Canton, Ohio, assignor to The Superior Switchboard & Devices Company, Canton, Ohio, a corporation of Ohio
Application July 12, 1952, Serial No. 20,587
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a twin parking meter, substantially as shown.

168,700

PERSPIRATION SHIELD FOR EYEGLASSES

Herbert E. Nichols, Los Angeles, Calif.
Application April 15, 1952, Serial No. 19,329
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a perspiration shield for eyeglasses, substantially as shown and described.

168,701

TEXTILE FABRIC OR SIMILAR ARTICLE

Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,935
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,702

TEXTILE FABRIC OR SIMILAR ARTICLE

Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,938
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,703

TEXTILE FABRIC OR SIMILAR ARTICLE

Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,939
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,704

BASE FOR TABLE LAMPS

Peter P. Ornstein, Los Angeles, Calif., assignor to Polynesian Sales Corporation, Chicago, Ill., a corporation of Illinois
Application August 8, 1952, Serial No. 20,951
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a base for table lamps, as shown.

168,705

BASE FOR TABLE LAMPS

Peter P. Ornstein, Los Angeles, Calif., assignor to Polynesian Sales Corporation, Chicago, Ill., a corporation of Illinois
Application August 8, 1952, Serial No. 20,952
Term of patent 7 years
(Cl. D48—20)

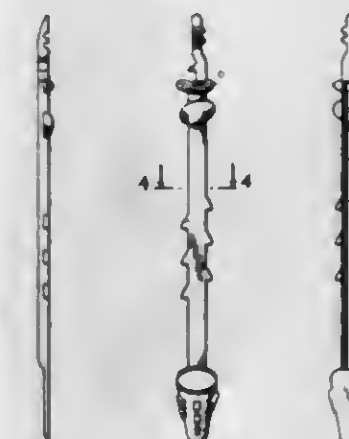


The ornamental design for a base for table lamps, as shown.

168,706

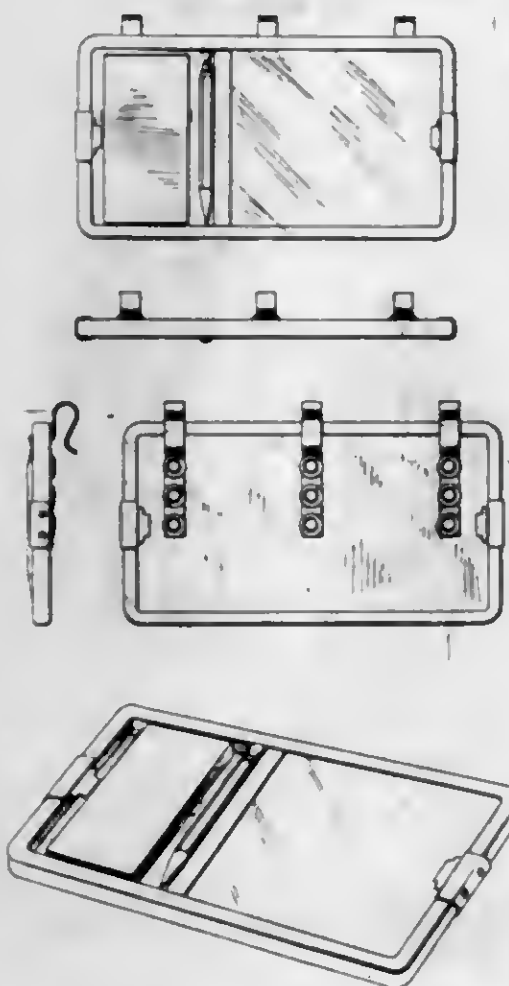
COMBINED STIRRER, SPREADER, AND PICKLE FORK

Charles Lee Osborn, Denver, Colo.
Application June 30, 1952, Serial No. 20,408
Term of patent 14 years
(Cl. D44—29)



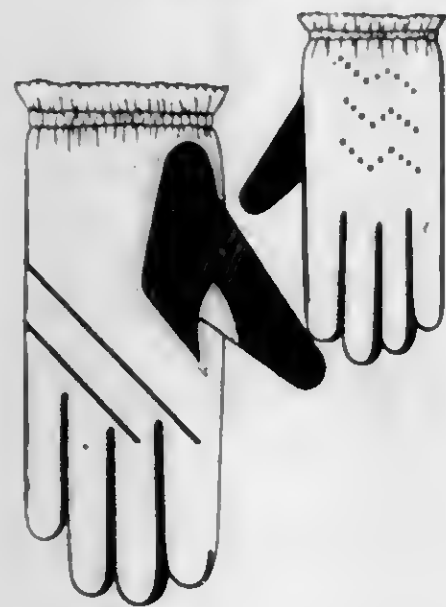
The ornamental design for a combined stirrer, spreader, and pickle fork, as shown.

168,707
SUN VISOR MIRROR UNIT
 Abraham Pavenick, New York, N. Y.
 Application August 22, 1951, Serial No. 16,404
 Term of patent 7 years
 (Cl. D14-6)



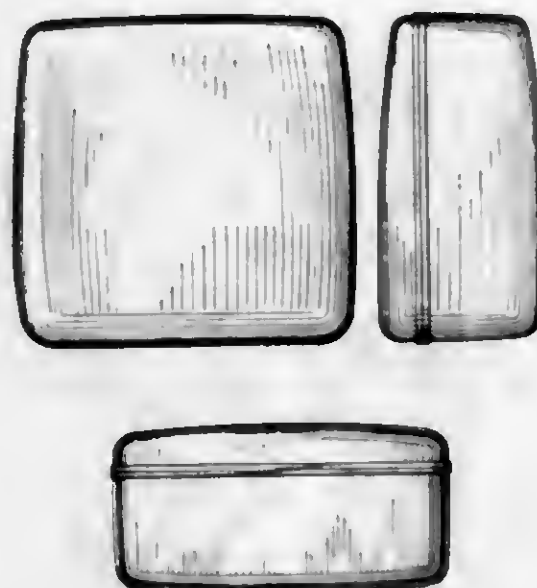
The ornamental design for a sun visor mirror unit, substantially as shown.

168,708
GLOVE
 Edward M. Reece, New York, N. Y.
 Application October 17, 1952, Serial No. 21,869
 Term of patent 14 years
 (Cl. D3-11)



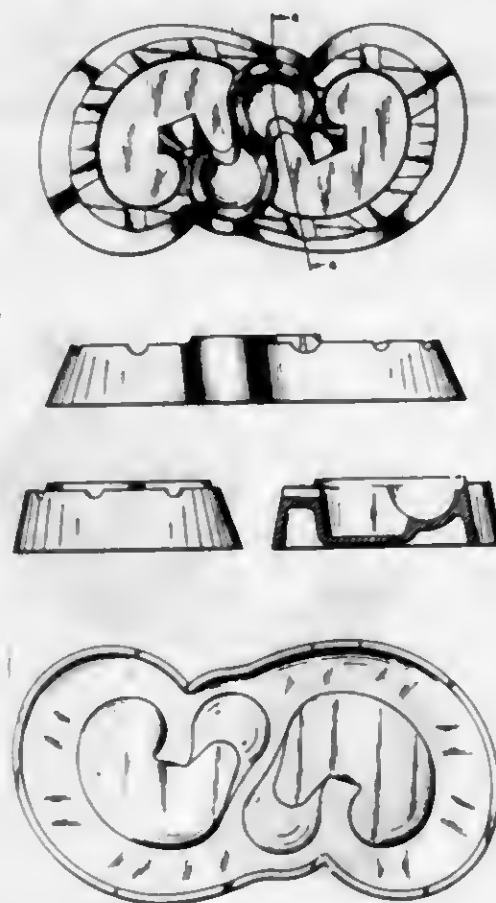
The ornamental design for a glove, substantially as shown.

168,709
PORTABLE TYPEWRITER CASE OR SIMILAR ARTICLE
 Jean O. Reinecke and Jon W. Hauser, Oak Park, Ill., assignor to Hawley Products Company, St. Charles, Ill., a corporation of Delaware
 Application July 7, 1950, Serial No. 10,994
 Term of patent 14 years
 (Cl. D87-6)



The ornamental design for a portable typewriter case or similar article, substantially as shown.

168,710
ASH TRAY
 Louis A. Revell, Los Angeles, Calif.
 Application July 19, 1951, Serial No. 15,945
 Term of patent 14 years
 (Cl. D85-2)



The ornamental design for an ash tray, substantially as shown.

168,711
PLATTER OR SIMILAR ARTICLE
 William C. Richardson, Los Angeles, Calif., assignor to Technical Porcelain and Chinaware Co., El Cerrito, Calif., a partnership
 Application August 28, 1952, Serial No. 21,221
 Term of patent 14 years
 (Cl. D44-15)



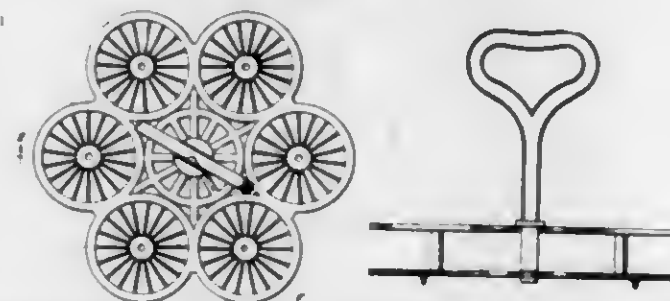
The ornamental design for a platter or similar article, substantially as shown and described.

168,712
CARD HOLDER
 Arthur E. Rittenhouse, Honeoye Falls, N. Y.
 Application September 18, 1952, Serial No. 21,512
 Term of patent 7 years
 (Cl. D34-13)

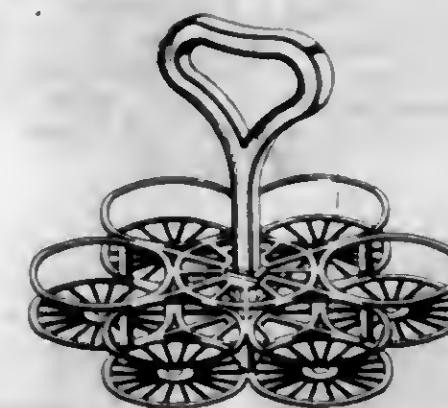


The ornamental design for a card holder, as shown.

168,713
HOLDER FOR BEVERAGE GLASSES
 Noah Rubin, New York, N. Y.
 Application July 22, 1952, Serial No. 20,711
 Term of patent 14 years
 (Cl. D44-7)

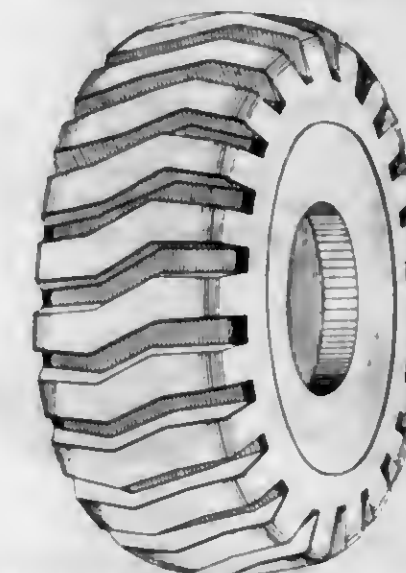


168,713—Continued



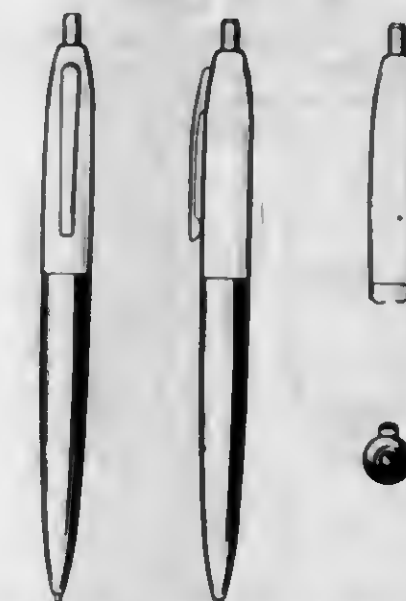
The ornamental design for a holder for beverage glasses, as shown.

168,714
PNEUMATIC TIRE
 Walter H. Schlichtmann, San Francisco, Calif.
 Application November 10, 1952, Serial No. 22,215
 Term of patent 14 years
 (Cl. D90-20)



The ornamental design for pneumatic tire, as shown.

168,715
BALL-POINT PEN OR THE LIKE
 Walter B. Spatz, Los Angeles, Calif., assignor to Frawley Corporation, Culver City, Calif., a corporation of California
 Application May 5, 1952, Serial No. 19,588
 Term of patent 14 years
 (Cl. D74-17)

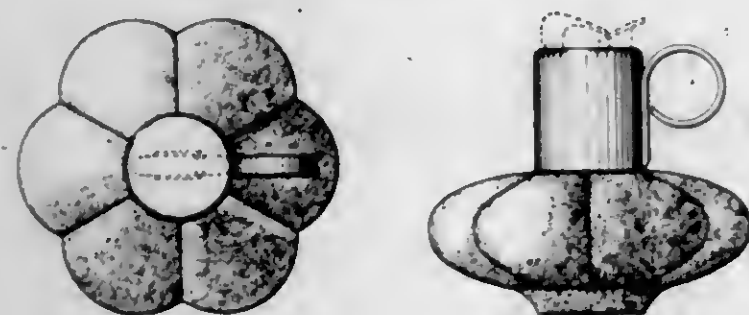


The ornamental design for a ball-point pen or the like, substantially as shown and described.

168,716

TABLE LIGHTER

Samuel F. Speers, Providence, R. I., assignor to
Evans Case Co., North Attleboro, Mass.
Application October 22, 1952, Serial No. 21,924
Term of patent 14 years
(Cl. D48-27)



The ornamental design for a table lighter, as shown and described.

168,717

TABLE LIGHTER

Samuel F. Speers, Providence, R. I., assignor to
Evans Case Co., North Attleboro, Mass.
Application October 22, 1952, Serial No. 21,927
Term of patent 14 years
(Cl. D48-27)

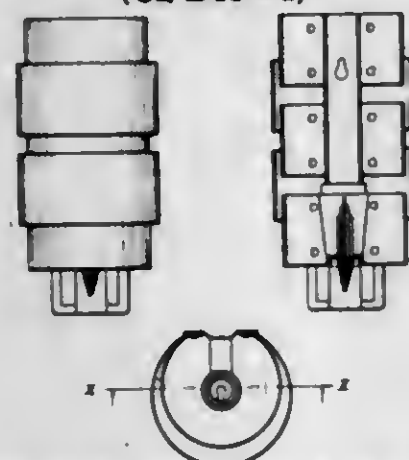


The ornamental design for a table lighter, as shown and described.

168,718

PIN-UP LAMP

Raymond L. Springer, Cincinnati, Ohio
Application April 28, 1952, Serial No. 19,510
Term of patent 14 years
(Cl. D48-4)

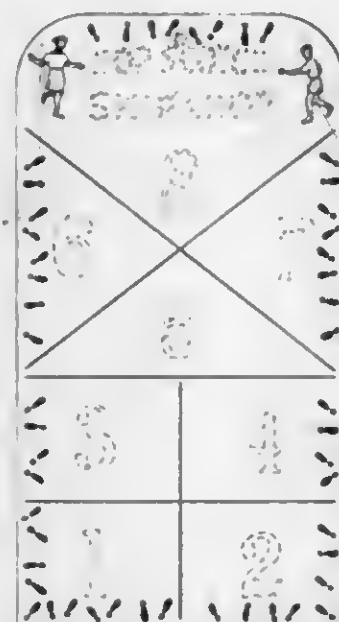


The ornamental design for a pin-up lamp, as shown.

168,719

GAME BOARD

Roger P. Thomas, Pittsburgh, Pa.
Application March 25, 1952, Serial No. 19,036
Term of patent 3 1/2 years
(Cl. D34-5)

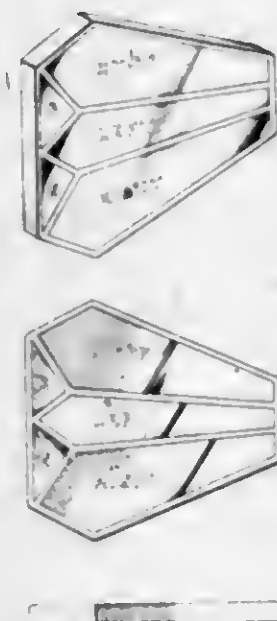


The ornamental design for a game board, substantially as shown and described.

168,720

VEHICLE DIRECTIONAL SIGNAL

John F. Waldman, Enid, Okla.
Application October 16, 1952, Serial No. 21,847
Term of patent 14 years
(Cl. D72-1)



The ornamental design for a vehicle directional signal, as shown and described.

168,721

LAMP

Rosalie A. Woodin, Wilmington, Calif.
Application May 10, 1952, Serial No. 19,655
Term of patent 7 years
(Cl. D48-20)

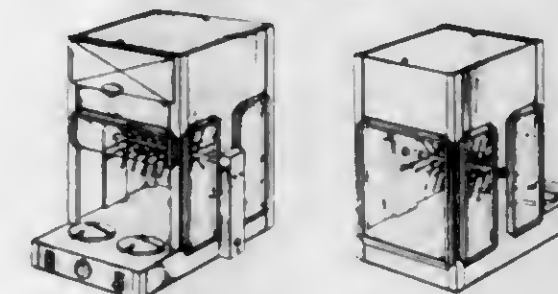


The ornamental design for a lamp, as shown.

168,722

ELECTRIC BROILING UNIT

William Yancher, Los Angeles, Calif., assignor to
Jay Specialties Products, Inc., Los Angeles,
Calif., a corporation of California
Application July 21, 1952, Serial No. 20,707
Term of patent 14 years
(Cl. D81-10)



The ornamental design for an electric broiling unit, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Abbott Laboratories, North Chicago, Ill. Anti-heparin compound. Serial No. 637,977, Jan. 27. Class 18.
- Abco, Inc., McKeesport, Pa., by change of name from Apter Bros. & Co., Inc. Soap. Serial No. 610,606, Jan. 27. Class 52.
- Algin Corporation of America, New York, N. Y. Refined Irish moss extract. Serial No. 623,326, Jan. 27. Class 46.
- Aloff, Alexander, doing business under the name Chicago Packing Company, Chicago, Ill. Smoked dried boneless fish. Serial No. 631,970, Jan. 27. Class 46.
- Alpha Kappa Alpha Sorority, Chicago, Ill. Entertainment service. Serial No. 597,646, Jan. 27. Class 107.
- American Belly Tanning Corp., New York, N. Y. Leather. Serial No. 631,641, Jan. 27. Class 1.
- American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 630,302, Jan. 27. Class 46.
- American Cyanamid Company, New York, N. Y. Thread and yarn. Serial No. 623,700, Jan. 27. Class 43.
- American District Steam Company, North Tonawanda, N. Y. Treating the interiors of storage heater tanks. Serial No. 599,410, Jan. 27. Class 103.
- American Drug & Chemical Co., Minneapolis, Minn. Amber colored disinfectant, germicide, and antiseptic liquid. Serial No. 595,617, Jan. 27. Class 52.
- Apter Bros. & Co., Inc.: See—
Abco, Inc.
- Armour and Company, Chicago, Ill. Margarine. Serial No. 628,517, Jan. 27. Class 46.
- Atlantic Lobster House, Inc., Charlestown, Mass. Canned lobster bisque, canned lobster Newburg, and canned lobster. Serial No. 608,141, Jan. 27. Class 46.
- Atlas Supply Company, Newark, N. J. Radiator hose. Serial No. 634,232, Jan. 27. Class 35.
- Automatic Liquid Meter Co.: See—
Gulbert, Francis W.
- Baker Laboratories, Inc., The, Cleveland, Ohio. Infant food. Serial No. 627,036, Jan. 27. Class 46.
- Bastford (Exporters) Company Limited, London, England. Adult bicycles and tradesmen's carrier bicycles and tricycles and structural parts for such goods. Serial No. 624,993, Jan. 27. Class 19.
- Bausch & Lomb Optical Company, Rochester, N. Y. Spectacles and spectacle lenses. Serial No. 631,091, Jan. 27. Class 26.
- Bear State Packers, Inc., Sanger, Calif. Fresh deciduous fruits and fresh grapes. Serial No. 632,196, Jan. 27. Class 46.
- Benson, N. P., Optical Company, Minneapolis, Minn. Ophthalmic lenses. Serial No. 623,039, Jan. 27. Class 26.
- Blu-Bo Products Co., New York, N. Y. Dog food. Serial No. 627,864, Jan. 27. Class 46.
- Blue Plate Foods, Inc., New Orleans, La. Salad dressing. Serial No. 632,147, Jan. 27. Class 46.
- Bonus Savings Stamp Co., Kansas City, Mo. Blank savings stamp books. Serial No. 600,465, Jan. 27. Class 37.
- Boots Pure Drug Company Limited, Nottingham, England. Thiacetazone product prepared for use in medicine and pharmacy. Serial No. 610,409, Jan. 27. Class 18.
- Briardale Co., San Francisco, Calif. Canned food products. Serial No. 546,353, Jan. 27. Class 46.
- Brown-Forman Distillers Corporation, doing business as Brown-Forman Industries, Louisville, Ky. Photographic print flattening solutions and for hypo neutralizers. Serial No. 633,565, Jan. 27. Class 6.
- Brown-Forman Industries: See—
Brown-Forman Distillers Corporation.
- Bulova Watch Company, Inc., New York, N. Y. Wrist, strap, and bracelet watches, watch movements, etc. Serial No. 633,649, Jan. 27. Class 27.
- Bulova Watch Company, Inc., New York, N. Y. Wrist bands, bracelets, and chains for watches, etc. Serial No. 633,650, Jan. 27. Class 28.
- C. S. & C. Mfg. Co. Inc., New York, N. Y. Men's and children's hats. Serial No. 620,490, Jan. 27. Class 39.
- Calzado Tres Caballos, S. de R. L., Leon, Guanajuato, Mexico. Boots, shoes, and jodhpurs. Serial No. 628,252, Jan. 27. Class 39.
- Cemac Laboratories, Inc., Detroit, Mich. Enteric coated tablet. Serial No. 624,525, Jan. 27. Class 18.
- Chapman Chemical Company, Memphis, Tenn. Soybean defoliant. Serial No. 634,398, Jan. 27. Class 6.
- Chemco Products Company, Inc.: See—
Pelron Corporation.
- Chicago Packing Company: See—
Aloff, Alexander.
- Columbus Canning Company, Columbus, Miss. Canned dog and cat food. Serial No. 632,199, Jan. 27. Class 46.
- Combined Laundries, Inc., Mount Vernon, N. Y. Laundry services. Serial No. 625,252, Jan. 27. Class 103.
- Commercial Solvents Corporation, New York, N. Y. Vaginal suppositories. Serial No. 638,065, Jan. 27. Class 18.
- Consolidated Factors, Monterey, Calif. Sea products. Serial No. 621,620, Jan. 27. Class 46.
- Corcoran, Joseph F., Shoe Company, Stoughton and Canton, Mass. Boot polish. Serial No. 538,374, Jan. 27. Class 4.
- Cyma Watch Co. S. A., La Chaux-de-Fonds, Switzerland. Watches and parts of watches, clocks, watch and clock movements, etc. Serial Nos. 630,585-7, Jan. 27. Class 27.
- De-Lite Screen Company, Inc., Chicago, Ill. Motion picture screens. Serial No. 625,405, Jan. 27. Class 26.
- Davis, Hamilton C., doing business as Walnut Creek Canning Company, Walnut Creek, Calif. Canned tomato paste. Serial No. 594,200, Jan. 27. Class 46.
- Dominique France, Inc., New York, N. Y., and elsewhere in the United States. Men's neckties and scarves. Serial No. 588,290, Jan. 27. Class 39.
- Drema Manufacturing Company, Inc., New York, N. Y. Wrist-bands for wrist watches. Serial No. 633,537, Jan. 27. Class 28.
- E-Z Paint Corporation, Butler, Wis. Paint rollers. Serial No. 607,492, Jan. 27. Class 29.
- Eagle Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 621,455, Jan. 27. Class 39.
- Eagle Shlrmakers, Inc., Philadelphia, Pa. Men's woven dress shirts, negligee shirts, undershirts, etc. Serial No. 628,620, Jan. 27. Class 39.
- Embassy Chocolate Products Company, Los Angeles, Calif. Candy. Serial No. 619,538, Jan. 27. Class 46.
- Enterprise Aluminum Company, The, Massillon, Ohio. Base metal cooking hollow ware. Serial No. 631,855, Jan. 27. Class 13.
- Federal Sweets & Biscuit Co., Inc., Chilton, N. J. Candy. Serial No. 633,760, Jan. 27. Class 46.
- Feldman, Sam, Long Beach, Calif. Perfume. Serial No. 633,416, Jan. 27. Class 51.
- Fishermen's Federation, Inc., Seattle, Wash., New York, N. Y., Chicago, Ill., and Vancouver, British Columbia, Canada. Canned crabmeat and fresh frozen fish. Serial No. 626,235, Jan. 27. Class 46.
- Flex-O-Glass, Inc., Chicago, Ill. Flexible, translucent and transparent sheet materials, etc. Serial No. 615,378, Jan. 27. Class 50.
- Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 635,223, Jan. 27. Class 42.
- Fox Brothers & Company Limited, Wellington, Somerset, England. Scarves. Serial No. 625,981, Jan. 27. Class 39.
- Franks, John L., & Co., Miles, Iowa. Mixed commercial animal feed. Serial No. 580,657, Jan. 27. Class 46.
- Frenchtown Porcelain Company, Frenchtown, N. J. Porcelain nozzles. Serial No. 620,779, Jan. 27. Class 13.
- Frye, John W., Jr., doing business as White Hut, Warrington, Fla. Hamburger sandwiches. Serial No. 622,714, Jan. 27. Class 46.
- Gallanis, John A., doing business as Temptation Original Candy Co., Chicago, Ill. Candles. Serial No. 605,735, Jan. 27. Class 46.
- Garan Chemical Corporation, Los Angeles, Calif. Catalyst composition. Serial No. 634,405, Jan. 27. Class 6.
- Gemex Company, Union, N. J. Bracelets and watch bracelets and watch straps. Serial No. 629,107, Jan. 27. Class 28.
- Gemex Company, Union, N. J. Bracelets and watch bracelets and watch straps. Serial No. 634,042, Jan. 27. Class 28.
- General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Wheat flour, farina, corn meal, etc. Serial No. 618,738, Jan. 27. Class 46.
- General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. Serial No. 629,362, Jan. 27. Class 35.
- General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires and related goods. Serial No. 629,668, Jan. 27. Class 35.
- Globe Mills, Inc.: See—
Lone Star Elevators.
- Gulbert, Francis W., doing business as Automatic Liquid Meter Co., Los Angeles, Calif. Meters. Serial No. 618,578, Jan. 27. Class 26.
- Haas Miller Corporation, Philadelphia, Pa. Emulsion of dispersed fats and a protein binder. Serial No. 625,596, Jan. 27. Class 6.
- Hartzell, Clarence, Elgin, Ill. Entertainment services. Serial No. 607,814, Jan. 27. Class 107.
- Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 631,208, Jan. 27. Class 39.
- Heintz Manufacturing Company, Philadelphia, Pa. Mechanical, metallurgical, and chemical engineering services. Serial No. 567,970, Jan. 27. Class 101.

LIST OF TRADE-MARK APPLICANTS

Henney Motor Company, Inc., Freeport, Ill. Motor driven ambulances, hearses, funeral coaches, etc. Serial No. 625,273, Jan. 27. Class 19.

House of Hansel and Gretel, assignor to R. M. Lyman, Los Gatos, Calif. Candles, fruit cakes, cookies and glazed fruits. Serial Nos. 580,407-8, Jan. 27. Class 46.

Huber, Dudley A., doing business as The Huber Feltex Company, Toccoa, Ga. Felt cleaning and conditioning compound. Serial No. 601,436, Jan. 27. Class 52.

Huber Feltex Company, The: See—
Huber, Dudley A.

Hunter Douglas Corporation, New York, N. Y. Venetian blinds. Serial No. 630,411, Jan. 27. Class 32.

Huter-Quest & Co., Inc., Louisville, Ky. Canned and bottled fruit mixes, candles, and syrups. Serial No. 626,572, Jan. 27. Class 46.

Hyman & Hyman: See—
Hyman and Hyman.

Hyman and Hyman, also known as Hyman & Hyman, Philadelphia, Pa. Women's, misses', junior misses' and children's dresses. Serial No. 633,154, Jan. 27. Class 39.

Hy-Pure Laboratories, Inc., Cincinnati, Ohio. Membraneous and rubber prophylactic articles. Serial No. 614,662, Jan. 27. Class 44.

Interstate Bag Co., Walden, N. Y. Handled paper shopping bags. Serial No. 621,770, Jan. 27. Class 2.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Toilet soap. Serial No. 615,327, Jan. 27. Class 52.

Johns-Manville Corporation, New York, N. Y. Decorative asbestos siding sheets. Serial No. 632,429, Jan. 27. Class 12.

Johns-Manville Corporation, New York, N. Y. Fiberboard sheathing. Serial No. 632,565, Jan. 27. Class 12.

Karam House, Cleveland, Ohio. Entertainment services. Serial No. 608,276, Jan. 27. Class 107.

Karmelkorn Corporation, Chicago, Ill. Popcorn candy, seasoned popcorn, cheese covered popcorn, etc. Serial No. 604,153, Jan. 27. Class 46.

Keep Brothers: See—
Keep, Florence W.

Keep, Florence W., doing business under the name of Keep Brothers, Philadelphia, Pa. Furniture polish. Serial No. 625,558, Jan. 27. Class 4.

Kiasco Products Co.: See—
Kiasco, Morris B.

Kiasco, Morris B., doing business as Kiasco Products Co., Los Angeles, Calif. Insecticides; moth flakes, pads, cakes, tablets and crystals, etc. Serial No. 632,213, Jan. 27. Class 6.

La Hard, Lillian S., New York, N. Y. Specially constructed spectacles and sunglasses. Serial No. 623,420, Jan. 27. Class 26.

Lekas and Drivas: See—
Lekas & Drivas, Inc.

Lekas & Drivas, Inc., doing business under the name Lekas and Drivas, New York, N. Y. Cheese. Serial No. 628,516, Jan. 27. Class 46.

Leonor Shirt Co., Inc., Easthampton, Mass. Outer shirts. Serial No. 628,213, Jan. 27. Class 39.

Lever Brothers Company, New York, N. Y. Facial make-up base. Serial No. 626,630, Jan. 27. Class 51.

Libbey-Owens-Ford Glass Company, assignee: See—
Steinman, Robert.

Little Countess Girls' Coats, Inc., New York, N. Y. Infants', children's and teen age girls' coats, suits, leggings and hat sets, etc. Serial No. 614,210, Jan. 27. Class 39.

Lone Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc. Wheat flour. Serial No. 561,008, Jan. 27. Class 46.

Lurie Pizer Company, Los Angeles, Calif. Children's bathing suits. Serial Nos. 626,518-19, Jan. 27. Class 39.

Lyman, Richard M., assignee: See—
House of Hansel and Gretel.

Maler, Fred J., Chicago, Ill. Spectacle container. Serial No. 623,252, Jan. 27. Class 26.

Manufactures de Produits Chimiques du Nord-Etablissements Kuhlmann, Paris, France. Aminoethanols and their derivatives. Serial No. 633,938, Jan. 27. Class 6.

Marion County Greenhouse Growers, Inc., Indianapolis, Ind. Fresh whole tomatoes and leaf lettuce. Serial No. 601,804, Jan. 27. Class 46.

Marston Excelsior Limited, London, England. Flexible non-metallic tanks used as fuel tanks, water tanks, oil tanks, etc., being parts of aircraft, watercraft, or land vehicles. Serial No. 624,281, Jan. 27. Class 19.

Martin, James H., Chicago, Ill. Printed wall cards. Serial No. 624,093, Jan. 27. Class 38.

Marvin Canning Company, Inc., Dallas, Tex. Canned dog food. Serial No. 630,011, Jan. 27. Class 46.

McCarthy, Justin A., doing business as Justin A. McCarthy Company, Boston, Mass. Fire hose. Serial No. 618,053, Jan. 27. Class 35.

McCarthy, Justin A., Company: See—
McCarthy, Justin A.

Meat Industry Suppliers, Inc., Chicago, Ill. Barbeque sauce. Serial No. 617,546, Jan. 27. Class 46.

Mercantile Stores Company, Inc., Wilmington, Del. Electric household refrigerators. Serial No. 632,812, Jan. 27. Class 31.

Merit Watch Co., Inc., New York, N. Y. Watches, watch movements, clocks and parts thereof. Serial No. 632,171, Jan. 27. Class 27.

Metropolitan Shoemakers, Inc., Chicago, Ill. Ladies' shoes. Serial No. 626,894, Jan. 27. Class 39.

Michaels & Co. Inc., Brooklyn, N. Y. Repairing and reupholstering of furniture. Serial No. 614,005, Jan. 27. Class 103.

Michigan Chemical Corporation, St. Louis, Mich. Pesticides. Serial No. 630,651, Jan. 27. Class 6.

Miller Manufacturing Co., Inc., Joplin, Mo., and New York, N. Y. Men's and boys' sport shirts, trousers and jackets. Serial No. 606,387, Jan. 27. Class 39.

Modista Shoes, Inc., New York, N. Y. Ladies' and misses' shoes. Serial No. 628,288, Jan. 27. Class 39.

Monasanto Chemical Company, St. Louis, Mo. Bulk rubber compositions. Serial Nos. 623,005-6, Jan. 27. Class 1.

Moran, R. J., Co., Boston, Mass. Medicament. Serial No. 633,207, Jan. 27. Class 18.

Moran Shoe Company, Carlyle, Ill. Infants' shoes. Serial Nos. 603,589-90, Jan. 27. Class 39.

Morro, N. A., & Company Limited, Auckland and Newmarket, Auckland, New Zealand. Cosmetics. Serial No. 620,075, Jan. 27. Class 51.

Nail Sportswear Limited, Honolulu, Hawaii. Men's and women's and children's apparel. Serial No. 617,417, Jan. 27. Class 39.

National Association of Evangelicals, Chicago, Ill. Disseminating religious literature and assisting religious organizations, etc. Serial No. 630,340, Jan. 27. Class 100.

National Oats Company, East St. Louis, Ill. Feeds. Serial No. 599,962, Jan. 27. Class 46.

National Sanitary Sales: See—
Paradise, Paul R.

North American Mogul Products Company, The, Cleveland, Ohio. Compounds for the inhibiting and preventing of rust, scale, carbon deposit, etc., in boilers, furnaces, etc. Serial No. 623,808, Jan. 27. Class 6.

Nourse Oil Company, Kansas City, Mo., and Kansas City, Kan. Insecticides and for a cattle-spraying compound. Serial No. 633,245, Jan. 27. Class 6.

Organon Inc., Orange, N. J. Medicinal preparation. Serial No. 633,165, Jan. 27. Class 18.

Packard Motor Car Company, Detroit, Mich. Motor cars and trucks. Serial No. 622,842, Jan. 27. Class 19.

Paradise, Paul R., doing business as National Sanitary Sales, Chicago, Ill. Rubber prophylactics. Serial No. 591,187, Jan. 27. Class 44.

Patrick-Dunith Co., Duluth, Minn. Coats, jackets, ski pants, etc. Serial No. 630,907, Jan. 27. Class 39.

Pelron Corporation, Lyons, Ill., by change of name from Chemco Products Company, Inc. Rust preventives, soldering fluxes, oxidation retardant fluxes, etc. Serial No. 600,508, Jan. 27. Class 6.

Pendleton's, Shelby, N. C. Baby's cribs. Serial No. 620,385, Jan. 27. Class 32.

Phonovisual Products, Washington, D. C. Printed educational materials. Serial No. 628,823, Jan. 27. Class 38.

Pioneer Cap Co., Kansas City, Mo. Caps, hats, jackets, and coats. Serial No. 623,615, Jan. 27. Class 39.

Plain, John, & Company, Chicago, Ill. Men's and women's wrist and other watches. Serial No. 630,347, Jan. 27. Class 27.

Polygram Casting Company, Limited, London, England. Binders consisting principally of synthetic resin, for moulding powders, moulding compositions, etc. Serial No. 629,387, Jan. 27. Class 5.

Precision Plastics Company, Philadelphia, Pa. Phonograph records. Serial No. 627,700, Jan. 27. Class 36.

Premo Pharmaceutical Labs., Inc., South Hackensack, N. J. Suppositories. Serial No. 621,982, Jan. 27. Class 18.

Priestley, B., & Co., Inc., New York, N. Y. Men's neckties and suits. Serial No. 626,840, Jan. 27. Class 39.

Rabinowitz, Morris, Brooklyn, N. Y. Watch parts. Serial No. 632,743, Jan. 27. Class 27.

Radtko & Wahl Gesellschaft mit beschränkter Haftung, Hannover, Germany. Spectacle-glasses. Serial No. 620,553, Jan. 27. Class 26.

Realstet Hats, Inc., Garland, Tex. Men's hats. Serial No. 628,648, Jan. 27. Class 39.

Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Still and effervescent table waters. Serial No. 570,215, Jan. 27. Class 45.

Roanoke City Mills, Inc., Roanoke, Va. Prepared flour mix. Serial No. 631,817, Jan. 27. Class 46.

Rosenberg, Philip, doing business as Sagel's Candles, Wildwood, N. J. Candy. Serial No. 628,555, Jan. 27. Class 46.

Royal Robes, Inc., New York, N. Y. Women's and misses' robes. Serial No. 626,534, Jan. 27. Class 39.

Royal Robes, Inc., New York, N. Y. Men's bath robes, sport jackets, leisure jackets, etc. Serial No. 626,637, Jan. 27. Class 39.

Rutrick, Julius, New York, N. Y. Applying decorative designs to textile fabrics and plastic sheets. Serial No. 589,533, Jan. 27. Class 106.

Sagel's Candles: See—
Rosenberg, Philip.

Samuels, Paul, Meadville, Pa. Interchangeable saddle cover for men's and women's oxford shoes. Serial No. 627,012, Jan. 27. Class 39.

LIST OF TRADE-MARK APPLICANTS

Sarkis, David, Inc., New York, N. Y. Gold and platinum jewelry. Serial No. 634,713, Jan. 27. Class 28.

Seaboard Seed Company, Philadelphia, Pa. Lawn seed. Serial No. 624,369, Jan. 27. Class 1.

Shoreland Freezers, Inc., Salisbury, Md. Frozen fruits and vegetables. Serial No. 624,210, Jan. 27. Class 46.

Sigma Phi Epsilon Fraternity, Richmond, Va. Organizing of chapters and regional alumni groups, etc. Serial No. 596,044, Jan. 27. Class 100.

Skelly Oil Company, Kansas City, Mo. Liquefied petroleum gas, compressed gas, compressed natural gas, etc. Serial No. 634,534, Jan. 27. Class 6.

Sleepmaster Products Company, Inc., Newark, N. J. Cushions for seats, backs and arms of furniture, upholstery padding, mattresses, etc. Serial No. 599,985, Jan. 27. Class 32.

Smith, William H., Baltimore, Md. Fertilizer. Serial No. 627,530, Jan. 27. Class 10.

Societe Rhovyl, Paris, France. Threads. Serial No. 602,794, Jan. 27. Class 43.

South African Rock Lobster Association, Inc., New York, N. Y. Frozen South African rock lobster tails. Serial No. 625,045, Jan. 27. Class 46.

Southwest Potash Corporation, New York, N. Y. Muriate of potash. Serial No. 632,904, Jan. 27. Class 6.

Speed Age, Inc., Hyattsville, Md. Magazines. Serial No. 629,220, Jan. 27. Class 38.

Sponge Rubber Products Company, The, Shelton, Conn. Auto trunk strips and auto armrests. Serial No. 627,648, Jan. 27. Class 19.

Standard Oil Company, The, Cleveland, Ohio. Lubricating oil. Serial No. 633,177, Jan. 27. Class 15.

Stauffer Chemical Company, San Francisco, Calif. Cotton defoliant. Serial No. 633,639, Jan. 27. Class 6.

Steinman, Robert, Los Angeles, Calif., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sizing composition for treating glass fibers and glass cloth. Serial No. 623,520, Jan. 27. Class 6.

Storkline Furniture Corporation, Chicago, Ill. Walker-stroller. Serial No. 626,221, Jan. 27. Class 19.

Superior Sleeprite Corporation, Chicago, Ill. Daveport beds. Serial No. 622,633, Jan. 27. Class 32.

T-K Roofing Manufacturing Co., Chester, W. Va. Roofing or siding strips and shingles. Serial No. 636,748, Jan. 27. Class 12.

Tammings Incorporated: See—
Wis-Products, Inc.

Tampro Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 613,312, Jan. 27. Class 42.

Tavannes Watch Co., Tavannes, Switzerland. Watches and parts of watches, watch movements, etc. Serial No. 630,630, Jan. 27. Class 27.

Temptation Original Candy Co.: See—
Gallenia, John A.

Thermix Corporation, The, Greenwich, Conn. Designing and engineering of mechanical dust collectors, electrostatic collectors, etc. Serial No. 619,658, Jan. 27. Class 100.

Toledo Dental Products Company, The, Toledo, Ohio. Investment materials. Serial No. 591,595, Jan. 27. Class 1.

Torigian Laboratories, Inc., Queens Village, N. Y. Pharmaceutical preparation. Serial No. 633,228, Jan. 27. Class 18.

Trans-Lux Corporation, New York, N. Y. Projection screens, film projectors, and parts thereof. Serial No. 594,817, Jan. 27. Class 26.

Travelite Trailer Company, Chicago, Ill. House trailers. Serial No. 625,834, Jan. 27. Class 19.

Tri-Art Color Corporation, New York, N. Y. Developing and printing of color film. Serial Nos. 623,488-9, Jan. 27. Class 106.

United States Rubber Company, New York, N. Y. Stabilizer for use in rubbers. Serial No. 634,225, Jan. 27. Class 6.

Van Buren County Fruit Exchange, Inc., Fort Lauderdale, Fla. Fresh citrus and deciduous fruits, and fresh vegetables. Serial No. 615,469, Jan. 27. Class 46.

Viking Machine & Tool Corporation, The, Belleville, N. J. Additional gasoline tanks for automobiles. Serial No. 628,973, Jan. 27. Class 19.

Vogue Shoe, Inc., Los Angeles, Calif. Women's shoes. Serial No. 627,022, Jan. 27. Class 39.

Walnut Creek Canning Company: See—
Davis, Hamilton C.

Waltham Watch Company, Waltham, Mass. Mainsprings for watches. Serial No. 632,640, Jan. 27. Class 27.

Warwick Typographers, Inc., St. Louis, Mo. Lithographic reproduction photo proofs. Serial No. 628,379, Jan. 27. Class 38.

Webb, Thomas J., Company, Chicago, Ill. Coffee and tea. Serial No. 582,805, Jan. 27. Class 46.

Weidt Brassiere Corporation, New York, N. Y. Corsets, brassieres, and foundation garments. Serial No. 628,450, Jan. 27. Class 39.

West Disinfecting Company, Long Island City, N. Y. Toilet room disinfecting and sanitation; insect, pest, and rodent control, etc. Serial No. 611,160, Jan. 27. Class 103.

White Hut: See—
Frye, John W., Jr.

Wilson, Joe: See—
Wilson, Joseph C.

Wilson, Joseph C., doing business as Joe Wilson, Lexington, Ky. Bottled cocktails. Serial No. 610,880, Jan. 27. Class 49.

Wilson, William, & Sons Limited, Guiseley, England. Perambulators (baby carriages). Serial No. 624,515, Jan. 27. Class 19.

Wis-Products, Inc., Ooshen, N. Y., by change of name from Tammings Incorporated. Glass pipe and glass fittings therefor. Serial No. 623,810, Jan. 27. Class 33.

Woods Bros. Coffee Company, Roanoke, Va. Coffee and tea. Serial No. 621,850, Jan. 27. Class 46.

Youngtown Grape Distributors, Reedley, Calif. Fresh grapes and fresh deciduous fruits. Serial No. 634,390, Jan. 27. Class 46.

Zip Motors, Inc., Council Bluffs, Iowa. Automobiles, trucks, and house trailers. Serial No. 624,000, Jan. 27. Class 19.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Sedative, hypnotic, muscle relaxing anesthetic compound. 569,758, Jan. 27; Serial No. 632,059, published Oct. 21, 1952. Class 18.

Abrams Dress Corporation, New York, N. Y. Ladies' and misses' dresses. 569,823, Jan. 27; Serial No. 608,464. Class 39.

Affiliated Gas Equipment, Inc., Cleveland, Ohio. Boilers, furnaces, air conditioners, etc. 569,663, Jan. 27; Serial No. 596,004, published Oct. 28, 1952. Class 34.

Airmaster Corporation, Chicago, Ill. Kitchen and window exhaust fans, gravity-operated and motor-driven shutters, etc. 569,737, Jan. 27; Serial No. 625,446, published Sept. 2, 1952. Class 34.

Alden Mills, The, New Orleans, La. Men's, women's, and children's hosiery. 569,637, Jan. 27; Serial No. 531,281, published Oct. 28, 1952. Class 39.

American Dietetics Company, Inc., Yonkers, N. Y. Chewing gum. 569,795, Jan. 27; Serial No. 619,375. Class 46.

American Dyewood Company, New York, N. Y. Water-treating composition. 569,752, Jan. 27; Serial No. 628,837, published Nov. 4, 1952. Class 6.

American Optical Company, Southbridge, Mass. Ballistic scientific and ballistic laboratory apparatus; bibliofilm projectors, etc. 444,749, Jan. 27; Serial No. 524,850, published Sept. 23, 1952. Class 26.

American Rock Wool Corp., Wabash, Ind. Thermal insulating material. 569,720, Jan. 27; Serial No. 622,684, published Oct. 28, 1952. Class 12.

American Tempo Corporation, Chicago, Ill. Liquid hydrocarbon fuel packaged in disposable containers. 569,741, Jan. 27; Serial No. 628,362, published Oct. 28, 1952. Class 8.

American Writing Paper Corporation: See—
Greenebaum, Max.

Amerling Piano Co., Brooklyn, N. Y. Pianos, organs, trumpets, etc. 569,798, Jan. 27; Serial No. 620,290. Class 36.

Arbogast, Fred, and Company, Inc., Akron, Ohio. Artificial bait. 569,703, Jan. 27; Serial No. 616,355, published Nov. 4, 1952. Class 22.

Armor Farm Implement Co., Vancouver, Wash., and Wichita, Kans. Cultivators, scrapers, ditch diggers, etc. 569,796, Jan. 27; Serial No. 619,494. Class 23.

Armour and Company: See—
Morris Fertilizer Co.

Aro Equipment Corporation, The, Bryan, Ohio. Automotive and industrial lubricating equipment, pneumatic tools. 569,665, Jan. 27; Serial No. 597,809, published Oct. 21, 1952. Class 23.

Arona, Adolph, & Sons, Inc., Jersey City, N. J. Summer clothing. 569,640, Jan. 27; Serial No. 568,566, published May 23, 1950. Class 39.

Athletic Films, Inc., Hollywood, Calif. Motion and still pictures on film and viewers therefor. 569,831, Jan. 27; Serial No. 617,359. Class 26.

Attorney General of the United States, vested in the: See—
Billhuber, E., Inc.

Audio Devices, Inc., New York, N. Y. Magnetic sound recording tape. 569,657-8, Jan. 27; Serial Nos. 592,689-90, published Sept. 30, 1952. Class 21.

Auto-Nailer Company, The: See—
Auto-Soler Company, The.

Auto-Soler Company, The, doing business as The Auto-Nailer Company, Atlanta, Ga. Fastener forming and inserting machines. 569,638, Jan. 27; Serial No. 546,942, published Sept. 2, 1952. Class 23.

Ball Chemical Company, Pittsburgh, Pa. Paint oils, baking varnishes, tin plate lacquers, etc. 299,567, Dec. 13, 1932. Republished Jan. 27. Class 16.

Ballard & Ballard Co., Louisville, Ky. Wheat flour, including self-rising flour. 223,995, Feb. 15, 1927. Restricted. O. G. Jan. 27. Class 46.

Ballard & Ballard Company, Louisville, Ky. Wheat flour, and particularly self-rising flour. 148,992, Dec. 6, 1921. Restricted. O. G. Jan. 27. Class 46.

Barker, Edward H., doing business under the name Kitchen Queen Dishwasher Company, Los Angeles, Calif., assignor to Dish-O-Matic Inc. Non-mechanical dish washing device comprised of hose, brush mount and brush. 569,690, Jan. 27; Serial No. 611,632, published Oct. 28, 1952. Class 29.

Bear Mill Manufacturing Co., Inc., New York, N. Y. Fabrics in the piece. 569,837, Jan. 27; Serial No. 632,568. Class 42.

Beau Brummell Ties, Inc.: See—
Welsbaum Bros. Brower Co., The.

Beautykote Corporation, by Vita-Var Corporation, Newark, N. J. Ready-mixed paints, paint enamels, and varnishes. 404,191, Nov. 9, 1943. Republished Jan. 27. Class 16.

Belton Hearing Aid Company, Chicago, Ill. Electronic hearing aids and parts thereof. 569,684, Jan. 27; Serial No. 609,585, published Oct. 14, 1952. Class 44.

Beresford, James, & Son Limited, Marston Green, Birmingham, England. Pumps. 569,694, Jan. 27; Serial No. 613,899, published Sept. 16, 1952. Class 23.

Bianco, Anthony A., Inc., New York, N. Y., and Fresno, Calif. Fresh grapes, cherries, peaches, etc. 569,716, Jan. 27; Serial No. 619,291, published Nov. 4, 1952. Class 46.

Blickmore Company, The, Old Town, Maine. Household deodorant powder. 569,668, Jan. 27; Serial No. 601,252, published Nov. 4, 1952. Class 6.

Bluhner, E., Inc., Jersey City, N. J., vested in the Attorney General of the United States, Washington, D. C. Medical compound. 298,197, renewed Oct. 18, 1952. O. G. Jan. 27. Class 18.

Blitrite Motor Equipment Co., Inc., New York, N. Y. Oils and greases for motor vehicles, hydraulic brake oils, crank case oils, etc. 297,253, renewed Sept. 6, 1952. O. G. Jan. 27. Class 15.

Bird-Archer Company, The, New York, N. Y. Chemical compound. 569,718, Jan. 27; Serial No. 621,750, published Oct. 28, 1952. Class 6.

Bloom, Charles, Inc., New York, N. Y. Cretone piece goods. 298,080, renewed July 19, 1952. O. G. Jan. 27. Class 42.

Blue Magic, Inc., Ardmore, Pa. Liquid starch. 569,642, Jan. 27; Serial No. 573,622, published Oct. 30, 1951. Class 6.

Bounce, Inc., Dayton, Ohio. Foot lotion. 569,723, Jan. 27; Serial No. 622,797, published Oct. 14, 1952. Class 51.

Boysen, Walter N., Co., Oakland, Calif. Sealers used alone or admixed with paint or oil. 444,714, Aug. 12, 1952. Republished Jan. 27. Class 16.

Bradstone Rubber Company, Woodbine, N. J. Rubber heels, rubber soles, and half soles. 299,775, renewed Dec. 20, 1952. O. G. Jan. 27. Class 39.

Bradstone Rubber Company, Woodbine, N. J. Rubber heels, rubber soles, and half soles. 299,777-8, renewed Dec. 20, 1952. O. G. Jan. 27. Class 39.

Breier, Marcus, Sons, Inc., Amsterdam, N. Y. Men's and women's jackets and trousers. 569,714, Jan. 27; Serial No. 619,185, published Oct. 7, 1952. Class 39.

Brittains Limited, Cheddleton, near Leek, England. Tissue papers. 298,882, renewed Nov. 8, 1952. O. G. Jan. 27. Class 37.

Brown, Doris, doing business as The Val-Ring Chemical Company, Burbank, Calif. Chemical preparation. 569,721, Jan. 27; Serial No. 622,692, published Oct. 28, 1952. Class 52.

Brunswick-Balka-Collender Company, The, Chicago, Ill. Bowling alleys and parts thereof. 569,664, Jan. 27; Serial No. 597,321, published Nov. 4, 1952. Class 22.

Ruck Tool Company, Kalamazoo, Mich. Adaptable lathe and universal chucks. 569,679, Jan. 27; Serial No. 607,617, published Oct. 7, 1952. Class 23.

Burlington Mills Corporation, Greensboro, N. C. Men's, women's and children's hosiery. 569,639, Jan. 27; Serial No. 552,836, published Oct. 14, 1952. Class 39.

Burlington Mills Corporation, assignee: See—
National Mallinson Fabrics Corporation.

Byron Jackson Co., Los Angeles, Calif. Well tools. 569,648, Jan. 27; Serial No. 582,788, published Aug. 19, 1952. Class 23.

Cahill, Joseph A., doing business under the name of Cahill Manufacturing Co., New York, N. Y. Can openers. 569,809, Jan. 27; Serial No. 624,066. Class 23.

Cahill Manufacturing Co.: See—
Cahill, Joseph A.

Calced Products Company, Inc., Brentwood, Md. Pharmaceutical preparations. 372,376, Oct. 31, 1939. Republished Jan. 27. Class 51.

Calced Products Company, Inc., Brentwood, Md. Shaving soap and soap preparations. 373,989, Dec. 26, 1939. Republished Jan. 27. Class 51.

Calced Products Company, Inc., Brentwood, Md. Detergents. 405,860, Feb. 29, 1944. Republished Jan. 27. Class 52.

California Redwood Association, San Francisco, Calif. Lumber. 299,575, renewed Dec. 13, 1952. O. G. Jan. 27. Class 12.

Casco Products Corporation, Bridgeport, Conn. Electric heating pads for therapeutic use. 569,688, Jan. 27; Serial No. 611,472, published Oct. 14, 1952. Class 44.

Central Soya Company, Inc., Fort Wayne, Ind. Commercial livestock and poultry feeds and feed-concentrates. 569,778, Jan. 27; Serial No. 570,094. Class 46.

Chaffee, T. L., assignee: See—
Gold Bond Manufacturing Company.

Chicago Belting Company, to Chicago Belting Company, Chicago, Ill. Leather belting. 90,968, re-renewed Apr. 8, 1953. O. G. Jan. 27. Class 35.

Chicago Specialty Manufacturing Co., Chicago, Ill. Faucet replacement handles, water closet tank ball valves, etc. 569,821, Jan. 27; Serial No. 605,843. Class 13.

Christian, Joseph D., San Francisco, Calif. Heat exchanging equipment. 569,687, Jan. 27; Serial No. 611,401, published Sept. 16, 1952. Class 34.

Circé Foundations, Inc., New York, N. Y. Brassières, girdles, panties, etc. 569,800, Jan. 27; Serial No. 621,101. Class 39.

Clayton & Lambert Manufacturing Company, Louisville, Ky. Ducts, pipes and fittings for air-conditioning systems and for forced-flow air heating systems, etc. 569,699, Jan. 27; Serial No. 615,970, published Nov. 4, 1952. Class 34.

Clements Mfg. Co., Chicago, Ill. Electric portable vacuum cleaners. 383,677, Dec. 17, 1940. Republished Jan. 27. Class 21.

Clements Mfg. Co., Chicago, Ill. Portable, electrically operated vacuum cleaners and hand blowers. 384,491, Jan. 21, 1941. Republished Jan. 27. Class 21.

Coleman Company, Inc., The: See—
Coleman Lamp and Stove Company, The.

Coleman Lamp and Stove Company, The, to The Coleman Company, Inc., Wichita, Kans. Gasoline fuel burning lamps and lanterns. 300,983, renewed Feb. 14, 1953. O. G. Jan. 27. Class 34.

Colonial Mills, Inc., New York, N. Y. now by change of name Robbins Mills, Inc. Piece goods. 569,644, Jan. 27; Serial No. 579,286, published Nov. 4, 1952. Class 42.

Columbus Plastic Products, Inc., Columbus, Ohio. Combination cheese slicers and storage containers, and spoon-type kitchen scoops. 569,673, Jan. 27; Serial No. 602,599, published Oct. 14, 1952. Class 28.

Consolidated Lobster Company, Inc., Gloucester, Mass. Live lobsters and cooked lobsters. 299,104, renewed Nov. 22, 1952. O. G. Jan. 27. Class 46.

Cromar Company, The: See—
Crooks-Dittmar Co.

Crooks-Dittmar Co., by The Cromar Company, Williamsport, Pa. Wood flooring. 138,602, Jan. 4, 1921. Republished Jan. 27. Class 12.

Crown Overall Manufacturing Company, The, doing business as Larned, Carter & Company, Cincinnati, Ohio. Overalls and work clothes. 569,655, Jan. 27; Serial No. 588,083, published Oct. 14, 1952. Class 39.

Deikote, Inc., Wilmington, Del. Resin and varnish coatings. 569,822, Jan. 27; Serial No. 607,620. Class 16.

Deming Company, The, Salem, Ohio. Water systems. 569,696, Jan. 27; Serial No. 614,838, published Oct. 21, 1952. Class 23.

Dependon Asphaltum Roofing Co., by Dependon Roofing Co., Chicago, Ill. Prepared roofing of all kinds. 221,159, Nov. 23, 1926. Republished Jan. 27. Class 12.

Dependon Roofing Co.: See—
Dependon Asphaltum Roofing Co.

Dewatex Manufacturing Corporation, New York, N. Y. Waterproof asbestos siding and shingle finish paints. 569,782, Jan. 27; Serial No. 576,526. Class 16.

Dish-O-Matic Inc., assignee: See—
Barker, Edward H.

Distribuidora Nacional De Frutas: See—
Ferrocaril Nord Este Argentino.

Dodge & Olcott, Inc., New York, N. Y. Essential oils; concentrated citrus oils; terpeneless oils, etc. 569,693, Jan. 27; Serial No. 613,064, published Nov. 4, 1952. Class 6.

Donley Tool Co., Boise, Idaho. Insect teeth for power saws. 569,816, Jan. 27; Serial No. 626,677. Class 23.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 569,744, Jan. 27; Serial No. 596,783, published Nov. 4, 1952. Class 12.

Douglas Fir Plywood Association, Tacoma, Wash. Plastic-faced plywood. 569,775, Jan. 27; Serial No. 605,783, published Nov. 4, 1952. Class 12.

Downs, Thomas F., Springfield, Mass. Gas water heater. 569,689, Jan. 27; Serial No. 611,566, published Sept. 16, 1952. Class 34.

Drake Publishing Company, Chicago, Ill. Periodical. 569,832, Jan. 27; Serial No. 617,652. Class 38.

Dumari Textile Co., Inc., New York, N. Y. Cotton piece goods. 569,811, Jan. 27; Serial No. 625,003. Class 42.

Dunbar Glass Corporation, Dunbar, W. Va. Glass lamp chimneys; glass candlesticks; glass shapes, etc. 569,678, Jan. 27; Serial No. 607,323, published Sept. 23, 1952. Class 34.

Duncan, Donald F., Inc., to Donald F. Duncan, Inc., Chicago, Ill. Bandelore toy spinning tops. 300,604, renewed Jan. 24, 1953. O. G. Jan. 27. Class 22.

Duresco Products Limited: See—
Silicate Paint Company J. B. Orr and Company Limited, The.

Dustet Service Corporation, Muncie, Ind. Rental of dust cloths and dust mops. 569,767, Jan. 27; Serial No. 617,604, published Nov. 4, 1952. Class 100.

Dy-Dee Wash of Washington, Inc., Washington, D. C. Diaper rental service. 569,770, Jan. 27; Serial No. 626,370, published Nov. 4, 1952. Class 100.

Eagle Clothes, Inc., New York, N. Y. Men's clothing. 569,754-5, Jan. 27; Serial Nos. 628,929-30, published Oct. 7, 1952. Class 39.

Easy Method Auto Driver Training School Inc., Washington, D. C. Auto driver training. 569,772, Jan. 27; Serial No. 628,680, published Nov. 4, 1952. Class 107.

El Dorado Oil Works, San Francisco, Calif. Plasticizers. 569,738, Jan. 27; Serial No. 625,526, published Oct. 28, 1952. Class 6.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage batteries and their parts. 569,897, Jan. 27; Serial No. 614,656, published Oct. 21, 1952. Class 21.

Electrol Incorporated, Kingston, N. Y. Magazine. 569,829, Jan. 27; Serial No. 616,598. Class 38.

Elliot, Charles K., doing business under the name and style of Wint-A-Green, New York, N. Y. Cigarettes. 569,810, Jan. 27; Serial No. 624,460. Class 17.

F. & M. Importing Co., Inc., Los Angeles, Calif. Canned fish, canned fruits, canned vegetables, etc. 298,422, renewed Oct. 25, 1952. O. G. Jan. 27. Class 46.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Fountain pens, ball point pens, mechanical pencils, etc. 569,797, Jan. 27; Serial No. 620,202. Class 37.

Feller-Jones Corporation, New York, N. Y. Cleaner fluid. 569,659, Jan. 27; Serial No. 593,061, published Oct. 28, 1952. Class 52.

Fenwal Incorporated, Ashland, Mass. Thermal responsive apparatus comprising a thermostatic switch. 569,792, Jan. 27; Serial No. 602,938. Class 26.

Ferrocaril Nord Este Argentino, to Distribuidora Nacional De Frutas, Buenos Aires, Argentina. Fresh vegetables. 290,325, renewed Jan. 5, 1952. O. G. Jan. 27. Class 46.

Fiat Società per Azioni, Turin, Italy. Rail vehicles, road vehicles, and airplanes. 569,676, Jan. 27; Serial No. 604,691, published Sept. 23, 1952. Class 19.

Field and Flint Co., Brockton, Mass. Boots and shoes. 298,814, renewed Nov. 8, 1952. O. G. Jan. 27. Class 39.

Florida Fashions Inc., New York, N. Y. Women's dresses. 569,807, Jan. 27; Serial No. 623,244. Class 39.

Folsom Co., The, Dallas, Tex. Gas burning space heaters. 569,732, Jan. 27; Serial No. 624,452, published Sept. 30, 1952. Class 34.

Freydberg Bros. Strauss, Inc.: See—
Freydberg Brothers, Incorporated.

Freydberg Brothers, Incorporated, New York, N. Y., to Freydberg Bros. Strauss, Inc., Stamford, Conn. Ribbon composed of cellulose composition material for typing packages. 301,640, renewed Mar. 7, 1953. O. G. Jan. 27. Class 7.

Friedman, Cyrus, doing business as Low Count Manufacturing Company, Portland, Ore. Liquid sodium hypochlorite. 569,680, Jan. 27; Serial No. 607,987, published Nov. 4, 1952. Class 6.

Fyr-Fyter Company, The, Dayton, Ohio. Inspection, maintenance, and repair service. 569,771, Jan. 27; Serial No. 627,442, published Nov. 4, 1952. Class 103.

O & K Corporation, doing business as Gross Brothers and Krolicks, Minneapolis, Minn. Dry cleaning of wearing apparel. 569,762, Jan. 27; Serial No. 554,559, published Nov. 4, 1952. Class 103.

Gardner, F. B., Co., Inc., Los Angeles, Calif. Louver dampers, right angle dampers, round dampers, etc. 569,666, Jan. 27; Serial No. 600,430, published Oct. 28, 1952. Class 34.

Garod Radio Corporation, New York, N. Y. Radio receiving sets, television receiving sets, automatic electric phonographs, etc. 569,709, Jan. 27; Serial No. 618,572, published Sept. 23, 1952. Class 21.

General Controls Co., Glendale, Calif. Controller for adjusting the damper of a gas burning furnace. 569,667, Jan. 27; Serial No. 600,431, published Oct. 28, 1952. Class 34.

General Electric Company: See—
Trumbull Electric Manufacturing Company, The.

General Tire & Rubber Company, The: See—
India Tire and Rubber Company.

Gerber, Dr. Albert, Berne, Canton of Berne, Switzerland. Articulators. 569,700, Jan. 27; Serial No. 616,029, published Oct. 14, 1952. Class 44.

Gerson-Stewart Corporation Company, The, Cleveland, Ohio. Penetrating wood floor surface sealer. 569,794, Jan. 27; Serial No. 604,527. Class 16.

Gilbert Paper Company, Menasha, Wis. Bond and safety paper. 300,156, renewed Jan. 10, 1953. O. G. Jan. 27. Class 37.

Givlemme, S. A., Milano, Italy. Perfumes and toilet water. 569,777, Jan. 27; Serial No. 566,077. Class 51.

Gloekler, Hugo, New York, N. Y. Fluid filled, plastic, form fitting and light weight container with fluid sealed therein and used as a hot and cold pack for comfort and therapeutic purposes. 569,712, Jan. 27; Serial No. 618,927, published Oct. 14, 1952. Class 44.

Glovecraft, Inc., Johnstown, N. Y. Ladies' and men's leather gloves. 300,517, renewed Jan. 24, 1953. O. G. Jan. 27. Class 39.

Gold Bond Manufacturing Company, assignor to T. L. Chaffee, Millersport, Ohio. Automobile polish. 569,643, Jan. 27; Serial No. 578,205, published Nov. 4, 1952. Class 4.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Hose composed wholly or principally of rubber. 569,745, Jan. 27; Serial No. 627,813, published Nov. 4, 1952. Class 35.

Gotham Hosiery Company, Inc.: See—
Gotham Silk Hosiery Company, Inc.

Gotham Silk Hosiery Company, Inc., by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 300,499, Jan. 24, 1933. Republished Jan. 27. Class 39.

Greenebaum, Max, New York, N. Y., to American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 90,804, re-renewed Mar. 25, 1953. O. G. Jan. 27. Class 37.

Gross Brothers and Kronicks: See—
G & K Corporation.

Guyot, Maurice, St. Maur-des-Fosses (Seine), France. Bicycles, motorcycles. 569,717, Jan. 27; Serial No. 621,459, published July 15, 1952. Class 19.

Hamilton Kent Manufacturing Company, Kent, Ohio. Gaskets. 569,726, Jan. 27; Serial No. 623,658, published Nov. 4, 1952. Class 35.

Handling, K. & Son, Chicago, Ill. Leather. 297,265, renewed Sept. 6, 1952. O. G. Jan. 27. Class 1.

Haram, S. A.: See—
Haram, Sevrin A.

Haram, Sevrin A., doing business as S. A. Haram, New York, N. Y. Bread. 299,584, renewed Dec. 13, 1952. O. G. Jan. 27. Class 46.

Harris, Leo, New York, N. Y. Used automobiles, used motor trucks, used motor buses, etc. 569,779, Jan. 27; Serial No. 572,176. Class 19.

Heath-Sweetser-Brooks Corp.: See—
Heath-Sweetser, Inc.

Heath-Sweetser, Inc., New York, N. Y., to Heath-Sweetser-Brooks Corp., Philadelphia, Pa., and New York, N. Y. Men's and boys' shirts. 302,195, renewed Apr. 4, 1953. O. G. Jan. 27. Class 39.

Heller Company, The, Cleveland, Ohio. Fastening elements, namely staples. 569,784, Jan. 27; Serial No. 589,092. Class 13.

Herts Drivervest System, Inc., Pontiac, Mich. Rental of automobiles and trucks. 569,760, Jan. 27; Serial No. 537,455, published Nov. 4, 1952. Class 105.

Heyden Chemical Corporation, to Heyden Chemical Corporation, New York, N. Y. Medicinal preparation. 295,135, renewed June 21, 1952. O. G. Jan. 27. Class 18.

Hill, Thomson & Co., to Hill, Thomson & Co. Limited, Edinburgh, Scotland. Scotch whisky. 39,438, re-renewed Dec. 9, 1952. O. G. Jan. 27. Class 49.

Hill, Thomson & Co. Limited: See—
Hill, Thomson & Co.

Hofheimer Brothers Company, to Hofheimer's, Inc., Norfolk, Va. Leather, rubber and cloth boots and shoes. 89,259, re-renewed Dec. 3, 1952. O. G. Jan. 27. Class 39.

Hofheimer's, Inc.: See—
Hofheimer Brothers Company.

Hofheimer Brothers Company, Racine, Wis. Frozen malted milk mix. 569,826, Jan. 27; Serial No. 612,545. Class 46.

Horvath Anton, Fort Myers, Fla. Applying imitation stone facings to walls, etc. 569,765, Jan. 27; Serial No. 609,650, published Nov. 4, 1952. Class 103.

Howe-Lewis, Inc., Los Angeles, Calif. Preparation for perfuming and softening the water of the bath. 569,662, Jan. 27; Serial No. 594,900, published Nov. 4, 1952. Class 51.

Hobbs Shoe Company, Incorporated, Rochester, N. H. Shoes. 569,788, Jan. 27; Serial No. 599,174. Class 39.

Hunt Foods, Inc., Fullerton, Calif. Canned fruits; canned vegetables; canned tuna fish; etc. 569,818, Jan. 27; Serial No. 629,202. Class 46.

Hunt, Rodney, Machine Co., Orange, Mass. Evaporators. 569,748, Jan. 27; Serial No. 628,127, published Oct. 28, 1952. Class 34.

India Tire and Rubber Company, Akron and Mogadore, to The General Tire & Rubber Company, Akron, Ohio. Resilient tires. 299,758, renewed Dec. 20, 1952. O. G. Jan. 27. Class 35.

Industrial Engineering Drafting Co.: See—
Rodriguez, Joseph M., Jr.

Industrial Gloves Company, Danville, Ill. Finger cots. 569,834, Jan. 27; Serial No. 618,042. Class 39.

Irving Air Chute Co., Inc., Buffalo, N. Y. Parachute equipment. 569,636, Jan. 27; Serial No. 523,031, published Oct. 7, 1952. Class 19.

Johns-Manville Corporation, New York, N. Y. Asbestos-cement pipe couplings. 569,641, Jan. 27; Serial No. 574,037, published Oct. 28, 1952. Class 12.

Johnson, S. C., & Son, to S. C. Johnson & Son, Inc., Racine, Wis. Wax and lacquer. 300,874, renewed Feb. 14, 1953. O. G. Jan. 27. Class 4.

Johnson, S. C., & Son, to S. C. Johnson & Son, Inc., Racine, Wis. Polishing wax. 301,319, renewed Feb. 28, 1953. O. G. Jan. 27. Class 4.

Johnson, S. C., & Son, Inc.: See—
Johnson, S. C., & Son.

LIST OF REGISTRANTS OF TRADE-MARKS

Johnston, Margaret W., Fort Worth, Tex. Children's jackets, children's overalls, and children's boxer shorts. 569,683, Jan. 27; Serial No. 609,482, published Oct. 7, 1952. Class 39.

Kaimbach Publishing Co., Milwaukee, Wis. Periodical publication. 569,808, Jan. 27; Serial No. 623,468. Class 38.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Soap, soap chips, and soap flakes. 297,866, Oct. 4, 1952. Republished Jan. 27. Class 32.

Kitchen Queen Dishwasher Company: See—
Barker, Edward H.

Knapp-Monarch Company, St. Louis, Mo. Electrical appliances. 569,706, Jan. 27; Serial No. 617,843, published Sept. 23, 1952. Class 21.

Kress, S. H., and Company, New York, N. Y. Handy bandages, absorbent cotton and cuticle sticks. 569,743, Jan. 27; Serial No. 627,194, published Nov. 4, 1952. Class 44.

Kruse, Virgil H., doing business as The Menecraft Company, Evanston, Ill. Partially printed and/or ornamented menu covers and folders, etc. 569,671, Jan. 27; Serial No. 601,738, published Oct. 21, 1952. Class 37.

Kruse, Virgil H., doing business as The Menecraft Company, Evanston, Ill. Partially printed and/or ornamented menu covers and folders, etc. 569,672, Jan. 27; Serial No. 601,740, published Oct. 21, 1952. Class 37.

Kurtzman Brothers, Los Angeles, Calif. Men's suits, and topcoats. 569,749, Jan. 27; Serial No. 628,282, published Oct. 7, 1952. Class 39.

Leggies Co.: See—
Walbridge, Norton S.

Lewis, A. D.: See—
Williams, James P.

Liberty Glass Company, Sapulpa, Okla. Glass milk and beverage bottles. 569,783, Jan. 27; Serial No. 579,106. Class 33.

Liggett Spring and Axle Co., Monongahela, Pa. Leaf springs, together with component parts, such as clips, bushings, etc., for use as replacement parts on all makes of automobiles, etc. 569,645, Jan. 27; Serial No. 581,072, published Sept. 16, 1952. Class 19.

Little, H. C., Burner Co., Inc., San Rafael, Calif. Oil burners, floor furnaces, basement furnaces, etc. 569,656, Jan. 27; Serial No. 592,113, published Sept. 23, 1952. Class 34.

Low Cost Manufacturing Company: See—
Friedman, Cyrus.

Lowe, Joe, Corporation: See—
Popsicle Corporation of the United States, The.

Lowe, Joe, Corporation, New York, N. Y. Albumen (egg), edible corn starch, potato starch, etc. 299,518, Dec. 6, 1932. Republished Jan. 27. Class 46.

Loxit Systems, Inc., Chicago, Ill. Metal chalk troughs, head and maulion trim channels, and metal end stops. 569,653, Jan. 27; Serial No. 586,179, published Oct. 28, 1952. Class 12.

Lusterized Service Co., Spokane, Wash. Chemical cleaning fluid and a powdered cleaning preparation. 569,692, Jan. 27; Serial No. 612,696, published Oct. 28, 1952. Class 32.

Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Percussion musical instruments. 569,817, Jan. 27; Serial No. 628,820. Class 36.

MacVeagh, Franklin, and Company, Chicago, Ill. Canned vegetables, canned fruits, evaporated fruits, etc. 91,001, re-renewed Apr. 8, 1953. O. G. Jan. 27. Class 46.

Market Trend Research: See—
McMichael, George C.

Matheson Alkali Works, Inc., The, New York, N. Y., to Matheson Chemical Corporation, Baltimore, Md. Technical grade calcium hypochlorite. 300,702, renewed Jan. 31, 1953. O. G. Jan. 27. Class 6.

Matheson Chemical Corporation: See—
Matheson Alkali Works, Inc., The.

Mavest Inc., New York, N. Y. Men's sport jackets, suits, and coats. 569,744, Jan. 27; Serial No. 627,207, published Oct. 7, 1952. Class 39.

May Department Stores Company, The: See—
Kaufmann Department Stores, Inc.

McMichael, George C., doing business under the name Market Trend Research, Boston, Mass. Market bulletins. 569,803, Jan. 27; Serial No. 621,892. Class 38.

McQuay, Inc., Minneapolis, Minn. Individually controlled air conditioning units. 569,686, Jan. 27; Serial No. 610,447, published Sept. 30, 1952. Class 34.

Menecraft Company, The: See—
Kruse, Virgil H.

Metcalf Brothers & Co., assignor to Metcalf Brothers & Co., Inc., New York, N. Y. Woolen and worsted piece goods. 569,708, Jan. 27; Serial No. 618,361, published Nov. 4, 1952. Class 42.

Metcalf Brothers & Co., Inc., assignee: See—
Metcalf Brothers & Co.

Met-L-Glas Corporation, Seattle, Wash. Sectional tubular thermal insulating members for conduits. 569,677, Jan. 27; Serial No. 607,228, published Oct. 28, 1952. Class 12.

Michaels Bros., to Michaels Brothers, Inc., Brooklyn, N. Y. Refrigerators. 298,337, renewed Oct. 25, 1952. O. G. Jan. 27. Class 31.

Michaels Brothers, Inc.: See—
Michaels Bros.

Michigan Oven Company, Detroit, Mich. Insulated ovens. 569,725, Jan. 27; Serial No. 623,312, published Oct. 28, 1952. Class 34.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape and gummed cloth tape. 569,801, Jan. 27; Serial No. 621,159. Class 6.

Mining Progress Inc., Woodbury, N. Y. Mining coal planers, mining chutes, mining conveyors, etc. 569,651, Jan. 27; Serial No. 583,656, published Oct. 21, 1952. Class 23.

Miron Mills, Inc., Clinton, Mass. Wool fabrics. 569,805, Jan. 27; Serial No. 622,397. Class 42.

Model Shoe Company, Cincinnati, Ohio. Children's shoes. 569,787, Jan. 27; Serial No. 598,027. Class 39.

Modigliani Company, Inc., Los Angeles, Calif. Mop heads. 569,750, Jan. 27; Serial No. 628,287, published Oct. 28, 1952. Class 29.

Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Textile, woven, woolen rugs, and carpets. 569,838, Jan. 27; Serial No. 634,33. Class 42.

Morria & Company, Inc., Baltimore, Md. Uniforms. 300,455, renewed Jan. 17, 1953. O. G. Jan. 27. Class 39.

Morris Fertilizer Co., Atlanta, Ga., to Armour and Company, Chicago, Ill. Fertilizer. 88,776, re-renewed Oct. 22, 1952. O. G. Jan. 27. Class 10.

Mutual Pharmaceutical Corp., The, Stamford, Conn. Drug of oxytropic factors. 569,704, Jan. 27; Serial No. 617,455, published Nov. 4, 1952. Class 18.

Naamloose Vennootschap Eau de Cologne Fabrik J. C. Boldoot, Amsterdam, Netherlands, to Naamloose Vennootschap Eau de Cologne Fabrik J. C. Boldoot, Amsterdam, Holland. Perfumery, eau-de-cologne, toilet creams, etc. 298,707, renewed Nov. 1, 1952. O. G. Jan. 27. Class 31.

National Association Domestic and Farm Pump Manufacturers, Chicago, Ill. Water systems. 569,773, Jan. 27; Serial No. 567,120, published Oct. 21, 1952. Class 23.

National Aircraft Manufacturing Co., Orlando, Fla. Ornamental fender welt trim for automotive vehicles. 569,791, Jan. 27; Serial No. 602,707. Class 19.

National Mallinson Fabrics Corporation, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Fabrics in the piece. 569,736, Jan. 27; Serial No. 625,433, published July 1, 1952. Class 42.

National Office Management Association, Philadelphia, Pa. Periodical. 569,825, Jan. 27; Serial No. 611,103. Class 38.

National Shirt Shops, Inc., to National Shirt Shops of Delaware, Inc., New York, N. Y. Men's dress, negligee, and work shirts, underwear, and pajamas. 297,146, renewed Sept. 6, 1952. O. G. Jan. 27. Class 39.

National Shirt Shops of Delaware, Inc.: See—
National Shirt Shops, Inc.

National Silver Company, New York, N. Y. Serving trays, cake trays, relish dishes, etc. 569,789, Jan. 27; Serial No. 599,521. Class 13.

National Tank Company, Tulsa, Okla. Equipment particularly adapted for use in oil and gas fields. 569,702, Jan. 27; Serial No. 616,115, published Nov. 4, 1952. Class 34.

Naugatuck Chemical Company, The, by United States Rubber Company, New York, N. Y. Rubber adhesive. 298,292, Oct. 18, 1932. Republished Jan. 27. Class 5.

Neatform Co., Inc., The, New York, N. Y. Foundation garments, corsets, and girdles. 569,830, Jan. 27; Serial No. 616,864. Class 39.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn. Wheat-flour. 47,195, Oct. 31, 1905. Restricted. O. G. Jan. 27. Class 46.

Odin Stove Manufacturing Company, Erie, Pa. Gas stoves and ranges. 298,413, renewed Oct. 25, 1952. O. G. Jan. 27. Class 34.

Old Colony Envelope Company, Westfield, Mass. Writing paper and correspondence and mailing envelope. 569,785, Jan. 27; Serial No. 589,915. Class 37.

Oren Company, Columbus, Ohio. Floor furnaces. 569,646, Jan. 27; Serial No. 581,887, published Sept. 30, 1952. Class 34.

Orchard Products Co., Chicago, Ill. Fruit flavored, chocolate flavored, and butterscotch flavored preparations. 569,820, Jan. 27; Serial No. 605,758. Class 46.

Ozark-Mahoning Company, Tulsa, Okla. Submerged combustion burners. 569,685, Jan. 27; Serial No. 610,334, published Oct. 28, 1952. Class 34.

Pacific Intermountain Express Co., Salt Lake City, Utah, and San Francisco, Calif. Transportation by motor truck of miscellaneous freight. 569,761, Jan. 27; Serial No. 542,781, published Nov. 4, 1952. Class 105.

Pacific Moulded Products Co., Los Angeles, Calif. Thermosetting elastomer. 569,729, Jan. 27; Serial No. 623,982, published Nov. 4, 1952. Class 6.

Paragon Electric Company, Two Rivers, Wis. Synchronous electric motor operated time control switch. 569,781, Jan. 27; Serial No. 575,222. Class 26.

Park & Tilford, New York, N. Y. Perfumeries, lotions for hands and face. 301,912, renewed Mar. 21, 1953. O. G. Jan. 27. Class 31.

Parker Brothers, Inc., Salem, Mass. Game. 300,768, Feb. 7, 1933. Republished Jan. 27. Class 22.

Parks-Cramer Company, Fitchburg, Mass. Humidifiers. 569,682, Jan. 27; Serial No. 609,255, published Sept. 23, 1952. Class 34.

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Patricia Petticoat Co. Inc., The, to Rhythm Lingerie, Inc., New York, N. Y. Ladies' knitted and silk underwear. 298,372, renewed Oct. 25, 1952. O. G. Jan. 27. Class 39.

Pax Metal Corporation, Los Angeles, Calif. Finished metal building trim. 569,652, Jan. 27; Serial No. 584,636, published Oct. 28, 1952. Class 12.

Peck's Products Company, St. Louis, Mo. Soaps, compounds for washing baking pans, etc. 569,681, Jan. 27; Serial No. 609,195, published Oct. 28, 1952. Class 52.

Pendleton Woolen Mills, Portland, Oreg. Blended wool and cotton piece goods. 569,753, Jan. 27; Serial No. 628,868, published Nov. 4, 1952. Class 42.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Women's and children's shoes. 298,841, renewed Nov. 8, 1952. O. G. Jan. 27. Class 39.

Phileo Corporation: See—
Phillips Lead & Supply Co.

Phillips Lead & Supply Co., Providence, R. I., by Phileo Corporation, Philadelphia, Pa. Elbows, brass T's, unions, etc. 89,498, Dec. 17, 1912. Republished Jan. 27. Class 13.

Phillips Petroleum Company, Bartlesville, Okla. Refined, semi-refined, and unrefined oils and greases. 299,505-6, renewed Dec. 6, 1952. O. G. Jan. 27. Class 15.

Plastic Woven Products, Inc., Paterson, N. J. Hose connections, couplings, and plastic screen cloth. 569,813, Jan. 27; Serial No. 627,222. Class 13.

Podkova, Peter J., East Orange, N. J. Collating and grouping advertising copy and placing the same in newspapers, magazines, etc. 569,763, Jan. 27; Serial No. 588,185, published Nov. 4, 1952. Class 101.

Polynesian Food Specialties, Ltd., Honolulu, Hawaii. Coconut chips. 569,828, Jan. 27; Serial No. 614,465. Class 46.

Popsicle Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Frozen confections. 301,007, renewed Feb. 14, 1953. O. G. Jan. 27. Class 46.

Popsicle Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Frozen confections. 301,334, renewed Feb. 28, 1953. O. G. Jan. 27. Class 46.

Potters Supply Company, The, East Liverpool, Ohio. Potter kiln room supplies. 569,790, Jan. 27; Serial No. 602,419. Class 30.

Procter & Gamble Company, The, Cincinnati, Ohio. Compounded animal or vegetable and/or petroleum based product. 569,719, Jan. 27; Serial No. 622,123, published Sept. 23, 1952. Class 6.

Product Miniature Co., Inc., Milwaukee, Wis. Toy automobiles, tractors, wagons, and trucks. 569,724, Jan. 27; Serial No. 623,077, published Nov. 4, 1952. Class 22.

Prole & Coogan Heating Company, Pittsburgh, Pa. Gas, oil and coal fired furnaces, blowers and fans, etc. 569,654, Jan. 27; Serial No. 587,223, published Sept. 16, 1952. Class 34.

Protective Papers, Inc., Elgin and Union, Ill. Paper coated with aluminum pigment or paint. 569,833, Jan. 27; Serial No. 618,009. Class 12.

Puget Sound Broadcasting Company, Inc., Seattle, Wash. Radio program broadcasting services. 569,768, Jan. 27; Serial No. 618,401, published Nov. 4, 1952. Class 104.

Quaker State Chemical Corporation, Chalfont, Pa. Veterinary medicine. 569,698, Jan. 27; Serial No. 614,840, published Nov. 4, 1952. Class 18.

Quikut Inc., Fremont, Ohio. Kitchen cutlery. 569,670, Jan. 27; Serial No. 601,640, published Aug. 26, 1952. Class 23.

Ralston Purina Company, St. Louis, Mo. Chicken feed. 90,837, re-renewed Mar. 25, 1953. O. G. Jan. 27. Class 46.

Ralston Purina Company, St. Louis, Mo. Baked rye flour product. 301,836, renewed Mar. 14, 1953. O. G. Jan. 27. Class 46.

Ramsay, Inc., New York, N. Y. Ladies' suits, coats, and tappers. 569,827, Jan. 27; Serial No. 614,314. Class 39.

Realistic Company, The, Cincinnati, Ohio. Preparation for use in hair waving. 569,746, Jan. 27; Serial No. 628,124, published Nov. 4, 1952. Class 51.

Reda Pump Company, Bartlesville, Okla. Melting furnaces. 569,747, Jan. 27; Serial No. 628,126, published Oct. 14, 1952. Class 34.

Rentways Inc., New York, N. Y. Truck renting service. 569,769, Jan. 27; Serial No. 623,477, published Nov. 4, 1952. Class 105.

Rhineland Paper Company, Rhineland, Wis. Grease-proof paper. 569,776, Jan. 27; Serial No. 533,618. Class 37.

Rhythm Lingerie, Inc.: See—
Patricia Petticoat Co. Inc., The.

Richfield Oil Corporation of New York, New York, N. Y. Petroleum products. 298,352, renewed Oct. 25, 1952. O. G. Jan. 27. Class 15.

Richfield Oil Corporation of New York, New York, N. Y. Petroleum products. 299,391, renewed Dec. 6, 1952. O. G. Jan. 27. Class 15.

Richfield Oil Corporation, Los Angeles, Calif. Asphalt, protective coatings. 569,647, Jan. 27; Serial No. 581,895, published Nov. 4, 1952. Class 12.

Ristline, George N., trading under the name Sure-Snude Fish Hook Co., Philadelphia, Pa. Fish hook, fishing line and fishing tackle sounder spreader, bottom rigs, etc. 569,649, Jan. 27; Serial No. 583,364, published Nov. 4, 1952. Class 22.

Ristline, George N., trading under the name Sure-Snude Fish Hook Co., Philadelphia, Pa. Fish hooks, bottom rigs, surf rigs, etc. 569,650, Jan. 27; Serial No. 583,365, published Nov. 4, 1952. Class 22.

Robbin, Meyer, doing business as Robbin Products, Los Angeles, Calif. Friction cigarette lighters. 569,799, Jan. 27; Serial No. 620,624. Class 8.

Robbin Products: See—
Robbin, Meyer.

Robbins Mills, Inc.: See—
Colonial Mills, Inc.

Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined pilot and main burner gas valves, and pilot burners. 569,742, Jan. 27; Serial No. 620,416, published Sept. 16, 1952. Class 34.

Rodriguez, Arturo P., Puebla del Caraminal, (Coruna), Spain. Canned fish; fresh and canned shellfish; canned and/or bottled anchovies, etc. 569,786, Jan. 27; Serial No. 592,723. Class 46.

Rodriguez, Joseph M., Jr., doing business as Industrial Engineering Drafting Co., Brooklyn, N. Y. Drawing industrial maps to specification. 569,839, Jan. 27; Serial No. 587,601. Class 100.

Rosenblatt and Kahn, Inc., New York, N. Y. Children's coats, snow suits, suits, etc. 569,691, Jan. 27; Serial No. 612,417, published Oct. 7, 1952. Class 39.

Round Oak Company, Inc. of Indiana, Dowagiac, Mich. Hot air furnaces, oil burners and blowers therefor. 569,731, Jan. 27; Serial No. 624,158, published Sept. 30, 1952. Class 34.

Rutenberg, Harry, Brooklyn, N. Y. Women's and misses' skirts, blouses, dresses, etc. 569,814, Jan. 27; Serial No. 628,308. Class 39.

S & S International Corporation, New York, N. Y. Automotive engine parts. 569,707, Jan. 27; Serial No. 618,128, published Sept. 16, 1952. Class 21.

Sabel, Isadore, Philadelphia, Pa., to Thompson Bros. Shoe Co., Brockton, Mass. Corrective shoes. 296,764, renewed Aug. 23, 1952. O. G. Jan. 27. Class 44.

Sabo, Mary C., Detroit, Mich. Mittens. 569,812, Jan. 27; Serial No. 625,695. Class 39.

Sales Affiliates, Inc., New York, N. Y. Waving lotion. 569,701, Jan. 27; Serial No. 616,031, published Oct. 28, 1952. Class 51.

Sapollin Paints Inc., New York, N. Y. Enamel paint. 569,819, Jan. 27; Serial No. 620,628. Class 16.

Schmeta Needle Corporation, New York, N. Y. Sewing machine needles. 569,730, Jan. 27; Serial No. 624,052, published Oct. 28, 1952. Class 23.

Schweitzer, Peter J., Inc., New York, N. Y. Cigarette paper booklets. 569,802, Jan. 27; Serial No. 621,788. Class 8.

Scott, O. M., & Sons Company, Marysville, Ohio. Chemical preparation. 569,739, Jan. 27; Serial No. 625,634, published Oct. 28, 1952. Class 6.

Silicate Paint Company J. B. Orr and Company Limited, The, by Duresco Products Limited, London, England. Water-paint. 88,598, Oct. 1, 1912. Republished Jan. 27. Class 16.

Simpson Logging Company, Seattle, Wash. Plywood, doors, hardwood faced panels, etc. 569,675, Jan. 27; Serial No. 604,236, published Nov. 4, 1952. Class 12.

Singer Manufacturing Co., The, New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machines and sewing-machine attachments and parts thereof. 39,791, re-renewed Feb. 10, 1953. O. G. Jan. 27. Class 23.

Singer Manufacturing Company, The: See—
Singer Manufacturing Co., The.

Smith Bros. & Hughes, San Diego, Calif. Welding tips and inserts. 569,711, Jan. 27; Serial No. 618,716, published Oct. 28, 1952. Class 34.

Smith, Joseph C., Inc., New York, N. Y. Hosiery. 569,722, Jan. 27; Serial No. 622,766, published Nov. 4, 1952. Class 39.

Solvay & Cie., Brussels, Belgium. Insecticides, insect repellents and disinfectants. 569,734, Jan. 27; Serial No. 625,044, published Oct. 28, 1952. Class 6.

Southern Farmer, Inc.: See—
Times Publishing Co.

Southwest Hardware Company, Los Angeles, Calif. Rollers. 569,763, Jan. 27; Serial No. 604,498. Class 38.

Spaulding-Moss Company, Boston, Mass. Sensitized paper. 569,824, Jan. 27; Serial No. 610,593. Class 26.

Squillante, Vincent J., Inc., New York, N. Y. Fresh grapes. 569,815, Jan. 27; Serial No. 628,370. Class 46.

Stamats Publishing Company, Cedar Rapids, Iowa. Publication. 569,804, Jan. 27; Serial No. 622,129. Class 38.

Stanislaus Food Products Company, Modesto, Calif. Canned tomatoes. 569,835, Jan. 27; Serial No. 631,693. Class 46.

Stevens, J. P., & Co., Inc., New York, N. Y. Sheetting, sheets and pillow cases. 569,757, Jan. 27; Serial No. 631,324, published Nov. 4, 1952. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

- Stillier, Benjamin, Akron, Ohio. Key case. 569,669, Jan. 27; Serial No. 601,287, published July 24, 1951. Class 3.
- Summit Sportswear Company, Boston, Mass. Ladies' and misses' skirts. 569,806, Jan. 27; Serial No. 622,855. Class 39.
- Sure-Snude Fish Hook Co.: See—
Ristline, George N.
- Tessuti Artificiel Fortuny S. A., Venice, Italy. Textile fabrics. 569,733, Jan. 27; Serial No. 624,508, published Nov. 4, 1952. Class 42.
- Thompson Bros. Shoe Co.: See—
Sabel, Isadore.
- Times Publishing Co., to Southern Farmer, Inc., Montgomery, Ala. Periodical. 286,152, renewed Aug. 18, 1951. O. G. Jan. 27. Class 38.
- Trans-Arabian Pipe Line Company, New York, N. Y. Delivery trucks, oil trucks, buses, and trailers. 569,695, Jan. 27; Serial No. 614,320, published Sept. 16, 1952. Class 19.
- Trumbull Electric Manufacturing Company, The, Plainville, Conn., to General Electric Company, Schenectady, N. Y. Electrical power distribution switch boards, panel boards, safety switches, etc. 297,432, renewed Sept. 13, 1952. O. G. Jan. 27. Class 21.
- Union Metal Manufacturing Company, The, Canton, Ohio. Rolled or pressed, straight or tapered, plain or fluted, metal pipes, tubes, and poles. 301,601, renewed Mar. 7, 1953. O. G. Jan. 27. Class 13.
- United States Gauge Company, New York, N. Y. Gauges. 299,298, Nov. 29, 1932. Amended. O. O. Jan. 27. Class 26.
- United States Rubber Company: See—
Nauvutuck Chemical Company, The.
- United States Rubber Company, New York, N. Y. Rubber covered wire for electrical use. 298,481, Oct. 25, 1932. Republished Jan. 27. Class 21.
- United States Rubber Company, New York, N. Y. Belts of rubber and fabric. 298,686, Nov. 1, 1932. Republished Jan. 27. Class 35.
- U. S. Vitamin Corporation, New York, N. Y. Water-miscible cream containing pantothenyl alcohol. 569,705, Jan. 27; Serial No. 617,593, published Nov. 4, 1952. Class 18.
- United World Films, Inc., New York, N. Y. Silent motion picture films and sound-reproducing motion picture films. 569,780, Jan. 27; Serial No. 574,475. Class 26.
- Val-Ring Chemical Company, The: See—
Brown, Doris.
- Van Cleef Bros., Inc., Chicago, Ill. Rubber tube patches and rubber tube repair gums. 569,674, Jan. 27; Serial No. 604,171, published Nov. 4, 1952. Class 35.
- Vanity Fair Mills, Inc.: See—
Vanity Fair Silk Mills.
- Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Knitted and textile underwear and hosiery. 298,455, renewed Oct. 25, 1952. O. G. Jan. 27. Class 39.
- Vita-Var Corporation: See—
Beautykote Corporation.
- Wagner, Ivanna, Los Angeles, Calif. Men's, women's, and children's clothing. 569,660-1, Jan. 27; Serial Nos. 593,148-9, published Oct. 14, 1952. Class 39.
- Walbridge, Norton S., doing business as Leggies Co., Detroit, Mich. Cream toilet preparation. 569,727-8, Jan. 27; Serial Nos. 623,860-1, published Oct. 28, 1952. Class 51.
- Walker Laboratories, Inc., Mount Vernon, N. Y. Pharmaceutical compound. 569,751, Jan. 27; Serial No. 628,601, published Nov. 4, 1952. Class 18.
- Weatherby, Clyde, Company: See—
Weatherby, Clyde.
- Weatherby, Clyde, doing business as Clyde Weatherby Company, Hamilton, Tex. Merchandising service rendered to merchants and their customers. 569,766, Jan. 27; Serial No. 613,033, published Nov. 4, 1952. Class 101.
- Weevil-Cide Company, The, Kansas City, Mo. Insecticidal spray. 569,759, Jan. 27; Serial No. 632,185, published Nov. 4, 1952. Class 9.
- Weisbaum Bros. Brower Co., The, to Beau Brummell Tiles, Inc., Cincinnati, Ohio. Neckties. 301,264, renewed Feb. 21, 1953. O. G. Jan. 27. Class 39.
- West Disinfecting Company, Long Island City, N. Y. Cleaning preparations. 297,596, renewed Sept. 20, 1952. O. G. Jan. 27. Class 4.
- West Disinfecting Company, Long Island City, N. Y. Spray. Build deodorant. 569,735, Jan. 27; Serial No. 625,159, published Oct. 28, 1952. Class 6.
- Western Auto Supply Company: See—
Wizard, Inc.
- Whirlaway Egg Washer Company, Harrisburg, Pa. Electrically heated egg washers. 569,716, Jan. 27; Serial No. 620,795, published Sept. 23, 1952. Class 21.
- Wickes Corporation, The, Saginaw, Mich. Prepared graphite. 569,740, Jan. 27; Serial No. 625,874, published Oct. 21, 1952. Class 1.
- Williams, James P., Brooklyn, N. Y., to A. D. Lewis, Atlanta, Ga. Soda-water drink. 88,988, re-renewed Oct. 29, 1952. O. O. Jan. 27. Class 45.
- Willmark Service System, Inc., New York, N. Y. Surveys of the merchandise methods of retail establishments, and making recommendations relative to their improvement, etc. 569,704, Jan. 27; Serial No. 606,960, published Nov. 4, 1952. Class 101.
- Wilson, Frank M., Company, Stockton, Calif. Canned fruits. 569,836, Jan. 27; Serial No. 632,543. Class 46.
- Wint-A-Green: See—
Elliott, Charles K.
- Wizard, Inc., Chicago, Ill., by Western Auto Supply Company, Kansas City, Mo. Touch-up paint enamel. 309,617, Jan. 23, 1934. Republished Jan. 27. Class 16.
- Wolsey Ltd., Leicester, England. Stockings, socks, hose, etc. 569,710, Jan. 27; Serial No. 618,667, published Nov. 4, 1952. Class 39.
- Wooster Brush Company, The, Wooster, Ohio. Paint brushes. 569,756, Jan. 27; Serial No. 630,817, published Nov. 4, 1952. Class 20.
- Worldwide Musical Instrument Co., Inc., New York, N. Y. Accordions, wood wind instruments, brass wind instruments, etc. 569,713, Jan. 27; Serial No. 618,999, published Nov. 4, 1952. Class 36.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

- Leather. K. Handling & Son. 297,265, renewed Sept. 6, 1952. O. G. Jan. 27.
- Prepared graphite. The Wickes Corporation. 569,740, Jan. 27; Serial No. 625,874, published Oct. 21, 1952.

CLASS 3

- Key case. Benjamin Stillier. 569,669, Jan. 27; Serial No. 601,287, published July 24, 1951.

CLASS 4

- Cleaning preparations. West Disinfecting Company. 297,596, renewed Sept. 20, 1952. O. G. Jan. 27.
- Polish. Automobile. Gold Bond Manufacturing Company. 569,643, Jan. 27; Serial No. 578,203, published Nov. 4, 1952.
- Wax and lacquer. S. C. Johnson & Son. 200,874, renewed Feb. 14, 1953. O. G. Jan. 27.
- Wax, Polishing. S. C. Johnson & Son. 301,318, renewed Feb. 28, 1953. O. G. Jan. 27.

CLASS 5

- Adhesive. Rubber. The Nauvutuck Chemical Company. 298,292, Oct. 18, 1932. Republished Jan. 27, 1953.
- Gummed paper tape and gummed cloth tape. Mid-States Gummed Paper Co. 569,801, Jan. 27; Serial No. 621,159.

CLASS 6

- Calcium hypochlorite, Technical grade. The Mathieson Alkali Works, Inc. 300,702, renewed Jan. 31, 1953. O. G. Jan. 27.
- Chemical compound. The Bird-Archer Company. 569,718, Jan. 27; Serial No. 621,750, published Oct. 28, 1952.

- Chemical preparation. O. N. Scott & Sons Company. 569,730, Jan. 27; Serial No. 625,634, published Oct. 28, 1952.
- Compounded animal or vegetable and/or petroleum based product. The Procter & Gamble Company. 569,719, Jan. 27; Serial No. 622,123, published Sept. 23, 1952.
- Deodorant powder, Household. The Bickmore Company. 569,668, Jan. 27; Serial No. 601,252, published Nov. 4, 1952.
- Essential oils; concentrated citrus oils; terpeneless oils, etc. Dodge & Olcott, Inc. 569,693, Jan. 27; Serial No. 613,054, published Nov. 4, 1952.
- Insecticidal spray. The Weevil-Cide Company. 569,759, Jan. 27; Serial No. 632,185, published Nov. 4, 1952.
- Insecticides, insect repellents and disinfectants. Solvay & Co. 569,734, Jan. 27; Serial No. 625,044, published Oct. 28, 1952.
- Liquid hydrocarbon fuel packaged in disposable-containers. American Tempo Corporation. 569,741, Jan. 27; Serial No. 626,362, published Oct. 28, 1952.
- Plasticizers. El Dorado Oil Works. 569,738, Jan. 27; Serial No. 625,326, published Oct. 28, 1952.
- Sodium hypochlorite, Liquid. C. Friedman. 569,680, Jan. 27; Serial No. 607,987, published Nov. 4, 1952.
- Spray fluid deodorant. West Disinfecting Company. 569,735, Jan. 27; Serial No. 625,159, published Oct. 28, 1952.
- Starch, Liquid. Blue Magic, Inc. 569,642, Jan. 27; Serial No. 575,822, published Oct. 30, 1951.
- Thermo-setting elastomer. Pacific Moulded Products Co. 569,729, Jan. 27; Serial No. 623,982, published Nov. 4, 1952.
- Water-treating composition. American Dyewood Company. 569,752, Jan. 27; Serial No. 628,837, published Nov. 4, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 7

- Ribbon composed of cellulose composition material for tying packages. Freyberg Brothers, Incorporated. 301,640, renewed Mar. 7, 1953. O. G. Jan. 27.

CLASS 8

- Cigarette paper booklets. Peter J. Schweitzer, Inc. 569,802, Jan. 27; Serial No. 621,788.
- Lighters, Friction cigarette. M. Robbin. 569,799, Jan. 27; Serial No. 620,824.

CLASS 10

- Fertilizer. Morris Fertilizer Co. 88,776, re-renewed Oct. 22, 1952. O. G. Jan. 27.

CLASS 12

- Asbestos-cement pipe couplings. Johns-Manville Corporation. 569,641, Jan. 27; Serial No. 574,037, published Oct. 28, 1952.
- Asphalt, protective coatings. Richfield Oil Corporation. 569,647, Jan. 27; Serial No. 581,895, published Nov. 4, 1952.
- Building trim, Finished metal. Pax Metal Corporation. 569,652, Jan. 27; Serial No. 584,836, published Oct. 28, 1952.
- Insulating material, Thermal. American Rock Wool Corp. 569,720, Jan. 27; Serial No. 622,684, published Oct. 28, 1952.
- Lumber. California Redwood Association. 299,575, renewed Dec. 13, 1952. O. G. Jan. 27.
- Metal chalk troughs, head and mullion trim channels, and metal end stops. Loxit Systems, Inc. 569,653, Jan. 27; Serial No. 586,179, published Oct. 28, 1952.
- Paper coated with aluminum pigment or paint. Protective Papers, Inc. 569,833, Jan. 27; Serial No. 618,009.
- Plastic-faced plywood. Douglas Fir Plywood Association. 569,775, Jan. 27; Serial No. 605,783, published Nov. 4, 1952.
- Plywood. Douglas Fir Plywood Association. 569,774, Jan. 27; Serial No. 596,783, published Nov. 4, 1952.
- Plywood, doors, hardboard faced panels, etc. Simpson Logging Company. 569,675, Jan. 27; Serial No. 604,236, published Nov. 4, 1952.
- Roofing of all kinds. Prepared. Dependson Asphaltum Roofing Co. 221,159, Nov. 23, 1926. Republished Jan. 27.
- Sectional tubular thermal insulating members for conduits. Met-L-Glas Corporation. 569,677, Jan. 27; Serial No. 607,228, published Oct. 28, 1952.
- Wood flooring. Crooka-Dittmar Co. 138,802, Jan. 4, 1921. Republished Jan. 27.

CLASS 13

- Elbows, Brass T's, unions, etc. Phillips Lead & Supply Co. 89,498, Dec. 17, 1912. Republished Jan. 27.
- Fastening elements, namely staples. The Heller Company. 569,784, Jan. 27; Serial No. 589,092.
- Faucet replacement handles, water closet tank ball valves, etc. Chicago Specialty Manufacturing Co. 569,821, Jan. 27; Serial No. 605,843.
- Hose connections, couplings and plastic screen cloth. Plastic Woven Products, Inc. 569,813, Jan. 27; Serial No. 627,222.
- Metal pipes, tubes, and poles, Rolled or pressed, straight or tapered, plain or fluted. The Union Metal Manufacturing Company. 301,601, renewed Mar. 7, 1953. O. G. Jan. 27.
- Serving trays, cake trays, relish dishes, etc. National Silver Company. 569,789, Jan. 27; Serial No. 599,521.

CLASS 15

- Oils and greases for motor vehicles, hydraulic brake oils, crank case oils, etc. Blitrite Motor Equipment Co. Inc. 297,253, renewed Sept. 6, 1952. O. G. Jan. 27.
- Oils and greases, Refined, semi-refined, and unrefined. Phillips Petroleum Company. 299,505-6, renewed Dec. 6, 1952. O. G. Jan. 27.
- Petroleum products. Richfield Oil Corporation of New York. 298,352, renewed Oct. 25, 1952. O. G. Jan. 27.
- Petroleum products. Richfield Oil Corporation of New York. 299,391, renewed Dec. 6, 1952. O. G. Jan. 27.

CLASS 16

- Paint, Enamel. Sapolin Paints Inc. 569,819, Jan. 27; Serial No. 629,628.
- Paint enamel, Touch-up. Wizard, Inc. 309,617, Jan. 23, 1934. Republished Jan. 27.
- Paint oils, baking varnishes, tin plate lacquers, etc. Ball Chemical Company. 299,567, Dec. 13, 1932. Republished Jan. 27.
- Paints, Ready-mixed, paint enamels, and varnishes. Beautykote Corporation. 404,191, Nov. 9, 1943. Republished Jan. 27.
- Paints, Waterproof asbestos siding and shingle finish. Dewater Manufacturing Corporation. 569,782, Jan. 27; Serial No. 576,526.
- Penetrating wood floor surface sealer. The Gerson-Stewart Corporation Company. 569,794, Jan. 27; Serial No. 604,627.
- Resin and varnish coatings. Delkote, Inc. 569,822, Jan. 27; Serial No. 607,620.

- Sealers used alone or admixed with paint or oil. Walter N. Boysen Co. 444,714, Aug. 12, 1952. Republished Jan. 27.

- Water-paint. The Silicate Paint Company J. B. Orr and Company Limited. 88,598, Oct. 1, 1912. Republished Jan. 27.

CLASS 17

- Cigarettes. C. K. Elliott. 569,810, Jan. 27; Serial No. 624,450.

CLASS 18

- Drug of oxytropic factors. The Mutual Pharmacal Corp. 569,704, Jan. 27; Serial No. 617,455, published Nov. 4, 1952.
- Medical compound. E. Billhuber Inc. 298,197, renewed Oct. 18, 1952. O. G. Jan. 27.
- Medicinal preparation. Heyden Chemical Corporation. 295,135, renewed June 21, 1952. O. G. Jan. 27.
- Pharmaceutical compound. Walker Laboratories, Inc. 569,751, Jan. 27; Serial No. 628,601, published Nov. 4, 1952.
- Sedative, hypnotic, muscle relaxing anesthetic compound. Abbott Laboratories. 569,758, Jan. 27; Serial No. 632,059, published Oct. 21, 1952.
- Veterinary medicine. Quaker State Chemical Corporation. 569,698, Jan. 27; Serial No. 614,840, published Nov. 4, 1952.
- Water-miscible cream containing pantothenyl alcohol. U. S. Vitamin Corporation. 569,705, Jan. 27; Serial No. 617,593, published Nov. 4, 1952.

CLASS 19

- Automobiles, Used, used motor trucks, used motor busses, etc. L. Harris. 569,779, Jan. 27; Serial No. 572,176.
- Bicycles, motorcycles. M. Guyot. 569,717, Jan. 27; Serial No. 621,459, published July 15, 1952.
- Fender welt trim for automotive vehicles, Ornamental. National Autocraft Manufacturing Co. 569,791, Jan. 27; Serial No. 602,707.
- Leaf springs, together with component parts, such as clips, bushings, etc., for use as replacement parts on all makes of automobiles, etc. Liggett Spring and Axle Co. 569,645, Jan. 27; Serial No. 581,072, published Sept. 16, 1952.
- Parachute equipment. Irving Air Chute Co., Inc. 569,636, Jan. 27; Serial No. 523,031, published Oct. 7, 1952.
- Trucks, Delivery, oil trucks, buses and trailers. Trans-Arabian Pipe Line Company. 569,695, Jan. 27; Serial No. 614,320, published Sept. 16, 1952.
- Vehicles, Rail, road vehicles, and airplanes. Fiat Societa per Azioni. 569,676, Jan. 27; Serial No. 604,691, published Sept. 23, 1952.

CLASS 21

- Automotive engine parts. S & S International Corporation. 569,707, Jan. 27; Serial No. 618,128, published Sept. 16, 1952.
- Electric portable vacuum cleaners. Clements Mfg. Co. 383,577, Dec. 17, 1940. Republished Jan. 27.
- Electrical appliances. Knapp-Monarch Company. 569,706, Jan. 27; Serial No. 617,843, published Sept. 23, 1952.
- Electrical power distribution switch boards, panel boards, safety switches, etc. The Trumbull Electric Manufacturing Company. 297,432, renewed Sept. 13, 1952. O. G. Jan. 27.
- Electrically heated egg washers. Whirlaway Egg Washer Company. 569,716, Jan. 27; Serial No. 620,795, published Sept. 23, 1952.
- Electrically operated vacuum cleaners and hand blowers. Portable. Clements Mfg. Co. 384,491, Jan. 21, 1941. Republished Jan. 27.
- Radio receiving sets, television receiving sets, automatic electric phonographs, etc. Garod Radio Corporation. 569,709, Jan. 27; Serial No. 618,572, published Sept. 23, 1952.
- Rubber covered wire for electrical use. United States Rubber Company. 298,481, Oct. 25, 1932. Republished Jan. 27.
- Sound recording tape, Magnetic. Audin Devices, Inc. 569,657-8, Jan. 27; Serial Nos. 592,689-90, published Sept. 30, 1952.
- Storage batteries and their parts. The Electric Storage Battery Company. 569,697, Jan. 27; Serial No. 614,656, published Oct. 21, 1952.

CLASS 22

- Artificial bait. Fred Arbogast and Company, Inc. 569,703, Jan. 27; Serial No. 616,356, published Nov. 4, 1952.
- Bowling alleys and parts therefor. The Brunswick-Balke-Collider Company. 569,664, Jan. 27; Serial No. 597,321, published Nov. 4, 1952.
- Fish hook, fishing line and fishing tackle sounder spreader, bottom rigs, etc. G. N. Ristline. 569,649, Jan. 27; Serial No. 583,364, published Nov. 4, 1952.
- Fish hooks, bottom rigs, surf rigs, etc. G. N. Ristline. 569,650, Jan. 27; Serial No. 583,365, published Nov. 4, 1952.
- Game. Parker Brothers, Inc. 300,768, Feb. 7, 1933. Republished Jan. 27.
- Toy automobiles, tractors, wagons, and trucks. Product Miniature Co., Inc. 569,724, Jan. 27; Serial No. 623,077, published Nov. 4, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Toy spinning tops, Bandiere, Donald F. Duncan, Inc. 300,504, renewed Jan. 24, 1953. O. G. Jan. 27.

CLASS 23

Adaptable lathe and universal chucks. Buck Tool Company. 569,670, Jan. 27; Serial No. 607,617, published Oct. 7, 1952.
Can openers. J. A. Cahill. 569,809, Jan. 27; Serial No. 624,066.
Cheese slicers and storage containers. Combination and spoon-type kitchen scoops. Columbus Plastic Products, Inc. 569,673, Jan. 27; Serial No. 602,590, published Oct. 14, 1952.
Cultivators, scrapers, ditch diggers, etc. Armor Farm Implement Co. 569,796, Jan. 27; Serial No. 619,484.
Cutlery, Kitchen. Quikut Inc. 569,670, Jan. 27; Serial No. 601,640, published Aug. 26, 1952.
Fastener forming and inserting machines. The Auto-Soler Company. 569,838, Jan. 27; Serial No. 546,942, published Sept. 2, 1952.
Inert teeth for power saws. Donley Tool Co. 569,816, Jan. 27; Serial No. 628,877.
Lubricating equipment, Automotive and industrial, pneumatic tools. The Aero Equipment Corporation. 569,665, Jan. 27; Serial No. 597,809, published Oct. 21, 1952.
Mining coal planners, mining chutes, mining conveyors, etc. Mining Progress Inc. 569,651, Jan. 27; Serial No. 583,656, published Oct. 21, 1952.
Pumps. James Bereford & Son Limited. 569,694, Jan. 27; Serial No. 613,889, published Sept. 16, 1952.
Sewing machine needles. Schmetz Needle Corporation. 569,730, Jan. 27; Serial No. 624,052, published Oct. 28, 1952.
Sewing machines and sewing-machine attachments and parts thereof. The Singer Manufacturing Co. 39,791, re-renewed Feb. 10, 1953. O. G. Jan. 27.
Tools, Well. Byron Jackson Co. 569,648, Jan. 27; Serial No. 562,788, published Aug. 19, 1952.
Water systems. The Deming Company. 569,696, Jan. 27; Serial No. 614,338, published Oct. 21, 1952.
Water systems. National Association Domestic and Farm Pump Manufacturers. 569,773, Jan. 27; Serial No. 567,120, published Oct. 21, 1952.

CLASS 26

Ballistic scientific and ballistic laboratory apparatus; bibliography projectors, etc. American Optical Company. 44,749, Jan. 27; Serial No. 524,850, published Sept. 23, 1952.
Gauges. United States Gauge Company. 299,298, Nov. 29, 1932. Amended. O. G. Jan. 27.
Motion and still pictures on film and viewers thereof. Athletic Films, Inc. 569,831, Jan. 27; Serial No. 617,359.
Motion picture films, silent, and sound-reproducing motion picture films. United World Films, Inc. 569,780, Jan. 27; Serial No. 574,475.
Sensitized paper. Spaulding-Moss Company. 569,824, Jan. 27; Serial No. 610,593.
Thermal responsive apparatus comprising a thermostatic switch. Fenwal Incorporated. 569,792, Jan. 27; Serial No. 602,938.
Time control switch, Synchronous electric motor operated. Paragon Electric Company. 569,781, Jan. 27; Serial No. 575,222.

CLASS 29

Brushes, Paint. The Wooster Brush Company. 569,756, Jan. 27; Serial No. 630,817, published Nov. 4, 1952.
Dish washing device comprised of hose, brush mount and brush. Non-mechanical. E. H. Barker. 569,690, Jan. 27; Serial No. 611,632, published Oct. 28, 1952.
Mop heads. Modglin Company, Inc. 569,750, Jan. 27; Serial No. 628,287, published Oct. 28, 1952.

CLASS 30

Potter kiln room supplies. The Pottery Supply Company. 569,790, Jan. 27; Serial No. 602,410.

CLASS 31

Refrigerators. Michaels Bros. 298,337, renewed Oct. 25, 1952. O. G. Jan. 27.

CLASS 33

Bottles, Glass milk and beverage. Liberty Glass Company. 569,783, Jan. 27; Serial No. 579,106.

CLASS 34

Air conditioning units, individually controlled. McQuay, Inc. 569,686, Jan. 27; Serial No. 610,447, published Sept. 30, 1952.
Boilers, furnaces, air conditions, etc. Affiliated Gas Equipment, Inc. 569,663, Jan. 27; Serial No. 596,004, published Oct. 28, 1952.
Burners, Oil, floor furnaces, basement furnaces, etc. H. C. Little Burner Co., Inc. 569,650, Jan. 27; Serial No. 592,113, published Sept. 23, 1952.
Burners, Submerged combustion. Osark-Mahoning Company. 569,685, Jan. 27; Serial No. 610,334, published Oct. 28, 1952.
Combined pilot and main burner gas valves, and pilot burners. Robertshaw-Fulton Controls Company. 569,742, Jan. 27; Serial No. 626,416, published Sept. 16, 1952.

Controller for adjusting the damper of a gas burning furnace. General Controls Co. 569,687, Jan. 27; Serial No. 600,431, published Oct. 28, 1952.
Dampers, Louver, right angle dampers, round dampers, etc. F. B. Gardner Co., Inc. 569,666, Jan. 27; Serial No. 600,430, published Oct. 28, 1952.
Ducts, pipes and fittings for air conditioning systems and for forced-flow air heating systems, etc. Clayton & Lambert Manufacturing Company. 569,690, Jan. 27; Serial No. 615,070, published Nov. 4, 1952.
Equipment particularly adapted for use in oil and gas fields. National Tank Company. 569,702, Jan. 27; Serial No. 616,115, published Nov. 4, 1952.
Evaporators. Rodney Hunt Machine Co. 569,748, Jan. 27; Serial No. 628,127, published Oct. 28, 1952.
Furnaces, Floor. Oran Company. 569,646, Jan. 27; Serial No. 581,887, published Sept. 30, 1952.
Furnaces, Gas, oil, and coal fired, blowers and fans, etc. Prole & Coogan Heating Company. 569,654, Jan. 27; Serial No. 587,223, published Sept. 16, 1952.
Furnaces, Hot air, oil burners, and blowers therefor. Round Oak Company, Inc. of Indiana. 569,731, Jan. 27; Serial No. 624,158, published Sept. 30, 1952.
Furnaces, Melting. Reda Pump Company. 569,747, Jan. 27; Serial No. 628,126, published Oct. 14, 1952.
Gas water heater. T. F. Downs. 569,689, Jan. 27; Serial No. 611,586, published Sept. 16, 1952.
Heat exchanging equipment. J. D. Christian. 569,687, Jan. 27; Serial No. 611,401, published Sept. 16, 1952.
Heaters, Gas burning space. The Folsom Co. 569,732, Jan. 27; Serial No. 624,452, published Sept. 30, 1952.
Humidifiers. Parks-Cramer Company. 569,682, Jan. 27; Serial No. 609,255, published Sept. 23, 1952.
Kitchen and window exhaust fans, gravity-operated and motor driven shutters, etc. Alrmaster Corporation. 569,737, Jan. 27; Serial No. 625,446, published Sept. 2, 1952.
Lamp chimneys, Glass; glass candlesticks; glass shapes, etc. Dunbar Glass Corporation. 569,678, Jan. 27; Serial No. 607,323, published Sept. 23, 1952.
Lamps, Gasoline, fuel burning, and lanterns. The Coleman Lamp and Stove Company. 300,983, renewed Feb. 14, 1953. O. G. Jan. 27.
Ovens, Insulated. Michigan Oven Company. 569,725, Jan. 27; Serial No. 623,312, published Oct. 28, 1952.
Stoves and ranges, Gas. Odin Stove Manufacturing Company. 298,413, renewed Oct. 25, 1952. O. G. Jan. 27.
Welding tips and inserts. Smith Bros. & Hughes. 569,711, Jan. 27; Serial No. 618,716, published Oct. 28, 1952.

CLASS 35

Belting, Leather. Chicago Belting Company. 90,968, re-renewed Apr. 8, 1953. O. G. Jan. 27.
Belts of rubber and fabric. United States Rubber Company. 298,686, Nov. 1, 1932. Republished Jan. 27.
Gaskets. Hamilton Kent Manufacturing Company. 569,726, Jan. 27; Serial No. 623,658, published Nov. 4, 1952.
Hose composed wholly or principally of rubber. The Good-year Tire & Rubber Company. 569,745, Jan. 27; Serial No. 627,813, published Nov. 4, 1952.
Rubber tube patches and rubber tube repair gums. Van Cleef Bros., Inc. 569,674, Jan. 27; Serial No. 604,171, published Nov. 4, 1952.
Tires, Resilient. India Tire and Rubber Company. 299,758, renewed Dec. 20, 1952. O. G. Jan. 27.

CLASS 36

Accordions, wood wind instruments, brass wind instruments, etc. Worldwide Musical Instrument Co., Inc. 569,713, Jan. 27; Serial No. 618,999, published Nov. 4, 1952.
Musical instruments, Percussion. Maas-Rowe Electro-music Corporation. 569,817, Jan. 27; Serial No. 628,820.
Pianos, organs, trumpets, etc. Amerling Piano Co. 569,798, Jan. 27; Serial No. 620,290.

CLASS 37

Paper, Bond and safety. Gilbert Paper Company. 300,156, renewed Jan. 10, 1953. O. G. Jan. 27.
Paper, Greaseproof. Rhinelander Paper Company. 596,776, Jan. 27; Serial No. 533,618.
Paper, Writing, and correspondence and mailing envelopes. Old Colony Envelope Company. 569,785, Jan. 27; Serial No. 589,915.
Paper, Writing and printing. M. Greenebaum. 90,804, re-renewed Mar. 25, 1953. O. G. Jan. 27.
Papers, Tissue. Britains Limited. 298,862, renewed Nov. 8, 1952. O. G. Jan. 27.
Partially printed and/or ornamented menu covers and folders, etc. V. H. Kruse. 569,671, Jan. 27; Serial No. 601,738, published Oct. 21, 1952.
Partially printed and/or ornamented menu covers and folders, etc. V. H. Kruse. 569,672, Jan. 27; Serial No. 601,740, published Oct. 21, 1952.
Pens, Fountain, ball point pens, mechanical pencils, etc. Eberhard Faber Pencil Company. 569,797, Jan. 27; Serial No. 620,202.

CLASS 38

Bulletins. Southwest Hardware Company. 569,793, Jan. 27; Serial No. 604,498.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 42

Magazine. Electrol Incorporated. 569,829, Jan. 27; Serial No. 616,598.
Market bulletins. G. C. McMichael. 569,803, Jan. 27; Serial No. 621,892.
Periodical. Drake Publishing Company. 569,832, Jan. 27; Serial No. 617,652.
Periodical. National Office Management Association. 569,825, Jan. 27; Serial No. 611,103.
Periodical. Times Publishing Co. 286,152, renewed Aug. 18, 1951. O. G. Jan. 27.
Publication. Stamata Publishing Company. 569,804, Jan. 27; Serial No. 622,129.
Publication. Periodical. Kalmbach Publishing Co. 569,808, Jan. 27; Serial No. 623,468.

CLASS 39

Boots and shoes. Field and Flint Co. 298,814, renewed Nov. 8, 1952. O. G. Jan. 27.
Boots and shoes, Leather, rubber and cloth. Hofhelmer Brothers Company. 89,259, re-renewed Dec. 3, 1952. O. G. Jan. 27.
Brassieres, girdles, panties, etc. Clree Foundations, Inc. 569,800, Jan. 27; Serial No. 621,101.
Clothing, Men's. Eagle Clothes, Inc. 569,754-5, Jan. 27; Serial Nos. 626,929-30, published Oct. 7, 1952.
Clothing, Men's, women's, and children's. I. Wagner. 569,660-1, Jan. 27; Serial Nos. 593,148-9, published Oct. 14, 1952.
Clothing, Summer. Adolph Arons & Sons, Inc. 569,640, Jan. 27; Serial No. 568,568, published May 23, 1950.
Coats, snow suits, suits, etc. Children's. Rosenblatt and Kahn, Inc. 569,691, Jan. 27; Serial No. 612,417, published Oct. 7, 1952.
Dress, negligee, and work shirts, underwear, and pajamas, Men's. National Shirt Shops, Inc. 297,146, renewed Sept. 6, 1952. O. G. Jan. 27.
Dresses, Ladies' and misses'. Abrams Dress Corporation. 569,823, Jan. 27; Serial No. 608,464.
Dresses, Women's. Florida Fashions Inc. 569,807, Jan. 27; Serial No. 623,244.
Finger cots. Industrial Gloves Company. 569,834, Jan. 27; Serial No. 618,642.
Foundation garments, corsets and girdles. The Neatform Co., Inc. 569,830, Jan. 27; Serial No. 618,864.
Gloves, Ladies' and men's leather. Glovecraft, Inc. 300,517, renewed Jan. 24, 1953. O. G. Jan. 27.
Heels, Rubber, rubber soles, and half soles. Bradstone Rubber Company. 299,775, renewed Dec. 20, 1952. O. G. Jan. 27.
Heels, Rubber, rubber soles, and half soles. Bradstone Rubber Company. 299,777-8, renewed Dec. 20, 1952. O. G. Jan. 27.
Hosiery. Gotham Silk Hosiery Company, Inc. 300,499, Jan. 24, 1953. Republished Jan. 27.
Hosiery. Joseph C. Smith, Inc. 569,722, Jan. 27; Serial No. 622,760, published Nov. 4, 1952.
Hosiery, Men's, women's, and children's. The Alden Mills. 569,637, Jan. 27; Serial No. 631,281, published Oct. 28, 1952.
Hosiery, Men's, women's, and children's. Burlington Mills Corporation. 569,639, Jan. 27; Serial No. 552,836, published Oct. 14, 1952.
Jackets and trousers, Men's and women's. Marcus Breler Sons, Inc. 569,714, Jan. 27; Serial No. 619,185, published Oct. 7, 1952.
Jackets, Children's, children's overalls and children's boxer shorts. M. W. Johnston. 569,683, Jan. 27; Serial No. 609,482, published Oct. 7, 1952.
Jackets, suits and coats. Men's sport. Maveat Inc. 569,744, Jan. 27; Serial No. 627,207, published Oct. 7, 1952.
Mittens. M. C. Sabo. 569,812, Jan. 27; Serial No. 625,695.
Neckties. The Weisbaum Bros. Brower Co. 301,264, renewed Feb. 21, 1953. O. G. Jan. 27.
Overalls and work clothes. The Crown Overall Manufacturing Company. 569,655, Jan. 27; Serial No. 588,083, published Oct. 14, 1952.
Shirts, Men's and boys'. Heath-Sweetser, Inc. 302,195, renewed Apr. 4, 1953. O. G. Jan. 27.
Shoes. Hubbard Shoe Company, Incorporated. 569,788, Jan. 27; Serial No. 599,174.
Shoes, Children's. Model Shoe Company. 569,787, Jan. 27; Serial No. 598,027.
Shoes, Women's and children's. J. C. Penney Company. 298,841, renewed Nov. 8, 1952. O. G. Jan. 27.
Skirts, blouses, dresses, etc. Women's and misses'. H. Rutenberg. 569,814, Jan. 27; Serial No. 626,368.
Skirts, Ladies' and misses'. Summit Sportswear Company. 569,806, Jan. 27; Serial No. 622,855.
Stockings, socks, hose, etc. Wolsey Ltd. 569,710, Jan. 27; Serial No. 618,667, published Nov. 4, 1952.
Suits and topcoats, Men's. Kurtzman Brothers. 569,749, Jan. 27; Serial No. 628,282, published Oct. 7, 1952.
Suits, coats and toppers, Ladies'. Ramsay, Inc. 569,827, Jan. 27; Serial No. 614,314.
Underwear. Knitted and textile, and hosiery. Vanity Fair Silk Mills. 298,456, renewed Oct. 25, 1952. O. G. Jan. 27.
Underwear, Ladies' knitted and silk. The Patricia Petticoat Co. Inc. 298,372, renewed Oct. 25, 1952. O. G. Jan. 27.
Uniforms. Morris & Company, Inc. 300,455, renewed Jan. 17, 1953. O. G. Jan. 27.

Fabrics in the piece. Bear Mill Manufacturing Co. Inc. 569,837, Jan. 27; Serial No. 632,868.
Fabrics in the piece. National Mallinson Fabrics Corporation. 569,736, Jan. 27; Serial No. 625,433, published July 1, 1952.
Fabrics, Textile. Tessuti Artistici Fortuny S. A. 569,733, Jan. 27; Serial No. 624,508, published Nov. 4, 1952.
Fabrics, Wool. Miron Mills, Inc. 569,805, Jan. 27; Serial No. 622,397.
Piece goods. Colonial Mills, Inc. 569,644, Jan. 27; Serial No. 579,266, published Nov. 4, 1952.
Piece goods, Blended wool and cotton. Pendleton Woolen Mills. 569,753, Jan. 27; Serial No. 628,868, published Nov. 4, 1952.
Piece goods, Cotton. Dumari Textile Co., Inc. 569,811, Jan. 27; Serial No. 625,003.
Piece goods, Cretonne. Charles Bloom, Inc. 298,060, renewed July 19, 1952. O. G. Jan. 27.
Piece goods, Woolen and worsted. Metcalf Brothers & Co. 569,708, Jan. 27; Serial No. 618,361, published Nov. 4, 1952.
Rugs and carpets, Textile, woven, woolen, Mohawk Carpet Mills, Inc. 569,838, Jan. 27; Serial No. 634,333.
Sheeting, sheets and pillow cases. J. P. Stevens & Co., Inc. 569,757, Jan. 27; Serial No. 631,324, published Nov. 4, 1952.

CLASS 44

Articulators. Dr. Albert Gerber. 569,700, Jan. 27; Serial No. 616,029, published Oct. 14, 1952.
Bandage, Handy, absorbent cotton and cuticle sticks. S. H. Kress and Company. 569,743, Jan. 27; Serial No. 627,194, published Nov. 4, 1952.
Corrective shoes. I. Sabel. 299,764, renewed Aug. 23, 1952. O. G. Jan. 27.
Electric heating pads for therapeutic use. Casco Products Corporation. 569,688, Jan. 27; Serial No. 611,472, published Oct. 14, 1952.
Fluid filled, plastic, form fitting and light weight container with fluid sealed therein and used as a hot and cold pack for comfort and therapeutic purposes. H. Gloeckler. 569,712, Jan. 27; Serial No. 618,927, published Oct. 14, 1952.
Hearing aids and parts thereof. Electronic Beltone Hearing Aid Company. 569,684, Jan. 27; Serial No. 609,585, published Oct. 14, 1952.

CLASS 45

Soda-water drink. J. P. Williams. 58,988, re-renewed Oct. 29, 1952. O. G. Jan. 27.

CLASS 46

Albumen (egg), edible corn starch, potato starch, etc. J. Lowe Corporation. 299,518, Dec. 6, 1932. Republished Jan. 27.
Bread. S. A. Hiram. 299,584, renewed Dec. 13, 1952. O. G. Jan. 27.
Canned fish, canned fruits, canned vegetables, etc. F. & M. Importing Co. Inc. 298,422, renewed Oct. 25, 1952. O. G. Jan. 27.
Canned fish; fresh and canned shellfish; canned and/or bottled anchovies, etc. A. P. Rodriguez. 569,780, Jan. 27; Serial No. 592,723.
Canned fruits. Frank M. Wilson Company. 569,836, Jan. 27; Serial No. 632,543.
Canned fruits; canned vegetables; canned tuna fish; etc. Hunt Foods, Inc. 569,818, Jan. 27; Serial No. 629,202.
Canned tomatoes. Stanislaus Food Products Company. 569,835, Jan. 27; Serial No. 631,693.
Canned vegetables, canned fruits, evaporated fruits, etc. Franklin MacVeagh and Company. 91,001, re-renewed Apr. 8, 1953. O. G. Jan. 27.
Chewing gum. American Dicals Company, Inc. 569,795, Jan. 27; Serial No. 619,375.
Coconut chips. Polynesian Food Specialties, Ltd. 569,828, Jan. 27; Serial No. 614,465.
Feed, Chicken. Ralston Purina Company. 90,837, re-renewed Mar. 25, 1953. O. G. Jan. 27.
Feeds and feed concentrates. Commercial livestock and poultry. Central Soya Company, Inc. 569,776, Jan. 27; Serial No. 570,094.
Flour, Wheat, including self-rising flour. Ballard & Ballard Co. 223,995, Feb. 15, 1927. Restricted. O. G. Jan. 27.
Frozen confections. The Popsicle Corporation of the United States. 301,067, renewed Feb. 14, 1953. O. G. Jan. 27.
Frozen confections. The Popsicle Corporation of the United States. 301,334, renewed Feb. 28, 1953. O. G. Jan. 27.
Fruit flavored, chocolate flavored, and butterscotch flavored preparations. Orchard Products Co. 569,820, Jan. 27; Serial No. 605,758.
Grapes, cherries, peaches, etc., Fresh. Anthony A. Blanco, Inc. 569,715, Jan. 27; Serial No. 619,291, published Nov. 4, 1952.
Grapes, Fresh. Vincent J. Squillante, Inc. 569,815, Jan. 27; Serial No. 628,370.
Lobsters, Live, and cooked lobsters. Consolidated Lobster Company, Inc. 299,104, renewed Nov. 22, 1952. O. G. Jan. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Malted milk mix, Frozen. Horlicks Corporation. 569,826, Jan. 27; Serial No. 612,545.
Rye flour product, Baked. Ralston Purina Company. 301,836, renewed Mar. 14, 1953. O. G. Jan. 27.
Vegetables, Fresh. Ferrocarril Nord Este Argentino. 290,325, renewed Jan. 5, 1952. O. G. Jan. 27.
Wheat flour, The Northwestern Consolidated Milling Company. 47,195, Oct. 31, 1905. Restricted. O. G. Jan. 27.
Wheat flour, and particularly self-rising flour. Ballard & Ballard Company. 148,992, Dec. 6, 1921. Restricted. O. G. Jan. 27.

CLASS 49

Whisky, Scotch. Hill, Thomson & Co. 39,438, re-renewed Dec. 9, 1952. O. G. Jan. 27.

CLASS 51

Cream toilet preparation. N. S. Walbridge. 569,727-8, Jan. 27; Serial No. 623,860-1, published Oct. 28, 1952.
Lotion, Foot. Bounce, Inc. 569,723, Jan. 27; Serial No. 622,797, published Oct. 14, 1952.
Perfumes, lotions for hands and face. Park & Tilford. 301,912, renewed Mar. 21, 1953. O. G. Jan. 27.
Perfumery, eau-de-cologne, toilet creams, etc. Naamloose Vennootschap Eau de Cologne Fabriek J. C. Boldoot. 298,707, renewed Nov. 1, 1952. O. G. Jan. 27.
Perfumes and toilet water. S. A. Givienne. 569,777, Jan. 27; Serial No. 566,077.
Pharmaceutical preparations. Caled Products Company, Inc. 372,378, Oct. 31, 1939. Republished Jan. 27.
Preparation for perfuming and softening the water of the bath. Howe-Lewis, Inc. 569,662, Jan. 27; Serial No. 594,900, published Nov. 4, 1952.
Preparation for use in hair waving. The Realistic Company. 569,746, Jan. 27; Serial No. 628,124, published Nov. 4, 1952.
Shaving soap and soap preparations. Caled Products Company, Inc. 373,989, Dec. 26, 1939. Republished Jan. 27.
Waving lotion. Sales Affiliates, Inc. 569,701, Jan. 27; Serial No. 616,051, published Oct. 28, 1952.

CLASS 52

Chemical preparation. D. Brown. 569,721, Jan. 27; Serial No. 622,692, published Oct. 28, 1952.
Cleaner fluid. Feller-Jones Corporation. 569,659, Jan. 27; Serial No. 593,061, published Oct. 28, 1952.
Cleaning fluid, Chemical, and a powdered cleaning preparation. Lusterized Service Co. 569,692, Jan. 27; Serial No. 612,696, published Oct. 28, 1952.
Detergents. Caled Products Company, Inc. 405,860, Feb. 29, 1944. Republished Jan. 27.
Soap, soap chips, and soap flakes. Kaufmann Department Stores, Inc. 297,866, Oct. 4, 1932. Republished Jan. 27.
Soaps, compounds for washing baking pans, etc. Peck's Products Company. 569,681, Jan. 27; Serial No. 609,195, published Oct. 28, 1952.

CLASS 100

Diaper rental service. Dy-Dee Wash of Washington, Inc. 569,770, Jan. 27; Serial No. 626,370, published Nov. 4, 1952.
Drawing industrial maps to specification. J. M. Rodrigues, Jr. 569,839, Jan. 27; Serial No. 587,601.
Rental of dust cloths and dust mops. Dustet Service Corporation. 569,767, Jan. 27; Serial No. 617,604, published Nov. 4, 1952.

CLASS 101

Collating and grouping advertising copy and placing the same in newspapers, magazines, etc. P. J. Podkova. 569,763, Jan. 27; Serial No. 588,165, published Nov. 4, 1952.
Merchandising service rendered to merchants and their customers. C. Weatherby. 569,766, Jan. 27; Serial No. 613,033, published Nov. 4, 1952.
Surveys of the merchandise methods of retail establishments, and making recommendations relative to their improvement, etc. Willmark Service System, Inc. 569,764, Jan. 27; Serial No. 606,960, published Nov. 4, 1952.

CLASS 103

Applying imitation stone facings to walls, etc. A. Horvath. 569,765, Jan. 27; Serial No. 609,650, published Nov. 4, 1952.
Dry cleaning of wearing apparel. G & K Corporation. 569,762, Jan. 27; Serial No. 554,559, published Nov. 4, 1952.
Inspection, maintenance, and repair service. The Fyrtex Company. 569,771, Jan. 27; Serial No. 627,442, published Nov. 4, 1952.

CLASS 104

Radio program broadcasting services. Puget Sound Broadcasting Company, Inc. 569,768, Jan. 27; Serial No. 618,401, published Nov. 4, 1952.

CLASS 105

Rental of automobiles and trucks. Harts Drive-It System, Inc. 569,760, Jan. 27; Serial No. 537,455, published Nov. 4, 1952.
Transportation by motor truck of miscellaneous freight. Pacific Intermountain Express Co. 569,761, Jan. 27; Serial No. 542,781, published Nov. 4, 1952.
Truck renting service. Rentways Inc. 569,769, Jan. 27; Serial No. 623,477, published Nov. 4, 1952.

CLASS 107

Auto driver training. Easy Method Auto Driver Training School Inc. 569,772, Jan. 27; Serial No. 628,680, published Nov. 4, 1952.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bebry Bedding Corporation, assignee: See—
Bebry, Peter P.
Bebry, Peter P., assignor to Bebry Bedding Corporation, Bayonne, N. J. Love seat bed. Re. 23,616, Jan. 27.

Liebowitz, Benjamin, Lewisboro, N. Y. Anticurl device for collars. Re. 23,617, Jan. 27.

LIST OF DESIGN PATENTEEES

Anderson, Willis B., assignee: See—
Berini, Clarence J.
Arditti, Leon A., New York, N. Y. Base for table lamps. 168,667, Jan. 27.
Berini, Clarence J., Farmington, assignor of fifty per cent to W. B. Anderson, Detroit, Mich. Awning or similar article. 168,668, Jan. 27.
Berini, Clarence J., Farmington, assignor of fifty per cent to W. B. Anderson, Detroit, Mich. Awning or similar article. 168,669, Jan. 27.
Better Brushes, Incorporated, assignee: See—
Carpenter, Leslie A.
Black, James A., Grand Rapids, Mich. Stock drying oven for coated sheets or the like. 168,670, Jan. 27.
Bolts Products Sales, Inc., assignee: See—
Bolten, John, Sr.
Bolten, John, Sr., assignor to Bolts Products Sales, Inc., Andover, Mass. Plastic sheet material or the like. 168,671, Jan. 27.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,672, Jan. 27.
Carpenter, Leslie A., assignor to Better Brushes, Incorporated, Palmer, Mass. Hairbrush or the like. 168,673, Jan. 27.
Collura, Francesco, New York, N. Y., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Combination food and beverage blender. 168,674, Jan. 27.
Continental Art Company, assignee: See—
Frenzel, Edgar G.
Custer, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 168,675, Jan. 27.
Dalley, Donald E., Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y. Combination refrigerator and dispensing bar. 168,676, Jan. 27.
Dalley, Donald E., Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 168,677, Jan. 27.
Detroit-Michigan Stove Company, assignee: See—
Hitchcock, Richard E.
Econolite Corporation, assignee: See—
Leech, Aubrey B.
Elledge, Oscar C., and H. R. McCray, Columbus, Ohio. Place mat. 168,678, Jan. 27.
Evans Case Co., assignee: See—
Speers, Samuel F.
Feldman, Abraham G., Chicago, Ill. Infant's crib. 168,679, Jan. 27.
Feldman, Abraham G., Chicago, Ill. Infant's crib. 168,680, Jan. 27.
Feldman, Abraham G., Chicago, Ill. Infant's crib. 168,681, Jan. 27.
Frawley Corporation, assignee: See—
Spatz, Walter B.
Frenzel, Edgar G., assignor to Continental Art Company, Chicago, Ill. Figurine. 168,682, Jan. 27.
Goodrich, B. F. Company, The, assignee: See—
Custer, Charles C.
Harwood Manufacturing Corp., assignee: See—
Marrow, Seymour A.
Hauser, Jon W.: See—
Reinecke, Jean O., and Hauser.
Hawley Products Company, assignee: See—
Reinecke, Jean O., and Hauser.
Heineke, Henry L., Springfield, Ill. Lawn mower. 168,683, Jan. 27.
Hitchcock, Richard E., Birmingham, assignor to Detroit-Michigan Stove Company, Detroit, Mich. Cooking range control panel. 168,684, Jan. 27.
Holbrook, Charles F., Harlingen, assignor to Vanorette, Inc., Dallas, Tex. Insecticide vaporizer. 168,685, Jan. 27.
Hunter, Marie B., Dallas, Tex. Literature holder. 168,686, Jan. 27.

Hupp, Arleigh G., New Albany, Ind. Front for a wall oven. 168,687, Jan. 27.
Jay Specialties Products, Inc., assignee: See—
Yancher, William.
Johnson, Beulah A.: See—
Johnson, Lawrence C. and B. A.
Johnson, Lawrence C. and B. A., Westbrook, Maine. Table. 168,688, Jan. 27.
Jones, Charles E., Chicago, Ill., assignor to Transalco Company, Newark, N. J. Finger stall or similar article. 168,689, Jan. 27.
Kalt, Leonard, New York, N. Y. Egg server. 168,690, Jan. 27.
Kandarian, Belle A., Fresno, Calif. Roller skate. 168,691, Jan. 27.
Katz, Julius P., Brooklyn, N. Y. Tray. 168,692, Jan. 27.
Knapp-Monarch Company, assignee: See—
Kochner, William B.
Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Liquefier bowl cover. 168,693, Jan. 27.
Langer, Gustav, assignor to Robt Aircraft Corporation, Chula Vista, Calif. Geometrical instrument. 168,694, Jan. 27.
Leech, Aubrey B., assignor to Econolite Corporation, Los Angeles, Calif. Animated decorative lamp. 168,695, Jan. 27.
Lefkowitz, Meyer, assignor to Lincoln Fabrics Co., Inc., New York, N. Y. Textile fabric or similar article. 168,696, Jan. 27.
Lincoln Fabrics Co., Inc., assignee: See—
Lefkowitz, Meyer.
Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Printing weighing scale. 168,697, Jan. 27.
Marrow, Seymour A., Scaradale, assignor to Harwood Manufacturing Corp., New York, N. Y. Child's pajamas. 168,698, Jan. 27.
McCray, Harold R.: See—
Elledge, Oscar C., and McCray.
Murphy, Robert D., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Twin parking meter. 168,699, Jan. 27.
Nichols, Herbert E., Los Angeles, Calif. Perspiration shield for eyeglasses. 168,700, Jan. 27.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,701, Jan. 27.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,702, Jan. 27.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,703, Jan. 27.
Ornstein, Peter P., Los Angeles, Calif., assignor to Polynesian Sales Corporation, Chicago, Ill. Base for table lamps. 168,704, Jan. 27.
Ornstein, Peter P., Los Angeles, Calif., assignor to Polynesian Sales Corporation, Chicago, Ill. Base for table lamps. 168,705, Jan. 27.
Osborn, Charles L., Denver, Colo. Combined stirrer, spreader, and pickle fork. 168,706, Jan. 27.
Pavenick, Abraham, New York, N. Y. Sun visor mirror unit. 168,707, Jan. 27.
Polynesian Sales Corporation, assignee: See—
Ornstein, Peter P.
Reece, Edward M., New York, N. Y. Glove. 168,708, Jan. 27.
Reinecke, Jean O., and J. W. Hauser, Oak Park, assignors to Hawley Products Company, St. Charles, Ill. Portable typewriter case or similar article. 168,709, Jan. 27.
Revell, Louis A., Los Angeles, Calif. Ash tray. 168,710, Jan. 27.
Richardson, William C., Los Angeles, assignor to Technical Porcelain and Chinaware Co., El Cerrito, Calif. Platter or similar article. 168,711, Jan. 27.
Rittenhouse, Arthur E., Honeoye Falls, N. Y. Card holder. 168,712, Jan. 27.

LIST OF DESIGN PATENTEES

Robt Aircraft Corporation, assignee: *See*—
 Langer, Gustav.
 Rubin, Noah, New York, N. Y. Holder for beverage glasses. 168,713, Jan. 27.
 Schlichtmann, Walter H., San Francisco, Calif. Pneumatic tire. 168,714, Jan. 27.
 Servel, Inc., assignee: *See*—
 Dalley, Donald E.
 Spatz, Walter B., Los Angeles, assignor to Frawley Corporation, Culver City, Calif. Ball-point pen or the like. 168,715, Jan. 27.
 Speers, Samuel F., Providence, R. I., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 168,716, Jan. 27.
 Speers, Samuel F., Providence, R. I., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 168,717, Jan. 27.
 Springer, Raymond L., Cincinnati, Ohio. Pin-up lamp. 168,718, Jan. 27.
 Superior Switchboard & Devices Company, assignee: *See*—
 Murphy, Robert D.

Technical Porcelain and Chinaware Co., assignee: *See*—
 Richardson, William C.
 Thomas, Roger P., Pittsburgh, Pa. Game board. 168,719, Jan. 27.
 Toledo Scale Company, assignee: *See*—
 Little, John M.
 Translon Company, assignee: *See*—
 Jones, Charles E.
 Vaporette, Inc., assignee: *See*—
 Holbrook, Charles F.
 Waldman, John F., Enid, Okla. Vehicle directional signal. 168,720, Jan. 27.
 Winsted Hardware Manufacturing Company, The, assignee: *See*—
 Collura, Francesco.
 Woodin, Rosalie A., Wilmington, Calif. Lamp. 168,721, Jan. 27.
 Yanchor, William, assignor to Jay Specialties Products, Inc., Los Angeles, Calif. Electric broiling unit. 168,722, Jan. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Berenice, assignor to House of Photography, Inc., New York, N. Y. Composition guide. 2,626,467, Jan. 27.
 Abbott, Samuel L., Wilton, N. H. Textile drafting. 2,626,431, Jan. 27.
 Abbott, Samuel L., Wilton, N. H. Centrifuge. 2,626,746, Jan. 27.
 Abrams, Albert A., St. Louis, Mo. Ball-game tray. 2,626,808, Jan. 27.
 Abrams, Howard, University Heights, assignor to Curtil Industries, Inc., Cleveland, Ohio. Key cutting machine. 2,626,663, Jan. 27.
 Abrams, Stanley T., and F. H. Stross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease compositions. 2,626,899, Jan. 27.
 Ace Engineering Company, assignee: *See*—
 Eekstein, Arnold.
 Advance Solvents and Chemical Corporation, assignee: *See*—
 Mack, Gerry P., and Parker.
 Aerofin Corporation, assignee: *See*—
 Frilberg, Lawrence H.
 Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
 Cowan, John C., and Evans.
 Air Products, Incorporated, assignee: *See*—
 Schilling, Clarence J.
 Airlie, John, Glasgow, and W. W. Mackay, Stewarion, Scotland, assignors to Carrick Engineering (Stewarton) Limited, London, England. Grinding attachment. 2,626,488, Jan. 27.
 Ajax Manufacturing Company, The, assignee: *See*—
 Criley, William W.
 Ajero, Fortunato S., Chicago, Ill., assignor to Ezee Flow Corporation. Feeding mechanism for spreader and seeder apparatus. 2,626,729, Jan. 27.
 Aktiengesellschaft Brown, Boveri & Cie., assignee: *See*—
 Waltert, August.
 Albers-Schoenberg, Ernst, Metuchen, assignor to Steatite Research Corporation, Kenosha, N. J. Heavy-metal oxide resistors and making same. 2,626,445, Jan. 27.
 Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous complexes and their preparation. 2,626,954, Jan. 27.
 Alexewicz, Werner G.: *See*—
 McGraw, Richard F., Plotin, and Alexewicz.
 Allen, Charles H., Upper St. Clair Township, Allegheny County, assignor to Atomized Materials Company, Pittsburgh, Pa. Impregnating cloth for repairing metal surfaces. 2,626,873, Jan. 27.
 Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Smoke detector testing means. 2,627,064, Jan. 27.
 Allen, George J., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Gas-solid extrusion reactor. 2,626,856, Jan. 27.
 Allied Chemical & Dye Corporation, assignee: *See*—
 Jung, Werner D., and Saecker.
 Russell, Samuel A., III.
 Allis-Chalmers Manufacturing Company, assignee: *See*—
 Ferguson, Rector C.
 Shaw, Ernest C.
 Woody, Guy V.
 Almgren, August E., Hillside, and J. P. Jakob, Roselle, N. J., assignors to American Can Company, New York, N. Y. Crimping head with laterally movable jaws. 2,626,581, Jan. 27.
 Alvarez, Octavio J., assignor, by means assignments, of one-fourth to M. de Ritzas-Marlenwert, New York, N. Y. Bimetallic switch. 2,627,002, Jan. 27.
 Ambelang, Joseph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rayon tire cord and making same. 2,626,887, Jan. 27.
 Amberg, George: *See*—
 Toombs, Harry B., and Amberg.
 American Brake Shoe Company, assignee: *See*—
 Whisler, Thomas C.
 American Can Company, assignee: *See*—
 Almgren, August E., and Jakob.
 Nordquist, Ronald E. J.
 Schoenfeld, William H., Jr.
 Carnes, Joseph J.
 Price, John A., Thomas, and Padbury.
 Whately, Walter R.
 American Extruded Products Co., Inc., assignee: *See*—
 Stahl, Oscar C.

American Machine & Foundry Company, assignee: *See*—
 Congell, Henry C.
 Gibbs, William J., and Larsen.
 Pearce, Frank G.
 Schonwald, William P.
 American National Dispensing Co., assignee: *See*—
 Lewis, Leroy M., and Leroy M. Lewis, Jr.
 American Viscose Corporation, assignee: *See*—
 Allen, George J.
 Anderson, Adella S., Pittsburgh, Pa. Combination towel and beach bag. 2,626,648, Jan. 27.
 Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Combined video gain and frequency response control. 2,627,022, Jan. 27.
 Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner nozzle and combining tooth construction therefor. 2,626,419, Jan. 27.
 Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Front feed paper gauge. 2,626,696, Jan. 27.
 Appel, Everett H., Aurora, Ill. Discharge arrangement for agricultural loading machines. 2,626,698, Jan. 27.
 Appel, Henry W.: *See*—
 Hiepert, Louis R., and Appel.
 Arbogast, Alva O., Charleston, W. Va. Pressure differential control system for closed steam boiler return systems. 2,626,758, Jan. 27.
 Armentrout, Arthur L., Long Beach, Calif. Recovering lost circulation occurring in productive strata in wells. 2,626,779, Jan. 27.
 Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Cleveland, Ohio. Conveyor belt protective device. 2,626,469, Jan. 27.
 Armington, Raymond Q., Shaker Heights, and W. F. Douhle, Wickliffe, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Floating gear pump. 2,626,570, Jan. 27.
 Armitage & Bertram Limited, assignee: *See*—
 Lodge, Walter B., and Corden.
 Arms, Merton H., and L. J. Barnard, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Diamond boring machine. 2,626,534, Jan. 27.
 Armstrong, George M., and H. A. Cook, Plymouth Meeting, Pa., assignors to The Philip Carey Manufacturing Company, Cincinnati, Ohio. Selective carbonation of slurries and mixtures of calcium and magnesium hydroxide. 2,626,853, Jan. 27.
 Army, United States of America as represented by the Secretary of the, assignee: *See*—
 Hunrath, George.
 Podnos, Selin S., Oderno, and Thompson.
 Ash, John J., Santa Monica, Calif. Film shipping case. 2,626,705, Jan. 27.
 Ashton, Albert A.: *See*—
 Newcomb, Leroy, and Ashton.
 Ashworth, Fred, Wenham, and E. E. Chase, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Combination form and clamp for shaping shoe uppers. 2,626,410, Jan. 27.
 Asper, Wayne S.: *See*—
 Baker, Benjamin P., Friach, Asper, and MacNeill.
 Ateliers de Construction Oerlikon, assignee: *See*—
 Storaand, Bjarne.
 Atlantic Refining Company, The, assignee: *See*—
 Woods, John P.
 Atomized Materials Company, assignee: *See*—
 Allen, Charles H.
 Austin, Bacum O.: *See*—
 Miner, John D., Jr., Austin, and Jesse.
 Automatic Poultry Feeder Company, assignee: *See*—
 Smallegan, Marvin L.
 Ayetta, Albert J., and T. Scardamaglia, Pittsburgh, Pa. Conveyor apparatus for eviscerating shrimp. 2,626,701, Jan. 27.
 Ayers, George W., Chicago, Ill., and E. E. Harton, Laramie, Wyo., assignors to The Pure Oil Company, Chicago, Ill. Sweetening gasoline. 2,626,890, Jan. 27.
 Ayers, Joseph W., Easton, Pa., assignor, by means assignments, to C. K. Williams & Co., East St. Louis, Ill. Purification of cuprous oxide. 2,626,854, Jan. 27.
 Babcock & Wilcox Company, The, assignee: *See*—
 Curtia, Robert W.
 Grossman, Paul R.
 Maxwell, Carl A., and Craven.
 Backman, Rodger J., Rockford, Ill. Shelf support. 2,626,773, Jan. 27.

Bailey, Theodore J., Reno, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Conveyor mechanism. 2,626,699, Jan. 27.

Baker, Benjamin P., Turtle Creek, E. Friach, Pittsburgh, W. S. Aspey, Turtle Creek, and J. B. MacNeill, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Interrupter part of compressed-air breakers. 2,627,005, Jan. 27.

Baker, Donald L., Marietta, assignor to Carrier Corporation, Syracuse, N. Y. Shipping container for refrigeration systems. 2,626,704, Jan. 27.

Baker, James C., South Gate, and J. C. Buchanan, Whittier, Calif., assignors to Norris-Thermador Corporation, Pressed steel bathtub. 2,626,402, Jan. 27.

Baker, Lelle C.: See—
Hough, George H., and Baker.

Balde, John W., J. C. Bregar, and K. L. Chapman, Winston-Salem, N. C., assignors to Western Electric Company, Incorporated, New York, N. Y. Electronic curve tracer. 2,626,980, Jan. 27.

Balke, Clarence W., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electrolytic production of iron. 2,626,895, Jan. 27.

Hall, F. M., & Co., assignee: See—
Russo, Frank P.

Ball, Jack, assignor to Picker X-Ray Corporation Walte Manufacturing Division, Inc., Cleveland, Ohio. Millimetre stabilization. 2,627,035, Jan. 27.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Car wheel grinder. 2,626,492, Jan. 27.

Bantlin, John F., Bridgeport, Conn. Automatic shut-off for printing presses. 2,626,563, Jan. 27.

Bantlin, John F., Bridgeport, Conn. Safety stop for bed and cylinder printing presses. 2,626,564, Jan. 27.

Barber, Hiram L., Newton, and G. L. Sellars, Milford, Ohio. Jaw crusher. 2,626,759, Jan. 27.

Barco, Allen A., Princeton, N. J., assignor to Radio Corporation of America. Electron tube voltage protection circuit. 2,627,051, Jan. 27.

Barnard, Leon J.: See—
Arma, Merton H., and Barnard.

Barnhart, Robert: See—
Mazur, Paul M., and Barnhart.

Barthenheler, Jakob: See—
Neugebauer, Wilhelm, and Barthenheler.

Barton, Murray M., assignor to Injection Molding Company, Kansas City, Mo. Flexible container. 2,626,647, Jan. 27.

Barts, John P., Fort Lauderdale, Fla. Sugar purification. 2,626,878, Jan. 27.

Bakus, Jifi, Prague, assignor to Skoda Works, National Corporation, Pilsen, Czechoslovakia. Device for packing fibrous masses. 2,626,702, Jan. 27.

Baur, Frederic J.: See—
Lange, Willy, and Baur.

Bayar, Robert C., Jamaica Estates, N. Y. Universal indicator gauge. 2,626,462, Jan. 27.

Bell & Gossett Company assignee: See—
Tidd, Edwin B.

Bell, Persa R., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Automatic frequency control. 2,627,024, Jan. 27.

Bell Telephone Laboratories, Incorporated, assignee: See—
Holman, Erwin W.
Kock, Winston G.
Lavery, Grant E.
MacWilliams, Walter H., Jr.
Pierce, John R.
Shive, John N.
Townsend, Mark A.
Weaver, Allan.

Beloit Iron Works, assignee: See—
Hornbostel, Lloyd.

Bendix Aviation Corporation, assignee: See—
Betcher, Wesley E.
Lauer, Leon N.
Meyers, Robert E.
Mock, Frank C.
Price, Earl R.
Torach, Charles E.
Trautman, Walter C., and Meddock.

Bendix-Westinghouse Automotive Air Brake Company, assignee: See—
Turek, Thomas J.

Benes, John J., Jr., assignor to Continental Electric Company, Geneva, Ill. Cathode for photocells. 2,627,044, Jan. 27.

Benson, Robert W.: See—
Mayo, Clyde R., and Benson.

Bentley, George K., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind. Open-top refrigerated display case. 2,626,508, Jan. 27.

Berg, Charles H., Kansas City, Mo. Controlling means for battery chargers. 2,627,060, Jan. 27.

Berger Brothers Company, The, assignee: See—
Vernoy, Irving R.

Berghoff, Matthew W.: See—
Creson, William K., and Berghoff.

Berninger, Kenneth L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller feathering. 2,626,668, Jan. 27.

Berry, Clifford E.: See—
Washburn, Harold W., and Berry.

Berutler, Francis E., Middletown, assignor of thirty-three and one-third per cent to C. V. Hoke, Hummelstown, and thirty-three and one-third per cent to E. O. Brubaker, Elizabethtown, Pa. Spark plug. 2,626,595, Jan. 27.

Best, Chris E.: See—
Eberly, Kenneth C., and Best.

Bestlin, Herbert, assignor to Farbwerke Hoechst vermal Melster Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany. Polymerization products and preparing them. 2,626,931, Jan. 27.

Betcher, Wesley E., Utica, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,626,790, Jan. 27.

Bezy, Georges, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electronic device for very high frequencies. 2,627,050, Jan. 27.

Biddison, John M., assignor to H. W. Moore, Dayton, Ohio. Wire guiding device. 2,626,705, Jan. 27.

Blahop, Alfred E., Dayton, Ohio, assignor to Superior Sugar Refining Company, Menominee, Mich. Extraction of pectin from sugar beet pulp. 2,626,706, Jan. 27.

Black, Sivalis & Bryson, Inc., assignee: See—
Kimmell, Garman O.

Blair, Athol E., Santa Cruz, Calif. Valve closing mechanism for water closets. 2,626,399, Jan. 27.

Blair, Athol E., Santa Cruz, Calif. Water-saving device for flush tanks. 2,626,401, Jan. 27.

Blaker, George H., Moorestown, and E. B. Cain, Collingswood, N. J., assignors to Radio Corporation of America. Positioning structure for cathode-ray tubes. 2,627,066, Jan. 27.

Blaw-Knox Company, assignee: See—
Wolf, Anthony S., and Zigan.

Blaze, Joseph, Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket assembly. 2,626,442, Jan. 27.

Blaze, Joseph, Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket assembly. 2,626,443, Jan. 27.

Boeing, Harry H., Lake Zurich, Ill., assignor to The Bauland Corporation. Cathode-ray tube electrode. 2,627,047, Jan. 27.

Boese, Alvin W., White Bear Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Nonwoven rayon fabric. 2,626,883, Jan. 27.

Bogemann, Max: See—
Lober, Friedrich, Bogemann, and Wegler.

Bohnker, Thomas W., Geneva, assignor to Deere & Company, Moline, Ill. Lifter for beet harvesters. 2,626,497, Jan. 27.

Bond, Donald S.: See—
Hansell, Clarence W., and Bond.

Boosey, Lawrence N., Talladega, Ala., assignor to Munro-Van Helms Company. Drainage fitting. 2,626,674, Jan. 27.

Booth, James H., Detroit, Mich. Douche appliance. 2,626,605, Jan. 27.

Bosonworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Heat transfer corrector for electronic molds. 2,626,428, Jan. 27.

Bouget, Yves A., West Orange, and C. E. Magnuson, Haverbrook Heights, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Locking type clutch. 2,626,821, Jan. 27.

Boyce Thompson Institute for Plant Research, Inc., assignee: See—
Zimmerman, Percy W., and Hitchcock.

Boyd, Donald A., Detroit, Mich. Oil seal. 2,626,822, Jan. 27.

Bregar, Joseph P.: See—
Balde, John W., Bregar, and Chapman.

Bromley, Richard N., Philadelphia, Pa., assignor to The Sperry Corporation. Automatic speed control system. 2,626,707, Jan. 27.

Brown, Albert A., Danville, Calif., assignor to United States of America as represented by the United States Atomic Energy Commission. Comparative photometer. 2,626,980, Jan. 27.

Brown & Higelow, assignee: See—
Winford, Orton P.

Brown, Frank E., Hurbank, assignor to F. M. Turnbull, Los Angeles, Calif. Applicator for semi-solid stick material. 2,626,847, Jan. 27.

Brown, Grant S., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for controlling the plasticity of extrudable materials in an extruding apparatus. 2,626,427, Jan. 27.

Brown, Leslie R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Conversion from direct current to double voice frequency impulsing. 2,626,996, Jan. 27.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for measuring the modulus of compression of rubberlike material. 2,626,522, Jan. 27.

Brown, William E.: See—
Lawson, John W., and Brown.

Browning, Val A., Ogden, Utah. Cartridge carrier for repeating shotguns. 2,626,475, Jan. 27.

Brubaker, Ezra O., assignee: See—
Berstler, Francis E.

Brundrett, George A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,626,685, Jan. 27.

Bryant Chucking Grinder Company, assignee: See—
Arma, Merton H., and Barnard.

Buchanan, John C.: See—
Baker, James C., and Buchanan.

Buckeye Iron & Brass Works, assignee: See—
Hillman, Othello M.

Buckeye Steel Castings Company, The, assignee: See—
Orr, Claude L.

Rudd Company, The, assignee: See—
Coombs, Joseph H.

Bule, Emerson D., Washington, D. C. Diving suit. 2,626,602, Jan. 27.

Burcham, Walter E., Elkin, N. C. Shuttle box front for looms. 2,626,636, Jan. 27.

Burkhardt, Otto M., Euclid, Ohio. Pressure cooker. 2,626,560, Jan. 27.

Burkhardt, Otto M., Euclid, Ohio. Cooking utensil. 2,626,726, Jan. 27.

Burkholder, Melvin S.: See—
Hardy, Wilbur G., and Burkholder.

Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Load equalizing device for thrust bearings. 2,626,842, Jan. 27.

Buroker, Leo R., Dallas, Tex. Ash tray. 2,626,615, Jan. 27.

Buroker, Leo R., Dallas, Tex. Ash tray. 2,626,616, Jan. 27.

Burrell, William E., Portland, Oreg. Lubricator for wheel hanges. 2,626,680, Jan. 27.

Burton-Dixie Corporation, assignee: See—
Wesley, Arthur.

Bush, J. E., assignee: See—
Quosa, Henry N.

Butow, Stanley H., Wilmette, Ill. Moisture collector for flush tanks. 2,626,403, Jan. 27.

Byrns, Alva C., Concord, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Production of sodium semicarboxylate from a brine containing a substantial sodium carbonate content. 2,626,852, Jan. 27.

C.O.-Two Fire Equipment Company, assignee: See—
Allen, Frank H.

Cahoon, Una T., assignee: See—
Cahoon, William F.

Cahoon, William F., Birmingham, Ala., assignor, by decree of distribution, to U. T. Cahoon. Pneumatically operated sawmill dog. 2,626,640, Jan. 27.

Cain, Elmer R.: See—
Blaker, George H., and Cain.

California Packing Corporation, assignee: See—
Morine, Charles V.

California Research Corporation, assignee: See—
Darragh, John L., and Johnson.

Calosi, Carlo L., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic position and motion control system. 2,627,055, Jan. 27.

Campbell, Joseph G., Santa Barbara, Calif. Eye bath device. 2,626,606, Jan. 27.

Carey, Philip, Manufacturing Company, The, assignee: See—
Armstrong, George M., and Cook.

Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,626,440, Jan. 27.

Carlin, Frank J., Upper Saddle River, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymerization of polyolefinic esters of 2-alkenyl alcohols with certain monolefinic hydrocarbons. 2,626,945, Jan. 27.

Carlton, William C., Hornchurch, England. Shuttlecock and making. 2,626,805, Jan. 27.

Carlton, William C., Hornchurch, England. Shuttlecock. 2,626,806, Jan. 27.

Carlton, William C., Hornchurch, England. Molded shuttlecock. 2,626,807, Jan. 27.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Antistatic treatment of articles comprising a vinyl resin and treated articles. 2,626,876, Jan. 27.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of articles comprising a vinyl resin with an antistatic agent and treated articles. 2,626,877, Jan. 27.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for liquid-liquid contacting. 2,626,889, Jan. 27.

Carrick Engineering (Stewarton) Limited, assignee: See—
Arlie, John, and Mackay.

Carrier Corporation, assignee: See—
Baker, Donald L.
Osborn, Samuel C.

Carton Engineering Corporation, assignee: See—
Samsing, Rolf A.

Casco Products Corporation, assignee: See—
Westlake, Allen T., Jr.

Castellano, James, New York, N. Y. Flushing valve for toilet tanks. 2,626,400, Jan. 27.

Celanese Corporation of America, assignee: See—
Skelat, Irving, and McFarlane.

Central Mine Equipment Company, assignee: See—
Huckahold, Elmer J.

Certified Burglar Alarm Systems, Incorporated, assignee: See—
Poulson, Frank E.

Chamberlain, George H., San Jose, Calif. Device for trimming sheet material. 2,626,665, Jan. 27.

Chamberlain, Joseph F., Chicago, Ill. Foldable golf cart. 2,626,814, Jan. 27.

Chamberlain, Joseph F., Chicago, Ill. Collapsible golf cart. 2,626,815, Jan. 27.

Chapman, Kenneth L.: See—
Balde, John W., Bregar, and Chapman.

Chase, Ernest E.: See—
Ashworth, Fred, and Chase.

Chenick, Joseph A., Bensenville, assignor to Universal Oil Products Company, Chicago, Ill. Extraction of olefinic hydrocarbon mixtures. 2,626,959, Jan. 27.

Chester, Frank R., Santa Monica, Calif. Adjustable measuring vessel. 2,626,526, Jan. 27.

Chicago Nipple Manufacturing Company, assignee: See—
Maraden, George B.

Chick, Lloyd E., Chicago, Ill. Protective device for magnetic recorders. 2,626,760, Jan. 27.

Christian, Raymond A., P. H. Williams, J. R. Ganger, A. R. Colley, A. J. Strachan, W. L. Paden, J. H. Crawford, H. C. Johnson, R. H. Gelger, and R. C. Mitchell, assignors to The National Cash Register Company, Dayton, Ohio. Overdraft mechanism for accounting machines. 2,626,749, Jan. 27.

Christian, Raymond A., H. C. Johnson, and P. H. Williams, assignors to The National Cash Register Company, Dayton, Ohio. Carriage operated controlling mechanism for accounting machines. 2,626,750, Jan. 27.

Chrysler Corporation, assignee: See—
Cuskie, Herman C.

Clark, Jared W., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Production of vinyl fluoride. 2,626,963, Jan. 27.

Clarke Sanding Machine Company, assignee: See—
Peterson, William L.

Cleveland Instrument Company, assignee: See—
Graham, Erwin W.

Clue, Earl E.: See—
Mueller, Lucien W., and F. H., and Cline.

Coldiron, Harold A., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Tape cutter. 2,626,666, Jan. 27.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Newark, N. J. Plug-in distribution panel board. 2,626,984, Jan. 27.

Colley, Arthur R.: See—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Gelger, and Mitchell.

Collins, Jack B., Isleworth, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Automatically controlled calendar. 2,626,423, Jan. 27.

Collins, Jack B., Isleworth, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Static conductivity measuring device. 2,626,982, Jan. 27.

Collison, Curtis L., Cranston, R. I. Comb. 2,626,618, Jan. 27.

Colton, Ralph E., assignor to Dry-Freeze Corporation, Chicago, Ill. Closure for bottles and the like. 2,626,607, Jan. 27.

Comb-A-Flea Co., Inc., assignee: See—
Sullivan, John L.

Compagnie Generale de Telegraphie Sans Fil, assignee: See—
Bezy, Georges.

Congell, Henry C., Belmont, N. Y., assignor to American Machine & Foundry Company. Bowling ball handling apparatus. 2,626,803, Jan. 27.

Conn, Richard D.: See—
Munday, Richard B., and Conn.

Consolidated Engineering Corporation, assignee: See—
Washburn, Harold W., and Berry.

Conti, Alfred R., assignee: See—
Spelcher, Elmer W.

Continental Electric Company, assignee: See—
Benes, John J., Jr.

Coogan, John E., Carbondale, Pa. Alarm control for clocks and photoelectric switches. 2,626,662, Jan. 27.

Cook, Curtis L., and A. E. Young, Syracuse, N. Y., and J. H. Edman, Dubuque, Iowa, assignors, by mesne assignments, to Deere & Company, Moline, Ill. Bulldozer. 2,626,470, Jan. 27.

Cook, H. Albert: See—
Armstrong, George M., and Cook.

Cooke, Henry H., and D. Russo, Elizabeth, N. J., assignors to Standard Oil Development Company. Wax and all-cone oil auto polish. 2,626,870, Jan. 27.

Coombs, Joseph H., Jenkintown, assignor to The Budd Company, Philadelphia, Pa. Inertia-controlled switch device. 2,626,998, Jan. 27.

Cooper, Joseph, Forest Hills, N. Y. Metal slide assembly for extension tables. 2,626,844, Jan. 27.

Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. α -acylamido acrylic acids. 2,626,944, Jan. 27.

Copperweld Steel Company, assignee: See—
Morgan, Charles.

Coppoc, William J.: See—
Dilworth, John P., Eckert, and Coppoc.

Corden, Geoffrey A.: *See*—
Lodge, Walter B., and Corden.
Corson, John H., E. A. Suverkrop, and D. Lewis, assignors to J. A. Roebbing's Sons Company, Trenton, N. J. Method of and apparatus for welding and annealing metal articles. 2,627,009, Jan. 27.
Coughlin, Jack M., Cleveland, Ohio, assignor to General Electric Company. Manufacturing cathode mounts. 2,626,637, Jan. 27.
Coventry Gauge & Tool Company Limited, assignee: *See*—
Reading, Harold C.
Cowan, John C., Peoria, and C. D. Evans, Peoria Heights, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils with starch phosphates. 2,626,951, Jan. 27.
Cox, Robert E.: *See*—
Silver, Walter H., and Cox.
Coyle, William J., Waltham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheathed plug connector. 2,626,978, Jan. 27.
Craved, John P.: *See*—
Maxwell, Carl A., and Craven.
Crawford, James H.: *See*—
Christian, Raymond A., Williams, Ganzer, Colley, Strachan, Paden, Crawford, Johnson, Gelger, and Mitchell.
Creach, Jesse E., Jacksonville, Fla. Cell construction. 2,626,686, Jan. 27.
Creson, William K., and M. W. Berghoff, assignors to Ross Gear & Tool Company, La Fayette, Ind. Bearlog seal. 2,626,830, Jan. 27.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Making forged blanks and forgings. 2,626,453, Jan. 27.
Crowley, John A., Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for hydrocarbon conversion. 2,626,857, Jan. 27.
Curtis Industries, Inc., assignee: *See*—
Abrams, Howard.
Curtis, Robert W., Alliance, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid heating system. 2,626,795, Jan. 27.
Curtis, Thomas H., Redbank, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Processing machine having a treatment tank and an elevator mechanism. 2,626,621, Jan. 27.
Cuskie, Herman C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Automotive vehicle stabilizing means. 2,626,797, Jan. 27.
Dallenbach, Frederick: *See*—
Paylevka, Vladimir H., and Dallenbach.
Darragh, John L., Alamo, and G. B. Johnson, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Deodorization of monoaryl substituted alkanes. 2,626,967, Jan. 27.
Date, Roy M., assignee: *See*—
Date, Tod M.
Date, Tod M., Seattle, assignor of one-third to R. M. Date, Friday Harbor, Wash. Hoist. 2,626,305, Jan. 27.
Davies, Leonard G., Great Bookham, England. Air distributor. 2,626,556, Jan. 27.
Davis, Loraine, Milwaukee, Wis. Cushion pad. 2,626,304, Jan. 27.
Davis, Michael, Brooklyn, N. Y., and W. Jindela, Union City, assignors to Protei Products Company, Inc., Jersey City, N. J. Travel bag. 2,626,686, Jan. 27.
Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Vulcanizing. 2,626,430, Jan. 27.
Dayton, Herbert P.: *See*—
McCutley, John H., and Dayton.
Deakin, Alfred, Detroit, Mich. Height gauge. 2,626,463, Jan. 27.
Dearborn Motors Corporation, assignee: *See*—
Frevik, Ralph C.
De Beze, George I., Cincinnati, Ohio, assignor to Schenley Industries, Inc. Biotinized feed and making the same. 2,626,868, Jan. 27.
Decatur Pump Company, assignee: *See*—
Hurks, Arthur W.
Deere & Company, assignee: *See*—
Bohmker, Thomas W.
Cook, Curtiss L., Young, and Edman.
Oehler, William P., and Youngberg.
Silver, Walter H., and Cox.
Deere, John, Van Brunt Company, assignee: *See*—
Starr, John H.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,901, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,902, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,903, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,904, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,905, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,906, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,907, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,908, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,909, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,910, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,911, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,912, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,913, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,914, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,915, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,916, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,917, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,918, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,919, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,920, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,921, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,922, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,923, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,924, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,925, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,926, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,927, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,928, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,929, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Acidic fractional ester of a polycarboxylic acid with oxypropylated glucose. 2,626,933, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Oxypropylated allyl starch. 2,626,937, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Acidic fractional ester of a polycarboxylic acid with oxypropylated allyl starch. 2,626,938, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Mixtures of oxyalkylated alkyl phenol-aldehyde resins. 2,626,942, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Esters of polycarboxylic acids and oxypropylated 2,2'-methylenebis (4-methyl-6-tert-butylphenol). 2,626,958, Jan. 27.
De Mengel, Gaston P., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric wave generator. 2,627,032, Jan. 27.
Dennison Manufacturing Company, assignee: *See*—
Flood, Carl A.
De Reitz-Marienwert, Maria, assignee: *See*—
Alvarez, Octavio J.
Derror, Fred L., and R. P. Gramly, assignors of one-half to Farm Tools, Inc., Mansfield, and one-half to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle mounted implement. 2,626,530, Jan. 27.
Dewey and Almy Chemical Company, assignee: *See*—
Merrill, Edward W.

Dexter Folder Company, assignee: *See*—
Martin, George A.
Dickey, Joseph B.: *See*—
Coover, Harry W., Jr., and Dickey.
Dickleson, Edward F., Jr., deceased, Detroit, Mich.; N. L. Dickleson, executrix, assignor to N. L. Dickleson. Refrigeration control mechanism. 2,626,500, Jan. 27.
Dickleson, Edward F., Jr., deceased, Detroit, Mich.; N. L. Dickleson, executrix, assignor to N. L. Dickleson. Apparatus for controlling refrigerating systems. 2,626,507, Jan. 27.
Dickleson, Nathalie L., executrix, assignee: *See*—
Dickleson, Edward F., Jr.
Dilworth, John P., Flahkili, G. W. Eckert, Glenham, and W. J. Coppoc, Beacon, assignors to The Texas Company, New York, N. Y. Preparing alkali metal greases. 2,626,896, Jan. 27.
Dilworth, John P., Flahkili, G. W. Eckert, Glenham, and W. J. Coppoc, Beacon, assignors to The Texas Company, New York, N. Y. Preparing alkali metal greases. 2,626,898, Jan. 27.
Dobrinich, Charles A., Jr., Staunton, Ill. Root ripping attachment for bulldozers. 2,626,468, Jan. 27.
Dons, Eddie M., Tulsa, and J. V. Stevens, Oakhurst, Okla. Pipe coupling. 2,626,820, Jan. 27.
Dorf, Charles J., Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Backfire arrester. 2,626,860, Jan. 27.
Double, Walter F.: *See*—
Armington, Raymond Q., and Double.
Dow Chemical Company, The, assignee: *See*—
Hoogsteen, Harold M., and Peterson.
Dritz, Arthur, Brooklyn, assignor to John Dritz & Sons, New York, N. Y. Doorstop. 2,626,826, Jan. 27.
Dritz, John, & Sons, assignee: *See*—
Dritz, Arthur.
Dry-Freeze Corporation, assignee: *See*—
Colton, Ralph F.
Dubach, Lena E., Kansas City, Mo. Folding tray. 2,626,845, Jan. 27.
Duffy, Cyrus P., Brooklyn, N. Y. Dishwashing apparatus. 2,626,622, Jan. 27.
Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile bobbin. 2,626,764, Jan. 27.
Dunlop, James, Philadelphia, Pa. Multiple tap resistance unit and making the same. 2,627,008, Jan. 27.
Dunnock, William M., Baltimore, Md. Clothline reel and tightener. 2,626,763, Jan. 27.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Webster, Lawrence J.
Duren, Robert B., Oakland Park, Fla. Therapeutic heater. 2,627,018, Jan. 27.
Duro Metal Products Co., assignee: *See*—
Hess, Theophil A.
Dutra, Frank A., Wyckoff, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Grounding terminal. 2,626,973, Jan. 27.
Eagle-Picher Company, The, assignee: *See*—
Milton, Louis J.
Eastman Kodak Company, assignee: *See*—
Coover, Harry W., Jr., and Dickey.
Eaves, William C., Elyria, Ohio. Heating device for window cleaners. 2,627,011, Jan. 27.
Eberly, Kenneth C., Akron, and C. E. Beat, Uniontown, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of methylstannic acid. 2,626,955, Jan. 27.
Eberly, Kenneth C., Akron, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. 1,2,3,6-tetrachloro-1,5-cyclooctadiene. 2,626,961, Jan. 27.
Eberly, Kenneth C., Akron, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of 2,3-dichloro-1,3-butadiene by dehydrochlorination of 1,2,3,4-tetrachlorobutane. 2,626,964, Jan. 27.
Eckert, George W.: *See*—
Dilworth, John P., Eckert, and Coppoc.
Eckstein, Arnold, McHenry, assignor to Ace Engineering Company, Chicago, Ill. Valve construction. 2,626,635, Jan. 27.
Edman, John H.: *See*—
Cook, Curtiss L., and Young, and Edman.
Egoroff, Leo: *See*—
Penkoff, Theodore, and Egoroff.
Eller, Joseph C., and W. E. Lyon, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. 2,626,649, Jan. 27.
Ekins, William J. S., Cleveland, Ohio. Calking gun assembly. 2,626,731, Jan. 27.
Electric Steam Cleaner Manufacturing Corporation, assignee: *See*—
Hackman, William C.
Electronic Switch and Signal Company, assignee: *See*—
Richards, Harry W.
Emhart Manufacturing Company, assignee: *See*—
Merrill, Donald G.
Emaco Derrick & Equipment Company, assignee: *See*—
Newcomb, Leroy, and Ashton.
English Electric Company Limited, The, assignee: *See*—
Kinsella, John, and Robertson.
Engstrand, John A.: *See*—
Maxwell, Wilber A., and Engstrand.

Frige Corporation of America, assignee: See—
Glaser, Daniel.
Frisch, Erling: See—
Baker, Benjamin P., Frisch, Aspey, and MacNeill.
Frisone, John, Lynn, Mass. Hydraulic mechanism for imparting a rotary motion to a member. 2,626,504, Jan. 27.
Fritzsche, Lawrence H., assignor to Aerofoil Corporation, Syracuse, N. Y. Heat exchanger. 2,626,783, Jan. 27.
Fromson, Howard A., New York, N. Y. Gas holder. 2,626,859, Jan. 27.
Frum, Samuel, New York, N. Y. Temple retaining device. 2,626,538, Jan. 27.
Frush, William H., Atwood, Ind. Hat hanger. 2,626,712, Jan. 27.
Frye, Jason L., Denison, and J. W. Frye, Fort Worth, Tex. Spraying head. 2,626,835, Jan. 27.
Frye, Jason W.: See—
Frye, Jason L., and J. W.
Fuller, Russell W., assignee: See—
Thomas, Orrin H.
Gabler, Joseph, Zurich, Switzerland. Container for paaty substances. 2,626,730, Jan. 27.
Gabriel, Daniel, Bonny Blue, Va. Hypodermic syringe. 2,626,603, Jan. 27.
Galera, José, Rosario, Argentina. Rotary and reciprocating multiple valve. 2,626,810, Jan. 27.
Ganger, Jesse R.: See—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.
Garber, Otha A., Clayton, Mo. assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler centering device. 2,626,716, Jan. 27.
Garbinkel, Raak N., Lynn, Mass. Wrinkle remover for shoes. 2,626,793, Jan. 27.
Garland, Mather, Mound, Minn. Clamp for umbilical cords and the like. 2,626,608, Jan. 27.
Gates, Paul E., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical crystal unit. 2,626,985, Jan. 27.
Gaubert, Rene J., Oakland, Calif. assignor to Simplex Packaging Machinery, Inc. Bag sealing machine. 2,626,495, Jan. 27.
Gehrige, Lawrence: See—
Seeler, Alfred O., and Gehrige.
Geiger, Robert H.: See—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.
General Building Units, Inc., assignee: See—
Roush, Alan D., and Stola.
General Electric Company, assignee: See—
Coughlin, Jack M.
Hinman, Donald D.
Lamb, Fredrick S.
Lemmers, Eugene.
Pipkin, Marvin.
Savage, Robert H.
General Motors Corporation, assignee: See—
Herninger, Kenneth L.
Brundrett, George A.
Lamm, Lewis J.
Lawson, John W., and Brown.
Moore, Richard E.
Moore, Richard E., and Mack.
Olson, Theodore A.
Wallace, De Lora D., and Erickson.
Gerke, Roscoe H., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Self-sealing fuel cell. 2,626,882, Jan. 27.
Geener, Carleton P., New Haven, Conn. Tool supporting arm for radial saws. 2,626,638, Jan. 27.
Gibbons, Willis A., Montclair, and T. J. Rhodes, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y. Sldewall actuated tire pump. 2,626,650, Jan. 27.
Gibbs, William J., and C. H. Larsen, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Material receiving, storing, and dispensing apparatus. 2,626,727, Jan. 27.
Gilton, Paul K., Millville, Pa. Fountain brush for sanitary pipe washing equipment. 2,626,413, Jan. 27.
Gladding, McRean & Co., assignee: See—
Zinsner, William K.
Glance, William K., White Haven, Pa. Lighted cigarette holder. 2,626,613, Jan. 27.
Glaser, Daniel, assignor to Frige Corporation of America, Chicago, Ill. Stick-holding device. 2,626,830, Jan. 27.
Gleason, Howard S., Rochester, N. Y., assignor to Stromberg-Carlson Company. Control device. 2,627,056, Jan. 27.
Gloria Figure, Inc., assignee: See—
Slevens, Robert.
Glymph, Eaklin M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Purifying and concentrating hevea rubber latex. 2,626,969, Jan. 27.
Glyptis, Nicholas D., Chicago, Ill. Photorelay circuit. 2,627,036, Jan. 27.
Goldberg, Arnold: See—
Rosenberger, Albert J., and Goldberg.
Goldberg, Moses W., Upper Montclair, and W. E. Scott, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 1,4-dioxo-5-(nitrophenyl)-1,4,4a,5,8a-hexahydronaphthalene. 2,626,960, Jan. 27.
Gollings, Archie H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making washing machine liners. 2,626,885, Jan. 27.
Goodrich, R. F., Company, The, assignee: See—
Gregory, James T.
Gorton, George, Machine Co., assignee: See—
Essekala, Theodore F.
Graham, Erwin W., Parma Heights, Ohio, assignor, by means assignments, to Cleveland Instrument Company. Measuring device. 2,627,062, Jan. 27.
Gramly, Ralph P.: See—
Derror, Fred L., and Gramly.
Grand Union Company, The, assignee: See—
Just, George A.
Grant Oil Tool Company, assignee: See—
Maxwell, Wilber A., and Engstrand.
Great Lakes Carbon Corporation, assignee: See—
Miscall, Jack.
Miscall, Jack, and Rahr.
Green, Isaac H. C., assignor to Hemphill Company, Pawtucket, R. I. Knitting. 2,626,510, Jan. 27.
Greenberg, Stanley D., Philadelphia, Pa. Apparatus for measuring yardage of decated material. 2,626,536, Jan. 27.
Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction of alpha-thiocyanate carbonyl compounds with primary amines and their acid salts. 2,626,949, Jan. 27.
Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. 2-haloimino-4-thiazolines. 2,626,950, Jan. 27.
Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Bar feed means. 2,626,450, Jan. 27.
Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Stock feed mechanism. 2,626,451, Jan. 27.
Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Stock feed mechanism. 2,626,452, Jan. 27.
Grindle, Charles R., Winona Lake, and F. I. Saemann, assignors to Orthopedic Equipment Co., Bourbon, Ind. Artificial arm. 2,626,398, Jan. 27.
Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid heating system. 2,626,794, Jan. 27.
Guarantee Specialty Manufacturing Company, The, assignee: See—
Wright, Richard H., and Zay.
Guthrie, Fermin, Lynwood, Calif. Collapsible trailer. 2,626,832, Jan. 27.
Gwin, Robert C., Jr., Barrington, R. I. Pencil sharpener. 2,626,593, Jan. 27.
Gwinn, Myron B., and L. Whitehead, Denver, Colo.; said Whitehead assignor to said Gwinn. Combined tie hanger and cover. 2,626,735, Jan. 27.
Haback, Bruce W., assignor to Wingfoot Corporation, Akron, Ohio. Water impermeable, water vapor permeable coating. 2,626,941, Jan. 27.
Hackman, William C., Silver Spring, assignor to Electric Steam Cleaner Manufacturing Corporation, Chevy Chase, Md. Electric steam generator and cleaner. 2,627,015, Jan. 27.
Haferkamp, Ethel K., assignee: See—
Fletcher, Frank H., Jr.
Haferkamp, Mary E., assignee: See—
Fletcher, Frank H., Jr.
Hahn, Frank J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Linoleum scratch compositions. 2,626,936, Jan. 27.
Haloid Company, The, assignee: See—
Mayo, Clyde R., and Benson.
Hamer, Francis R., West Asheville, N. C. Combined cigarette holder, casing, and stand. 2,626,614, Jan. 27.
Hand, Wilfred C., Mountaineer, N. J. Seafood spoilage indicating system. 2,626,855, Jan. 27.
Hansell, Clarence W., Port Jefferson, N. Y., and D. S. Bond, Princeton, N. J., assignors to Radio Corporation of America. Airborne transoceanic radio relay system. 2,627,021, Jan. 27.
Hansen, Fred A., Fond du Lac, Wis. Milk cooler. 2,626,784, Jan. 27.
Hansen, Siegfried, Los Angeles, Calif. Stepping motor. 2,627,040, Jan. 27.
Hanson-Van Winkle-Munning Company, assignee: See—
Curtis, Thomas H.
Hanse, Arthur R.: See—
Weisblatt, David I., and Hanse.
Hardy, Wilbur G., Wapakoneta, and M. S. Burkholder, Beaverdam, Ohio. Power steered garden tractor. 2,626,671, Jan. 27.
Harlow, Earl V., Beaver, Pa., assignor to Koppers Company, Inc. Diffusion process. 2,626,679, Jan. 27.
Harman, Silsby D., Galesburg, Ill. Shower bath spray head thermometer. 2,626,524, Jan. 27.
Harper, Lyndus E., Chicago, Ill., assignor to Omega Machine Company, Providence, R. I. Proportioning device. 2,626,728, Jan. 27.
Harper, Lyndus E., Chicago, Ill., assignor to Omega Machine Company, Providence, R. I. Proportioning device. 2,626,787, Jan. 27.
Harris-Seybold Company, assignee: See—
Spiller, William R.

Harrison, George, Berwyn, Ill., assignor to National Lead Company, New York, N. Y. Palletizing skid. 2,626,456, Jan. 27.
Harton, Erskine E.: See—
Ayers, George W., and Harton.
Hauck Manufacturing Co., assignee: See—
Parker, Melvin J., and Turpin.
Hawthorne, Charles W., Jr., Cucamonga, assignor to Mineral Wool Insulations Company, Fontana, Calif. Method and apparatus for production of mineral wool. 2,626,424, Jan. 27.
Hawthorne, Charles W., Jr., Cucamonga, and C. T. Sanders, Ontario, assignors to Mineral Wool Insulations Company, Fontana, Calif. Apparatus for the production of mineral wool. 2,626,425, Jan. 27.
Hedler, Edwin C., Chicago, Ill. Mechanical push-type lead pencil. 2,626,592, Jan. 27.
Holland, Carl A., Denver, Colo. Apparatus for aerogravimetric prospecting. 2,626,525, Jan. 27.
Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Letter-feed mechanism for typewriters and like machines. 2,626,694, Jan. 27.
Helfert, Louis R., Rochester, and H. W. Appel, Penfield, N. Y., assignors to Stromberg-Carlson Company. Television receiver horizontal deflection circuit. 2,627,052, Jan. 27.
Hemphill Company, assignee: See—
Green, Isaac H. C.
St. Pierre, Eugene.
Hense, Otto C. W., New York, and J. L. Sweeney, Jackson Heights, N. Y., said Hense assignor to said Sweeney. Space controlling mechanism for multipitch escapement typewriters. 2,626,693, Jan. 27.
Herron, Charles, assignor to G. M. Sullivan, Stillwater, Minn. Sprinkler head. 2,626,836, Jan. 27.
Hersch, Sam, Los Angeles, Calif. Ventilator. 2,626,557, Jan. 27.
Heas, Theophil A., assignor to Duro Metal Products Co., Chicago, Ill. Belt and pulley drive means for tiltable saws and the like. 2,626,639, Jan. 27.
Hewitt, Elmer S., Wilmette, Ill. Door latch. 2,626,824, Jan. 27.
Hillman, Othello M., Detroit, Mich., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Automatic shutoff valve. 2,626,632, Jan. 27.
Hinman, Donald D., Chagrin Falls, Ohio, assignor to General Electric Company. Movable contact base. 2,626,977, Jan. 27.
Hitchcock, Albert E.: See—
Zimmerman, Percy W., and Hitchcock.
Hodgson, Kenneth G.: See—
Wright, Frank C., Hodgson, and Roche.
Hodson, Garold: See—
Hodson, Layne O., and G. and Ross.
Hodson, Layne O., Layton, G. Hodson and C. Ross, Ogden; assignors of one-third to said L. O. Hodson and said G. Hodson, one-third to B. W. Wilson, and one-third to P. A. Mallinckrodt, Salt Lake City, Utah. Broadcasting and intercommunication system. 2,626,995, Jan. 27.
Hoehn, August, Brooklyn, N. Y. Window alarm. 2,626,584, Jan. 27.
Hoenecke, Walter J., assignor of one-half to C. E. Van Duser, Milwaukee, Wis. Rotary positive displacement pump. 2,626,571, Jan. 27.
Hoffar, Charles F., assignee: See—
Simpson, Lynn L., and Weakland.
Hoffar Enterprises, Inc., assignee: See—
Simpson, Lynn L., and Weakland.
Hoffmann-La Roche Inc., assignee: See—
Finkelstein, Jacob, and Lee.
Goldberg, Moses W., and Scott.
Hofmann, Alfred, Needle Works, Inc., assignee: See—
Schoeneter, Peter J.
Hohwart, Ernest F.: See—
Hohwart, George and E. F.
Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Expansion arbor. 2,626,811, Jan. 27.
Hoke, Charles V., assignee: See—
Berstler, Francis E.
Hollerith, William J., New York, N. Y. Hypodermic needle cleaning apparatus. 2,626,624, Jan. 27.
Hollinger, Jay L., Hershey, Pa. Infrared lamp brooder. 2,627,016, Jan. 27.
Holm, Carl B., Roulags-Nagby, Sweden. Connecting structural parts. 2,626,455, Jan. 27.
Holman, Erwin W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal delay device. 2,626,692, Jan. 27.
Hoogsteen, Harold M., and N. R. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Alkyds and varnishes comprising same. 2,626,939, Jan. 27.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Fluid pressure sealed garter strap for cylinder molds. 2,626,543, Jan. 27.
Horton, Francis B., Salisbury, Md. Hydraulic control valve. 2,626,630, Jan. 27.
Hotton, Francis B., Salisbury, Md., and L. A. Medlar, Orland, Pa. Hydraulic control valve. 2,626,631, Jan. 27.
Houdaille-Hershey Corporation, assignee: See—
Sandberg, Ray A.
Sebok, Joseph B.

Hough, George H., and L. C. Baker, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electron discharge glow control electrode. 2,627,045, Jan. 27.
Hough, George H., and D. S. Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,627,054, Jan. 27.
House of Photography, Inc., assignee: See—
Abbott, Berenice.
Houston Oil Field Material Company, Inc., assignee: See—
Reynolds, Elmer S.
Howard, John G.: See—
Rockwell, Phillip S., and Howard.
Howard, John G., and P. S. Rockwell, assignors to The Pyle-National Company, Chicago, Ill. Explosion proof plug and socket. 2,626,974, Jan. 27.
Howard, Paul J., Bakersfield, Calif. Prewarming device for film slides. 2,627,017, Jan. 27.
Howell, John D., Westport, Conn. Prestressed spring. 2,626,799, Jan. 27.
Howsattine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign structure with hinged face. 2,626,473, Jan. 27.
Howsattine, James A., assignor to Neon Products, Inc., Lima, Ohio. Insulator socket assembly for fluorescent tubes. 2,626,976, Jan. 27.
Huber, William A., Neptune, N. J. Radio system. 2,627,068, Jan. 27.
Huber, William A., Neptune, and N. T. Volak, Spring Lake, N. J., assignors to the United States of America as represented by the Secretary of War. Dual scanning antenna radar system. 2,627,069, Jan. 27.
Hubman, Adelbert M., University Heights, Ohio. Vegetable peeling apparatus. 2,626,645, Jan. 27.
Huckhold, Elmer J., assignor to Central Mine Equipment Company, St. Louis, Mo. Manufacture of bits for mining drills. 2,626,533, Jan. 27.
Hughes, George H.: See—
Kutosh, Stephen, Hughes, and Malcolmson.
Hunrath, George, Asbury Park, N. J., assignor to the United States of America, as represented by the Secretary of the Army. Thermoelectric couple and making same. 2,626,670, Jan. 27.
Hunt, Thomas G., Seat Pleasant, Md. Rope connection. 2,626,447, Jan. 27.
Ike, Leslie C., Fargo, N. Dak. Window construction. 2,626,434, Jan. 27.
Injection Molding Company, assignee: See—
Barton, Murray M.
Institute of Textile Technology, assignee: See—
Owen, John J., and Fell.
International Standard Electric Corporation, assignee: See—
Brown, Leslie R.
Ile Mengel, Gaston P.
Hough, George H., and Baker.
Hough, George H., and Ridler.
Mullerkey, Alfred J.
Veaux, Henri M.
Wright, Frank C., Hodgson, and Roche.
J. E. M. Co., assignee: See—
Peterson, Milton C.
Jakob, John P.: See—
Almgren, August E., and Jakob.
James, Frazier N., assignor to Lone Star Vender Corp., Dallas, Tex. Control gate for bottle vending machines. 2,626,849, Jan. 27.
Januskauskas, Anthony J., Waterbury, Conn. Chain and gear driven semi-automatic buffing machine. 2,626,487, Jan. 27.
Jeffrey, Max L., Chagrin Falls, assignor to The National Acme Company, Cleveland, Ohio. Switch. 2,627,000, Jan. 27.
Jensen, Garold K., Placrest, Va., and J. E. McGeogh, Silver Spring, Md. Frequency meter. 2,627,033, Jan. 27.
Jessee, Ralph D.: See—
Miner, John D., Jr., Austin, and Jessee.
Jindela, William: See—
Davis, Michael, and Jindela.
Johnson, Frederick O., Chicago, Ill. Control device. 2,626,999, Jan. 27.
Johnson, Gordon H.: See—
Darragh, John L., and Johnson.
Johnson, Herbert C.: See—
Christian, Raymond A., Johnson, and Williams.
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.
Johnson, Otha M., Dallas, Tex. Constant temperature gas heater. 2,626,509, Jan. 27.
Jones, Willis H., Kenmore, N. Y. Toolholder. 2,626,812, Jan. 27.
Joy Manufacturing Company, assignee: See—
Halley, Theodore J.
McCallum, Robert A.
Jung, Werner D., Tafton, Pa., and C. E. Sacker, Teaneck Township, Bergen County, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Apparatus for automatically proportioning pulp stocks. 2,626,627, Jan. 27.

Just, George A., Scarsdale, assignor to The Grand Union Company, New York, N. Y. Check out counter. 2,626,682, Jan. 27.

Kaiser Aluminum & Chemical Corporation, assignee: See—

Byrns, Alva C.

Kalle & Co. Aktiengesellschaft, assignee: See—

Neugebauer, Wilhelm, and Berthenbeier.

Kandoian, Armin G., New York, N. Y., and R. A. Felsenheld, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. High altitude antenna. 2,627,026, Jan. 27.

Kanlin, Ruth, New York, N. Y. Sleeve construction. 2,626,396, Jan. 27.

Kantsler, John J., St. Clair, Mich. Apparatus for producing prefabricated building walls. 2,626,643, Jan. 27.

Kaufman, Irving, Bronx, N. Y. Finishing process for felt and felt hat bodies. 2,626,732, Jan. 27.

Kawner Company, The, assignee: See—

Simpson, Arthur M.

Kelch, Mildred C., Miami, Fla. Drain flusher and cleaning device. 2,626,405, Jan. 27.

Keller, Ernst, New York, N. Y., assignor to Machine Tool Works Oerlikon, Administration Company, Zurich/Oerlikon, Switzerland. Drive for sound recording and reproducing machines. 2,626,528, Jan. 27.

Kelly, George M., Sturgis, and C. M. Leatherman, Bronson, Mich., assignors, by mesne assignments, to Kingston Products Corporation, Kokomo, Ind. Nozzle casing for broom-type vacuum cleaners. 2,626,418, Jan. 27.

Kennedy, Robert M., Newtown Square, and A. Schneider, assignors to Sun Oil Company, Philadelphia, Pa. Alkylation of aromatic hydrocarbons. 2,626,966, Jan. 27.

Kesler, Carl C., assignor to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Alkaline-setting resin adhesive and method of making same. 2,626,934, Jan. 27.

Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Fluid pressure mechanism for effecting step-by-step operation of a member to be operated. 2,626,594, Jan. 27.

Kingston Products Corporation, assignee: See—

Kelly, George M., and Leatherman.

Kinsella, John, and E. O. Robertson, Luton, assignors to D. Napier & Son Limited, and The English Electric Company Limited, London, England. Heating of surfaces by laminated foil resistance elements with timed connecting means. 2,627,012, Jan. 27.

Klug, Erhard, Montvale, N. J. Apparatus for coating and dispensing tape. 2,626,588, Jan. 27.

Knudson, Elmo M., Houston, Tex. Lift for deep well hydraulic pumps. 2,626,509, Jan. 27.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nonreflective radio refractor. 2,627,027, Jan. 27.

Koenig, Edward L., Westport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread pull-off device for sewing machines. 2,626,580, Jan. 27.

Kolb, Joseph E., Scott Township, Allegheny County, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Radiant heater. 2,627,014, Jan. 27.

Koppers Company, Inc., assignee: See—

Harlow, Earl V.

Korth, Hazel M., Cleveland, Ohio. Utility bracket. 2,626,736, Jan. 27.

Kramer, Warren A., San Francisco, Calif. Pipe feeding device. 2,626,717, Jan. 27.

Kriebel, Elvin L., Lansdale, assignor to Selas Corporation of America, Philadelphia, Pa. Liquid separator. 2,626,709, Jan. 27.

Krohn, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Accessory bracket. 2,626,771, Jan. 27.

Kurcy, John L., Albany, assignor of forty-nine per cent to S. E. Trimble, Watervliet, N. Y. Folding infant's crib. 2,626,407, Jan. 27.

Kutosh, Stephen, Kenilworth, O. B. Hughey, Metuchen, and R. S. Malcolmson, Cranford, assignors to Merck & Co., Inc., Rahway, N. J. Vitamin B₁₂ active substance elution from montmorillonite absorbents. 2,626,888, Jan. 27.

Lagaard, Alexander S. T., assignor to R. F. Tickle, Minneapolis, Minn. Adjustable joint. 2,626,688, Jan. 27.

Lagelbauer, Ernest, New York, N. Y. Cooling system for gas turbine blading. 2,626,502, Jan. 27.

Lake, Eugene T., Brodheadville, Pa. Slate splitting machine. 2,626,597, Jan. 27.

Lamb, Fredrick S., Cleveland Heights, Ohio, assignor to General Electric Company. Electric terminal connector. 2,627,048, Jan. 27.

Lambert, Henri J. M., Sevres, and G. P. Mongin, Saint-Gratien, France. Device for the automatic return of doors and the like pivoting members. 2,626,420, Jan. 27.

Lamm, Lewis J., assignor to General Motors Corporation, Detroit, Mich. Electrostatic spray painting apparatus. 2,626,589, Jan. 27.

Lammertse, Meindert, Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Lateral stretching of thermoplastic films. 2,626,422, Jan. 27.

Landers, Fray & Clark, assignee: See—

Anderson, Oscar M.

Landis Tool Company, assignee: See—

Bakker, Harold E.

Lange, Frederick J., Parma, and F. H. Temple, Cleveland, Ohio; said Lange assignor to said Temple. Valve. 2,626,775, Jan. 27.

Lange, Willy, Cincinnati, and F. J. Baur, Wyoming, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Diglyceride preparation. 2,626,952, Jan. 27.

Langen, Ole H.: See—

Maxwell, Ira C., and Langen.

Larsen, Carl H.: See—

Gibbs, William J., and Larsen.

Lauer, Leon N., Clichy, France, assignor to Bendix Aviation Corporation, New York, N. Y. Brake. 2,626,684, Jan. 27.

Laughter, D. Robert, trustee, assignee: See—

Noodleman, Samuel.

Laurent, Milton P., Houston, Tex. Self-tightening packing gland. 2,626,840, Jan. 27.

Lavery, Grant G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic testing apparatus. 2,626,983, Jan. 27.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch mounting. 2,627,006, Jan. 27.

Lazar, Arthur, San Francisco, Calif. Removing deposits containing lead compounds. 2,626,879, Jan. 27.

Leatherman, Clement M.: See—

Kelly, George M., and Leatherman.

Lee, John: See—

Finkelstein, Jacob, and Lee.

Lefevre, Lorin, Great Falls, Mont. Tank cooling device and air cooling device. 2,626,791, Jan. 27.

Leighton, Arthur S., Portland, Maine. Two-wheeled tractor. 2,626,672, Jan. 27.

Leland, O. H., Inc., assignee: See—

Leland, George H.

Leland, George H., assignor to G. H. Leland, Inc., Dayton, Ohio. Electromagnetic power mechanism. 2,626,681, Jan. 27.

Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,627,046, Jan. 27.

Lenahan, Joseph W.: See—

Phyl, Joseph, and Lenahan.

Levy, Benjamin, Kansas City, Mo., assignor of two-thirds to W. G. Wilson, Stratford, Conn. Silent air compressor. 2,626,740, Jan. 27.

Lewis, Dartrey: See—

Corson, John H., Suverkrop, and Lewis.

Lewis, David, Forest Hills, assignor to D. and M. Lewis and A. P. Lindsay, doing business under the firm name and style of Esquire Sportswear Company, New York, N. Y. Trousers construction. 2,626,397, Jan. 27.

Lewis, Harold P., Newtown, Pa., assignor to Pak-Rapid, Inc. Packaging machine. 2,626,494, Jan. 27.

Lewis, John B.: See—

Quiram, Ernest R., and Lewis.

Lewis, Leroy M., and L. M. Lewis, Jr., Rosemont, assignors to American National Dispensing Co., Lansdale, Pa. Heat conduction arrester in automatic beverage dispensers. 2,626,785, Jan. 27.

Lewis, Leroy M., Jr.: See—

Lewis, Leroy M., and L. M. Lewis, Jr.

Lewis, Mac, assignee: See—

Lewis, David.

Lieberman, Leon J., Philadelphia, Pa. Clad metal. 2,626,457, Jan. 27.

Lieberman, Leon J., Philadelphia, Pa. Making clad metal. 2,626,458, Jan. 27.

Lindsay, Arthur P., assignee: See—

Lewis, David.

Lober, Friedrich, and M. Bögemann, Leverkusen-Bayerwerk, and R. Wegler, Leverkusen-Schleibsch, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Hydrazide of organic sulfonic acid as blowing agent in plastics. 2,626,933, Jan. 27.

Lohi Manufacturing Company, The, assignee: See—

Porter, Malcolm E.

Lochhead, John L., Springfield, Mass., assignors to the United States of America as represented by the Secretary of War. Firing pin retracting means for firearms. 2,626,474, Jan. 27.

Locke, Burton H., Framingham, Mass. Dispenser for book matches. 2,626,848, Jan. 27.

Lockett, John R., Columbus, Ohio. Method and means for excluding water penetration into well bores. 2,626,778, Jan. 27.

Lodge, Frank E., administrator: See—

Lodge, Walter B., and Corden.

Lodge, Walter B., deceased, and G. A. Corden, Outwood, near Wakefield: F. E. Lodge, administrator of said W. R. Lodge, assignors to Armitage & Bertram Limited, Leeds, England. Unloading system for mines. 2,626,721, Jan. 27.

Logel, Henry J., Dayton, Ohio. Mop holder. 2,626,415, Jan. 27.

Lombardi, Vincent, South Miami, Fla. Knitting machine and method. 2,626,513, Jan. 27.

Lone Star Vender Corp., assignee: See—

James, Fraxler N.

Lyon, George A., Detroit, Mich. Wheel cover. 2,626,838, Jan. 27.

Lyon, John K., Pasadena, Calif. Loading and cocking mechanism for target traps. 2,626,596, Jan. 27.

Lyon, Walter E.: See—

Eller, Joseph C., and Lyon.

Lyons, George W., North Guilford, Conn. Hinge structure. 2,626,421, Jan. 27.

Machine Tool Works Oerlikon, Administration Company, assignee: See—

Keller, Ernst.

Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents and Chemical Corporation, New York, N. Y. Polymeric organic tin compounds. 2,626,953, Jan. 27.

Mack, James F.: See—

Moore, Richard E., and Mack.

Mack, John L., Sr., Chicago, Ill. Clothespin. 2,626,430, Jan. 27.

Mackay, William W.: See—

Airline, John, and Mackay.

MacNeill, John B.: See—

Baker, Benjamin P., Frisch, Aspey, and MacNeill.

MacNichol, Edward F., Hamilton, and I. H. Sudman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. System for determination of velocity. 2,626,986, Jan. 27.

MacWilliams, Walter H., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gating circuits. 2,627,039, Jan. 27.

Magnuson, C. Edwin: See—

Bouquet, Yves A., and Magnuson.

Maher, Joseph L., assignor to National Tank Company, Tulsa, Okla. Sorbing tower. 2,626,875, Jan. 27.

Mahrt, Louis R., trustee, assignee: See—

Noodleman, Samuel.

Malcolmson, Robert S.: See—

Kutosh, Stephen, Hughey, and Malcolmson.

Mallinckrodt, Philip A., assignee: See—

Hodson, Layne O., and O. and Ross.

Manning, Charles E., Birdsboro, and G. E. Walch, Pottstown, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Swab for tire assembly machines. 2,626,651, Jan. 27.

Mansoff, Arthur P., Dauphin, Manitoba, assignor to O. C. Steele, Kelowna, British Columbia, Canada. Battery heater. 2,626,971, Jan. 27.

Marburg, Edgar, Pittsburgh, Pa., assignor to United States Steel Company. Ingot mold. 2,626,436, Jan. 27.

Marks, Robert V., assignor to M. M. Parma, and V. G. Pimsner, Cleveland, Ohio, copartners doing business as Quality Engineering Company. Sewer obstacle remover. 2,626,404, Jan. 27.

Marquardt, Alfred E., Oconto Falls, Wis. Storage battery transporting cart. 2,626,972, Jan. 27.

Marritt, Murray J., New York, N. Y. Telephone desk secretary. 2,626,479, Jan. 27.

Marsden, George R., Chicago, assignor to Chicago Nipple Manufacturing Company, Cicero, Ill. Feed mechanism for nipple threading machines and the like. 2,626,409, Jan. 27.

Martell, John E., Chicopee, Mass. Combined work-holding and screw-driving machine. 2,626,641, Jan. 27.

Martin, George A., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet delivering apparatus. 2,626,800, Jan. 27.

Martineau, Stephen F., Birmingham, England. Valve seat. 2,626,776, Jan. 27.

Matteson, George A., Jr., Providence, R. I., O. J. Rainville, Attleboro, Mass., and G. I. Parker, Rumford, R. I., assignors to Metals & Controls Corporation, Attleboro, Mass. Apparatus for soldering metal strips. 2,627,010, Jan. 27.

Maxwell, Carl A., and J. P. Craven, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Stress relieving apparatus. 2,626,792, Jan. 27.

Maxwell, Ira C., and O. H. Langen, Minneapolis, Minn., assignors, by mesne assignments, to The Unipress Company, Incorporated, Sleeve press. 2,626,733, Jan. 27.

Maxwell, Wilber A., Houston, Tex., and J. A. Engstrand, assignors to Grant Oil Tool Company, Los Angeles, Calif. Hydraulically displacing well materials. 2,626,829, Jan. 27.

Mayo, Clyde R., Brighton, and R. W. Benson, Rockport, assignors to The Haloid Company, Rochester, N. Y. Portable electrophotographic powder-image transfer mechanism. 2,626,865, Jan. 27.

Mazur, Paul M., and R. Barnhart, Titusville, N. J.; said Barnhart assignor to said Mazur. Means for housing and feeding livestock. 2,626,591, Jan. 27.

McCabe, Ira E., Chicago, Ill. Control means for electrical distribution. 2,627,013, Jan. 27.

McCallum, Robert A., Clarendon Hills, Ill., assignor to Joy Manufacturing Company. Reversible mounting for drilling apparatus. 2,626,782, Jan. 27.

McConaughay, Kenneth E., West Lafayette, Ind. Preparing a paving composition. 2,626,875, Jan. 27.

McCray Refrigerator Company, Inc., assignee: See—

Bentley, George K.

McCulley, John H., Baytown, and H. P. Dayton, Channelview, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Cracking residual fractions containing salts. 2,626,892, Jan. 27.

McDonald, John E., Newton, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rotor arrangement for single-rotor helicopters. 2,626,766, Jan. 27.

McDowell, Hugh, Los Angeles, Calif. Gas distributor for stoves. 2,626,634, Jan. 27.

McDowell, Hugh, Los Angeles, Calif. Time controlled fuel feed mechanism for gas burners. 2,626,661, Jan. 27.

McFaddin, J. L. C., assignee: See—

Powell, George R.

McFarlane, Samuel R.: See—

Skelat, Irving, and McFarlane.

McGeogh, James E.: See—

Jensen, Harold K., and McGeogh.

McGlothlin, Leonard D., Camas, Wash. Automatic consistency control means. 2,626,786, Jan. 27.

McGraw Colorgraph Company, assignee: See—

McGraw, Richard F., Plotin, and Alexewicz.

McGraw, Richard F., Sierra Madre, L. Plotin, North Hollywood, and W. G. Alexewicz, assignors, by mesne assignments, to R. F. McGraw, doing business as McGraw Colorgraph Company, Burbank, Calif. Carbro process. 2,626,858, Jan. 27.

McMennamy, Dale K., Van Nuys, Calif. Physiotherapeutic device. 2,626,600, Jan. 27.

McTavish, John S., and A. H. Topham, assignors to The Office Specialty Mfg. Company Limited, Newmarket, Ontario, Canada. Vertical-type file holder. 2,626,610, Jan. 27.

Meakin, Edgar N., Hillsborough, Calif. Roller adjustment indicator for pellet mills. 2,626,576, Jan. 27.

Mechanical Handling Systems Inc., assignee: See—

Mullen, Edward.

Meddock, Alvin A.: See—

Trautman, Walter C., and Meddock.

Medlar, Lewis A.: See—

Hotton, Francis B., and Medlar.

Meers, Leo J., Los Angeles, Calif. Hand sander. 2,626,490, Jan. 27.

Melnicke, Edward, Summit, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Thermochemical material removal. 2,626,880, Jan. 27.

Mellen, Alice M., assignee: See—

Moomaw, John C.

Melnick, Samuel H., and W. Rusanak, Chicago, Ill. Fused connecting attachment. 2,627,001, Jan. 27.

Mendes, Abraham P., New York, N. Y. Pressure-type alarm device. 2,626,585, Jan. 27.

Mendes, Abraham P., New York, N. Y. Fire alarm device. 2,626,586, Jan. 27.

Mennesson, Marcel, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, France. Micrometer. 2,626,464, Jan. 27.

Merck & Co. Inc., assignee: See—

Kutosh, Stephen, Hughey, and Malcolmson.

Merrill, Donald G., West Hartford, Conn., assignor to Emhart Manufacturing Company. Thermostat. 2,626,753, Jan. 27.

Merrill, Edward W., Cambridge, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Making storage battery separators. 2,626,429, Jan. 27.

Metal Carrier Corporation, assignee: See—

Stevenson, Ralph W.

Metals & Controls Corporation, assignee: See—

Matteson, George A., Jr., Rainville, and Parker.

Meyers, Robert E., assignor to Bendix Aviation Corporation, South Bend, Ind. Snap action valve mechanism for reciprocating pistons. 2,626,527, Jan. 27.

Mieble Printing Press and Mfg. Company, assignee: See—

Pasquibelli, Bruno B.

Miller, Harry, Kansas City, Mo. Production of rutin concentrates. 2,626,869, Jan. 27.

Miller, Leon B., Stamford, Conn. Ratchet structure for ring compressors. 2,626,530, Jan. 27.

Miller, Willis C., Sacramento, Calif. Two-part release trigger for guns. 2,626,476, Jan. 27.

Milone, Louis J., Livingston, N. J., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Triple sliding window. 2,626,658, Jan. 27.

Mine Safety Appliances Company, assignee: See—

Yant, William P.

Miner, John D., Jr., B. O. Austin, and R. D. Jesse, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical power system for aircraft. 2,627,038, Jan. 27.

Mineral Wool Insulations Company, assignee: See—

Hawthorne, Charles W., Jr.

Hawthorne, Charles W., Jr., and Bauers.

Minneapolis-Honeywell Regulator Company, assignee: See—

Wilson, John M.

Minnesota Mining & Manufacturing Company, assignee: See—

Boese, Alvin W.

Miscall, Jack, Pennington, N. J., and C. E. Rahr, assignors to Great Lakes Carbon Corporation, New York, N. Y. Building board of fiber and asphalt coated perlite. 2,626,864, Jan. 27.

Miscall, Jack, Pennington, N. J., assignor to Great Lakes Carbon Corporation, New York, N. Y. Asphalt building board. 2,626,872, Jan. 27.

Mitchell, Robert C.: See—

Christian, Raymond A., Williams, Ganger, Colley, Stracham, Paden, Crawford, Johnson, Geiger, and Mitchell.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge-forming device. 2,626,789, Jan. 27.

Moline Manufacturing Company, assignee: See—
Truman, George H.

Moller, Marie, assignee: See—
Marka, Robert V.

Mongin, Georges P.: See—
Lambert, Henri J. M., and Mongin.

Monasuto Chemical Company, assignee: See—
Hahn, Frank J.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Stock-feed mechanism. 2,626,449, Jan. 27.

Moomaw, John C., La Verne, assignor to A. M. Mellen, Whittier, Calif. Two-way plow. 2,626,546, Jan. 27.

Moore, Harry W., assignee: See—
Hiddison, John M.

Moore, James R., Washington, D. C., assignor to Radio Corporation of America. Relaxation oscillator. 2,627,031, Jan. 27.

Moore, Richard E., Dayton, Ohio, and J. F. Mack, El Monte, Calif., assignors to General Motors Corporation, Detroit, Mich. Propeller control. 2,626,669, Jan. 27.

Moore, Richard E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller control. 2,626,670, Jan. 27.

Moore, William S., Bataria, Ohio. Embalming apparatus. 2,626,446, Jan. 27.

Morgan, Charles, assignor to Copperweld Steel Company, Warren, Ohio. Bottom-dump charging bucket and door closing mechanism therefor. 2,626,828, Jan. 27.

Morine, Charles V., Wahiawa, Oahu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Transplanting machine. 2,626,578, Jan. 27.

Morris, Hubert C., Portland, Oreg. Drainboard and splash back. 2,626,846, Jan. 27.

Morrison, Willard L., Lake Forest, Ill. High-humidity refrigerator. 2,626,509, Jan. 27.

Morrisette, Roger, Ronyn, Quebec, Canada. Starting-generating and ignition system for vehicles with automatic cutoff switches. 2,627,037, Jan. 27.

Morrow, Morris R., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Aviation fuel blending agent and producing same. 2,626,893, Jan. 27.

Notch & Merryweather Machinery Company, The, assignee: See—
Romans, John F.

Motor Products Corporation, assignee: See—
Whitmore, Harland W.

Mountjoy, Garrard, Canandaigua, and C. R. Schafer, Walworth, N. Y., assignors to Stromberg-Carlson Company. Tone control system. 2,626,991, Jan. 27.

Mueller Co., assignee: See—
Mueller, Lucien W. and F. H., and Cline.

Mueller, Frank H.: See—
Mueller, Lucien W., F. H., and Cline.

Mueller, Lucien W., and F. H., Decatur, Ill., and E. E. Cline, Chattanooga, Tenn., assignors to Mueller Co., Decatur, Ill. Chatter preventing device for valves. 2,626,829, Jan. 27.

Mullarkey, Alfred J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Gas discharge tube counting arrangement. 2,626,751, Jan. 27.

Mullen, Edward, assignor to Mechanical Handling Systems Inc., Detroit, Mich. Tank trailer. 2,626,813, Jan. 27.

Munday, Richard B., Altadena, and R. D. Conn, Arcadia, Calif. Apparatus for irrigation. 2,626,482, Jan. 27.

Munro-Van Helms Company, assignee: See—
Boosey, Lawrence N.

Murch, Charles S., Augusta, Maine. Adjustable door jamb for storm and screen doors. 2,626,433, Jan. 27.

Nadeau, John C., Detroit, Mich. Hypodermic syringe. 2,626,604, Jan. 27.

Napier, D. & Son Limited, assignee: See—
Kinsella, John, and Robertson.

National Arms Company, The, assignee: See—
Jeffrey, Max L.

National Cash Register Company, The, assignee: See—
Christian, Raymond A., Johnson, and Williams.

National Tank Company, assignee: See—
Christian, Raymond A., Williams, Gauger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Sionneger, Bruce K., Williams, Samuel B.

National Lead Company, assignee: See—
Harrison, George.

National Tank Company, assignee: See—
Maher, Joseph L.

Navy, United States of America as represented by the Secretary of the, assignee: See—
Bell, Persa R., Jr.

Nowak, Edward F., and Sudman, Nowak, Welville H., Parnell, William S., and Taylor, Rogers, Job R., Trembly, Gray C.

Nelson, Brooks E., Cleveland, and R. O. Peterson, University Heights, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Brush and making same. 2,626,414, Jan. 27.

Neon Products, Inc., assignee: See—
Howenstine, James A.

Neugebauer, Wilhelm, Wiesbaden-Blebrich, and J. Bartheneier, Eddersheim-on-the-Main, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Blebrich, Germany. Fixing lithographic diaotype printing rolls which have been exposed to light. 2,626,866, Jan. 27.

New Britain Machine Company, The, assignee: See—
Gridley, George O.

Newcomb, Leroy, Los Angeles, Calif., and A. A. Ashton, Houston, Tex., assignors to Emaco Derrick & Equipment Company, Los Angeles, Calif. Transmission having power coupling device. 2,627,042, Jan. 27.

Newell, Isaac L., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Expanded plastics. 2,626,968, Jan. 27.

Newlin, George M., Farmington, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle mounted implement. 2,626,553, Jan. 27.

Nissen, Warren I., assignor to Robson Art Metal Works, Inc., Newark, N. J. Lighter fuel feeding structure. 2,626,518, Jan. 27.

Nixon, Maurice W., Belleville, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Rotor for corn shellers. 2,626,811, Jan. 27.

Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for Standard Dayton Corporation, Dayton, Ohio. Motor control. 2,627,059, Jan. 27.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can-filling machine with porous packing plunger. 2,626,738, Jan. 27.

Norman, Thomas C., San Francisco, Calif. Fishing rod holder. 2,626,776, Jan. 27.

Norris-Thermador Corporation, assignee: See—
Baker, James C., and Buchanan.

North American Aviation, Inc., assignee: See—
Shank, Robert F.

North, Harold D., Jr., Shaker Heights, assignor to The Honor Corporation, Cleveland, Ohio. Aerosol spray nozzle, valve, and can top construction. 2,626,834, Jan. 27.

Northrop Aircraft, Inc., assignee: See—
Radigan, Joseph.

Norway, Harold L., Inglewood, and W. A. Perry, Los Angeles, assignors to Southwestern Development Company, Inglewood, Calif. Automatic change-over. 2,626,628, Jan. 27.

Nowak, Welville B., New Rochelle, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna system. 2,627,028, Jan. 27.

O'Callaghan, Jerome J., Skokie, Ill., assignor to The Rauland Corporation. Image-reproducing device. 2,627,043, Jan. 27.

Odiermo, Silvio J., Jr.: See—
Podnos, Selim S., Odiermo, and Thompson.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Conduit support for vehicle trails with conduit-connected fluid devices. 2,626,552, Jan. 27.

Office Specialty Mfg. Company Limited, The, assignee: See—
McTavish, John S., and Topham.

Olson, Theodore A., Pompton Plains, N. J., assignor to General Motors Corporation, Detroit, Mich. Hoisting. 2,626,486, Jan. 27.

Omega Machine Company, assignee: See—
Harper, Lyndus E.

Onorato, Frank S., New York, N. Y. Apparatus for non-refillable bottles. 2,626,723, Jan. 27.

Orkin, Bernard A., Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Hexa(alkoxy) and hexa(alkylthio) dialloxanes. 2,626,957, Jan. 27.

Orr, Claude L., assignor to The Huckeye Steel Castings Company, Columbus, Ohio. Damping device for railway car trucks. 2,626,572, Jan. 27.

Orthopedic Equipment Co., assignee: See—
Grindle, Charles R., and Saemann.

Orloff, John E., Tulsa, Okla., assignor to Standard Oil Development Company. Double-acting drill bit. 2,626,780, Jan. 27.

Osborn Manufacturing Company, The, assignee: See—
Nelson, Brooks E., and Peterson.

Osborne, Samuel C., assignor to Carrier Corporation, Syracuse, N. Y. Fan wheel for centrifugal fans. 2,626,741, Jan. 27.

Ouellette, Maxime E., Macwahoc, Maine. Fire detector. 2,627,004, Jan. 27.

Owen, John J., and R. W. Fell, Charlottesville, Va., assignors to Institute of Textile Technology. Cloth inspection apparatus. 2,626,535, Jan. 27.

Owens-Corning Fiberglass Corporation, assignee: See—
Stalego, Charles J.

Padbury, John J.: See—
Price, John A., Thomas, and Padbury.

Paden, William L.: See—
Christian, Raymond A., Williams, Gauger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Page, Irving H., Silver Spring, Md. Noise reducing radio receiver. 2,627,023, Jan. 27.

Page, Robert M., Washington, D. C. Radio echo apparatus. 2,627,070, Jan. 27.

Pak-Rapid, Inc., assignee: See—
Lewis, Harold P.

Palmer, Charles E., Erie, Pa. Gate valve and valve operating mechanism therefor. 2,626,774, Jan. 27.

Palmer, Jewell S., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for preventing coke formation in distillation towers. 2,626,894, Jan. 27.

Palmer, William E., Downers Grove, Ill. Dock bridge. 2,626,411, Jan. 27.

Parker, Emory: See—
Mack, Gerry P., and Parker.

Parker, George I.: See—
Matteoson, George A., Jr., Rainville, and Parker.

Parker, Melvin J., New York, and A. J. Turpin, Stewart Manor, assignors to Hauck Manufacturing Co., Brooklyn, N. Y. Temperature control system. 2,626,754, Jan. 27.

Parnell, William S., and J. W. Taylor, Jr., Baltimore, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Two-feed "X" band antenna. 2,627,020, Jan. 27.

Paquinelli, Bruno H., assignor to Miehle Printing Press and Mfg. Company, Chicago, Ill. Ductor roller control. 2,626,866, Jan. 27.

Pavlecka, Vladimir H., Pacific Palisades, and F. Dallenbach, Inglewood, assignors to Turboelectric Corporation, Beverly Hills, Calif. Gas turbine power plant having compressor, turbine, and hollow shaft therebetween. 2,626,501, Jan. 27.

Peacock, Robert, St. Petersburg, Fla. Composite garment hanger and article holder. 2,626,713, Jan. 27.

Pearce, Frank G., Tulsa, Okla., assignor to American Machine & Foundry Company. Tobacco sheet material and making same. 2,626,612, Jan. 27.

Pechney Compagnie de Produits Chimiques et Electrometallurgiques, assignee: See—
Frejaques, Jean L. M.

Peale & Ford, Ltd., Incorporated, assignee: See—
Kessler, Carl C.

Penkoff, Theodore, Copague, and L. Egoroff, Huntington, N. Y. Fixture for grinding thread cutting tools and the like. 2,626,491, Jan. 27.

Perry, Willis A.: See—
Norway, Harold L., and Perry.

Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Rug scrubbing machine. 2,626,412, Jan. 27.

Peterson, Milton C., Lakeside, Wash., assignor to J. E. M. Co., Portland, Oreg. Adjustable rearview mirror. 2,626,539, Jan. 27.

Peterson, Norman R.: See—
Hoogateen, Harold M., and Peterson.

Peterson, Ruben O.: See—
Nelson, Brooks E., and Peterson.

Petrolite Corporation, assignee: See—
De Groot, Melvin.

Pfeiffer, Fred B., Akron, Ohio. Drier. 2,624,519, Jan. 27.

Phelon, Russell E., Longmeadow, Mass. Flywheel magneto having short circuiting means. 2,627,041, Jan. 27.

Phillips Petroleum Company, assignee: See—
Carney, Samuel C.

Phyl, Joseph, Fanwood, and J. W. Lenehan, Franklin Township, Somerset County, N. J., assignors to Research Corporation, New York, N. Y. Electrical precipitation system. 2,626,676, Jan. 27.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: See—
Ball, Jack.

Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guided wave frequency range transducer. 2,626,990, Jan. 27.

Pike, Harold S., Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Spring contact testing apparatus. 2,626,523, Jan. 27.

Pimamer, Vincent G.: See—
Marka, Robert V.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Method for forming silica and for coating lamp bulbs. 2,626,874, Jan. 27.

Pitz, Adolph G., Bridgeport, Conn. Combined paint can holder and brush support. 2,626,737, Jan. 27.

Plotin, Lawrence: See—
McGraw, Richard F., Plotin, and Alexewicz.

Podnos, Selim S., Washington, D. C., S. J. Odiermo, Jr., Rockaway, N. J., and P. H. Thompson, Kirkwood, Mo., assignors to the United States of America as represented by the Secretary of the Army. Fuse. 2,626,568, Jan. 27.

Pokorny, John M. and L. Jr., Ronkonkoma, N. Y. Sofa bed provided with automatic mattress-clamping means. 2,626,406, Jan. 27.

Pokorny, Louis, Jr.: See—
Pokorny, John M. and L. Jr.

Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Thermostatic control device. 2,627,003, Jan. 27.

Potter, Lee R., Long Beach, Calif., assignor to Southwest Products Co. Self-aligning bearing. 2,626,841, Jan. 27.

Poulson, Frank E., assignor to Certified Burglar Alarm Systems, Incorporated, Chicago, Ill. Burglar alarm box. 2,627,065, Jan. 27.

Powell, George H., assignor of one-half to J. L. C. McFadden, Beaumont, Tex. Live-attaching device. 2,626,438, Jan. 27.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,626,690, Jan. 27.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power plant control mechanism. 2,626,691, Jan. 27.

Price, John A., Stamford, W. M. Thomas, and J. J. Padbury, Springfield, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized acrylonitrile compositions. 2,626,946, Jan. 27.

Procter & Gamble Company, The, assignee: See—
Lange, Willy, and Baur.

Productive Inventions, Inc., assignee: See—
Krohm, Fred A.

Protex Products Company, Inc., assignee: See—
Davis, Michael, and Jindela.

Pure Oil Company, The, assignee: See—
Ayres, George W., and Harton.

Pyle-National Company, The, assignee: See—
Howard, John G., and Rockwell.

Pyle National Company, The, assignee: See—
Rockwell, Philip S., and Howard.

Quality Engineering Company, assignee: See—
Marka, Robert V.

Quilman, Ernest R., Elizabeth, and J. B. Lewis, Cranford, N. J., assignors to Standard Oil Development Company. Tioline treating process. 2,626,891, Jan. 27.

Quoss, Henry N., Fort Lauderdale, Fla., assignor to J. E. Hush, Dallas, Tex. Handle assembly for jalousies and Venetian windows. 2,626,329, Jan. 27.

Radigan, Joseph, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Power control bridge. 2,627,061, Jan. 27.

Radio Corporation of America, assignee: See—
Anderson, Earl I.

Ranco, Allen A., Baker, George H., and Cain, Hansell, Clarence W., and Bond, Moore, James R.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Mud mixer and agitator. 2,626,788, Jan. 27.

Rahr, Chester E.: See—
Mical, Jack, and Rahr.

Rainville, Omer J.: See—
Matteoson, George A., Jr., Rainville, and Parker.

Ranssen, Emil L., Chicago, Ill. Centrifugal separator. 2,626,747, Jan. 27.

Rau, Kurt E., Kansas City, Mo. Portable barbecue oven. 2,626,559, Jan. 27.

Rauland Corporation, The, assignee: See—
Hoeling, Harry H.

O'Callaghan, Jerome J., Shawfrank, Robert W.

Raytheon Manufacturing Company, assignee: See—
Calosi, Carlo L.

Dawson, John W.

Razek, Joseph, Lanerch, assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Control or metering system. 2,627,038, Jan. 27.

Reading, Harold C., London, assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Angle measuring device. 2,626,465, Jan. 27.

Reconstruction Finance Corporation, assignee: See—
Razek, Joseph.

Regele, Charles A., Manheim Township, Lancaster County, Pa. Cutter for asphalt tiles and the like. 2,626,664, Jan. 27.

Reid, Robert J.: See—
Eberly, Kenneth C., and Reid.

Republic Flow Meters Company, assignee: See—
Rosenberger, Albert J., and Goldberg.

Research Corporation, assignee: See—
Phyl, Joseph, and Lenehan.

Reynolds, Elmer S., assignor to Houston Oil Field Material Company, Inc., Houston, Tex. Combination jar and safety joint. 2,626,781, Jan. 27.

Rhodes, Thomas J.: See—
Gibbons, Willis A., and Rhodes.

Ricards, Charles L., South Plainfield, I. Tornberg, Plainfield, and P. L. Tollison, North Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Stereotype plate finishing machine. 2,626,541, Jan. 27.

Richards, Harrison H. C., Jr., Lima, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pile regulator. 2,627,007, Jan. 27.

Richards, Harry W., Clearfield, Pa., assignor, by mesne assignments, to Electronic Switch and Signal Company, Cleveland, Ohio. Carrier frequency stepping system for remote control. 2,627,063, Jan. 27.

Richardson, Charles A., Inc., assignee: See—
Richardson, Edward A.

Richardson, Edward A., West Mansfield, Mass., assignor to Charles A. Richardson, Inc. Making baseball shoe cleats. 2,626,454, Jan. 27.

Richardson, Oliver C., Detroit, Mich. Fish landing net. 2,626,477, Jan. 27.

Ridder, Desmond S.: See—
Hough, George H., and Ridler.

Riley, John P., Costa Mesa, Calif. Vacuum pulsating exercising apparatus. 2,626,601, Jan. 27.

Rite-Way Products Company, assignee: See—
Smith, Marvin J.

Ritzert, Leroy J., Mount Vernon, Ind. Land roller. 2,626,496, Jan. 27.

Robertson, Ernest O.: See—
Kinsella, John, and Robertson.

Robinson, Roy H., Chicago, Ill. Racket for tennis and batting games. 2,626,804, Jan. 27.

Roche, Atleman H.: See—
Wright, Frank C., Hodgson, and Roche.

Rockwell, Philip S.: See—
Howard, John G., and Rockwell.

Rockwell, Philip S., and J. G. Howard, assignors to The Pyle National Company, Chicago, Ill. Delayed action structure for an explosion-proof plug and socket. 2,626,975, Jan. 27.

Roebing's, John A., Sons Company, assignee: See—
Corson, John H., Suverkrop, and Lewis.

Rogers, Job R., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Range follow-up. 2,627,057, Jan. 27.

Romans, John F., North Royalton, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Cutting tool mounting and making. 2,626,532, Jan. 27.

Ronor Corporation, The, assignee: See—
North, Harold D., Jr.

Romay Art Metal Works, Inc., assignee: See—
Nissen, Warren I.

Rose, Joseph K., Chicago, Ill. Television receiver cabinet light shield. 2,627,067, Jan. 27.

Rosenberger, Albert J., and A. Goldberg, assignors to Republic Flow Meters Company, Chicago, Ill. Instrument for producing a regulated force responsive to a condition. 2,626,626, Jan. 27.

Ross, Clark, assignee: See—
Hodson, Layne O., and G., and Ross.

Ross Gear & Tool Company, assignee: See—
Creson, William K., and Berghoff.

Roush, Alan D., and O. M. Stolz, assignors to General Building Units, Inc., Dayton, Ohio. Roof panel. 2,626,377, Jan. 27.

Rover, Alexander H., West New York, N. J. Garment space saver. 2,626,714, Jan. 27.

Rubenstein, Julia, New York, N. Y. Detachable fastener for buttons and other articles. 2,626,437, Jan. 27.

Ruedl, George R., Denver, Colo. Masonry polishing tool. 2,626,521, Jan. 27.

Rusanak, William: See—
Melnick, Samuel H., and Rusanak.

Russell, Samuel A., III, Chicago, Ill., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Polypropylene benzene sulfonate detergent compositions containing tetrasodium pyrophosphate. 2,626,900, Jan. 27.

Russo, Dominick: See—
Cooke, Henry H., and Russo.

Russo, Frank P., Castro Valley, assignor of fifty-two one-hundredths to F. M. Ball & Co., Oakland, Calif. Overload release for plunger drive mechanism. 2,626,644, Jan. 27.

S & L Metal Products Company, assignee: See—
Stingl, Joseph.

Saecker, Carleton E.: See—
Jung, Werner D., and Saecker.

Saemann, Franklin I.: See—
Grindie, Charles R., and Saemann.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Sinker and method of loop transferring. 2,626,512, Jan. 27.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting needle and transfer bit. 2,626,515, Jan. 27.

Samsing, Rolf A., assignor to Carton Engineering Corporation, Braintree, Mass. Apparatus for setting up box blanks. 2,626,545, Jan. 27.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard. 2,626,827, Jan. 27.

Sanders, Elmore J., San Gabriel, Calif. Air displacement rotor. 2,626,743, Jan. 27.

Sanders, Elmore J., San Gabriel, Calif. Variable flow fluid displacement rotor. 2,626,744, Jan. 27.

Sauers, Charles T.: See—
Hawthorne, Charles W., Jr., and Sauers.

Saul, Samuel, Jr., and L. H. Fenstermaker, Pittsburgh, Pa.; said Fenstermaker assignor to said Saul. Adjustable peg rack. 2,626,711, Jan. 27.

Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Chemically active graphite carbon powder. 2,626,930, Jan. 27.

Scardamalia, Theodore: See—
Avetta, Albert J., and Scardamalia.

Scarlett, John A., Cincinnati, Ohio. Mulling machine. 2,626,756, Jan. 27.

Schafer, Curtiss R.: See—
Mountjoy, Garrard, and Schafer.

Schenley Industries, Inc., assignee: See—
De Beeze, George I.

Schilling, Clarence J., Allentown, assignor to Air Products, Incorporated, Emmaus, Pa. Air fractionating cycle and apparatus. 2,626,510, Jan. 27.

Schmerling, Louis, Riverdale, assignor to Universal Oil Products Company, Chicago, Ill. Production of halo-olefinic compounds. 2,626,962, Jan. 27.

Schneider, Abraham: See—
Kennedy, Robert M., and Schneider.

Schnepf, William K., Webster, N. Y., assignor to Stromberg-Carlson Company. Lost motion or backlash compensation. 2,626,587, Jan. 27.

Schoenfeld, William H., Jr., Glen Ellyn, Ill., assignor to American Can Company, New York, N. Y. Solder flux and preparing the flux. 2,626,881, Jan. 27.

Schoenster, Peter J., Teaneck, assignor to Alfred Hofmann Needle Works, Inc., West New York, N. J. Knitting needle. 2,626,514, Jan. 27.

Scholl Mfg. Co., Inc., The, assignee: See—
Coldiron, Harold A.

Scholl, William M., Chicago, Ill. Laminated sheet and making same. 2,626,886, Jan. 27.

Schonwald, William P., West Haven, Conn., assignor to American Machine & Foundry Company. Oven conveyor having guided trays. 2,626,700, Jan. 27.

Schroder, Charles, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Carbox sheet retractor mechanism. 2,626,695, Jan. 27.

Schuster, Ulysse, Ixelles-Brussels, Belgium. Ticket and strip printing machine. 2,626,565, Jan. 27.

Scopicon, Inc., assignee: See—
Welskopf, Edwin C.

Scott, William E.: See—
Goldberg, Moses W., and Scott.

Seaholm, Rudolph V., Chicago, Ill. Self-cleaning strainer for water and other liquids. 2,626,710, Jan. 27.

Sebak, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner, intake silencer, and carburetor housing assembly. 2,626,677, Jan. 27.

Seederer, Jacob E., Englewood, N. J., and I. Feuer, New York, N. Y., assignors to Seederer-Kohlbusch, Inc., Englewood, N. J. Precision balance. 2,626,796, Jan. 27.

Seederer-Kohlbusch, Inc., assignee: See—
Seederer, Jacob E., and Feuer.

Seeler, Alfred O., Irvington, and L. Gehrig, Montclair, N. J. Electrical timer outlet. 2,626,660, Jan. 27.

Selma Corporation of America, assignee: See—
Kriebel, Elvin L.

Sellars, George L.: See—
Barber, Hiram L., and Sellars.

Service, Robert J., Stone Ridge, N. Y. Ventilated plant protector. 2,626,483, Jan. 27.

Shank, Robert F., Los Angeles, Calif., assignor to North American Aviation, Inc. Aircraft arresting gear. 2,626,768, Jan. 27.

Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Attrition mill. 2,626,757, Jan. 27.

Shaw, Roy A., San Bernardino, Calif. Slide dressing attachment. 2,626,579, Jan. 27.

Shawfrank, Robert W., Chicago, Ill., assignor to The Rauland Corporation. Cathode-ray tube electrode. 2,627,049, Jan. 27.

Shell Development Company, assignee: See—
Abrams, Stanley T., and Stross.

Shenker, Joseph, New York, N. Y. Interfitted and inter-engaged nesting table. 2,626,843, Jan. 27.

Shlepe, Edward M., Brooklyn, N. Y. Inductance and self-capacitance measuring device. 2,626,981, Jan. 27.

Shlevers, Robert, assignor to Gloria Figure, Inc., New York, N. Y. Apparatus for inserting hair into doll heads. 2,626,619, Jan. 27.

Shive, John N., North Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for and method of treating selenium rectifiers. 2,626,448, Jan. 27.

Shuler, Russell R., Keensburg, Colo. Vegetable harvester cleaning attachment. 2,626,708, Jan. 27.

Silver, Walter H., and R. E. Cox, assignors to Deere & Company, Moline, Ill. Quick detachable tractor mounted lister. 2,626,549, Jan. 27.

Silver, Walter H., and R. E. Cox, assignors to Deere & Company, Moline, Ill. Power lift for tractor mounted implements. 2,626,554, Jan. 27.

Simonsen, Peter H., Avon, N. J. Sleeve fold guiding and supporting device. 2,626,734, Jan. 27.

Simplex Packaging Machinery, Inc., assignee: See—
Gaubert, Rene J.

Simpson, Arthur M., Lexington, Ky., assignor to The Kawneer Company, Niles, Mich. Bowling pin conveying and orienting mechanism. 2,626,802, Jan. 27.

Simpson, Lynn L., and S. E. Weakland, Portland, Oreg., assignors to C. F. Hoffer of Hoffer Enterprises, Inc., Los Angeles, Calif. Holder for toilet paper in web form. 2,626,761, Jan. 27.

Singer Manufacturing Company, The, assignee: See—
Koenig, Edward L.

Skelst, Irving, and S. B. McFarlane, Summit, N. J., assignors to Celanese Corporation of America. Stabilizing polymerized methyl vinyl ketone. 2,626,943, Jan. 27.

Skoda Works, National Corporation, assignee: See—
Basus, Jiri.

Sloan, Lon, South Pasadena, Calif. Clutch. 2,626,602, Jan. 27.

Slonner, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Movable counter top. 2,626,850, Jan. 27.

Smallegan, Marvin L., assignor to Automatic Poultry Feeder Company, Zeeland, Mich. Sectional water trough. 2,626,724, Jan. 27.

Smith, Albert W., Kenmore, N. Y. Regulator responsive to the electrical conductivity of a solution. 2,626,620, Jan. 27.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reclaiming rubbers. 2,626,932, Jan. 27.

Smith, Marvin J., assignor to Rite-Way Products Company, Chicago, Ill. Milk line nipple. 2,626,590, Jan. 27.

Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), assignee: See—
Menneaon, Marcel.

Socony-Vacuum Oil Company, Incorporated, assignee: See—
Crowley, John A., Jr.

Orkin, Bernard A.

Sonoco Products Company, assignee: See—
Dunlap, Charles K.

Southwest Products Co., assignee: See—
Potter, Lee R.

Southwestern Development Company, assignee: See—
Norway, Harold L., and Perry.

Sparks, Charles H., and F. C. Turner, Eugene, Oreg. Log handling boom. 2,626,715, Jan. 27.

Sparks, William J., and R. M. Thomas, Westfield, N. J., assignors to Standard Oil Development Company. Olefin-cyclodiene-divinylbenzene tripolymer and preparation thereof. 2,626,940, Jan. 27.

Speck, Clayton S., Sunnyvale, Wash. Awning. 2,626,435, Jan. 27.

Speleher, Elmer W., Birmingham, assignor of one-half to A. R. Conti, Wallied Lake, Mich. Adhesive wheel coolant spraying spindle. 2,626,493, Jan. 27.

Sperry Corporation, The, assignee: See—
Bromley, Richard N.

Nixon, Maurice W.

Spiller, William R., Dayton, assignor to Harris-Beybold Company, Cleveland, Ohio. Hollow drill assembly. 2,626,667, Jan. 27.

Stahl, Oscar C., Los Angeles, assignor to American Extruded Products Co., Inc., Hollywood, Calif. Coating method and apparatus for plastic tubing and the like. 2,626,426, Jan. 27.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Method and apparatus for forming fibers. 2,626,484, Jan. 27.

Standard Dayton Corporation, assignee: See—
Noodelman, Samuel.

Standard Oil Development Company, assignee: See—
Cooke, Henry H., and Russo.

McCulley, John H., and Dayton.

Morrow, Morris R.

Orloff, John E.

Palmer, Jewell S.

Quiram, Ernest R., and Lewis.

Ragland, Douglas.

Sparks, William J., and Thomas.

True, Prentiss S.

Viles, Prentiss S.

Standard Railway Equipment Manufacturing Company, assignee: See—
Garber, Otis A.

Swann, James S.

Stanton, Lon, Lake Ozark, Mo. Gauge for sawed sawteeth. 2,626,466, Jan. 27.

Starr, John H., Mayville, assignor to John Deere Van Brunt Company, Horicon, Wis. Cultivator. 2,626,547, Jan. 27.

Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Cultivator. 2,626,551, Jan. 27.

Stentite Research Corporation, assignee: See—
Albers-Schoenberg, Ernst.

Steele, Osborne C., assignee: See—
Mansoff, Arthur P.

Stebr, Emma, administratrix: See—
Stebr, Kord H.

Stebr, Kord H., deceased, by E. Stebr, administratrix. Brooklyn, N. Y. Track-carried hatch cover. 2,626,583, Jan. 27.

Steigler, Albert L., Meriden, Conn. Walking aid. 2,626,832, Jan. 27.

Stein, Jacob R., Beverly Hills, Calif. Preparing coffee. 2,626,558, Jan. 27.

Stevens, Jesse V.: See—
Dons, Eddie M., and Stevens.

Stevenson, Ralph W., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carrier. 2,626,725, Jan. 27.

Stingl, Joseph, Stratford, Conn., assignor to S & L Metal Products Company. Price tag holder. 2,626,472, Jan. 27.

Stock, Arthur J., Rocky River, Ohio. Conveyor distribution system for aggregate materials. 2,626,719, Jan. 27.

Stoffel, Hans F., Scarsdale, N. Y. Sealing device. 2,626,825, Jan. 27.

Stolz, Owen M.: See—
Roush, Alan D., and Stolz.

Storberg, Samuel G., St. Paul, Minn. Sanding device for vehicles. 2,626,823, Jan. 27.

Storrand, Bjarne, Zurich, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Arrangement for the safety grounding of vehicles with rotating mass drive. 2,626,673, Jan. 27.

Strachan, Andrew J.: See—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Gelger, and Mitchell.

Stromberg-Carlson Company, assignee: See—
Gleason, Howard S.

Helpert, Louis R., and Appel.

Mountjoy, Garrard, and Schafer.

Schnepf, William K.

Stross, Fred H.: See—
Abrams, Stanley T., and Stross.

Sudman, Israel H.: See—
MacNichol, Edward F., and Sudman.

Sullivan, Goodrich M., assignee: See—
Herron, Charles.

Sullivan, John L., Seattle, Wash., assignor, by mesne assignments, to Comb-A-Flea Co., Inc. Powder dispensing comb. 2,626,617, Jan. 27.

Sun Chemical Corporation, assignee: See—
Young, Wilbur A., and Zaboraki.

Sun Oil Company, assignee: See—
Kennedy, Robert M., and Schneider.

Superior Sugar Refining Company, assignee: See—
Bishop, Alfred E.

Suverkrop, Edward A.: See—
Corson, John H., Suverkrop, and Lewis.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Gondola car end. 2,626,573, Jan. 27.

Sweeney, Joseph L.: See—
Henze, Otto C. W., and Sweeney.

Sylvania Electric Products Inc., assignee: See—
Gates, Paul E.

Talbot, William H., Albany, Calif. Hay and manure loader. 2,626,722, Jan. 27.

Tallafarro, Edward E., Jackson, Tenn. Cotton-picking machine. 2,626,496, Jan. 27.

Talon, Inc., assignee: See—
Carille, Alfred E.

Tarwater, Lawson, Redlands, Calif. Electric hammer. 2,626,598, Jan. 27.

Taylor, John W., Jr.: See—
Parnell, William S., and Taylor.

Temple, Frank H.: See—
Lange, Frederick J., and Temple.

Texas Company, The, assignee: See—
Dilworth, John P., Eckert, and Coppoc.

Thomas, Orrin H., Williamsport, assignor of one-half to R. W. Fuller, Jersey Shore, Pa. Ignition timer. 2,626,997, Jan. 27.

Thomas, Robert M.: See—
Sparks, William J., and Thomas.

Thomas, Walter M.: See—
Price, John A., Thomas, and Padbury.

Thompson, Parke H.: See—
Podnos, Selim S., Odierno, and Thompson.

Thompson, Richard G., Stillwater, Minn. Sanding block construction. 2,626,489, Jan. 27.

Tickle, Richard F., assignee: See—
Lagaard, Alexander S. T.

Tidd, Edwin B., Mount Prospect, assignor to Bell & Onsett Company, Morton Grove, Ill. Heating system with outdoor control. 2,626,755, Jan. 27.

Tilton, Orlo G., Fullerton, Calif. Machine for cleaning the water spaces of radiators and engine blocks of motor vehicle power plants. 2,626,623, Jan. 27.

Tinnerman Products, Inc., assignee: See—
Flora, Laurence H.

Tipman, Ruby, Edmonton, Alberta, Canada. Puppet. 2,626,480, Jan. 27.

Tipton, Alvin E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Carside. 2,626,574, Jan. 27.

Tollison, Paul L.: See—
Ricards, Charles L., Tornberg, and Tollison.

Tomlinson, Lyle, Eugene, Oreg. Saw setting tool. 2,626,531, Jan. 27.

Toomba, Harry B., New York, and G. Amberg, Mount Vernon, N. Y. Toy rattle. 2,626,481, Jan. 27.

Topham, Albert H.: See—
McTavish, John S., and Topham.

Tornberg, Isidor: See—
Ricards, Charles L., Tornberg, and Tollison.

Torsch, Charles E., North Syracuse, N. Y., assignor to Bendix Aviation Corporation, Towson, Md. Power supply arrangement for television receivers. 2,626,988, Jan. 27.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gaseous discharge devices and circuits therefor. 2,627,033, Jan. 27.

Trantman, Walter C., Los Angeles, and A. A. Meddock, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Jet engine fuel supply system. 2,626,635, Jan. 27.

Treat, Leslie E., Wilmetta, Ill. Peeling vegetables and the like. 2,626,646, Jan. 27.
 Trembly, Gray C., Cambridge, Mass., assignor, by means assignments, to the United States of America as represented by the Secretary of the Navy. Sweep generator. 2,627,025, Jan. 27.
 Trimble, Stanley E., assignee: See—
 Kury, John L.
 Tritellne, Charles F., Downers Grove, and B. L. Wright, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrically operated safety interlock for broaching machines. 2,626,542, Jan. 27.
 True, Martin E., Houston, Tex., assignor, by means assignments, to Standard Oil Development Company, Elizabeth, N. J. Slide wall sampling device. 2,626,777, Jan. 27.
 Truran, George H., La Porte, Ind., assignor to Modine Manufacturing Company, Racine, Wis. Apparatus for removing excess fluxing liquid from radiator cores. 2,626,417, Jan. 27.
 Turbotric Corporation, assignee: See—
 Pavlecka, Vladimir H., and Dallenbach.
 Turek, Thomas J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Air pressure operated windshield wiper. 2,626,416, Jan. 27.
 Turnbull, F. M., assignee: See—
 Brown, Frank E.
 Turner, Edgar P., Fanwood, assignor to The Slinger Manufacturing Company, Elizabeth, N. J. Ventilating device. 2,626,742, Jan. 27.
 Turner, Frank C.: See—
 Sparks, Charles H., and Turner.
 Turpin, Alexander J.: See—
 Parker, Melvin J., and Turpin.
 Underwood Corporation, assignee: See—
 Anderson, Walter A.
 Helmond, William F.
 Schroder, Charles.
 Wise, Elmer L.
 Union Carbide and Carbon Corporation, assignee: See—
 Clark, Jared W.
 Dorf, Charles J.
 Erasmuss, Hendrik de W.
 Melnecke, Edward.
 Unipress Company, Incorporated, The, assignee: See—
 Maxwell, Ira C., and Langen.
 United Aircraft Corporation, assignee: See—
 Newell, Isaac L.
 United-Carr Fastener Corporation, assignee: See—
 Blazek, Joseph.
 Coyle, William J.
 Van Buren, Harold S., Jr.
 United Shoe Machinery Corporation, assignee: See—
 Ashworth, Fred, and Chase.
 United States Atomic Energy Commission, United States of America as represented by the, assignee: See—
 Brown, Albert A.
 United States Rubber Company, assignee: See—
 Carlin, Frank J.
 Gerke, Roscoe H.
 Gibbons, Willis A., and Rhodes.
 United States Steel Company, assignee: See—
 Marburg, Edgar.
 Universal Oil Products Company, assignee: See—
 Chenick, Joseph A.
 Schuerling, Louis.
 Upjohn Company, The, assignee: See—
 Welshat, David L., and Hanzel.
 Urell, Cecil W., San Jose, Calif. Air float jogger device. 2,626,801, Jan. 27.
 Valentine, Joseph E., Caldwell, N. J. Package for perfume and the like. 2,626,833, Jan. 27.
 Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket assembly. 2,626,441, Jan. 27.
 Van Duser, Clyde E., assignee: See—
 Hoencke, Walter J.
 Van Wyck, John H., Hoboken, N. J. Deck chair. 2,626,653, Jan. 27.
 Varel, Arthur A., Washington, D. C. Self-pulsing oscillator. 2,627,029, Jan. 27.
 Varel, Arthur A., Washington, D. C. Impulse generator. 2,627,030, Jan. 27.
 Vaughan, John K.: See—
 Wilson, George E., and Vaughan.
 Vesaux, Henri M., St. Leu la Foret, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic switching system for electrical telecommunications. 2,626,987, Jan. 27.
 Versay, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Valve structure. 2,626,625, Jan. 27.
 Viles, Prentiss S., Baytown, Tex., assignor, by means assignments, to Standard Oil Development Company, Elizabeth, N. J. Welding stainless steel. 2,626,459, Jan. 27.
 Vogt, Clarence W., Norwalk, Conn. Apparatus for and process of manufacturing enwrappings. 2,626,544, Jan. 27.
 Vogt, Lurien E., West Roxbury, assignor to Farrington Manufacturing Company, Boston, Mass. Address type printing tag. 2,626,567, Jan. 27.

Volak, Nicholas T.: See—
 Huber, William A., and Volak.
 Wadman, Frank J., Yakima, Wash. Airplane insecticide spraying and dusting apparatus. 2,626,769, Jan. 27.
 Wahl Clipper Corporation, assignee: See—
 Wahl, Leo J.
 Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Sissors. 2,626,460, Jan. 27.
 Walch, Gerald E.: See—
 Manning, Charles E., and Walch.
 Waldbauer, Rueben, Winnipeg, Manitoba, Canada. Friction-driven sharpening device. 2,626,485, Jan. 27.
 Wallace, De Loss D., and W. F. Erickson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Hydraulic pump and motor power system. 2,626,503, Jan. 27.
 Walther, August, Emmeladen, assignor to Aktiengesellschaft Brown, Hoyerl & Cie, Baden, Switzerland. Transformer assembling device. 2,626,582, Jan. 27.
 Wamsley, Percy S., Athens, Ohio. Line number and page end margin indicator for typewriters. 2,626,697, Jan. 27.
 War, United States of America as represented by the Secretary of, assignee: See—
 Huber, William A., and Volak.
 Lochhead, John L.
 Ward, Lawrence T., East Orange, N. J. Cigarette lighter. 2,626,517, Jan. 27.
 Washburn, Harold W., and C. E. Berry, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,627,034, Jan. 27.
 Watson, Harry G., Sr., Alpine, Tex. Match package. 2,626,703, Jan. 27.
 Watson, John Warren, Company, assignee: See—
 Watson, John Warren and R. A.
 Watson, John W., Wayne, and R. A. Watson, Villanova, assignors to John Warren Watson Company, Philadelphia, Pa. Leaf spring spacing structure and anchorage therefor. 2,626,798, Jan. 27.
 Watson, Richard A.: See—
 Watson, John W., and R. A.
 Weakliem, Stephen E.: See—
 Simpson, Lynn L., and Weakliem.
 Weaver, Allan, Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex telegraph system. 2,626,994, Jan. 27.
 Weber, Ihno F., Dayton, Ohio. Parking system. 2,626,718, Jan. 27.
 Webster, Lawrence J., Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element. 2,626,867, Jan. 27.
 Wegler, Richard: See—
 Lober, Friedrich, Bögemann, and Wegler.
 Welschlat, David I., and A. R. Hanzel, assignors to The Upjohn Company, Kalamazoo, Mich. Decolorization of synthetic folle acid. 2,626,947, Jan. 27.
 Welskopf, Edwin C., assignor to Scopicon, Inc., New York, N. Y. Removably attachable lamp mounting. 2,627,019, Jan. 27.
 Wesley, Arthur, Palos Park, assignor to Burton-Dixie Corporation, Chicago, Ill. Combined innerspring and rubber mattress. 2,626,408, Jan. 27.
 Western Electric Company, Incorporated, assignee: See—
 Balde, John W., Bregar, and Chapman.
 Bouget, Yves A., and Magnuson.
 Brown, Grant S.
 Dutra, Frank A.
 Pike, Harold S.
 Tritellne, Charles F., and Wright.
 Westinghouse Electric Corporation, assignee: See—
 Baker, Benjamin P., Frisch, Aspey, and MacNeill.
 Miner, John D., Jr., Austin, and Jaques.
 Richards, Harrison H. C., Jr.
 Westlake, Allen T., Jr., assignor to Casco Products Corporation, Bridgeport, Conn. Electric clockwork movement. 2,626,500, Jan. 27.
 Weyant, Homer G., Goashen, Ind. Plywood press. 2,626,642, Jan. 27.
 Whalen, Edward A., assignor to Wha-Lite Products, Chicago, Ill. Plasterer's dandy. 2,626,520, Jan. 27.
 Wha-Lite Products, assignee: See—
 Whalen, Edward A.
 Whately, Walter R., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Classification of calcined conditioned titanium dioxide pigment slurries. 2,626,707, Jan. 27.
 Whisler, Thomas C., Alameda, Calif., assignor to American Brake Shoe Company, New York, N. Y. Cable operated drag scraper. 2,626,471, Jan. 27.
 Whitehead, Leigh: See—
 Gwinn, Myron B., and Whitehead.
 Whitman, Gertrude, Jamaica, N. Y. Brassière. 2,626,395, Jan. 27.
 Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Base assembly for mechanical refrigerators and the like. 2,626,851, Jan. 27.
 Whitsel, James L., Denver, Colo. Sandwich-making machine. 2,626,575, Jan. 27.
 Wick, John S., Long Beach, Calif. Lawn edger. 2,626,499, Jan. 27.

Wiegand, Edwin L., Company, assignee: See—
 Kolb, Joseph E.
 Williams, C. K., & Co., assignee: See—
 Ayers, Joseph W.
 Williams, Ivan A., Portland, Oreg. Cleft fastener for uniting materials and forming the same. 2,626,687, Jan. 27.
 Williams, John L., Jackson, Tenn. Rigid implement frame for four-wheeled tractors. 2,626,548, Jan. 27.
 Williams, Joseph C., Santa Monica, Calif. Multiple service window bay. 2,626,432, Jan. 27.
 Williams, Paul H.: See—
 Christian, Raymond A., Johnson, and Williams.
 Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Gelger, and Mitchell.
 Williams, Samuel B., Chevy Chase, Md., assignor to The National Cash Register Company, Dayton, Ohio. Carry device for electronic calculators. 2,626,782, Jan. 27.
 Willys-Overland Motors, Inc., assignee: See—
 Derror, Fred L., and Gramly.
 Newlin, George M.
 Wilson, Allen B., Galena Park, Tex. Pressure operated valve. 2,626,633, Jan. 27.
 Wilson, Allen B., Galena Park, Tex. Pipe puller. 2,626,831, Jan. 27.
 Wilson, Blaine W., assignee: See—
 Hodson, Layne O., and G., and Ross.
 Wilson George, E., and J. K. Vaughan, El Paso, Tex. Wheel lug locking ring. 2,626,837, Jan. 27.
 Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control apparatus with component checking means. 2,626,657, Jan. 27.
 Wilson, William G., assignee: See—
 Levy, Benjamin.
 Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose-leaf calendar hanger. 2,626,816, Jan. 27.
 Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose-leaf sheet calendar hanger. 2,626,817, Jan. 27.
 Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Binder hanger for loose-leaf sheet calendars. 2,626,818, Jan. 27.
 Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose-leaf display calendar. 2,626,819, Jan. 27.
 Wingfoot Corporation, assignee: See—
 Habeck, Bruce W.
 Lammertse, Melndert.
 Wise, Elmer L., Farmington, Conn., assignor to Underwood Corporation, New York, N. Y. Adjustable crossfooter pickup. 2,626,748, Jan. 27.
 Wiseman, Park A., Muncie, Ind., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. 1,2,2,3,3,4-hexachlorobutane. 2,626,965, Jan. 27.

Wolf, Anthony S., Pittsburgh, and C. J. Zigan, Etna, assignors to Blaw-Knox Company, Pittsburgh, Pa. Flexible form for integral concrete curbs and gutters. 2,626,444, Jan. 27.
 Wood Newspaper Machinery Corporation, assignee: See—
 Richards, Charles L., Tornberg, and Tollison.
 Woods, John P., Dallas, Tex., assignor to The Atlantic Re-sinng Company, Philadelphia, Pa. Apparatus for electrically logging boreholes. 2,626,979, Jan. 27.
 Woodworth, N. A., Company, assignee: See—
 Hohwart, George and E. F.
 Woody, Guy V., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Car shaker. 2,626,720, Jan. 27.
 Wright, Ben L.: See—
 Tritellne, Charles F., and Wright.
 Wright, Frank C., K. O. Hodgson, and A. H. Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Control of carrier transmission systems by pilot frequencies. 2,626,993, Jan. 27.
 Wright, Richard H., Bratenahl, and A. Zay, assignors to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Bottom rail tape clip construction for Venetian blinds. 2,626,659, Jan. 27.
 Wyatt, De Witt H., Columbus, Ohio. Gas burner and internal baffles for gas distribution. 2,626,656, Jan. 27.
 Yant, William P., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Sealed air-purifying canister. 2,626,678, Jan. 27.
 Young, Austin E.: See—
 Cook, Curtiss L., Young, and Edman.
 Young, Wilbur A., Wakefield, and J. C. Zaboraki, West Warwick, R. I., assignors to Sun Chemical Corporation, Long Island City, N. Y. Aluminum soaps. 2,626,897, Jan. 27.
 Youngberg, Charles H.: See—
 Oehler, William P., and Youngberg.
 Youngstown Steel Door Company, The, assignee: See—
 Tipton, Alvin E.
 Zaboraki, John C.: See—
 Young, Wilbur A., and Zaboraki.
 Zay, Anthony: See—
 Wright, Richard H., and Zay.
 Zick, Carl S., Ripon, Wis. Bobbin device. 2,626,762, Jan. 27.
 Zigan, Carl J.: See—
 Wolf, Anthony S., and Zigan.
 Zimmerman, Percy W., and A. E. Hitchcock, assignors to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y. Killing plants. 2,626,862, Jan. 27.
 Zinsner, William K., Pasadena, assignor to Gladding, McBean & Co., Los Angeles, Calif. Chemically bonded carbon refractory. 2,626,871, Jan. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anticurl device for collars. B. Liebowitz. Re. 23,617, Bed; Love seat. P. B. Behry. Re. 23,616, Jan. 27.

LIST OF DESIGN INVENTIONS

Animated decorative lamp. A. B. Leech. 168,695, Jan. 27.
Ash tray. L. A. Revell. 168,710, Jan. 27.
Awning or similar article. C. J. Berlini. 168,668-9, Jan. 27.
Ball-point pen or the like. W. B. Spatz. 168,715, Jan. 27.
Base for table lamps. L. A. Arditti. 168,667, Jan. 27.
Base for table lamps. P. P. Ornstein. 168,704-5, Jan. 27.
Broiling unit, Electric. W. Yanchor. 168,722, Jan. 27.
Combination food and beverage blender. F. Collura. 168,674, Jan. 27.
Cover, Liquefier bowl. W. B. Kochner. 168,693, Jan. 27.
Crib, Infant's. A. G. Feldman. 168,679-81, Jan. 27.
Egg server. L. Kalt. 168,690, Jan. 27.
Fabric or similar article, Textile. M. Lefkowitz. 168,696, Jan. 27.
Fabric or similar article, Textile. H. Odzer. 168,701-3, Jan. 27.
Figurine. E. G. Frenzel. 168,682, Jan. 27.
Finger stall or similar article. C. E. Jones. 168,689, Jan. 27.
Front for a wall oven. A. G. Hupp. 168,687, Jan. 27.
Game board. R. P. Thomas. 168,719, Jan. 27.
Glove. E. M. Reece. 168,708, Jan. 27.
Hairbrush or the like. L. A. Carpenter. 168,673, Jan. 27.
Holder, Card. A. E. Rittenhouse. 168,712, Jan. 27.
Holder for beverage glasses. N. Rubin. 168,713, Jan. 27.
Holder, Literature. M. B. Hunter. 168,686, Jan. 27.
Instrument, Geometrical. G. Langer. 168,694, Jan. 27.
Lamp. R. A. Woodin. 168,721, Jan. 27.
Lamp base, Electric. D. Borowitz. 168,672, Jan. 27.
Lamp, Pin-up. R. L. Springer. 168,718, Jan. 27.
Lawn mower. H. L. Heinke. 168,683, Jan. 27.
Lighter, Table. S. F. Speers. 168,716-17, Jan. 27.
Meter, Twin parking. R. D. Murphy. 168,698, Jan. 27.
Mirror unit, Sun visor. A. Pavenick. 168,707, Jan. 27.
Oven for coated sheets or the like, Stock drying. J. A. Black. 168,670, Jan. 27.
Pajamas, Child's. S. A. Marrow. 168,698, Jan. 27.
Place mat. O. C. Elledge and H. R. McCray. 168,678, Jan. 27.
Platter or similar article. W. C. Richardson. 168,711, Jan. 27.
Portable typewriter case or similar article. J. O. Reinecke and J. W. Hauser. 168,709, Jan. 27.
Range control panel, Cooking. E. E. Hitchcock. 168,684, Jan. 27.
Refrigerator. D. E. Dalley. 168,677, Jan. 27.
Refrigerator and dispensing bar, Combination. D. E. Dalley. 168,676, Jan. 27.
Scale, Printing weighing. J. M. Little. 168,697, Jan. 27.
Sheet material or the like, Plastic. J. Bolten, Sr. 168,671, Jan. 27.
Shield for eyeglasses, Perpiration. H. E. Nichols. 168,700, Jan. 27.
Signal, Vehicle directional. J. F. Waldman. 168,720, Jan. 27.
Skate, Roller. B. A. Kandarian. 168,691, Jan. 27.
Stirrer, spreader, and pickle fork, Combined. C. L. Osborn. 168,706, Jan. 27.
Table. L. C. and B. A. Johnson. 168,688, Jan. 27.
Tire. C. C. Custer. 168,675, Jan. 27.
Tire, Pneumatic. W. H. Schlichtmann. 168,714, Jan. 27.
Tray. J. P. Kats. 168,692, Jan. 27.
Vaporizer, Insecticide. C. F. Holbrook. 168,685, Jan. 27.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF JANUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel coolant spraying spindle. E. W. Spelcher. 2,626,493, Jan. 27.
Accessory bracket. F. A. Krohm. 2,626,771, Jan. 27.
Acidic fractional ester of a polycarboxylic acid with oxypropylated allyl starch. M. De Groot. 2,626,938, Jan. 27.
Acidic fractional ester of a polycarboxylic acid with oxypropylated glucose. M. De Groot. 2,626,935, Jan. 27.
Adjustable peg rack. S. Saul, Jr., and L. H. Fenstermaker. 2,626,711, Jan. 27.
Air cleaner, intake silencer, and carburetor housing assembly. J. B. Sebok. 2,626,677, Jan. 27.
Aircraft arresting gear. R. F. Shank. 2,626,768, Jan. 27.
Air displacement rotor. E. J. Sanders. 2,626,743, Jan. 27.
Air distributor. L. G. Davies. 2,626,556, Jan. 27.
Air float jogger device. C. W. Uriell. 2,626,801, Jan. 27.
Air fractionating cycle and apparatus. C. J. Schilling. 2,626,510, Jan. 27.
Alarm control for clocks and photoelectric switches. J. E. Coogan. 2,626,662, Jan. 27.
Alarm device, Fire. A. P. Mendez. 2,626,586, Jan. 27.
Alarm device, Pressure-type. A. P. Mendez. 2,626,585, Jan. 27.
Alarm, Window. A. Hoehn. 2,626,584, Jan. 27.
Alkali metal greases, Preparing. J. P. Dillworth, G. W. Eckert, and W. J. Coppoc. 2,626,896, Jan. 27.
Alkali metal greases, Preparing. J. P. Dillworth, G. W. Eckert, and W. J. Coppoc. 2,626,898, Jan. 27.
Alkyds and varnishes comprising same. H. M. Hoogsteen and N. K. Peterson. 2,626,039, Jan. 27.
Alkylation of aromatic hydrocarbons. E. M. Kennedy and A. Schneider. 2,626,966, Jan. 27.
Angle measuring device. H. C. Reading. 2,626,465, Jan. 27.
Antenna, High altitude. A. G. Kandolan and R. A. Felsenheld. 2,627,026, Jan. 27.
Antenna radar system, Dual scanning. W. A. Huber and N. T. Volk. 2,627,069, Jan. 27.
Antenna system. W. H. Nowak. 2,627,028, Jan. 27.
Antenna, Two-feed "X" band. W. S. Parnell and J. W. Taylor, Jr. 2,627,020, Jan. 27.
Antistatic treatment of articles comprising a vinyl resin and treated articles. J. J. Carnes. 2,626,876, Jan. 27.
Apparatus for aerogravimetric prospecting. C. A. Heiland. 2,626,525, Jan. 27.
Apparatus for and process of manufacturing enwrapments. C. W. Vogt. 2,626,544, Jan. 27.
Apparatus for automatically proportioning pulp stocks. W. D. Jung and C. E. Saecker. 2,626,627, Jan. 27.
Apparatus for coating and dispensing tape. E. Klug. 2,626,588, Jan. 27.
Apparatus for controlling refrigerating systems. E. F. Dickerson, Jr. 2,626,507, Jan. 27.
Apparatus for controlling the plasticity of extrudable materials in an extruding apparatus. O. S. Brown. 2,626,427, Jan. 27.
Apparatus for electrically logging boreholes. J. P. Woods. 2,626,970, Jan. 27.
Apparatus for hydrocarbon conversion. J. A. Crowley, Jr. 2,626,857, Jan. 27.
Apparatus for inserting hair into doll heads. R. Sievers. 2,626,619, Jan. 27.
Apparatus for irrigation. R. B. Munday and R. D. Conn. 2,626,482, Jan. 27.
Apparatus for measuring the modulus of compression of rubberlike material. B. W. Brown. 2,626,522, Jan. 27.
Apparatus for measuring yardage of decated material. S. D. Greenberg. 2,626,536, Jan. 27.
Apparatus for nonrefillable bottles. F. S. Onorato. 2,626,723, Jan. 27.
Apparatus for producing prefabricated building walls. J. J. Kantzler. 2,626,643, Jan. 27.
Apparatus for removing excess fluxing liquid from radiator cores. G. H. Truran. 2,626,417, Jan. 27.
Apparatus for setting up box blanks. R. A. Samsing. 2,626,545, Jan. 27.
Apparatus for soldering metal strips. G. A. Matteson, Jr., O. J. Rainville, and G. L. Parker. 2,627,010, Jan. 27.
Apparatus for the production of mineral wool. C. W. Hawthorne, Jr., and C. T. Sauer. 2,626,425, Jan. 27.
Applicator for semisolid stick material. F. E. Brown. 2,626,847, Jan. 27.
Arrangement for the safety grounding of vehicles with rotating mass drive. B. Storsand. 2,626,673, Jan. 27.
Artificial arm. C. R. Grindle and F. I. Saemann. 2,626,396, Jan. 27.
Ash tray. L. R. Buroker. 2,626,615-16, Jan. 27.
Asphalt building board. J. Miscall. 2,626,872, Jan. 27.
Attrition mill. E. C. Shaw. 2,626,757, Jan. 27.
Automatic change-over. H. L. Norway and W. A. Perry. 2,626,628, Jan. 27.
Automatic consistency control means. L. D. McGlothlin. 2,626,786, Jan. 27.
Automatic frequency control. P. R. Bell, Jr. 2,627,024, Jan. 27.
Automatic shutoff valve. O. M. Hillman. 2,626,632, Jan. 27.
Automatic speed control system. R. N. Bromley. 2,626,767, Jan. 27.
Awning. C. S. Speck. 2,626,435, Jan. 27.
Backfire arrester. C. J. Dorf. 2,626,860, Jan. 27.
Bag: See—
Travel bag.
Bag sealing machine. E. J. Gaubert. 2,626,495, Jan. 27.
Bait, Artificial. O. C. Folmer. 2,626,478, Jan. 27.
Ball-game tray. A. A. Abrams. 2,626,808, Jan. 27.
Bar feed means. O. O. Oridley. 2,626,450, Jan. 27.
Base assembly for mechanical refrigerators and the like. H. W. Whitmore. 2,626,851, Jan. 27.
-acrylamido acrylic acids. H. W. Coover, Jr., and J. B. Dickey. 2,626,944, Jan. 27.
Bathtub, Pressed steel. J. C. Baker and J. C. Buchanan. 2,626,402, Jan. 27.
Battery heater. A. P. Mansoff. 2,626,971, Jan. 27.
Bearing: See—
Self-aligning bearing.
Bearing seal. W. K. Creson and M. W. Berghoff. 2,626,839, Jan. 27.
Bed provided with automatic mattress-clamping means. Sola. J. M. Pokorny and L. Pokorny, Jr. 2,626,406, Jan. 27.
Belt and pulley drive means for tiltable saws and the like. T. A. Hess. 2,626,639, Jan. 27.
Bimetallic switch. O. J. Alvarez. 2,627,002, Jan. 27.
Blinder hanger for loose-leaf sheet calendars. G. P. Winford. 2,626,816, Jan. 27.
Biosynthesized feed and making the same. G. I. de Becze. 2,626,866, Jan. 27.
Bit: See—
Double-acting drill bit.
Bits for mining drills, Manufacture of. E. J. Huckshold. 2,626,533, Jan. 27.
Board: See—
Asphalt building board.
Plug-in distribution panel board.
Bobbin device. C. S. Zick. 2,626,762, Jan. 27.
Bobbin, Textile. C. K. Dunlap. 2,626,764, Jan. 27.
Bottle carrier. R. W. Stevenson. 2,626,725, Jan. 27.
Bottom-dump charging bucket and door closing mechanism therefor. C. Morgan. 2,626,828, Jan. 27.
Bottom rail tape clip construction for Venetian blinds. R. H. Wright and A. Zay. 2,626,659, Jan. 27.
Box: See—
Burglar alarm box. Folding box.
Bowling ball handling apparatus. H. C. Congelli. 2,626,803, Jan. 27.
Bowling pin conveying and orienting mechanism. A. M. Simpson. 2,626,802, Jan. 27.
Bracket, Utility. H. M. Korth. 2,626,736, Jan. 27.
Bracket: See—
Accessory bracket.
Brake. L. N. Lauer. 2,626,684, Jan. 27.
Brassiere. G. Whitman. 2,626,395, Jan. 27.
Broadcasting and intercommunication system. L. O. and G. Hodson, and C. Ross. 2,626,995, Jan. 27.
Brush and making same. B. E. Nelson and R. O. Peterson. 2,626,414, Jan. 27.
Brush for sanitary pipe washing equipment, Fountain. P. K. Gorton. 2,626,413, Jan. 27.
Buffing machine, Chain and gear driven semiautomatic. A. J. Janusauskas. 2,626,467, Jan. 27.
Building board of fiber and asphalt coated perlite. J. Miscall and C. E. Rahr. 2,626,864, Jan. 27.
Bulldozer. C. L. Cook, A. E. Young, and J. H. Edman. 2,626,470, Jan. 27.
Bumper guard. R. A. Sandberg. 2,626,827, Jan. 27.
Burglar alarm box. F. E. Poulson. 2,627,065, Jan. 27.
Burner control apparatus with component checking means. J. M. Wilson. 2,626,657, Jan. 27.
Calendar, Loose-leaf display. O. P. Winford. 2,626,819, Jan. 27.
Calendar. Automatically controlled. J. B. Collins. 2,626,423, Jan. 27.

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- Calking gun assembly. W. J. S. Ekins. 2,626,731, Jan. 27.
 Camera tilting apparatus, Movie. A. S. Flank. 2,626,537, Jan. 27.
 Can-filling machine with porous packing plunger. R. E. J. Nordquist. 2,626,738, Jan. 27.
 Can holder and brush support, Combined paint. A. G. Pitts. 2,626,737, Jan. 27.
 Caulster, Sealed air-purifying. W. P. Yant. 2,626,078, Jan. 27.
 Car coupler centering device. O. A. Garber. 2,626,716, Jan. 27.
 Car shaker. G. V. Woody. 2,626,720, Jan. 27.
 Carbon paper. W. M. Ewing. 2,626,884, Jan. 27.
 Carbon powder, Chemically active graphitic. R. H. Savage. 2,626,930, Jan. 27.
 Carbon sheet retractor mechanism. C. Schroder. 2,626,095, Jan. 27.
 Carbo process. R. F. McGraw, L. Motin, and W. G. Alexewicz. 2,626,858, Jan. 27.
 Carburetor. W. E. Betcher. 2,626,790, Jan. 27.
 Carriage operated controlling mechanism for accounting machines. R. A. Christian, H. C. Johnson, and P. H. Williams. 2,626,750, Jan. 27.
 Carrier: See—
 Bottle carrier.
 Carrier frequency stepping system for remote control. H. W. Richards. 2,627,003, Jan. 27.
 Carry device for electronic calculators. S. B. Williams. 2,626,752, Jan. 27.
 Carside. A. E. Tipton. 2,626,574, Jan. 27.
 Cartridge carrier for repeating shotguns. V. A. Browning. 2,626,475, Jan. 27.
 Case: See—
 Film shipping case.
 Open-top refrigerated display case.
 Cathode for photocells. J. J. Benes, Jr. 2,627,044, Jan. 27.
 Cathode mounts, Manufacturing. J. M. Coughlin. 2,626,637, Jan. 27.
 Cell construction. J. E. Creech. 2,626,886, Jan. 27.
 Centrifugal separator. E. L. Ranssen. 2,626,747, Jan. 27.
 Centrifuge. S. L. Abbott. 2,626,746, Jan. 27.
 Centrifuge. F. H. Fletcher, Jr. 2,626,745, Jan. 27.
 Chair: See—
 Deck chair.
 Charge-forming device. F. C. Mock. 2,626,789, Jan. 27.
 Chatter preventing device for valves. L. W. and F. H. Mueller and E. E. Cline. 2,626,629, Jan. 27.
 Check out counter. G. A. Just. 2,626,682, Jan. 27.
 Chemically bonded carbon refractory. W. K. Zinsner. 2,626,871, Jan. 27.
 Cigarette holder, casing, and stand, Combined. F. R. Hamer. 2,626,614, Jan. 27.
 Circuit: See—
 Electron tube voltage protection circuit.
 Television receiver horizontal deflection circuit.
 Photorelay circuit.
 Clad metal. L. J. Lieberman. 2,626,437, Jan. 27.
 Clad metal, Making. L. J. Lieberman. 2,626,438, Jan. 27.
 Clamp for umbilical cords and the like. M. Garland. 2,626,608, Jan. 27.
 Classification of calcined conditioned titanium dioxide pigment slurries. W. R. Whately. 2,626,707, Jan. 27.
 Clef fastener for uniting materials and forming the same. I. A. Williams. 2,626,087, Jan. 27.
 Clockwork movement, Electric. A. T. Westlake, Jr. 2,626,500, Jan. 27.
 Closure for bottles and the like. R. F. Colton. 2,626,607, Jan. 27.
 Cloth inspection apparatus. J. J. Owen and R. W. Fell. 2,626,535, Jan. 27.
 Clothespin. J. L. Mack, Sr. 2,626,439, Jan. 27.
 Clutch: See—
 Locking type clutch.
 Clutch. L. Sloan. 2,626,692, Jan. 27.
 Coating method and apparatus for plastic tubing and the like. O. C. Stahl. 2,626,426, Jan. 27.
 Coffee, Preparing. J. R. Stein. 2,626,558, Jan. 27.
 Cold cathode gaseous discharge devices and circuits therefor. M. A. Townsend. 2,627,053, Jan. 27.
 Collar, Non-reflecting. S. Friedberg. 2,626,609, Jan. 27.
 Comb. C. L. Collison. 2,626,618, Jan. 27.
 Comb. Powder dispensing. J. L. Sullivan. 2,626,617, Jan. 27.
 Combination jar and safety joint. E. S. Reynolds. 2,626,781, Jan. 27.
 Composition guide. B. Abbott. 2,626,467, Jan. 27.
 Compressor, Silent air. B. Levy. 2,626,740, Jan. 27.
 Conduit support for vehicle train with conduit-connected fluid devices. W. P. Oehler and C. H. Youngberg. 2,626,552, Jan. 27.
 Connecting structural parts. C. B. Holm. 2,626,455, Jan. 27.
 Connector: See—
 Electric terminal connector.
 Sheathed plug connector.
 Constant temperature gas heater. O. M. Johnson. 2,626,599, Jan. 27.
 Contact base, Movable. D. D. Hinman. 2,626,977, Jan. 27.
 Container: See—
 Flexible container.
 Container for pasty substances. J. Gabler. 2,626,730, Jan. 27.
 Container for refrigeration systems, Shipping. D. L. Baker. 2,626,704, Jan. 27.
 Control device. H. S. Gleason. 2,627,056, Jan. 27.
 Control device. F. O. Johnson. 2,626,999, Jan. 27.
 Control gate for bottle vending machines. F. N. James. 2,626,849, Jan. 27.
 Control means for electrical distribution. I. E. McCabe. 2,627,013, Jan. 27.
 Control of carrier transmission systems by pilot frequencies. F. C. Wright, K. G. Hodgson, and A. H. Roche. 2,626,993, Jan. 27.
 Control or metering system. J. Rasek. 2,627,058, Jan. 27.
 Controlling means for battery chargers. C. B. Berg. 2,627,060, Jan. 27.
 Conversion from direct current to double voice frequency impulsing. L. R. Brown. 2,626,996, Jan. 27.
 Conveyor apparatus for eviscerating shrimp. A. J. Avetta and T. Scardamaglia. 2,626,701, Jan. 27.
 Conveyor belt protective device. R. Q. Armington. 2,626,469, Jan. 27.
 Conveyor distribution system for aggregate materials. A. J. Stock. 2,626,719, Jan. 27.
 Conveyor mechanism. T. J. Bailey. 2,626,699, Jan. 27.
 Cooler: See—
 Milk cooler.
 Cooling system for gas turbine blading. E. Lagerbauer. 2,626,502, Jan. 27.
 Cord and making same, Rayon tire. J. C. Ambelang. 2,626,887, Jan. 27.
 Cotton-picking machine. E. E. Tallafiero. 2,626,498, Jan. 27.
 Counter top, Movable. B. K. Slonueger. 2,626,850, Jan. 27.
 Coupling: See—
 Flexible coupling.
 Pipe coupling.
 Cover: See—
 Track-carried hatch cover.
 Wheel cover.
 Cracking residual fractions containing salts. J. H. McCulley and H. P. Dayton. 2,626,892, Jan. 27.
 Crib, Folding infant's. J. L. Kurry. 2,626,407, Jan. 27.
 Crimping head with laterally movable jaws. A. E. Alm-gren and J. P. Jakob. 2,626,581, Jan. 27.
 Crossfooter pickup, Adjustable. E. L. Wiae. 2,626,748, Jan. 27.
 Cultivator. J. H. Starr. 2,626,547, Jan. 27.
 Cultivator. J. H. Starr. 2,626,551, Jan. 27.
 Cushion pad. L. Davis. 2,626,394, Jan. 27.
 Cutter: See—
 Tape cutter.
 Cutter for asphalt tiles and the like. C. A. Regele. 2,626,604, Jan. 27.
 Damping device for railway car trucks. C. L. Orr. 2,626,572, Jan. 27.
 Deck chair. J. H. Van Wyck. 2,626,653, Jan. 27.
 Decolorization of synthetic foils. D. I. Welsbiat and A. R. Hanse. 2,626,947, Jan. 27.
 Deodorization of monoaryl substituted alkanes. J. L. Darragh and G. B. Johnson. 2,626,967, Jan. 27.
 Desk secretary, Telephone. M. J. Marcits. 2,626,479, Jan. 27.
 Desulfurization of metals and alloys by silicon. H. de W. Braams. 2,626,863, Jan. 27.
 Device for packing fibrous masses. J. Bañua. 2,626,702, Jan. 27.
 Device for the automatic return of doors and the like pivoting members. H. J. M. Lambert and G. P. Mongin. 2,626,420, Jan. 27.
 Device for trimming sheet material. G. H. Chamberlain. 2,626,865, Jan. 27.
 Diamond boring machine. M. H. Arms and L. J. Barnard. 2,626,534, Jan. 27.
 Diffusion process. E. V. Harlow. 2,626,679, Jan. 27.
 Diglycidide preparation. W. Lange and F. J. Baur. 2,626,932, Jan. 27.
 Discharge arrangement for agricultural loading machines. E. H. Appel. 2,626,698, Jan. 27.
 Dishwashing apparatus. C. P. Duffy. 2,626,622, Jan. 27.
 Dispenser for book matches. B. H. Locke. 2,626,848, Jan. 27.
 Dock bridge. W. E. Palmer. 2,626,411, Jan. 27.
 Door jamb for storm and screen doors, Adjustable. C. S. Murch. 2,626,433, Jan. 27.
 Door latch. E. S. Hewitt. 2,626,824, Jan. 27.
 Doorstop. A. Drita. 2,626,826, Jan. 27.
 Double-acting drill bit. J. E. Orloff. 2,626,790, Jan. 27.
 Douche appliance. J. H. Booth. 2,626,605, Jan. 27.
 Drag scraper, Cable operated. T. C. Whisler. 2,626,471, Jan. 27.
 Drainage fitting. L. N. Boosey. 2,626,674, Jan. 27.
 Drainboard and splash back. H. C. Morris. 2,626,846, Jan. 27.
 Drain gusher and cleaning device. M. C. Keith. 2,626,405, Jan. 27.
 Drier. F. B. Pfeiffer. 2,626,519, Jan. 27.
 Drive for sound recording and reproducing machines. E. Keller. 2,626,528, Jan. 27.
 Ductor roller control. B. B. Pasquinielli. 2,626,566, Jan. 27.
 Electric discharge device. E. Lemmers. 2,627,046, Jan. 27.

- Electric discharge tube. G. H. Hough and D. S. Ridler. 2,627,054, Jan. 27.
 Electric terminal connector. F. S. Lamb. 2,627,048, Jan. 27.
 Electric wave generator. G. P. de Mengel. 2,627,032, Jan. 27.
 Electrical crystal unit. P. E. Gates. 2,626,985, Jan. 27.
 Electrical power system for aircraft. J. D. Miner, Jr., B. O. Austin, and R. D. Jesse. 2,627,038, Jan. 27.
 Electrical precipitation system. J. Phyl and J. W. Lenehan. 2,626,676, Jan. 27.
 Electrolytic production of iron. C. W. Balke. 2,626,895, Jan. 27.
 Electromagnetic power mechanism. G. H. Leland. 2,626,681, Jan. 27.
 Electron discharge glow control electrode. G. H. Hough and L. C. Baker. 2,627,045, Jan. 27.
 Electron tube voltage protection circuit. A. A. Barco. 2,627,051, Jan. 27.
 Electronic curve tracer. J. W. Balde, J. C. Beegar, and K. L. Chapman. 2,626,980, Jan. 27.
 Electronic device for very high frequencies. G. Bezy. 2,627,050, Jan. 27.
 Electronic position and motion control system. C. L. Calos. 2,627,055, Jan. 27.
 Electrophotographic powder-image transfer mechanism, Portable. C. R. Mayo and R. W. Benson. 2,626,865, Jan. 27.
 Elevator attachment for ladders, Material. G. Eppink. 2,626,683, Jan. 27.
 Embalming apparatus. W. S. Moore. 2,626,446, Jan. 27.
 Embossed decorating. H. P. Fischer. 2,626,562, Jan. 27.
 Engraving and the like reproducing machine, Three-dimensional. T. F. Eberkalo. 2,626,540, Jan. 27.
 Esters of polycarboxylic acids and oxypropylated 2,2'-methylenebis (4-methyl-6-tert-butylphenol). M. De Groot. 2,626,958, Jan. 27.
 Excluding water penetration into well bores, Method and means for. J. R. Lockett. 2,626,778, Jan. 27.
 Expansion arbor. G. and E. F. Hohwart. 2,626,811, Jan. 27.
 Extraction of olefinic hydrocarbon mixtures. J. A. Chenick. 2,626,959, Jan. 27.
 Extraction of pectin from sugar beet pulp. A. E. Bishop. 2,626,706, Jan. 27.
 Eye bath device. J. G. Campbell. 2,626,606, Jan. 27.
 Fabric: See—
 Nonwoven rayon fabric.
 Fan wheel for centrifugal fans. S. C. Osborne. 2,626,741, Jan. 27.
 Fastener for buttons and other articles, Detachable. J. Rubenstein. 2,626,437, Jan. 27.
 Feed mechanism for nipple threading machines and the like. G. B. Marsden. 2,626,409, Jan. 27.
 Feeding mechanism for spreader and seeder apparatus. F. S. Ajero. 2,626,729, Jan. 27.
 File folder, Vertical-type. J. S. McTavish and A. H. Topham. 2,626,610, Jan. 27.
 Film shipping case. J. J. Ash. 2,626,705, Jan. 27.
 Finishing process for felt and felt hat bodies. I. Kaufman. 2,626,732, Jan. 27.
 Fire detector. M. E. Onellette. 2,627,004, Jan. 27.
 Firing pin retracting means for firearms. J. L. Lochhead. 2,626,474, Jan. 27.
 Fish landing net. O. C. Richardson. 2,626,477, Jan. 27.
 Flashing rod holder. T. C. Norman. 2,626,770, Jan. 27.
 Fixing lithographic diaotype printing foils which have been exposed to light. W. Neugebauer and J. Barthendeler. 2,626,866, Jan. 27.
 Fixture for grinding thread cutting tools and the like. T. Penkoff and L. Egoroff. 2,626,491, Jan. 27.
 Flexible container. M. M. Barton. 2,626,647, Jan. 27.
 Flexible coupling. C. E. Forsythe. 2,626,511, Jan. 27.
 Flexible form for integral concrete curbs and gutters. A. S. Wolf and C. J. Zigan. 2,626,444, Jan. 27.
 Floating gear pump. R. Q. Armington and W. F. Double. 2,626,670, Jan. 27.
 Fluid pressure mechanism for effecting step-by-operation of a member to be operated. G. G. Kimmell. 2,626,594, Jan. 27.
 Folding box. H. A. Felgelman. 2,626,739, Jan. 27.
 Forged blanks and forgings, Making. W. W. Criley. 2,626,453, Jan. 27.
 Form and clamp for shaping shoe uppers, Combination. F. Ashworth and E. E. Chase. 2,626,410, Jan. 27.
 Forming fibers, Method and apparatus for. C. J. Stalego. 2,626,484, Jan. 27.
 Forming silica and for coating lamp bulbs, Method for. M. Pipkin. 2,626,874, Jan. 27.
 Frequency meter. G. K. Jensen and J. E. McGeogh. 2,627,033, Jan. 27.
 Friction-driven sharpening device. R. Waldbauer. 2,626,485, Jan. 27.
 Front feed paper gauge. W. A. Anderson. 2,626,696, Jan. 27.
 Fuel blending agent and producing same, Aviation. M. R. Morrow. 2,626,893, Jan. 27.
 Fuel cell, Self-sealing. R. H. Gerke. 2,626,882, Jan. 27.
 Fuel feed mechanism for gas burners, Time controlled. H. McDowell. 2,626,661, Jan. 27.
 Fuel supply system, Jet engine. W. C. Trautman and A. A. Meddock. 2,626,655, Jan. 27.
 Fuse. S. S. Podnos, S. J. Odlerio, Jr., and P. H. Thompson. 2,626,568, Jan. 27.
 Fused connecting attachment. S. H. Melnick and W. Rusnak. 2,627,001, Jan. 27.
 Garment space saver. A. H. Rover. 2,626,714, Jan. 27.
 Garter strap for cylinder molds, Fluid pressure sealed. L. Hornboastel. 2,626,543, Jan. 27.
 Gas burner and internal baffle for gas distribution. D. H. Wyatt. 2,626,656, Jan. 27.
 Gas distributor for stoves. H. McDowell. 2,626,634, Jan. 27.
 Gas holder. H. A. Fromson. 2,626,859, Jan. 27.
 Gas-solid extrusion reactor. G. J. Allea. 2,626,856, Jan. 27.
 Gas turbine power plant having compressor, turbine, and hollow shaft therebetween. V. H. Pavlecka and F. Dalenbach. 2,626,501, Jan. 27.
 Gasoline treating process. E. R. Quilman and J. B. Lewis. 2,626,891, Jan. 27.
 Gating circuits. W. H. MacWilliams, Jr. 2,627,039, Jan. 27.
 Gauge: See—
 Front feed paper gauge.
 Universal indicator gauge.
 Height gauge.
 Gauge for sawed sawteeth. L. Stanton. 2,626,466, Jan. 27.
 Gear: See—
 Aircraft arresting gear.
 Generator: See—
 Electric wave generator.
 Sweep generator.
 Impulse generator.
 Generator and cleaner, Electric steam. W. C. Hackman. 2,627,016, Jan. 27.
 Golf cart, Collapsible. J. F. Chamberlin. 2,626,815, Jan. 27.
 Golf cart, Foldable. J. F. Chamberlin. 2,626,814, Jan. 27.
 Gondola car end. J. S. Swann. 2,626,673, Jan. 27.
 Grease compositions. S. T. Abrams and F. H. Stross. 2,626,899, Jan. 27.
 Grinder, Car wheel. H. E. Balsiger. 2,626,492, Jan. 27.
 Grinding attachment. J. Alrile and W. W. Mackay. 2,626,488, Jan. 27.
 Grounding terminal. F. A. Dutra. 2,626,973, Jan. 27.
 Guided wave frequency range transducer. J. R. Pierce. 2,626,990, Jan. 27.
 Halocyclic compounds, Production of. L. Schmerling. 2,626,962, Jan. 27.
 Hammer, Electric. L. Tarwater. 2,626,598, Jan. 27.
 Handle assembly for jalousies and Venetian windows. H. N. Quoss. 2,626,529, Jan. 27.
 Hanger: See—
 Hat hanger.
 Loose-leaf sheet calendar hanger.
 Loose-leaf calendar hanger.
 Hanger and article holder, Composite garment. R. Peacock. 2,626,713, Jan. 27.
 Hanger and cover, Combined tile. M. B. Gwinn and L. Whitehead. 2,626,735, Jan. 27.
 Harvester cleaning attachment, Vegetable. R. R. Sholer. 2,626,708, Jan. 27.
 Hat hanger. W. H. Frush. 2,626,712, Jan. 27.
 Hay and manure loader. W. H. Talbott. 2,626,722, Jan. 27.
 Headrest. C. L. Fout. 2,626,654, Jan. 27.
 Heat conduction arrester in automatic beverage dispensers. L. M. Lewis and L. M. Lewis, Jr. 2,626,785, Jan. 27.
 Heat exchanger. L. H. Fritsberg. 2,626,783, Jan. 27.
 Heat transfer corrector for electronic molds. G. P. Bosomworth. 2,626,428, Jan. 27.
 Heater: See—
 Battery heater.
 Radiant heater.
 Constant temperature gas heater.
 Therapeutic heater.
 Heating device for window cleaners. W. C. Eaves. 2,627,011, Jan. 27.
 Heating of surfaces by laminated foil resistance elements with timed connecting means. J. Kinella and E. O. Rubertson. 2,627,012, Jan. 27.
 Heating system, Fluid. R. W. Curtis. 2,626,795, Jan. 27.
 Heating system, Fluid. P. R. Grossman. 2,626,794, Jan. 27.
 Heating system with outdoor control. E. B. Tidd. 2,626,755, Jan. 27.
 Height gauge. A. Deakin. 2,626,463, Jan. 27.
 Hexa(alkoxy) and hexa(alkylthio)dialloxanes. B. A. Orkin. 2,626,957, Jan. 27.
 Hinge structure. G. W. Lyons. 2,626,421, Jan. 27.
 Holst. T. M. Date. 2,626,505, Jan. 27.
 Holder: See—
 Fishing rod holder.
 Mop holder.
 Gas holder.
 Price tag holder.
 Holder for toilet paper in web form. L. L. Simpson and S. E. Weakland. 2,626,761, Jan. 27.
 Hollow drill assembly. W. R. Spiller. 2,626,667, Jan. 27.
 Honing. T. A. Olson. 2,626,486, Jan. 27.
 Housing and feeding livestock, Means for. P. M. Masur and R. Barnhart. 2,626,591, Jan. 27.
 Hydraulic control valve. F. B. Hutton. 2,626,630, Jan. 27.
 Hydraulic control valve. F. B. Hutton and L. A. Medlar. 2,626,631, Jan. 27.
 Hydraulic mechanism for imparting a rotary motion to a member. J. Frisone. 2,626,504, Jan. 27.
 Hydraulically displacing well materials. W. A. Maxwell and J. A. Engstrand. 2,626,829, Jan. 27.

Hydrazide of organic sulfonic acid as blowing agent in plastics. F. Lober, M. Bögemann, and R. Wegler. 2,626,933, Jan. 27.

Hypodermic needle cleaning apparatus. W. J. Holderith. 2,626,624, Jan. 27.

Image-reproducing device. J. J. O'Callaghan. 2,627,043, Jan. 27.

Implement frame for four-wheeled tractors, Rigid. J. L. Williams. 2,626,548, Jan. 27.

Impregnating cloth for repairing metal surfaces. C. H. Allen. 2,626,873, Jan. 27.

Impulse generator. A. A. Varela. 2,627,030, Jan. 27.

Inductance and self-capacitance measuring device. E. M. Shiepe. 2,626,961, Jan. 27.

Ingot mold. E. Marburg. 2,626,436, Jan. 27.

Insecticide spraying and dusting apparatus, Airplane. F. J. Wadman. 2,626,769, Jan. 27.

Instrument for producing a regulated force responsive to a condition. A. J. Rosenberger and A. Goldberg. 2,626,626, Jan. 27.

Insulator socket assembly for fluorescent tubes. J. A. Howenstine. 2,626,976, Jan. 27.

Interfitted and interengaged nesting table. J. Shenker. 2,626,843, Jan. 27.

Interlock for broaching machines, Electrically operated safety. C. F. Tritellne and B. L. Wright. 2,626,542, Jan. 27.

Interpolymerization of polyolefinic esters of 2-alkenyl alcohols with certain monolefinic hydrocarbons. F. J. Carlin. 2,626,945, Jan. 27.

Interrupter part of compressed-air breakers. B. P. Baker, E. Frisch, W. S. Asper, and J. B. MacNeill. 2,627,005, Jan. 27.

Jaw crusher. H. L. Barber and G. L. Sellars. 2,626,759, Jan. 27.

Joint: See—

Combination jar and safety joint.

Joint, Adjustable. A. S. T. Lagaard. 2,626,688, Jan. 27.

Key cutting machine. H. Abrams. 2,626,663, Jan. 27.

Killing plants. P. W. Zimmerman and A. E. Hitchcock. 2,626,862, Jan. 27.

Knitting. I. H. C. Green. 2,626,516, Jan. 27.

Knitting machine and method. V. Lombardi. 2,626,513, Jan. 27.

Laminated sheet and making same. W. M. Scholl. 2,626,886, Jan. 27.

Lamp brooder, Infrared. J. L. Hollinger. 2,627,016, Jan. 27.

Land roller. L. J. Ritsert. 2,626,496, Jan. 27.

Latch: See—

Door latch.

Lateral stretching of thermoelectric film. M. Lammertse. 2,626,422, Jan. 27.

Lawn edger. J. S. Wick. 2,626,499, Jan. 27.

Leaf spring spacing structure and anchorage therefor. J. W. and R. A. Watson. 2,626,798, Jan. 27.

Letter-feed mechanism for typewriters and like machines. W. F. Helmond. 2,626,694, Jan. 27.

Lift for deep well hydraulic pumps. E. M. Kaudson. 2,626,569, Jan. 27.

Lifter for beet harvesters. T. W. Bohmker. 2,626,497, Jan. 27.

Lighted cigarette holder. W. S. Glance. 2,626,613, Jan. 27.

Lighter, Cigarette. L. T. Ward. 2,626,517, Jan. 27.

Lighter fuel feeding structure. W. I. Nissen. 2,626,518, Jan. 27.

Line-attaching device. G. R. Powell. 2,626,438, Jan. 27.

Line number and page end margin indicator for typewriters. P. H. Wamsley. 2,626,697, Jan. 27.

Linoform scratch compositions. F. J. Hahn. 2,626,936, Jan. 27.

Liquid-liquid contacting, Method of and apparatus for. S. C. Carney. 2,626,589, Jan. 27.

Liquid separator. E. L. Kriebel. 2,626,709, Jan. 27.

Load equalizing device for thrust bearings. A. W. Burks. 2,626,842, Jan. 27.

Loading and cocking mechanism for target traps. J. K. Lyon. 2,626,596, Jan. 27.

Locking type clutch. Y. A. Bouget and C. E. Magnuson. 2,626,821, Jan. 27.

Log handling boom. C. H. Sparks and F. C. Turner. 2,626,715, Jan. 27.

Loose-leaf calendar hanger. O. P. Winford. 2,626,816, Jan. 27.

Loose-leaf sheet calendar hanger. O. P. Winford. 2,626,817, Jan. 27.

Lost motion or backlash compensation. W. K. Schnepf. 2,626,587, Jan. 27.

Lubricator for wheel flanges. W. E. Burrell. 2,626,680, Jan. 27.

Machine for cleaning the water spaces of radiators and engine blocks of motor vehicle power plants. O. G. Tilton. 2,626,623, Jan. 27.

Magnetic testing apparatus. G. G. Lavery. 2,626,983, Jan. 27.

Magneto having short circuiting means, Flywheel. R. E. Phelon. 2,627,041, Jan. 27.

Manure spreader feeding device. R. C. Ferguson. 2,626,806, Jan. 27.

Masonry pointing tool. G. R. Ruedi. 2,626,521, Jan. 27.

Mass spectrometry. H. W. Washburn and C. E. Berry. 2,627,034, Jan. 27.

Match package. H. G. Watson, Sr. 2,626,703, Jan. 27.

Material receiving, storing, and dispensing apparatus. W. J. Gibbs and C. H. Larsen. 2,626,727, Jan. 27.

Mattress, Combined inner-spring and rubber. A. Wasley. 2,626,408, Jan. 27.

Measuring device. E. W. Graham. 2,627,062, Jan. 27.

Measuring vessel, Adjustable. F. R. Chester. 2,626,526, Jan. 27.

Meter: See—

Frequency meter.

Methylstannic acid, Preparation of. K. C. Eberly and C. E. Reat. 2,626,955, Jan. 27.

Micrometer. M. Mennesson. 2,626,464, Jan. 27.

Milk cooler. F. A. Hansen. 2,626,784, Jan. 27.

Milk line nipple. M. J. Smith. 2,626,590, Jan. 27.

Mill: See—

Attrition mill.

Milliamperage stabilizer. J. Ball. 2,627,035, Jan. 27.

Mineral wool, Method and apparatus for production of. C. W. Hawthorne, Jr. 2,626,424, Jan. 27.

Mirror, Adjustable rearview. M. C. Peterson. 2,626,539, Jan. 27.

Mixtures of oxyalkylated alkyl phenol-aldehyde resins. M. De Groot. 2,626,942, Jan. 27.

Mold: See—

Ingot mold.

Moisture collector for flush tanks. S. H. Butow. 2,626,403, Jan. 27.

Mop holder. H. J. Logel. 2,626,415, Jan. 27.

Motor: See—

Stepping motor.

Motor control. S. Noodleman. 2,627,059, Jan. 27.

Mounting: See—

Removably attachable lamp switch mounting.

Mounting for drilling apparatus, Reversible. R. A. McCallum. 2,626,782, Jan. 27.

Mud mixer and agitator. D. Ragland. 2,626,788, Jan. 27.

Mulling machine. J. A. Scarlett. 2,626,758, Jan. 27.

Multiple tap resistance unit and making the same. J. Dunlop. 2,627,008, Jan. 27.

Needle and transfer bit, Knitting. E. St. Pierre. 2,626,515, Jan. 27.

Needle, Knitting. P. J. Schoenster. 2,626,514, Jan. 27.

Nonwoven rayon fabric. A. W. Boese. 2,626,883, Jan. 27.

Nozzle casing for broom-type vacuum cleaners. G. M. Kelly and C. M. Leatherman. 2,626,418, Jan. 27.

Nozzle, valve, and can top construction, Aerosol spray. H. D. North, Jr. 2,626,834, Jan. 27.

Obtaining a pyrotechnical composition. J. L. M. Frejacques. 2,626,861, Jan. 27.

Oil seal. D. A. Boyd. 2,626,822, Jan. 27.

Olefin-cyclododecyl-divinylbenzene tripolymer and preparation thereof. W. J. Sparks and R. M. Thomas. 2,626,940, Jan. 27.

O-alkyl-2 or 4-[(N-alkyl-N-di-alkylaminoalkyl)aminophenethyl]-piperidines and salts thereof. J. Flakelstein and J. Lee. 2,626,948, Jan. 27.

1,4-dioxo-5-(nitrophenyl)-1,4,4a,5,8,8a-hexahydro-naphthalenes. M. W. Goldberg and W. E. Scott. 2,626,960, Jan. 27.

1,2,5,6-tetrachloro-1,5-cyclooctadiene. K. C. Eberly and R. J. Reid. 2,626,961, Jan. 27.

1,2,3,3,4-hexachlorobutane. P. A. Wiseman. 2,626,965, Jan. 27.

Open-top refrigerated display case. G. K. Bently. 2,626,508, Jan. 27.

Oscillator, Relaxation. J. R. Moore. 2,627,031, Jan. 27.

Oscillator, Self-pulsing. A. A. Varela. 2,627,029, Jan. 27.

Oven conveyor having gilded trays. W. P. Schonwald. 2,626,700, Jan. 27.

Oven, Portable barber. K. E. Rau. 2,626,559, Jan. 27.

Overdraft mechanism for accounting machines. R. A. Christian, P. H. Williams, J. R. Ganger, A. R. Colley, A. J. Strachan, W. L. Paden, J. H. Crawford, H. C. Johnson, R. H. Geiger, and R. C. Mitchell. 2,626,749, Jan. 27.

Overload release for pliter drive mechanism. F. P. Russo. 2,626,844, Jan. 27.

Oxide resistors and making same, Heavy-metal. E. Albers-Schoenberg. 2,626,445, Jan. 27.

Oxypropylated allyl starch. M. De Groot. 2,626,937, Jan. 27.

Package for perfume and the like. J. E. Valentine. 2,626,833, Jan. 27.

Packaging machine. H. P. Lewis. 2,626,494, Jan. 27.

Packing gland, Self-tightening. M. P. Laurent. 2,626,840, Jan. 27.

Pad: See—

Cushion pad.

Painting apparatus, Electrostatic spray. L. J. Lamm. 2,626,589, Jan. 27.

Palletizing skid. G. Harrison. 2,626,456, Jan. 27.

Parking system. I. F. Weber. 2,626,718, Jan. 27.

Paving composition, Preparing a. K. E. McConaughay. 2,626,875, Jan. 27.

Peeling apparatus, Vegetable. A. M. Hubman. 2,626,645, Jan. 27.

Peeling vegetables and the like. L. E. Treat. 2,626,846, Jan. 27.

Pencil, Mechanical push-type lead. E. C. Hedler. 2,626,592, Jan. 27.

Pencil sharpener. R. C. Gwin, Jr. 2,626,593, Jan. 27.

Petroleum emulsions, Breaking. M. De Groot. 2,626,901-29, Jan. 27.

Photographic element, Light-sensitive. L. J. Webster. 2,626,867, Jan. 27.

Photometer, Comparative. A. A. Brown. 2,626,989, Jan. 27.

Photorelay circuit. N. D. Glyptis. 2,627,036, Jan. 27.

Physiotherapeutic device. D. K. McMennamy. 2,626,600, Jan. 27.

Pile regulator. H. H. C. Richards, Jr. 2,627,007, Jan. 27.

Pipe coupling. E. M. Dons and J. V. Stevens. 2,626,820, Jan. 27.

Pipe feeding device. W. A. Kraper. 2,626,717, Jan. 27.

Pipe puller. A. B. Wilson. 2,626,831, Jan. 27.

Plasterer's darby. E. A. Whalen. 2,626,520, Jan. 27.

Plastics, Expanded. I. L. Newell. 2,626,968, Jan. 27.

Plow, Two-way. J. C. Moomaw. 2,626,546, Jan. 27.

Plug: See—

Spark plug.

Plug and socket, Explosion proof. J. G. Howard and P. S. Rockwell. 2,626,974, Jan. 27.

Plug-in distribution panel board. T. M. Cole. 2,626,984, Jan. 27.

Plywood press. R. G. Weyant. 2,626,642, Jan. 27.

Polish, Wax and silicone oil auto. H. H. Cooke and D. Russo. 2,626,870, Jan. 27.

Polymeric organic tin compounds. G. P. Mack and E. Parker. 2,626,953, Jan. 27.

Polymerizable and polymerized acrylonitrile compositions. J. A. Price, W. M. Thomas, and J. J. Padbury. 2,626,946, Jan. 27.

Polymerization products and preparing them. H. Bestian. 2,626,931, Jan. 27.

Polypropylene benzene sulfonate detergent compositions containing tetrasodium pyrophosphate. S. A. Russell. 2,626,900, Jan. 27.

Positioning structure for cathode-ray tubes. G. H. Blaker and E. B. Cain. 2,627,066, Jan. 27.

Power control bridge. J. Radigan. 2,627,061, Jan. 27.

Power lift for tractor mounted implements. W. H. Silver and R. E. Cox. 2,626,554, Jan. 27.

Power plant control mechanism. E. R. Price. 2,626,691, Jan. 27.

Power supply arrangement for television receivers. C. E. Torsch. 2,626,988, Jan. 27.

Precision balance. J. E. Seederer and I. Feuer. 2,626,796, Jan. 27.

Press: See—

Plywood press.

Sleeve press.

Pressure cooker. O. M. Burkhardt. 2,626,560, Jan. 27.

Pressure differential control system for closed steam boiler return systems. A. G. Arbogast. 2,626,756, Jan. 27.

Pressure operated valve. A. B. Wilson. 2,626,633, Jan. 27.

Prestressed spring. J. D. Howell. 2,626,799, Jan. 27.

Preventing coke formation in distillation towers, Method and apparatus for. J. S. Palmer. 2,626,894, Jan. 27.

Prewarming device for film slides. P. J. Howard. 2,627,017, Jan. 27.

Price tag holder. J. Stingsl. 2,626,472, Jan. 27.

Printing machine, Ticket and strip. U. Schuster. 2,626,565, Jan. 27.

Printing tag, Address type. L. E. Vogt. 2,626,567, Jan. 27.

Processing machine having a treatment tank and an elevator mechanism. T. H. Curtia. 2,626,021, Jan. 27.

Propeller control. R. E. Moore and J. F. Mack. 2,626,669, Jan. 27.

Propeller control. R. E. Moore. 2,626,670, Jan. 27.

Propeller feathering. K. L. Berninger. 2,626,668, Jan. 27.

Proportioning device. L. E. Harper. 2,626,728, Jan. 27.

Proportioning device. L. E. Harper. 2,626,787, Jan. 27.

Protective device for magnetic recorders. L. E. Chick. 2,626,760, Jan. 27.

Protector: See—

Ventilated plant protector.

Puller: See—

Pipe puller.

Pump: See—

Floating gear pump.

Sidewall actuated tire pump.

Rotary positive displacement pump.

Pump and motor power system, Hydraulic. D. D. Wallace and W. F. Erickson. 2,626,503, Jan. 27.

Puppet. R. Tipman. 2,626,480, Jan. 27.

Purification of cuprous oxide. J. W. Ayers. 2,626,854, Jan. 27.

Purifying and concentrating heavy rubber latex. E. M. Glymph. 2,626,960, Jan. 27.

Rack: See—

Adjustable peg rack.

Racket for tennis and batting games. R. H. Robinson. 2,626,804, Jan. 27.

Radiant heater. J. E. Kolb. 2,627,014, Jan. 27.

Radio echo apparatus. R. M. Page. 2,627,070, Jan. 27.

Radio receiver, Noise reducing. I. H. Page. 2,627,023, Jan. 27.

Radio refractor, Nonreflective. W. E. Kock. 2,627,027, Jan. 27.

Radio relay system, Airborne transoceanic. C. W. Hansell and D. S. Bond. 2,627,021, Jan. 27.

Radio system. W. A. Huber. 2,627,068, Jan. 27.

Range follow-up. J. R. Rogers. 2,627,057, Jan. 27.

Ratchet structure for ring compressors. L. B. Miller. 2,626,530, Jan. 27.

Reaction of alpha-thiocarbonyl compounds with primary amines and their acid salts. J. T. Gregory. 2,626,949, Jan. 27.

Reclaiming rubbers. G. E. P. Smith, Jr. 2,626,932, Jan. 27.

Recovering lost circulation occurring in productive strata in wells, Method of. A. L. Armentrout. 2,626,779, Jan. 27.

Reel and tightener, Clothedline. W. M. Dunnock. 2,626,763, Jan. 27.

Refrigeration control mechanism. E. F. Dickleson, Jr. 2,626,506, Jan. 27.

Refrigerator, High-humidity. W. L. Morrison. 2,626,509, Jan. 27.

Regulator: See—

Pile regulator.

Regulator responsive to the electrical conductivity of a solution. A. W. Smith. 2,626,620, Jan. 27.

Release trigger for guns, Two-part. W. C. Miller. 2,626,476, Jan. 27.

Removably attachable lamp mounting. E. C. Welskopf. 2,627,019, Jan. 27.

Removing deposits containing lead compounds. A. Lazar. 2,626,879, Jan. 27.

Resin adhesive and making same, Alkaline-setting. C. C. Kesler. 2,626,934, Jan. 27.

Ring: See—

Wheel lug locking ring.

Roller adjustment indicator for pellet mills. E. N. Meakin. 2,626,576, Jan. 27.

Roof panel. A. D. Roush and O. M. Stola. 2,626,577, Jan. 27.

Root ripping attachment for bulldozers. C. A. Dobrinich, Jr. 2,626,468, Jan. 27.

Rope connection. T. G. Hunt. 2,626,447, Jan. 27.

Rotary and reciprocating multiple valve. J. Galera. 2,626,810, Jan. 27.

Rotary positive displacement pump. W. J. Hoenecke. 2,626,571, Jan. 27.

Rotor arrangement for single-rotor helicopters. J. E. McDonald. 2,626,766, Jan. 27.

Rotor for corn shellers. M. W. Nixon. 2,626,611, Jan. 27.

Rutin concentrates, Production of. H. Miller. 2,626,869, Jan. 27.

Safety stop for bed and cylinder printing presses. J. F. Banthio. 2,626,564, Jan. 27.

Sander, Hand. L. J. Meers. 2,626,490, Jan. 27.

Sanding block construction. R. G. Thompson. 2,626,489, Jan. 27.

Sanding device for vehicles. S. G. Stoberg. 2,626,823, Jan. 27.

Sandwich-making machine. J. L. Whitael. 2,626,575, Jan. 27.

Sawmill dog, Pneumatically operated. W. F. Cahoon. 2,626,640, Jan. 27.

Saw setting tool. L. Tomlinson. 2,626,531, Jan. 27.

Sensors. L. J. Wahl. 2,626,460, Jan. 27.

Scrubbing machine. Rug. W. L. Petersen. 2,626,412, Jan. 27.

Seafloor spoilage indicating system. W. C. Hand. 2,626,855, Jan. 27.

Sealing device. H. F. Stoffel. 2,626,825, Jan. 27.

Seat: See—

Valve seat.

Selective carbonation of slurries and mixtures of calcium and magnesium hydroxide. G. M. Armstrong and H. A. Cook. 2,626,853, Jan. 27.

Self-aligning bearing. L. R. Potter. 2,626,841, Jan. 27.

Separator: See—

Centrifugal separator.

Liquid separator.

Sewer obstacle remover. R. V. Marks. 2,626,404, Jan. 27.

Share, Two-piece. R. C. Frevik. 2,626,555, Jan. 27.

Sheathed plug connector. W. J. Coyle. 2,626,978, Jan. 27.

Sheet delivering apparatus. G. A. Martin. 2,626,800, Jan. 27.

Shelf support. R. J. Backman. 2,626,773, Jan. 27.

Shock absorber. G. A. Brundrett. 2,626,685, Jan. 27.

Shoe cleats, Making baseball. E. A. Richardson. 2,626,454, Jan. 27.

Shut-off for printing presses, Automatic. J. F. Banthio. 2,626,563, Jan. 27.

Shuttle box front for looms. W. E. Burcham. 2,626,686, Jan. 27.

Shuttlecock. W. C. Carlton. 2,626,806, Jan. 27.

Shuttlecock and making. W. C. Carlton. 2,626,805, Jan. 27.

Shuttlecock, Molded. W. C. Carlton. 2,626,807, Jan. 27.

Slide dressing attachment. R. A. Shaw. 2,626,579, Jan. 27.

Sidewall actuated tire pump. W. A. Gibbons and T. J. Rhodes. 2,626,850, Jan. 27.

Side wall sampling device. M. E. True. 2,626,777, Jan. 27.

Sign structure with hinged face. J. A. Howenstine. 2,626,473, Jan. 27.

Signal delay device. E. W. Holman. 2,626,992, Jan. 27.

Sinker and method of loop transferring. E. St. Pierre. 2,626,512, Jan. 27.

Slate splitting machine. E. T. Lake. 2,626,597, Jan. 27.
 Sleeve construction. R. Kanlin. 2,626,398, Jan. 27.
 Sleeve fold guiding and supporting device. P. H. Simonson. 2,626,734, Jan. 27.
 Sleeve press. I. C. Maxwell and G. H. Langen. 2,626,733, Jan. 27.
 Slide assembly for extension tables. Metal. J. Cooper. 2,626,844, Jan. 27.
 Slider for slide fasteners. A. E. Carlile. 2,626,440, Jan. 27.
 Smoke detector testing means. F. B. Allen. 2,627,064, Jan. 27.
 Snap fastener socket assembly. J. Blazej. 2,626,442-3, Jan. 27.
 Snap fastener socket assembly. H. S. van Buren, Jr. 2,626,441, Jan. 27.
 Soaps, Aluminum. W. A. Young and J. C. Zaborski. 2,626,897, Jan. 27.
 Sodium sesquicarbonate from a brine containing a substantial sodium carbonate content. Production of. A. C. Byrns. 2,626,852, Jan. 27.
 Solder flux and preparing the flux. W. H. Schoenfeld, Jr. 2,626,881, Jan. 27.
 Space controlling mechanism for multipitch escapement typewriters. O. C. W. Henze and J. L. Sweeney. 2,626,893, Jan. 27.
 Spark plug. F. E. Berstler. 2,626,595, Jan. 27.
 Spraying head. J. L. and J. W. Frye. 2,626,835, Jan. 27.
 Spring: See—
 Prestressed spring.
 Spring contact testing apparatus. H. S. Pike. 2,626,523, Jan. 27.
 Sprinkler head. C. Herron. 2,626,838, Jan. 27.
 Stabilization of glyceride oils with starch phosphates. J. C. Cowan and C. D. Evans. 2,626,951, Jan. 27.
 Stabilizing polymerized methyl vinyl ketone. I. Skelst and S. B. McFarlane. 2,626,943, Jan. 27.
 Stannous complexes and their preparation. H. E. Albert. 2,626,954, Jan. 27.
 Starting-generating and ignition system for vehicles with automatic cutoff switches. R. Morrissette. 2,627,037, Jan. 27.
 Static conductivity measuring device. J. B. Collins. 2,626,982, Jan. 27.
 Stepping motor. S. Hansen. 2,627,040, Jan. 27.
 Stereotype plate finishing machine. C. L. Ricards, L. Tornberg, and P. L. Tollison. 2,626,541, Jan. 27.
 P. L. Tollison. 2,626,541, Jan. 27.
 Stick-holding device. D. Glasz. 2,626,830, Jan. 27.
 Stock feed mechanism. G. G. Gridley. 2,626,451-2, Jan. 27.
 Stock-feed mechanism. D. H. Montgomery. 2,626,449, Jan. 27.
 Storage battery separators. Making. E. W. Merrill. 2,626,429, Jan. 27.
 Storage battery transporting cart. A. E. Marquardt. 2,626,972, Jan. 27.
 Stove. Cook. W. D. Fortune. 2,626,561, Jan. 27.
 Strainer for water and other liquids. Self-cleaning. R. V. Sesholm. 2,626,710, Jan. 27.
 Strand joining device. C. A. Flood. 2,626,393, Jan. 27.
 Stress relieving apparatus. C. A. Maxwell and J. P. Craven. 2,626,792, Jan. 27.
 Structure for an explosion-proof plug and socket. Delayed action. P. S. Rockwell and J. G. Howard. 2,626,975, Jan. 27.
 Sugar purification. J. P. Bartz. 2,626,878, Jan. 27.
 Suit. Diving. E. D. Bule. 2,626,602, Jan. 27.
 Support: See—
 Shelf support.
 Support. L. H. Flora. 2,626,772, Jan. 27.
 Swab for tire assembly machines. C. E. Manning and G. E. Walch. 2,626,651, Jan. 27.
 Sweep generator. G. C. Trembly. 2,627,025, Jan. 27.
 Sweetening gasoline. G. W. Ayers and E. E. Harton. 2,626,890, Jan. 27.
 Switch: See—
 Bimetallic switch.
 Switch. M. L. Jeffrey. 2,627,000, Jan. 27.
 Switch device. Inertia-controlled. J. H. Coombes. 2,626,998, Jan. 27.
 Switch mounting. J. W. Lawson and W. E. Brown. 2,627,008, Jan. 27.
 Switching system for electrical telecommunications. Automatic. H. M. Veaux. 2,626,987, Jan. 27.
 Syringe, Hypodermic. D. Gabriel. 2,626,603, Jan. 27.
 Syringe, Hypodermic. J. C. Nadeau. 2,626,604, Jan. 27.
 System for determination of viscosity. E. F. MacNichol and I. H. Sudman. 2,626,986, Jan. 27.
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 Interfitted and interengaged nesting table.
 Tank cooling device and air cooling device. L. Lefevre. 2,626,791, Jan. 27.
 Tape cutter. H. A. Coldiron. 2,626,666, Jan. 27.
 Telegraph system. Multiplex. A. Weaver. 2,626,994, Jan. 27.
 Television receiver cabinet light shield. J. K. Rose. 2,627,067, Jan. 27.
 Television receiver horizontal deflection circuit. L. R. Helpert and H. W. Appel. 2,627,052, Jan. 27.
 Temperature control system. M. J. Parker and A. J. Turpin. 2,626,754, Jan. 27.
 Temple retaining device. S. Frum. 2,626,538, Jan. 27.
 Textile drafting. S. L. Abbott. 2,626,431, Jan. 27.
 Therapeutic heater. R. B. Duren. 2,627,018, Jan. 27.
 Thermochemical material removal. E. Meisner. 2,626,880, Jan. 27.
 Thermoelectric couple and making same. G. Hunrath. 2,626,970, Jan. 27.
 Thermometer. Shower bath spray head. S. D. Harman. 2,626,524, Jan. 27.
 Thermostat. D. G. Merrill. 2,626,753, Jan. 27.
 Thermostatic control device. M. E. Porter. 2,627,003, Jan. 27.
 Thread pull-off device for sewing machines. E. L. Koenig. 2,626,580, Jan. 27.
 Timer, Ignition. O. H. Thomas. 2,626,997, Jan. 27.
 Timer outlet. Electrical. A. O. Seeler and L. Gehrig. 2,626,660, Jan. 27.
 Tire tread. J. C. Eller and W. E. Lyon. 2,626,649, Jan. 27.
 Tobacco sheet material and making same. F. G. Pearce. 2,626,612, Jan. 27.
 Tone control system. G. Monntjoy and C. R. Schafer. 2,626,991, Jan. 27.
 Tool: See—
 Masonry pointing tool. Saw setting tool.
 Toothholder. W. H. Jones. 2,626,812, Jan. 27.
 Tool mounting and making. Cutting. J. F. Romans. 2,626,532, Jan. 27.
 Tool supporting arm for radial saws. C. P. Gesner. 2,626,638, Jan. 27.
 Towel and bench bag. Combination. A. S. Anderson. 2,626,648, Jan. 27.
 Tower. Sorbing. J. L. Maher. 2,626,675, Jan. 27.
 Toy rattle. H. B. Toombs and G. Amberge. 2,626,481, Jan. 27.
 Track-carried hatch cover. K. H. Stehr. 2,626,583, Jan. 27.
 Tractor mounted lister. Quick detachable. W. H. Silver and R. E. Cox. 2,626,549, Jan. 27.
 Tractor. Power steered garden. W. G. Hardy and M. S. Burkholder. 2,626,671, Jan. 27.
 Tractor. Two-wheeled. A. S. Leighton. 2,626,672, Jan. 27.
 Trailer. Collapsible. F. Guthoerl. 2,626,832, Jan. 27.
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 Transformer assembling device. A. Waltert. 2,626,582, Jan. 27.
 Transmission having power coupling device. L. Newcomb and A. A. Ashton. 2,627,042, Jan. 27.
 Transmission operating mechanism. E. R. Price. 2,626,690, Jan. 27.
 Transplanting machine. C. V. Morline. 2,626,578, Jan. 27.
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 Tray. Folding. L. E. Dubach. 2,626,845, Jan. 27.
 Treating selenium rectifiers. Apparatus for and method of. J. N. Shive. 2,626,448, Jan. 27.
 Treatment of articles comprising a vinyl resin with an antistatic agent and treated articles. J. J. Carnes. 2,626,877, Jan. 27.
 Trough. Sectional water. M. L. Smallegan. 2,626,724, Jan. 27.
 Trousers construction. D. Lewis. 2,626,397, Jan. 27.
 Tube: See—
 Electric discharge tube.
 Tube counting arrangement. Gas discharge. A. J. Mulkey. 2,626,751, Jan. 27.
 Tube electrode. Cathode-ray. H. H. Boeing. 2,627,047, Jan. 27.
 Tube electrode. Cathode-ray. R. W. Shawfrank. 2,627,049, Jan. 27.
 2-baldimino-4-thiazolines. J. T. Gregory. 2,626,950, Jan. 27.
 2,3-dichloro-1,3-butadiene by dehydrochlorination of 1,2,3,4-tetrachlorobutane. Preparation of. K. C. Eberly and R. J. Reid. 2,626,964, Jan. 27.
 Universal indicator gauge. R. C. Bayer. 2,626,462, Jan. 27.
 Unloading system for mines. W. B. Lodge and G. A. Corden. 2,626,721, Jan. 27.
 Utensil. Cooking. G. M. Burkhardt. 2,626,726, Jan. 27.
 Vacuum cleaner nozzle and combing tooth construction therefor. G. M. Anderson. 2,626,419, Jan. 27.
 Vacuum pulsating exercising apparatus. J. P. Riley. 2,626,601, Jan. 27.
 Valve: See—
 Automatic shutoff valve. Rotary and reciprocating multiple valve.
 Hydraulic control valve.
 Pressure operated valve.
 Valve. F. J. Lange and F. H. Temple. 2,626,775, Jan. 27.
 Valve and valve operating mechanism therefor. Gate. C. E. Palmer. 2,626,774, Jan. 27.
 Valve closing mechanism for water closets. A. E. Blair. 2,626,399, Jan. 27.
 Valve construction. A. Eckstein. 2,626,635, Jan. 27.
 Valve for toilet tanks. Flushing. J. Castellano. 2,626,400, Jan. 27.
 Valve mechanism for reciprocating pistons. Snap action. R. E. Meyers. 2,626,527, Jan. 27.
 Valve seat. S. F. Martineau. 2,626,776, Jan. 27.
 Valve structure. I. R. Versey. 2,626,625, Jan. 27.
 Variable flow fluid displacement rotor. E. J. Sanders. 2,626,744, Jan. 27.
 Vehicle mounted implement. F. L. Derror and B. P. Gramly. 2,626,550, Jan. 27.

Vehicle mounted implement. G. M. Newlin. 2,626,553, Jan. 27.
 Vehicle stabilizing means. Automotive. H. C. Cuskie. 2,626,797, Jan. 27.
 Ventilated plant protector. R. J. Service. 2,626,483, Jan. 27.
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 Video gain and frequency response control. Combined. E. I. Anderson. 2,627,022, Jan. 27.
 Vinyl fluoride. Production of. J. W. Clark. 2,626,963, Jan. 27.
 Vitamin B₁₂ active substance elution from montmorillonite absorbents. S. Katooh, G. B. Hughey, and R. S. Malcolmson. 2,626,888, Jan. 27.
 Vulcanizing. J. W. Dawson. 2,626,430, Jan. 27.
 Walking aid. A. L. Steigler. 2,626,652, Jan. 27.
 Washing machine liners. Making. A. H. Gollings. 2,626,885, Jan. 27.
 Water impermeable, water vapor permeable coating. B. W. Habeck. 2,626,941, Jan. 27.
 Water-saving device for flush tanks. A. E. Blair. 2,626,401, Jan. 27.
 Welding and annealing metal articles. Method of and apparatus for. J. H. Corson, E. A. Snverkrop, and D. Lewis. 2,627,009, Jan. 27.
 Welding stainless steel. P. S. Villa. 2,626,459, Jan. 27.
 Wheel cover. G. A. Lyon. 2,626,838, Jan. 27.
 Wheel lug locking ring. G. E. Wilson and J. K. Vaughan. 2,626,837, Jan. 27.
 Window bay. Multiple service. J. C. Williams. 2,626,432, Jan. 27.
 Window construction. L. C. Ike. 2,626,434, Jan. 27.
 Window. Triple sliding. L. J. Milone. 2,626,858, Jan. 27.
 Windshield wiper. Air pressure operated. T. J. Turek. 2,626,416, Jan. 27.
 Wire guiding device. J. M. Biddison. 2,626,765, Jan. 27.
 Work-holding and screw-driving machine. Combined. J. E. Martell. 2,626,641, Jan. 27.
 Wrinkle remover for shoes. E. N. Garfinkel. 2,626,793, Jan. 27.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 27, 1953

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

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CLASSIFICATION OF PATENTS

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des. 168,709: 87—3 2,626,975: 183—4 2,626,985: 99—275 2,626,998: 267—49 2,626,999: 138—45

CLASSIFICATION OF DESIGNS

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Designs	52—No. 168,723 to No. 168,774, inclusive
Total	842

Patents expiring: Patent Numbers 2,029,283 to 2,030,040, inclusive, issued February 4, 1936, expire February 4, 1953

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Volume 667

Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

SINCLAIR WEEKS, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business January 16, 1953

Total number of patent applications awaiting action, 99,458. Date of oldest new application, April 16, 1952; date of oldest amended application, April 16, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) KEELY, J. E.			
1. GOLDBERO, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Sewerage.	5-1-52	4-29-52	1589
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers.	5-6-52	5-1-52	1299
3. MARMELSTEIN, N.-(WINDHAM, R. K., Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-3-52	6-3-52	1823
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus.	4-30-52	4-23-52	1463
5. ROBINSON, C. W., Harvesters; Koolters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-5-52	5-6-52	1070
6. SURLLE, H., Carbon Chemistry (part).	5-1-52	5-13-52	2232
7. GONSALVES, J. E.-(ANDERSON, E. G., Acting), Optics; Photography (part).	5-15-52	5-15-52	1404
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	5-23-52	5-24-52	1295
9. BRANSON, J. H., Pumps and Fans; Fluid Motors.	5-6-52	5-5-52	1400
10. REYNOLDS, E. R.-(NEFF, P. R., Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	5-10-52	5-12-52	1311
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	4-21-52	4-18-52	1263
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-17-52	4-18-52	1365
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	4-26-52	4-23-52	1339
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	5-7-52	5-2-52	1440
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	5-6-52	5-3-52	1662
16. LOVEWELL, N. N., Television, Telephony.	4-18-52	4-18-52	1450
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-25-52	4-22-52	1634
18. KURZ, J. A., Power Plants; Speed Responsive Devices.	5-19-52	5-19-52	706
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	4-17-52	4-17-52	1097
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-7-52	5-16-52	1303
21. MADER, R. C., Textiles.	4-17-52	4-17-52	1298
22. MARLAND, M. L., Aeronautics; Boats; Buoya; Ships; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	5-2-52	5-1-52	1141
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education.	4-23-52	4-23-52	897
24. DRACPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	6-2-52	6-13-52	1247
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	4-23-52	4-16-52	1429
26. YOUNO, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	5-16-52	5-16-52	1623
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making.	5-5-52	4-29-52	1516
28. BRAUNER, R. H., Motors, Expandable Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-8-52	5-9-52	1183
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus).	5-6-52	4-22-52	1170
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating Systems; Refrigeration; Illuminating Burners.	5-29-52	5-29-52	1484
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-21-52	4-19-52	2416
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-proportioning Systems.	5-5-52	5-12-52	1422
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	5-7-52	5-2-52	1782
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	4-23-52	4-23-52	1172
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles.	5-12-52	5-6-52	1315
36. McFADYEN, A. D., Measuring and Testing.	5-2-52	5-6-52	1065
37. LEVY, M. L., Electricity—Switches, Welding, Heating, Recorders.	5-15-52	5-12-52	1902
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	5-6-52	4-29-52	1509
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part).	7-3-52	7-2-52	1189
40. DRUMMOND, E. J., Receptacles (part); Packages.	7-11-52	7-5-52	1160
41. GURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-16-52	5-22-52	939

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 99,458. Date of oldest new application, April 16, 1952; date of oldest amended application, April 16, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	5-15-52	5-15-52	1093
43. ASP, N. A. (KNIGHT, W. O., Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-12-52	5-13-52	1552
44. HARVEY, L. P., Beds; Chairs; Seats.	4-22-52	4-23-52	1153
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-28-52	5-17-52	1304
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	4-25-52	4-30-52	1026
47. KANOP, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	4-18-52	4-18-52	1679
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	5-2-52	4-30-52	1667
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	4-23-52	4-25-52	1387
50. BENDEL, W. G., Synthetic Resins; Rubber.	6-10-52	6-17-52	1523
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	4-24-52	4-24-52	1501
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-23-52	5-21-52	2073
53. BRINDISI, M. V., Label Pasting and Paper Hanging, Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	5-19-52	5-28-52	1013
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	4-29-52	4-22-52	1813
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	5-14-52	5-19-52	996
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	5-10-52	5-10-52	1401
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	6-4-52	5-31-52	1614
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spittoons.	5-12-52	5-13-52	1277
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	5-14-52	5-16-52	1199
60. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-16-52	4-29-52	1130
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-24-52	5-24-52	1173
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	4-24-52	4-26-52	1839
64. GORECKI, G. A. (GREENWALD, J., Acting), Fuels and Miscellaneous Compositions.	4-21-52	4-21-52	1840
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	5-5-52	5-6-52	1344
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	4-30-52	5-7-52	903
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	5-7-52	4-28-52	1730
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-11-52	6-12-52	1276
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	5-2-52	5-5-52	1127
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	4-17-52	4-18-52	3146
DESIGNS: A.—BREHM, G. L., Industrial Arts.	9-19-52	9-19-52	770
B.—GRAY, M. A., Household, Personal and Fine Arts.	9-18-52	9-25-52	807

*Div. 60 was abolished as of December 15, 1952. See Commissioners Administrative Order No. 41 (665 O. O. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 12,505. Date of oldest new application, August 10, 1952; date of oldest amended application, August 8, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARROUR, H. E., Classes 1, 4, 5, 6, 12, 15, 18, 27, 28, 30, 33, 35, 44, 51, 52.	8-10-52	8-10-52	2798
II. SUMMERS, O. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	8-10-52	8-10-52	3360
Renewals (All Classes).	11-21-52	11-21-52	385
Republications (All Classes).	11-8-52	11-8-52	246
III. HACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	8-11-52	8-8-52	2111
IV. KEYS, O. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	8-14-52	8-14-52	2605

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

- 2,010,112, J. Schneiderman, Permanent wave rod, D. C., N. D. Ill. (Chicago), Doc. 51e317, *Raymond Laboratories, Inc. v. J. Schneiderman*. Consent decree holding patent invalid; counterclaim dismissed Dec. 3, 1952.
- 2,030,443, O. Gelsler, Solid rectifying element, D. C., S. D. Ind. (Indianapolis), Doc. 2220, *Federal Telephone & Radio Corp. et al. v. Sarkes Tarzian, Inc., et al.* Injunction entered; cause dismissed Nov. 17, 1952.
- 2,082,482, B. J. Cohen, Shoe protector, filed Dec. 8, 1952, D. C. Mass. (Boston), Doc. 32/1370, *Howard Paper Co., Inc. v. Brockton Mfg. Co., Inc.*
- 2,106,329, E. J. Scott, Apparatus for treating materials, D. C., E. D. Mich. (Detroit), Doc. 9558, *Steerns Mfg. Co., Inc. v. Besser Mfg. Co.* Claims 1 and 6 held invalid, claims 2 to 5 inclusive and 7 held not infringed; defendant's counterclaim dismissed with prejudice (notice Nov. 17, 1952).
- 2,120,667, B. Gruskin, Therapeutic agent for use in treatment of infection, D. C., N. D. Ill. (Chicago), Doc. 32c2097, *Ryston Co., Inc. v. M. P. Angland et al.* Dismissed without prejudice Nov. 17, 1952.
- 2,165,195, V. J. Sawdon, Envelopes, D. C., S. D. N. Y., Doc. 54/250, *The Saucedon Co., Inc. v. Popular Publications, Inc.* Stipulation and order of discontinuance (notice Dec. 8, 1952).
- 2,220,318, J. F. Nelson, Comb and detachable brush combination, filed Nov. 20, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. 13063, *B. Reemick v. Silvester Caparotta*.
- 2,264,486, Smith & Norman, Cake cutter and server, filed Nov. 6, 1952, D. C., N. D. Ill. (Chicago), Doc. 32c2378, *Krag Steel Products, Inc. v. Drake Products, Inc.*
- 2,273,342, V. E. Baum, Pump jack, filed Nov. 12, 1952, D. C., W. D. Okla. (Oklahoma City), Doc. 3666, *V. E. Baum v. Jones & Laughlin Supply Co., Inc., et al.*
- 2,352,014, A. Rott, Photo-mechanical printing process and printing material for carrying out the same, filed Nov. 21, 1952, D. C., N. D. Ill. (Chicago), Doc. 32c2493, *The Gervart Co. of America, Inc. v. American Photocopy Equipment Co. et al.*
- 2,397,430, J. Siermay, Transferring stitches, D. C., E. D. Pa. (Philadelphia), Doc. 10850, *Jacquard Knitting Machine Co., Inc. v. Ordnance Gauge Co., Inc.* Judgment dismissing complaint Nov. 14, 1952.
- 2,426,220, J. M. Johnson, Bituminous composition having increased adhesion to mineral aggregate, D. C., S. D. N. Y., Doc. 50/735, *Nostrup, Inc., et al. v. Lancaster Processes, Inc.* Consent decree, defendant enjoined Nov. 7, 1952.
- 2,454,208, R. E. Richman, Garment, D. C., S. D. N. Y., Doc. 38/218, *R. E. Richman v. Henry Rosenfeld, Inc.* Stipulation and order of discontinuance Nov. 10, 1952.
- 2,466,305, C. E. Costello, Well device, filed Nov. 3, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 1212-ND, *Baker Oil Tools, Inc. v. Atlas Service Co.*
- 2,471,706, G. A. Thiberg, Air pump for aquarium aeration, filed Nov. 13, 1952, D. C. N. J. (Newark), Doc. 790/49, *G. A. Thiberg v. E. Bach*. Judgment in this action dismissed the count alleging infringement (notice Nov. 13, 1952).
- 2,475,322, Horton & Bryane, Coupling device for flexible conduits, filed Nov. 17, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14746-Y, *D. & H. Electric Co. v. M. Stephens Mfg., Inc.*
- 2,476,728, L. R. Heim, Method for freeing mechanical joints, filed Nov. 10, 1952, D. C. Conn. (New Haven), Doc. 4100, *The Heim Co. v. Actna Steel Products Corp.*
- 2,510,395, J. J. Goodrie, Water and air mining device, filed Nov. 14, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. C13047, *Wrightway Engineering Co. v. Melard Mfg. Corp.*
- 2,510,418, J. Roehrig, Vehicle spring suspension, filed Nov. 20, 1952, D. C., W. D. Pa. (Pittsburgh), Doc. 10985, *J. Roehrig v. Pittsburgh Auto Spring Co.*
- 2,515,981, M. E. Bourns, Adjustable resistor, filed Nov. 21, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14764-Y, *Bourns Laboratories v. Edcliff Instruments et al.*
- 2,519,449, H. J. Findley, Magnetic drive, filed Nov. 17, 1952, D. C., W. D. Mich. (Grand Rapids), Doc. 2151, *Eaton Mfg. Co. v. Lear, Inc.*
- 2,564,002, C. D. Gibson, Power driven material handling truck, filed Sept. 24, 1952, D. C. Mass. (Boston), Doc. 52/1084, *The Raymond Corp. v. Lewis-Shepard Products, Inc.*
- 2,572,797, M. J. Zimmer, Wall fixture, filed Nov. 7, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14712-BH, *Ekeo Products Co. v. Multi-Worl Products Co. et al.*
- 2,579,304, J. H. Crawford, Self-adjusting recirculating overflow, filed Nov. 12, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14726-BH, *Paddock Pool Maintenance Co. v. Moresta Swimming Pool Equipment Co. et al.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

- T. M. 334,168, St. George Textile Corp., Rayon and cotton piece goods, D. C., S. D. N. Y., Doc. 72/242, *St. George Textile Corp. v. Franklin Simon & Co., Inc.* Stipulation and order of discontinuance Nov. 18, 1952.
- T. M. 342,610, Texas Tanning & Mfg. Co., Belts for men, D. C., N. D. Ill. (Chicago), Doc. 52c769, *Texas Tan of Yankum v. H. Stevens*. Consent decree enjoining defendants Nov. 7, 1952.

Vol. 667 • No. 1

Tuesday, February 3, 1953

Price \$35.00 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$35.00 per annum, foreign mailing \$10.00 additional; single numbers, 75 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

The TRADE-MARK SUPPLEMENT to the OFFICIAL GAZETTE, issued weekly, subscription price, \$22.75 per annum; single copies, 45 cents each. DECISION LEAFLETS, subscription price, \$3.75 per year; single copies, 10 cents each.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

T. M. 344,582, Belgard-Sperry, Inc., Eye glasses, optical fittings, etc., D. C. S. D. N. Y. Dec. 15, 1952. *House of Representatives v. Belgard-Sperry, Inc. (Illinois) v. House of Representatives (N. Y.)*, et al. Consent judgment, defendants enjoined Dec. 2, 1952.

T. M. 342,364, A. J. Weill, Fabric gloves, D. C. S. D. N. Y. Dec. 10, 1952. *Interstate, Inc. v. Barco-Pearson Corp.* stipulation and order of dismissal Nov. 12, 1952.

T. M. 415,980, General Water Heater Corp., Water heaters, D. C. S. D. Calif. (Los Angeles), Dec. 1952-BE. *General Water Heater Corp. v. Pioneer Water Heater Corp.* Consent decree holding trade-mark valid and restraining defendants from further use of name "Supreme" (notice Nov. 19, 1952).

T. M. 300,298, The Lovable Braaiers Co., Braaiers, D. C. S. D. Calif. (Los Angeles), Dec. 14, 1952-T. *The Lovable Braaiers Co. v. Lykable Bra Corp. et al.* Judgment holding trade-mark valid and infringing, injunction suit dismissed as to A. P. Waldman (notice Nov. 7, 1952).

T. M. 306,635, A. H. Robins Co., Inc., An antiseptic-mastic preparation in tablet form, D. C. S. D. N. Y. Dec. 17, 1952. *A. H. Robins Co., Inc. v. Rosenthal Laboratories, Inc.*, et al. Consent judgment, defendants enjoined Oct. 11, 1952.

T. M. 322,170, Tabin-Picker & Co., Aprons, dresses and suits, filed Oct. 30, 1952, D. C. N. D. Ill. (Chicago), Dec. 1952-3A. *Tabin-Picker & Co. v. Japansa Dress Co., Inc.*

T. M. 319,327, Procter's Revolving Co., Revs., filed Nov. 15, 1952, D. C. N. D. Ill. (Chicago), Dec. 1952-4A. *Revs. Distributors, Inc. v. Best Revolving Corp. et al.*

T. M. 364,241, The Walcott Co., Store cleaner, filed Nov. 14, 1952, D. C. N. J. (Newark), Dec. 1952-32. *The Walcott Co. v. G. N. Coughlin Co.*

NOTICES

Change in Fees and Charges

Attention is called to the following changes in fees and charges published in the *Rules of Practice in Patent Cases*, effective January 1, 1953:

Item No. in Rule 21	Year	Description
4	\$1.00	For each claim (in filing releases) which is in excess of 20 as well as in excess of the number of claims in the original patent.
7	25.00	On an appeal for the first time from the Primary Examiner to the Board of Appeals.
9	1.00	For certification of copies of records, etc., in any case, in addition to the cost of copy certified.
11	.30	For photostat copies of records or printed material, per sheet.
12	.30	For photo prints of drawings, for each sheet of drawing.
14	1.00	For the certificate (in connection with certified copies of patents).
14	1.00	For the grant (in connection with certified copies of patents).
31	10.00	For certificate of correction of applicant's mistake.

T. B. MORROW,
Executive Officer.

Erratum

All references to Patent No. 2,626,461 to Kenneth E. Christopherson, assignor to George Gorton Machine Co., for Pantograph Mechanism, appearing in the *OFFICIAL GAZETTE* of January 27, 1953, should be deleted as the application was withdrawn from issue and the patent was not issued.

Trade-Mark Supplement

A supplement to the May 1952 edition of *Rules of Practice in Trade-Mark Cases* is now available. This edition incorporates amendments to the Rules effective January 1, 1953, and the revision of some supplementary material. Copies may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 5¢ each.

T. B. MORROW,
Executive Officer.

Adjudicated Patent

(D. C. Ohio) Clark Patent No. 2,456,159, for a molded rubber stair mat. Claim 1 held invalid. *Clark et al. v. Ace Rubber Products, Inc.*, et al., 105 F. Supp. 200; 20 USPQ 24.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,465,583, C. V. Gance and C. M. Gance, Prosthetic knee joint, decided Oct. 31, 1952, claim 9.

Pat. 2,471,104, E. J. Gehr, Production of unsaturated hydrocarbons and hydrogen, decided Oct. 17, 1952, claims 2 and 4.

Pat. 2,484,349, J. P. Blewett, Electron injection apparatus, decided Dec. 24, 1952, claim 1.

Pat. 2,571,394, W. L. Trafton, Mounting for fastening member and the like, decided Dec. 31, 1952, claim 1.

Pat. 2,584,240, J. E. Stewart, Lateral loading and unloading attachment for forked lift trucks, decided Dec. 24, 1952, claim 1.

Disclaimers

2,536,062.—Saul Allen Kane, Washington, D. C. SYSTEM OF BLADE COOLING AND POWER SUPPLY FOR GAS TURBINES. Patent dated Jan. 2, 1951. Disclaimer filed Dec. 24, 1952, by the inventor.

Hereby enters this disclaimer to claims 6, 7, and 8 of said patent.

2,578,256.—Edward F. MacNichol, Jr., Hamilton, Mass. COINCIDENCE-INTEGRATING CIRCUIT. Patent dated Dec. 11, 1951. Disclaimer filed Dec. 23, 1952, by the inventor; the assignee, United States of America, as represented by the Secretary of the Navy, adopting and approving.

Hereby enters this disclaimer to claims 5 and 6 of said patent.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Cross-References in Cases Relating to Same Subject

When an applicant files an application claiming an invention disclosed in a prior filed application of the same applicant, the second application must contain a reference to the prior application, identifying it by serial number and filing date and indicating the relationship of the applications. When an applicant files, or a common assignee owns, two or more applications relating to the same subject matter of invention, with one or more of the applications disclosing unclaimed matter that is disclosed and claimed in another of the applications, the applications not claiming it must refer to and identify the application claiming it. Cross-references to other related applications may be made when appropriate.

Notice Regarding Payment of Fees

RULE 22. Fees and charges payable to the Patent Office are required to be paid in advance, that is, at the time of making application for any action by the Office for which a fee or charge is payable.

RULE 23. All payments of money required for Patent Office fees should be made in United States specie, Treasury notes, national bank notes, post office money orders or postal notes payable in Washington, D. C., or by certified checks. If sent in any other form, the Office may delay or cancel the credit until collection is made. Money orders and checks must be made payable to the Commissioner of Patents. Remittances from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required. Money sent by mail to the Patent Office will be at the risk of the sender; letters containing money should be registered.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,599,126. Helical Linear Reactance. Patented June 3, 1952. Reactance for use in an oscillatory circuit for obtaining a wide range of frequencies. In one form of the invention, a pair of spaced parallel helical conductors extend around a cylinder of non-conducting material to provide a spirally arranged track. The conductors are connected together at one end of the cylinder, and to terminals at the opposite end of the cylinder. A contact wheel freely rotatable on a rod and in contact with both conductors provides a travelling bridge for connecting the conductors at varying distances from the terminals. The rod extends along the cylinder in spaced relation thereto and is carried by an arm secured to a shaft journaled in one end of the cylinder. In a modification, multiple tracks and multiple contact wheels are employed. (Owner) Roland D. Reed, Box 14, Harbourside, N. J. Group 36—19. Reg. No. 50,318.

Pat. 2,473,905. Automatic Control System. Patented June 21, 1949. Automatically acting electrically operated system for controlling temperature, pressure, and other quantities, is particularly useful for temperature control of furnaces. The system responds to any fluctuation in the value of a quantity being controlled from predetermined magnitude to produce a potential difference which is utilized to effect re-adjustment to the desired value. The potential difference, amplified if necessary, is used to actuate a pair of thyristors, the response of which actuates means for restoring the quantity being controlled to predetermined value. In the control of pressure, use may be made of a device including a quartz plate adapted to be flexed by changes in pressure to produce a potential difference whereby very small fluctuations in pressure can be corrected. (Owner) Ronald Reid, 45 Cutnook Lane, Higher Irlam, Manchester, England. Groups 33—65; 36—19. Reg. No. 50,319.

Swift & Company has placed the following six patents on the Register as available for licensing on reasonable terms. In addition to several hundred patents previously registered. Inquiries concerning licenses may be directed to: Swift & Company, Union Stock Yards, Chicago 9, Ill.

Pat. 2,575,939. Refrigerator Truck Safety Device. Patented Nov. 20, 1951. A safety device for refrigerated vehicles to be mounted in the ignition system so that, when outside refrigerant lines are hooked up to valves in a switch box on exterior of vehicle, the motor cannot be started. A mercury two-electrode switch on the hinged side of switch box is connected through one electrical conductor to one of the conventional leads from the ignition switch and through a second electrical conductor to the place where the lead from the ignition switch was formerly connected into the ignition circuit. When the box is closed, the mercury covers the electrodes and the circuit is complete; when box is open, the circuit is broken and the motor cannot be started. Group 35—84. Reg. No. 50,320.

Pat. 2,581,081. Glue Drying Process. Patented Jan. 1, 1952. Process for drying glue or gelatin under year-around atmospheric conditions without air conditioning. The extracted liquor may be advanced in the form of a thin continuous layer on the upper run of a heated rotating drum within a vacuum chamber. The thickness of the layer, the temperature and speed of the drum, and the degree of vacuum are adjustably controlled to concentrate the liquor to a percentage weight concentration of its solids within the range of about 35 to 70% and a maximum temperature of 165° F. The concentrated liquor is removed and congealed in a well known manner to the gel state and then dried with natural atmospheric air. Group 28—94. Reg. No. 50,321.

Pat. 2,589,330. Anticaking Agent for Cleansing Powder. Patented Mar. 18, 1952. A powdered detergent, comprising trisodium phosphate, silica, and an anticaking agent selected from the group consisting of metallic magnesium and compounds thereof. Examples are given in the patent. Group 28—93. Reg. No. 50,322.

Pat. 2,593,259. Acid Cleaner and Detergent. Patented Apr. 15, 1952. An acidic reacting composition for removing films of coagulated protein from the surface of dairy equipment while causing minimum corrosion of the equipment. Includes phosphoric acid, an alkali metal acid sulfate, and an organic acid stronger than acetic acid and weaker than a mineral acid. The ingredients are proportioned with water to form a solution having a pH below 1.8 for dissolving a film of coagulated milk protein. Group 28—93. Reg. No. 50,323.

Pat. 2,596,065. Propane Decolorizing. Patented May 6, 1952. Low grade fats and fatty acids or other feed stock having a low bottoms potential may be satisfactorily decolorized by adding a small amount of ebony fat to such fatty materials prior to treatment with a liquefied, normally gaseous hydrocarbon at elevated temperatures and pressures in a counter-current decolorizing operation. The ebony fat is preferably derived from previous decolorizations of the same or similar feed stocks. Group 28—89. Reg. No. 50,324.

Pat. 2,600,765. Method of Preparing a Comminuted Meat Product. Patented June 17, 1952. Method of making a comminuted meat product having uniformly distributed particles of pickle relish therein which will not develop a "short" condition upon standing. The relish is washed to remove a portion of the vinegar, then partially dehydrated to between 25 and 50% of its original weight. The partially dehydrated relish is then mixed with comminuted meat to uniformly distribute the particles therein. Group 20—13. Reg. No. 50,325.

Pat. 2,598,780. Pie Holder. Patented June 3, 1952. A device for protecting the exposed cut edges of a pie, cake, or the like, after a wedge-shaped portion has been removed therefrom. A pair of hinged connected elongated plates are proportioned and arranged to extend radially along the exposed edges of the cut pie with the hinge at the apex of the wedge-shaped opening. Outer end of each plate slopes upwardly at an angle and has an abutment to engage edge of pie dish. The plates extend outwardly of dish and form finger grips. May be made of metal, plastic, or wood. (Owner) James A. Harrell, 2134 N. W. Flanders St., Portland 10, Ore. Groups 25—99; 33—73; 34—41; 39—81; 40. Reg. No. 50,326.

Pat. 2,599,630. Disposable Feeding Bottle for Babies. Patented June 10, 1952. Disposable feeding bottle for babies includes a replaceable container to be thrown away after each feeding and a rigid rim and cap of plastic or the like. Container, which may be made of waterproof paper or cardboard, is of the wide-mouth type, slightly larger at the top, with an annular downturned flange. Upper edge of rim is rounded so that the flange can be pushed thereover. A rubber nipple engages the flange, and the can is screwed on the rim. A downwardly extending annular lip of the cap seats in an annular groove in body of nipple and makes a water-tight joint. The containers are so shaped that they may be stacked one within another. (Owner) Emma Hair, 825 Hamilton Court, Savannah, Ga. Groups 26—69; 39—81; 40. Reg. No. 50,327.

Pat. 2,602,945. Rotary Egg Cleaner and Polisher Brush. Patented July 15, 1952. Electrical appliance of the rotary vertical-axis type has a resiliently supported rotary brushing holder for cleaning and polishing an egg. The holder, which forms an egg receptacle, includes a rotary detachable stem having a slide bearing in a head on a tubular vertical shaft rigidly coupled to the vertical motor shaft. The stem is threaded to a coupling sleeve slidably aligned within the tubular shaft. A cup on the head of the tubular shaft is concentric with and surrounds the brushing holder. An egg is manually depressed in the holder and held in contact with the rotating brush to clean and polish its lower half. The egg is then inverted and depressed to clean and polish its other half. (Owner) Alton H. Wilde, Hannibal, N. Y. Group 36—21. Reg. No. 50,328.

TRADE-MARKS OFFICIAL GAZETTE, FEBRUARY 3, 1953

[Vol. 667. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1945 follow the 1905 publications.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 523,490. Telautograph Corporation, New York, N. Y. Filed June 3, 1947. Under 10-year proviso.

Notebooks, Blotters, Carpenters' Pencils, Desk Calendars, Stencils, Mechanical Pencils, Contractors' Time Books, Bridge Score Pads, and Telephone Number Reminders. Claims use since September 1908.

Ser. No. 520,739. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.

Telautograph

MULE-HIDE

For Electrically Operated Equipment Comprising Apparatus and Component Parts of Apparatus for Transmitting and Receiving Graphic Matter Where Each Apparatus Includes a Stylus at a Transmitting Station Which Is Moved by an Operator Along the Surface of a Platen and a Writing Pen at a Receiving Station Which Is Moved by Electrical Means Along Paths Which Correspond Exactly to the Paths Along Which the Operator Moves the Stylus at the Transmitting Station.

Claims use since on or about Mar. 20, 1893.

CLASS 37

PAPER AND STATIONERY

Ser. No. 520,738. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.

For Celery Bleaching Paper, Letterheads, Billheads, Correspondence Envelopes, Gummed Stickers, Crayons, Notebooks, Blotters, Carpenters' Pencils, Desk Calendars, Stencils, Mechanical Pencils, Contractors' Time Books, Bridge Score Pads, and Telephone Number Reminders. Claims use since September 1908.

CLASS 39

CLOTHING

Ser. No. 525,042. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947.



CAMELLIA

For Celery Bleaching Paper, Letterheads, Billheads, Correspondence Envelopes, Gummed Stickers, Crayons, 667 O. G.—2

For Women's Hats and Hat Bodies. Claims use since Aug. 19, 1942.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 605,685. A. K. Salz Company, San Francisco and Santa Cruz, Calif. Filed Oct. 31, 1950.



Applicant disclaims exclusive rights to the word "Salz" except when used as a part of the mark as shown. Applicant claims ownership of Registration No. 541,030. For Hides and Leather. Claims use since Sept. 22, 1950.

Ser. No. 629,015. General Glaze Corporation, Baltimore, Md. Filed May 1, 1952.

PYROCON

For Molding Clay. Claims use since Apr. 10, 1952.

Ser. No. 630,287. Walter Skeoch, doing business under the firm name and style of Southern California Minerals Company, Los Angeles, Calif. Filed May 26, 1952.



For Clay. Claims use since 1935.

Ser. No. 632,793. Mutation Mink Breeders Association, Elkhorn, Wis. Filed July 19, 1952.

Lutetia

For Mink Pelts. Claims use since June 12, 1952.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 621,825. Heyden Chemical Corporation, New York, N. Y. Filed Nov. 29, 1951.

POLYPENTEK

Applicant claims ownership of Registrations Nos. 391,289, 391,290, and others. For Mixtures of Polyhydric Alcohols Primarily Containing Polypentaerythritol. Claims use since July 19, 1946.

Ser. No. 622,533. Gardiner Manufacturing Company, Inc., Buffalo, N. Y. Filed Dec. 15, 1951.

101

Applicant claims ownership of Registrations Nos. 163,782 and 285,247. For Sodium Hypochlorite Solution Having Deodorizing, Disinfecting, Germicidal, and Antiseptic Properties for General Household and Industrial Uses. Claims use since Apr. 1, 1920.

Ser. No. 633,359. W. R. Orace & Co., Wheeling, W. Va., and San Francisco, Calif. Filed Aug. 1, 1952.

GRA-CHEM

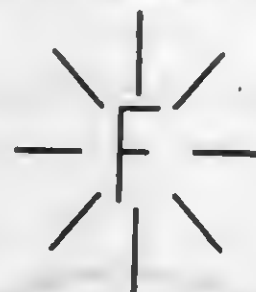
For Chemical Weed Killers and Insecticides. Claims use since Mar. 11, 1952.

Ser. No. 633,736. Bestners Sales Co., Detroit, Mich. Filed Aug. 11, 1952.

CLEARFROST

For Antifreeze Preparation for Use in the Radiator of an Automotive Vehicle. Claims use since Oct. 23, 1951.

Ser. No. 634,036. Fansteel Metallurgical Corporation, North Chicago, Ill. Filed Aug. 16, 1952.



For Tantalum Oxide, Tantalum Carbide, Sodium Tungstate, Tungstic Acid, Tungsten Carbide, Tungsten Titanium Carbide, Potassium Tantalum Fluoride, Columbium Oxide, Columbium Carbide, Columbium Oxynitride, and Potassium Columbate. Claims use since on or about June 5, 1952.

Ser. No. 634,065. Wonder Wash Corporation, Rye, N. Y. Filed Aug. 16, 1952.

W.O.C.

The lining of the mark shown on the drawing represents shading. For Deodorizing Water Soluble Oxidizing Agent, in Powdered Form. Claims use since May 22, 1952.

FEBRUARY 3, 1953

U. S. PATENT OFFICE

11

Ser. No. 634,494. Spring Hill Fuel Co., Inc., doing business under the assumed name of Basic Chemical Wood Treating Co., Seattle, Wash. Filed Aug. 26, 1952.

BASETOX

For Chemical Wood Preservative. Claims use since Apr. 15, 1952.

Ser. No. 634,696. Mathieson Chemical Corporation, Baltimore, Md. Filed Aug. 30, 1952.



Applicant claims ownership of Registrations Nos. 555,423 and 558,843. For Ammonium Sulfate, Benzene Hexachloride, Calcium Hypochlorite, Dihydrasine Sulphate, Hydrazine, Methanol, Nitric Acid, Soda Ash, Caustic Soda, Sodium Bicarbonate, Sodium Chlorite, Sodium Methylate, Sodium Nitrate, Sulphur, and Sulphuric Acid. Claims use since May 29, 1952.

Ser. No. 636,858. Minnesota Mining and Manufacturing Company, St. Paul, Minn. Filed Oct. 18, 1952.

SCOTCHCAST

For Thermosetting Resin Used, for Example, in Encapsulating Electrical Components. Claims use since at least as early as Aug. 14, 1952.

Ser. No. 636,859. Minnesota Mining and Manufacturing Company, St. Paul, Minn. Filed Oct. 18, 1952.

SCOTCHCAST

For Chemical Compound for Activating Thermosetting Properties of Thermosetting Resins. Claims use since at least as early as Aug. 14, 1952.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 576,552. Persolite Products, Inc., Chicago, Ill. Filed Apr. 2, 1949.

PERSOLITE

For Plaster and Concrete Aggregate. Claims use since Sept. 29, 1947.

Ser. No. 589,884. Architectural & Engineering Enterprises, Inc., doing business as The Red-I-Form Company, Bartlesville, Okla. Filed Dec. 24, 1949.

RED-I-FORM

The word "Form" is disclaimed apart from the mark shown in the drawing. For Metal Forms for Concrete Which Become a Unitary Part of Concrete Wall Sections. Claims use since Aug. 2, 1949.

Ser. No. 605,587. International Plywoods Limited, Montreal, Quebec, Canada. Filed Oct. 30, 1950.

IP.

For Plywood. Claims use since Sept. 23, 1940; and since Nov. 11, 1946, in commerce among the several States.

Ser. No. 607,835. R. D. Werner Co., Inc., New York, N. Y. Filed Dec. 18, 1950.



The word "Chromtrim" and the representation of the goods are disclaimed apart from the mark shown on the drawing. Applicant claims ownership of Registrations Nos. 412,866 and 437,062. For Non-Ferrous Metal Mouldings and Extruded Metal Laminated, Coated, or Plated With Plastic or Other Material, in the Forms of Angles, Channels, Cap Sections, Panel Dividers for Use as Decorative Finishes and Trims in Commercial, Industrial, and Architectural Designs. Claims use since Jan. 2, 1950.

Ser. No. 611,355. General Refractories Company, Philadelphia, Pa. Filed Mar. 15, 1951. (Sec. 2f.)

STEELKLAD

For Refractory Brick. Claims use since November 1940.

Ser. No. 623,849. Persolite Products, Inc., Denver, Colo. Filed Jan. 21, 1952.

PERSOLITE

For Construction Materials—Namely, Plaster Aggregates and Concrete Aggregates. Claims use since Aug. 7, 1947.

Ser. No. 625,070. Jelstone Products Limited, London, England. Filed Feb. 16, 1952.

JELSTONE

Priority under Sec. 44(d). British Registration No. 703,586, filed Dec. 21, 1951. For Filling and Surfacing Compound of a Plasterous Nature for Filling and Surfacing Cracked and Damaged Plaster, Wood, Brick, Board, and Similar Building Materials.

Ser. No. 925,493. Rohr Aircraft Corporation, Chula Vista, Calif. Filed Feb. 23, 1952.

chan O Seal

"Seal" is disclaimed apart from the mark shown. For Plastic Sealant Compound for Insertion in Joints Between Structural Members for Sealing Same. Claims use since Aug. 13, 1951.

Ser. No. 626,114. Plastic Engineering, Inc., Cleveland, Ohio. Filed Mar. 7, 1952.



Applicant hereby disclaims the use of the words "Bevel-Rite" and "The Third Dimensional Tile" apart from the mark as shown.

For Plastic Tile.
Claims use since Feb. 8, 1952.

Ser. No. 626,115. Plastic Engineering, Inc., Cleveland, Ohio. Filed Mar. 7, 1952.

DECO-BLOK

Texture Tile

Applicant disclaims the use of the words "Texture Tile" and "Blok" apart from the mark as shown.

For Plastic Tile.
Claims use since Nov. 14, 1951.

Ser. No. 627,705. Russell Reinforced Plastics Corporation, Hicksville, N. Y. Filed Apr. 7, 1952.

REINFLASTICS

For Conglomerates of Synthetic Resins and Artificial Fibers or Fabrics—Namely, Laminates in the Form of Partitions, Panels, Blocks, Sheets, Finished Structural and Ornamental Shapes Formed of Solid Synthetic Resin Sheets Combined With Cellular Synthetic Resin Sheets or With Artificial Fabrics or Fibers—Namely, Fiber Glass, Nylon, Dacron, and Orlon.

Claims use since Jan. 10, 1952.

Ser. No. 629,328. Stahl Industries, Inc., Youngstown, Ohio. Filed May 7, 1952.

STAYLITE

For Permanent Type Awnings Made of Reinforced Fiber Glass Laminate.

Claims use since Apr. 1, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 608,875. A. Y. McDonald Manufacturing Co., Dubuque, Iowa. Filed Jan. 17, 1951. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 327,978 and 327,980.

For Check Valves, Relief Valves, Air Pressure Controlled Valves for Deep and Shallow Well Pumps, Throttle Valves, Water Faucets, Gate Valves, Globe Valves, Well Caps and Seals for Closing Well Casings, Pump Spouts, Pipe Strainers, Water Hydrants, Water Conductors—Namely, Castings Threaded for Pipe Attachment With a Ball for Supporting a Conductor From a Pump Spout, Float Valves, Frost Hole Valves, Bath Fixtures—Namely, Valve Handles, Valve Stems, Over-Rim Spouts, and Drains, Shower Fixtures—Namely, Shower Heads, Shower Arms, Diverter Valves, Shower Valves, Escutcheons for Valve Stems, Spouts, and Shower Rims, Bath Tub Drains, Bath Tub Faucets, Lavatory Fixtures—Namely, Supply Pipes, Drain Pipes, Traps, and Water Closet Filling Units, Lavatory Faucets, Lavatory Supply Pipes, Kitchen Sink Faucets, Compression Faucets, Laundry and Lawn Faucets, Valve Handles and Spouts, Pipe Couplings, Steam Valves, Gas Valves, Oil Faucets, Radiator Fill Faucets, Cast Iron Traps, Drum Traps, Grease Traps, Floor Drains, Sink Brackets, Service Hoses for Setting in Lawns, Gardens, Golf Courses Connected With Underground Pipes at Surface Level for Inset Connection, Trap Covers, Pipe Swing Joints, Hose Spouts, Oil Nozzles, Dust Caps for Hose Couplings, Hose Couplings, Filling Caps for Storage and Transit, Oil and Gasoline Tanks, Vacuum Breakers for Oil Lines, Tank and Tank Car Safety Covers Adapted To Automatically Release Under Pressure, Valve Vent Attachments for Storage and Transit Tanks for Relieving Pressure Therein, Unloading Apparatus for Tank Cars—Namely, Valve in the Bottom of the Tanks, a Pull Apparatus and Operating Handle Therefor, Oil and Gasoline Line Strainers, Pump Valve Manifold Connections, Emergency Storage Tank Valves, Storage Tank Drain Valves, Plug Valves, Self Closing Loading Line Valves, Emergency Valves for Transit Tanks, Foot Valves for Transit Trucks, Water Hydrants, and Flush Fill Pipe Boxes for Covering Fill Pipes.

Claims use since 1908.

Ser. No. 622,495. Grant Pulley & Hardware Co., Flushing, N. Y. Filed Dec. 14, 1951. (Sec. 2f.)



For Mounting Hardware for Door and Windows—Namely, Snap-on Hangers, Residence Type Hangers, Inverted Hangers, Sheaves and Tracks for Sliding Doors, Traverse Tracks, Beam Tracks, Sash Pulleys, Overhead Pulleys, Pulleys for Triple Windows, Wall and Ceiling Brackets, Extension Links, Center Cord Supports, Sockets, Pulleys, End Stops, Splicers for Wall and Ceiling Brackets, Curtain Pulls and Toggle Bolt Plates; Cabinet Hardware—Namely, Snap-on Hangers, Sheaves and Tracks, Drawer Slides,

Under-Carriage Drawer Slides, Anti-Friction Drawer Slides, Ball-Bearing Drawer Slides, Electrical Apparatus Chassis Slides, Roller Tracks Sliding Carriers, Roller Carriers and Record Player Chassis Slides; Outdoor Clothes Line Hardware—Namely, Line Spreaders and Pulley.

Claims use since 1895, as to the mark "Grant"; and since in 1942, as to the mark shown.

Ser. No. 629,883. Rosemary V. Blazek, doing business as The Aero Feeder Company, Minneapolis, Minn. Filed May 19, 1952.

AERO-FEEDER

The word "Feeder" is disclaimed except as in combination with the remaining part of the trade-mark.

For Sub-Soil Feeding Tube Comprising a Water Soluble Plant Food Cartridge Chamber Holding a Supply of Water and Fertilizer for Supplying Water and Fertilizer to the Roots of Plants and the Like.

Claims use since May 1, 1952.

Ser. No. 631,388. The Stan-Gard Pigeon & Bird Repellent Co., Inc., New York, N. Y. Filed May 10, 1952. (Sec. 2f.)

"STAN-GARD"

For Metal Strips Attached to Buildings To Prevent Birds From Roosting and Defacing Property.
Claims use since May 1, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 627,311. Ashland Oil & Refining Company, Ashland, Ky. Filed Mar. 31, 1952.



Applicant claims ownership of Registrations Nos. 543,584, 431,784, and others.

For Gasoline.
Claims use since Feb. 18, 1952.

Ser. No. 627,497. Citica Service Oil Company, Bartlesville, Okla. Filed Apr. 3, 1952.

DELCO

Applicant claims ownership of Registrations Nos. 163,786, 218,814, and others.

For Petroleum Oil Compositions Useful as Mold Lubricants and Form Oils—Namely, Liquid Partings.
Claims use since at least as early as 1920.

Ser. No. 628,020. Will & Raumer Candle Co., Inc., Syracuse, N. Y. Filed Apr. 12, 1952.

ONYX

For Wax Candles.
Claims use since Mar. 31, 1920.

Ser. No. 628,307. Time Oil Co., Seattle, Wash., and Los Angeles, Calif. Filed Apr. 18, 1952.

TIME

Applicant claims ownership of Registrations Nos. 431,070, 431,358, and 325,121.

For Gasoline.
Claims use since Aug. 1, 1940.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 610,865. American-Marletta Company, Chicago, Ill. Filed Oct. 11, 1951.



For Ready-Mixed Paints and Enamels for Interior and Exterior Uses.
Claims use since March 1944.

Ser. No. 620,771. Chemlon, Inc., New York, N. Y. Filed Nov. 1, 1951.

Plastophane

For Liquid Waterproof Coating Composition for Masonry Surfaces.
Claims use since August 1948.

Ser. No. 625,339. Chrome-Tec Distributing Company, Ferndale, Mich. Filed Feb. 21, 1952.

CHROME-TEC

The word "Chrome" is disclaimed apart from the mark as shown on the drawing.

For Protective Liquid Coating Used Primarily on the Nickel and Chrome Parts of Automobiles To Inhibit Rust and Corrosion.

Claims use since Feb. 1, 1951.

Ser. No. 626,270. The Sherwin-Williams Company, Cleveland, Ohio. Filed Mar. 11, 1952.



The drawing is filed for red but color is not claimed as a feature of the mark. No claim is made to "Super" or "Tone" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 275,775, 284,170, and others.

For Paints.
Claims use since Apr. 3, 1950.

Ser. No. 828,597. American-Marietta Company, Chicago, Ill. Filed Mar. 18, 1952.

Rev SATIN

The word "Satin" is disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 418,995.

For Ready Mixed Paint for Interior Use.
Claims use since Jan. 1, 1952.

Ser. No. 627,079. Parker Rust Proof Company, Detroit, Mich. Filed Mar. 26, 1952.

PARCO PRIME

The word "Prime" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 230,654 and 427,481.

For Metal Surface Primer and Rust Preventive Conditioner Coating.

Claims use since Jan. 3, 1952.

Ser. No. 627,710. Standard Dyewood Company, Medford, Mass. Filed Apr. 7, 1952.

"MXDB"

For Shellac Synthetic Resin Coating Preparation for Finishing Leather.

Claims use since Dec. 31, 1951.

Ser. No. 628,945. Irvington Varnish & Insulator Company, Irvington, N. J. Filed Apr. 30, 1952.

IVI-MASK

The term "Mask" is disclaimed apart from the mark as shown.

For Strippable Masking Compositions.

Claims use since Mar. 7, 1952.

Ser. No. 629,243. Heberlize, Inc., Sacramento, Calif. Filed May 6, 1952.



puts **NEW**
back in fabrics

Applicant disclaims exclusive rights to the word "Spray" and to the expression "Puts New Back in Fabrics" except when used as a part of the mark as shown.

For Paint for Renovating Automobile Upholstery and Tops.

Claims use since Apr. 2, 1951.

Ser. No. 631,366. Benjamin Moore & Co., New York, N. Y. Filed June 18, 1952.

TRIP-L-BODY

For Ready Mixed Paints.
Claims use since Sept. 7, 1907.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 606,541. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

CONDIVEX

For Veterinary Preparation Having Tonic Stomachic, Hematinic, and Digestant Actions.

Claims use since Aug. 9, 1939.

Ser. No. 606,549. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950. (Sec. 2f.)



The drawing is lined for color red but no claim to color is made.

For Medicated Powders, Medicinal Spirits, Powdered Extracts, Injectable Solutions, Effervescent Salts, Fluid-extracts, Pills, Compressed Tablets, Hypodermic Tablets, Dispensary Tablets, Capsules, Medicated Solutions, Medicated Suspensions, Syrups, Tinctures, Elixirs, Liniments, Medicated Emulsions, Ointments, and Suppositories, All Used for Medical Purposes.

Claims use since Jan. 1, 1939.

Ser. No. 614,704. Makers of Kal, Inc., Los Angeles, Calif. Filed June 4, 1951.

Nutra-cel

For Laxative Preparation.
Claims use since May 5, 1951.

Ser. No. 615,498. Paul V. McCoy, doing business under the name and style McCoy Drug Co., Santa Ana, Calif. Filed June 21, 1951.

McCoy's NORM-TABS

No claim is made to the surnames "McCoy's" and to the word "Tabs," apart from the mark as shown.

For Preparation for the Relief of Constipation.

Claims use since Nov. 3, 1950.

Ser. No. 617,372. Rosemarie Lewis, doing business as Vogarell Products Company, Los Angeles, Calif. Filed Aug. 6, 1951.

Lanacane

For Medicinal Ointments and Medicinal Preparations for the Care of the Skin, Particularly for the Treatment of Acne, Pimples, Eczema, Sores, Bolls, Burns, Rash, Poison Ivy, Rectal Disorders, Vaginal Infections, Athlete's Foot, Psoriasis, Scalp Disorders, Diaper Rash, and as a Skin Softener for Adults and Infants.

Claims use since Sept. 6, 1949.

Ser. No. 617,315. Societe Biopharma, Paris, France.
* Filed Aug. 9, 1951.

Kalefluid

For Preparations in Liquid Form for Use in Orchidotherapy.

Claims use since in November 1925; and use in commerce between France and the United States since in 1938.

Ser. No. 620,043. Gordon R. Kempton, doing business under the assumed name of No-Rue Company, Portland, Oreg. Filed Oct. 16, 1951.

NO-RUE

The mark is lined for the color red.

For Preparation for Stomach Distress in Cases of Indigestion or Excess Stomach Acidity.

Claims use since Sept. 29, 1951.

Ser. No. 621,191. Xenotek, Inc., Van Nuys, Calif. Filed Nov. 13, 1951.

TEK-TROL

For Preparation Useful in Overcoming Bulk Hunger in Reducing.

Claims use since May 16, 1951.

Ser. No. 625,776. The Wander Company, Chicago, Ill. Filed Feb. 29, 1952.

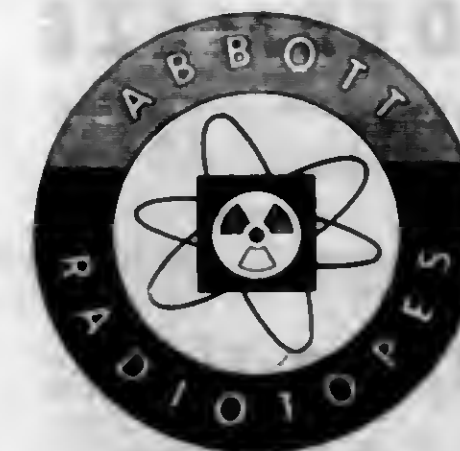
CALVATINE-C

The hyphen and the letter "C" appearing after the word "Calvatine" in the mark are disclaimed. Applicant claims ownership of Registration No. 423,086.

For Vitamin Preparation.

Claims use since Feb. 13, 1952, as to the mark shown; and since April 1944 as to the mark "Cal-vatine."

Ser. No. 626,015. Abbott Laboratories, North Chicago, Ill. Filed Mar. 6, 1952. (Sec. 2f as to "Abbott.")



Applicant disclaims the elliptical arcs and the segmented circle in the square when used apart from the mark. The drawing is lined for blue. Applicant claims ownership of Registrations Nos. 53,331, 127,803, and others.

For Various Radioactive Pharmaceuticals for Diagnostic and Therapeutic Use.

Claims use since Jan. 8, 1952, on the mark as shown; and since Jan. 1, 1894, as to "Abbott."

Ser. No. 626,358. Abbott Laboratories, North Chicago, Ill. Filed Mar. 13, 1952.

Nembu-donna

Applicant claims ownership of Registration No. 426,351. For Hypnotic, Sedative, Analgesic, and Antispasmodic Compound.

Claims use since Mar. 3, 1952.

Ser. No. 626,972. Winthrop-Stearns Inc., New York, N. Y. Filed Mar. 24, 1952.

OpH

For Preparation for the Relief of Eye Irritations.
Claims use since Feb. 28, 1952.

Ser. No. 629,282. Burton-Edward Company, Oklahoma City, Okla. Filed May 7, 1952.

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For Vitamin Preparation.
Claims use since Mar. 1, 1952.

Ser. No. 629,422. Calvital Company, Inc., Mount Vernon, N. Y. Filed May 9, 1952.

DENETON

For Antiseptic Baby Cream for the Treatment of Skin Irritations.

Claims use since Jan. 19, 1952.

Ser. No. 634,338. Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Filed Aug. 22, 1952.

DERMEZE

For Antihistaminic, Anaesthetic, Antibiotic Water Soluble Cream.
Claims use since September 1934.

Ser. No. 638,027. Winthrop-Stearns Inc., New York, N. Y. Filed Nov. 13, 1952.

THIOCYMETIN

For Broad Spectrum Antibiotic Agent for the Treatment of Infections Caused by Pneumococcus, Streptococcus, Staphylococcus, Hemophilus, Brucella, Salmonella, and Other Micro-Organisms.
Claims use since Oct. 20, 1952.

Ser. No. 608,231. Wyeth Incorporated, Philadelphia, Pa. Filed Dec. 29, 1950.

STREPTOMAGMA

For Streptomycin-Aluminum Gel-Pectin Combination for the Treatment of Diarrhea.
Claims use since Dec. 19, 1950.

CLASS 19 VEHICLES

Ser. No. 600,684. McCauley Corporation, Dayton, Ohio. Filed July 14, 1950.

KLIPTIP

For Propellers for Use on Airplanes.
Claims use since Aug. 18, 1949.

Ser. No. 613,800. Arnold, Schwinn & Co., Chicago, Ill. Filed May 12, 1951.

Traveler

For Bicycles.
Claims use since May 24, 1950.

Ser. No. 621,637. The Tolley Company, Gertrude A. Muller, Inc., Fort Wayne, Ind. Filed Nov. 24, 1951.

Ridin' Hi

For Child's Automobile Seat.
Claims use since Oct. 12, 1951.

Ser. No. 623,291. Unit Parts Company, Oklahoma City, Okla. Filed Jan. 7, 1952.

UNITBOND

For Brake Shoes.
Claims use since November 1951.

Ser. No. 626,486. General Motors Corporation, Detroit, Mich. Filed Mar. 17, 1952.

Le Sabre

For Automobiles and Parts Thereof.
Claims use since July 16, 1951.

Ser. No. 629,229. John H. Best & Sons, Inc., Galva, Ill. Filed May 6, 1952. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 552,809 and 542,169.
For Hand Trucks Particularly Adapted for the Transportation and Display of Linoleum and Similar Products.
Claims use since Apr. 16, 1947.

Ser. No. 630,947. Packard Motor Car Company, Detroit, Mich. Filed June 9, 1952.

Pan American

For Automotive Vehicles and Particularly Passenger Automobiles.
Claims use since on or about Mar. 30, 1952.

Ser. No. 631,062. Metallfab Corporation, Dallas, Tex. Filed June 11, 1952.



For Canopy Assembly Composed of a Canvas Cover and Metal Frame for Use on Pick-Up and Stake Body Trucks.
Claims use since May 7, 1952.

Ser. No. 631,527. Athey Products Corporation, Chicago, Ill. Filed June 21, 1952. (Sec. 2f.)

ATHEY

Applicant claims ownership of Registrations Nos. 240,535 and 438,462.

For Trailer-Type Vehicles Provided With One or More Pairs of Wheels or Track-Laying Wheel Units Which Suitably and Usually but Not Invariably Are Drawn by Tractors or Trucks—Namely, Two-Way Dump Trailers, Side Dump Trailers, Bottom Dump Trailers, Stake Platform Trailers, Trailers With Load Engaging Bunks, Tractor Wagons, Quarry Trailers, Sugar Cane Trailers, Low Bed Trailers, and Track-Laying Wheels Therefor.
Claims use since Feb. 6, 1952.

Ser. No. 631,809. Monark Silver King, Inc., Chicago, Ill. Filed June 26, 1952.



For Bicycles.
Claims use since June 12, 1952.

Ser. No. 632,972. Arnold, Schwinn & Co., Chicago, Ill. Filed July 24, 1952.

PIXIE

For Bicycles.
Claims use since June 10, 1952.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 548,921. BullDog Electric Products Co., Detroit, Mich. Filed Feb. 6, 1948.

Circuit Master

The word "Circuit" is disclaimed apart from the mark as shown on the drawing.
For Circuit Breakers.
Claims use since Jan. 1, 1939.

Ser. No. 605,468. Henry L. Crowley & Company, Inc., West Orange, N. J. Filed Oct. 27, 1950.

CROLOY

For Antennas, Filter Chokes and Interference Eliminators for Radio and Television, Electromagnetic Cores for Use in Transformers and Magnetic Shields in Deflection Yokes.
Claims use since July 20, 1950.

Ser. No. 614,589. The Richardson Company, Cincinnati, Ohio. Filed May 31, 1951.

CHEMROK

For Electroplating Apparatus and Parts Thereof.
Claims use since May 10, 1951.

Ser. No. 614,804. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed June 6, 1951.

MAGNAFLO

For Electromagnetic Vibrating Feeders and Electrical Power Units Comprising Transformers, Rectifiers, and Control Switches.
Claims use since Mar. 20, 1945.

Ser. No. 618,296. Interstate Engineering Corporation, El Segundo, Calif. Filed Aug. 31, 1951.



Applicant claims ownership of Registration No. 428,035.
For Electric Vacuum Cleaners and Attachments Therefor—Namely, Hose, Wands, Rug Tools, Floor Tools, Upholstery Nozzles, Dusting Brushes, Crevice Tools, De-Mothers, and Spray Guns, Sold as a Unit.
Claims use since Dec. 25, 1945.

Ser. No. 621,546. Diamond Power Specialty Corporation, Lancaster, Ohio, now by merger Diamond Power Specialty Corporation, a corporation of Ohio. Filed Nov. 23, 1951.

UTILICON

For Electronic Tubes for Television Apparatus.
Claims use since Sept. 23, 1951.

Ser. No. 621,995. American Relay & Controls, Inc., Chicago, Ill. Filed Dec. 3, 1951.

AMRECON

For Electrical Circuit Control Elements—Namely, Relays, Switches, and Solenoid Coils.
Claims use since Mar. 9, 1948.

Ser. No. 622,375. Avlon Automotive Parts, Inc., New York, N. Y. Filed Dec. 12, 1951.



No claim is made to the word "Products" apart from the mark shown on the drawing.
For Electric Fuses, Switches, and Spark Plugs.
Claims use since July 20, 1951.

Ser. No. 623,667. Mullins Manufacturing Corporation, Salem and Warren, Ohio. Filed Jan. 16, 1952.



For Electric Food Waste Disposer Units and Electric Dishwashers.
Claims use since July 28, 1949.

Ser. No. 624,804. Alan A. Allen, doing business as Milli-Switch Corp., Hollywood, Calif. Filed Feb. 12, 1952.

MILLI-SWITCH

The term "Switch" is hereby disclaimed apart from the trade-mark as shown.
For Electric Switches.
Claims use since Dec. 3, 1951.

Ser. No. 623,853. Robert Albert Johnson, doing business under the fictitious name and style of Alwalt Co., Modesto, Calif. Filed Mar. 3, 1952.

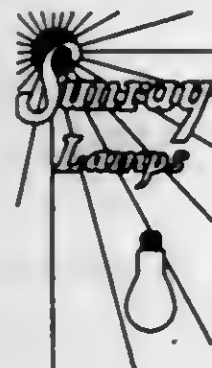


The mark consists of a ring encircling a symbol; the latter being the letters "AW" arranged in fanciful combination within said ring.

For Electrical Installation Products—Namely, Wiring Outter and Fittings; Hinge Cover Wireway and Fittings; Transformer Cabinets; Screw Cover-Boxes; Hinge Cover-Boxes; Weatherproof Boxes, and Utility Boxes.

Claims use since on or about Jan. 15, 1948.

Ser. No. 627,849. Sunray Electric, Inc., Warren, Pa. Filed Apr. 9, 1952.



Applicant disclaims the use of the word "Lamps" and the representation of the goods apart from the mark shown in the drawing. Applicant claims ownership of Registration No. 433,048.

For Incandescent Electric Lamps, Fluorescent Lamps, Fluorescent Signs, Electric Fuses, Fluorescent Starters, and Electric Dry Batteries.

Claims use since Sept. 1, 1928.

Ser. No. 628,403. Falmer Mfg. Company, Youngstown, Ohio. Filed Apr. 21, 1952.



No claim is made to the words "Falmer Mfg. Company," "Youngstown," and "Channel" and the representation of the goods apart from the mark as shown.

For Television Antennas.

Claims use since Feb. 15, 1951.

Ser. No. 628,759. Guardian Light Company, Inc., Oak Park, Ill. Filed Apr. 26, 1952.



No claim is made to the word "Light" apart from the mark shown on the drawing.

For Electric Lighting Fixtures.

Claims use since Dec. 18, 1951.

Ser. No. 629,579. McGraw Electric Company, Chicago, Ill. Filed May 12, 1952. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 396,251 and 563,290.

For Electrical Transformers.

Claims use since Apr. 1, 1941.

Ser. No. 629,993. The Duralux Company, Wooster, Ohio. Filed May 21, 1952.



Applicant claims ownership of Registration No. 543,218. For Electric Percolators, Teakettles, Teapots, Deep-Fat Fryers, Corn-Poppers, Vaporizers, and Roasters.

Claims use since May 29, 1947.

Ser. No. 630,341. New Jersey Wood Finishing Company, Woodbridge, N. J. Filed May 27, 1952.



Applicant claims ownership of Registrations Nos. 281,286, 399,821, and 528,374.

For Electrical Insulating Material—Namely, Fiberglass Coated With Silicone Resin and/or Silicone Rubber Sold in Sheet, Cloth, and Tape Form.

Claims use since on or about Sept. 15, 1951.

Ser. No. 631,457. The Associated Merchandising Corporation, New York, N. Y. Filed June 20, 1952.



For Electric Blankets.

Claims use since Apr. 30, 1952.

Ser. No. 632,860. Voltarc Tubes, Inc., Norwalk, Conn. Filed July 21, 1952.



For Neon Sign and Cold Cathode Lamp Electrodes. Claims use since Dec. 20, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 568,527. Newton Line Company Incorporated, Village of Homer, N. Y. Filed Nov. 10, 1948. (Sec. 2f.)

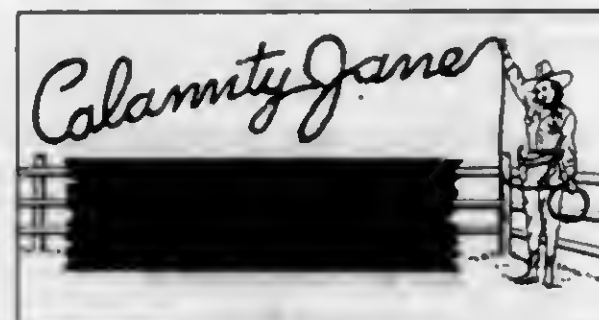


No claim is made for registration of the word "Trout" apart from the mark as shown. Applicant claims ownership of Registration No. 166,748.

For Fishing Lines.

Claims use since May 1910.

Ser. No. 617,849. Donald Barry Productions, Inc., Los Angeles, Calif. Filed Aug. 20, 1951.



The portrait of the woman is fanciful. "Calamity Jane" is the popular name of Martha Jane Canary Burke, 1832-1903.

For Toy Cap Pistols, Toy Holster Sets, Toy Spurs, and Games in the Nature of Board Games Played With Movable Pieces.

Claims use since July 5, 1951.

Ser. No. 621,929. Wen-Mac Corporation, Beverly Hills, Calif. Filed Nov. 30, 1951.



For Toy Airplanes, Parts, and Accessories. Claims use since Nov. 13, 1951.

Ser. No. 630,051. Aladdin Sales Company, Jersey City, N. J. Filed May 22, 1952.



The words "Bubbles 'n a Bubble" are disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 523,351 and 523,352.

For Bubble Blowing Devices.

Claims use since Apr. 26, 1952.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 380,934. Gewerkschaft Eisenhütte Westfalia, Wethmar near Lunen/Westf., Germany. Filed June 23, 1949.



For Mining Coal Planers, Mining Chutes, Coal Conveyors, Disk Retarding Conveyors, Coal Rake, Pull Loaders, Mining Rapid Loaders; Helical-Toothed Motors for Driving Coal Conveyors, Centrifugal Pumps, Winches, and Jacks; Tub Cleaning Machinery for Maintenance of Tube and Mine Cars; Trays for Mining Conveyors; Chain Flights for Mining Conveyors; Pulls and Cables for Mining Conveyors and Planers; Wedges for Mining Planing Machinery; Chains and Disks for Disk Retarding Conveyors; Chutes for Disk Retarding Conveyors; Loading Rakes and Shovels; Automatic Couplings for Coal Loaders; Shovel Vibrators for Coal Loaders; Driving Pulleys and Drum Winches for Mining Haulage Machinery; Gas-Driven Motors and Drives for Mining Machinery.

Claims use since Oct. 12, 1946; and first used in commerce between foreign nations and the United States on Feb. 16, 1948.

Ser. No. 585,582. Future Products Co., Portland, Oreg. Filed Sept. 30, 1949.



For Clutch Operated Shifting Mechanism for Automobiles. Claims use since May 31, 1949.

Ser. No. 588,124. Leo W. Bedker, doing business as Salvo Tool & Engineering Co., Roseville, Mich. Filed Nov. 21, 1949.



For Rolls for Forming Threads, Oil Grooves, or the Like, and Holders and Adaptors for Such Rolls, and Broach Turning Tools for Automatic Screw Machines. Claims use since Sept. 1, 1946.

Ser. No. 603,075. The Murray Company of Texas, Inc., Dallas, Tex. Filed Sept. 1, 1950. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 129,189 and 325,755.

For Cotton Gins, Cotton Feeders, Cotton Elevators, Cotton Distributors of the Conveyor Type, Cotton Cleaning

Machines, Cotton Hull Extractors, Cotton Boll Breakers, Cotton Seed Elevators, Cotton Pressing Machines, Cotton Trampers, Hydraulic Pumps, Cotton Lint Cleaning Machines, Condensers, Mechanical Cotton Driers, and Cotton House Unloading Equipment Consisting of Suction Fans, Piping, Connections, and Valves.

Claims use since on or about June 1, 1902.

Ser. No. 607,389. Hadston Machine Works, Callahan, Calif. Filed Dec. 12, 1950.

H & S

For Hand Operated Tools for Taking Up Wear in Chain-Saw Bars, Holding Claws for Use With Power Driven Saws.

Claims use since July 1947.

Ser. No. 610,207. Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Filed Feb. 17, 1951. (Sec. 2f.)



For Type Composing Machines.

Claims use since Jan. 20, 1951, as to the mark shown; and since Mar. 1, 1930, as to "Fairchild."

Ser. No. 615,655. Overseas Export Corporation, New York, N. Y. Filed June 25, 1951.



For Automotive Engine Parts—Namely, Pistons, Piston Pins, Engine Valves, Water Pumps, Automotive Transmission Gears and Differential Gears, Valve Guides, Valve Springs, Mufflers and Clamps, Tail Pipes, and Exhaust Pipes.

Claims use since Mar. 22, 1951.

Ser. No. 617,523. Advance Car Mover Company, Inc., Appleton, Wis. Filed Aug. 10, 1951.



NEVER SLIP

No claim is made to the words "Never Slip" apart from the mark shown. Applicant claims ownership of Registration No. 57,753.

For Railroad Car Moving Tool—Namely, a Pinch Bar With a Forward Pushing Toggle Which Enables the Moving of a Railroad Car.

Claims use since Sept. 15, 1903.

Ser. No. 619,447. Continental Copper & Steel Industries, Inc., Holyoke, Mass., and New York, N. Y. Filed Oct. 1, 1951. (Sec. 2f.)

ALL STEEL

The word "Steel" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 224,387.

For Plows—Namely, Snowplows, and Scrapers, Particularly Adapted for the Leveling of Ground and the Back Filling of Trenches.

Claims use since Nov. 22, 1924.

Ser. No. 621,277. A. Y. McDonald Manufacturing Co., Dubuque, Iowa. Filed Nov. 15, 1951.



Applicant claims ownership of Registrations Nos. 527,978 and 527,979.

For Galleys Pumps, Force Pumps, Shallow and Deep Well Reciprocating Pumps, Jet Pumps, Swedging Tools for Pipes, and Pipe Dogs.

Claims use since 1908.

Ser. No. 624,745. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed Feb. 9, 1952.

RO-KROP

The word "Krop" is disclaimed apart from the mark as shown in the drawing.

For Hand-Operated Compression Sprayers for Insecticides.

Claims use since Oct. 8, 1951.

Ser. No. 625,838. Whirlpool Corporation, St. Joseph, Mich. Filed Mar. 1, 1952.

Whirlpool

Applicant claims ownership of Registrations Nos. 521,605, 423,611, and others.

For Dish Washing Machines.

Claims use since Jan. 29, 1951.

Ser. No. 626,333. Markwell Manufacturing Co., Inc., New York, N. Y. Filed Mar. 12, 1952.

OBRO

For Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal Together, and Also for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal on to Wood.

Claims use since Sept. 24, 1951.

Ser. No. 627,319. Robert Caldwell, Lakin, Kans. Filed Mar. 31, 1952.



For Mechanical Livestock Oiler and Insecticide Applicator Mounted in an Upright Position and Automatically Operated by Stock Rubbing Against Operative Parts of Same.

Claims use since Feb. 18, 1952.

Ser. No. 628,448. The Warner Steel Products Company, Inc., Ottawa, Kans. Filed Apr. 21, 1952.



The word "Ottawa" is disclaimed apart from the mark as shown.

For Farm Machinery—Namely, Fertilizer Spreading Machines.

Claims use since Jan. 18, 1952.

Ser. No. 628,523. The De Laval Separator Company, Poughkeepsie, N. Y. Filed Apr. 23, 1952.



Applicant claims ownership of Registration No. 350,899. For Milking Machines, Teat Cups, and Parts Thereof. Claims use since on or about Mar. 5, 1947.

Ser. No. 628,874. Qualcast Limited, Derby, England. Filed Apr. 29, 1952.



Applicant claims ownership of Registration No. 307,175. For Lawn Mowers.

Claims use since Jan. 24, 1920; and since Jan. 24, 1920, in commerce between foreign nations and the United States.

Ser. No. 629,034. The Monomelt Co. Inc., Minneapolis, Minn. Filed May 1, 1952. (Sec. 2f.)

PLANE-O-PLATE

The word "Plane" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 387,433.

For Milling Machines for Use in Finishing Printing Plates.

Claims use since Feb. 10, 1937.

Ser. No. 629,420. Congoleum-Nairn Inc., Kearny, N. J. Filed May 9, 1952.

U-DO-IT

For Tool Kit Particularly Adapted for Installing Floor and Wall Coverings, and Comprising a Knife, Chalk, Chalk Line, Notched Steel Trowel, and Awl, Sold as a Unit.

Claims use since Feb. 12, 1952.

Ser. No. 630,303. Arkwright, Incorporated, New York, N. Y. Filed May 27, 1952. (Sec. 2f.)

ARKWRIGHT

For Cutlery—Namely, Knives, Forks, Sclaaors and Shears, Razor Blades, Lawn Mowers, Files, Carpet Sweepers, Saws, Screw Drivers, Wrenches, Rakes, Spray Guns, Meat Grinders, Egg Beaters, Axes, and Can Openers.

Claims use since May 15, 1925.

Ser. No. 632,207. Goerlich's, Toledo, Ohio. Filed July 7, 1952.

Cushion-Aire

For Mufflers for Use With Internal Combustion Engines and Extensions for Tail Pipes.

Claims use since Apr. 23, 1952.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 622,683. The American Laundry Machinery Company, Norwood, Ohio, and Milwaukee, Wis. Filed Dec. 19, 1951.

THERMOLOK

For Dry Cleaning Machines.

Claims use since Feb. 8, 1949.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 560,491. Manning, Maxwell & Moore, Incorporated, New York, N. Y. Filed June 30, 1948.



The words "Manning, Maxwell, Moore" and "Inc." are disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 139,576 and 550,373.

For Indicating and Recording Pressure and Vacuum Gauges; Liquid Level Gauges; Fluid Flow Gauges; Combination Regulator Switches and Pressure or Vacuum Gauges; Expanding Fluid-Type Temperature Regulators; Diaphragm-Type Fluid Pressure Regulators; Thermometers; and Switches, Relays, Limiters, Indicators, Gauges, Selectors, Detectors, Transmitters, Amplifiers, Converters, and Transformers Incorporating an Electro-Mechanical Balance and Sold as a Unit.

Claims use since August 1944.

Ser. No. 577,418. Keystone View Company, Meadville, Pa.
Filed Mar. 29, 1949.

**KEVUKO
PRODUCTS**

The words "Products" and "Trade Mark" are disclaimed apart from the trade-mark as shown.

For Apparatus and Devices for the Testing and Training of Visual Abilities, and Accessories—Namely, Stereoscopic Apparatus for Class and Home Training for Convergence and Accommodation, and for Fusion, Duction, and Chiroscopic Training; Lantern Slides, Films, Charts, and Stereographic Slides for Eye Testing and Training; Stereoscopic Apparatus for Correcting Visual Defects Relating to Strabismus, Hyperphoria, and Fusion; Enlarging Apparatus for Enlarging Slides, Charts, and Graphs; Telescopic Stereoscopes; Stereoscopic Apparatus for Ortho Training; Ophthalmic Telescopic Stereoscopes; Cases, Container, Filling Cabinets Specially Made for Containing Films and Slides Related to Eye Training and Eye Testing Methods and Devices; Stereoscopic Viewers; Screens for Exhibiting Slides, Charts, and Graphs; Apparatus for Training in the Speed of Reading Line for Line Across the Page; Vision Classifier Instrument Perimeters.

Claims use since Feb. 1, 1949.

Ser. No. 579,913. Bacharach Industrial Instrument Company, Pittsburgh, Pa. Filed June 3, 1949.



For Smoke Testers for Measuring the Quantity of Particles (Smoke Density) in Flue and Other Gases, Smoke Stack Thermometers, and Fuel Oil Graduates.

Claims use since Nov. 8, 1948.

Ser. No. 583,899. James L. Waters, Inc., Framingham, Mass. Filed Aug. 23, 1949.

LIRA

For Analyzers for the Quantitative Determination of Constituents in Gas Mixtures and Liquid Mixtures.

Claims use since Feb. 15, 1949.

Ser. No. 586,156. Flood Safety Products Company, Chicago, Ill. Filed Oct. 12, 1949.

1000-HOUR



The representation of the goods is disclaimed apart from the mark as shown.

For Plastic Cover Lens for Welding Helmets.

Claims use since June 1949.

Ser. No. 590,190. Television Associates, Inc., Michigan City, Ind. Filed Dec. 30, 1949.



For Continuous Film Reels, Motion Picture Projectors for Use in Television Stations, Dollies for Television Cameras, Tripods for Television Cameras.

Claims use since on or about August 1944.

Ser. No. 592,557. Eagle Signal Corporation, Moline, Ill. Filed Feb. 16, 1950.

Cycl-Flex

The word "Cycl" apart from the mark shown in the drawing, is disclaimed.

For Electrically Operated, Switch Actuated, Motor Driven Circuit Timers for Controlling the Time Length of the Operating Phase or Phases of Machine Tools and Other Equipment.

Claims use since Jan. 27, 1950.

Ser. No. 594,717. International Register Company, Chicago, Ill. Filed Mar. 27, 1950.

METER-MATIC

Applicant claims the exclusive right to the use of the word "Meter" as part of its mark as shown, but not otherwise.

For Coin-Operated Time Switches.

Claims use since Jan. 1, 1932.

Ser. No. 595,052. The Baldwin Locomotive Works, Eddystone, Pa., now by change of name Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania. Filed Apr. 1, 1950. (Sec. 2f.)

BALDWIN

For Machines for Testing the Strength of Materials; Instruments Responsive to, and Instruments for Measuring, Indicating, and Recording Strain Produced by Fluid Pressure Forces or Forces in Tension, Compression, Torsion, or Bending; Air Speed Measuring Instruments and Altimeters; Railway Track Weighing Scales; Crane Weighing Scales, Railway Vehicles Specially Made for Testing Track Weighing Scales; and Wind Tunnels for Testing Airplane Models or the Like.

Claims use since 1944.

Ser. No. 598,418. Hathaway Instrument Company, Denver, Colo. Filed June 1, 1950.

Hathaway

The term "Hathaway" used in the mark is the signature of an individual who has given his consent. Applicant disclaims apart from the mark any representation of any line appearing on a record instrument chart.

For Oscillograph Galvanometers; Oscillographs; Synchronous Time Markers, Film and Sensitized Paper Record Magazines, High Speed Photographic Shutter Attachments, Rotating Mirrors, Automatic Transient-Recording Attachments Including Quick-Starting Record Magazines, Starting Relay Units, and Shutter and Control Units as Parts of or for Oscillographs; Strain Gauge Control Units Comprising Amplifiers and Balancing Controls for Use in Measurement of or Recording of Strain; Strain Calibrating Boxes and Stands; Strain Recording Systems Comprising Amplifiers, Balancing Equipment, Calibrating Equipment, and a recording Oscillograph; Electric Extensometer; Electric Devices for Producing an Electric Current That is Proportional to the Magnitude of Some Other Physical Quantity for Use With Oscillographs or Indicating Instruments to Record or Indicate the Quantity; and Pressure Heads for Measurement of Fluid or Gas Pressure.

Claims use since December 1946.

Ser. No. 598,534. Keuffel & Esser Company, Hoboken, N. J. Filed June 3, 1950. (Sec. 2f.)

WYTEFACE

For Measuring Tapes.

Claims use since May 1935.

Ser. No. 601,272. Omag Optik und Mechanik A. G., Neuchâtel, Switzerland. Filed July 26, 1950.

OMAG

Applicant claims ownership of Registrations Nos. 414,318, 414,319, and 351,308.

For Photographic Lenses, Photographic Optical Filters, Photographic Enlargers, Photographic Range Finders, Photographic Filter and Lens Mounts, Lens Sunshades.

Claims use since 1928.

Ser. No. 604,194. W. Edwards & Company (London) Limited, London, England. Filed Sept. 29, 1950.

SPEEDIVAC

Applicant claims ownership of British Registration No. B615,580, dated July 17, 1941.

For High-Vacuum Pumps for Scientific and Research Purposes.

Ser. No. 604,684. Ateliers de Normandie, Paris, France. Filed Oct. 10, 1950.

ETAMIC

Applicant claims ownership of French Registration No. 403,510, dated June 5, 1950.

For Automatic Gauges Used on Machines and Machine Tools and Independently To Effect the Dimensional Control of Articles During Manufacture by Starting, Stopping, or Adjusting the Machines and To Effect the Gauging and Automatic Sorting of the Manufactured Articles.

Ser. No. 606,671. National Farm Equipment Co., Inc., New York, N. Y. Filed Nov. 20, 1950.

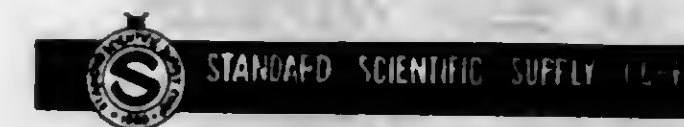


The representation of the outline of the label is disclaimed. The drawing is lined for red and yellow.

For Combination Egg Grader and Candler.

Claims use since Aug. 1, 1950.

Ser. No. 607,147. Standard Scientific Supply Corp., New York, N. Y. Filed Nov. 30, 1950.



Applicant disclaims the words "Standard Scientific Supply Corp." apart from the trade-mark, for the purposes of this application for registration only, and without prejudice to any common law rights it may have therein or to any such rights under the laws of any State of the United States.

For Laboratory Appliances—Namely, Incubators, Warming Tables, Centrifuges, Flasks, Test Tubes, Cylinders, Pipettes, Graduates, Blood Pipettes, Blood Tubes, Dishes, Specially Designed Electric Ovens for Laboratory Use, and Specially Designed Stands for Laboratory Use in Supporting Laboratory Glassware While in Use.

Claims use since July 7, 1949.

Ser. No. 609,863. The Kalart Company Inc., Plainville, Conn. Filed Feb. 9, 1951.

KALITE

For Camera Attachments and Accessories—Namely, Flash Bulb Extension Units for Side, Back, and Top Lighting and Multiple Flash Photography, Reflectors, Connecting Cords, Casings for Said Units, Brackets and Clamps for Said Units, and Switches for Actuating Said Units, the Articles Hereinbefore Listed Being Sold as a Unit.

Claims use since June 1949.

Ser. No. 610,033. Society for Visual Education, Inc., Chicago, Ill. Filed Feb. 13, 1951.

SCHOOL MASTER

For Projector for Projecting Images Upon a Screen.

Claims use since Feb. 6, 1951.

Ser. No. 611,981. Traffic House, Inc., Marshall, Mich.
Filed Mar. 29, 1951.



The words "Speed-Watch" are disclaimed.
For Speed Control Instruments Which Record the Rate of Automotive Vehicles Traveling Over a Roadway Between Spaced-Apart Points.
Claims use since Mar. 12, 1951.

Ser. No. 612,218. Paramount Optical Mfg. Corp., New York, N. Y. Filed Apr. 4, 1951.

Para-Mount

No claim is made to the exclusive right to the word "Mount" apart from the mark shown in the drawing.
For Parts for Ophthalmic Mountings—Namely, Ornamental Rims for Attachment to Spectacles.
Claims use since Feb. 27, 1951.

Ser. No. 614,978. Ammco Tools, Inc., North Chicago, Ill.
Filed June 9, 1951.

AMMCO

Applicant claims ownership of Registrations Nos. 282,012, 282,013, and others.

For Brake Drum Micrometers, and Brake Gages, of Dual Purpose Nature, Being Adapted To Serve as Brake Drum Micrometers and as Brake Shoe Gages, and Having Fittings for Adapting Them to the Two Uses.
Claims use since Mar. 2, 1949.

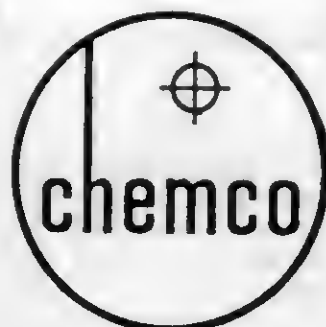
Ser. No. 614,980. Ammco Tools, Inc., North Chicago, Ill.
Filed June 9, 1951.



Applicant claims ownership of Registrations Nos. 282,012, 282,013, and others.

For Brake Drum Micrometers, and Brake Gages, of Dual Purpose Nature, Being Adapted To Serve as Brake Drum Micrometers and as Brake Shoe Gages, and Having Fittings for Adapting Them to the Two Uses.
Claims use since Mar. 2, 1949.

Ser. No. 615,367. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed June 10, 1951.



Applicant claims ownership of Registrations Nos. 353,142, 353,510, 532,005, and 538,940.

For Interval Timers for Use in Photoengraving and Photomechanical Reproduction—Namely, Timers Controlling the Operation of Plate Whirlers, Timers Controlling the Length of Exposure With Contact Printers, Light-Controlled or Photoelectric Timers Controlling the Duration of Other Equipment Such as a Camera Shutter, and Timers for Use With Photoengraving and Photomechanical Cameras for Controlling the Length of Exposure.
Claims use since Oct. 15, 1949, in the form shown; and since Apr. 1, 1950, as to "Chemco."

Ser. No. 615,830. John Love, West Orange, N. J. Filed June 28, 1951.

ALIGN-A-MATIC

No rights to registration of the word "Align" are claimed apart from the mark as shown.

For Portable Vehicle Wheel Toe-In and Toe-Out and Camber Indicator of the Drive-Over Class.
Claims use since Apr. 13, 1950.

Ser. No. 616,047. Picker X-Ray Corporation, New York, N. Y. Filed July 3, 1951.

GRAVITY-GRIP

The word "Grip" appearing in applicant's mark is disclaimed apart from the mark as shown.

For X-Ray Film Holders.
Claims use since Apr. 24, 1951.

Ser. No. 616,080. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed July 5, 1951. (Sec. 2f.)

EASTMAN

Applicant claims ownership of Registrations Nos. 67,012, 67,137, and others.

For Photographic Cameras, Photographic Projectors, Photographic Printers, Photographic Film Winding Machines, Photographic Film Numbering Machines, Projection Screens, Motion Picture Film Containers, Motion Picture Film Pitch Gauges, Light Filters, Densitometers, and Apparatus for Measuring Silver Content of Film Treating Baths.
Claims use since 1910.

Ser. No. 616,234. Loga-Calculator, Aktiengesellschaft, Unter, Zurich, Switzerland. Filed July 9, 1951.



Applicant claims ownership of Swiss Registration No. 127,686, dated Nov. 30, 1948.

For Adding and Calculating Machines and Apparatus, Long Scale Slide Rules, Calculating Cylinders and Discs.

Ser. No. 618,388. Chicago Eye Shield Company, Chicago, Ill. Filed Sept. 5, 1951. (Sec. 2f.)

SUPER-SAFETY

For Hardened Glass Protective Lenses for Goggles and Spectacles.
Claims use since 1923.

Ser. No. 619,243. Heenan & Froude Limited, Worcester, England. Filed Sept. 26, 1951. (Sec. 2f.)

FROUDE

For Dynamometers.
Claims use since 1881; and was first used in commerce between Great Britain and the United States in 1881.

Ser. No. 619,424. The Wayne Pump Company, Fort Wayne, Ind. Filed Sept. 6, 1951. (Sec. 2f.)

Wayne

Applicant claims ownership of Registrations Nos. 80,295, 139,050, 139,227, and others.

For Pipeline or Flow Meters; Fuel Dispensers and Measuring Apparatus, Including Registers, Dials, Computing Devices, Motors, Pumps, Valves, Hose, Reels, Nozzles, Stands, Cabinets, Motors, and Air Separators Sold as a Unit; Portable Aircraft Fuelers, Including Computers, Meters, Air Separators, Pumps, Reels, Nozzles, Hose Cabinets, and Indicators Sold as a Unit; Air Measuring and Dispensing Units, Including Stands, Gauges, Filters, Automatic Cut-Offs, Valves, Reels, Hose, Water Traps, and Indicators Sold as a Unit.
Claims use since 1891.

Ser. No. 619,550. Henry Roger, doing business as Rolab, Sandy Hook, Conn. Filed Oct. 3, 1951.

Ready-Eddy

For Sound Film Editing Data (Namely, an Instrument for Indicating the Number of Frames of Particular Film in a Particular Number of Linear Feet of That Film and the Length of Time of Movement of Such Film).
Claims use since Sept. 6, 1951.

Ser. No. 619,761. Knopf Instrument Company, Jersey City, N. J. Filed Oct. 9, 1951.

"Pe Ka"

For Recorders for Vehicles and Industrial Machines for Making Continuous Records of the Speed, Distance Traveled or Number of Pieces Produced, Number of Stops and the Time Elapsed During Each Stop and While the Vehicle is Traveling or the Machine is Running, and Odometers Otherwise Known.
Claims use since 1933.

Ser. No. 620,732. International Alliance of Theatrical Stage Employees and Moving Picture Machine Operators of the United States and Canada, New York, N. Y. Filed Oct. 31, 1951. CERTIFICATION MARK.



Applicant claims ownership of Registrations Nos. 120,675, 439,790, and 524,791.

For Motion Picture Film.
Claims use since in the month of May 1951.

Ser. No. 621,186. Willson Products, Inc., Reading, Pa. Filed Nov. 13, 1951.

Chip-Weld

The term "Weld" is disclaimed apart from the mark as shown.

For Ophthalmic Mountings and Parts Thereof Including Goggles and Protection-Glass Lenses.
Claims use since Aug. 1, 1935.

Ser. No. 623,437. Terrytoons, Inc., New Rochelle, N. Y. Filed Jan. 10, 1952.



For Series of Motion Picture Animated Cartoons.
Claims use since Jan. 2, 1952.

Ser. No. 623,702. Callaway Mills Company, La Grange, Ga. Filed Jan. 19, 1952.

CALLATOME

For Holder for Use in the Preparation of Specimens for Microscopic Examination and for Supporting the Specimens During Such Examination.
Claims use since Aug. 24, 1951.

Ser. No. 624,162. John E. Sjöstrom Company, Philadelphia, Pa. Filed Jan. 26, 1952.



For Fitted and Movable Laboratory Science Desks, Laboratory Tables, and Laboratory Benches for Use by Students, Instructors, and Laboratory Technicians; Drawing Tables, Drawing Boards, Movie and Slide Projector Stands, Microscope Plate Filing Cases, Radar Carrying Cases, and Fitted Laboratory Table Tops.

Claims use since April 1949, on the mark as shown; and since 1916, as to the windmill design.

Ser. No. 625,563. Brunsviga Maschinenwerke, A. G., Braunschweig, Germany. Filed Feb. 12, 1952.

ADVIGA

Applicant claims ownership of German Registration No. 616,399, dated Feb. 7, 1952.

For Calculating and Adding Machines.

Claims use since 1951 and first used in commerce with the United States in November 1951.

Ser. No. 625,092. Raytheon Manufacturing Company, Newton, Mass. Filed Feb. 28, 1952.

Cadet

For Apparatus for Measuring Distances by Reflected Sound Waves or by Similar Acoustic Methods—Namely, for Apparatus for Determining Depths of Water and Soundings.

Claims use since August 1950.

Ser. No. 625,720. Eugene Dietzgen Co., Chicago, Ill. Filed Feb. 29, 1952. (Sec. 2f.)

Clearcite

For Draftsmen's Articles—Namely, Protractors, Drawing Templates, Lettering Guides, and Line Drawing Guide Devices—Namely, Triangles, Curves, T-Squares, Rulers, and Straightedges.

Claims use since Nov. 1, 1946.

Ser. No. 626,158. A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Filed Mar. 8, 1952. (Sec. 2f.)

"CASTELL"

Applicant claims ownership of Registrations Nos. 73,469, 244,177, and others.

For Rules, Calculating Rules, Triangles, and T-Squares. Claims use since Jan. 20, 1906.

Ser. No. 626,809. Philip Jay Medicus, New York, N. Y. Filed Mar. 21, 1952.

PROTECT-IZE

Applicant disclaims the word "Protect" separately from the entire mark shown in the drawing.

For Sunglasses, Goggles and Spectacles, Shooting Glasses.

Claims use since Mar. 13, 1952.

Ser. No. 627,989. United States Safety Service Co., Kansas City, Mo. Filed Apr. 11, 1952.

DUO-CHEM

For Goggles.

Claims use since Feb. 29, 1952.

Ser. No. 629,079. American Optical Company, Southbridge, Mass. Filed May 2, 1952.

Plastolite

For Lenses.

Claims use since Oct. 9, 1951.

Ser. No. 629,142. American Optical Company, Southbridge, Mass. Filed May 3, 1952.

Starmont

For Ophthalmic Frames.

Claims use since Jan. 14, 1952.

Ser. No. 631,859. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed June 27, 1952.

GRAVARA

For Light-Sensitive Photographic Material, Particularly Photographic Paper.

Claims use since May 15, 1952.

Ser. No. 631,860. General Aniline & Film Corporation, New York and Binghamton, N. Y. Filed June 27, 1952.

SCOVARA

For Light-Sensitive Photographic Material, Particularly Photographic Paper.

Claims use since May 15, 1952.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 567,129. Pennwood Numechron Co., Pittsburgh, Pa. Filed Oct. 18, 1948.

numechron

For Clocks.

Claims use since Sept. 1, 1940.

Ser. No. 634,498. Stois Freres, S. A. Fabrique d'Horlogerie Angelus, Le Locle, Switzerland. Filed Aug. 26, 1952.



Applicant claims ownership of Registration No. 431,244. For Boudoir, Desk, and Mantle Clocks, Watches, and Parts Thereof.

Claims use since Mar. 10, 1922; and since Mar. 10, 1922, in commerce between foreign nations and the United States.

Ser. No. 634,521. Concord Watch Co. Inc., New York, N. Y. Filed Aug. 27, 1952.

Voltomatic

For Watches and Clocks.

Claims use since Aug. 11, 1952.

Ser. No. 634,645. Kingston Watch Co., New York, N. Y. Filed Aug. 29, 1952.

AGEFA

For Watches.

Claims use since August 1951.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 614,250. Hallmark Ring Corporation, Chicago, Ill. Filed May 23, 1951.

Hallmark

Applicant claims ownership of Registrations Nos. 187,807 and 425,504.

For Jewelry for Personal Wear or Adornment—Namely, Finger Rings and Mountings, Cultured Pearls, Simulated Pearls, and Pearl Rings, Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Pearl Brooches, and Pearl Pins.

Claims use since Mar. 15, 1951.

Ser. No. 626,860. Coro, Inc., New York, N. Y. Filed Mar. 22, 1952.

Coroteens

Applicant claims ownership of Registrations Nos. 414,765, 183,396, and others.

For Necklaces, Bracelets Not Including Watches, Earrings, Jewelry Clips, Brooches, Locketts, and the Following Goods Made in Whole or in Part of Precious Metals or Plated With the Same; Beads, Pins, Hat Ornaments, Comb Cases, Jewelry Initials; and Cultured and Artificial Pearls.

Claims use since January 1940.

Ser. No. 632,176. Harry Rotter, Chicago, Ill. Filed July 5, 1952.



Applicant disclaims the pictorial representation of a cut gem stone, apart from the mark as shown.

For Finger Rings of Precious Metal Mounted With Precious and Semi-Precious Stones.

Claims use since Mar. 28, 1952.

Ser. No. 634,043. Gemex Company, Union, N. J. Filed Aug. 16, 1952.

JOLIE COEUR

For Bracelets and Watch Bracelets and Watch Straps. Claims use since Aug. 4, 1952.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 606,039. The New York Association for the Blind, Inc., New York, N. Y. Filed Nov. 7, 1950.

REX

For Floor Mops.

Claims use since in or about the year 1925.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 626,625. Grandma Moses Properties, Inc., New York, N. Y. Filed Mar. 18, 1952.

A GRANDMA MOSES PRODUCT

The consent of Mrs. Anna Mary Robertson Moses, the well-known primitive painter, often referred to as "Grandma Moses," is of record in this application. Exclusive use of the words "A" and "Product" is disclaimed apart from the other features of the mark.

For Chinaware—Namely, Dishes.

Claims use since June 1, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 610,934. Waukesha Motor Company, Waukesha, Wis. Filed Mar. 6, 1951. (Sec. 2f.)

Waukesha

Applicant claims ownership of Registration No. 218,996. For Engine-Compressor Units for Refrigeration Systems; Evaporator Coolers; Refrigerant Compressors; Refrigerant Condensers; and Parts Thereof; and Mechanical Refrigeration Units for Air Conditioning, and Parts Thereof.

Claims use since 1907.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 377,138. Tspoonerville Corporation, Los Angeles, Calif. Filed Apr. 14, 1949.

Papoo Set

Applicant disclaims the word "Set" which is shown as a part of the mark.

For Child's Chair-Table Ensembles for Use as High Chairs, Folding Tables and Stands, Rockers With Folding Seats, Folding Seats for Cars, Swing Seats for Children, and Folding Bassinets.

Claims use since Mar. 31, 1949.

Ser. No. 623,469. Knoll Associates, Inc., New York, N. Y. Filed Jan. 11, 1952. (Sec. 2f as to "Knoll.")



Applicant claims ownership of Registrations Nos. 357,891, 357,893, and 357,931.

For Articles of Furniture—Namely, Tables, Desks, Seats, Chairs, Stools, Couches, Sofas, Beds, Chests, Cabinets, and Trays.

Claims use since Dec. 21, 1951, on the mark as shown; and since Nov. 23, 1949, as to "Knoll" in a different display.

Ser. No. 627,467. Spin-Dex, Inc., Skokie, Ill. Filed Apr. 2, 1952.

SPIN-DEX

The word "Spin" is disclaimed apart from the mark as shown.

For Rotary Card Files.

Claims use since Dec. 24, 1945.

CLASS 33

GLASSWARE

Ser. No. 351,603. Anchor Hocking Glass Corporation, Lancaster, Ohio. Filed Mar. 10, 1948. (Sec. 2f.)

Ivory Fire-King

Applicant claims ownership of Registration No. 388,432. For Glassware—Namely, Baker-Servers, Cake Pans, Casseroles, Casserole Covers, Casserole Carriers, Coffee Mugs, Cups, Custard Cups, Individual Deep Pie Dishes, Loaf Pans, Pie Plates, Plates, Saucers, Soup Plates, and Utility Pans, All Made of Glass.

Claims use since Jan. 22, 1948.

Ser. No. 392,117. Anchor Hocking Glass Corporation, Lancaster, Ohio. Filed Feb. 8, 1950. (Sec. 2f.)

**Forest Green
Anchorglass**

Applicant claims ownership of Registration No. 419,329. For Glass Tableware—Namely, Fruit Juice Glasses, Sherbet Glasses, Goblets, Sherbet Plates, Salad Plates, Punch Cups, Table Tumblers, Iced Tea Glasses, Cups, Saucers, Dessert Dishes, Cereal Dishes, Luncheon Plates, Dinner Plates, Soup Plates, Bowls, Platters, Sugar Bowls, and Cream Pitchers.

Claims use since Jan. 19, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 574,805. American Machine and Foundry Company, New York, N. Y. Filed Mar. 3, 1949.

THERMO-RADIANT

The word "Radiant" is hereby disclaimed apart from the mark as shown.

For Baking Ovens, and Parts Pertaining to Such Apparatus.

Claims use since on or about Dec. 10, 1936.

Ser. No. 603,028. Southern Equipment Company, St. Louis, Mo. Filed Aug. 31, 1950.

SECO-MATIC

Applicant claims ownership of Registration No. 443,023. For Hot Food Tables Applying Dry or Moist Heat Selectively.

Claims use since Jan. 13, 1950.

Ser. No. 617,084. International Heater Company, Utica, N. Y. Filed July 28, 1951.

ECONOLOOP

Applicant claims ownership of Registrations Nos. 107,339 and 391,920.

For Hot Water Boilers and Hot Water Supply Heaters. Claims use since June 28, 1950.

Ser. No. 632,830. Diesel Oil Burner Corp. of N. Y., Jamaica, N. Y. Filed July 21, 1952.

DYNAFLAME

For Oil Burners for Heating Purposes and Water Heating Apparatus.

Claims use since May 21, 1952.

Ser. No. 632,981. Erie City Iron Works, Erie, Pa. Filed July 24, 1952.

TRAVAGRATE

For Stokers.

Claims use since March 1952.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 632,997. Roberts Manufacturing Co., Cleburne, Tex. Filed July 24, 1952.

Ranger

For Stove Hood.

Claims use since May 15, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 621,732. H. Chiron Company, Inc., New York, N. Y. Filed Nov. 28, 1951. (Sec. 2f.)

Vibrator

Applicant claims ownership of Registrations Nos. 286,991, 303,135, and 390,946.

For Reeds for Saxophones, Clarinets, and Similar Musical Instruments.

Claims use since Oct. 14, 1925.

CLASS 39

CLOTHING

Ser. No. 567,781. The Haverfield Company, Columbus, Ohio. Filed Oct. 28, 1948.

Glenda

For Hats for Women and Misses.

Claims use since Aug. 27, 1948.

Ser. No. 594,063. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 10, 1950.

VAN-TEE

The word "Tee" is disclaimed apart from the mark as shown.

For Men's and Boys' Dress, Sport, and Work Clothing and Parts Thereof—Namely, Outer Dress Shirts, Outer Sport Shirts, Jackets and Coats, Outer Work Shirts, Sweaters, Hosiery, Collars, Pajamas, and Neckties. Claims use since September 1945.

Ser. No. 597,109. Eli L. Sandler & Co., Inc., New York, N. Y. Filed May 9, 1950.

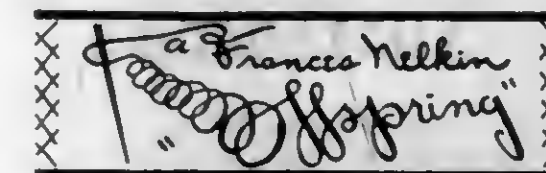


The word "Linens" is hereby disclaimed apart from the mark as shown.

For Handkerchiefs of Linen.

Claims use since Jan. 3, 1950.

Ser. No. 601,834. Frances & Walter Nelkin, Inc., New York, N. Y. Filed Aug. 7, 1950.



The name "Frances Nelkin" is the facsimile signature of the Frances Nelkin of the applicant corporation.

For Women's, Misses', and Girls' Hats, Scarves, Gloves of Leather, Fabric, or Combinations Thereof, Coats, Dresses, Suits, Bathing Suits, Bathrobes, Blouses, Underwear, Hosiery, Handkerchiefs and Shoes of Leather, Fabric, or Combinations Thereof, and Men's and Boys' Hats, Suits, Shirts, Underwear, Hosiery, Neckwear—Namely, Neckties, Scarfs, Stocks, and Collars, Handkerchiefs, Gloves of Leather, Fabric, or Combinations Thereof, Bathing Suits, Bathrobes and, Shoes of Leather, Fabric, or Combinations Thereof.

Claims use since July 14, 1950.

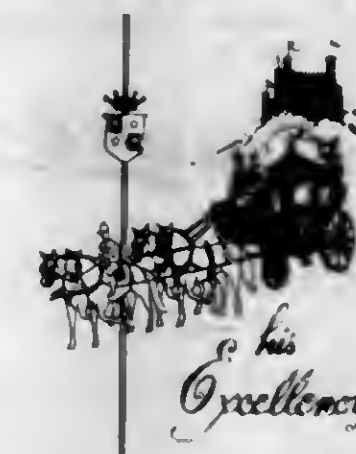
Ser. No. 602,218. Rich's Inc., Atlanta, Ga. Filed Aug. 15, 1950.

**"KING FOR
A DAY"**

For Men's Suits, Outer Shirts, Ties, Socks, Shoes, Handkerchiefs, Underwear, Pajamas.

Claims use since July 1940.

Ser. No. 613,578. Wellmade Leather Goods Co., Inc., New York, N. Y. Filed May 5, 1951.



For Men's and Boys' Belts.

Claims use since Jan. 1, 1949.

Ser. No. 628,832. Tie-Rite, New York, N. Y. Filed Apr. 28, 1952.

Colonial

For Bow Neckties.

Claims use since Dec. 1, 1951.

Ser. No. 629,024. Jets Inc., New York, N. Y. Filed May 1, 1952.

JE'TELLA

For Shirts for Outer Wear for Boys.

Claims use since Feb. 13, 1952.

Ser. No. 629,020. Jets Inc., New York, N. Y. Filed May 1, 1952.

Sunshadows

For Shirts for Outer Wear for Boys.
Claims use since Feb. 7, 1952.

Ser. No. 629,208. Lebow Bros. Inc., Baltimore, Md.
Filed May 3, 1952.

Spring Meadow Tweed

No claim is made to the word "Tweed" apart from the mark as shown in the drawing.

For Men's Suits, Including Coats, Vests, and Trousers, Topcoats and Overcoats.

Claims use since Oct. 2, 1951.

Ser. No. 629,499. Lilly Dache, Inc., New York, N. Y.
Filed May 10, 1952.

MADemoisELLE LILLY

The word "Mademoiselle" is disclaimed apart from the mark as shown.

For Women's Hats, Dresses, Gloves of Leather, Fabric, and Combinations Thereof; Shoes, Scarves, Underwear, Foundation Garments, and Oldies.

Claims use since Apr. 18, 1952.

Ser. No. 629,981. Amerex Trading Corporation, New York, N. Y. Filed May 21, 1952.

Ameré

For Ladies' and Men's Scarves.
Claims use since Nov. 2, 1951.

Ser. No. 630,576. Caljax Incorporated, Van Nuys, Calif.
Filed June 2, 1952.

"GLAMOUR-GLOVE"

No claim is made to the word "Glove" shown on the drawing except as used in conjunction with the other features of the mark.

For Men's and Women's Leather Jackets.
Claims use since Oct. 30, 1951.

Ser. No. 631,826. Three B's Hosiery Mills, New York, N. Y. Filed June 26, 1952.

Bel Ami

For Ladies' Hosiery.
Claims use since July 7, 1950.

Ser. No. 632,093. Macon Shirt Company, Macon, Ga.
Filed July 2, 1952.

Lordcastle

For Men's Sport and Dress Shirts.
Claims use since Mar. 15, 1952.

Ser. No. 632,105. Wolf Outerwear Co. Inc., Boston, Mass.
Filed July 2, 1952.

*The
GUIDE MASTER*

For Cloth Jackets, Leather Jackets, and Sheepskin Coats, for Men, Women, and Children.
Claims use since Jan. 9, 1952.

Ser. No. 632,751. Sears, Roebuck and Co., Chicago, Ill.
Filed July 18, 1952.

PUTTER PANTS

Applicant disclaims the word "Pants" apart from the mark as shown.

For Men's and Young Men's Trousers.
Claims use since on or about June 1, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 623,134. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Jan. 3, 1952.

Fedway

For Textile Rugs, Cotton, Rayon, Woolen, Silk, and Linen Yard Goods, Textile Table Place Mats and Napkins, Towels, Lace Fabrics, Table and Furniture Scarfs, Tapestries, Textile Carpets and Carpeting, Drapes, Bath Mats and Bath Mat Sets, Textile Ribbons, Veilings, Wash Cloths, Dish Cloths, Cheesecloth, and Window and Shower Curtains.

Claims use since Dec. 14, 1951.

Ser. No. 623,903. Philadelphia Textile Finishers, Inc., Norristown, Pa. Filed Jan. 22, 1952.

CORDOTAN

For Textile Fabrics of Cotton.
Claims use since Sept. 10, 1951.

Ser. No. 623,905. Philadelphia Textile Finishers, Inc., Norristown, Pa. Filed Jan. 22, 1952.

RIPPLETAN

For Textile Fabrics of Cotton.
Claims use since Sept. 10, 1951.

Ser. No. 624,155. Puritan Piece Dye Works, Paterson, N. J. Filed Jan. 20, 1952.

Pur-Repeltex

For Water Repellent Textile Fabrics of Wool, Cotton, Silk, Mohair, and Synthetic Fibers.
Claims use since Sept. 15, 1951.

Ser. No. 635,498. J. P. Stevens & Co. Inc., New York, N. Y. Filed Sept. 19, 1952.

TAFCO

For Piece Goods of Cotton and/or Synthetic Fibers, or Blends of the Two.
Claims use since July 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 626,562. Dean Rubber Manufacturing Co., North Kansas City, Mo. Filed Mar. 17, 1952.

Peacocks



For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Sept. 15, 1926.

Ser. No. 630,178. Abbott Laboratories, North Chicago, Ill. Filed May 24, 1952.

ABBOJECT

For Plastic Disposable Syringe.
Claims use since May 13, 1952.

Ser. No. 632,088. George W. Jacoby, Jr., doing business as Lee Manufacturing Co., Wooster, Ohio. Filed July 2, 1952.

SPADE - CET

For Hypodermic Needles.
Claims use since May 9, 1952.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 575,082. Opekast, Inc., Hamilton, Ohio. Filed Mar. 8, 1949.



For Fresh Milk, Chocolate Milk, Fresh Buttermilk, Fresh Cream, Cottage Cheese, Butter, and Fresh Eggs; Ice Cream.

Claims use since Oct. 10, 1930.

Ser. No. 576,924. Mrs. J. G. McDonald Chocolate Company, Salt Lake City, Utah. Filed Apr. 11, 1949.

**MEADOW
MILK
CHOCOLATES**

No claim is made to the words "Milk" or "Chocolates" apart from the mark as shown on the drawing.

For Candy.
Claims use since Jan. 1, 1940.

Ser. No. 584,079. Romeo Packing Co., San Francisco, Calif. Filed Aug. 26, 1949.

**CHARLIE
BOY**

For Canned Fish.
Claims use since Oct. 15, 1947.

Ser. No. 595,435. Zuckerman Mandeville Inc., Stockton, Calif. Filed Apr. 7, 1950.



The representation of a stalk of asparagus is disclaimed apart from the mark, as shown.

For Fresh and Canned Asparagus.
Claims use since Mar. 1, 1950.

Ser. No. 596,090. Gerber Products Company, Fremont, Mich. Filed Apr. 21, 1950. (Sec. 2f as to "Gerber's.")



The infant's head in the letter "G" is an artistic drawing of a picture of Ann Turner Cook taken when a child, whose consent is of record. The remaining illustrations are fanciful. Applicant claims ownership of Registrations Nos. 360,865, 405,310, and others.

For Specially Prepared Cereal Foods—Namely, Barley Cereal, Oatmeal, and Specially Prepared Cereal Mixture Containing Semolina, Whole Wheat Flour, Corn Meal, Wheat Germ, Etc.

Claims use since Apr. 1, 1949, on the mark as shown; and since Oct. 12, 1928, as to "Gerber's."

Ser. No. 597,860. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Apr. 3, 1950.

RABBIT HOPPER-ETTS

The word "Rabbit" is disclaimed apart from the mark as shown.

For Rabbit Feed.

Claims use since Dec. 6, 1949.

Ser. No. 609,136. Norsk Frossenflak A/L, Oslo, Norway. Filed Jan. 23, 1951.



FRIONOR

Applicant claims ownership of Norwegian Registration No. 38,023, dated Aug. 30, 1950; and United States Registration No. 550,382.

For Frozen Whole Fish (Skin on), Frozen Fish Fillet (Skinless), and Frozen Whale Meat.

Ser. No. 614,606. A/S Bergenhus Canning Co., Bergen, Norway. Filed June 1, 1951.



The words "Norwegian Sardines" and "Fjord Sild" and the representation of the fish are disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Norwegian Registration No. 39,571, dated Mar. 12, 1951.

For Canned Sardines.

Ser. No. 620,621. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Oct. 29, 1951. (Sec. 2f.)

YOU BAKE YOUR BEST WITH PILLSBURY'S BEST

For Wheat Flour (Including Both Self-Rising and Phosphated).

Claims use since Aug. 1, 1944.

Ser. No. 625,863. OMA Cheese Company A/S, Copenhagen, Denmark. Filed Mar. 3, 1952.



All wording excepting "OMA" is disclaimed apart from the mark shown in the drawing. Applicant claims ownership of Danish Registration No. 1679-1951, dated Dec. 1, 1951.

For Cheese.

Ser. No. 626,251. Rodney Karlson, Girard, Ohio. Filed Mar. 11, 1952.

Rodney Ann's

For Candy.

Claims use since Mar. 15, 1937.

Ser. No. 628,099. Driscoll Strawberries, Inc., San Martin, Calif. Filed Apr. 15, 1952.

MADRONE

The word "Madrone" is a Spanish term identifying a type of tree.

For Frozen Fresh Berries.

Claims use since June 1948.

Ser. No. 629,203. Hunt Foods, Inc., Fullerton, Calif. Filed May 5, 1952. (Sec. 2f.)

Hunt's

Applicant claims ownership of Registrations Nos. 154,771, 178,947, and others.

For Canned Fruits; Canned Vegetables; Canned Tuna Fish; Canned Spaghetti With Tomato and Cheese Sauce Added; Canned Tomato Puree; Canned Hominy; Canned Pork and Beans With Tomato Sauce; Canned Chili Beans; Canned Tomato Juice; Canned Tomato Sauce; Canned Tomato Paste; Canned Deciduous Fruit Juices for Food Purposes; Bottled Prepared Mustard; Bottled Soy Sauce; Bottled White Vinegar; Bottled Sweet Pickle Relish; Bottled Pickles; Fruit Preserves Canned and in Glass; Bottled Tomato Catsup; Bottled Chili Sauce; Bottled Chili Pepper Catsup.

Claims use since Feb. 1, 1895.

Ser. No. 629,473. California Berry Freezers, Inc., Watsonville, Calif. Filed May 10, 1952.

BERRY QUEEN

No claim is made to the word "Berry" apart from the mark as shown.

For Fresh Strawberries and Frozen Fresh Strawberries.

Claims use since May 25, 1951.

Ser. No. 630,169. Alfred Stein, doing business under the name of Stein Candy Co., Forest Hills, N. Y. Filed May 23, 1952.



For Candy.

Claims use since August 1951.

Ser. No. 633,892. Val-Tex, Inc., Brownsville, Tex. Filed Aug. 13, 1952.



For Cattle Feed.

Claims use since July 11, 1952.

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CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 616,084. De Roy Manufacturing Co., South Gate, Calif. Filed July 5, 1951.



The word "Kan-Kap" is disclaimed apart from the mark as shown.

For Lids for Open Cans of Food.

Claims use since Jan. 5, 1951.

Ser. No. 618,054. Marion A. McKinney, Chicago, Ill. Filed Aug. 24, 1951.

Carrie Career

The name "Carrie Career" is purely fanciful.

For Miniature Figures Used for Coordinating and Planning Women's Wardrobes.

Claims use since May 22, 1951.

Ser. No. 626,746. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed Mar. 20, 1952.

TERRALACTOR

For Assembled Pen or Brooder With Automatic Feeding Means and in Some Cases Electrical Heating Means for Rearing Infant Domesticated Animals, Particularly Pigeons.

Claims use since Jan. 18, 1952.

Ser. No. 632,038. Alexander W. McNeill, Saugus, Mass. Filed July 1, 1952.

Multi-Axion

Applicant claims ownership of Registration No. 405,354.

For Shoe Lasts and Parts of Lasts.

Claims use since July 27, 1951.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 601,109. Les Parfums Jacques Fath (Société à Responsabilité Limitée), Paris (Seine), France. Filed July 22, 1950.

CANASTA

Applicant claims ownership of French Registration No. 400,043, dated Jan. 26, 1950.
For Perfumes.

Ser. No. 617,794. Norman Hartnell Limited, London, England. Filed Aug. 17, 1951.

IN LOVE

Applicant claims ownership of British Registration No. 689,042, dated May 12, 1950.
For Perfumes and Essential Oils.
Claims use since May 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 612,233. Alpha Kappa Alpha Sorority, Chicago, Ill. Filed Apr. 5, 1951.



The Greek words inscribed on the ribbon below the shield, which mean "We Serve as Helpmates," are disclaimed apart from the mark as shown.

For Establishing and Maintaining Membership in a National Sorority.

Claims use since Nov. 13, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 619,268. Stepan Chemical Company, Chicago, Ill. Filed Sept. 26, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 394,691. For Detergents, Soaps, and Cleaning and Washing Compounds in Liquid, Powder, and Paste Form and Suitable for Cleaning Clothing and for Other Cleaning Uses.
Claims use since Feb. 1, 1940.

Ser. No. 619,698. Chemical Research Products, Inc., Seattle, Wash. Filed Oct. 8, 1951.

Sea-Chem

For Grease Trap and Drain Cleaners.
Claims use since Sept. 1, 1951.

Ser. No. 619,183. American Cancer Society, Inc., New York, N. Y. Filed Sept. 25, 1951.



For Dissemination of Information, Relative to Cancer Research, Treatment, and Control, to the General Public and the Medical Profession by Preparation, Publication, and Distribution of Pamphlets, Magazines, Monographs, and Films; for Preparation and Distribution of Statistical Studies Relative to Cancer Research, Treatment, and Control; for Arranging and Providing Facilities for National Cancer Conferences; Said Services Being Financed Through Solicitation and Collection of Charitable Contributions.

Claims use since 1935.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 556,626. Easy Method Auto Driver Training School, Inc., Washington, D. C. Filed May 10, 1948. (Sec. 2f.)



For Auto Driver Training.
Claims use since December 1941.

TRADE-MARK REGISTRATIONS GRANTED
ACT OF 1905

444,750. Women's Hats and Hat Bodies. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947, Serial No. 525,641. Published Oct. 21, 1952. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

- 569,840. Lead Pencils and Crayons. Eagle Pencil Company, New York, N. Y.
Original filed, act of 1905, May 28, 1947; amended to application under act of 1946, Principal Register, June 18, 1948. Serial No. 523,194. Published Oct. 28, 1952. Class 37.
- 569,841. Mechanically Grooved Phonograph Records. Decca Records, Inc., New York, N. Y.
Filed Aug. 14, 1947, Serial No. 531,317. Published Nov. 11, 1952. Class 36.
- 569,842. Ladies' and Misses' Hosiery. Valcourt Hosiery Corporation, New York, N. Y.
Filed Oct. 22, 1947, Serial No. 538,679. Published Aug. 5, 1952. Class 39.
- 569,843. Men's Outer Shirts. McMullen-Leavens Company, Incorporated, Glens Falls and New York, N. Y., assignor to Troy Shirtmakers Guild, Inc., New York, N. Y., a corporation of New York.
Filed Dec. 29, 1947, Serial No. 545,636. Published Sept. 21, 1949. Class 39.
- 569,844. Coated Paper for Printing Purposes. Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis.
Filed Jan. 21, 1948, Serial No. 547,617. Published Oct. 14, 1952. Class 37.
- 569,845. Perfumes, Rice Powder, and Lipsticks. Societe Jacques Frederic Fath et Compagnie, Paris, France.
Filed Apr. 15, 1948, Serial No. 554,728. Published Oct. 14, 1952. Class 51.
- 569,846. Printed Pressure Sensitive Tape. Transparent Products Co. Inc., New York, N. Y.
Filed May 13, 1948, Serial No. 557,166. Published Nov. 11, 1952. Class 5.
- 569,847. Automobile Seat and Slip Covers. The Abel Corporation, Columbus, Ohio.
Filed June 11, 1948, Serial No. 558,980. Published Sept. 23, 1952. Class 19.
- 569,848. Snuff. George W. Helme Company, New York, N. Y.
Filed July 23, 1948, Serial No. 562,044. Published Nov. 4, 1952. Class 17.
- 569,849. Dress Shirts, Negligee Shirts, Work Shirts, Sport Shirts, and Parts Thereof—To Wilt, Neckbands, Cuffs, and Shirt Fronts; Pajamas; Underwear; Handkerchiefs; Neckties; and Hosiery, for Men, Women, Boys, and Girls. Phillips-Jones Corporation, New York, N. Y.
Filed July 30, 1948, Serial No. 562,574. Published Sept. 23, 1952. Class 39.
- 569,850. Germicidal Preparation for Use in Sterilizing Articles and as a Disinfectant for External Use on the Body. The William Gets Corporation, Chicago, Ill.
Filed Oct. 19, 1948, Serial No. 567,193. Published Oct. 28, 1952. Class 18.
- 569,851. Warehouse Trucks, Hand Trucks, and Wheels and Casters Therefor. Roll-Rite Corporation, Oakland, Calif.
Filed Nov. 30, 1948, Serial No. 569,642. Published Sept. 16, 1952. Class 19.
- 569,852. Bicycles, Motor-Bicycles, Tricycles for Adult Use and Structural Parts Thereof. The Raleigh Cycle Co. Limited, Nottingham, England.
Filed Jan. 5, 1949, Serial No. 571,662. Published Sept. 23, 1952. Class 19.
- 569,853. Vitamin Preparations for Veterinary Use. B. V. M. Corporation, Cleveland, Ohio.
Filed Mar. 4, 1949, Serial No. 574,885. Published Oct. 14, 1952. Class 18.
- 569,854. CONSOLIDATED CERTIFICATE. Shuron Optical Company, Inc., Geneva, N. Y.
Abrasives and Polishing Materials—Namely, Grinding Wheels, Etc. Filed Sept. 19, 1951, Serial No. 618,989. Published July 29, 1952. Class 4.
Lens Grinding, Surfacing, Polishing, and Edging Machines; Etc. Filed Mar. 26, 1949, Serial No. 576,139. Published May 6, 1952. Class 23.
Spectacles, Eyeglasses, and Parts Thereof; Etc. Filed Mar. 26, 1949, Serial No. 576,140. Published Aug. 19, 1952. Class 26.
- 569,855. Room Deodorants. Florey Dental Corporation, Chicago, Ill.
Filed Mar. 29, 1949, Serial No. 576,237. Published Nov. 11, 1952. Class 6.
- 569,856. Smokers' Pipes. J. E. Seeman Company, Inc., Los Angeles, Calif.
Filed Apr. 7, 1949, Serial No. 576,775. Published Nov. 4, 1952. Class 8.
- 569,857. Automotive Express Vehicle Bodies; Boats for Rowing, Sailing, and Motor Propelled Use; Barges; Tank Vehicle Bodies and Tank Trailers. Columbian Steel Tank Company, Kansas City, Mo.
Filed May 7, 1949, Serial No. 578,373. Published Sept. 23, 1952. Class 19.
- 569,858. Men's, Women's, and Children's Textile Outerwear and Underwear—Namely, Polo Shirts, Turtle-Neck Shirts, Basque Shirts, and Other T-Shirts. Albee Mfg. Co., Chicago, Ill.
Filed May 28, 1949, Serial No. 579,649. Published Feb. 13, 1951. Class 39.
- 569,859. Bodies for Garbage and Refuse Hauling Trucks. Gar Wood Industries, Inc., Wayne, Mich.
Filed July 8, 1949, Serial No. 581,661. Published Sept. 16, 1952. Class 19.
- 569,860. Men's and Boys' Outer Shirts. Harris Smith, Inc., New York, N. Y.
Filed July 28, 1949, Serial No. 582,622. Published Sept. 2, 1952. Class 39.
- 569,861. Well Tools—Namely, Hooks, Elevators, Links, Tonges, Etc. Byron Jackson Co., Los Angeles, Calif.
Filed Aug. 1, 1949, Serial No. 582,787. Published Sept. 2, 1952. Class 23.

- 569,862. Bicycles, Baby Carriages, Strollers, and Automobile Slip Covers. Mercantile Stores Company, Inc., Wilmington, Del.
Filed Aug. 20, 1949, Serial No. 583,765. Published Sept. 23, 1952. Class 19.
- 569,863. Loom Supplies—Namely, Lug Straps, Sweepsticks, Drop Box Pickers, Etc. The Bullard Clark Company, Danielson, Conn.
Filed Sept. 3, 1949, Serial No. 584,440. Published Oct. 7, 1952. Class 23.
- 569,864. Motor Cycles and Structural Parts Thereof. Triumph Engineering Company Limited, Coventry and Allesley, Coventry, England.
Priority under Sec. 44(d). British Registration No. 681,179, filed July 20, 1949.
Filed Sept. 7, 1949, Serial No. 584,339. Published Sept. 16, 1952. Class 19.
- 569,865. Motorcycles and Lamp Brackets. Officine Elettromeccaniche Pugliesi & C., Ferrara, Italy.
Filed Oct. 11, 1949, Serial No. 586,103. Published Sept. 16, 1952. Class 19.
- 569,866. Laundry Washing Compound and Detergent Builder. Wyandotte Chemicals Corporation, Wyandotte, Mich.
Filed Nov. 5, 1949, Serial No. 587,411. Published Nov. 4, 1952. Class 32.
- 569,867. Floor and Wall Tile Made of Rubber. David E. Kennedy, Inc., Brooklyn, N. Y., now by change of name Kentile, Inc.
Filed Dec. 13, 1949, Serial No. 589,260. Published Oct. 14, 1952. Class 12.
- 569,868. Bicycles, Motor-Bicycles, Tricycles for Adults, and Carrier Tricycles and Structural Parts Thereof—Namely, Frames, Wheels, Saddles, Handle Bars, Pedals, Brakes, Chain-Guards, Mudguards, and Forks. Raleigh Industries Limited, Nottingham, England.
Filed Dec. 17, 1949, Serial No. 589,530. Published Sept. 23, 1952. Class 19.
- 569,869. Pitch, Tar, Resin, Asphaltic and Tarry Material for Compounding Rubber and Saturating Fabrics, and Asphalt. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Jan. 18, 1950, Serial No. 591,010. Published Nov. 11, 1952. Class 1.
- 569,870. Dance Floor Wax, a Composition Comprising Wax and a Grain Meal. J. C. Paul & Company, Chicago, Ill.
Filed Jan. 21, 1950, Serial No. 591,251. Published Nov. 11, 1952. Class 4.
- 569,871. Printed Name Tags in Roll and Cut to Size Formed With an Adhesive, Heat-Sensitive Backing. Transparent Products Co., Inc., New York, N. Y.
Filed Jan. 23, 1950, Serial No. 591,324. Published Nov. 4, 1952. Class 38.
- 569,872. Shades for Doors and Windows of Automotive Vehicles. Auto Ventshade Company, Atlanta, Ga.
Filed Feb. 11, 1950, Serial No. 592,297. Published Sept. 16, 1952. Class 19.
- 569,873. Lingerie—Namely, Garter Belts, Panties, Slips, Gowns, Bed Jackets, Robes, and Negligees; Blouses, Foundation Garments; Sportswear—Namely, Halsters, Swim Suits; Scarfs; and Hats. The Stork Shop, Inc., Memphis, Tenn.
Filed Feb. 16, 1950, Serial No. 592,582. Published Oct. 28, 1952. Class 39.
- 569,874. Laundry Starch. Clinton Foods Inc., Clinton, Iowa.
Filed Feb. 27, 1950, Serial No. 593,108. Published Nov. 4, 1952. Class 6.
- 569,875. Men's and Boys' Dress, Sport, and Work Clothing and Parts Thereof—Namely, Outer Dress Shirts, Outer Sport Shirts, Outer Work Shirts, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 9, 1950, Serial No. 593,083. Published Sept. 23, 1952. Class 39.
- 569,876. Children's Riding and Walking Vehicle in the Nature of a Three-Wheeled Scooter. Laron I. Powell, Denver, Colo.
Filed Apr. 10, 1950, Serial No. 595,512. Published Nov. 11, 1952. Class 22.
- 569,877. Grooved Phonograph Records. Turlicaphon A. G., Uster, Canton of Zurich, Switzerland.
Priority under Sec. 44(d). Swiss Registration No. 130,650, filed Sept. 28, 1949.
Filed Mar. 25, 1950, Serial No. 594,675. Published Nov. 11, 1952. Class 36.
- 569,878. Cigarettes. Bell Virginia Corporation, New York, N. Y., assignor to Frank V. Riggio, Brightwaters, N. Y.
Filed May 2, 1950, Serial No. 596,707. Published Nov. 4, 1952. Class 17.
- 569,879. Service Station Equipment—Namely, Gasoline and Fuel Pumps, Lubricating Oil and Grease Pumps, Air Compressors, Gasoline and Fuel Truck Fill Stands (Pumps), and Parts Thereof. Erie Meter Systems, Incorporated, Erie, Pa.
Filed May 2, 1950, Serial No. 596,721. Published Aug. 19, 1952. Class 23.
- 569,880. Cleaning Preparation in Powdered Form Having Disinfectant Properties and Used for Cleaning Milk Cans, Short Time Pasteurizers, Floors, and Sanitary Equipment. Alfred E. Harriman, doing business as Harriman Products Co., Los Angeles, Calif.
Filed May 4, 1950, Serial No. 596,844. Published Nov. 4, 1952. Class 32.
- 569,881. Neckties and Cravats. Schoenfeld Neckwear Company, Inc., Seattle, Wash.
Filed May 23, 1950, Serial No. 597,979. Published Sept. 23, 1952. Class 39.
- 569,882. Medicine for the Treatment of Obstruction (Constiveness), of Affections of the Respiratory Tract, of Broncho-Pulmonary Affections, and of Affections of the Urinary Tract. Sofia del Huerto Razon, doing business under the name of Laboratorios Busto, Madrid, Spain.
Filed May 25, 1950, Serial No. 598,114. Published Oct. 14, 1952. Class 18.
- 569,883. Ointment Intended for the Treatment of Acne. John L. Scala, doing business as Vall Pharmaceutical Company, Union, N. J., assignor to Vall Pharmaceutical Co., Inc., Union Township, N. J., a corporation of New Jersey.
Filed July 1, 1950, Serial No. 600,148. Published Oct. 14, 1952. Class 18.
- 569,884. Wood Base Cementitious Material for Patching, Filling, and Repairing Wood. Wall-Lundberg & Company, Portland, Oreg.
Filed June 30, 1950, Serial No. 600,160. Published Oct. 14, 1952. Class 12.
- 569,885. Antibiotic Anesthetic Throat Lozenges. Foley & Company, Chicago, Ill.
Filed July 18, 1950, Serial No. 600,826. Published Oct. 28, 1952. Class 18.
- 569,886. Brassieres. Peter Pan Foundations, Inc., New York, N. Y.
Filed July 26, 1950, Serial No. 601,279. Published June 5, 1951. Class 39.
- 569,887. Expanded and Veiculated Volcanic Glass—Namely, Perlite, as an Additive to Cement for Oil Well Cementing. Great Lakes Carbon Corporation, New York, N. Y.
Filed Aug. 21, 1950, Serial No. 602,506. Published Oct. 14, 1952. Class 12.

- 569,888. Hollow Non-Inflatable Rubber Tires. Henry W. Churchman, Wichita, Kans.
Filed Sept. 15, 1950, Serial No. 603,571. Published Nov. 11, 1952. Class 35.
- 569,889. Household Paper Supplies—Namely, Waxed Paper, Etc. Charles L. Rubinstein, doing business as Ruby Products Co., Milwaukee, Wis.
Filed Sept. 27, 1950, Serial No. 604,106. Published Oct. 28, 1952. Class 37.
- 569,890. Inflatable Devices for Bathing or Swimming Suits. Solar-Tan Company, Inc., Yonkers, N. Y.
Filed Sept. 30, 1950, Serial No. 604,278. Published Nov. 11, 1952. Class 22.
- 569,891. Chemical Compound Used for Removing Carbon and Residue From the Combustion Chamber and Cylinder Walls of Internal Combustion Engines After First Being Induced Therein and Ignited. Edward Faulkner, doing business under the firm name of Edward Faulkner and Associates, Los Angeles, Calif.
Original filed, act of 1946, Supplemental Register, Oct. 5, 1950; amended to application, Principal Register, Aug. 6, 1951, Serial No. 604,473. Published Nov. 4, 1952. Class 52.
- 569,892. Bicycles, Motor-Bicycles, Tricycles for Adults, and Their Parts. Rudge-Whitworth Limited, Nottingham, England.
Filed Nov. 10, 1950, Serial No. 606,238. Published Sept. 23, 1952. Class 19.
- 569,893. Trypsin for Use as a Drug. Armour and Company, Chicago, Ill.
Filed Nov. 13, 1950, Serial No. 606,254. Published Oct. 28, 1952. Class 18.
- 569,894. Comic Drawings, Published in Daily and Sunday Newspapers. United Feature Syndicate, Inc., New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,500. Published Nov. 11, 1952. Class 38.
- 569,895. Automotive and Industrial Brake Lining. Brake Lining Supply Co., Inc., Boston, Mass.
Filed Mar. 30, 1951, Serial No. 612,000. Published Nov. 11, 1952. Class 35.
- 569,896. Tablets Taken Internally, as by Dissolving in the Mouth for Refreshing the Breath. Baray Pharmaceutical Corporation, Brooklyn, N. Y.
Filed Apr. 6, 1951, Serial No. 612,296. Published Oct. 7, 1952. Class 18.
- 569,897. Baseball Clothing—Namely, Shirts, Pants, Etc. Southern Athletic Supply Company, Incorporated, Richmond, Va.
Filed Apr. 14, 1951, Serial No. 612,669. Published Nov. 4, 1952. Class 39.
- 569,898. Misses', Women's, and Children's Dresses, Playsuits, Etc. Straus, Royer & Straus, Inc., Baltimore, Md.
Filed May 18, 1951, Serial No. 614,067. Published Nov. 4, 1952. Class 39.
- 569,899. Men's Suits Consisting of Coats, Pants, and Vests, and Overcoats and Topcoats. Hart, Schaffner & Marx, Chicago, Ill.
Filed May 21, 1951, Serial No. 614,146. Published Sept. 23, 1952. Class 39.
- 569,900. Ladies' and Misses' Hats. Goldstein Millinery Company, Chicago, Ill.
Filed May 31, 1951, Serial No. 614,552. Published Sept. 2, 1952. Class 39.
- 569,901. Ladies' Hats and Particularly for Women's and Misses' Sport Hats. Goldstein Millinery Company, Chicago, Ill.
Filed May 31, 1951, Serial No. 615,114. Published Sept. 23, 1952. Class 39.
- 569,902. Women's and Misses' Bathing Suits, Slacks, Housers, Stockings, Scarfs, Hostess Gowns, Evening Gowns, Belts for Personal Wear, Suits, Sweaters, Gloves and Slippers Made of Fabric or Leather and Combinations Thereof, and Men's Neckties. Grete Koesling, New York, N. Y., assignor to Your Birth-Sign, Inc., New York, N. Y., a corporation of New York.
Filed June 13, 1951, Serial No. 615,122. Published Sept. 2, 1952. Class 30.
- 569,903. Roll-Type Window Shades and Venetian Blinds. Independent Window Shade Manufacturing Co., Inc., New York, N. Y.
Filed June 15, 1951, Serial No. 615,223. Published Nov. 4, 1952. Class 32.
- 569,904. Weather Strip Structure for Automobile Door Windows. Clarence M. Shapiro, Chicago, Ill.
Filed June 16, 1951, Serial No. 615,291. Published Sept. 23, 1952. Class 19.
- 569,905. Glazed Faring Material Composed of Cement and Carefully Graduated Aggregate. Horace A. Reeves, Ardmore, Pa.
Filed June 18, 1951, Serial No. 615,341. Published Nov. 4, 1952. Class 12.
- 569,906. Air Brakes, Hydraulic Brakes, and Electro-Pneumatic Brakes Each for Use on Vehicles. The New York Air Brake Company, Watertown and New York, N. Y.
Filed June 19, 1951, Serial No. 615,396. Published Sept. 16, 1952. Class 19.
- 569,907. Electrically Actuated Valves and Parts Thereof and Pressure-Actuated Electric Switches. The New York Air Brake Company, Watertown and New York, N. Y.
Filed June 19, 1951, Serial No. 615,397. Published Oct. 21, 1952. Class 21.
- 569,908. Rubbing Alcohol Compound. Zygmunt Gadamaki, Jersey City, N. J.
Filed Nov. 22, 1950, Serial No. 606,781. Published Oct. 14, 1952. Class 18.
- 569,909. Brazil Nuts. Brazil Nut Association, New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,001. COLLECTIVE MARK. Published Sept. 16, 1952. Class 40.
- 569,910. Medication for Internal Use in the Relief of Functional Dysmenorrhea. David Hillman, doing business as Hillman Pharmaceutical Co., Chicago, Ill.
Filed Nov. 28, 1950, Serial No. 607,021. Published Oct. 7, 1952. Class 18.
- 569,911. Men's Neckties and Scarves. Dominique France, Inc., New York, N. Y.
Filed Dec. 16, 1950, Serial No. 607,743. Published Sept. 23, 1952. Class 30.
- 569,912. Meats—Namely, Sliced Bacon and Skinned Tender Ham. Dietz Meats, Inc., San Francisco, Calif.
Filed Dec. 18, 1950, Serial No. 607,802. Published Nov. 11, 1952. Class 46.
- 569,913. Medicated Hospital Lotion, More Particularly a Soothing and Cooling, Non-Alcoholic, Body Rub Especially Designed for Hospital Use. Will Ross, Inc., Milwaukee, Wis.
Filed Dec. 26, 1950, Serial No. 608,084. Published Oct. 7, 1952. Class 18.
- 569,914. Phonographs, Phonograph Tone Arms, Phonograph Needles, Phonograph Pick-Ups. Saul J. Karns, doing business under the name of Samco Products Co., New York, N. Y.
Filed Jan. 4, 1951, Serial No. 608,360. Published Nov. 11, 1952. Class 36.
- 569,915. Mine Cars and for the Trucks and Wheels Forming a Part Thereof. The C. S. Card Iron Works Co., Denver, Colo.
Filed Dec. 18, 1950, Serial No. 608,400. Published Sept. 23, 1952. Class 19.

- 569,916. Tablet for Control of Pain of Neuralgic Type, in Certain Types of Headaches, Pains Accompanying Fever, and as an Antipyretic. Allied Laboratories, Inc., Kansas City, Mo.
Filed Jan. 18, 1951, Serial No. 608,908. Published Oct. 7, 1952. Class 18.
- 569,917. Antibiotic Anesthetic Throat Lozenges. Foley & Company, Chicago, Ill.
Filed Jan. 20, 1951, Serial No. 609,033. Published Oct. 28, 1952. Class 18.
- 569,918. Shampoo. Maybert Corporation, New York, N. Y.
Filed Jan. 22, 1951, Serial No. 609,094. Published Nov. 4, 1952. Class 52.
- 569,919. Frames for Holding Printing Plates for Use in Printing Machines. Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed Jan. 26, 1951, Serial No. 609,209. Published Oct. 28, 1952. Class 23.
- 569,920. Newspaper Column. Associated Release Service, commonly known as A S R Releases, Chicago, Ill.
Filed Feb. 6, 1951, Serial No. 609,673. Published Dec. 18, 1951. Class 38.
- 569,921. Dolls. William Rothstein, doing business under the name of Arranbee Doll Co., New York, N. Y.
Filed Mar. 28, 1951, Serial No. 611,917. Published Nov. 11, 1952. Class 22.
- 569,922. Iron and Stomachic Tonic and Dietary Supplement Preparation. Pierce's Proprietaries, Inc., Buffalo, N. Y.
Filed Mar. 29, 1951, Serial No. 611,972. Published Oct. 7, 1952. Class 18.
- 569,923. Men's Hats, Caps, Dress Shirts, Sport Shirts, Pajamas, Shorts, Ties, and Handkerchiefs. John B. Stetson Company, Philadelphia, Pa.
Filed June 27, 1951, Serial No. 615,802. Published Sept. 23, 1952. Class 39.
- 569,924. Antibiotic. Bristol Laboratories Inc., New York and Syracuse, N. Y.
Filed June 28, 1951, Serial No. 615,813. Published Oct. 14, 1952. Class 18.
- 569,925. Antibiotics. Bristol Laboratories Inc., New York and Syracuse, N. Y.
Filed June 28, 1951, Serial No. 615,814. Published Oct. 14, 1952. Class 18.
- 569,926. Automotive Vehicles and More Particularly Passenger Automobiles. Packard Motor Car Company, Detroit, Mich.
Filed July 10, 1951, Serial No. 616,299. Published Sept. 23, 1952. Class 19.
- 569,927. Skin Ointment. Vitacreme Products Company, Oakmont, Pa.
Filed July 10, 1951, Serial No. 616,306. Published Oct. 14, 1952. Class 18.
- 569,928. Pastes for Mounting Wall Paper, for Libraries and for Joining the Ends of Labels of Cans, and Heat-Liquefiable Cements for Attaching Labels to Cans. The P. O. Findley Company, Milwaukee, Wis.
Filed July 21, 1951, Serial No. 616,765. Published Nov. 11, 1952. Class 5.
- 569,929. Pencils. Jerusalem Pencils Limited, Benel-Brag, near Tel-Aviv, Israel.
Priority under Sec. 44(d). Israeli Registration No. 11,331, filed Feb. 2, 1951.
Filed July 27, 1951, Serial No. 617,033. Published Oct. 28, 1952. Class 37.
- 569,930. Motor Cars, Chassis, and Structural Parts Thereof. Singer Motors Limited, Coventry, England.
Filed Aug. 1, 1951, Serial No. 617,216. Published Sept. 23, 1952. Class 19.
- 569,931. Fire Detecting Apparatus Comprising a Set of Conduits Leading From Protected Compartments or Spaces to a Centrally Located Terminal Observation Cabinet, a Fan for Drawing Smoke From Fire in Any of the Compartments or Spaces to the Cabinet for Visual Observation. Walter Kidde & Company, Inc., Belleville, N. J.
Filed Aug. 3, 1951, Serial No. 617,298. Published Sept. 2, 1952. Class 23.
- 569,932. King Bolt Sets, Tie Rods, Drag Links, and Spring Shackles. Lindeteves Inc., New York, N. Y.
Filed Aug. 9, 1951, Serial No. 617,504. Published Sept. 16, 1952. Class 19.
- 569,933. King Bolt Sets, Tie Rods, Drag Links, and Spring Shackles. Lindeteves Inc., New York, N. Y.
Filed Aug. 9, 1951, Serial No. 617,506. Published Sept. 16, 1952. Class 19.
- 569,934. Pharmaceutical Preparation—Namely, a Medicinal Liniment for External Use in Treating Human Ailments, Etc. Barbara Wirth, doing business as The Rheumatol Company, Davenport, Iowa, assignor to Roscoe W. Warner, Davenport, Iowa, and Melvin L. Vance, Mount Vernon, Ind.
Filed Aug. 9, 1951, Serial No. 617,521. Published Oct. 14, 1952. Class 18.
- 569,935. Traffic Light Indicators of the Refraction Type Adapted To Be Mounted on the Dash Cowl of an Automotive Vehicle. Apollo Ad Service, Inc., York, Pa.
Filed Aug. 17, 1951, Serial No. 617,780. Published Sept. 10, 1952. Class 19.
- 569,936. How Ties and Necktie Bands. Milo S. Goldenberg & Co., New York, N. Y.
Filed Aug. 21, 1951, Serial No. 617,912. Published Sept. 23, 1952. Class 39.
- 569,937. Cement Building Blocks. Emil Gornieb, Egg Harbor, N. J.
Filed Sept. 3, 1951, Serial No. 618,393. Published Oct. 14, 1952. Class 12.
- 569,938. Synthetic Detergent in Powder Form. Virginia-Carolina Chemical Corporation, Richmond, Va.
Filed Sept. 3, 1951, Serial No. 618,419. Published Nov. 11, 1952. Class 32.
- 569,939. Synthetic Detergent in Powder Form. Virginia-Carolina Chemical Corporation, Richmond, Va.
Filed Sept. 3, 1951, Serial No. 618,420. Published Nov. 11, 1952. Class 32.
- 569,940. Synthetic Detergent in Powder Form. Virginia-Carolina Chemical Corporation, Richmond, Va.
Filed Sept. 3, 1951, Serial No. 618,423. Published Nov. 11, 1952. Class 32.
- 569,941. Directory Published Annually. Educational Directories, Inc., Chicago, Ill.
Filed Sept. 7, 1951, Serial No. 618,468. Published Nov. 11, 1952. Class 38.
- 569,942. Saturated Asbestos Pipe Line Felt. Alfred O. Mickelson, doing business under the name and style of The Bestar Co., Houston, Tex.
Filed Sept. 11, 1951, Serial No. 618,647. Published Nov. 4, 1952. Class 12.
- 569,943. Saturated Asbestos Pipe Line Felt. Alfred O. Mickelson, doing business under the name and style of The Bestar Co., Houston, Tex.
Filed Sept. 11, 1951, Serial No. 618,648. Published Nov. 4, 1952. Class 12.
- 569,944. Furniture—Namely, Beds, Dressers, Bureaus, Vanities, Bedside Tables, Chaise Longues, Chairs, Dining Room Tables, Buffets, Servers, China Closets, Sofas, Cocktail Tables, and Lamp Tables. C. A. Blsman Manufacturing Company, Springfield, Mo.
Filed Sept. 24, 1951, Serial No. 619,133. Published Nov. 4, 1952. Class 32.

- 569,945. Buffered Acidic Solution Indicated in the Treatment of Trichomonas, Etc. Kip, Aldrich & Co., Inc., Mineola, N. Y.
Filed Sept. 25, 1951, Serial No. 619,204. Published Oct. 14, 1952. Class 18.
- 569,946. Funnels and Chimneys for Ships and Railway Locomotives. Société des Forges & Chantiers de la Méditerranée, Paris, France.
Filed Sept. 28, 1951, Serial No. 619,369. Published Sept. 23, 1952. Class 19.
- 569,947. Binoculars. Overseas Finance & Trading Company, Inc., San Francisco, Calif.
Filed Sept. 29, 1951, Serial No. 619,403. Published Oct. 28, 1952. Class 26.
- 569,948. Photographic Lenses. Overseas Finance & Trading Company Inc., San Francisco, Calif.
Filed Sept. 29, 1951, Serial No. 619,404. Published Oct. 28, 1952. Class 26.
- 569,949. Cameras. Overseas Finance & Trading Company Inc., San Francisco, Calif.
Filed Sept. 29, 1951, Serial No. 619,405. Published Oct. 28, 1952. Class 26.
- 569,950. Covers for Automobile Cushions, Seats, and Seat Backs. The S. E. Hyman Company, Fremont, Ohio.
Filed Oct. 4, 1951, Serial No. 619,574. Published Sept. 16, 1952. Class 19.
- 569,951. Furniture—Namely, Bedroom, Dining Room, Living Room, Occasional Pieces, and Chairs. Hooker Furniture Corporation, Martinsville, Va.
Filed Oct. 5, 1951, Serial No. 619,622. Published Nov. 4, 1952. Class 32.
- 569,952. Rear Vision Mirrors for Automotive Vehicles. The Skylark Automotive Corporation, Culver City, Calif.
Filed Oct. 9, 1951, Serial No. 619,684. Published Sept. 23, 1952. Class 10.
- 569,953. Medicinal Preparation—Namely, Tablets of Pyrimidine Bromtheophyllinate. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Oct. 8, 1951, Serial No. 619,711. Published Oct. 21, 1952. Class 18.
- 569,954. Rubber Gloves for Household Use, Knee and Leg Protectors of Rubber, Etc. Helsingborgs Gummitfabrika Aktiebolag, Helsingborg, Sweden.
Filed Oct. 9, 1951, Serial No. 619,754. Published Nov. 4, 1952. Class 39.
- 569,955. Juniors' and Misses' Dresses. Jerry Greenwald, Inc., New York, N. Y.
Filed Oct. 19, 1951, Serial No. 620,209. Published Nov. 4, 1952. Class 39.
- 569,956. Bicycle and Motorcycle Parts, Particularly Spokes and Nipples. N. V. Lemet Industrie, Hilversum, Netherlands.
Filed Oct. 19, 1951, Serial No. 620,224. Published Sept. 16, 1952. Class 19.
- 569,957. Insecticides, Fungicides, and Parasiticides. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed Oct. 23, 1951, Serial No. 620,338. Published Nov. 11, 1952. Class 6.
- 569,958. Insecticides, Fungicides, and Parasiticides. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed Oct. 23, 1951, Serial No. 620,339. Published Nov. 11, 1952. Class 6.
- 569,959. Insecticides, Fungicides, and Parasiticides. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed Oct. 23, 1951, Serial No. 620,340. Published Nov. 11, 1952. Class 6.
- 569,960. Fur Garments—Namely, Capes, and Stoles. Paul L. Relphardt, Burlington, Wis.
Filed Oct. 23, 1951, Serial No. 620,363. Published Sept. 2, 1952. Class 39.
- 569,961. Type Metal. Metals Refining Company Inc., Hammond, Ind., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey.
Filed Oct. 24, 1951, Serial No. 620,428. Published Oct. 28, 1952. Class 14.
- 569,962. Replaceable Cutting Tool Bits Adapted To Be Utilized in Combination With Mining Machine Chain Link. The Bowditch Company, Canton, Ohio.
Filed Oct. 25, 1951, Serial No. 620,457. Published Oct. 28, 1952. Class 23.
- 569,963. Delivery Truck Bodies. Ben-Boy Company, Seattle, Wash.
Filed Oct. 29, 1951, Serial No. 620,586. Published Sept. 23, 1952. Class 19.
- 569,964. Liquid Fuel Pumps and Water Circulating Pumps. Petroleum Heat and Power Company, Stamford, Conn., assignor, by mesne assignments, to Iron Fireman Manufacturing Company, Cleveland, Ohio, a corporation of Oregon.
Filed Nov. 3, 1951, Serial No. 620,857. Published Oct. 28, 1952. Class 23.
- 569,965. Motor Cars, Motorcycles, Tricycles, Bicycles, and Parts Thereof. "Motom" Société à Responsabilité Limitée Zurich, Zurich, Switzerland.
Filed Nov. 5, 1951, Serial No. 620,897. Published Sept. 16, 1952. Class 19.
- 569,966. Braids, Shoe and Belt Buckles, Buttons, Comb and Hand Mirror Sets, Etc. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif.
Filed Nov. 7, 1951, Serial No. 620,960. Published Oct. 21, 1952. Class 40.
- 569,967. Tool Bits, Angle Plates, V-Blocks, Hack-Saw Frames, Fret Saws, Coping Saws, Pin Chucks, Pin Vices, Automatic Centre-Punches, Scribes, Tap Wrenches, Screwdrivers, and Instrument Vices. James Neill & Co. (Sheffield) Limited, Sheffield, England.
Filed Nov. 9, 1951, Serial No. 621,064. Published Oct. 28, 1952. Class 23.
- 569,968. Anti-Bacterial Preparations for Use in the Systemic and/or Local Treatment of Infections. Eaton Laboratories Inc., Norwich, N. Y.
Filed Nov. 21, 1951, Serial No. 621,508. Published Oct. 14, 1952. Class 18.
- 569,969. Building Tile Used for Interiors and Exteriors for Floors, Walls, and Decorative Purposes. Ceratle Corporation, Paramount, Calif.
Filed Nov. 27, 1951, Serial No. 621,703. Published Nov. 4, 1952. Class 12.
- 569,970. CONSOLIDATED CERTIFICATE. Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y.
Electric Motors, Electric Generators, Electric Fans, Electric Air Circulators, Etc. Filed Nov. 30, 1951, Serial No. 621,872. Published Oct. 28, 1952. Class 21.
Electric Bench Grinders. Filed Nov. 30, 1951, Serial No. 621,873. Published July 1, 1952. Class 23.
Exhaust Fans. Filed Nov. 30, 1951, Serial No. 621,871. Published May 13, 1952. Class 34.
- 569,971. Hair Shampoo. Sulfur-8 Chemical Co., Inc., Brooklyn, N. Y.
Filed Nov. 30, 1951, Serial No. 621,918. Published Nov. 4, 1952. Class 52.
- 569,972. Preparation for the Treatment of Colds. Zerbst Pharmacal Company, Inc., St. Joseph, Mo.
Filed Nov. 30, 1951, Serial No. 621,930. Published Oct. 28, 1952. Class 18.
- 569,973. Medicinal Vitamin Preparation. American Cyanamid Company, New York, N. Y.
Filed Dec. 8, 1951, Serial No. 622,244. Published Oct. 28, 1952. Class 18.

- 569,974. Shampoo. Armour and Company, Chicago, Ill. Filed Dec. 17, 1951, Serial No. 622,575. Published Nov. 4, 1952. Class 32.
- 569,975. Men's and Boys' Overalls, Dungarees, Outer Shirts, Jackets, and Work Coats, Jeans for Girls and Misses. Blue Bell, Inc., Greensboro, N. C. Filed Dec. 20, 1951, Serial No. 622,983. Published Sept. 2, 1952. Class 30.
- 569,976. Men's and Boys' Overalls, Dungarees, and Outer Shirts. Blue Bell, Inc., Greensboro, N. C. Filed Dec. 20, 1951, Serial No. 622,987. Published Sept. 2, 1952. Class 30.
- 569,977. Fur Garments—Namely, Capes and Stoles. American Fox Breeders Association, Burlington, Wis. Filed Jan. 2, 1952, Serial No. 623,036. Published Sept. 23, 1952. Class 39.
- 569,978. Embroidered Edgings. Fruit of the Loom, Inc., Providence, R. I. Filed Jan. 3, 1952, Serial No. 623,136. Published Oct. 21, 1952. Class 40.
- 569,979. Periodical Published Monthly. The Professional Golfers' Association of America, Chicago, Ill. Filed Jan. 3, 1952, Serial No. 623,155. Published Nov. 4, 1952. Class 38.
- 569,980. Trusses. Watkins Surgical Corp., New York, N. Y. Filed Jan. 3, 1952, Serial No. 623,170. Published Nov. 4, 1952. Class 44.
- 569,981. Hydraulic Shock Absorbers for Motor Vehicles. Chrysler Corporation, Highland Park, Mich. Filed Jan. 9, 1952, Serial No. 623,330. Published Sept. 16, 1952. Class 10.
- 569,982. Plant and Bunching Ties for Plants and Vegetables, Comprising a Flexible Core Enclosed in a Ribbon of Polyvinyl Chloride or Like Flexible Material. Plas-Ties Company, Santa Ana, Calif. Filed Jan. 12, 1952, Serial No. 623,519. Published Oct. 28, 1952. Class 7.
- 569,983. Low Sodium, Low Fat Food, for Use as a Dietary Supplement. Wyeth Incorporated, Philadelphia, Pa. Filed Jan. 12, 1952, Serial No. 623,523. Published Oct. 28, 1952. Class 18.
- 569,984. Ovicides and Miticides. California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Filed Jan. 17, 1952, Serial No. 623,706. Published Oct. 28, 1952. Class 6.
- 569,985. Women's Dresses. Bristol-Myers Company, New York, N. Y. Filed Jan. 24, 1952, Serial No. 624,021. Published Nov. 4, 1952. Class 39.
- 569,986. Preparation for the Treatment of Piles. John Helsele, St. Louis, Mo. Filed Jan. 25, 1952, Serial No. 624,085. Published Oct. 28, 1952. Class 18.
- 569,987. Men's, Ladies', and Children's Hats. Texas Harvest Hat Company, Laredo, Tex. Filed Jan. 28, 1952, Serial No. 624,215. Published Sept. 2, 1952. Class 39.
- 569,988. Fur Jackets, Stoles, and Holeros. Max Koch and Son, Inc., New York, N. Y. Filed Jan. 31, 1952, Serial No. 624,340. Published Sept. 2, 1952. Class 39.
- 569,989. Grooved Phonograph Records. Capitol Records, Inc., Los Angeles, Calif. Filed Feb. 7, 1952, Serial No. 624,630. Published Nov. 11, 1952. Class 30.
- 569,990. Freewheel Hubs, Freewheel Brake Hubs, and Freewheel Hubs With Gear Transmissions, and Repair Parts Therefor. Fichtel & Sachs Aktiengesellschaft, Schweinfurt-on-the-Main, Germany. Filed Aug. 8, 1951, Serial No. 624,718. Published Sept. 16, 1952. Class 19.
- 569,991. Display Cases for Nuts and the Like. The Kelling Nut Co., Chicago, Ill. Filed Feb. 20, 1952, Serial No. 625,276. Published Nov. 4, 1952. Class 32.
- 569,992. Display Cases for Nuts and the Like. The Kelling Nut Co., Chicago, Ill. Filed Feb. 20, 1952, Serial No. 625,277. Published Nov. 4, 1952. Class 32.
- 569,993. Coal. Woodruff Coal Company, Kalamazoo, Mich. Filed Feb. 27, 1952, Serial No. 625,049. Published Nov. 4, 1952. Class 1.
- 569,994. Portable and Stationary Belt Conveyors, Etc. Barber-Greene Company, Aurora, Ill. Filed Feb. 28, 1952, Serial No. 625,952. Published Sept. 23, 1952. Class 23.
- 569,995. Leather. Creese and Cook Company, Danvers, Mass. Filed Mar. 10, 1952, Serial No. 626,198. Published Nov. 4, 1952. Class 1.
- 569,996. Leather. The Griles-Pfeiffer Tanning Co., Waukegan, Ill. Filed Mar. 11, 1952, Serial No. 626,245. Published Nov. 4, 1952. Class 1.
- 569,997. Molded Shredded Latex Foam Rubber Sheets, Blocks, or Pieces. Hudson Foam Latex Fabricators, Inc., Yonkers, N. Y. Filed Mar. 13, 1952, Serial No. 626,379. Published Nov. 4, 1952. Class 1.
- 569,998. Puzzle Feature in a Monthly Publication. Omnibook, Inc., New York, N. Y. Filed Mar. 14, 1952, Serial No. 626,468. Published Nov. 4, 1952. Class 38.
- 569,999. Women's Apparel—Namely, Panties, Briefs, Vests, Chemises, Slips, Underskirts, Bandeaux, Brasieres, Nightgowns, Sleeping Pajamas, Lounging Robes, Negligees, Lounging Pajamas, and Bed Jackets. Vanity Fair Mills, Inc., Reading, Pa. Filed Mar. 18, 1952, Serial No. 626,649. Published Oct. 28, 1952. Class 39.
- 570,000. Paper Napkins. Ace Art Company, Reading, Mass. Filed Mar. 19, 1952, Serial No. 626,051. Published Oct. 28, 1952. Class 37.
- 570,001. Pan Cleaner. C. J. Patterson Company, Kansas City, Mo. Filed Mar. 20, 1952, Serial No. 626,744. Published Nov. 4, 1952. Class 52.
- 570,002. Men's and Boys' Overalls, Dungarees, and Outer Shirts. Blue Bell, Inc., Greensboro, N. C. Filed Dec. 20, 1951, Serial No. 622,988. Published Sept. 2, 1952. Class 39.
- 570,003. Ladies' and Misses' Dresses, Slacks, Outer Shorts, Blouses, Jumpers, Suits, Sun Suits, Sun Dresses, and Playsuits. Jamison Classics, Inc., New York, N. Y. Filed Dec. 29, 1951, Serial No. 622,908. Published Nov. 4, 1952. Class 39.
- 570,004. Master Paper for Duplicating Machines. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed Mar. 22, 1952, Serial No. 626,845. Published Oct. 28, 1952. Class 37.
- 570,005. Hand Operated Compression Sprayers Used To Atomize Fly Oils, Soluble Insecticides, Fungicides, Weed Killers; Also Used To Spray Deodorants, and Light to Heavy Sediment-Free Liquid. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed Mar. 22, 1952, Serial No. 626,887. Published Oct. 28, 1952. Class 23.
- 570,006. Flexible Machinery Couplings. Thomas Flexible Coupling Company, Warren, Pa. Filed Mar. 24, 1952, Serial No. 626,969. Published Oct. 28, 1952. Class 23.

- 570,007. Machine Knives and Shears, and Saw Bits. Simonda Saw and Steel Company, Fitchburg, Mass. Filed Mar. 25, 1952, Serial No. 627,014. Published Oct. 28, 1952. Class 23.
- 570,008. Leather in the Piece for Shoe Uppers. Eagle-Flagg Tanning Corporation, New York, N. Y. Filed Mar. 26, 1952, Serial No. 627,031. Published Nov. 4, 1952. Class 1.
- 570,009. Toilet Tissue. Ashland Paper Mills, Inc., Ashland, N. H. Filed Mar. 27, 1952, Serial No. 627,109. Published Oct. 28, 1952. Class 37.
- 570,010. Rock Drills. Holman Brothers Limited, Cambridge, England. Filed Mar. 27, 1952, Serial No. 627,131. Published Oct. 28, 1952. Class 23.
- 570,011. Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill. Filed Mar. 29, 1952, Serial No. 627,249. Published Oct. 28, 1952. Class 39.
- 570,012. Cordage Fiber. C. A. Daugherty Cordage Mill, Los Dos Caminos, Estado Miranda, Venezuela. Filed Apr. 1, 1952, Serial No. 627,384. Published Nov. 4, 1952. Class 1.
- 570,013. Mattresses, Box Springs, and Bed Bolsters, Excluding Rubber Mattresses. King Karpen Company, Alhambra, Calif., now by change of name Aireloom Bedding Company. Filed May 2, 1952, Serial No. 628,022. Published July 8, 1952. Class 32.
- 570,014. Photo Prints. Charles Scharf, doing business as Bell Photos, Englewood, N. J., and New York, N. Y. Filed Apr. 16, 1952, Serial No. 628,171. Published Nov. 4, 1952. Class 38.
- 570,015. Door Locks and Latches. Sargent & Company, New Haven, Conn. Filed Apr. 17, 1952, Serial No. 628,222. Published Nov. 11, 1952. Class 25.
- 570,016. Thread. Groves Thread Company, Inc., Gastonia, N. C. Filed Mar. 31, 1952, Serial No. 628,322. Published Oct. 28, 1952. Class 43.
- 570,017. Thread. Groves Thread Company, Inc., Gastonia, N. C. Filed Mar. 31, 1952, Serial No. 628,323. Published Oct. 28, 1952. Class 43.
- 570,018. Yarn. Green & Hopson, Worcester, Mass. Filed Apr. 23, 1952, Serial No. 628,533. Published Nov. 4, 1952. Class 43.
- 570,019. Periodical. Ideal Publishing Corporation, New York, N. Y. Filed Apr. 29, 1952, Serial No. 628,858. Published Nov. 4, 1952. Class 38.
- 570,020. House Organ Type Monthly Publication. Advance Aluminum Castings Corp., Chicago, Ill. Filed Apr. 30, 1952, Serial No. 628,890. Published Nov. 4, 1952. Class 38.
- 570,021. Gloves Made of a Combination of Leather and Fabric. The Schafer Company, Inc., Decatur, Ind. Filed Apr. 30, 1952, Serial No. 628,961. Published Nov. 4, 1952. Class 39.
- 570,022. Storm Windows and Storm Doors. Challenger Products, Inc., Pittsburgh, Pa. Filed May 1, 1952, Serial No. 628,906. Published Nov. 4, 1952. Class 12.
- 570,023. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,044. Published Nov. 11, 1952. Class 52.
- 570,024. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,045. Published Nov. 11, 1952. Class 52.
- 570,025. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,046. Published Nov. 11, 1952. Class 52.
- 570,026. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,047. Published Nov. 11, 1952. Class 52.
- 570,027. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,048. Published Nov. 11, 1952. Class 52.
- 570,028. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,049. Published Nov. 11, 1952. Class 52.
- 570,029. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,050. Published Nov. 11, 1952. Class 52.
- 570,030. Soluble Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio. Filed May 1, 1952, Serial No. 629,051. Published Nov. 11, 1952. Class 52.
- 570,031. Doors. Curtis Companies Incorporated, Clinton, Iowa. Filed May 3, 1952, Serial No. 629,154. Published Nov. 4, 1952. Class 12.
- 570,032. Hard Fiberboard. Forest Fiber Products Company, Forest Grove, Ore. Filed May 5, 1952, Serial No. 629,195. Published Nov. 4, 1952. Class 12.
- 570,033. Fire Clay Bricks Used in the Construction of Boiler and Other Types of Industrial Furnaces. McLeod & Henry Company, Inc., Troy, N. Y. Filed May 7, 1952, Serial No. 629,307. Published Nov. 4, 1952. Class 12.
- 570,034. Synthetic Resinous Adhesives for Bonding Metals, Glass, Ceramics, Plastics, and/or Other Materials. Ciba Limited, Basel, Switzerland. Filed May 8, 1952, Serial No. 629,355. Published Nov. 11, 1952. Class 5.
- 570,035. Concrete Fence Posts. Joseph C. Wollard, Miami, Fla. Filed May 8, 1952, Serial No. 629,406. Published Nov. 4, 1952. Class 12.
- 570,036. Refractory Materials Suitable for Lining and Repairing of Furnaces. Basic Refractories, Incorporated, Cleveland, Ohio. Filed May 14, 1952, Serial No. 629,648. Published Nov. 4, 1952. Class 12.
- 570,037. Buildings, Structures, Structural Units and Pre-Fabricated and Pre-Cast Structural Units, Etc. Basalt Rock Company, Inc., Napa, Calif. Filed May 21, 1952, Serial No. 629,983. Published Nov. 4, 1952. Class 12.
- 570,038. Concrete Blocks With Simulated Stone Facing. Mingotile, Inc., Birmingham, Ala. Filed May 23, 1952, Serial No. 630,142. Published Nov. 4, 1952. Class 12.
- 570,039. Combination Metal Cleaning and Conditioning Preparation. Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Filed May 29, 1952, Serial No. 630,487. Published Nov. 11, 1952. Class 52.

570,040. Panel Structures for Use in the Building or Construction Field or the Like. The Perma Products Company, Cleveland, Ohio. Filed June 5, 1952, Serial No. 630,789. Published Nov. 4, 1952. Class 12.

570,041. Garage Doors. The Monarch Door, Folsom, Pa. Filed June 6, 1952, Serial No. 630,830. Published Nov. 4, 1952. Class 12.

570,042. Windows. Durell Products, Seattle, Wash. Filed June 10, 1952, Serial No. 630,997. Published Nov. 4, 1952. Class 12.

570,043. Putty. Benjamin Moore & Co., New York, N. Y. Filed June 10, 1952, Serial No. 631,014. Published Nov. 4, 1952. Class 12.

570,044. Pre-Cast Concrete Structures. C. P. Dubba, doing business as Carbon Dubba Company, Stanton, Calif. Filed June 11, 1952, Serial No. 631,031. Published Nov. 4, 1952. Class 12.

570,045. Cleaning Pads for Pots, Pans, Dishes, and the Like. Cleanser Products, Inc., Chicago, Ill. Filed June 14, 1952, Serial No. 631,203. Published Nov. 11, 1952. Class 4.

570,046. Wheat Flour. International Milling Company, Minneapolis, Minn. Filed Aug. 13, 1952, Serial No. 633,847. Published Nov. 11, 1952. Class 40.

Collective Mark

570,047. Construction Material Made of Expanded Vermiculite Used as an Aggregate in Plaster and Cement, and as a Fireproofing and Insulating Building Material. The Vermiculite Association, Inc., New York and Rego Park, N. Y. Filed Jan. 9, 1951, Serial No. 608,974. Published Nov. 4, 1952. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

570,048. (Class 22. Games, Toys, and Sporting Goods.) Lonn Sales Company, Tampa, Fla. Filed Apr. 22, 1949, Serial No. 577,541.

DANDY LURES

For Artificial Fish Lures.
Claims use since Sept. 30, 1947.

570,049. (Class 22. Games, Toys, and Sporting Goods.) Clifford G. Williams, doing business as Williams Products Company, Gravola Mills, Mo. Original filed, act of 1946, Principal Register, Aug. 24, 1949; amended to application, Supplemental Register, Aug. 14, 1950, Serial No. 583,909.



For Artificial Fish Bait.
Claims use since Apr. 1, 1949.

570,050. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Modern Controls Corporation, Centerline, Mich. Original filed, act of 1946, Principal Register, Nov. 23, 1949; amended to application, Supplemental Register, Aug. 6, 1952, Serial No. 588,226.

MONOPORT

For Gas Heating Burner.
Claims use since Nov. 1, 1949.

570,051. (Class 30. Crockery, Earthenware, and Porcelain.) Chinaware & Glass Trading Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 15, 1949; amended to application, Supplemental Register, Feb. 19, 1951, Serial No. 580,375.

Marling

For Chinaware, Earthenware, Pottery, and Porcelainware—Namely, Dinnerware, Vases, Pitchers, Teapots, Trays.
Claims use since Sept. 15, 1948.

570,053. (Class 22. Games, Toys, and Sporting Goods.) The Porter Company, Bakersfield, Calif. Original filed, act of 1946, Principal Register, Oct. 9, 1951; amended to application, Supplemental Register, Apr. 1, 1952, Serial No. 619,789.

SURVEYOR JR.

For Toy Surveying Instruments.
Claims use since Mar. 1, 1951.



The words "Caesar Salad Bowl" are disclaimed apart from the mark as shown on the drawing. The drawing is lined for the colors red and gold.

For Wooden Salad Bowls.
Claims use since July 1, 1949.

570,054. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Artis Metals Co., Incorporated, Boise, Idaho. Original filed, act of 1946, Principal Register, Nov. 8, 1951; amended to application, Supplemental Register, Sept. 5, 1952, Serial No. 620,993.

Artis

For Chimney Caps.
Claims use since Jan. 1, 1951.

570,055. (Class 12. Construction Materials.) Bo Products Corporation, Rochester, N. Y. Original filed, act of 1946, Principal Register, Nov. 17, 1951; amended to application, Supplemental Register, June 10, 1952, Serial No. 621,354.

**Bo
ROCK**

For Mortar, Pea Gravel Concrete, Patching and Topping Concrete, Finish Stucco, Brown or Scratch Coat, Gypsum Plaster, Acoustical Plaster, Aggregate for Insulation, and Plaster Aggregate.

Claims use since Mar. 10, 1947.

570,056. (Class 19. Vehicles.) Revere Supply Co., Inc., New York, N. Y. Filed Feb. 1, 1952, Serial No. 624,424.



For Boat Fenders.
Claims use since Aug. 1, 1950.

570,057. (Class 10. Fertilizers.) Texas Organic Mineral Soil Co., San Juan, Tex. Original filed, act of 1946, Principal Register, May 7, 1952; amended to application, Supplemental Register, Nov. 5, 1952, Serial No. 629,332.



For Soil Amendment, a Soil Conditioner, and Compost.
Claims use since Nov. 1, 1951.

TRADE-MARK REGISTRATIONS RENEWED

40,032. SIMPLEX. Registered Mar. 31, 1903. Templeton Kenly & Co., Ltd. Re-renewed Mar. 31, 1953, to Templeton, Kenly & Co., Chicago, Ill., a corporation of Illinois. Lifting Jacks. Class 23.

40,090. VENUS. Registered Apr. 14, 1903. American Lead Pencil Company, Hoboken, N. J., a corporation of New York. Re-renewed Apr. 14, 1953. Lead-Pencils. Class 37.

88,620. FOLEY FAMILY PILLS. Registered Oct. 8, 1912. Foley & Company, Chicago, Ill., a corporation of Illinois. Re-renewed Oct. 8, 1952. Remedies for Diseases of the Kidney and Bladder and Rheumatism. Class 18.

88,938. TENAX. Registered Oct. 29, 1912. Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and re-renewed to him Oct. 29, 1952. Photographic Hand-Cameras and Stand-Cameras; Enlarging Apparatus, Projecting Apparatus, Etc. Class 26.

89,112. RH (MONOGRAM). Registered Nov. 12, 1912. Richard Hudnut, New York, N. Y., a corporation of New York. Re-renewed Nov. 12, 1952. Soap, Solid and Liquid. Class 52.

89,155. "DECO-PASTE" AND DESIGN. Registered Nov. 12, 1912. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Re-renewed Nov. 12, 1952. Oil-Paint Used as a Wall and Ceiling Finish. Class 16.

89,367. S E C. Registered Dec. 10, 1912. Richard Hudnut, New York, N. Y., a corporation of New York. Re-renewed Dec. 10, 1952. Perfumes, Sachet-Powders, Face and Toilet Powders, Etc. Class 51.

89,813. BRAMPTON. Registered Jan. 14, 1913. Brampton Brothers, Limited. Re-renewed Jan. 14, 1953, to Brampton Fittings Limited, Birmingham, England, a limited liability company organized under the laws of Great Britain. Hubs, Pedals, Brakes, Etc. Class 19.

90,360. REPRESENTATION OF TRIANGLE. Registered Feb. 18, 1913. Mergenthaler Linotype Co., New York, N. Y. Re-renewed Feb. 18, 1953, to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York. Linotype-Supplies, Comprising Linotype-Matrices, Linotype Space Bands, Etc. Class 23.

90,952. "A" AND REPRESENTATION OF EAGLE. Registered Apr. 8, 1913. American Writing Paper Company. Re-renewed Apr. 8, 1953, to American Writing Paper Corporation, Holyoke, Mass., a corporation of Delaware. Writing and Printing Paper. Class 37.

294,030. PENN TRI-STATE. Registered June 14, 1932. Tri-State Refining Company. Renewed June 14, 1952, to Ashland Oil & Refining Company, Ashland, Ky., a corporation of Kentucky. Lubricating Oils. Class 15.

296,352. VIVERAL. Registered Aug. 2, 1932. Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany, a corporation of Germany. Renewed Aug. 2, 1952. Dyeing Agent. Class 6.

297,344. VENTRELAX. Registered Sept. 13, 1932. Dr. Jeronimo Gesteira, Detroit, Mich. Renewed Sept. 13, 1952, to Clarisse de Campos Gesteira, Rio de Janeiro, Brazil. Laxative. Class 18.

- 297,409. GENTREN. Registered Sept. 13, 1932. Dr. Jeronimo Gentren, Detroit, Mich. Renewed Sept. 13, 1952, to Clarisse de Campos Gentren, Rio de Janeiro, Brazil. Medicine Used as a Sedative and Antispasmodic in General Medicine and Gynecological and Obstetrical Practice. Class 18.
- 298,034. XYLOS. Registered Oct. 11, 1932. Xylos Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Oct. 11, 1952. Reclaimed Rubber. Class 1.
- 298,051. "PALAIS D'ORIENT-BRAND" ETC. AND DRAWING. Registered Oct. 11, 1932. Antonio Alonso, Hijo. Renewed Oct. 11, 1952, to Conservas Antonio Alonso, S. L., Vigo, Spain, a corporation organized under the laws of Spain. Canned Fish. Class 46.
- 298,111. SWIG. Registered Oct. 11, 1932. The Ver-Vac Products Co., Inc. Renewed Oct. 11, 1952, to The H. R. Nicholson Company, Baltimore, Md., a corporation of Maryland. Nonalcoholic, Maltless Beverages and Syrups for Making Same. Class 45.
- 298,355. "DEL MONTE" AND DRAWING. Registered Oct. 25, 1932. H. & L. Block, Ltd. Renewed Oct. 25, 1952, to H. & L. Block, San Francisco, Calif., a corporation of California. Coats and Leather Coats, Leather Vests, Leather Breeches, Etc. Class 39.
- 298,368. HILDRETH'S. Registered Oct. 25, 1932. H. L. Hildreth Co. Renewed Oct. 25, 1952, to H. L. Hildreth Company, Boston, Mass., a corporation of Massachusetts. Confectionery—Namely, Molasses Candy and Salt Water Taffy. Class 46.
- 298,371. "HILDRETH'S" ETC. AND DRAWING. Registered Oct. 25, 1932. H. L. Hildreth Co. Renewed Oct. 25, 1952, to H. L. Hildreth Company, Boston, Mass., a corporation of Massachusetts. Confectionery—Namely, Salt Water Taffy. Class 46.
- 298,780. FILLUP. Registered Nov. 8, 1932. Beatrice Creamery Company. Renewed Nov. 8, 1952, to Beatrice Foods Co., Chicago, Ill., a corporation of Delaware. Frozen Custard and Frozen Sherbet. Class 46.
- 299,372. RIO # LINE. Registered Nov. 20, 1932. Acme White Lead & Color Works. Renewed Nov. 20, 1952, to Acme Quality Paints, Inc., Detroit, Mich., a corporation of Michigan. Prepared Paints, Semi-Paste Paints, Paint and Enamel Finishes, Etc. Class 52.
- 299,412. "NARCO" AND DESIGN. Registered Dec. 6, 1932. Nagy Bros. Motor Company, Bethlehem, Pa., a corporation of Pennsylvania. Renewed Dec. 6, 1952. Gasoline, Motor Lubricating Oils, Fuel Oils, Etc. Class 15.
- 299,435. CHACO. Registered Dec. 6, 1932. Chase & Co., Sanford, Fla., a corporation of Florida. Renewed Dec. 6, 1952. Fertilizers. Class 10.
- 299,483. SWIFT'S. Registered Dec. 6, 1932. Swift and Company. Renewed Dec. 6, 1952, to Swift & Company, Chicago, Ill., a corporation of Illinois. Ice Cream. Class 40.
- 299,770. CHACO. Registered Dec. 20, 1932. Chase & Co., Sanford, Fla., a corporation of Florida. Renewed Dec. 20, 1952. Insecticides. Class 6.
- 300,073. RAYSPEED. Registered Jan. 31, 1933. General Electric X-Ray Corporation, Chicago, Ill. Renewed Jan. 31, 1953, to General Electric Company, Schenectady, N. Y., a corporation of New York. Cassette Holding Photographic Films for X-Ray Pictures. Class 20.
- 301,307. WILSHIRE CLUB. Registered Feb. 28, 1933. Abe Kanner, Los Angeles, Calif. Renewed Feb. 28, 1953. Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, Etc. Class 45.
- 301,657. VINCO. Registered Mar. 7, 1933. Vincennes Packing Corporation, Vincennes, Ind., a corporation of Indiana. Renewed Mar. 7, 1953. Canned or Bottled Tomato Juice, Tomato Juice Cocktail, Tomato Catsup, Etc. Class 46.
- 301,664. DUO-TEST. Registered Mar. 7, 1933. Robert McNeill. Renewed Mar. 7, 1953, to McNeill Laboratories, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Cardiac Stimulant and Diuretic. Class 18.
- 302,108. SEAVIEW. Registered Mar. 28, 1933. Italian Food Products Company, Inc. Renewed Mar. 28, 1953, to West Coast Packing Corporation, Long Beach, Calif., a corporation of California. Canned Fish. Class 40.
- 302,124. "PEGGY SAGE" ETC. AND DESIGN. Registered Mar. 28, 1933. Peggy Sage, Inc., New York, N. Y. Renewed Mar. 28, 1953, to Peggy Sage, Inc., Stamford, Conn., a corporation of New York. Nail Powder Polish, Nail Polish in Paste Form, Liquid Nail Polish, Etc. Class 51.
- 302,239. FLIGHT. Registered Apr. 4, 1933. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Apr. 4, 1953. Bird Gravel. Class 1.
- 302,251. GROWERS. Registered Apr. 4, 1933. California Fruit Growers Exchange. Renewed Apr. 4, 1933, to Sunkist Growers, Inc., Los Angeles, Calif., a corporation of California. Non-Alcoholic, Maltless Fruit Juices, Fruit Juice Concentrates, Etc. Class 45.
- 302,293. CELLUGRAF. Registered Apr. 11, 1933. George B. Graft Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Apr. 11, 1953. Indicator Tabs, or File Signals. Class 37.
- 302,385. VANURITE. Registered Apr. 18, 1933. American Disinfecting Company. Renewed Apr. 18, 1953, to Adco, Inc., Sedalia, Mo., a corporation of Missouri. Liquid Wax Preparation for Polishing Purposes. Class 4.
- 302,417. DIAPASON. Registered Apr. 18, 1933. Houbigant, Inc., New York, N. Y., a corporation of New York. Renewed Apr. 18, 1953. Perfume, Toilet Water, Face Powder, Etc. Class 51.
- 302,463. H. W. & D. Registered Apr. 18, 1933. Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Apr. 18, 1953. Antiseptics, Bactericides, Bacteriostats, Etc. Class 51.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

- 146,741. "BILAX". Registered Sept. 20, 1921. Foster-McClellan Co., Buffalo, N. Y. Preparations for Use in Connection With the Digestive Disorders. Class 18 (formerly Class 6). Canceled Dec. 12, 1952. Canc. No. 5953.
- 193,957. THE JUDGE. Registered Jan. 13, 1925. Gilbert H. Thompson, Maitowoc, Wis. Cigars. Class 17. Canceled Dec. 3, 1952. Sec. 18.
- 353,900. FAMIDE. Registered Apr. 5, 1938. Frederick Stearns & Company, Detroit, Mich. Sedative. Class 18 (formerly Class 6). Canceled Nov. 26, 1952. Sec. 7(d).
- 360,843. GEVAERT LARJA PRINTER. Registered Sept. 27, 1938. The Gevaert Company of America, Inc., New York, N. Y. Photographic Projection Printers. Class 20. Canceled Dec. 22, 1952. Sec. 7(d).

- 405,817. I R IN DIAMOND. Registered Feb. 22, 1944. LST Manufacturers, Stamford, Conn. Antiseptic Germicides. Class 6. Canceled Dec. 12, 1952. Canc. No. 5945.
- 509,179. SPUN-KNIT. Registered Apr. 26, 1949. Schindel-McDaniels Co., Inc., New York, N. Y. Infants' Gowns, Wrappers, Binders, Diapers, Panties, Etc. Class 39. Canceled Dec. 29, 1952. Sec. 7(d).
- 512,189. "ALLAN RED METAL" AND DESIGN. Registered July 12, 1949. A. Allan & Son, Harrison, N. J. Non-Ferrous Alloys—Viz., Bearing-Bronze, Babbitt Metals, Etc. Class 14. Canceled Dec. 10, 1952. Sec. 7(d).
- 530,584. SLEEKIES. Registered Sept. 12, 1950. Sitroux Incorporated, New York, N. Y. Facial Tissues. Class 37. Canceled Dec. 5, 1952. Canc. No. 5709.
- 531,010. DIMITIE. Registered Sept. 19, 1950. The Sherwin-Williams Company, Cleveland, Ohio. Insecticide and Miticide. Class 6. Canceled Dec. 22, 1952. Sec. 7(d).
- 531,075. BROX. Registered Sept. 19, 1950. Eutectic Welding Alloys Corporation, New York, N. Y. Fluxes and Mixtures of Fluxes and Metals for Welding, Braising, Etc. Class 6. Canceled Nov. 26, 1952. Sec. 7(d).
- 547,070. PLASTIMAT. Registered Sept. 4, 1951. Hedwin Corporation, Baltimore, Md. Plastic Place Mats. Class 50. Canceled Dec. 22, 1952. Sec. 7(d).
- 553,470. AMERZONE. Registered Jan. 15, 1952. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Electrical Cable. Class 21. Canceled Dec. 29, 1952. Sec. 7(d).
- 553,471. AMETALLIC. Registered Jan. 15, 1952. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Electrical Cable. Class 21. Canceled Dec. 29, 1952. Sec. 7(d).

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

- 330,510. FLAP JACK. Registered Oct. 13, 1930. California Maple Syrup Company, Inc., Los Angeles, Calif. Table Syrup. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States east of the Mississippi River, not including Minnesota, by order of the Commissioner dated January 6, 1953, following decision on Concurrent Use Proceeding No. 93, Robinson Syrup Co., Inc. v. California Maple Syrup Company, Inc.
- Amended as follows: In the statement, line 8, "fresh vegetables" is deleted and *fresh lettuce* is inserted in lieu thereof.
- 565,362. "ORZAN" AND DESIGN. Registered Oct. 14, 1952. Crown Zellerbach Corporation, San Francisco, Calif. Dried Solids of Ammonia Base Waste Sulfite Liquor, Etc. Class 10. Corrected as follows: In the statement, lines 7 and 8, "dried" and "ammonia base" should be deleted.
- 566,702. "ORZAN" AND DESIGN. Registered Nov. 11, 1952. Crown Zellerbach Corporation, San Francisco, Calif. Dried Solids of Ammonia Base Waste Sulfite Liquor, Etc. Class 10. Corrected as follows: In the statement, lines 7 and 8, "dried" and "ammonia base" should be deleted.
- 432,667. "AL-MA" AND DESIGN. Registered Sept. 9, 1947. Wilma Massera, doing business as Al Massera, Watsonville, Calif. Fresh Vegetables. Class 46.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 90,100. Registered Feb. 4, 1913. Henry Disston & Sons, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CLASS 15

OILS AND GREASES

Reg. No. 307,221. Registered Oct. 17, 1933. Richfield Oil Corporation of New York, New York, N. Y., a corporation of Delaware. Republished by registrant.

DISSTON



For Steel Sheets, Steel Bars, and Steel Forgings. Claims use since 1884.

The words "All-Point Lubrication" are disclaimed apart from the mark as shown.
For Petroleum Products—Namely, Lubricating Oil. Claims use since Jan. 1, 1933.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 87,657. Registered July 30, 1912. Edward Frederic Ridgway, Sheffield, England. Republished by John Wilson (Sheffield) Limited, Sheffield, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland.



For Butchers' Knives and Butchers' Steels, Shoe-Knives.
Claims use since 1766.

Reg. No. 90,101. Registered Feb. 4, 1913. Henry Disston & Sons, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

DISSTON

For Saws, Saw Handles, Inserted Saw Teeth, Inserted Saw Teeth Holders, Saw Mandrels, Saw Gummers, Saw Gummer Cutters, Saw Gummer Grinders, Saw Swages, Saw Shapers, Saw Sets, Saw Filing Clamps, Saw Filing Clamp Guides, Saw Sharpeners, Saw Pouches, Saw Frames, Saw Bucks, Saw Rods, Saw Screws, Saw Tools, Hand Saw Shears, Wrenches, Files, Rasps, Trowels, Cane Knives, Corn Knives, Hedge Knives, Machetes, Machine Knives, Circular Knives, Pruning Hooks, Fusion Disk, Post-Hole Diggers, Screw Drivers, Doctor Blades, Glo Roller Blades, Currier Blades, and Cabinet Scrapers.
Claims use since 1862.

Reg. No. 297,009. Registered Aug. 30, 1932. John W. Looschen, Paterson, N. J. Republished by Mary J. Looschen, Paterson, N. J.

SIMPLICITY

For Boat Holts.
Claims use since July 1930.

Reg. No. 302,010. Registered Mar. 21, 1933. Joseph T. Ryerson & Son, Inc., Chicago, Ill., a corporation of Delaware. Republished by registrant.

RYERTEX

For Machinery Bearings and Bearing Collars.
Claims use since July 21, 1932.

Reg. No. 440,341. Registered Aug. 24, 1948. R. O. Le Tourneau, Inc., Peoria, Ill., a corporation of California. Republished by registrant.

TOURNAMIXER

For Self-Propelled Portable Concrete Mixers.
Claims use since Feb. 1, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 95,205. Registered Feb. 3, 1914. Joseph T. Ryerson & Son, Chicago, Ill. Republished by Joseph T. Ryerson & Son, Inc., Chicago, Ill., a corporation of Delaware.

STEEL-SERVICE

For Printed Books.
Claims use since May 28, 1913.

CLASS 39

CLOTHING

Reg. No. 335,437. Registered June 2, 1936. Wulf Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Wul," "Year-Bonded Clothes," and "Trade-Mark" are disclaimed apart from the mark as shown.
For Boys', Young Men's, and Men's Suits, Overcoats, and Topcoats.
Claims use since about November 1910.

Reg. No. 351,952. Registered Nov. 16, 1937. Wulf Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



LOOMED WEST OF IRELAND
The words "A Product of," "Fleece," and "Loomed West of Ireland" are disclaimed apart from the mark as shown.
The drawing is lined for green.
For Boys', Young Men's, and Men's Suits, Overcoats, and Topcoats.
Claims use since July 16, 1937.

Reg. No. 361,473. Registered Oct. 18, 1938. Wulf Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Strutter

For Boys', Young Men's, and Men's Suits, Overcoats, and Topcoats.
Claims use since Apr. 1, 1938.

Reg. No. 372,018. Registered Oct. 17, 1939. The Willow Shirt and Underwear Corporation, New Haven, Conn. Republished by The Willow Shirt Corporation, New Haven, Conn., a corporation of Connecticut.



The drawing is lined for red.
For Men's Outer Shirts.
Claims use since on or about Mar. 11, 1939.

Reg. No. 417,322. Registered Oct. 23, 1945. Wulf Brothers, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

BLUE MEDAL Clothes

The word "Clothes" is disclaimed apart from the mark as shown.
For Men's and Young Men's Coats and Suits.
Claims use since September 1944.

Reg. No. 444,332. Registered Nov. 21, 1950. The Hecht Company, a corporation of Maryland, Washington, D. C., also doing business as The Hub, Baltimore, Md., and Hecht Brothers, New York, N. Y. Republished by registrant.

Guild

For Men's Suits, including Coats, Vests, Trousers, and Men's Overcoats.
Claims use since Mar. 27, 1925.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 342,371. Registered Jan. 12, 1937. Austin, Nichols & Co., Incorporated, Brooklyn, N. Y., a corporation of Virginia. Republished by registrant.

CARMELO

For Rum.
Claims use since July 13, 1936.

PLANT PATENTS

GRANTED FEBRUARY 3, 1953

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,162

CHRYSANTHEMUM PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application April 18, 1952, Serial No. 283,063

1 Claim. (Cl. 47-60)

A new and distinct variety of chrysanthemum plant of the decorative class, substantially as herein shown and described, characterized particularly as to novelty by the unusual combination of color, shape and size of its flowers which is unique in outdoor chrysanthemums, by its bushier habit of growth and its production of many more branches, and by its greater tendency to stool and produce runners.

1,163

ROSE PLANT

Martin R. Jacobus, Ridgefield, N. J., assignor to Bobbink & Atkins, East Rutherford, N. J., a corporation of New Jersey

Application January 2, 1952, Serial No. 264,532

1 Claim. (Cl. 47-61)

A new and distinct variety of rose plant of the everblooming climber type, substantially as herein shown and described, characterized as to

novelty particularly by its extremely hardy, rugged, vigorous and everblooming habits of growth, by the long-lasting quality of its blooms and the general effect of extreme floriferousness thereof against a background of dark green, mildew-resistant foliage, and by the predominant white color of its blooms, sometimes tinted with lemon-yellow color, but eventually changing to white.

1,164

ROSE PLANT

Hendrikus Antonie Maria Verschuren, Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application February 7, 1952, Serial No. 270,299

1 Claim. (Cl. 47-61)

A new and distinct variety of rose plant of the hybrid tea class, substantially as herein shown and described, particularly characterized as to novelty by the Light Orange-Yellow color, with shadings of Deep Chrome, of its flowers, by the high-centered and increased petalage characteristics of its flowers, by the leathery, Dark Cress Green color of its foliage, and by the general similarity of its thorns and foliage to those of its parent "Golden Scepter" (Plant Patent No. 910).

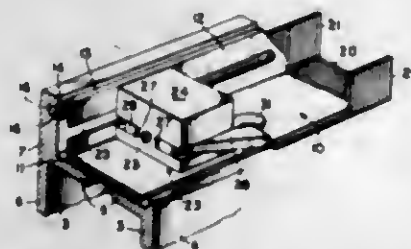
PATENTS

GRANTED FEBRUARY 3, 1953

GENERAL AND MECHANICAL

2,627,071

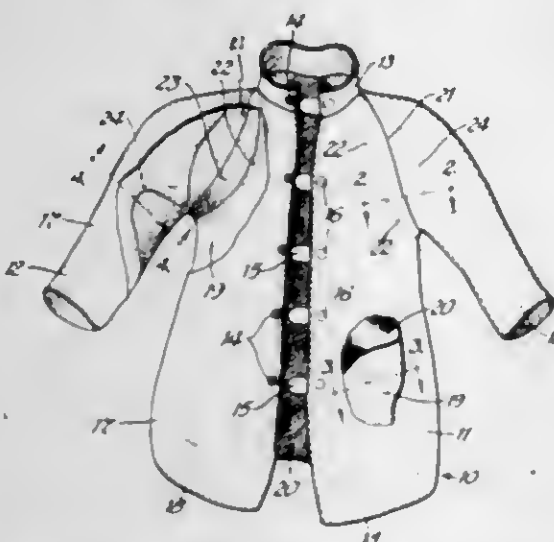
FEED PLATE FOR STAPLING MACHINES
Wesley O. Stearns, Scotch Plains, N. J., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application June 3, 1950, Serial No. 166,011
6 Claims. (Cl. 1-3)



6. In combination with a channel shaped staple support slide having horizontally aligned slots in its opposite side walls, a feed plate comprising a block slidably mounted in said slide, said block having a longitudinally extending recess in each longitudinal edge, said recesses being aligned horizontally with said slots, and a feed finger pivotally mounted in each of said recesses, the rear ends of said fingers projecting beyond the rear end of said block when the forward ends of said fingers are confined between the side walls of said slide, and a spring pressed plate engageable with the rear end of said block to force the forward ends of said feed fingers through said slots.

2,627,072

HEAT-RESISTANT GARMENT
Horace A. Frommelt, Milwaukee, Wis., Cyril P. Frommelt, Dubuque, Iowa, and Robert A. Phillips, Pittsburgh, Pa.
Application May 29, 1951, Serial No. 228,907
1 Claim. (Cl. 2-2)

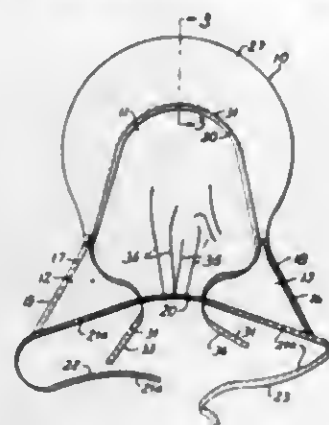


In a protective garment for reflecting high temperature heat, an openable main body portion of fire-resistant fabric material having shoulder portions and sleeve openings; a pair of sleeves attached about said sleeve openings to said body portion and providing stitched seams; a flexible fabric lining sewn to said garment body portion

and to said sleeves along the edges thereof and disposed along the inner face of said body portion and said sleeve faces; a heat-reflecting metallic foil bonded to said lining along the greater portion thereof, said metallic foil terminating short of said seams and terminating short of the elbow portions of said sleeves to provide for greater flexibility in the areas of said seams and in the areas of said elbow portions; and lines of stitching securing the edges of said metallic foil to said lining.

2,627,073

LADY'S CAP
Lois H. Stonestreet, Charlotte, N. C., assignor to Kwik-tite, Incorporated, Charlotte, N. C., a corporation of North Carolina
Application February 16, 1950, Serial No. 144,531
3 Claims. (Cl. 2-198)



1. A lady's cap having an irregularly-shaped body portion having triangularly-shaped integral tabs extending from the lowermost edge thereof, said cap also being provided with a somewhat crescent-shaped front piece secured to the edge of the upper portion of the body portion and having its opposite end portions extending to a point adjacent the juncture of the triangularly-shaped tabs with the body portion, said front piece having upper tie straps secured thereto and extending one from each end thereof adjacent said juncture and each of said triangularly-shaped tabs having a lower tie strap secured to and extending from the juncture of the outer edges of each tab.

2,627,074

BATHROOM FIXTURE
Harry Karp, Atlantic Beach, N. Y.
Application July 28, 1949, Serial No. 107,308
3 Claims. (Cl. 4-7)

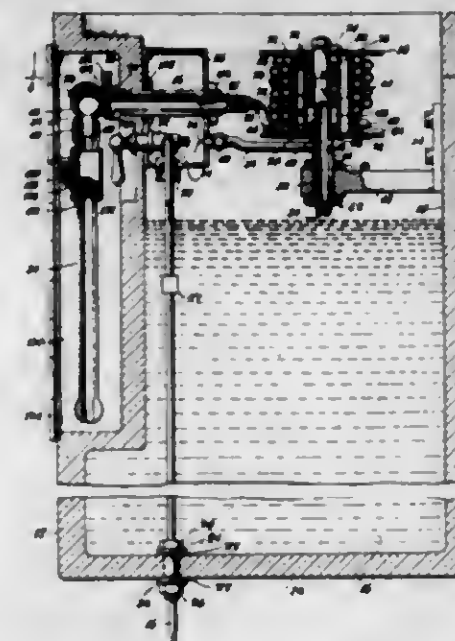
1. In combination with a bathroom fixture having a water drainage system, a concealed bathroom appliance comprising, a recessed receptacle embedded in the surface of said fixture, a water mixing chamber disposed adjacent said receptacle and within said fixture, a hot water supply and a cold water supply connected to said mixing chamber, valve means intermediate said chamber and said hot and cold water supply for

FEBRUARY 3, 1953

GENERAL AND MECHANICAL

51

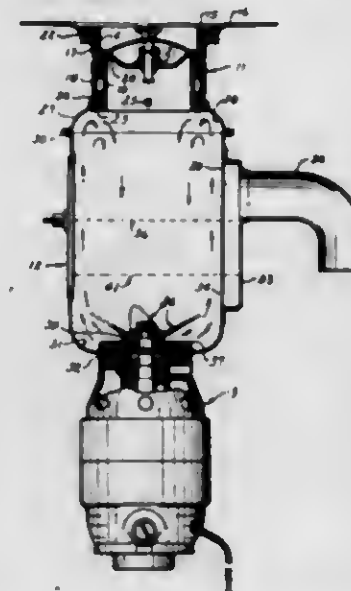
proportioning the amounts of hot and cold water introduced into said chamber, manual control means for said valve means contained within said receptacle, a reel member disposed within said fixture, a length of flexible tubing coiled upon said reel member having its forward end adapted to be withdrawn from said reel member and retracted thereto, tensioning means included in said reel member for rewinding the tubing thereon and for maintaining tension on the tubing when withdrawn from said reel member,



water passage means connecting said chamber and said tubing, nozzle means removably secured to the forward end of the tubing and positionable in said receptacle, passage means through said fixture connecting said receptacle with the interior of said fixture for movement of said tubing therethrough, and a manually displaceable closure member mounted on the surface of said fixture adjacent said receptacle for covering said recessed receptacle when said appliance is not in use.

2,627,075

GARBAGE DISPOSAL
John H. Benson, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application February 1, 1946, Serial No. 644,701
15 Claims. (Cl. 4-187)

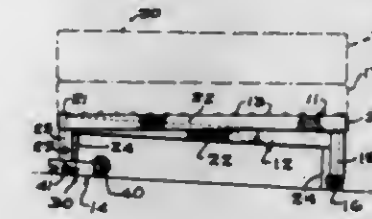


1. A garbage disposal unit adapted to be attached to the drain opening of a sink, comprising

a combination container and trap, the container forming the down passage of said trap, means to maintain a predetermined liquid level in said container and means in said container to disintegrate garbage placed in said container before said garbage is washed away through the trap and into the sewer line, said last means comprising a plurality of radially extending blades positioned to rotate adjacent the bottom of said unit.

2,627,076

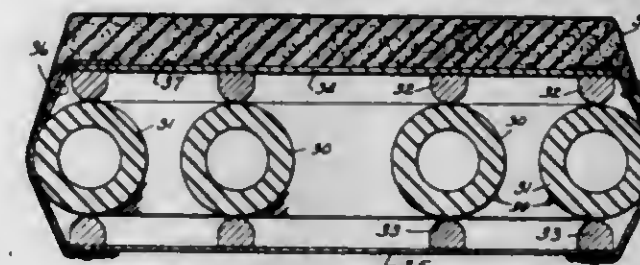
COUCH CONSTRUCTION
Lewis E. Mitsenmacher, Los Angeles, Calif., assignor to David Erenberg, Los Angeles, Calif.
Application February 1, 1951, Serial No. 208,917
13 Claims. (Cl. 5-18)



5. A couch comprising: a frame; springs secured to said frame; a mattress providing a seating surface; fixed legs; and adjustable legs movable from retracted to extended position, the seating surface of said couch being substantially horizontal when said adjustable legs are in one position, and said seating surface being sloped downwardly from the front toward the rear of said seating surface when said adjustable legs are in the other position, said adjustable legs comprising a fixed member, a movable member pivoted to said fixed member and means for resiliently urging said movable member into approximate alignment with said fixed member.

2,627,077

CUSHIONING DEVICE
Albert E. Forsyth, Britannia Bay, Ontario, Canada
Application July 12, 1947, Serial No. 760,655
12 Claims. (Cl. 5-337)



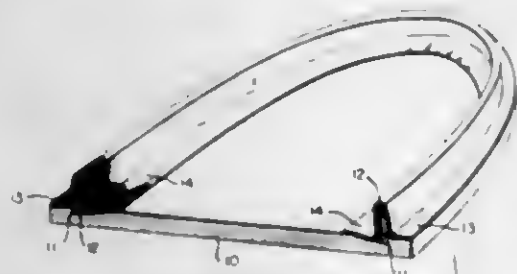
1. A seat comprising an inflatable deformable resilient element of generally cylindrical formation and having rounded ends, a valve carried by the element, strips extending longitudinally of the element and having edge portions thereof engaging the top and bottom faces of the element respectively, said strips being narrower than the diameter of the cylindrical portions of the element, a support for each set of strips, a flexible layer of material on the upper support and a covering for the layer, said covering extending around the element and strips and providing a casing therefor.

2,627,078
TOOL WITH EXTENSION SPACED FROM HEAD
 Samuel Elliot, Newton, Mass.
 Application May 20, 1950, Serial No. 163,164
 3 Claims. (Cl. 7-8.1)



1. An improved hand tool including a tapering body portion having a handle aperture formed therethrough, a handle secured in the aperture, said body portion including an annularly shaped tool head which extends upwardly and angularly away from the body portion at one side thereof, said tool head presenting a flat striking surface, an extension element extending upwardly and angularly away from the body portion in an opposite direction from the tool head, said extension and body portion cooperating to form an elongated body section which limits the extent to which the tool head may be driven into a yieldable body, and said extension, when the tool head has been embedded in a yieldable body, comprising a fulcrum about which the body portion and handle may be rotated to remove the tool head from the yieldable body.

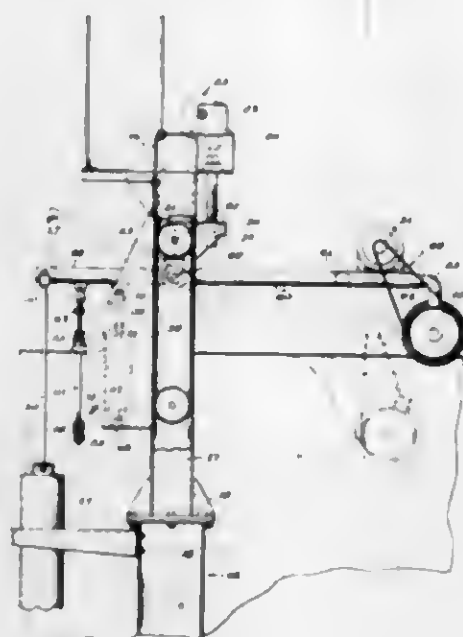
2,627,079
PROCESS OF MAKING WELT INSOLES
 Andrew R. Ridderstrom, Nahant, Mass., assignor to Prime Manufacturing Company, Lynn, Mass., a corporation of Massachusetts
 Application June 29, 1951, Serial No. 234,366
 1 Claim. (Cl. 12-146)



A process of making welt insoles characterized by the steps of channeling an insole blank to form an inwardly directed shoulder, turning up the channel lip, and then progressively laying against the inner face of the lip the exposed flat face of the core of a composite ribbing strip that has a rectangular core of tough flexible material and a textile cover tape that is already adhesively united to the core on that face which is directed

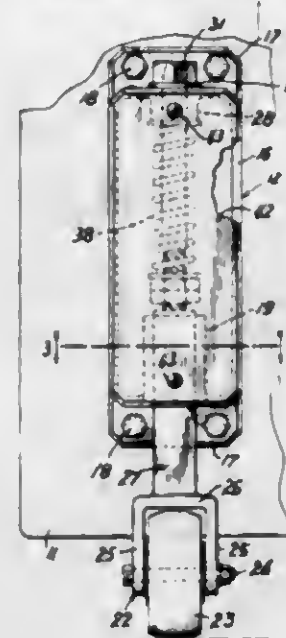
away from the upstanding lip of the channel and is adhesively coated upon its initially unattached marginal surfaces, and then adhesively attaching the margins of the cover tape to the outer face of the lip and to the insole surface on both sides of the rib thus formed.

2,627,080
APPARATUS ADAPTED TO WASH THE ROOFS OF RAILWAY AND LIKE VEHICLES, AND EMBODYING A VERTICALLY SWINGING BRUSH-CARRYING FRAME
 Louis D. Holmes, Blue Island, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
 Application August 24, 1948, Serial No. 45,886
 5 Claims. (Cl. 15-53)



5. An apparatus adapted to wash the roof of a vehicle as the latter is propelled on a runway past it and comprising an upstanding supporting structure embodying a pair of standards at opposite sides of the runway and of greater height than the vehicle, and having adjacent the upper portion of one of the standards a horizontal member extending in one direction along the runway, a substantially horizontal frame disposed between the upper portions of the standards, extending in the opposite direction along the runway, having means at its inner portion whereby it is so pivotally supported that it is capable of swinging upwards and downwards, provided at its distal portion with a rotary, power driven brush, and having on its inner portion a rigid arm overlying and extending in the same direction as said member, means operative to limit upward and downward swinging movement of the frame, and consisting of an apertured element in fixed relation with said member and an upstanding restraining rod having the upper end thereof pivotally connected to the arm and its lower end portion extending through the apertured element and provided with adjustable spaced apart stop-elements on opposite sides of said apertured element, counterweight means applied to the arm and serving to urge the frame upwards, and an air energizable cylinder piston unit extending between and pivotally connected to the member and arm and operative when energized by the supply of air under pressure there-to yieldingly to urge the frame downwards against the force of the counterweight means.

2,627,081
ADJUSTABLE SPRING CASTER DOOR SUPPORT
 Robert E. Slopa, Chicago, Ill., assignor of one-half to George W. Slopa, Chicago, Ill.
 Application March 3, 1950, Serial No. 147,555
 1 Claim. (Cl. 16-44)

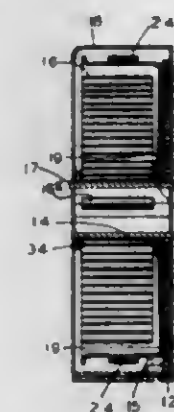


An adjustable door support of the character described comprising in combination a housing including side walls, a top wall and a bottom wall, means to facilitate mounting of the housing on a door, a boss on and projecting downwardly from the bottom face of the top wall, said top wall and boss having an opening therethrough, a boss on and projecting upwardly from the top face of the bottom wall, said bottom wall and the last named boss having a square opening therethrough in alignment with the opening in the top wall and the first named boss, a roller bracket having a square shank extending upwardly through the square opening, a tapped opening in the free end of said shank, a headed adjusting bolt extending downwardly through the opening in the top wall and the top wall boss and threaded into the tapped opening, the bolt head resting normally against the top face of the top wall, a nut on the bolt within the housing, a compression spring on said bolt, said spring being confined between the bottom face of the top wall boss and the nut, said nut being adjustable so that the spring tension may be varied upon adjustment of the nut, a front wall on the housing removable to admit access to the nut for adjusting the same, and a roller carried by said bracket adapted to ride along a surface to support a door upon which the device is mounted.

2,627,082
SASH BALANCE
 Dewitt Tappan, Irondequoit, N. Y., assignor to Ada I. Tappan, Irondequoit, N. Y.
 Application March 21, 1950, Serial No. 150,871
 11 Claims. (Cl. 16-198)

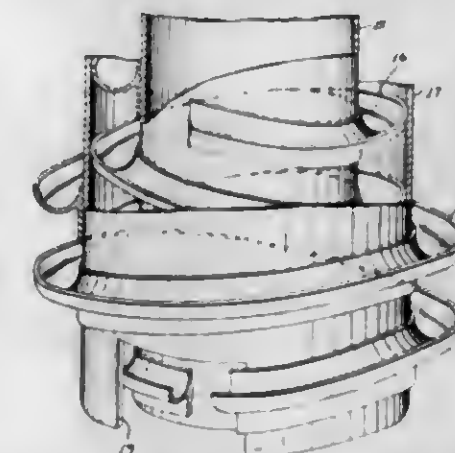
9. A sash balance comprising, a drum, a base plate, an involute spring, said drum having an end plate dished inwardly with a bushing loosely fitted therein and extending along the axis of said drum, a hub secured at one end to said base plate, said hub being effective to journal said bushing of said drum, an involute spring within said drum having its inner end secured to said hub and its outer end secured to the inner periphery of said drum, and biasing means acting through the inner turns of said spring urging

said spring laterally against said bushing, whereby said bushing may be prevented from rotating



with said drum by reason of said biasing means, while said drum is free to rotate on said bushing.

2,627,083
CABLE VULCANIZING SUPPORT
 Herbert C. Witthoft, Marion, Ind., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
 Application April 22, 1950, Serial No. 157,466
 1 Claim. (Cl. 18-6)



Apparatus for supporting a long length of rubber-covered cable or the like substantially throughout its length, comprising an inner vertical frame having a laterally extending inner cable-supporting shelf in the form of a multiple-turn helix attached to its outer surface, an outer frame surrounding said inner frame and inner shelf and having a laterally extending outer cable-supporting shelf in the form of a multiple-turn helix attached to its outer surface, the pitch of said outer helical shelf being opposite to that of said inner helical shelf, and said outer frame being formed with an aperture adjacent its lower end through which the rubber-covered cable may pass from support by the inner shelf to support by the outer shelf.

2,627,084
APPARATUS FOR THE MANUFACTURE OF THREADS OR FILAMENTS
 Albert Olen Ryan, Independence, Ky., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn., a corporation of Delaware
 Application May 10, 1947, Serial No. 747,239
 6 Claims. (Cl. 18-8)

1. Apparatus for simultaneously forming a plurality of continuous threads comprising a plurality of spaced plates forming a relatively narrow elongated substantially flat space, one end of said plates being outwardly flared, means for flowing a hardening liquid through said space at such a speed with relation to the dimensions

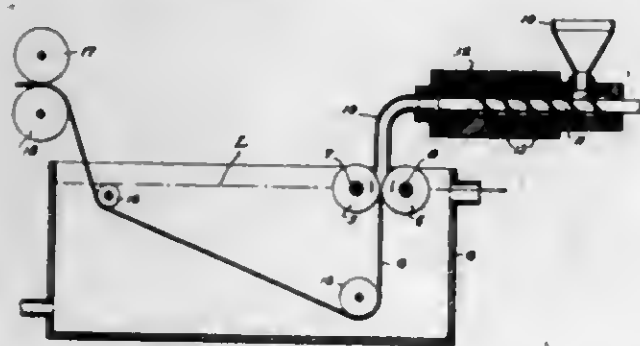
of said space and the viscosity of said liquid that the liquid flows between said plates with viscous flow, a plurality of nozzles disposed at the flared portion of the plates and extending across one end of said space for discharging a plurality of continuous parallel liquid streams of thread-forming material into said space in the center of said sheet of viscously flowing liquid at substantially the same speed and in the same direc-



tion of flow as the center of said sheet, whereby said hardening liquid supports and surrounds each of said streams of thread-forming material during passage through said space to cause said material to solidify while supported in said stream, means for heating said hardening liquid, means continuously recirculating said hardening liquid through said space, and means for withdrawing the solidified material from said hardening liquid.

2,627,085

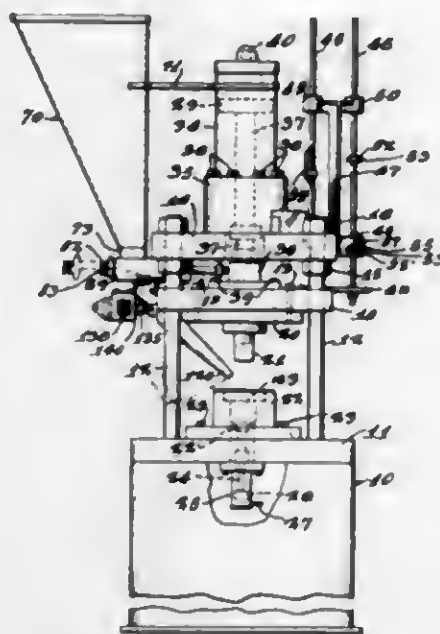
APPARATUS FOR FORMING PLASTIC STRIPS
Robert C. Rahm, Wyomissing, Pa., assignor to The Polymer Corporation, Reading, Pa., a corporation of Pennsylvania
Application July 21, 1948, Serial No. 39,954
4 Claims. (Cl. 18-9)



1. Equipment for use in forming strip stock from plastic materials comprising, in combination with a liquid-containing vessel into which the formed strip stock is to be delivered, a supporting framing having spaced frame elements adapted to be positioned at the upper edges of said vessel, a pair of forming rolls slung downwardly from said framing, worm wheels fixed to rotate with said rolls, a driving shaft for the rolls extended perpendicularly to the axes of the rolls and their worm wheels, the driving shaft being mounted above the framing, and worms fixed on the driving shaft and meshing with the worm wheels at the tops of the latter.

2,627,086
MOLDING MACHINE

Thomas L. Hallenbeck, Toledo, Ohio, assignor to Baker Brothers, Inc., Toledo, Ohio, a corporation of Ohio
Application September 17, 1949, Serial No. 116,276
6 Claims. (Cl. 18-30)



1. A material measuring and conveying apparatus including, in combination, a member having a cylindrical bore formed therein; a pair of spaced plungers slidably mounted in said bore; a chamber adapted to receive material formed between said plungers; said member having a material receiving passage in communication with said bore and a material discharge passage out of alignment with said material receiving passage; a receptacle having a passage in registration with the material inlet passage in said member; said receptacle adapted to contain a supply of material; means for shifting the relative positions of said plungers for varying the size of the chamber; means for reciprocating said plungers longitudinally in said bore for conveying material contained in the chamber to the discharge outlet in said member, and means including a movable chute in registration with said material discharge outlet in said member for conveying material to a point remote from said plungers.

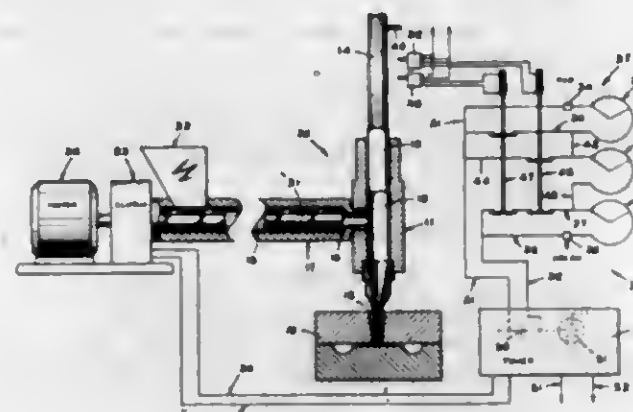
2,627,087

STROKE CONTROL FOR RAM-TYPE MOLDING MACHINES

James W. Hendry, Bay City, Mich.
Application March 10, 1950, Serial No. 148,833
6 Claims. (Cl. 18-30)

1. In an automatic, electronic device for controlling the period of operation of means feeding plastic into a ram-type molding machine having a reciprocable ram, the combination comprising: an electronic timer of the time delay type including an electron discharge device having a cathode, an anode and a grid circuit having parallel resistance and capacitance circuits in said grid circuit and so connected that operation of said feeding means is responsive to the condition of said electron discharge device; a power supply energizing said timer; first, second and third adjustable, series connected, resistors in said resistance circuit; first and second lines shunting the first resistor and a third line shunting the third resistor; one double pole, normally closed switch in each of said second and third lines and another, double pole, normally closed

switch in each of said first and third lines; and actuating means responsive to movement of said ram for opening said switches successively as said ram moves in mold filling direction; where-

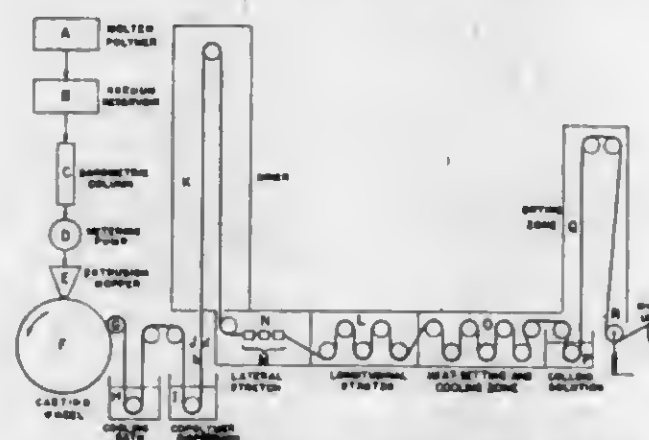


by the amount of resistance in said resistance circuit, which controls the period of operation of said feeding means, is dependent upon the length of stroke of the ram.

2,627,088

PREPARATION OF ORIENTED COATED FILMS

Francis Peter Alles, Westfield, and William Russell Saner, Plainfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 22, 1950, Serial No. 151,274
9 Claims. (Cl. 18-47.5)



1. The method which comprises casting into the form of a film a molten highly polymeric ester of a dicarboxylic acid and a dihydric alcohol, said ester being capable of being formed into filaments which when cold drawn show by characteristic X-ray patterns molecular orientation along the fiber axis, coating at least one surface of the film with an aqueous dispersion of a copolymer containing at least 35% by weight of vinylidene chloride, drying the coated polymeric ester film and orienting the coated film by stretching it at an elevated temperature.

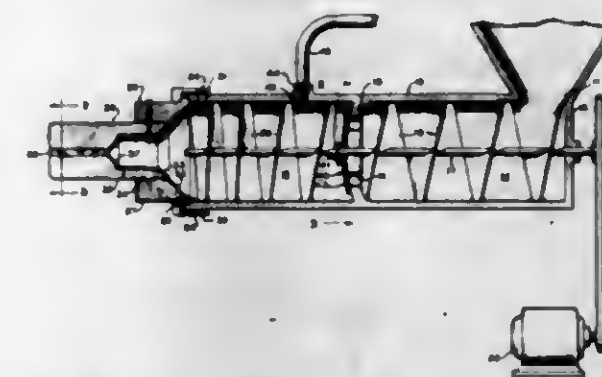
2,627,089

METHOD FOR TALC CRAYON PRODUCTION

Jack E. Norwood, Raleigh, N. C.
Application February 4, 1949, Serial No. 74,640
5 Claims. (Cl. 18-55)

5. The method of making a composition writing instrument consisting of the following procedure: pulverizing talc to at least 200 mesh, removing substantially all the impurities therefrom, adding sodium silicate in the proportion of

approximately 2.16-4.5 grams of talc per c. c. of sodium silicate, mixing the substances thoroughly, forming the composition into a predetermined

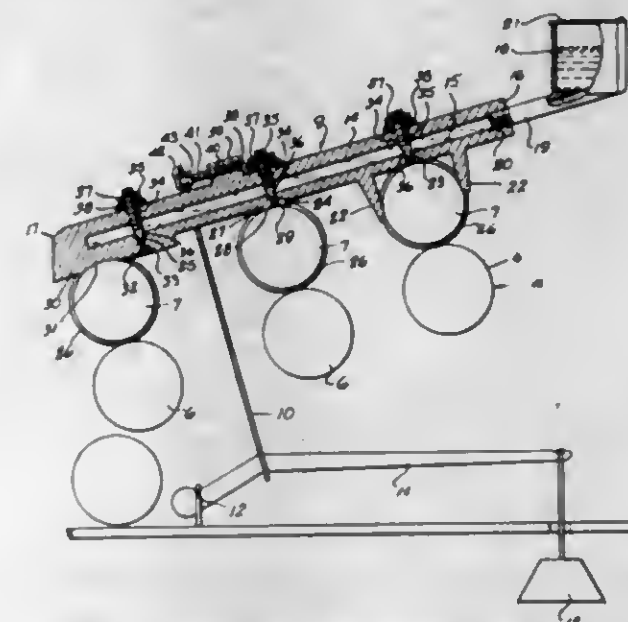


configuration under pressure, said pressure being sufficient only to produce a coherent writing instrument, and drying it to form a writing instrument having the desired properties.

2,627,090

COMBINED SADDLE AND OILER FOR UPPER DRAFT ROLLERS OF SPINNING FRAMES

Floyd Aldridge, Belmont, N. C.
Application February 17, 1948, Serial No. 8,834
2 Claims. (Cl. 19-138)



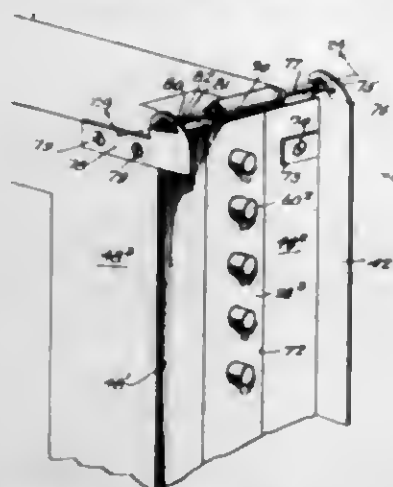
1. The combination with upper draft rollers of a spinning frame, said rollers having transverse peripheral grooves intermediate their ends, of a combined saddle and oiler mounted within the grooves of said draft rollers, said saddle and oiler comprising a body positioned longitudinally of said upper draft rollers and supported in the peripheral grooves of the latter, said body having a longitudinal bore extending inwardly from one end and terminating at a point adjacent to and spaced from the other end of said body, there being a plurality of longitudinally spaced ports extending transversely through one wall of said body, each of said ports having one end in communication with the bore of said body and having the other end in communication with the groove of the adjacent roller, a plurality of valve elements positioned transversely of and rotatably supported in said body for movement toward and away from said ports and each having one end in alignment with one of said ports and having the other end projecting beyond said body, hand actuable means on each of the projecting ends of said valve elements for securing said elements in any selected position of rotational movement, an oil supply positioned adjacent said one end

of said bore, and a conduit having one end connected to said oil supply and having the other end connected to said one end of said bore.

2,627,091

WINDOW CONSTRUCTION

Samuel M. Kass, Philadelphia, Pa.
Application June 7, 1947, Serial No. 753,337
1 Claim. (Cl. 20—52)



A window having a frame and upper and lower sash movably mounted within the frame for sliding movement, teeth in a vertical row on a vertical edge of one sash and a drum rotatably mounted on the frame and cooperating with the teeth, in combination with a vertical rail mounted on the upper sash, a vertical rail mounted on the lower sash, the rails cooperating to maintain the sash in fixed relative horizontal position, a bracket on one vertical edge of each sash adjoining the rail and horizontally spaced from the rail on that sash, a supporting extending in variable transverse horizontal position between each bracket and rail and comprising at least one bar and a fitting threaded in variable position on the bar, and a roller rotatably mounted on the fitting and cooperating with the frame to facilitate movement of the corresponding sash.

2,627,092

SLIDING CLOSURE AND SUSPENSION SYSTEM THEREFOR

Abraham Grossman, Van Nuys, Calif.
Application January 16, 1950, Serial No. 138,915
11 Claims. (Cl. 20—52.2)



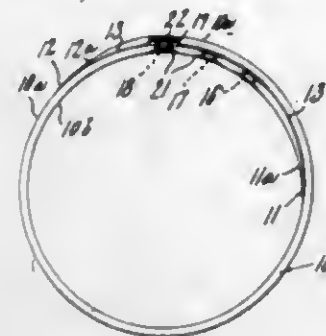
6. In a closure, the combination of: a frame, said frame including top and bottom frame mem-

bers and track means on said top and bottom frame members; a movable sash, said movable sash having a top rail and a bottom rail, said top and bottom rails having elongated recesses formed therein for receiving said track means, the side walls of said recesses having retaining means thereupon; and elongated, resilient sealing means positioned in said recesses, said sealing means having portions engageable with said retaining means for releasably securing said sealing means in said recesses and portions contacted by said track means for sealing engagement with said track means.

2,627,093

ELASTIC BELT STRUCTURE

Harry Alton Boyles, Brooklyn, N. Y.
Application January 22, 1949, Serial No. 72,119
1 Claim. (Cl. 24—31)



A belt and like band structure comprising an elongated rubber body terminating in opposite substantially wedge-shaped ends, complementary snap button means for said body, means adapted to connect in superposed relation said ends and said rubber body, and flexible fabric strip means inserted in said wedge-shaped ends and extending into portions of said body adjacent said ends and without substantially altering the thickness and shape thereof, said complementary snap button means passing through said strip means and being anchored adjacent said ends, said fabric strip means being less stretchable than that part of said rubber body which extends between said ends, the flexibility of said elongated body in crosswise direction thereof remaining substantially unimpaired, the stretchability of said body between said ends differing from that at said ends in lengthwise direction thereof, said wedge-shaped ends forming surface transitions with said rubber body upon engagement of said snap button means with each other.

2,627,094

FASTENING DEVICE

William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 19, 1951, Serial No. 237,552
4 Claims. (Cl. 24—73)



4. A fastening device for assembly into a panel opening to enable the panel to be assembled onto a support, said fastener comprising a pair of legs forming a generally U-shaped panel-engaging portion, said legs being joined at one end and being disposed in spaced relation to grip the panel

on opposite sides, and a support-engaging member disposed on one of the legs, the other leg being disposed at an acute angle to said one leg so that the free end portion thereof is laterally offset from the corresponding end portion of said one leg to facilitate insertion of said other leg into a panel opening.

2,627,095

WIRE SPRING CLIP

José Attilio Palmieri, Cordoba, Argentina
Application July 25, 1950, Serial No. 175,698
In Argentina July 25, 1949
1 Claim. (Cl. 24—139)



A clip formed of spring wire and comprising a helical spring, first and second arms extending divergently from said spring and being urged angularly apart by the latter, said first arm being longer than said second arm and curved longitudinally with its concavity facing toward said second arm to intersect and extend through the latter adjacent its free end, and laterally bent jaws formed on the free ends of said first and second arms and extending toward each other to be urged together by the resilient spreading apart of said arms, said jaws being disposed in confronting relationship to maintain the free end portions of said arms in intersecting relationship and for gripping cloth therebetween.

2,627,096

SAFETY PIN

Patrick A. Alessi, West Roxbury, Mass.
Application March 11, 1947, Serial No. 733,947
2 Claims. (Cl. 24—158)



2. A safety pin comprising a wire with a loop formed therein, said wire having end prongs of substantially the same length extending in substantially the same direction from the loop, one of said prongs being pointed, the other having at its end a short inwardly inclined bend, in combination with a guard and guide plate having the shape of a wide-mouthed U with arms forming the sides of the U, sleeves aligned one with the other formed at the ends of the arms of the U, a sleeve formed along the edge of the wide side of the U, said aligned sleeves adapted to receive the pointed prong and the other sleeve, the other prong, one of said aligned sleeves adapted to cover the point of the prong when the pin is in a closed position, means formed in one end of said sleeve along the wide side of the U for preventing said prongs from being withdrawn from the plate, and means formed in said last-mentioned sleeve at the other end for latching the prongs in place in the closed position.

2,627,097

FLEXIBLE MAGNETIC CLOSURE

Robert Ellis, Bronx, N. Y.
Application May 25, 1951, Serial No. 228,295
6 Claims. (Cl. 24—201)

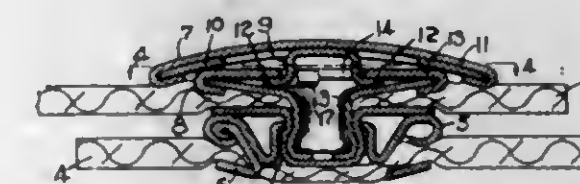


1. A flexible magnetic closure comprising two flexible strips each attached to oppositely disposed margins of a closable article, said strips forming a longitudinal closed magnetic circuit in cross-section when in closed relation, one of said strips forming a permanently magnetized substantially V-shaped horse-shoe magnet in cross-section while the associated strip consists of a magnetically attractive bar-shaped keeper in cross-section and adapted to contact the poles of said horse-shoe magnet, and a substantially V-shaped non-magnetic guide strip permanently attached to said bar-shaped keeper and adapted to fit between the poles of said V-shaped horse-shoe magnet.

2,627,098

REMOVABLE DEVICE FOR CLOTHING AND THE LIKE

Harold S. van Buren, Jr., Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application September 2, 1948, Serial No. 47,431
9 Claims. (Cl. 24—219)



1. A fastener member for securing a removable button part to articles of clothing and like supports comprising a tubular member having a shank portion for penetrating a supporting material and provided at one end with an outwardly flared peripheral flange, an attaching plate secured to and overlying said flange and provided with a central elongated aperture, a removable part provided with a shank extending from one face thereof and having opposed laterally extending ends forming an elongated locking element for insertion in the elongated aperture of said attaching plate and to be engaged under said attaching plate by relative rotation of said button, and stop means integral with said attaching plate and disposed between said attaching plate and flange for limiting rotative movement of said button and locking element in one direction.

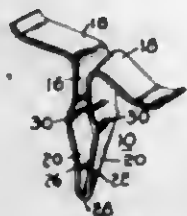
2,627,099

SELF-PIERCING FASTENER

Phillip D. Becker, Hingham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 8, 1949, Serial No. 120,231
4 Claims. (Cl. 24—213)

1. A fastener member, comprising a shank and a head disposed on the shank, said shank

comprising a pair of legs having opposing sides, said legs being joined at the end opposite the head by a diagonal fold extending from shorter edges of the legs on one side of the shank downwardly to longer edges on the other side to form a sharp point on the end of the shank which is adapted to pierce a sheet of flocculent material, at



least one of said legs having a shoulder element disposed only on the longer edge thereof and substantially opposite the end of the fold joining the shorter edges, whereby during insertion of the shoulder into a support opening, a major amount of the flexing of said legs occurs about said folded portion.

2,627,100

FORM FOR PROGRESSIVELY MOLDING CONCRETE WALLS

Tom Jelks, Chickasha, Okla.

Application December 20, 1949, Serial No. 134,112
10 Claims. (Cl. 25—131)



1. A collapsible building wall form comprising a pair of spaced parallel longitudinally disposed panels, spaced vertically disposed reinforcing studs positioned against the outer surfaces of the panels, said studs having upwardly disposed tongues with longitudinally disposed openings therethrough on the outer edges and downwardly disposed tongues with threaded sockets therein on the inner edges, the said tongues of the studs of one panel positioned to mesh with the tongues of the studs of an adjoining panel, adjusting screws extended through the openings of the tongues extended upwardly from the upper ends of the studs and positioned to be threaded into the sockets of the tongues extended downwardly on the inner edges of the lower ends of the adjoining studs, tie wires extended through the forms at spaced points, and removable spacers positioned between the upper edges of the panels.

2,627,101

PRODUCTION OF SHADED GLAZES

Leon J. Le Clercq, Glendale, Calif., assignor to Gladding, McBean & Co., Los Angeles, Calif., a corporation of California

No Drawing. Application May 2, 1949,
Serial No. 91,017

4 Claims. (Cl. 25—156)

1. A method of producing ceramic objects provided with a single continuous overglaze having areas differing in color from other areas, which comprises: applying a glaze composition containing reducible oxide coloring components to the surface of a ceramic object; applying a discontinuously associated layer of silicon carbide in a

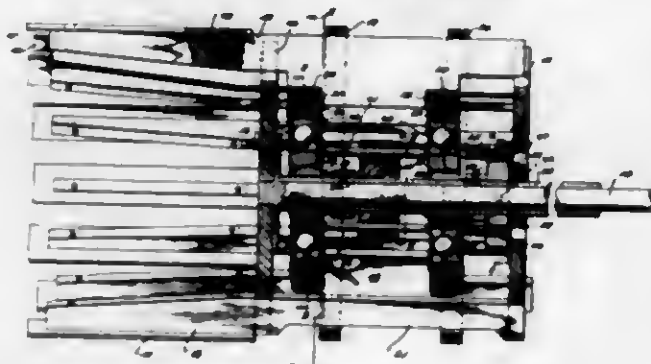
state of fine division to desired areas only of the surface covered by said glaze composition; and firing the object in an oxidizing atmosphere to mature the glaze.

2,627,102

THREAD ADVANCING REEL

William V. Henry, Candler, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application July 6, 1949, Serial No. 103,259
10 Claims. (Cl. 28—71.7)



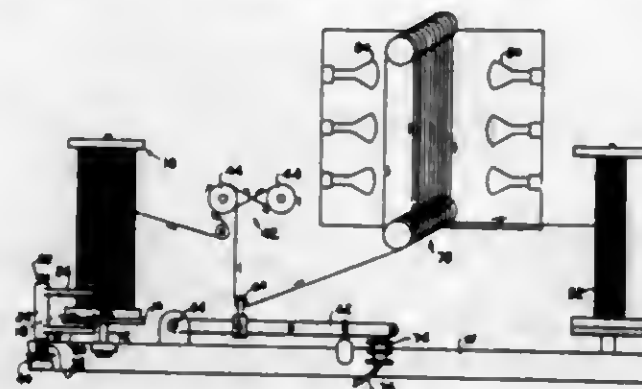
1. A thread storage, thread advancing device comprising a plurality of bars, means to support said bars from one end thereof in circumferentially spaced relationship to define a reel, means to rotate said supporting means about an axis in a plane normal to said axis, and means responsive to rotation of said supporting means to cause alternate bars successively to execute a cycle of movement including a radial reciprocation and an axial reciprocation out of phase by about 45° with the radial movement leading.

2,627,103

METHOD OF TREATING YARN, THREAD, AND THE LIKE

Harley Y. Jennings, Danville, Va., assignor to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia

Application December 6, 1947, Serial No. 790,145
1 Claim. (Cl. 28—76)



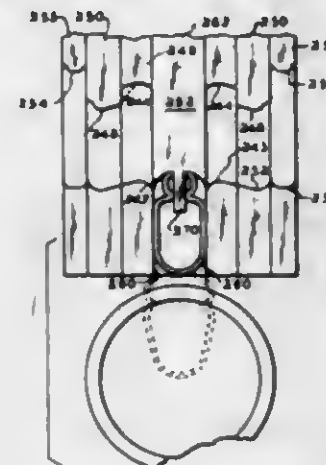
The method of treating continuously moving yarn, thread and the like to increase its strength, which comprises the steps of impregnating the thread with a bonding agent, initially applying a tension to the thread in a first zone sufficient to smooth out inequalities in its residual stretch, gripping the thread at spaced points while moving to create a locked zone and stretching the thread while wet in this locked zone to a point short of breaking, and setting the bonding agent by application of heat while maintaining a tension substantially the same as that exerted in the locked zone.

2,627,104

MACHINE FOR PRODUCING COVERS AND OPENER LEVER ASSEMBLIES

James P. Whelan, Quincy, Mass., assignor, by mesne assignments, to Judson Dunaway Corporation, Dover, N. H., a corporation of New Hampshire

Application February 20, 1947, Serial No. 729,897
5 Claims. (Cl. 29—33)



1. A machine for producing a cup-shaped and flanged cover having an opener lever extending through the wall of the cup body closely beneath the flange comprising an intermittently movable conveyor having pockets with an open side into which the covers may be placed with a side exposed, a punching mechanism adjacent the path of the cover opposite to which the pockets successively come, and comprising a die and means for temporarily lowering it into a cup on the conveyor behind the wall thereof and also comprising a punch and means for driving it through the wall into the die to slot the wall, a strip or wire material holding and forming assembly opposite a later position of the pocket, said assembly including a central guideway and laterally spaced sets of cooperating dies for successively operating upon the material to form the details of opener lever legs, means for disposing an elongated metal strip or wire material across said shaping members and spanning said guideway, a plunger member adjacent said strip position and traverse to said guideway, means to move the plunger in the direction of the guideway to urge a portion of the strip into said guideway, means for retracting said plunger transversely of the guideway, and means including a reciprocating member for engaging said strip upon retraction of said plunger and the operation of the shaping dies to force the same through said guideway to form a generally U-shaped lever and to insert it into said cover-slot.

2,627,105

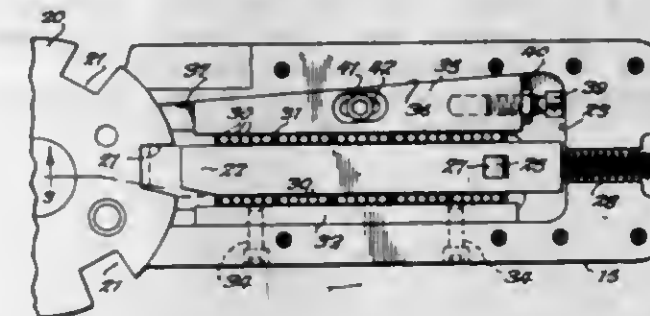
PLUNGER MOUNTING FOR TURRETS

David W. Strom, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.

Application January 25, 1946, Serial No. 643,389
3 Claims. (Cl. 29—45)

1. In a locking device for turrets of machine tools of the type in which the turret is accurately and positively locked in different successive positions by engagement therewith of a reciprocating locking plunger, that improvement which comprises a plunger, a base having a recess in which said plunger is mounted for endwise reciprocation into and out of locking position with said turret, one wall of said recess being parallel to the longitudinal axis of said plunger and to the direction of reciprocation of

said plunger, a tapered gib disposed in said recess between said plunger and another wall of said recess and extending lengthwise in said direction of reciprocation, said another wall of said recess and the abutting face of said gib making a small angle to said plunger axis so as to wedge the gib against said plunger and recess wall when said gib is moved in one direction parallel to said direction of reciprocation, roller surface bearings with retainer strips disposed between a plunger side and the gib, and also between an



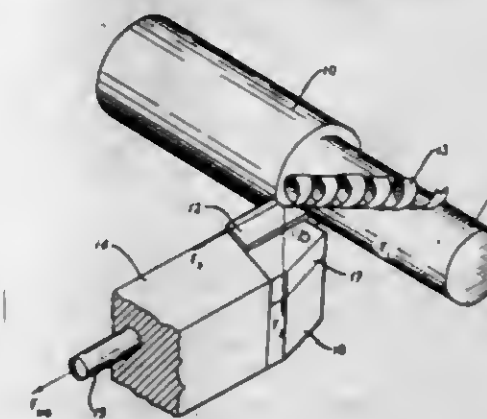
opposite plunger side and another wall of said recess, an inelastic screw device acting between said base and gib for positively forcing said gib endwise in a direction to wedge said gib against said plunger and to take up slack and preload said bearings with a desired positive pressure, said base having stops in said recess in the path of travel of said retainers for limiting their movements in directions parallel to said directions of reciprocations, and means acting between said base and plunger for retracting said plunger from engagement with said turret.

2,627,106

TOOL BIT

Henry M. Sheridan, Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn., a corporation of Connecticut

Application January 3, 1946, Serial No. 638,741
2 Claims. (Cl. 29—95)



1. A tool bit for use with a holder, said bit having two opposite sides faces, one of which is designed to engage a holder and the other of which is designed to be exposed when the tool bit is in use, and having an inner end face designed to engage a holder and an outer end face designed to be exposed when the tool bit is in use, said bit presenting a top chip engaging surface in the general form of a parallelogram defined by said faces, the inner end face and that side face of the tool bit which is designed to engage a holder being inclined with respect to said chip engaging surface and extending outward and downward therefrom, the opposite low-

er surface of the tool bit being designed to seat on a holder, the inner end of the tool bit being thicker than the outer end thereof and said lower surface having an outwardly facing clamping face thereon extending across the bit from one side face to the other and inclined inwardly and upwardly from the lower surface toward the chip engaging surface.

2,627,107 LATHE TOOL

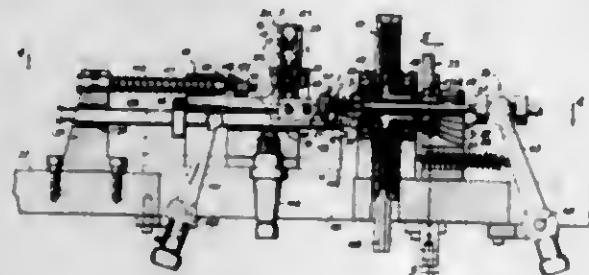
Edward J. Malco, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application February 25, 1950, Serial No. 146,301
4 Claims. (Cl. 29-96)



1. In combination with a lathe tool, a pusher positioned alongside said tool and spaced therefrom along the axis of the lathe when said tool is mounted in cutting position, and a work engaging surface on said pusher, said surface being set back of the cutting edge of said tool by an amount less than the radius of the workpiece.

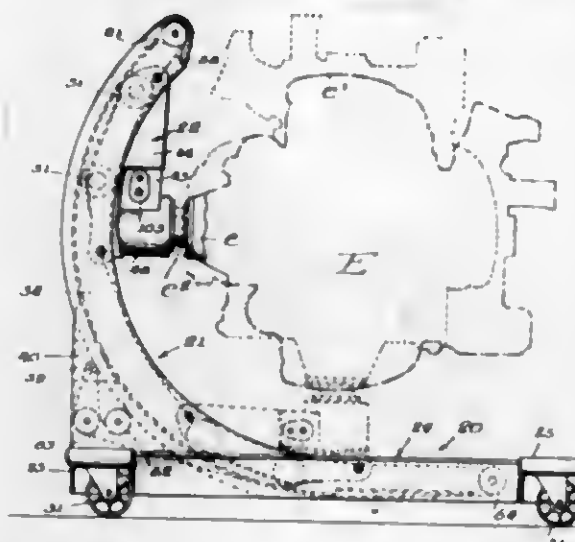
2,627,108 APPARATUS FOR ASSEMBLING THREADED PARTS

Jonathan Kludt, Overland, and Howard Parks, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application February 19, 1949, Serial No. 77,432
2 Claims. (Cl. 29-211)



1. In an assembling apparatus, a generally vertical gravity-feed magazine for holding a stack of parts, said magazine being open at its lower end, a carriage movable generally horizontally under the magazine, a part holder pivoted on the carriage to rock about a generally horizontal axis transverse to the direction of movement of the carriage, said holder having a part-receiving recess open at its top, bottom and forward faces, mechanism for moving the carriage between a retracted position wherein the recess in the holder is under the lower end of the magazine and an advanced position away from the magazine, mechanism for rocking the holder to position it with the recess vertical when the carriage is retracted and with the recess tilted when the carriage is advanced, and means movable with the carriage for closing the lower end of the recess when the carriage is retracted and as it moves to advanced position and movable relative to the carriage to open the lower end of the recess as the carriage is retracted.

2,627,109
WORKSTAND
George E. Bock, Chicago, and Eric Roberts, Harvey, Ill., and Evert C. Hokanson, Bell, Calif., assignors to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application August 31, 1948, Serial No. 47,036
4 Claims. (Cl. 29-289)



4. A workstand adapted adjustably to support an engine having a shaft with an exposed end, and comprising a base frame, a single elongated, hollow, rigid track of box-like cross section, connected fixedly to, and projecting upwards from, the base frame, curved so as to extend through a substantially 90° arc in a vertical plane, and having a longitudinal, substantially full length opening in its innermost side wall, a carriage adapted to travel in either direction along the track and embodying a roller equipped cart confined wholly within the track and a housing-like part extending through said opening and disposed for the most part exteriorly of said track, gearing adapted to move the carriage into any desired position along the track and embodying sprockets in the ends of the track and a chain extending lengthwise within the track and around the sprockets and connected to the carriage, a tubular member mounted within the housing-like part of the carriage to rotate about an axis extending radially with respect to the track, and adapted to receive the exposed end of the shaft and support the engine, and worm variety gearing within said housing-like part for rotating the member, said track being so positioned with respect to the base frame that when the carriage is at the lower end of the track the tubular member extends vertically and when the carriage is at the upper end of the track said member extends horizontally.

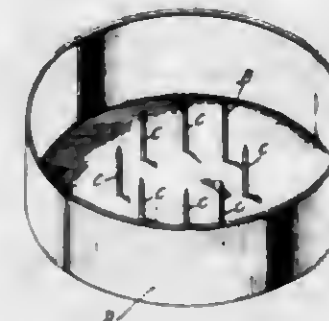
2,627,110
METHOD OF BONDING NICKEL STRUCTURES
John S. Hickey, Jr., Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 12, 1949, Serial No. 87,054
3 Claims. (Cl. 29-368)



1. A method of bonding nickel structures which comprises placing said structures in juxtaposition with a quantity of molybdenum adjacent the surfaces to be joined, and heating said structures in

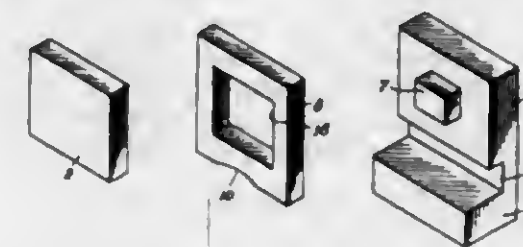
a reducing atmosphere to a temperature between the eutectic temperature of nickel and molybdenum and the melting point of nickel to form an alloy of the adjoining nickel and molybdenum surfaces.

2,627,111
CAN PERFORATOR
John McDevitt, Margate, N. J.
Application May 28, 1951, Serial No. 228,634
1 Claim. (Cl. 30-6.1)



An opener for sifter top cans comprising a cap having a flat top disc and a dependent flange on the edge of the disc to fit over top of the can to be opened and a plurality of punching elements carried by a second disc secured to the top, one of said elements being longer than the depth of said flange and the remaining elements being shorter than the depth of the flange, whereby the long element locates the opener on the can prior to the action of the remaining elements.

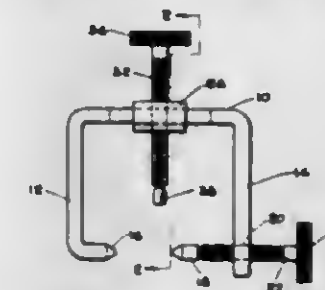
2,627,112
ORTHODONTIC APPLIANCE
Harry J. Russell, Newark, N. J., assignor to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey
Application February 20, 1952, Serial No. 272,615
23 Claims. (Cl. 32-14)



1. An orthodontic lock device comprising a lock base body structure and a locking member of substantially equal width, said body having front and rear surfaces and a lateral slot in its lower end to accommodate an arch bow, a vertical passageway formed in said body intermediate its front and rear surfaces and extending the complete width thereof to accommodate said locking member for vertical sliding movement, a lower end portion on said base for restricting downward movement of said locking member, said base structure being provided with means integral therewith and disposed in said passageway engageable with said locking member in a vertical guiding relationship and so positioned in said passageway as to allow said locking member to be raised a sufficient distance to uncover said slot, said passageway being positioned a sufficient distance transversely of the body from the base of said slot as to provide a chamber for frictional reception of said arch bow when said locking member rests against said end portion, the

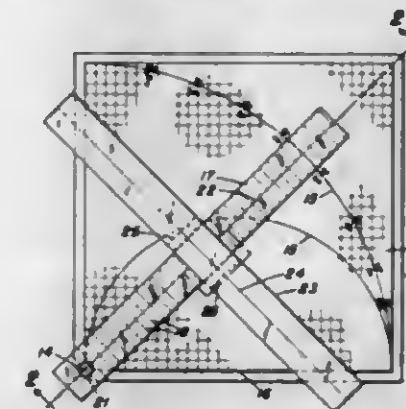
side edges of said locking member cooperating with the sides of said body member to form externally smooth side surfaces.

2,627,113
DENTAL INLAY CLAMP
Jerome I. Moray, West Orange, N. J.
Application March 26, 1951, Serial No. 217,585
4 Claims. (Cl. 32-63)



1. A dental inlay clamp comprising a support, a pair of spaced arms each depending from said support, a tooth or inlay clamping member having a working face conforming substantially to the contour of a tooth provided on each of said arms and spaced from said support, said members each being substantially perpendicular to its arm and oppositely disposed with respect to each other, means for imparting movement to at least one of said tooth or inlay clamping members, a slot provided in said support, a slide mounted on said support and movable across the slot, and a screw member having a pressure surface smaller than an entire occlusal surface threaded through said slide and passing through said slot for applying pressure in a direction perpendicular to the support upon an inlay in an occlusal surface.

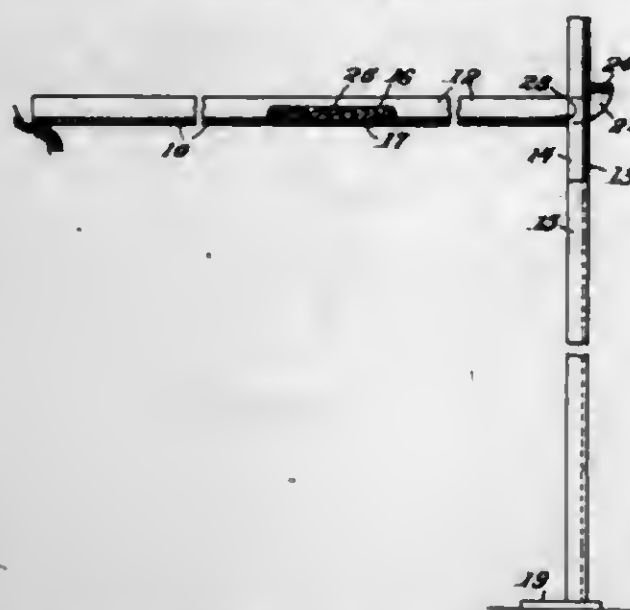
2,627,114
IMPEDANCE RULE
Noah E. Sprecher, Brooklyn, N. Y.
Application February 3, 1949, Serial No. 74,285
3 Claims. (Cl. 33-76)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. An impedance rule comprising a chart of rectangular coordinates, an arc on said chart having its center at one corner thereof and its radius equal to the length of one side thereof, a semicircle on said chart having its center at the midpoint of the lower horizontal edge thereof and its radius equal to one half the length of said side, said semicircle intersecting the center of said arc, a first straightedge pivotally mounted on said chart at said corner, and a second straightedge slidably mounted on said first straightedge for movement at right angles thereto, and in operative relation to said semicircle.

2,627,115
LEVEL

Lester H. Pippin, Hinsdale, Mont.
Application March 2, 1951, Serial No. 213,588
2 Claims. (Cl. 33—89)

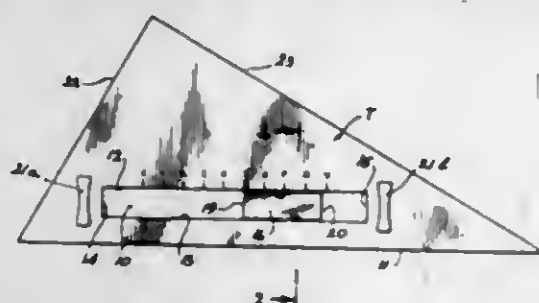


2. In a grade measuring instrument, the combination which comprises a level bar, channel shaped in cross section, having an opening through one end and a bubble glass in the intermediate part thereof, and a measuring bar also channel shape in cross section nested in the said level bar and positioned to extend through the said opening therein, said measuring bar having units of measure thereon, and said level bar having a stop plate carried by upwardly extended arcuate flanges on the end thereof and positioned on one side of the said opening therein.

2,627,116

DRAFTING INSTRUMENT

Livio Arthur Cangialosi, Brooklyn, N. Y.
Application March 26, 1951, Serial No. 217,501
3 Claims. (Cl. 33—110)



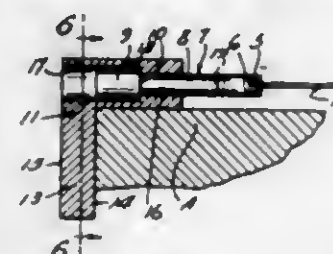
1. A draftsman's triangle for drawing a plurality of spaced parallel lines, comprising a triangle body having three side edges and an elongated slot therein extending parallel to one of said edges, opposite longitudinal side walls of the slot being grooved to form a slideway of material length, a slide member having a length dimension equal to a fraction of the slot length and having its longitudinal side edges of a configuration complementary to the grooved slideway to provide a loose fit relation therewith to thereby permit free sliding movement therebetween, the bottom face of the slide member extending below the planar face of the triangular body to abut the surface upon which the lines are to be drawn as determined by finger pressure of the user to thereby maintain the position of the member, said triangular body having its upper face provided with thumb engaging means adjacent at least one slot end for shifting the body

longitudinally of the member for positioning the body for line drawing action by thumb movement and to maintain the body in such adjusted position by downward pressure of the thumb on the body in the selected position to carry the body line drawing edge in the direction of contact with the drafting surface with the movement active to tighten the relation of the opposite faces within the slideway and thereby maintain the position of the triangle during the line drawing activity.

2,627,117

MEASURING TAPE

Harold Kragness, Canby, Minn.
Application September 26, 1951, Serial No. 248,429
3 Claims. (Cl. 33—137)



1. In a device of the class described, an elongated flexible measuring tape having markings on one side thereof at intervals to indicate the normal spacing of studdings in a frame type building structure, a slide element comprising a shank having an enlarged head portion at one end, said shank and head defining a shoulder, hinge means mounting the free end of the shank to one end of said tape for relative swinging movements with respect thereto, and a hook element having an aperture extending therethrough and defining an internal shoulder, said aperture being of a size at one side of said shoulder to slidably receive said shank and at the other side thereof to slidably receive said enlarged head, the shoulder on said slide element being engageable with said internal shoulder to limit relative sliding movements of the hook and slide elements in one direction, said hook element including a laterally projected portion having a work-engaging surface parallel to the plane of said internal shoulder and spaced from said plane a distance equal to the length of the head of said slide element.

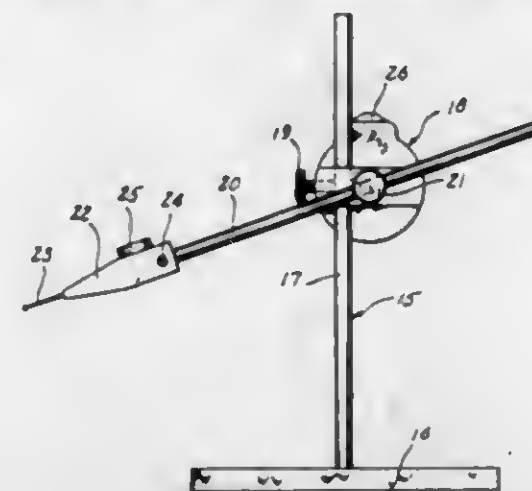
2,627,118

VERNIER CONTROLLED INDICATOR ROD CLAMP

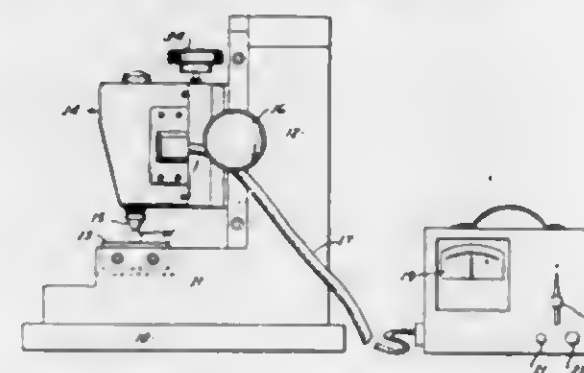
Le Roy F. Young, Barrington, R. I.
Application July 19, 1948, Serial No. 39,494
1 Claim. (Cl. 33—169)

In an indicating device, a measuring stand comprising a base, a vertically disposed upright extending upwardly from said base, a clamp adjustably connected to said upright, a measuring rod adjustably connected to said clamp, a thumb screw for maintaining said clamp immobile on said upright, a head arranged on an end of said rod, a pointer detachably connected to said head, said clamp comprising a head provided with a hole for slidably receiving said rod, a rotatable support member extending from said head, a central gear secured to said support member, a casing enclosing said gear and including a first part having a sleeve portion rotatably embracing said support member, a second part connected to said first part, a bushing arranged centrally of said second part for receiving an end of said support member, a shaft projecting

from said casing, a pinion gear mounted on the inner end of said shaft and meshing with said central gear, a knob connected to said shaft, and

2,627,119
ELECTROMAGNETIC PICKUP FOR GAUGING DEVICES

Erwin W. Graham, Parma Heights, Ohio, assignor to Cleveland Instrument Company, a corporation of Ohio
Application February 24, 1951, Serial No. 212,653
19 Claims. (Cl. 33—172)

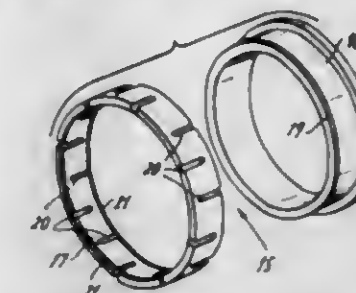


19. In a gauge, comparator or the like, a magnetic pickup comprising a frame structure, an armature supported on said frame structure for movement along its axis with respect to said frame structure, a center coil mounted in said frame structure and having a pole face extending into close proximity to the longitudinal central portion of said armature on one side thereof, a pair of coils mounted in said frame structure and having pole faces extending into close proximity to the opposite side of said armature adjacent the ends thereof, the end portions of said armature overlying each of said pole faces of said pair of coils in part only, whereby longitudinal movement of said armature with respect to said coils increases the overlap of the armature with one of said pole faces and decreases the overlap of the armature with the other of said pole faces and thereby decreases the reluctance of the magnetic circuit between said center coil and one of said pair of coils and simultaneously increases the reluctance of the magnetic circuit between said center coil and the other of said pair of coils, the configuration of said pole faces of said pair of coils substantially conforming to the configuration of the surface of said armature adjacent thereto.

2,627,120

SPACER GAUGE FOR ADJUSTABLE ROLLER BEARINGS

Sidney E. Hotchkiss, Pontiac, Mich., assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 15, 1950, Serial No. 195,769
10 Claims. (Cl. 33—181)



1. A spacer gauge for determining the distance between the cones of adjustable roller bearings under a selected preload; comprising an inner relatively rigid annular member, and an outer relatively resilient annular member, said inner and outer annular members being adapted for relative telescopic positioning responsive to the application of such selected preload.

2,627,121

LEVEL VIAL

William G. Moyer and Ralph A. Moyer, Parkers Landing, Pa., assignors to W. A. Moyer & Sons, Parkers Landing, Pa., a partnership
Application June 10, 1949, Serial No. 98,315
1 Claim. (Cl. 33—211)



A level vial comprising an elongated cylindrical longitudinally curved glass body containing a body of liquid and a gas bubble, one end of the body being closed by a flat glass wall, the other end of the body having a flat glass wall with an opening in said end wall sealed closed by a bead of metal solder which is surrounded by and united with the glass body by a ceramic metal flux while the glass body is filled with liquid, the diameter of said opening being less than the diameter of a bead which the solder will form when molten.

2,627,122

LEVEL VIAL

William G. Moyer and Ralph A. Moyer, Parkers Landing, Pa., assignors to W. A. Moyer & Sons, Parkers Landing, Pa., a partnership
Original application June 10, 1949, Serial No. 98,315. Divided and this application February 1, 1952, Serial No. 269,436
2 Claims. (Cl. 33—211)

1. A level vial comprising an elongated cylindrical longitudinally curved glass body containing a body of liquid and a gas bubble, one end of the body being closed with a flat glass wall, the other end of the body having a flat glass wall with a metal tube fused into an opening in said end wall in contact with a metal ceramic flux when the glass body is empty, the diameter of the hole in the metal tube being smaller than the diameter of a bead of metal solder when the

solder is molten, and a bead of solder applied in inward and downward on the plate, and a tongue molten condition to and united with the metal formed integral with the plate and defined by



tube to close the opening therein when the glass body contains the body of liquid.

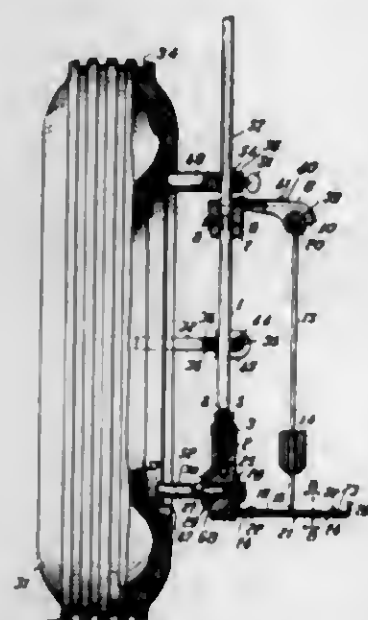
2,627,123

GAUGE FOR INDICATING CAMBER, CASTER, AND SIDE INCLINATION OF WHEELS

George H. Taber, Elmira, N. Y.

Application March 6, 1951, Serial No. 214,114

13 Claims. (Cl. 33-203.18)



1. A wheel gauge comprising a central vertical support, an arm extending outwardly from the upper portion of the support, a scale extending outwardly from the lower portion of the support, a plumb bob pointer pivotally connected to and hung from said arm and arranged for movement over said scale toward and from the vertical support, horizontal clamping bars extending from opposite sides of the vertical support and having substantially hook-shaped outer ends for engaging the tire of a wheel at the front and rear thereof, and resilient means providing the sole connection between the clamping bars and exerting inward pressure thereon longitudinally thereof for maintaining the same in clamping engagement with the tire of the wheel and for holding the support against the wheel.

2,627,124

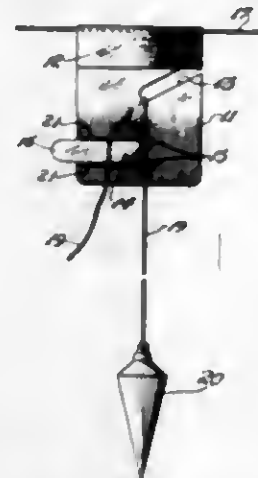
PLUMB LINE HOLDER

Alfred La Rock, Belleville, N. J.

Application May 22, 1951, Serial No. 227,722

2 Claims. (Cl. 33-217)

1. A plumb line holder comprising a slotted plate, a longitudinal bent over portion at the top of the plate extending downwardly therefrom, said slot being in one edge of the plate extending



a pair of slits extending inwardly from the opposite edge of the plate below the slot.

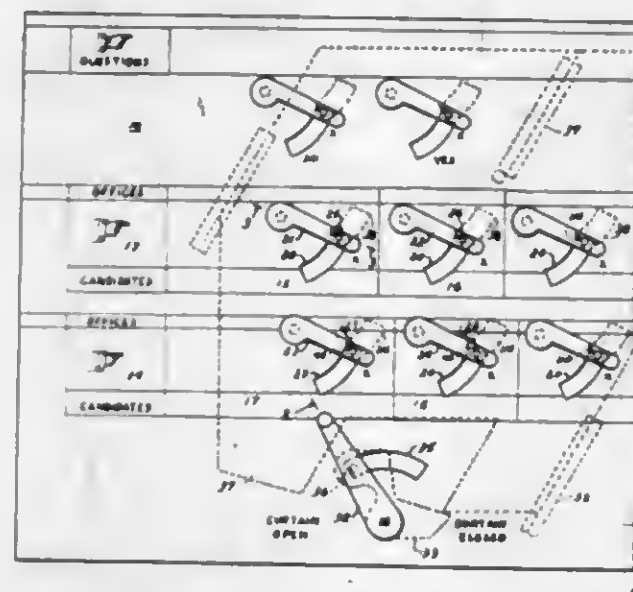
2,627,125

INSTRUCTIONAL VOTING MACHINE

Carl R. Finegan, Elyria, Ohio

Application September 4, 1951, Serial No. 244,920

1 Claim. (Cl. 35-8)



An instruction device for instructing a voter in the correct manipulation of a voting machine comprising, a keyboard having a back side and a face side with a representation of a voting machine used by the voters and including office rows of candidate names for offices, voting indicators, one for each name, pivotally mounted in rows on the face side of said keyboard with each indicator movable in a first direction angularly towards its respective name to a voted position and movable in a second direction angularly away from its respective name to a non-voted position, a single panel board reciprocally movable on the back side of said keyboard and in a line of movement other than parallel to said rows of voting indicators to a closed curtain position and to an open curtain position, said keyboard and said panel board having rows of somewhat arc shaped slots, one in each board for each indicator, and co-aligned when said panel board is in said closed curtain position, each voting indicator having a stop portion extending through the respective slot in the panel board, and a curtain handle pivotally mounted on the face side of said keyboard for movement angularly in one direction to an open curtain position and for movement angularly in the opposite direction to a closed curtain position, a control lever on the back side of said keyboard

and secured to said curtain handle for angular movement therewith and abutable against said panel board to effect movement of the panel board to its open curtain position upon movement of the control lever to its open curtain position and to effect movement of the panel board to its closed curtain position upon movement of the control lever to its closed curtain position, said panel board having portions defining ends of the respective slots and abutable against said stop portions to move the voting indicators to their non-voted position upon movement of the curtain handle and the panel board to the open curtain position.

2,627,126

DISPOSABLE FOOT SLIPPER

Olive G. France, Kent, Ohio

Application March 3, 1950, Serial No. 147,399

1 Claim. (Cl. 36-9)



A disposable slipper comprising a foot-receiving body of thin, flexible material having an elongated opening in the top extending longitudinally of the body and defined by marginal edge portions extending from the rear of the body and converging to a point at substantially the rear end of the toe portion, said marginal edge portions being hemmed around the rear of the opening and forwardly to terminal points intermediate the length of said opening at opposite sides thereof in the instep region of said body, said hemmed portions being stitched with elastic stitching yieldingly drawing the corresponding portions of the body into shirred condition, said elastic stitching being anchored at said terminal points and the stitching thereby making the hemmed portion yieldingly expandable, said forward unhemmed marginal portions of said opening from said terminal points to said point of convergence being of substantial length and being free and unrestricted other than by the material of the body.

2,627,127

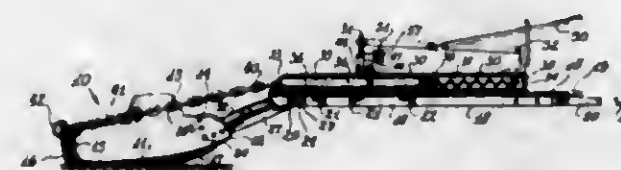
LATCH MECHANISM FOR ADJUSTING DRAG SCRAPER OPERATION

Joseph Bernard, Fils, Ste-Germaine, Quebec, Canada

Application August 15, 1951, Serial No. 241,933

In Canada September 12, 1950

2 Claims. (Cl. 37-138)



1. A drag scraper comprising a scoop, an elongated beam having means at its forward end for connection with a tractor or the like, a cross member rigidly secured to said beam near the rear end

667 O. G.-5

thereof, link members pivoted intermediate their ends on the ends of said cross member, and pivotally connected at their rear end to the forward side portions of said scoop, stops mounted on said beam to limit the forward pivoting movement of said link members by abutting the forward end thereof, a flexible link member attached to the rear portion of said scoop, spring means on said beam connected to said flexible link member to urge the same forwardly, and latch means to lock said flexible link member in a number of adjusted positions relatively to said beam, said elongated beam comprising a hollow portion extending longitudinally thereof, said spring means comprising a spring secured to the forward end of said hollow portion and extending within the same, a notched elongated member slidable within said hollow portion and attached at one end to the other end of said spring, said flexible link member secured to the other end of said notched member, said hollow portion having at least one aperture, the notches of said notched member adapted to register with said aperture, and said latch means comprising a latch bar adapted to removably engage said aperture and either one of said notches.

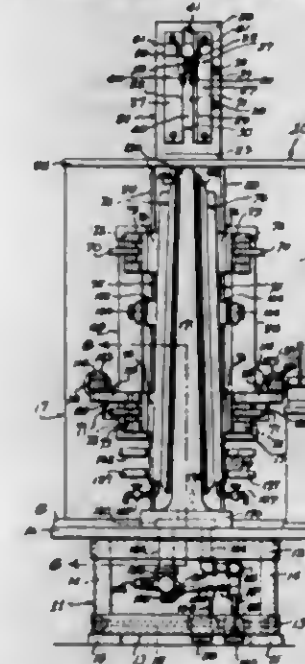
2,627,128

VERTICAL TROUSER PRESSING MACHINE

Arthur B. Jones, Detroit, Mich.

Application July 26, 1950, Serial No. 175,905

2 Claims. (Cl. 38-21)



1. A vertical trousers pressing machine comprising a vertically-disposed hollow elongated inner pressing member, a supporting structure, a pair of vertically-disposed hollow elongated outer pressing members disposed on opposite sides of said inner pressing member and pivotally connected to said supporting structure for motion toward and away from said inner pressing member, and heating fluid supply and discharge conduits connected to said pressing members, and a trousers holder connected to said supporting structure and overhanging said pressing members, said trousers holder having a horizontal trousers supporting elements, clamps thereon having opposed clamping elements engageable with the trousers waistband on opposite sides of the trousers for securing the trousers waistband thereto, a vertically-movable element connected to said supporting element, and a parallel linkage pivotally mounted on said supporting structure and pivotally connected to said vertically-movable element.

2,627,129

TIE AND GARMENT PRESS

Horace Alexander Holt, Kent, England
Application October 27, 1949, Serial No. 123,835
In Great Britain June 20, 1949
6 Claims. (Cl. 38-71)

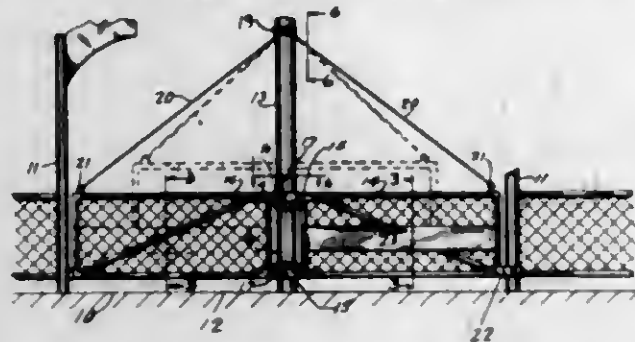


6. A press for articles of wear comprising a pair of relatively movable tapered members adapted to grip and press an article of wear positioned therebetween and having converging sides and substantially flat article engaging surfaces, and means effective upon relative longitudinal movement of said members to urge the said surfaces into pressing engagement with the said article, the said means comprising inwardly inclined walls along the sides of one member adapted to engage the side edges of the other member to effect progressive approximation of the members one to the other in a direction normal to the said surfaces whereby the said pressing engagement is effective at varying distances of separation in the said direction of the two members.

2,627,130

AUTOMATIC VEHICLE OPERATED GRAVITY CLOSURE

William J. Salter, Wheatridge, Colo.
Application September 29, 1950, Serial No. 187,430
1 Claim. (Cl. 39-53)



A gate for closing an opening in a fence or the like, comprising a stationary vertical post positioned at the center of the opening, a gate having a length substantially equal to the length of the opening, connected at its middle point with the post for limited angular movement about the axis of the post, a cable connected with each upper end corner of the gate, said cables having their upper ends connected with the post at points spaced from the center thereof, said points being on opposite sides of a diameter of the post and on opposite sides of the plane of the gate when the latter is in closed position, the cables being of such length that the gate is supported entirely by them, whereby when the gate is turned about the post it will be moved vertically and whereby it will tend to return to its lowermost position.

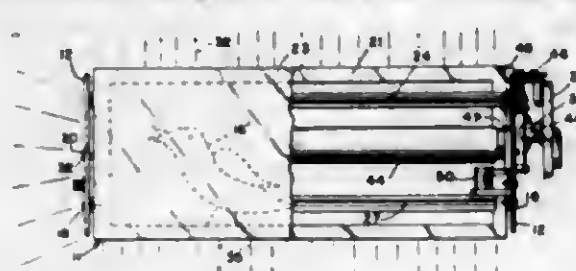
2,627,131

FLUORESCENTLY ILLUMINATED LAMP SHADE STRUCTURE WITH ANGULARLY ADJUSTABLE PANELS

Donald Charleston, Chicago, Ill.
Application May 5, 1952, Serial No. 286,145
12 Claims. (Cl. 40-130)

1. Combination fluorescent illuminating and advertising display means, comprising a pair of

end panels including an attaching panel and a front panel, fluorescent means secured perpendicularly to the said attaching panel substantially at its geometric center, two pairs of braces each pair in intimate contacting relationships and provided with bent end portions secured to the top and bottom edges of the said front panel and

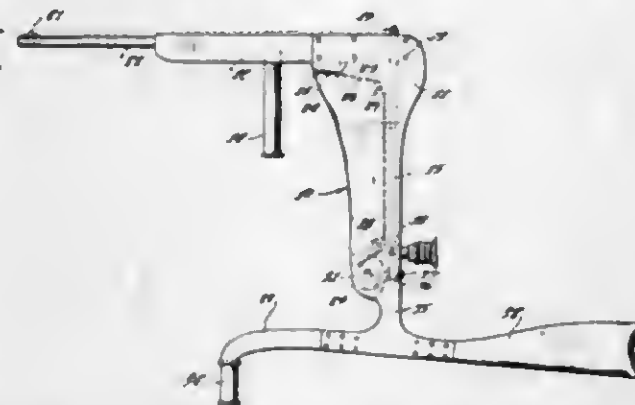


the said attaching panel, oblique open slotted portions on the side laterals of the said front panel and the said attaching panel, and a pair of side panels adapted to fit between the said front panel and the said attaching panel and provided with trunnions on opposed edges thereof adapted to fit removably and interchangeably in the said oblique open slotted portions.

2,627,132

DROPPED GUN STOCK FOR AUTOMATIC GUNS

Simonas Dolgacius, Chicago, Ill.
Application November 22, 1950, Serial No. 197,159
1 Claim. (Cl. 42-1)



In combination, an upright assembly having spaced plates, each of said plates having an enlarged upper head portion, an automatic gun connected to the upper ends of said plates and therebetween to extend forwardly thereof, said gun having a trigger, a spring connected to the trigger and anchored to one of the plates to urge the trigger forwardly, vertically spaced pulleys disposed between the upstanding plates, a cable extending from the trigger downwardly over said pulleys and forwardly under the lower pulley, a trigger lever pivotally connected between the plates and connected to said cable forwardly of the lower pulley, said plates of the upright assembly being narrow at their lower ends to permit the hand to be wrapped about the same, said trigger lever being accessible with the trigger finger of the user of the gun, a gun stock connected to the lower end of the assembly and the forwardly extending hand supporting portion extending forwardly from the lower end of the upright assembly, said gun having a front sight on its forward end, a periscope connected between the plates of the upright assembly and having upper and lower prism elements, the upper end of said periscope extending above the gun for the alignment of the upper prism element with the front sight, an eye piece extending from the periscope and in alignment with

the lower prism, a bracket support disposed between said plates to receive and retain said periscope in a vertical position between said plates and having a clamping screw for holding the periscope within said bracket.

2,627,133

FISHING LINE AND LURE CLAMP FOR FISHING POLES

Delmer I. Fletcher, Bakersfield, Calif.
Application August 13, 1949, Serial No. 110,199
6 Claims. (Cl. 43-25.2)

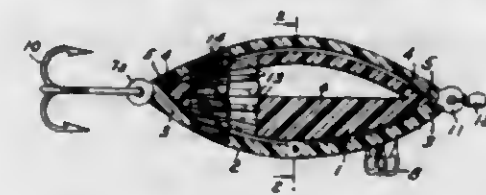


1. A fishing line and lure clamp for fishing poles comprising a pair of complementary hollow half sections, the concave faces of both of the sections facing each other and adjacent edges having recesses to receive a fishing pole therebetween, spring means engaging and pressing both of the sections together to grip the fishing pole and line, both of said half sections being formed of deformable non-metallic material.

2,627,134

FISH LURE

James F. Fitzgerald, New York, N. Y.
Application June 25, 1951, Serial No. 233,288
2 Claims. (Cl. 43-42.06)



1. A streamlined transparent fish lure comprising an elongated, hollow body statically unbalanced, said body being provided at its opposite ends with openings forming journal bearings and ports in said bearings for the admission of water to and from the interior of the body, a second body within said hollow body provided at its opposite ends with longitudinally projecting shaft members disposed within the corresponding bearings in said hollow body, said bodies being relatively rotatable about a common longitudinal axis, means on one of said bodies acting to impart rotary movement thereto as said lure is drawn through the water, and means at the ends of said second body for connecting a fish line and a hook thereto.

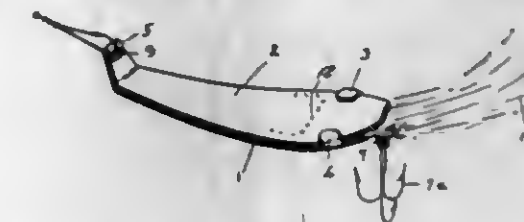
2,627,135

ARTIFICIAL BAIT

Charles J. Franklin, Rochester, N. Y.
Application October 23, 1946, Serial No. 705,191
10 Claims. (Cl. 43-42.28)

9. An artificial bait comprising a resilient plate having a generally elongated oval shape, said plate being slightly concave lengthwise thereof, and having a short end portion at the leading end bent upwardly at an angle of approximately 45°, said end portion having means for attaching a

line adjacent the tip end thereof, means for securing a hook in the trailing end, a series of upwardly projecting indentations arranged on a line extending transversely across the plate adjacent its widest portion, a second resilient plate having a generally elongated oval shape and adapted to lie on the first plate, the contour of the second plate lying along and within the contour of the first-named plate, said last-named plate having a series of downwardly projecting indentations arranged on a line extending trans-

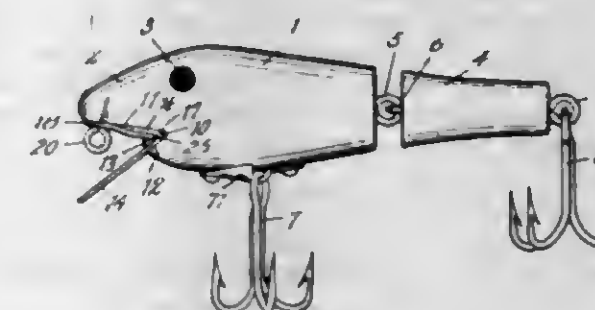


versely across the plate adjacent its widest portion, and means for securing said plates together with the indentations of one plate parallel to, facing, and immediately adjacent the indentations of the other plate, said last-named means being spaced from said indentations, and being adapted to resiliently urge the widest portions of both plates toward one another whereby to provide by said indentations a resilient grip between said plates for holding a cluster of feathers or the like.

2,627,136

FISH BAIT OR LURE

Clyde C. Sinclair, Paw Paw, Mich., assignor to Paw Paw Bait Company, Paw Paw, Mich.
Application June 2, 1949, Serial No. 96,633
5 Claims. (Cl. 43-42.47)

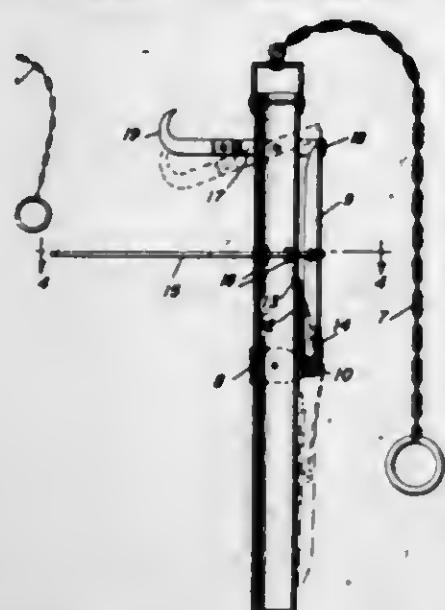


1. A fish bait or lure comprising a rearwardly tapered front body member, a rearwardly tapered rear body member, the front end of the rear body member being connected to the rear end of the front body member, the head portion of the front body member having an undercut providing a forwardly facing V-shaped recess having a central vertical rib at the bottom thereof, the upper wall of the recess being extended into a flat downwardly facing surface extending to the tip of the body member, a blade notched to receive said rib disposed on the lower wall of the recess to project downwardly and forwardly therefrom and having angularly disposed arms engaging the upper wall of the recess, a clamping plate notched to receive said rib disposed on the upper wall of the recess with its rear end in overlapping engagement with said blade arms, an attaching screw securing said plate in clamping engagement with said blade arms and coacting with said rib in supporting said blade, the screw having an eye constituting a line attaching element, and hooks, one hook being secured to the under side of the front body member at the rear of the blade and the other to the rear end of the rear body member.

2,627,137

ANIMAL TRAP

Hans A. Koski, Wolf Creek, Mont.

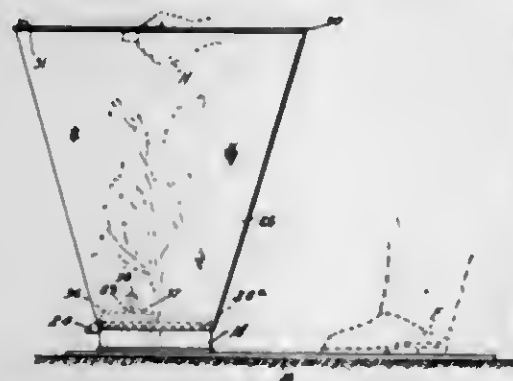
Application January 22, 1951, Serial No. 207,150
3 Claims. (Cl. 43-37)

3. An animal trap adapted to be suspended above the ground including an elongated body, a suspension attachment on the upper end of said body, a U-shaped support member secured intermediate the ends of said body, a pivot pin secured to said support member, a lever having one end pivoted on said pivot pin, a coil spring mounted on said pivot pin having an arm engaging said body and another arm biasing said lever away from said body, an animal actuated trip member pivoted adjacent one end of said body and engaging the other end of said lever, said lever extending parallel to said body, and a wire snare slidably supported by the body for movement transversely thereof and including a contractible loop portion, said snare having its ends secured to said lever intermediate the ends thereof, said snare being constricted by release of the lever by the trip member.

2,627,138

POTATO BUG CATCHING APPARATUS

Samuel A. Stanton, Neosho, Mo.

Application March 16, 1949, Serial No. 81,661
5 Claims. (Cl. 43-133)

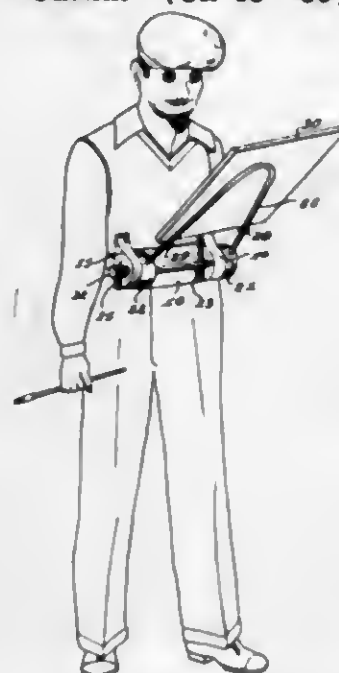
1. An apparatus of the class described comprising a supporting panel having a longitudinally extending slot with an entrance opening at one end thereof, a base carried by the panel and having a plant receiving channelway registering with said slot and having an entrance opening in line with the entrance opening of the panel, said base having bug collecting pockets at opposite sides of the channelway, an upwardly and outwardly flaring flexible bag secured at one end to said base and having its opposite outer end free, the

bag extending laterally beyond the base, the bag being adapted to be raised to an extended position from a collapsed position, the bag having a plant entrance slit registering with said entrance openings of the slot in the panel and the channelway, a split closure band carried by the outer free end of said bag, means for releasably holding the split closure band in a closed position to close the upper end of said slit, and weighted elements carried by the inner face of said bag at the opposite end of said slit for closing said opposite end of said slit when the bag is raised to an extended position.

2,627,139

BODY SUPPORTED EASEL

Franklin A. Davidson, Statesville, N. C.

Application November 21, 1950, Serial No. 196,859
1 Claim. (Cl. 45-59)

A body supported easel comprising a longitudinally curved elongated plate of rigid material, straps of flexible material secured one to each end of said plate and extending therefrom, means on at least one of said straps for adjustably securing said straps together about the body of a person supporting the easel, apertured brackets secured to the convex side of said plate one at each end thereof, a U shaped ball, apertured blocks secured one to each end of said ball and respectively disposed at corresponding sides of said brackets, a rod extending through said blocks and said brackets and secured to said blocks, a spring abutment on one end of said rod, a spring disposed between said abutments and the adjacent bracket resiliently urging said blocks into contact with the corresponding brackets, at least one of said brackets having a circular series of recesses in the surface thereof opposed to the adjacent block, a detent carried by said adjacent block and selectively engageable in said recesses to support said ball in various positions of angular adjustment relative to said plate, clips secured on said ball one adjacent each of said blocks, and a board mounted on said ball and secured in position thereon by said clips.

2,627,140

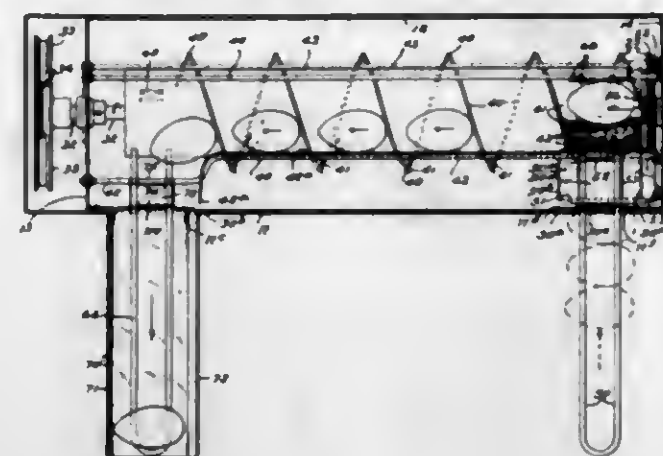
EGG SCOURING MACHINE

Norbert F. Marzolf, Strykersville, N. Y., assignor, by mesne assignments, to Paul L. Marzolf, Strykersville, N. Y.

Application September 28, 1948, Serial No. 51,509
2 Claims. (Cl. 51-22)

1. In mechanism of the class described, in combination, a frame, a rotary screw conveyor jour-

nalled in said frame with its axis horizontal, a scrubber shaft carrying flexible scouring means of sufficient size to touch objects traveling on said conveyor journaled in said frame in parallel spaced relation to the axis of said conveyor and extending longitudinally thereof, an inlet trough at one end of said conveyor, an outlet trough at the other end thereof, and means for

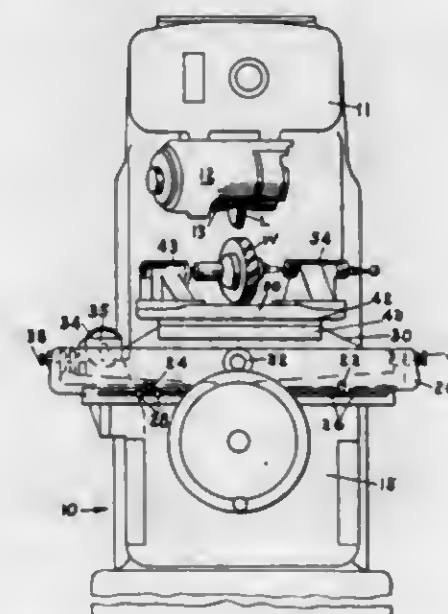


admitting objects to be washed from said inlet trough to said conveyor one at a time, said means including a pair of fingers movable into and out of the path over said trough to said conveyor, said fingers being disposed longitudinally of said path, and operable alternately into and out of said path, in such a manner that one of said fingers is always in said path.

2,627,141

GEAR FINISHING MACHINE

Walter S. Praeg, Detroit, Mich., assignor to National Broach and Machine Company, Detroit, Mich., a corporation of Michigan

Application November 8, 1948, Serial No. 58,895
17 Claims. (Cl. 51-95)

11. In a gear finishing machine, a first spindle, a spindle support movable toward and away from said first spindle, a second spindle on said support, means operable to bias said spindle support toward said first spindle, cam means operable to move said spindle support away from said first spindle, and power actuated rigid abutment means operable to lock said spindle support in any intermediate position as determined by engagement between a gear and gear-like tool carried by said spindles.

2,627,142

GRINDING ATTACHMENT FOR LAWN MOWER SHARPENING MACHINES

James M. Pickel, Kansas City, Mo., assignor to Oscar C. Rink, Liberty, Mo.

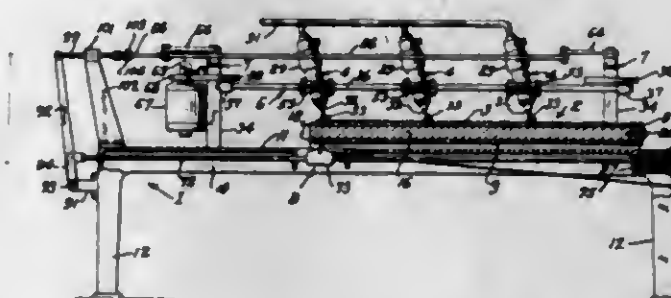
Application April 27, 1950, Serial No. 158,445
3 Claims. (Cl. 51-34)

1. In combination with a machine having a standard and an elongated platform carried on the standard and provided with a work support at an end of the platform adapted for mounting a blade to be sharpened, an attachment including a channel-shaped rail having the web portion thereof seated on the platform, a stud fixed to the rail and extending downwardly through the platform, clamping means on the stud for anchoring the rail in fixed position on the platform, arms fixed to the ends of the rail and projecting beyond the end of the platform having the work support, a track member supported in the channel-shaped rail, studs carried by the projecting ends of the arms, a track member having support by the studs and adapted to be raised and lowered with respect to the other track member upon adjusting the studs, a base, means carried by the base tiltably mounted on the track members and having support on the track members, and a motor driven tool on said base.

2,627,143

MACHINE FOR GRINDING FILES

Thomas W. Beyer, San Rafael, Calif.

Application July 5, 1950, Serial No. 174,110
15 Claims. (Cl. 51-55)

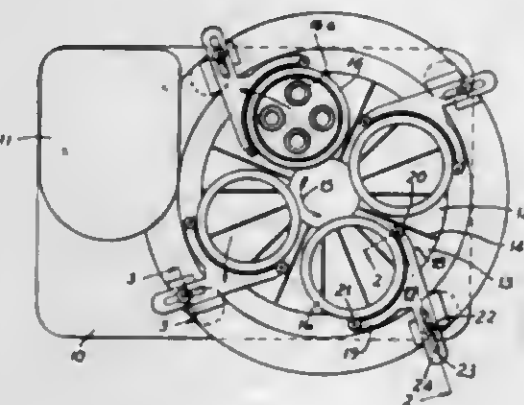
1. In a machine for grinding the heel of an arcuate tooth of a file, a carriage to hold the file to be ground, a grinding element with a flat grinding face fitting over the angle of said heel, a grinding tool for supporting and rotating said grinding element in contact with said heel of said tooth, and an oscillating device to oscillate said grinding tool and said grinding element across said file on an arc conforming to the arc of said tooth, said carriage including a generally flat

support adapted to support said file on its top, a master file held on the underside of said flat support in alignment with said first file, and means coating with said oscillating device and engaging said master file to advance said support and said files one tooth distance after the completion of each oscillation of said oscillating device.

2,627,144

LAPPING MACHINE

Raymond G. Roshong, North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application March 21, 1950, Serial No. 150,978
3 Claims. (Cl. 51-129)



1. In a machine for lapping a true surface of predetermined contour upon an article, a stationary machine framework, a lap plate having a lap surface adapted to receive the article thereon and capable of producing the desired surface on the article by relative movement between the lap surface and article, means for rotating the lap plate, said framework including a support positioned adjacent an edge of the lap plate and slightly above the general plane of the lap surface thereof, a generally circular conditioning ring and article holder loosely positioned on the lap surface and adapted to wear said lap surface upon relative movement between the ring and lap surface, said conditioning ring being adapted to receive therein an article undergoing lapping, a yoke assembly for restraining said conditioning ring against revolution about the vertical axis of rotation of the lap plate while permitting independent rotation of the ring about its own axis, said yoke assembly including a yoke proper having a pair of yoke arms, an antifriction member mounted on each yoke arm, means for securing said yoke to said support in a position wherein said antifriction members closely overlie the plane of said lap plate and engage the outer periphery of the conditioning ring at spaced points therearound and subtend an arcuate increment of the ring therebetween, said antifriction members being so positioned above the plane of the lap plate that the resultant vectorial force exerted upon the ring during rotation of the lap plate is directed between said antifriction members to thus prevent revolution of the conditioning ring about the lap plate axis, said yoke arms each being disposed wholly outside the confines of the conditioning ring when the latter is in position between said antifriction members.

2,627,145
CONFORMABLE ABRASIVE-COATED SHEET MATERIAL
Rudolph S. Frigstad, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application August 13, 1948, Serial No. 44,233
4 Claims. (Cl. 51-185)



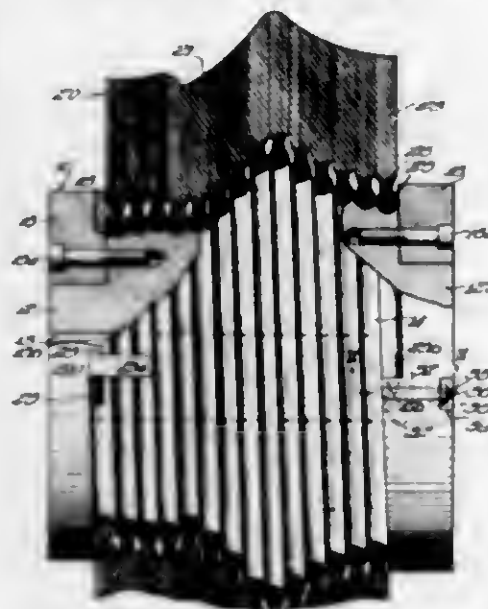
Abrasive sheet material comprising abrasive grits bonded to a resin-impregnated multilaterally stretchable fibrous base sheet.

1. A waterproof flexible abrasive sheet material of high initial flexibility and of high efficiency in the presence of water, having a degree of stretch at break in any direction equivalent to at least about one-third of the initial length and capable of conforming to irregular surfaces by substantial universal stretching under tension both in the dry state and after prolonged immersion in water, said sheet comprising: a multilaterally stretchable fibrous base sheet characterized by a plurality of crossing sets of creping crinkles; a resinous impregnating and strengthening agent for said sheet comprising a thermoplastic film-forming waterproof synthetic resin; a resinous binder coat; and a layer of abrasive grits embedded in said binder coat.

2,627,148

BUFFING WHEEL

George Albert Lyon, Detroit, Mich.
Application December 29, 1949, Serial No. 135,674
2 Claims. (Cl. 51-193)



1. In a wheel structure, a core, a continuous cable wound under tension on said core, surface treating material projecting radially from said cable and wound with said cable tightly on said core, said core having a recess therein adjacent one end thereof, a block disposed in said recess, means for securing one end portion of said cable to said block, said block extending under at least the first convolution of said cable and being locked in said recess by said cable, and means for securing the other end of said cable to said core.

2,627,147
TOOLHOLDER FOR GRINDING PURPOSES
Vern S. Roach, Wichita, Kans.
Application January 23, 1950, Serial No. 140,007
3 Claims. (Cl. 51-220)



1. A tool holder device of the kind described; said tool holder device comprising the combination of a barrel having a tool holder jaw integrally formed thereon and extending longitudinally from one end thereof and being wholly positioned on one side of the center axis of the barrel, one half of the end of the barrel opposite the said tool holder jaw being bevelled rearwardly from the outside toward the center axis of the barrel, a second tool holder jaw, said second tool holder jaw being substantially the same length of, and being positionable over the first said jaw, one end of the second said jaw having an internally threaded sleeve integrally formed thereon that is positioned concentrically about the center axis of the said barrel, one side of said sleeve being bevelled and being engageable with the aforesaid bevel on said barrel, a rotatable adjustment element, said rotatable adjustment element being revolvably positioned within said barrel and having one end thereof threaded into the said jaw sleeve, and stop means on said adjustment element and engaging the rear end of the barrel, an adjustable tool stop, said tool stop being threaded into the said adjustment element and extending therethrough and also through the first said adjustment element and between said jaws to engage the rear end of a tool held between said jaws to hold the tool in longitudinally adjusted position between the said jaws.

2,627,148
PROCESS FOR CLEANING SPARK PLUGS
AND COMPOSITION THEREFOR

Taine G. McDougal and Earl W. Pierce, Flint, and Wilfred A. Bychinsky, Ann Arbor, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application June 16, 1949, Serial No. 99,571
2 Claims. (Cl. 51-281)

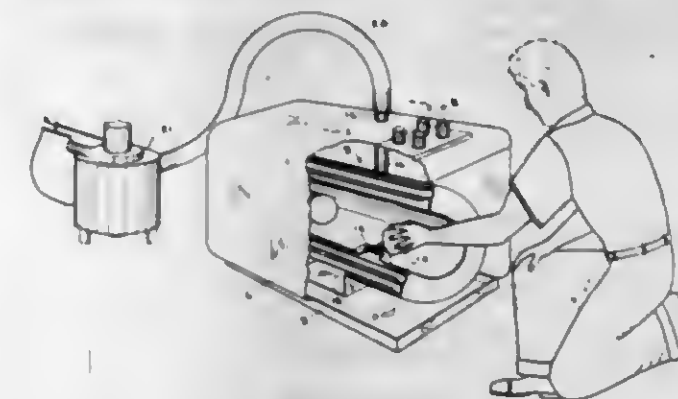
2. In a process for cleaning spark plugs, the step of applying a cleaning composition consisting of a mixture by weight of from .25 to 2.0% bentonite, from 2.8 to 23% water, from 40 to 65% powdered feldspar abrasive and the balance diethylene glycol monobutyl ether, between a tool and the spark plug and moving said tool and spark plug with respect to each other to clean said spark plug.

2,627,149
METHOD OF CLEANING DEPOSITS OF SOOT
AND THE LIKE FROM PASSAGES

Calvin D. MacCracken, Tenafly, N. J., assignor to Jet-Heet, Inc., Englewood, N. J., a corporation of New York
Application August 30, 1950, Serial No. 182,377
4 Claims. (Cl. 51-282)

1. The method of cleaning sooty and like deposits from a passage which comprises establishing and maintaining a rapid flow of substantially dry gas through the passage, and feeding into the

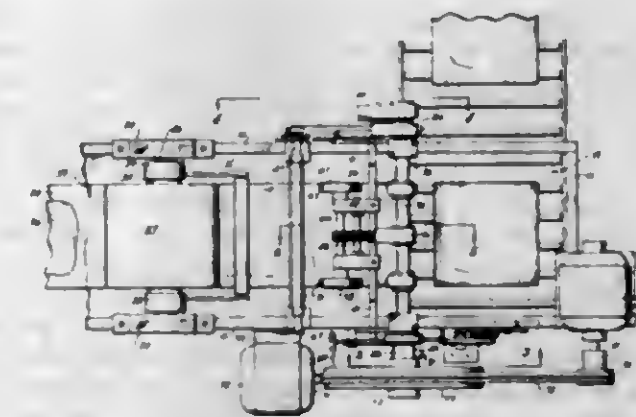
stream of gas small hard flakes, of the approximate size of flax-seed, of a granular absorbent



material sufficiently light in weight to be borne by said stream.

2,627,150
PACKAGE FORMING AND SEALING
MACHINE

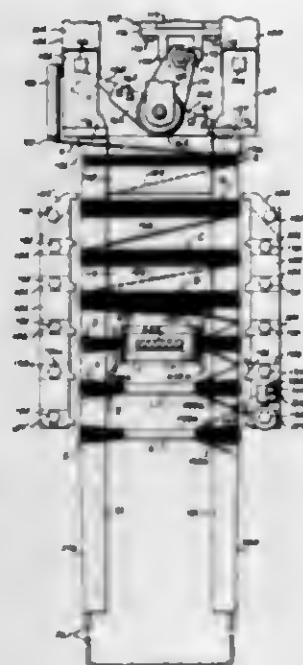
Vao L. Cheney, San Leandro, and Max E. Toby, San Francisco, Calif., assignors to Chip Steak Company, Oakland, Calif., a corporation of California
Application May 31, 1949, Serial No. 96,298
10 Claims. (Cl. 53-25)



2. A package forming and sealing machine comprising guide means along which superposed strips of package forming material having interposed therebetween relatively spaced articles to be packaged may be moved, means intermittently tractionably engageable with said strips for moving the latter and said articles along said guide means in measured increments equivalent to the relative spacing between said articles, means carried by said strip moving means and engageable with opposite sides of said strips for sealing together continuous spaced primary areas of said strips and operative between increments of movement thereof for sealing together said strips in spaced transverse secondary areas thereof intermediate the positions of said articles and intersecting said primary sealed areas; means engageable with said strips and operative between said increments of movement thereof for cutting sections therefrom in said secondary transversely extending sealed areas, control means associated with and for governing operation of said strip moving, sealing and cutting means, and elements carried by one of said strips for actuating said control means.

2,627,151

SKEIN WINDING AND BANDING MACHINE
Newman McIntyre, Shelby, N. C., assignor to
Lily Mills Company, Shelby, N. C., a corpora-
tion of North Carolina
Application July 2, 1951, Serial No. 234,867
16 Claims. (Cl. 53-25)



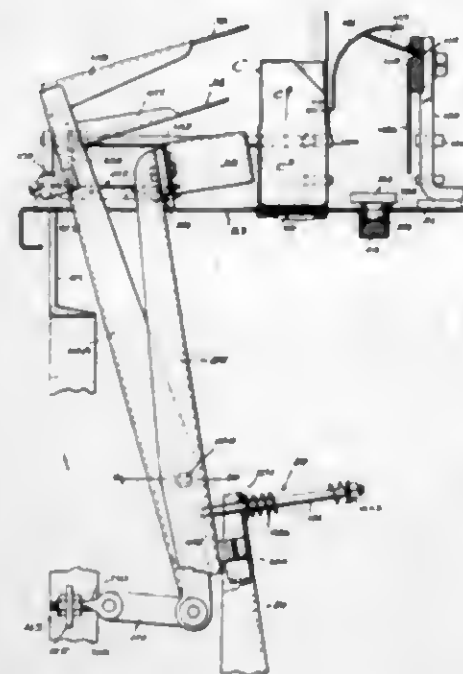
1. In a winding machine of the type described, the combination of a skein holder comprising two bars arranged side-by-side and spaced apart, means for winding a yarn over the corresponding ends of the bars to form skeins successively, a driven rotatable member carrying said winding means, means for feeding the skeins along the bars, means slidably carried by the rotatable member for supporting the bars at the ends thereof adjacent the means for winding the yarn over the corresponding ends of the bars, guide members disposed adjacent the outer surfaces of said bars and spaced therefrom, a reciprocating locking device carried by the slidable means on the rotatable member and alternately engaging the guide member adjacent one of the bars while being free of the guide member adjacent the other of the bars and vice versa to permit the means for winding a yarn over the corresponding ends of the bars to pass between the guide members and the reciprocating locking device.

2,627,152

AUTOMATIC CARTON CLOSING MACHINE
Bertie S. Harrington, Chicago, Ill., assignor to
Armour and Company, Chicago, Ill., a corpora-
tion of Illinois
Application March 13, 1948, Serial No. 14,672
60 Claims. (Cl. 53-44)

58. In a machine having a substantially horizontal support and adapted automatically to close cartons of the type that embodies a box-like substance-containing carton with a hinged upstanding tongue equipped cover on its back wall, an elevating rail mounted along said support and an extension finger in spaced and substantially parallel relation above said rail, said rail and finger being arranged and adapted when a carton is positioned therebetween to support the carton only adjacent the back wall of the carton and

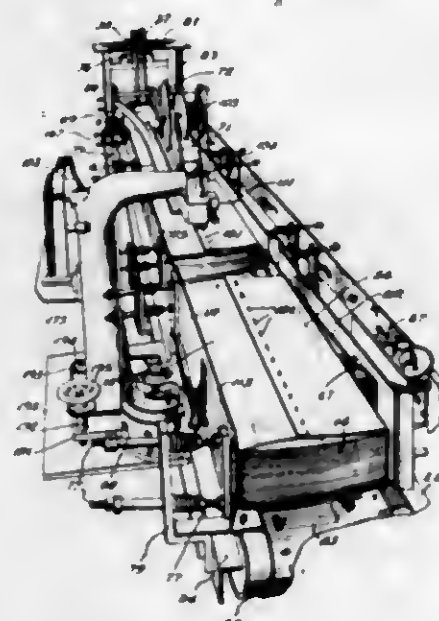
in a position elevated with respect to said horizontal support to the end that the substance with-



in the carton tends to bulge outwards the front wall of the carton.

2,627,153

BANDING OF ROOFING MATERIAL
Felix Stencil, Portland, Oreg., assignor to Lloyd
A. Fry Roofing Company, Chicago, Ill., a corpora-
tion of Delaware
Application December 18, 1948, Serial No. 65,687
11 Claims. (Cl. 53-59)

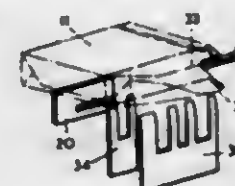


1. A packaging machine comprising, a first conveyor section for advancing rectangular packages containing stacks of sheet material encased in wrappers along a horizontal course of travel, a second conveyor section in alignment with said first conveyor section, a stitching apparatus located within the range of said second conveyor section for applying a series of stitching elements upon the wrappers encasing said packages, and a device located intermediate said first and second conveyor sections for compressing said packages to reduce their girth as they approach said stitching apparatus comprising opposed side pressure elements and a deflecting center pressure element.

2,627,154

WRAPPING MACHINERY

Alfred German Rose and Frederick Henry Pearson, Gainsborough, England, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England
Application April 20, 1950, Serial No. 157,088
In Great Britain April 29, 1949
4 Claims. (Cl. 53-124)



1. A wrapping machine of the type described in which a conveyor is provided for passing a succession of articles and wrappers through a folding channel in which each wrapper is folded about its article in the form of an open-ended pouch with portions of the wrapper extending rearwardly from the sides and the upper and lower faces of the articles, said machine comprising a tucking transfer member of an effective width substantially equal to the thickness of the article and disposed on one side of the path of movement of the articles, a non-tucking transfer member of a width substantially less than the thickness of the article and disposed on the opposite side of said path of movement, operating means for causing said transfer members substantially synchronously to move in closed paths firstly into engagement with the rear end face of each article in turn, then forwardly to transfer the article from the conveyor to an end-folding station and then out of engagement with said end face, such movement of the tucking transfer member causing the portion of the wrapper extending from the adjacent side of the article to fold inwardly on to the rear end face of the article so as to form an end tuck while the movement of the non-tucking member causes the portion of the wrapper extending from the opposite side of the article to be temporarily held against said end face, an end-folding device, means operating in timed relationship with said operating means for causing said device firstly to move into engagement with the portion of the wrapper extending from a face of the article adjacent the end tuck to cause that portion to fold towards the rear end face of the article and then to complete the folding of said portion on to the rear end face of the article after the completion of the withdrawal of the transfer members, the withdrawing action of the non-tucking transfer member allowing said temporarily held portion of the wrapper to spring outwardly partially to form a side flap extending from the rear end face of the article, and means for folding the portion of the wrapper extending from the opposite face of the article on to the rear end face of the article, such action completing the formation of said side flap.

2,627,155

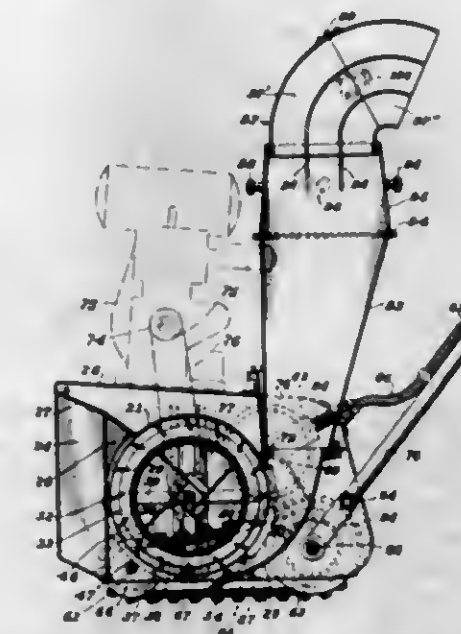
APPARATUS ADAPTED FOR THE REMOVAL OF LEAVES AND GRASS AND THE LIKE
Sanford A. Shuler, Jr., and Clarence E. Crofoot, Schenectady, N. Y.

Application April 1, 1949, Serial No. 84,914
11 Claims. (Cl. 55-118)

1. Material handling apparatus comprising: a supporting frame; a cylindrical casing mounted on said frame and having an opening in at least

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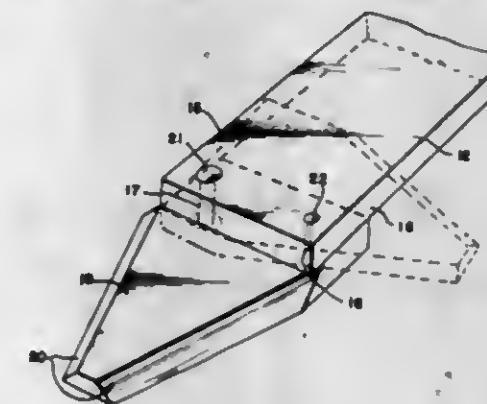
one end thereof; a shaft fixedly mounted on said frame and extending axially of said casing; a cylindrical baffle fixedly mounted on said shaft coaxially within said casing and of less diameter than the latter, said baffle having an opening in at least one end thereof registering with said casing end opening; and a centrifugal blower wheel rotatably mounted on said shaft and having impelling vanes on the periphery thereof extending



between said casing and said baffle, said casing having circumferentially spaced inlet and exhaust peripheral openings and said baffle having a peripheral opening registering with said casing exhaust opening, whereby material entering said inlet opening is comminuted by said vanes and carried thereby past said exhaust opening for entrainment in an air stream issuing through said peripheral baffle opening, said wheel, and said exhaust opening.

2,627,156

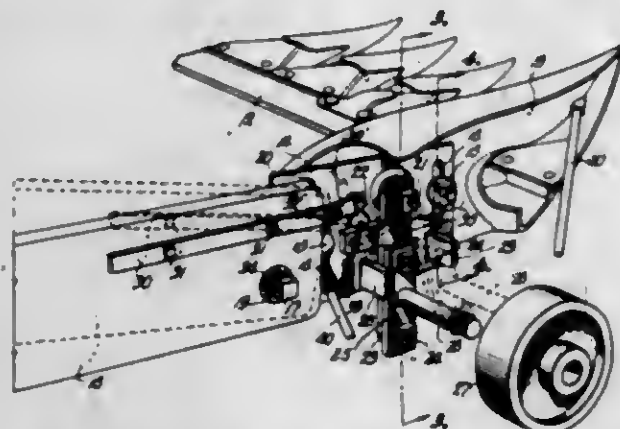
CUTTING BAR FOR MOWING MACHINES
Raymond Carter, Wyoming, Ill.; Hazel Carter and Raymond Hugh Carter administrators of the estate of Raymond Carter, deceased
Application April 19, 1950, Serial No. 156,897
2 Claims. (Cl. 56-295)



1. A cutting bar for use with mowing machines of the type wherein the bar is rotatable about a vertical axis comprising a support, a cutting blade located at each end of the support, a rigid pivot connection between the blade and the support adjacent the leading edge of the support, and a frangible connection of lesser cross-sectional area than the rigid connection between the blade and the support adjacent the trailing edge of the support so that the blade can swing beneath the support should the blade strike a hard obstacle.

2,627,157

GRASS DEFLECTOR FOR MOWERS
Walter L. Weakland, Platte City, Mo., assignor to Rockledge Manufacturing Company, a corporation of Missouri
Application March 17, 1951, Serial No. 216,114
15 Claims. (Cl. 56-314)

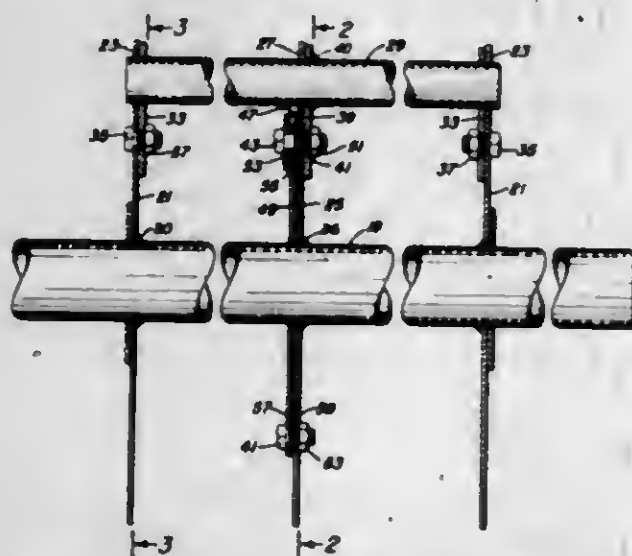


1. Mechanism of the character described for raising and lowering a grass deflector board pivotally carried on the end of the cutter bar of a mowing machine, said mechanism including a drag member draggably riding on the ground, and connections connecting said drag member and board permitting limited forward and rearward movement of said board relatively to said drag member and operating in response to such relative forward movement of said board to lower the board and in response to such relative rearward movement of the board to elevate the board, said connections including a bell crank lever having one arm connected to the drag member to move therewith and its other arm connected to the deflector board at a point spaced forwardly of the board's pivot point.

2,627,158

CROP PICKUP REEL

Kenneth J. Van Sickle, Shortsville, N. Y., assignor to Papec Machine Company, Shortsville, N. Y., a corporation of New York
Application February 23, 1951, Serial No. 212,253
5 Claims. (Cl. 56-364)



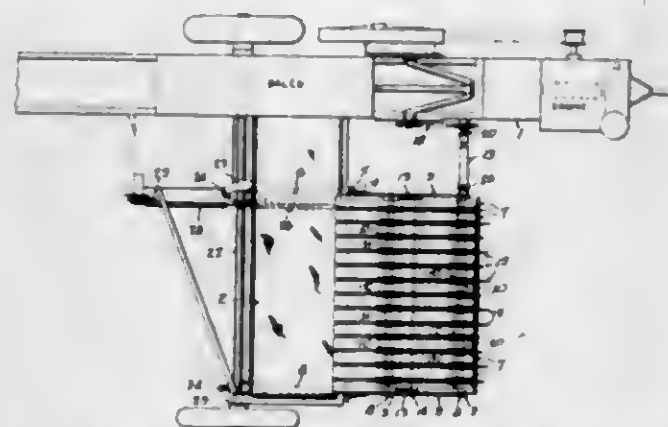
1. A pick-up reel for harvesters or the like comprising a driving shaft, a plurality of spaced members mounted concentrically on said shaft for rotation thereby, said members being formed peripherally with a plurality of outwardly opening, spaced seats, arbors detachably mounted for rotary adjustment in said seats, pick-up fingers on said arbors, an element fixed on each of

said arbors, means detachably securing said elements to one of said members, means for simultaneously adjusting all of said elements relative to said one of said members, and means independent of said securing means for releasably securing said adjusting means to said one of said members for securing said arbors in different positions of rotary adjustment in said seats.

2,627,159

PICKUP CONSTRUCTION

Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a company of Wisconsin
Application March 4, 1946, Serial No. 651,854
10 Claims. (Cl. 56-364)



1. A mobile pick-up unit for picking up and elevating loose material of the class described from the ground, comprising a frame, means for moving said frame forwardly along the ground, a forward set of sheaves carried by said frame and having a common axis transverse to the direction of movement of said frame, a rear set of sheaves carried by said frame and having a common axis transverse to the direction of movement of said frame, said sets of sheaves being spaced apart longitudinally of said frame and having the corresponding sheaves thereof in alignment, a plurality of endless belts having a lower and an upper run and mounted on the corresponding sheaves of said sets, said belts extending longitudinally of said frame substantially in the line of travel thereof, the upper run of said belts extending to a zone of delivery of material, a series of spaced pick-up teeth carried by each belt and adapted to rake the ground and to pick-up material therefrom, and means operatively associated with at least one of said sets of sheaves and driving said lower belt run in a forward direction and driving said upper belt run in a rearward direction to effect delivery of material, the upward movement of the belts around the forward sheaves effecting pick-up of raked material from the ground by said teeth.

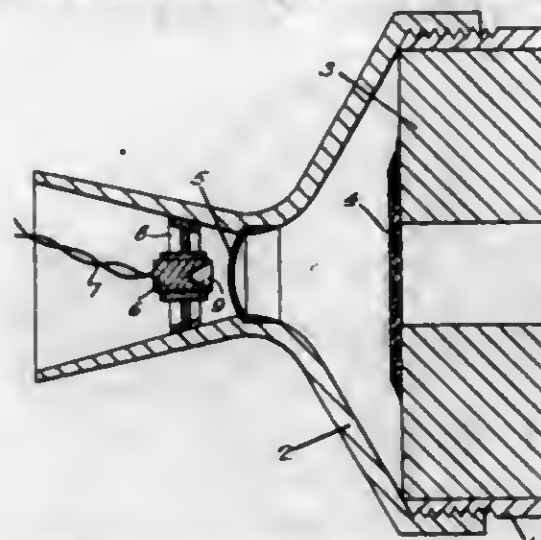
2,627,160

ROCKET IGNITER

Gilmour Craig MacDonald, Ames, Iowa
Application April 1, 1947, Serial No. 738,601
4 Claims. (Cl. 60-35.6)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In a rocket thrust device, the combination of a propellant, a combustion chamber confining the propellant and having an outlet nozzle, a rupturable blowout element secured in the nozzle at the inner or chamber end of the latter in spaced relation to the propellant and closing the nozzle at such end, a propellant igniter between the said element and the said propellant, means

for rupturing the said element and igniting the propellant igniter including a charge of explosive within the nozzle, said explosive being of the "hollow charge" shape comprising a right cylinder of explosive having a conical cavity in one

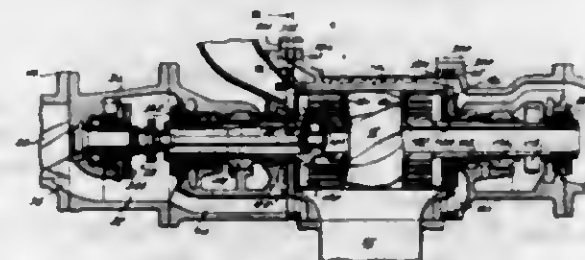


end and supporting means for the said charge positioned in the nozzle adjacent the outer side of the blowout element and supporting the said charge substantially spaced from and centered between the encompassing wall of the nozzle with the base of the cone facing the blowout element.

2,627,161

ELASTIC FLUID POWER SYSTEM UTILIZING A ROTARY ENGINE WITH COOLED ROTORS

Teodor Immanuel Lindhagen and Hans Robert Nilsson, Stockholm, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., trustees
Application May 21, 1952, Serial No. 289,161
In Sweden April 3, 1947
17 Claims. (Cl. 60-39.02)



9. In the operation of an elastic fluid power system of the kind in which a gaseous constituent of the motive fluid is compressed in a suitable compressor, heated in its compressed state by suitable heating means to provide the desired motive fluid and thereafter expanded in a separate prime mover of the positive displacement expansible chamber type having intermeshing rotors and providing the power required for compression, that improvement which comprises in utilizing at least a portion of the compressed gaseous constituent as a cooling medium for the rotors of said prime mover by conducting the same from said compressor through said rotors and to said heating means through a path of flow isolated from communication with the path of flow of the motive fluid from the heating means through the working chambers of the prime mover, heating the constituent conducted through the first mentioned path to convert the same to motive fluid, and conducting the motive fluid so formed through the second mentioned path to effect work producing expansion thereof.

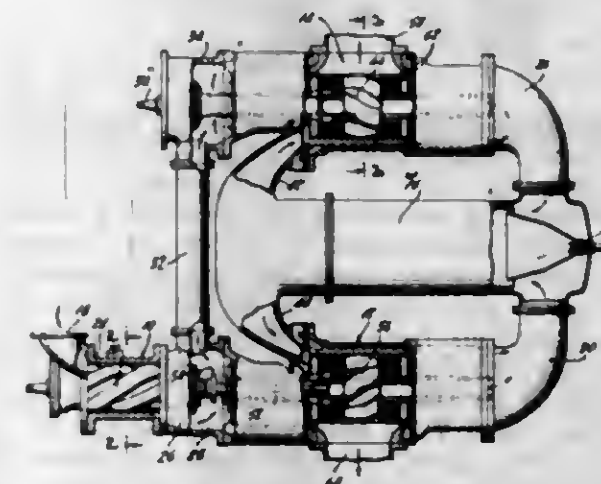
10. In a power plant operated by expansion of high temperature elastic motive fluid, a prime

mover for expanding said motive fluid to produce mechanical power therefrom, said prime mover comprising parts in contact with the hot expanding motive fluid and required to be cooled to be maintained at operative temperature, said parts having passages therein for flow of cooling fluid, and rotary compressor means for delivering a high frequency pulsating supply of elastic cooling fluid to said passages.

2,627,162

ELASTIC FLUID POWER PLANT

Hans Robert Nilsson and Teodor Immanuel Lindhagen, Stockholm, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., trustees
Application May 18, 1948, Serial No. 27,766
In Sweden May 22, 1947
10 Claims. (Cl. 60-39.15)

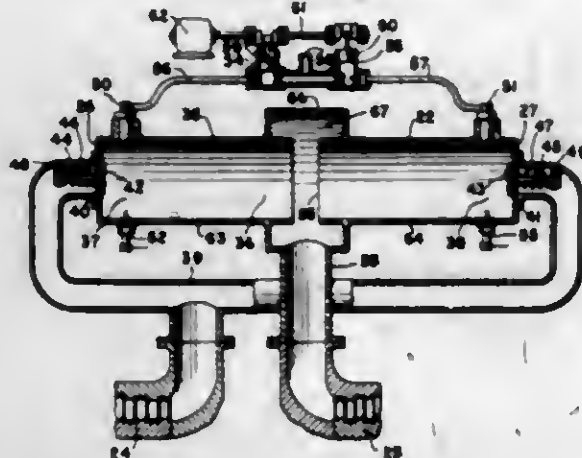


1. An elastic fluid operated power system comprising a power section having positive displacement rotary power engine means for initially expanding hot motive fluid produced in the system to generate net useful power, a feeder section mechanically independent of said power section as to speed of operation for supplying motive fluid for operating said power section, said feeder section comprising compressor means including rotary compressor means for compressing an elastic fluid medium for subsequent use as motive fluid in said power section and feeder engine means for driving said compressor means, heating means for converting compressed fluid from said feeder section to high temperature motive fluid, conduit means for supplying motive fluid from said heating means to said engine means, said power engine means and said feeder engine means being in open communication to receive motive fluid at substantially the same initial pressure, whereby reduction in speed of the power engine means due to increased load on the system and resultant decrease in consumption of motive fluid by the power section results in increased pressure of motive fluid supplied to both said power engine means and to said feeder engine means by said compressor means to thereby increase the torque developed by said power section engine means and increase the quantity of motive fluid available for expansion in said feeder section engine means, and conduit means for supplying compressed fluid from said compressor means to said heating means including passages in said power section engine means for cooling the latter by the flow of the compressed medium to said heating means regardless of the relative amounts of hot motive fluid consumed by the engines of the power and feeder sections of the system.

2,627,163

**ONE-HALF WAVE LENGTH RESONANT
EXPLOSION GAS UNIT**

James H. Anderson, Easton, Pa., and George Farnell, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 16, 1947, Serial No. 792,066
7 Claims. (Cl. 60-39.77)

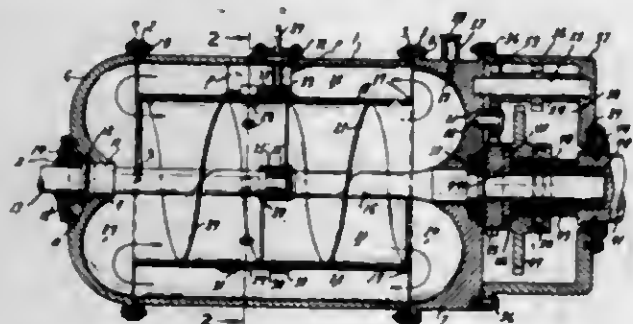


3. A resonant explosion power unit, comprising a casing having an explosion chamber and a discharge opening at the intermediate portion thereof, reflecting members on the casing serving to reverse the movement of explosion pressure waves in the chamber and being approximately one-half of a pressure wave length apart, said explosion chamber having explosion zones adjacent the reflecting members, means for introducing charges of air into the explosion zones, means for injecting fuel into every third charge of air introduced into each of said zones to form an explosive mixture, and means for igniting the explosive mixtures at equally spaced intervals of time.

2,627,164

**ROTARY PUMP AND TURBINE HYDRAULIC
COUPLING**

Ernst Halpern, St. Louis, Mo.
Application January 3, 1949, Serial No. 68,848
3 Claims. (Cl. 60-54)

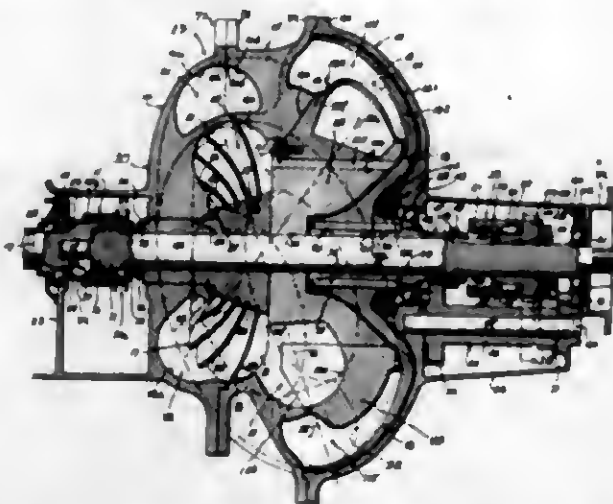


1. A fluid transmission device having a casing containing a body of fluid, a tube concentrically disposed within the casing in the formation of inner and outer concentric passageways, a driving shaft, a driven shaft rotatably disposed in axial alignment with the driving shaft for relative rotation with respect thereto, said shafts being disposed within the inner passageway, the improvement comprising a driving worm pinned at one end on the driving shaft and having an end ring at its other end for normal abutment against the end face of the driven shaft, said end ring being shiftably disposed on said driving shaft whereby said driving worm may be compressed by increase of fluid pressure, a driven worm rigidly mounted on the driven shaft, and work means connected to said driven shaft.

2,627,165

**TURBINE TYPE HYDRAULIC TORQUE
CONVERTER**

Werner H. Fengler, Dearborn, Mich.
Application February 9, 1949, Serial No. 75,480
11 Claims. (Cl. 60-54)

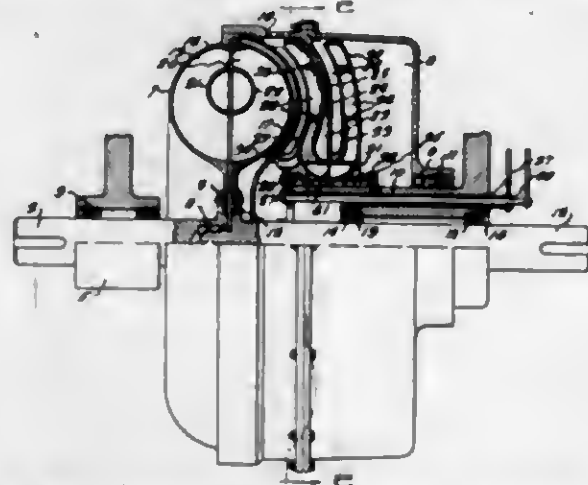


1. A hydraulic torque converter comprising a casing having therein an impeller chamber, a runner chamber, an impeller having fluid-moving elements thereon rotatably mounted in said impeller chamber, a runner having fluid-moving elements thereon rotatably mounted in said runner chamber upon the same axis of rotation as said impeller, a driving member operatively connected to said impeller, a driven member operatively connected to said runner, a fluid reactor disposed between said impeller and said runner, and a sectional fluid conduit of substantially toroidal shape extending around the axis of rotation of one of said members and through said reactor and hydraulically interconnecting said chambers, separate sections of said conduit being disposed in said impeller, in said reactor and in said runner respectively.

2,627,166

ROTARY FLUID COUPLING

John Edward Becker, Darlington Township, Durham County, Ontario, Canada, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada, a corporation of Canada
Application February 1, 1950, Serial No. 141,709
7 Claims. (Cl. 60-54)



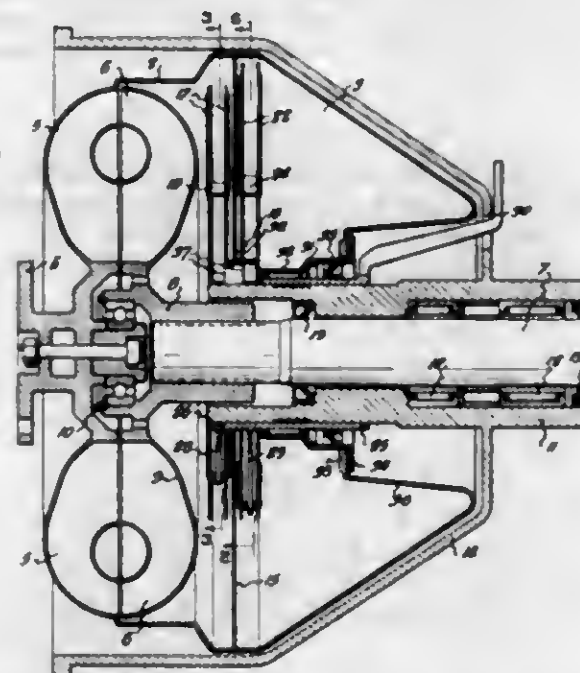
1. A fluid coupling comprising a driving shaft, a driving rotatable impeller housing connected to the driving shaft and having a plurality of radial impeller vanes therein, a driven shaft, a runner housing connected to the driven shaft and contained within the impeller housing and having a plurality of radial runner vanes therein, a fluid containing chamber forming part of the im-

PELLER housing and rotating therewith and separated from the portion of the impeller housing containing the runner housing by a circular wall having a plurality of orifices in the vicinity of its periphery through which fluid enters and leaves the runner containing portion of the impeller housing, a fluid reservoir mounted to rotate with the chamber and the impeller housing, a pair of hubs, one hub being freely rotatable within the fluid containing chamber and the other hub being freely rotatable within the fluid reservoir, a pair of discs mounted upon one hub, a pair of discs mounted upon the other hub, a plurality of curved blades secured to and extending between the faces of the pair of discs on each hub and constituting fluid scoops oppositely directed to the direction of rotation of the fluid chamber and the fluid reservoir, a fluid passage contained within the hubs and extending from the inner ends of the scoop blades between one pair of discs to the inner ends of the scoop blades between the other pair of discs, brake means for independently controlling the rotation of each of the hubs, one disc in the fluid containing chamber being of less diameter than the other disc and from the periphery of which the blades protrude across the face of the large diameter disc, the large diameter disc being positioned remotely from the face of the wall separating the fluid containing chamber from the runner housing containing portion of the impeller housing, and a plurality of radially arranged fins carried upon said wall and having their outer side edges in close proximity to the side edges of the blades on the greater diameter disc.

2,627,167

**FLUID TRANSFER DEVICE FOR ROTARY
PUMP AND TURBINE FLUID COUPLINGS**

John Edward Becker, Darlington Township, Durham County, Ontario, Canada, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada, a company of Ontario
Application April 22, 1952, Serial No. 283,725
8 Claims. (Cl. 60-54)



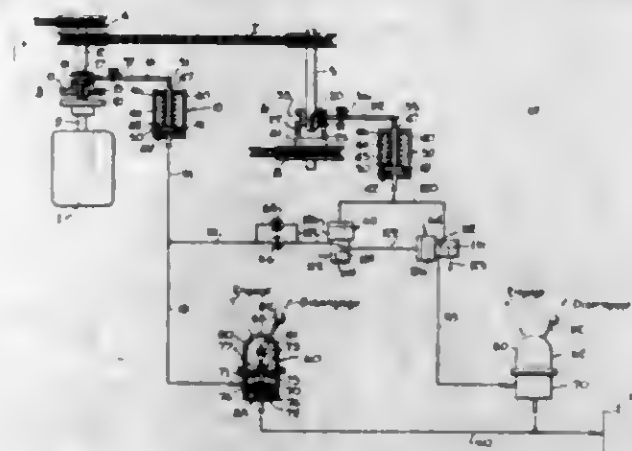
3. In a rotary pump and turbine fluid coupling incorporating a pair of fluid reservoirs rotatable about a common axis, a device for transferring a predetermined volume of a fluid from one reservoir to the other and vice versa, a stationary curved track contained within each reservoir and curved towards the direction of rotation of the

reservoir, each of said tracks extending from the vicinity of the axis of its reservoir to the vicinity of the periphery of its reservoir, a fluid scoop ribbon slidably contained within each track with its scoop face opposed to the direction of rotation of its reservoir, two pairs of side plates extending substantially at right angles to the axis of rotation of the reservoirs, each pair of side plates being positioned along the sides of a ribbon edge to form with the ribbon a fluid scooping trough, means for sliding the ribbons along the tracks between the side plates and so arranged that when one ribbon is being slid towards its reservoir periphery the other ribbon is being retracted from its reservoir periphery, and a fluid conduit extending from the reservoir axis end of one fluid scooping trough to the axis end of the other fluid scooping trough.

2,627,168

**CONTROL APPARATUS FOR PLURAL
CLUTCH OPERATION**

Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application May 5, 1949, Serial No. 91,605
7 Claims. (Cl. 60-97)



1. Control apparatus for a first fluid pressure actuator and a second fluid pressure actuator, comprising first control valve means for supplying fluid under pressure to said first fluid pressure actuator, second control valve means for supplying fluid under pressure to said second fluid pressure actuator, interlock means operable by fluid under pressure supplied to said second fluid pressure actuator to close fluid pressure supply communication to said first fluid pressure actuator, and interlock controlling means operable by fluid under pressure supplied to said first fluid pressure actuator to close fluid pressure operative supply communication to said interlock means.

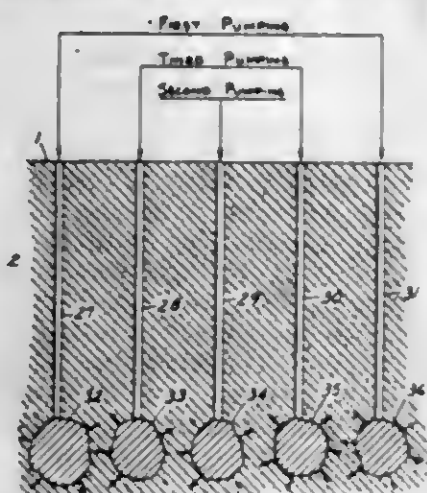
2,627,169

**METHOD OF PRODUCING STABILIZATION
IN SOIL MASSES**

John W. Poulter, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application July 15, 1946, Serial No. 683,589
2 Claims. (Cl. 61-35)

1. The method of producing stability in soil masses which comprises introducing cementitious material in fluid condition under pressure simultaneously into the soil below the earth surface at zones spaced apart a sufficient distance that their spheres of pressure influence are not normally interactive, allowing the material so in-

roduced to set, and then introducing said material under pressure into the soil at a zone inter-

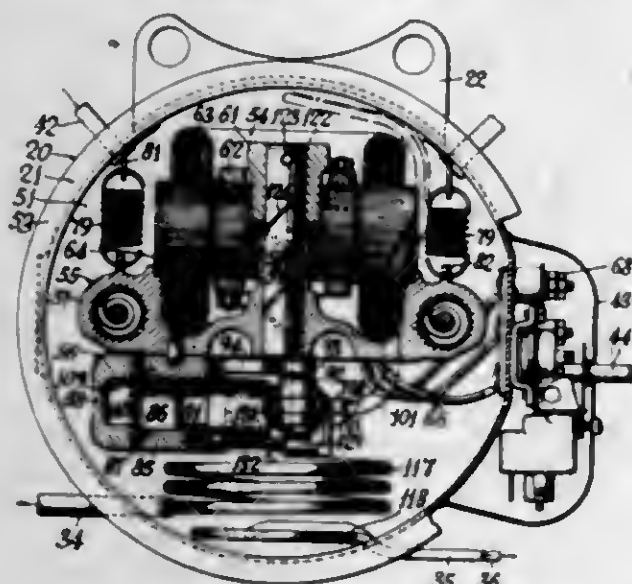


mediate said first zones which is effective upon said first zones.

2,627,170

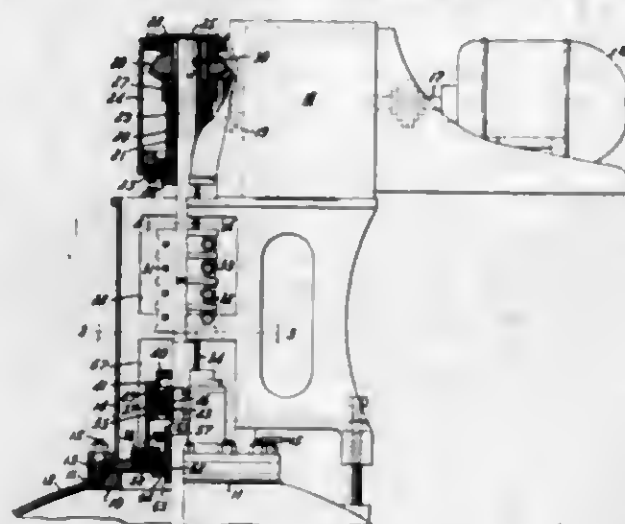
HERMETIC REFRIGERATION COMPRESSOR
Jens Touborg, Tecumseh, Mich., assignor to
Tresco, Inc., Tecumseh, Mich., a corporation
of Michigan

Application September 27, 1948, Serial No. 51,348
5 Claims. (Cl. 62—117.7)



5. A refrigeration high side comprising a hermetic compressor including a casing having an interconnected motor and compressor sealed therein, a pool of lubricant in the casing, pump means for circulating the lubricant over the motor to extract heat therefrom and transfer said heat to the pool, a suction inlet in the casing adjacent the motor to admit relatively cool refrigerant vapors into contact with the motor to extract heat therefrom, a closed discharge line extending from the compressor through the casing wall, an imperforate cooling coil in the casing and the pool of lubricant therein, said coil having inlet and outlet ends projecting through the casing, a condenser connected to the discharge line exteriorly of the casing to effect cooling of the compressed refrigerant, said condenser having its discharge end connected to the inlet of the cooling coil, whereby cooled refrigerant may extract heat from the pool of lubricant and thereby the hermetic compressor, and a second condenser having its inlet connected to the outlet of the coil, whereby the heat absorbed by compressed refrigerant circulating through the coil may be dissipated.

2,627,171
AGITATOR DRIVE ASSEMBLY
Ivan Stanley Brumagim, Warren, Pa.
Application March 17, 1948, Serial No. 15,315
3 Claims. (Cl. 64—1)

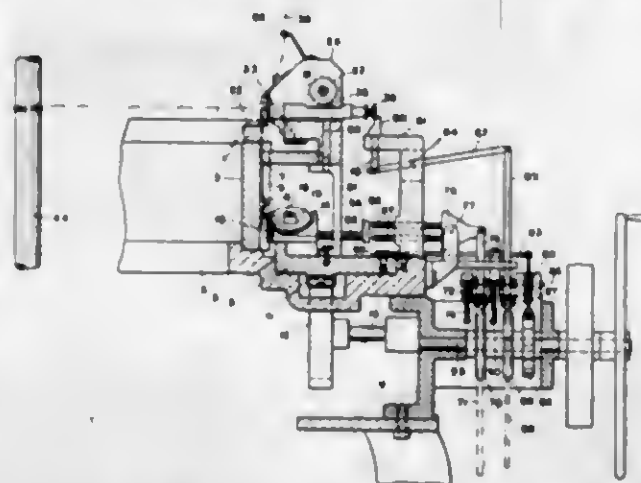


1. An agitator drive assembly for a pressure vessel and the like comprising a base member having an opening therethrough, a frame member carried by said base member, a shaft having axially aligned separable portions including an agitator-mounting portion extending through the opening in said base member and a driven stub portion, removable coupling means releasably connecting adjacent ends of said separable shaft portions, bearing means removably carried by one of said members supporting said agitator-mounting shaft portion, sealing means removably carried by said base member and sealingly engaging said agitator-mounting shaft portion, a quill shaft rotatably mounted on said frame and drivingly connected to said driven shaft portion, said driven shaft portion being movable through said quill shaft in a direction axially away from the agitator-mounting shaft portion during assembly and disassembly while retaining said quill shaft in its mounting, said quill shaft being axially spaced from said agitator-mounting shaft portion to provide a gap through which said bearing means and said sealing means are removed from said agitator-mounting shaft portion, and means for connecting said quill shaft to a driving means.

2,627,172

CIRCULAR KNITTING MACHINE

Elias F. Reichert, Allentown, Pa., assignor to
Samuel Reinhard, Allentown, Pa.
Application September 2, 1948, Serial No. 47,396
5 Claims. (Cl. 66—50)



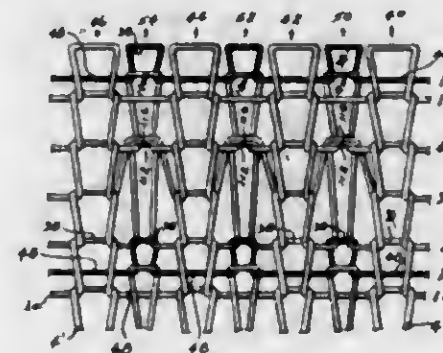
1. In a circular knitting machine, the combination of a cylinder, needles disposed in the cylinder, members for actuating the needle, yarn carriers

to feed any of a plurality of yarns to each needle, said carriers being disposed at stations about the periphery of the cylinder, pattern wheels for actuating the needles, means for automatically selecting a strand of yarn for supply to a selected needle in accordance with a predetermined pattern, the yarn selecting means being correlated with the pattern wheels to form a predetermined pattern, and mechanism for moving a needle actuating member from operable position so that needles not selected are not raised to knitting position, said mechanism comprising cams carried by the machine, a ratchet wheel, a pawl adapted to engage the ratchet wheel, lever mechanism connecting the cams with the pawl to rotate the ratchet, a sprocket rotatable with the ratchet, a chain including high, medium and low links disposed over the sprocket, a member carried by a lever engaging the chain, a rotatable cam connected by a link to the lever, said cam carrying plungers adapted to engage an element to move a segment of the needle actuating member into and out of operable position, the connecting lever mechanism including a lever, a cam follower carried by said lever to engage the actuating cams, a pivotable element connected to said lever at one end, and a second lever connecting the pivotable element to the pawl.

2,627,173

TWO-WAY STRETCH FABRIC

Harry Hirsch, New York, N. Y.
Application February 26, 1948, Serial No. 11,126
6 Claims. (Cl. 66—200)



1. A knitted two way stretch elastic fabric for girdles or similar confining garments having the following order of courses; the first of which courses comprises a half course knitted from an inelastic thread of regular loops in alternate wales and laid in portions of the thread in the wales between said alternate wales and a second half course of elastic thread of regular loops between the said alternate wale loops of the inelastic thread and laid in portions of the elastic thread in the said alternate wales of the elastic thread; a second course comprising a full course of inelastic thread having regular loops in the said alternate wales of the said first half course of inelastic thread and held loops in the wales in which the said portions of the said first half course of inelastic thread are laid in; a third course comprising a full course of inelastic thread having regular loops in the said alternate wales and tuck loops on the said held loops; and a fourth course of inelastic thread of regular loops in all the wales of the fabric.

2,627,174

CANDLE AND METHOD OF MAKING

Walter Weglin, New York, N. Y.
Application October 28, 1949, Serial No. 124,120
7 Claims. (Cl. 67—22.5)

1. A combustible candle comprising a lower portion having a wick extending centrally there-

of, an upper portion including a plurality of layers of material adapted to form colored drippings,

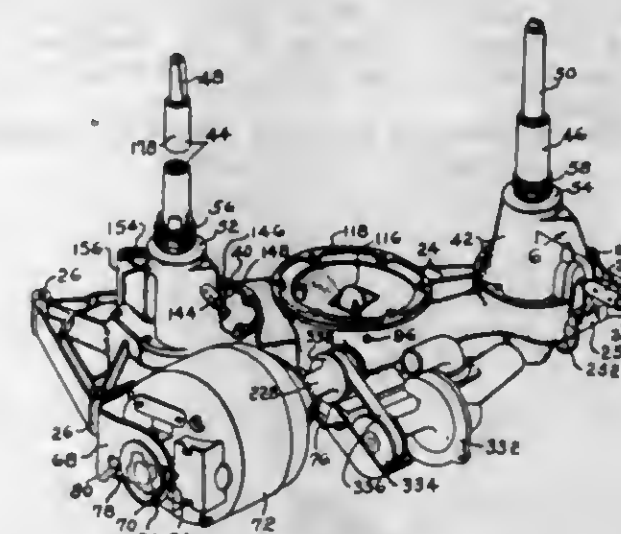


and a wick extending generally spirally about said layers of material.

2,627,175

WASHING MACHINE PROVIDED WITH REMOVABLE TRANSMISSION

Charles C. Scheele, Syracuse, N. Y., assignor to
Easy Washing Machine Corporation, Syracuse,
N. Y., a corporation of Delaware
Application December 18, 1947, Serial No. 792,363
14 Claims. (Cl. 68—26)



4. In a washing machine, a frame, a pair of tubs mounted side by side on said frame, each having a bottom with a central aperture therein, a rigid elongated transmission housing of transverse box section and having top and bottom walls, cover plates rigidly secured to opposite ends of the housing each having a broad base rigidly engaging the top wall of said housing and an upstanding rigid integral bearing sleeve having tub bottom engaging shoulder, means for securing said shoulder rigidly against said respective tub bottoms with said sleeves extending through said apertures, a shaft extending through each of said sleeves, and a bearing for said shaft at the upper end of each of said sleeves, and rigid means at the ends of said housing for securing said housing to said frame independent of said tubs.

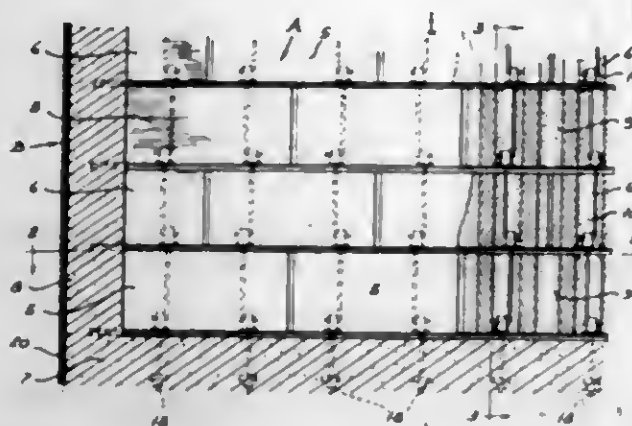
2,627,176

BLOCK ASSEMBLY

Samuel S. Levy, Paterson, N. J.
Application December 17, 1947, Serial No. 792,206
9 Claims. (Cl. 72—42)

1. In a building construction, a plurality of spaced wall units each formed with courses of rigid blocks, compressible gaskets disposed between said courses, anchoring means carried by said gaskets and extending through said courses and connecting the blocks and gaskets together in anchored relation against vertical displacement, and means connected to the end blocks of adjacent units and the ends of the gaskets disposed between said end blocks anchoring said

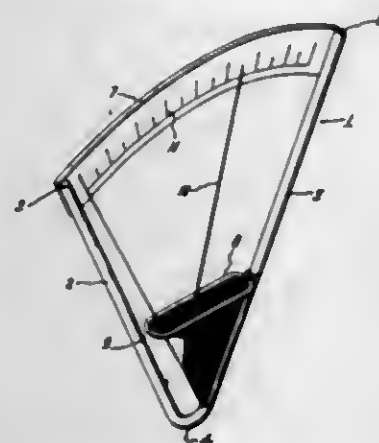
units together to form a wall, said anchoring uid, a shaft rotatively driven by said float in means being effective for maintaining said blocks accordance with the movements thereof, a direct



In compressive engagement with said gaskets to rigidify said wall.

2,627,177

SURFACE TENSION MEASURING DEVICE
Bernard Vonnegut, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
Application September 29, 1951, Serial No. 248,894
3 Claims. (Cl. 73-53)



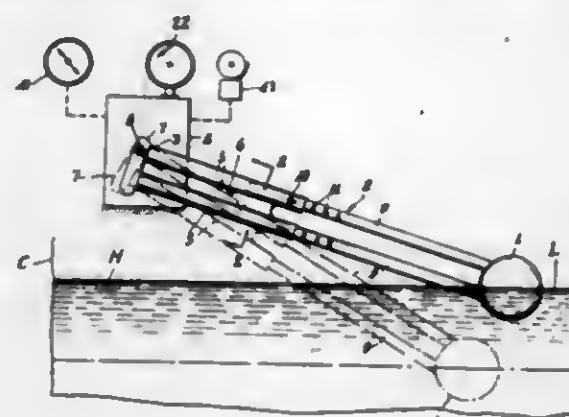
1. An instrument for measuring the surface tension of a liquid, comprising a plurality of arms joined together to form a substantially open planar frame, an indicating scale carried by said frame, an elongated substantially planar rigid loop having an open center, said loop being fixed to one of said frame arms and extending longitudinally in a plane normal to the plane of said frame, and a highly flexible resilient filament fixed at one end to said frame, extending in the plane of said frame through said loop and with its free end movable opposite said indicating scale, whereby, when said frame and loop are dipped in a liquid and withdrawn, a first film of liquid is formed in said loop, a second film of liquid is formed in the space bounded by said filament, said frame and said first film, the surface tension in said film deflects said filament, and said filament indicates the deflection on said scale.

2,627,178

LIQUID LEVEL RATE OF CHANGE INDICATING DEVICE

John T. Hayward and Paul A. Wolff, Tulsa, Okla.
Application January 2, 1951, Serial No. 204,036
3 Claims. (Cl. 73-155)

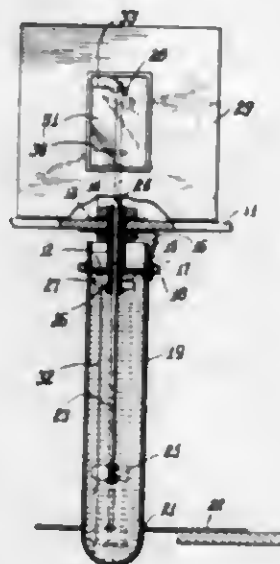
1. A liquid level rate of change indicating device, comprising, a float means adapted to rise and fall with changes in level of a body of liq-



current generator driven by said shaft, and means to record the output of said generator.

2,627,179

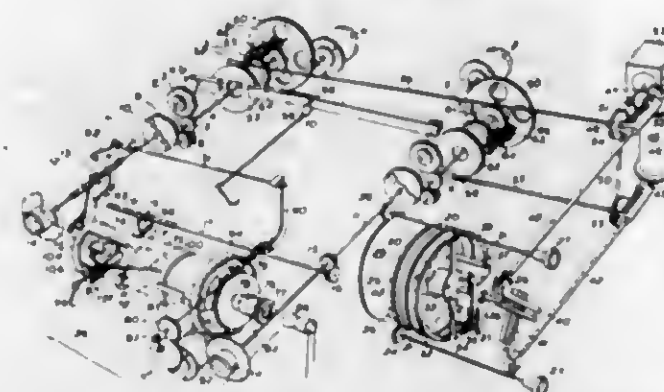
HAIR TESTING DEVICE
Samuel Grant, Chicago, Ill., assignor to Helene Curtis Industries, Inc., Chicago, Ill., a corporation of Illinois
Application February 24, 1949, Serial No. 78,209
4 Claims. (Cl. 73-160)



1. In an apparatus useful for determining the time required to reduce a strand of hair removed from a head of hair to be permanent waved to such plastic state as to permit it to stretch a predetermined distance while it is immersed in the hair waving solution to be applied to said head of hair, the combination of, a fixed tubular element adapted to have one end portion of the hair strand secured thereto, a vertically movable element telescoped through the fixed tubular element and including a clamp located below said fixed element adapted to have the other end portion of said strand secured thereto while the element is in its uppermost position with the strand tensioned between said elements, a container for a hair waving solution, means to mount said container to immerse said tensioned strand in the hair waving solution, a gauge member carried on the upper end of the movable element, a transparent panel arranged in front of said gauge member, and a pair of gauge markings on said panel, said markings being spaced apart vertically a distance corresponding to the stretch desired so as to afford visual means to indicate when the desired plastic condition is attained.

2,627,180

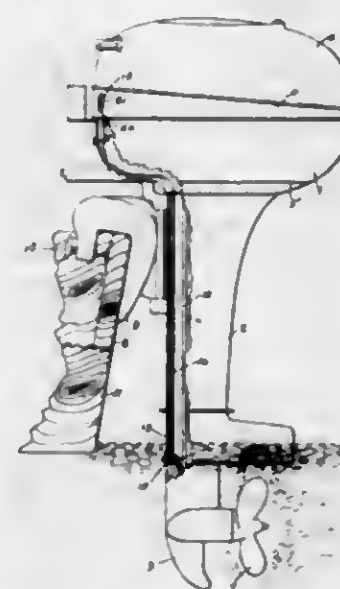
NAVIGATIONAL INSTRUMENT
Jeffery Walton Barnes, Farnborough, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland, a British company
Application February 26, 1948, Serial No. 11,141
In Great Britain June 19, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 19, 1965
4 Claims. (Cl. 73-178)



1. In a navigational instrument having output members driven proportional to the combined air distance and wind speed in north-south and east-west directions respectively, a stationary map, an optical projection mechanism above said map having a rotatable cylindrical mirror tube, a reflector pivotally mounted in said tube and rotatable therewith, a lens mounted in said tube, an adjustable graticule tube mounted coaxially with respect to said mirror tube, a source of light for projecting the graticule image on said reflector so as to project said image on said map, means operable with a repeater compass to rotate said graticule so as to indicate on the map the aircraft heading, means driven by one output member for rotating the cylindrical mirror tube proportional to the compensated distance traversed in a north-south direction, and means driven by the other output member for pivoting said reflector within said tube proportional to the compensated distance traversed in an east-west direction.

2,627,181

OUTBOARD MOTOR SPEEDOMETER
Elmer C. Klekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 772,347
2 Claims. (Cl. 73-182)

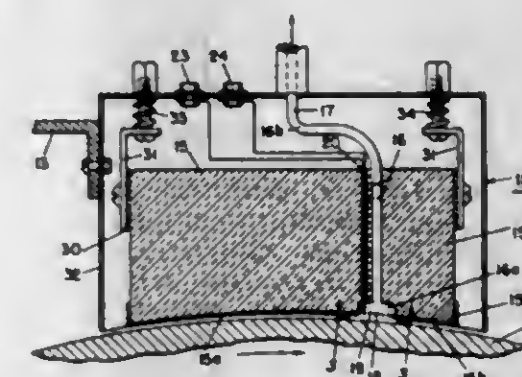


1. An outboard motor having a propeller and comprising a power unit, a dirigible underneath

structure having a submersible portion adapted to carry the propeller, a speed indicating gage adapted to be actuated by water pressure and carried by said power unit and located above water level, pressure transmission means having a water impact orifice formed within the forward portion of said underneath structure beneath water level and extending interiorly of the underneath structure communicating with the speed indicating gage.

2,627,182

ASPIRATION PYROMETER
John F. Quereau, Wyncote, and Albert B. Teague, Somerton, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1949, Serial No. 132,866
7 Claims. (Cl. 73-351)



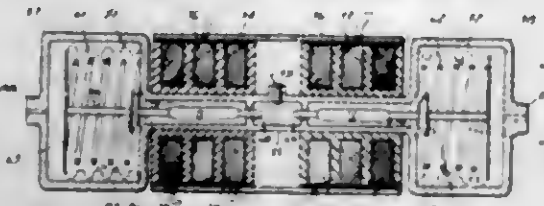
4. An aspiration pyrometer for measuring the temperature of a moving surface comprising a stationary block conforming generally in shape to a portion of said surface and adapted to be positioned in close juxtaposition therewith, said block having a duct intermediate the edges thereof terminating in an enlarged open mouth opening toward said surface when thus positioned, means for drawing a stream of air inwardly between said surface and said block and through said duct at a velocity sufficiently great so that a central portion of said air stream adjacent said surface at said mouth of said duct is aspirated thereto substantially wholly directly from contact with said surface and an outer portion of said air stream at said mouth of said duct is aspirated thereto in part directly from contact with said surface and in part directly from contact with said block, a pyrometric element positioned in said mouth and thermally exposed to said central portion of said air stream for measuring said temperature of said surface, said element having within said central portion of said air stream a temperature-sensitive portion of small length and breadth as compared with the size of said open mouth, and elongated supporting structure for said element of length at least equal to the greatest width of said mouth, the major portion of said elongated structure being thermally exposed to said outer portion of said air stream whereby heating of said elongated supporting structure nearly to the temperature of said temperature-sensitive portion of said element reduces heat dissipation therefrom to improve the accuracy of said measurement, and both said temperature-sensitive portion and said supporting structure of said pyrometric element being disposed in a radial plane adjacent the entrance to said mouth of said duct.

2,627,183

PRESSURE TRANSLATOR

Ivan A. Greenwood, Jr., Pleasantville, N. Y., Herbert Ziebolz, Chicago, Ill., and Allen L. Chaplin, Oreland, Pa., assignors to General Precision Laboratory Incorporated, a corporation of New York

Application June 17, 1948, Serial No. 33,503
6 Claims. (Cl. 73-393)

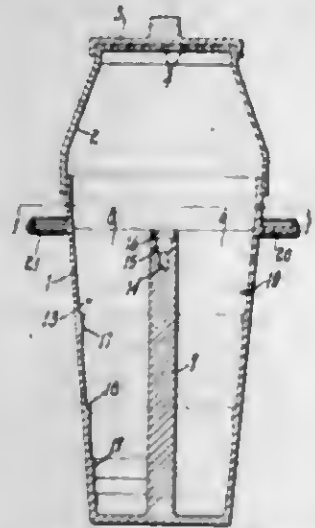


1. A differential pressure device comprising, a first pressure chamber, a first bellows member affixed to a wall of said first pressure chamber having a free closed end portion extending into said chamber and dividing said chamber into two portions, means for admitting fluid under pressure to one of said portions whereby said pressure is exerted against said bellows member, a second pressure chamber, a second bellows member affixed to a wall of said second pressure chamber having a free closed end portion extending into said second chamber and dividing said second chamber into two portions, means for admitting fluid under pressure to one of the portions of said second chamber whereby said pressure is exerted against said second bellows member, a passageway connecting the remaining portions of said first and second pressure chambers, an incompressible liquid filling said passageway and said remaining portions of said first and second pressure chambers, a pair of rigid members each having one of their ends affixed to respective ones of the closed ends of said first and second bellows members and their opposite free ends extending into said passageway, separate valve means attached to each of said rigid members cooperating with valve seats formed in said passageway to seal said passageway on excessive movement of either of said bellows members, a first electrical signal generator operated by one of said rigid members, and a second electrical signal generator operated by the other of said rigid members.

2,627,184

COCKTAIL INGREDIENT MEASURING DEVICE

John Thompson Jones, Long Beach, Calif.
Application August 18, 1947, Serial No. 769,141
3 Claims. (Cl. 73-427)



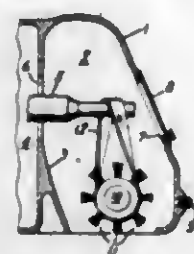
1. A cocktail ingredient measuring device comprising a container, a plurality of radial walls

in said container, said walls forming compartments therebetween, an external flange on said container, and a ring slidably mounted on said flange, said flange having a plurality of slots, each slot being positioned opposite a compartment, and said ring having recipes inscribed thereon, each recipe consisting of a plurality of ingredients spaced around the ring so as to appear through said slots.

2,627,185

TRANSMISSION BELT

George H. Bramhall, Cleveland, and James P. Hunter, Eastlake, Ohio, assignors to General Electric Company, a corporation of New York
Application August 25, 1949, Serial No. 112,207
2 Claims. (Cl. 74-232)

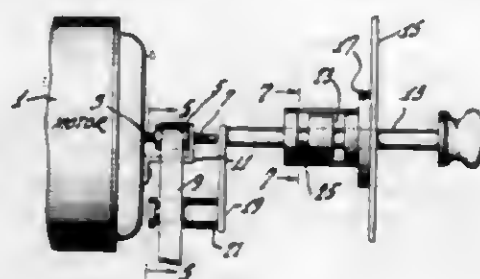


2. An endless flat rubber belt for transmission of power comprising a highly resilient outer layer of light colored non-marking rubber under tension, and a highly abrasion resistant inner layer of dark colored rubber under compression, said layers being bonded together into a unitary belt of rectangular cross-section, whereby said outer layer presents an easily identified surface.

2,627,186

BELT-DRIVE POWER TRANSFER SYSTEM

Earl E. Masterson, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1950, Serial No. 171,491
6 Claims. (Cl. 74-242.3)



1. A belt shifting mechanism for a belt adapted to cooperate with a pulley, said mechanism comprising, in combination, a shaft mounted for axial and rotational movement, a crank arm fastened to one end of said shaft, and a belt lifting idler secured to said crank arm, rotational movement of said shaft causing said idler to lift the belt from the pulley to a position where an axial movement of said shaft shifts the belt from the plane of said pulley.

2,627,187

POWER STEERING GEAR

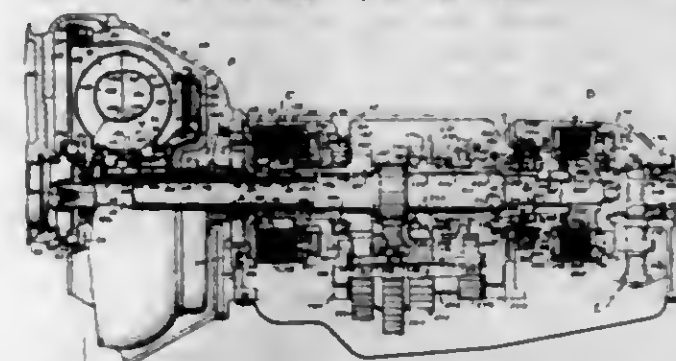
Francis W. Davis, Belmont, Mass.
Application October 20, 1951, Serial No. 252,246
8 Claims. (Cl. 74-388)

1. In a power steering mechanism, a frame, a hollow worm mounted in said frame for rotation therein, means holding said worm from axial movement relative to said frame, a shaft coaxial

2,627,189

TRANSMISSION

Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 12, 1947, Serial No. 741,007
49 Claims. (Cl. 74-645)



19. In a transmission for an accelerator pedal controlled vehicle, a driving member, a final driven member, a fluid unit having fluid energizing and energy absorbing members, a starting clutch between the driving member and the fluid energizing member, a fluid pump driven by the driving member, a fluid pump driven by the final driven member, a direct drive shaft, an intermediate shaft driven by the energy absorbing member, connecting means between the driving member and the direct drive shaft, a sleeve mounted on the intermediate shaft, an intermediate speed clutch operable when engaged to drive the sleeve with the intermediate shaft, a layshaft extending parallel with the intermediate shaft, one way and direct driving gear means between the intermediate shaft and sleeve members respectively and the layshaft, a driven sleeve mounted on the intermediate shaft, gear means interconnecting the layshaft and the driven sleeve, one way driving means between said driven sleeve and the final driven member, a direct drive clutch between the direct drive shaft and the final driven member, a starting valve controlling the starting clutch, fluid pressure operated valves controlling the intermediate and direct drive clutches, fluid pressure actuated means responsive to speed increasing movement of the accelerator pedal controlling the starting valve, and means to subject one end of the valves controlling the intermediate and direct drive clutches to speed governed fluid pressure developed by the pump driven by the driven member and to subject the other end of said valves to accelerator pedal position controlled fluid pressure developed by the pump driven by the driving shaft to successively engage said clutches in response to the speed of the driven member and the position of the accelerator pedal.

2,627,190

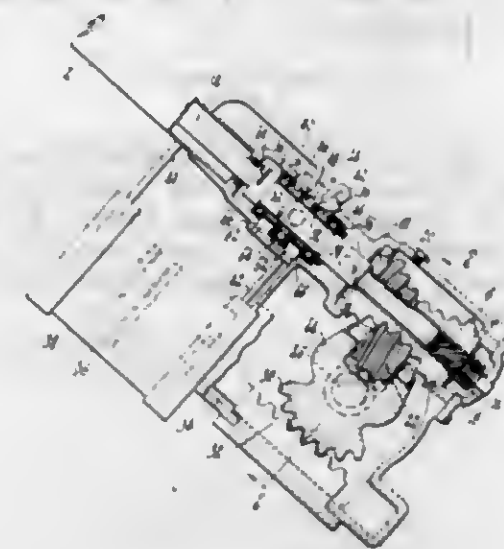
DIFFERENTIAL GEAR FOR MOTOR-DRIVEN VEHICLES

Paul Böttcher, Hamburg-Grossflottbek, Germany

Application January 23, 1952, Serial No. 267,775
10 Claims. (Cl. 74-711)

1. In a differential gearing of the bevel gear type, the combination of a differential case rotatably mounted in an axle housing, means for driving said differential case, a set of differential pinions and differential side gear wheels rotatably mounted in said differential case and being permanently in mesh with one another, two independent axle shafts individually connected with and driven by said differential side gears, a filler and braking member filling the space in said case not occupied by said pinions and said side gear wheels, said filler and braking member compris-

with said worm, said shaft having a portion in screw-threaded engagement with the interior of the worm, whereby relative rotation between the worm and shaft results in axial movement of the shaft, a worm-gear sector member mounted on said frame in mesh with said worm for move-

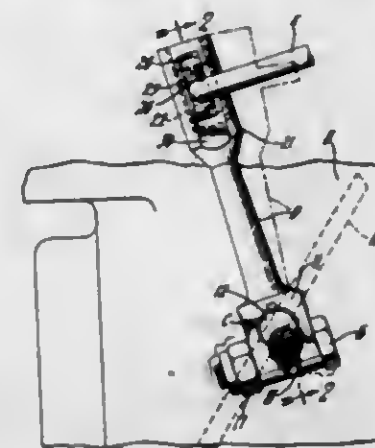


ment in response to rotation of said worm, a fluid motor operatively connected to said gear sector member, a control valve operable by axial movement of said shaft to direct power fluid to said motor, and ducts connecting said control valve to said motor.

2,627,188

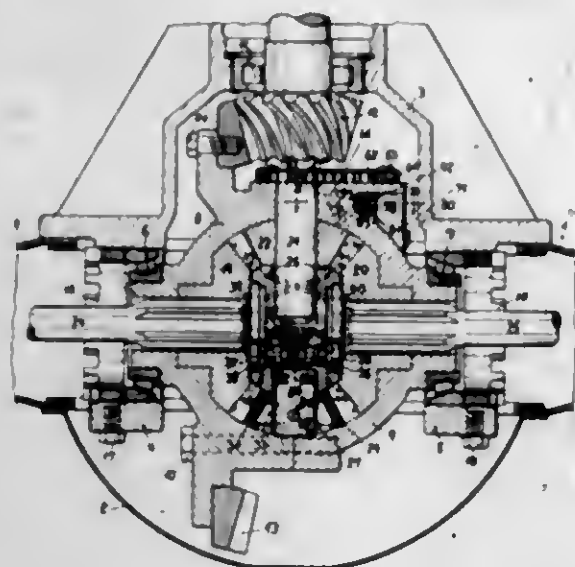
CRANK ARM ADJUSTABLE IN LENGTH AND ANGULAR POSITION

Arthur W. Gaubatz, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 21, 1950, Serial No. 186,095
14 Claims. (Cl. 74-522)



13. An adjustable motion-transmitting device comprising, in combination, a body, means for mounting the body for movement in a given direction, a member mounted on the body in threaded engagement with the body so as to be adjustable with respect to the body in a direction different from the said given direction by rotation of the member, the member being formed with a transverse hole and the body being formed with a slot with which the said hole may be aligned through a range of adjustment of the member, and a reciprocable motion-transmitting means fitted in the said hole and passing through the said slot and hole in a direction normal to the direction of reciprocation of the said means, the said motion-transmitting means thus locking the member against rotation relative to the body.

ing a rigid central part having surface portions adjacent to the inside faces of said pinions and side gear wheels, said filler and braking member comprising expansive arcuate parts, each of said arcuate parts being formed by a pocket member having a cavity and flexible surface portions, said flexible surface portions being adjacent to the top faces of the teeth of said pinions and side gear wheels, means for filling said differential case with a brake fluid, and passage means in said central part interconnecting said cavities and

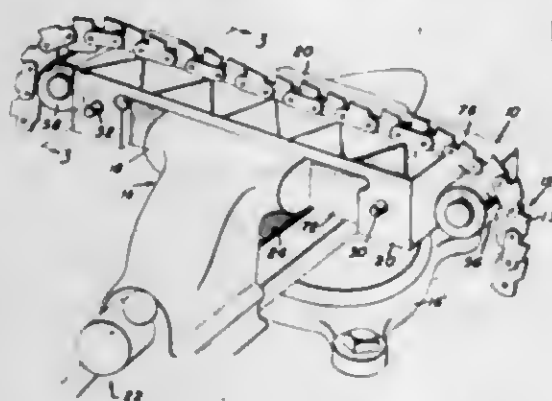


the interior of the differential case adjacent to the points of engagement of the teeth of said pinions with the teeth of said side gear wheels and transmitting the fluid pressure in the pressure zones in the differential gearing produced by the engagement of the teeth of said pinions and side gear wheels to said cavities, said arcuate parts of said filler and brake member expanding and said flexible surface portions pressing against the top faces of the teeth of the pinions and side gear wheels upon increase of fluid pressure in said cavities.

2,627,191

CHAIN SAW JIG

Robert M. Parr, South Milford, Ind.
Application June 8, 1951, Serial No. 230,451
2 Claims. (Cl. 76-78)



1. A chain jig intended for mounting in a vise, said chain jig including first and second elongated members of substantially rectangular cross-section, said first and second elongated members being juxtaposed and so maintained by pins carried by said first elongated member and received in bores in said second elongated member, opposed recesses in the opposed sides of said elongated members, springs mounted in said opposed recesses and urging said elongated members apart, elongated recesses in the outer sides of said

elongated members for receiving jaws of a vise, said first elongated member being of a greater length than said second elongated member, said first elongated member having a recess in the inner side thereof at each end, a roller partially disposed in each of said end recesses for engaging the lower edge of a chain saw blade and permitting the free movement thereof between the elongated members.

2,627,192

PROCESS OF MAKING DRIVER BITS

George E. Jenney, Jr., North Dartmouth, and Harvey F. Phipard, Jr., and Frank K. Brown, South Dartmouth, Mass., assignors to Research Engineering & Manufacturing, Inc., New Bedford, Mass.

Application September 25, 1950, Serial No. 186,642
1 Claim. (Cl. 76-101)



The herein described process of making driver bits of pointed cruciform contour for wedging driving connection with recessed head fasteners having a cooperating recess of substantially similar contour, which consists in preparing round stock of slightly greater diameter than the extreme diameter of the cruciform rib construction of the driver, subjecting said round stock to a cold-forging operation which consists in successive drawing actions until said stock is drawn to an increased length of approximately 300% of the original length, said successive drawing dies simultaneously conforming the faces of the ribs into predetermined final finished bevelled contour during the compacting, smoothing, streamlining and cold-forging action of said drawing operations on the stock, and thereupon coating the pointed portion with a lubricant and completing the pointing formation of one end of the cruciform stock so formed by a heading press constituting a coining action, and subsequently subjecting the bits to a heat-treating, case-hardening, and tempering operation, the completed bit being so formed independently of milling, trimming, cutting, or grinding operations.

2,627,193

PRECISION BORING DEVICE

Edwin V. Statia, Sr., Royal Oak, Mich., assignor of one-half to Edward L. Chapman, Detroit, Mich.

Application May 29, 1948, Serial No. 30,163
7 Claims. (Cl. 77-2)

1. A precision boring machine comprising a supporting structure having a work-engaging portion adapted to rest against the work, a rotatable screw shaft journaled in said structure and having a boring tool holder thereon, a nut device rotatably mounted on said structure and having a threaded nut device including a plurality of transversely-separated threaded components selectively movable into and out of threaded engagement with said screw shaft, feeding mechanism operably connected to said nut device and adapted to rotate said nut device relatively to said screw shaft whereby to impart longitudinal feeding motion to said tool-holder during rotation thereof, said nut components having bevelled surfaces

thereon, and a cover member having a tapered abutment surface engageable with said beveled

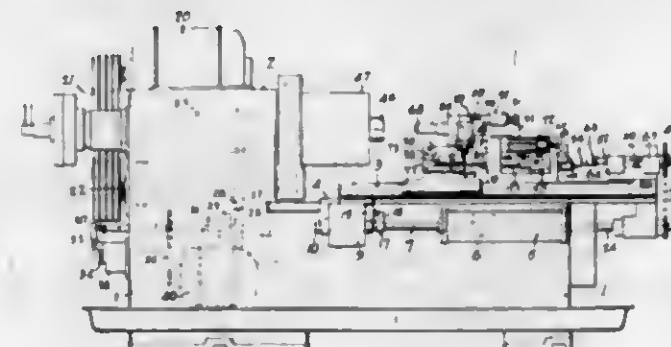


surfaces to urge said components into engagement with said screw shaft.

2,627,194

PROFILE TURNING AND BORING LATHE

Lorenz A. Leifer and Charles H. Johnson, Madison, Wis., assignors to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application June 9, 1950, Serial No. 167,002
30 Claims. (Cl. 77-3)

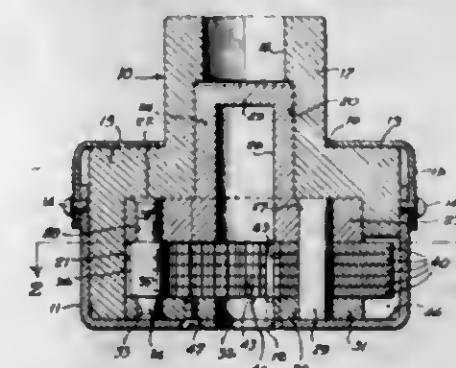


1. A lathe comprising a headstock having a rotary work spindle, a bed disposed to support a tool slide for movement toward and away from the work carried by said spindle, a slide mounted on said bed for movement toward and away from the work, means to drive said spindle, means to move said slide in forward traverse and feed and in back traverse, a cross slide carried by said first slide for movement thereon in a direction generally normal to the movement of said first slide, a cutting tool carried by said cross slide for engaging the work, a normally stationary step cam abutment carried by the bed and fixed in relation to the path of movement of said first slide adapted to be indexed longitudinally for successive cutting operations with the steps thereof of a height to determine the depth of cut for each corresponding cut, means to bias said cross slide against a single step of said step cam to determine the position of cut for said tool, and automatic means to index said step cam to present successive step abutments for said cross slide to set the cutting tool for a predetermined depth of cut for each successive forward feed of said first slide.

2,627,195

STUD REMOVER

Albert Sporket, Detroit, Mich.
Application February 21, 1950, Serial No. 145,543
1 Claim. (Cl. 81-53)

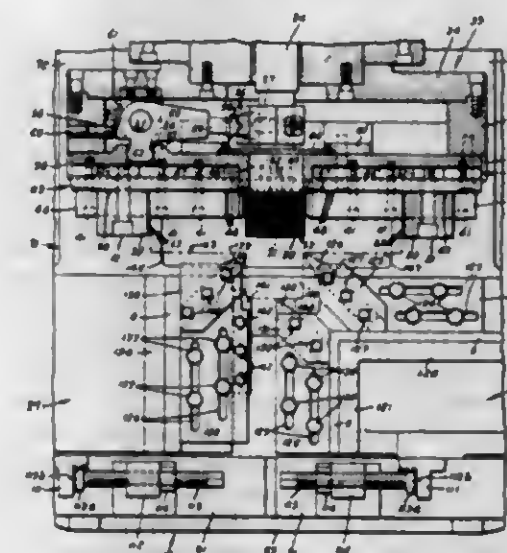


A stud remover comprising a cylindrical head having a central stem projecting upwardly therefrom and having a wrench-receiving portion thereon, said head having a cylindrical cavity therein and a central reduced diameter bore extending upwardly therefrom into said stem, a cylindrical jaw carrier rotatably mounted in said cavity and having an upwardly-projecting central shaft portion journaled in said bore, said shaft portion having a central stud-receiving socket therein, a plurality of pivot elements mounted in circumferentially-spaced relationship on said jaw carrier in locations spaced outwardly from said socket, a stud-gripping jaw pivotally mounted on each pivot element, each jaw having a serrated portion on its inner end engageable with the stud to be removed and a lever arm on its outer end operatively connected to said head, and a hollow cylindrical casing enclosing said head, said casing having a centrally-apertured bottom wall connected to said jaw carrier, a side wall encircling the side wall of said head, and a centrally-apertured top wall extending over the top of said head, said stem projecting upwardly through the central aperture of said top wall.

2,627,196

TURNING MACHINE

Newman M. Marsilius, Trumbull, Conn., assignor to The Product Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application November 14, 1946, Serial No. 709,681
2 Claims. (Cl. 82-25)



1. In a machine of the character described having a work holder, the improvement comprising a slide, means for moving said slide toward and from the work holder, a pair of slides on the first mentioned slide, means for moving the slides

of said pair at right angles to said first mentioned slide toward and from one another, a tool holder on each slide of said pair and adjustable thereon in directions parallel with the directions of movement of the first mentioned slide, a second tool holder on one of the slides of said pair, and said second tool holder adjustable in the directions in which the slides of the pair are movable.

2,627,197 LATHE

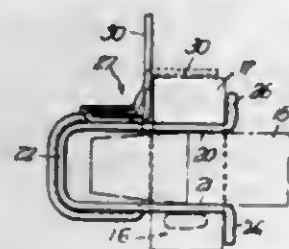
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application April 12, 1947, Serial No. 741,049
6 Claims. (Cl. 82—28)



1. A reciprocable lathe head unit comprising a rotary spindle journaled in the head unit, a cylinder extending inside the spindle and fixed to said head unit, and hydraulic means associated with the cylinder for advancing or retracting the head unit.

2,627,198

DRAFT KEY RETAINER LOCKING DEVICE
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1948, Serial No. 60,765
1 Claim. (Cl. 85—8.1)

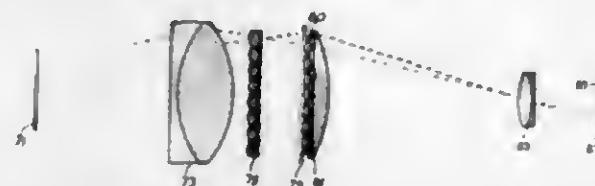


A draft key retainer locking device comprising in combination with a draft key retainer having an elongated flat sided head, a single piece body member of wear resisting flat sheet steel formed to provide an upper and a lower vertically spaced flat-faced jaw adapted to receive the tail end of a draft key therebetween and effect wide bearing relation therewith and provided with retainer receiving holes removed from and entirely circumscribed by the flat marginal portions of the jaws, the outer ends of the jaws being bent to provide upwardly and downwardly disposed impact-resisting flanges coextensive with the width of the jaws and disposed at the inner side of the retainer with the flange on the upper jaw adapted to extend flush with the elongated flat side of the retainer-head to provide a wear surface and prevent independent rotative movement of the retainer while the flange on the lower jaw extends parallel with and adjacent the shank of the retainer to absorb draft sill impacts; the jaws at one end of the device being united by a rigidified neck portion

adapted to receive the apertured tail end of the retainer; and a separate piece retainer L-shaped locking member of ductile metal with a wide base approximately the width of the jaw member and intimately secured on top of the upper jaw intermediate the retainer receiving hole therein and said neck portion with the unattached end of said member disposed upwardly a slight distance removed from said retainer receiving hole and of height sufficient to permit its upper end to be bent over the retainer head.

2,627,199

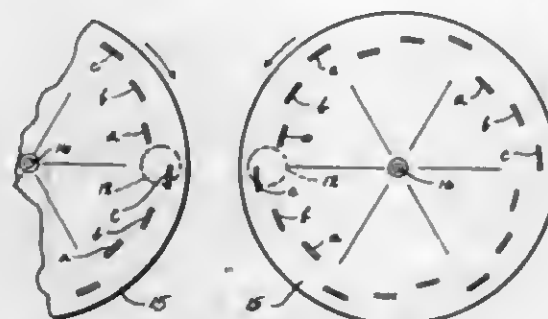
OPTICAL IMAGE DISSECTING APPARATUS
Brian O'Brien, Pittsford, N. Y.
Application October 2, 1948, Serial No. 52,474
10 Claims. (Cl. 88—1)



1. An optical image dissector comprising first lens means for projecting multiple complete images of an object, a diaphragm plate in the focal plane of said first lens means and having a relatively long narrow slit therein, said slit being in non-parallel relation to a line drawn from the optical center of that part of the first lens means which produces one of the multiple images to the optical center of that part of the first lens means which produces a different one of the multiple images so that said slit will transmit the light rays from a different portion of each of the multiple images, and other lens means for projecting an image of said slit including a composite of all relatively different portions of the multiple images onto a receiving surface.

2,627,200

SYSTEM FOR THE PHOTOGRAPHING AND SHOWING OF STEREOSCOPIC MOTION PICTURES
Ralph L. Huber, Seattle, Wash.
Application November 22, 1948, Serial No. 61,466
3 Claims. (Cl. 88—16.6)

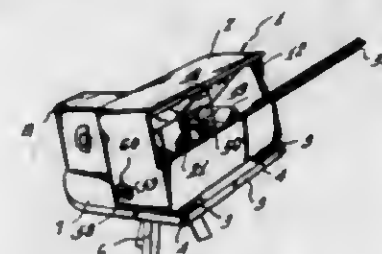


1. Apparatus for the taking and projecting of stereoscopic pictures comprising a picture taking assembly and a picture projecting assembly; the picture taking assembly comprising a pair of aligned laterally spaced cameras; each camera having an image receiving film strip with means for intermittently advancing the strip, an objective lens and a shutter mechanism; each of the strip advancing means and each shutter mechanism being operated in synchronism with each other; the picture projecting assembly comprising a pair of aligned laterally spaced projectors with each projector having an illuminating

means, means for intermittently advancing an image containing film strip, a shutter mechanism and a projecting lens; each of the film advancing means and each shutter mechanism of the projectors being operated in synchronism with each other, each shutter mechanism of the cameras and projectors controlling a plurality of light passages at different distances radially from the axial line of the objective lens which, in their admittance of light rays through the objective lenses and projecting lenses, divide each lens into a plurality of zones coinciding with the location of the corresponding light passages; the shutter mechanism of each camera and its similarly disposed projector providing their light passages in the same relationship to each other so that the zones of corresponding objective and projecting lenses are opened in the same corresponding manner and in the same sequence; the pair of cameras being so disposed that each of their objective lens is focused on a common point of the objective scene being photographed; each of the light passages as provided by the shutter mechanism in opening its zone of the objective lens will allow only a portion of the rays of light reflected from the objective to impinge on a frame of the image receiving film with each succeeding exposure as provided by the shutter mechanism allowing a different portion of the rays of light reflected from the objective to impinge upon succeeding frames of the image receiving film through the coinciding zones of each of the objective lenses, and projecting from each of the projectors the images on the successive frames of the film in the same sequence as taken by each of the corresponding cameras by reproducing rays of light from the illuminating means of each projector and projecting them through the successive frames of the image containing film, through each succeeding light passage of the shutter mechanism and through each coinciding zone of each projecting lens in the same sequence as the images were received by the successive frames onto a viewing screen having its entire reflective face covered with minute spherically curved reflective surfaces which are totally reflective and substantially non-refractive.

2,627,201 STEREOSCOPIC ATTACHMENT FOR USE WITH CAMERAS

Friend F. Baker, Los Angeles, Calif., assignor to Baker & Worth, Incorporated, Los Angeles, Calif., a corporation of California
Application August 23, 1949, Serial No. 111,800
12 Claims. (Cl. 88—16.6)



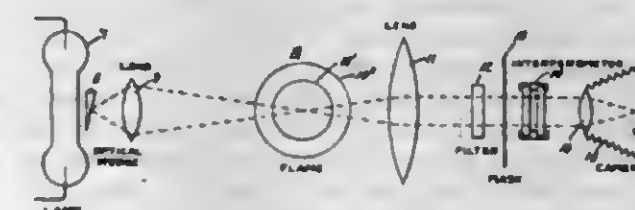
1. In a stereoscopic apparatus for use with a camera having a lens for producing upon a frame area a real image of a subject disposed in the field of view of said camera, the combination of: a pair of objective reflectors associated with said lens defining a pair of laterally spaced view points; collimating means for directing into said lens light transmitted from said subject to each of said reflectors to produce upon said frame

area in side-by-side relation a pair of stereoscopically related images of said subject as seen from said view points; inverting means between each of said reflectors and said lens, said reflectors, inverting means, and collimating means being arranged to direct said light successively along three axes disposed mutually at right angles to thereby rotate said images ninety degrees in the plane of said frame area; mounting means mounting each reflector and inverting means associated therewith for unitary angular displacement about a vertical axis; and coupling means interconnecting said mounting means to produce a given angular clockwise displacement of one reflector and inverting means in response to a given angular counterclockwise displacement of the other, to thereby permit adjustment of the distance from said lens to the point of binocular convergence.

2,627,202

APPARATUS FOR MEASURING FLAME TEMPERATURES

Herbert M. Strong, Schenectady, and Francis P. Bundy, Alplaus, N. Y., assignors to General Electric Company, a corporation of New York
Application May 18, 1949, Serial No. 93,884
7 Claims. (Cl. 88—22.5)

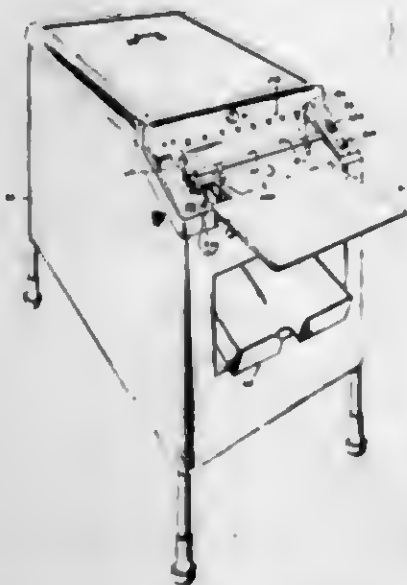


1. Apparatus for obtaining radiation measurements from which the temperatures of two zones in a flame may be determined; said flame having an inner zone at a first temperature and an outer zone at a second temperature surrounding said inner zone, and said flame containing a chemical element producing resonance spectral line radiations; said apparatus comprising, in combination: means for directing radiations of the same spectral composition as said resonance spectral line through at least a portion of said flame along paths which pass through said outer zone only and paths which pass through both said inner and outer zones; means for receiving the radiations of said resonance spectral line both passed through said portion of said flame and generated in said flame, and for spectrally spreading the wavelengths of radiation included in said resonance spectral line into intensity-wavelength patterns, the observable intensity of the center wavelength of said resonance spectral line radiations from said inner zone being modified by absorption in passing through said outer zone, but wavelengths substantially displaced from the center wavelength of said resonance spectral line being relatively unaffected in intensity in passing through said outer zone; and means for recording said intensity-wavelength patterns of radiation through and from both said inner and outer zones; whereby densitometer traces of said patterns may be compared with a calibrating densitometer trace to compute the temperature of said outer zone, and may be compared with said calibrating densitometer trace at wavelengths displaced from the center wavelength of the resonance spectral curves formed by radiation passing through and from both said zones, to afford an accurate computation of the temperature of said inner zone.

2,627,203

DOCUMENT PHOTOGRAPHING MACHINE

Raymond M. Hessert, Larchmont, N. Y.
Original application January 14, 1943, Serial No. 472,359. Divided and this application July 8, 1949, Serial No. 103,650
15 Claims. (Cl. 88—24)



1. In a document photographing machine, a support having a curved document guide portion, a plurality of feed shafts rotatable in said support in spaced parallel relation in a curved path inwardly of and concentric with said guide portion, feed rolls on said feed shafts having peripheral portions projecting slightly beyond said document guide portion, a plurality of idler shafts journaled outwardly beyond said guide portion in spaced parallel relation, said idler shafts being opposite said feed shafts in cooperative parallel relation, feed rolls on said idler shafts having peripheral portions engaging the peripheries of corresponding feed rolls on said feed shafts, means mounting said idler shafts for normally and resiliently projecting and retaining the feed rolls thereon in engagement with the feed rolls on said feed shafts, and drive means for rotating all of said feed shafts in the same direction simultaneously for cooperation to grip and feed documents in one direction about said curved path between pairs of engaged feed rolls, said drive means comprising a driven ring gear, plural spur gears disposed within the circumference thereof and meshing therewith and each of said spur gears being secured to a respective feed shaft.

2,627,204

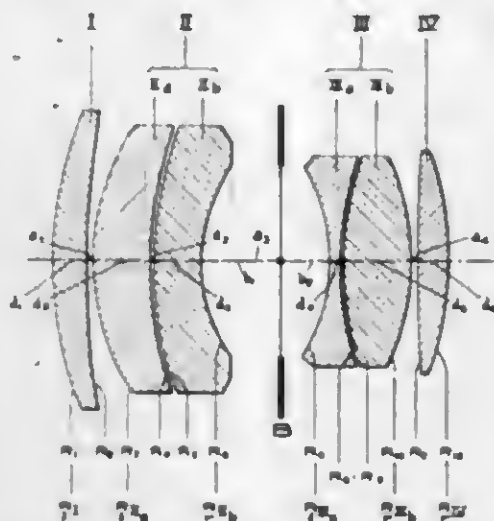
FOUR-COMPONENT GAUSS-TYPE PHOTOGRAPHIC OBJECTIVE OF HIGH LIGHT-TRANSMITTING CAPACITY

Albrecht Wilhelm Tronnier, Göttingen, Germany, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany, a corporation of Germany

Application December 28, 1950, Serial No. 203,179
In Switzerland April 29, 1950
4 Claims. (Cl. 88—57)

1. A photographic objective of high light-transmitting capacity formed by two halves of the Gauss-type, which enclose the diaphragm; each of said halves being formed by (a) a diverging unit arranged near the diaphragm and composed of two lens elements of opposite power and (b) a further lens member having a converging effect and being turned away from the diaphragm; wherein on the one hand, the dioptrically most effective diverging surfaces, i. e. the inner surfaces of the diverging unit in both halves

of the objective, are turned toward the diaphragm, and, on the other hand, the dioptrically most effective converging surfaces of the positive elements of the two halves of the objective, i. e. the outer surface of each of said further lens members having a converging effect and the outer surface of each of the two units enclosing the diaphragm, are turned away from the diaphragm, said outer converging surfaces having the strongest converging effect and having the radii of curvature on these two lens surfaces selected in such a manner that the sum of the two radii is clearly greater than zero and thus has a plainly positive value; moreover, and simultaneously, the refractive indices of the glasses in the half system arranged on the side of the shorter conjugate, i. e. on the image side in the meaning of the photographic picture, are increasing in the elements limited by said dioptrically most effective surfaces starting at the diaphragm and in



the meaning of the photographic picture from the object side toward the image side, in such a manner that each difference of refractive indices for yellow light, starting from the diaphragm—i. e. from the center toward outside within the system—is clearly greater than 0.0185; the refractive indices of the glasses of lenses which enclose the diverging lens following the diaphragm in the meaning of the photographic picture, being distinctly greater for the yellow light of the spectrum, then the refractive index of said diverging lens following the diaphragm and, moreover and simultaneously, the difference of refractive indices for the same spectral color, of the glasses on the dioptrically most effective diverging surface adjacent the diaphragm on the side of the shorter conjugate, and in the positive converging surface which is most remote and turned away from the diaphragm on the side of the shorter conjugate, is distinctly greater than 0.0370; the radii of curvature of the individual refractive surfaces being in the following ranges:

$$\begin{aligned} 0.4 F < R_1 < 0.8 F \\ 1.0 F < R_2 < 3.0 F \\ 0.3 F < R_3 = R_{IIa} < 0.6 F \\ 0.4 F < R_4 < 4.0 F \\ 0.4 F < R_5 < 4.0 F \\ 0.18 F < R_6 = R_{IIb} < 0.36 F \\ 0.18 F < R_7 = R_{IIIa} < 0.36 F \\ 0.5 F < R_8 < 2.0 F \\ 0.5 F < R_9 < 2.0 F \\ 0.3 F < R_{10} < 0.6 F \\ 1.0 F < R_{11} < \infty \\ 0.6 F < R_{12} < 1.0 F \end{aligned}$$

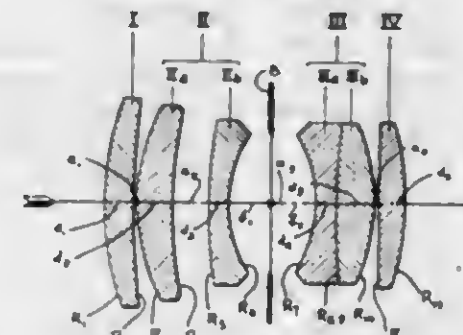
wherein $R_1, R_2, \dots$ denote the radii of curvature of the successive lens surfaces counting from the front and F is the equivalent focal length of the total objective.

2,627,205

CORRECTED FOUR-UNIT PHOTOGRAPHIC OBJECTIVE COMPRISING TWO HALF SYSTEMS ENCLOSING THE DIAPHRAGM

Albrecht Wilhelm Tronnier, Göttingen, Germany, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany, a corporation of Germany

Application December 28, 1950, Serial No. 203,180
In Switzerland January 13, 1950
5 Claims. (Cl. 88—57)



1. Photographic objective of high light-transmitting capacity, comprising two halves of a system enclosing a diaphragm; each of said half systems being composed of (a) a unit adjacent the diaphragm, comprising two adjacent lens elements of opposite power, and (b) a converging unit turned away from the diaphragm; wherein the dioptrically most effective diverging surfaces, i. e. the inner surfaces adjacent the diaphragm of said units adjacent the diaphragm, are turned toward the diaphragm in both halves of the system, and the dioptrically most effective converging surfaces of the positive elements in the two halves of the system, i. e. the outer surface of each outer converging unit in the two halves of the objective and the outer surface of each of the two units enclosing the diaphragm, are turned away from the diaphragm; the dioptrically most effective converging surfaces, which limit the inner units enclosing the diaphragm on the side turned away from the diaphragm, in both halves of the system, being shaped in such a manner that the sum of their radii is clearly greater than zero and thus has a plainly positive value; furthermore, the refractive indices of the lens glasses showing a continuous increase in the direction of the shorter conjugate, i. e. in the meaning of the photographic picture, in the lenses adjacent the image side, said increase starting at the center of the system, in such a manner that the difference between the refractive index of the outer lens arranged on the image side and turned away from the diaphragm and the arithmetical mean of the refractive indices of the glasses of the individual diverging lens elements enclosing the diaphragm, is distinctly greater than 0.0370 and simultaneously each and every individual step of this specific increase of the refractive indices is greater than 0.0185; the radii of curvature of the individual refractive surfaces being in the following ranges:

$$\begin{aligned} 0.4 F < R_1 < 0.8 F \\ 1.0 F < R_2 < 2.5 F \\ 0.3 F < R_3 = R_{IIa} < 0.6 F \\ 0.5 F < R_4 < 5.0 F \\ 0.5 F < R_5 < 5.0 F \\ 0.18 F < R_6 = R_{IIb} < 0.36 F \\ 0.18 F < R_7 = R_{IIIa} < 0.36 F \\ 0.4 F < R_8 < 4.0 F \\ 0.4 F < R_9 < 4.0 F \\ 0.30 F < R_{10} = R_{IIIb} < 0.6 F \\ 1.0 F < R_{11} < \infty \\ 0.5 F < R_{12} < 1.0 F \end{aligned}$$

wherein $R_1, R_2, \dots$ denote the radii of curvature

of the successive lens surfaces counting from the front and F denotes the equivalent focal length of the total objective.

2,627,206

DENTAL MOUTH MIRROR

Harold L. Clark, Belmont, Mass.

Application February 16, 1952, Serial No. 271,892
1 Claim. (Cl. 88—104)



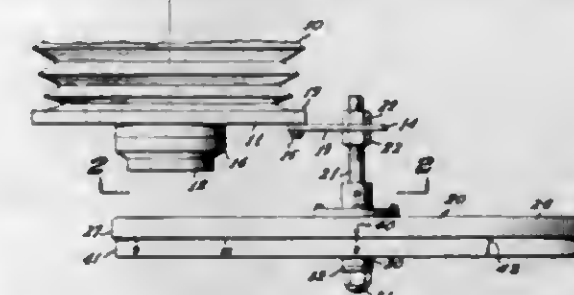
A dental mouth mirror comprising a removable mirror with bevelled edges along its top and bottom, a base of slightly greater area than that of the mirror, a handle rigidly attached at a predetermined angle to said base, said base having external threads around its periphery, a corresponding internally threaded ring-like bezel for interlocking on the threads of said base, said ring-like bezel having a width approximately equal to the thickness of both base and mirror and being formed with an internally extending flange on its top edge portion, said mirror fitting within the ring-like bezel and being engaged by said internal flange, a yielding and compressible layer secured to the lower surface of said mirror to contact with the base, the pressure of said flange on the mirror by the action of threading the ring-like bezel on said base effecting a self-seating action of the mirror on the base thru compression of the yielding element, which yielding element simultaneously locks said threaded base and ring-like bezel together by the compressive tension of the same.

2,627,207

FILTER HOLDER

Gustav Frank Bell, Van Nuys, Calif.

Application April 29, 1950, Serial No. 159,033
2 Claims. (Cl. 88—113)



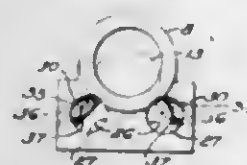
2. In a filter holder for a vertical enlarger having a bottom lens, a shaft, means for vertically securing said shaft adjacent said lens, a first horizontal disc coaxially keyed to the shaft and including a window adapted to be centered under the lens, an annular flange depending from the circumferential periphery of the disc and having filter indexing means on its outer surface adjacent its lower marginal edge, a second horizontal disc journaled on the shaft below and coaxially with the first disc, a plurality of filters on the second disc selectively alignable with said window upon rotation of said second disc, said second disc being nested within said depending annular flange on said first disc, said second disc likewise having an annular depending flange having a lower portion extending below the lower

marginal edge of the first flange, and an upper portion nested within the confines of said first flange, said lower portion being in close proximity to said lower marginal edge of said flange on said first disc and having complementary indexing means in close proximity to said first indexing means, and said second flange providing a manipulative handle entirely around the filter holder, and detent means between said discs corresponding to said indexing means for releasably retaining any selected filter centered with said window.

2,627,208

FEEDING MECHANISM FOR AUTOMATIC FIREARMS

Clarence E. Simpson, Wilbraham, Mass., assignor to the United States of America as represented by the Secretary of War
Original application October 29, 1948, Serial No. 57,283. Divided and this application April 6, 1950, Serial No. 154,393
3 Claims. (Cl. 89—33)
(Granted under Title 35, U. S. Code (1952), sec. 266)

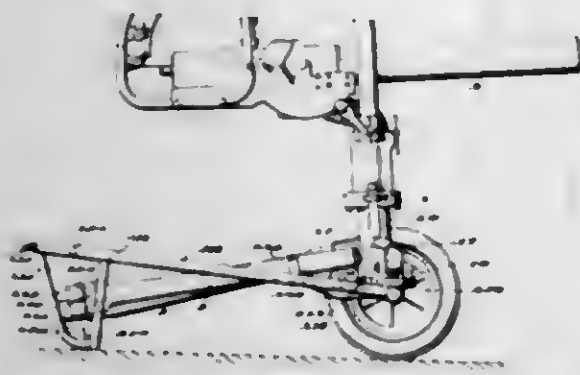


1. In an automatic firearm having a receiver and a bolt reciprocable therein, the combination of, a pair of cartridge support rods extending longitudinally through the bolt and rotatably secured at either end in the receiver, each of said rods having a cam track on the outer side thereof and a longitudinal flat surface on the inner side thereof, and means in the bolt engageable in said cam tracks for rotating said rods from a cartridge supporting position wherein said flat surfaces are inclined toward one another to a cartridge releasing position wherein said flat surfaces are parallel to one another.

2,627,209

MOBILE CARRIAGE FOR TRIPOD GUN MOUNTS

Samuel G. Green, Alexandria, Va., and Walter H. D'Ardenne, Jenkintown Manor, William J. Meinel, Huntington Valley, and Weber Devore, Horsham Township, Montgomery County, Pa., assignors, by direct and mesne assignments, to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application December 31, 1943, Serial No. 516,520. Divided and this application May 23, 1946, Serial No. 671,876
4 Claims. (Cl. 89—40)



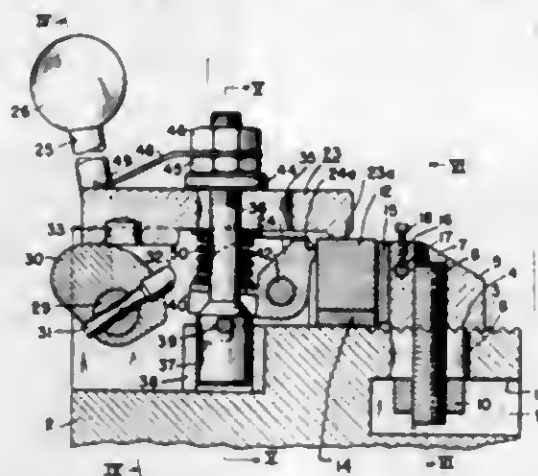
1. A gun mount having an upright standard with a base plate and detachable tripod legs

socketed adjacent the base plate, a two wheeled carriage support including a triangular frame, a supporting plate carried by said frame, clamping means for detachably securing said base plate to said supporting plate, and means on said frame for securely supporting said legs within the confines of said triangular frame when the device is being wheeled.

2,627,210

CLAMPING DEVICE

William J. Kear, McKeesport, Pa., assignor to Firth Sterling Steel & Carbide Corporation, McKeesport, Pa., a corporation of Pennsylvania
Application June 22, 1951, Serial No. 233,037
7 Claims. (Cl. 90—59)

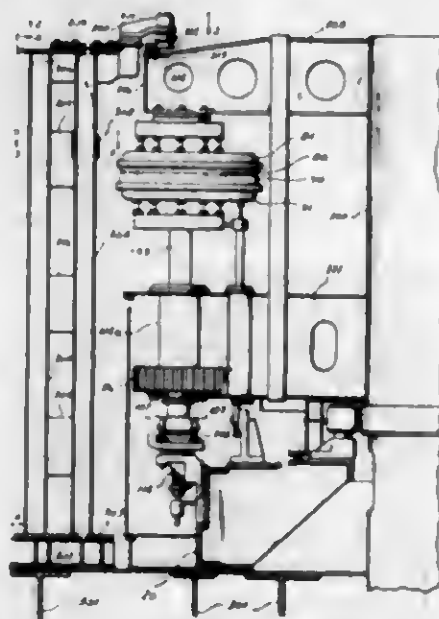


1. A clamping device for holding a work piece, comprising a support, a fixed side jaw, a pivoted side clamp opposite the fixed side jaw, a tiltable top clamp, means for tilting said top clamp to engage the work piece, and means connecting said top clamp and said pivoted side clamp for moving the latter to engage the work piece whereby movement of the side clamp by the work piece from a clamped position forces the top clamp into tighter engagement with the work piece and vice versa.

2,627,211

MACHINE FOR PRESSING PULP ARTICLES

Merle P. Chaplin, Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application October 18, 1949, Serial No. 122,001
4 Claims. (Cl. 92—59)



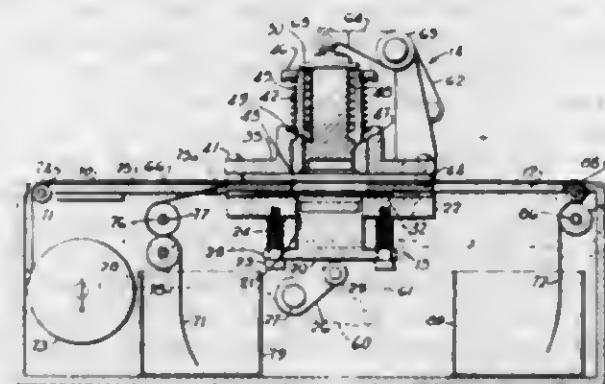
1. In a machine for making pulp articles wherein a plurality of die couples each composed

of upper and lower mating dies are carried by upper and lower carriers supported on a vertical shaft mounted on a firm foundation to travel through an endless orbit with each of the lower dies of said couples progressively applying to an interposed pulp article pressure which increases to a predetermined maximum for a portion of the travel of said dies through said orbit and thereafter progressively decreases during a further portion of such travel, the improvement which comprises: an endless annular track common to all of the upper dies mounted at a fixed horizontal elevation on and coaxially rotatable with the carrier of said upper dies, a single hold-down device rigidly anchored to the foundation and upstanding exteriorly of and contiguous to said orbit at the zone of maximum pressure of said die couples in said orbit, a hold-down roller carried by the hold-down device and non-yieldably engaging the upper surface of said track during the passage of progressive portions of such track through said zone of maximum pressure, and a tie roller also carried by the hold-down device and engaging with the inner periphery of said track.

2,627,212

APPARATUS AND METHOD OF CUTTING ADHESIVE MATERIAL AND MOUNTING THE SAME UPON A CARD

Roger Connor and Hunter E. Hooe, Athens, Ohio, assignors to The McBee Company, Athens, Ohio, a corporation
Application December 28, 1948, Serial No. 67,712
16 Claims. (Cl. 93—1)



1. Apparatus of the character described comprising a bed plate providing support for a card, a female die, cooperating inner and outer male dies operable to punch a segment of adhesive-coated material from a strip thereof to mount the same on a card disposed on said bed plate and to perform an inner punch on the mounted segment, another die disposed on the opposite side of said card and operable to punch out a segment of said card having edges intermediate the edges of said first-mentioned segment and inner punch, and means for actuating said dies so that said outer male die and said another die engage the card simultaneously.

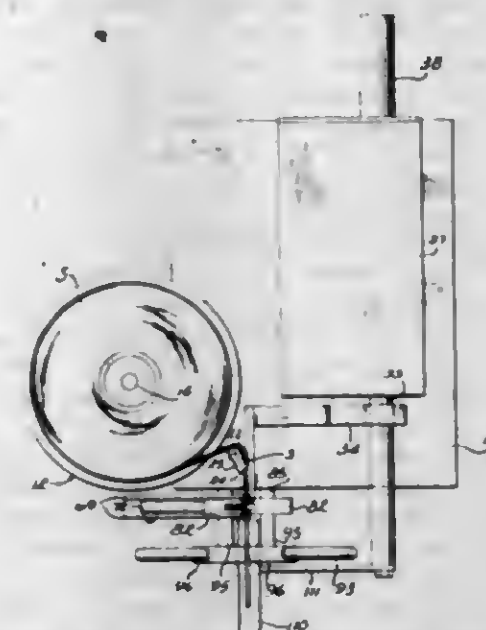
2,627,213

APPARATUS FOR MAKING THERMOPLASTIC RESIN BAGS

Norman H. Nye, Cuyahoga Falls, Ohio
Application November 4, 1949, Serial No. 125,477
6 Claims. (Cl. 93—8)

2. Apparatus for making bags from a doubled thermoplastic sheet which comprises a hot wire to engage and cut transversely and seal the sheet at predetermined intervals, means for reciprocatingly moving said wire relative to the sheet, means

for engaging and gripping a portion of the sheet to thus be cut and holding said portion in position during the cutting and sealing of the sheet, means for reciprocating said gripping and holding means relative to said sheet, means including a

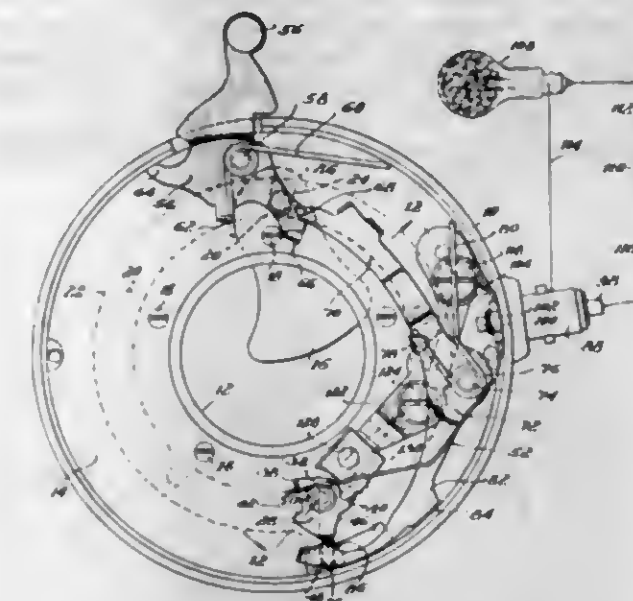


blade extending between the sides of the sheet, and means associated with the blade for reciprocatingly moving the blade through a path of travel between the sides of said sheet and progressively moving the sheet in timed relation to said wire and sheet-gripping and holding means.

2,627,214

PHOTOGRAPHIC SHUTTER WITH SYNCHRONIZER

Gustave P. Pirwitz, Irondequoit, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application October 9, 1948, Serial No. 53,682
4 Claims. (Cl. 95—11.5)



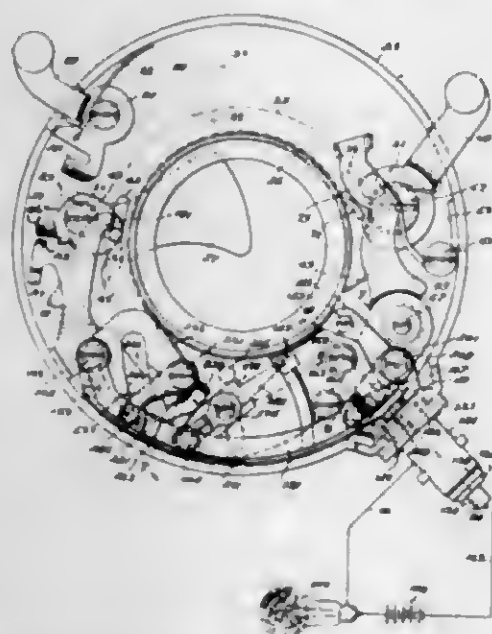
1. In an electric circuit closing photographic shutter, the combination with a casing provided with two externally accessible terminals adapted to be included in such a circuit, a separate mounting plate in the casing, and a blade mechanism including shutter blades movable between closed and open positions and an annular blade ring pivotally connected to the blades to open them upon rotary movement of said ring in one direction and to close them upon rotary movement of said ring in the opposite direction, of a pivoted blade lever spaced from said externally accessible terminals and mounted for oscillation about a

pivotal axis on the mounting plate, such oscillation being in a plane parallel with the mounting plate, said blade lever being operatively engaged with said blade ring to rotate the blade ring first in one direction and then in the other direction when the blade lever oscillates first in one direction and then in the other, for opening and closing the blades, said blade lever being provided with a laterally disposed contact arm also parallel with the mounting plate arranged to oscillate in a definite arc in a plane perpendicular to said axis during such oscillation of the blade lever, an insulating plate lying flat against said mounting plate and located at least partially between said blade lever and said terminals, a conducting plate electrically connected to one of the terminals and overlying the insulating plate throughout a substantial part of the length thereof, said conducting plate and said insulating plate being secured to the mounting plate at two spaced points by insulated fastener means, one end of said conducting plate extending beyond said points in cantilever fashion and being offset outwardly from the plane of said insulating plate and being formed as a contact surface lying substantially parallel to said mounting plate and in position to be engaged by said contact arm on the blade lever during part of the oscillating movement thereof, and an insulating block carried and supported by the cantilever end of said conducting plate, said block having a surface flush with and forming a continuation of said contact surface engaged by said contact arm and being of sufficient size so that said contact arm of said blade lever, during all parts of its travel, is engaged with either said contact surface of said conducting plate or the surface of said insulating block, the other terminal being grounded to the shutter casing and mechanism.

2,627,215

PHOTOGRAPHIC SHUTTER WITH SYNCHRONIZER

Friedrich A. Gustav Pirwitz, Rochester, Gustave P. Pirwitz, Irondequoit, and Jack H. Sutton and George H. Schlueter, Rochester, N. Y., assignors to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application October 9, 1948, Serial No. 53,684
8 Claims. (Cl. 95—11.5)



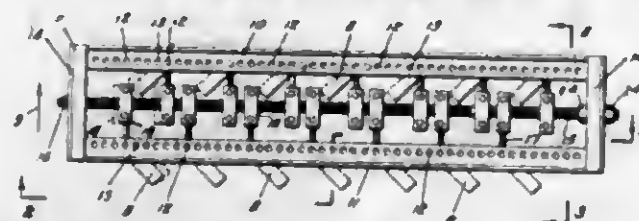
3. A photographic shutter including a shutter blade movable through a cycle of operation from a closed position to an open position and back to a closed position, a master member movable

in a first direction to prepare the shutter for a cycle of operation and movable in a second direction to initiate a cycle of operation, a pivoted operating member having a portion lying in the path of travel of said master member to be moved thereby in a first direction when said master member moves in its first direction, superior spring means resisting movement of said operating member in its first direction and constantly tending to move it and the master member reversely in a second direction so far as permitted by movement of said master member, said spring means constantly urging said operating member toward and keeping it constantly engaged with the master member in all positions of the master member, said master member engaging said operating member only on one side in a direction to resist movement of said operating member under the influence of said superior spring means and being free of contact with said operating member in a direction to assist said superior spring means, an electric switch including a pivoted part movable between open and closed positions, spring means inferior to said last mentioned spring means tending to move said switch part to open position, electric circuit connections leading from said electric switch and adapted to be connected to a photoflash lamp, and interengaging parts on said operating member and said switch part for moving said switch part to closed position during the first part of movement of said operating member in its second direction under the influence of its superior spring and thereafter releasing said switch part during continued movement of said operating member in its second direction so that said switch part may be returned to its open position by its associated inferior spring means, said interengaging parts including an abutment on said switch part mounted to swing about one pivotal axis when said switch part is moved and a pawl on said operating member mounted to swing about a differential pivotal axis when said operating member is moved, the pawl pushing against said abutment during part of the swinging movement of the operating member to move the switch part from the operating member, the respective arcs of swinging movement of said pawl and said abutment carrying them away from each other as the joint swinging movement continues so that the pawl becomes disengaged from said abutment to permit said inferior spring means to return said switch part to its open position before the return of said operating member and pawl, said pawl being sufficiently resilient to be displaced to pass over said abutment when said operating member moves in the opposite direction.

2,627,216

CROSSROW PLANT BLOCKING MACHINE

Graham W. Howard, Fort Collins, Colo.
Application February 15, 1947, Serial No. 728,918
8 Claims. (Cl. 97—23)



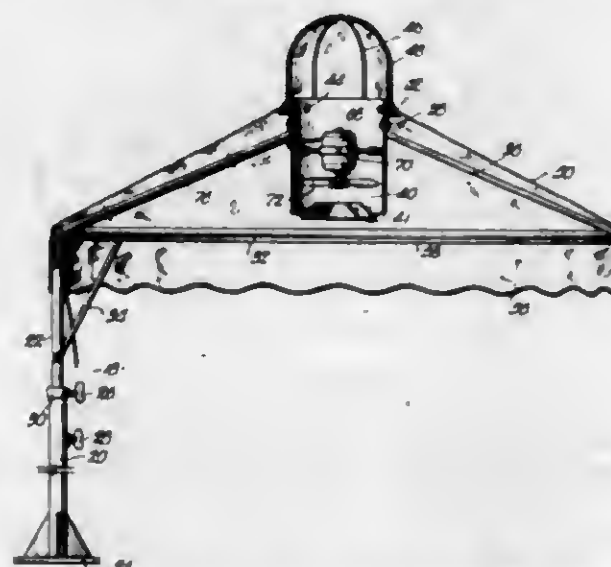
6. Apparatus for blocking row crops and the like, comprising a framework having front and rear pipes extending transversely thereof and provided with vertically extending holes, end channels connecting said pipes and also permitting rotation of said pipes, vertically extending

webs through which said pipes extend and disposed in spaced lateral positions, and stabilizing rods extending from end channel to end channel and attached to said webs; means extending between said webs for attachment of said framework to a tractor or the like; an adjusting screw extending between said end channels and passing through said webs; a plurality of blades having cutting edges adapted to remove plant growth and the like from predetermined spaced areas of crop rows as said apparatus is moved transversely of said rows, said blades being mounted on posts adapted to extend vertically through spaced holes in said front and rear pipes; a clamp attached to each post both above and below said pipe, for turning said post and thereby changing the lateral inclination of the blade mounted thereon; a series of blocks threaded engaging said screw, for changing the pivotal position of said posts when said screw is turned and said blocks move therealong; a link pivoted at one end to each block about a generally vertical axis and at the opposite end pivoted to the corresponding post clamp about a generally horizontal axis; a ring clamped to each of said pipes adjacent one of said webs; a bearing plate attached to a web adjacent each said ring; and adjusting screws mounted on each said ring and bearing against opposite sides of said plate, for changing the pivotal position of each said pipe to vary the inclination of said blades with respect to the horizontal.

2,627,217

PROTECTING HOOD FOR IMPLEMENT DRIVERS

Oscar T. Hainke and Cleo E. Lieurance, Enid, Okla.
Application July 5, 1949, Serial No. 103,004
3 Claims. (Cl. 98—1)

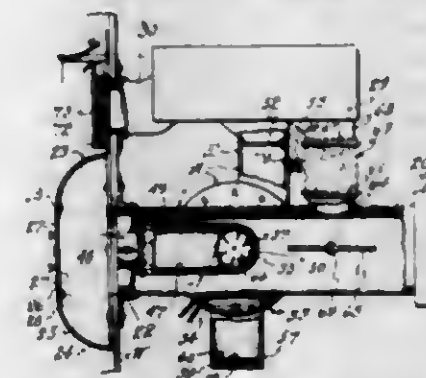


2. A protecting hood of the kind set forth comprising an upright standard; a frame on the standard and extending laterally outwardly from the uppermost end thereof; a frusto-conical cover on the frame having an inlet opening formed therein at its uppermost apex end; an air filter closing said opening; means on one side of said filter for directing a current of air downwardly through said filter and below said cover, said air filter being dome-shaped and extending above the cover, exposing the same to free flow of air therethrough throughout its entire area; and a tubular member within said cover and depending from said inlet opening for confining the flow of air current as the same passes through the inlet opening, said filter and said cover surrounding the tubular member at its uppermost end and being attached thereto.

2,627,218

AIR CONDITIONING UNIT FOR AUTOMOTIVE VEHICLES

Stanley S. Katz, Union, N. J.
Application June 10, 1950, Serial No. 167,271
8 Claims. (Cl. 98—2)

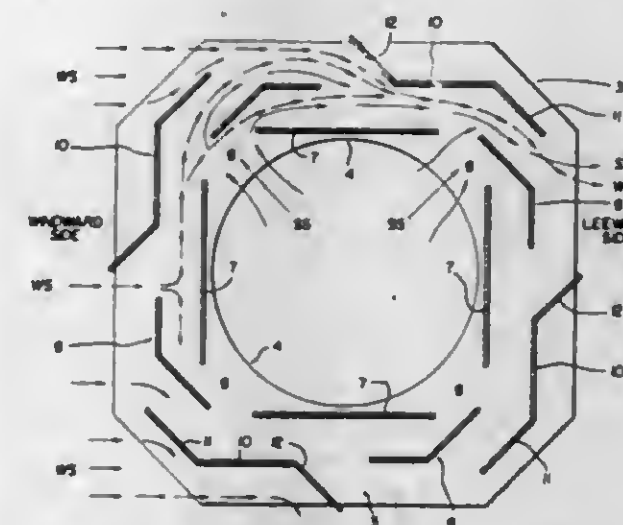


1. The combination with a motor vehicle having an enclosed body compartment, of an air conditioning unit therefor including means by which spent air may alternately be evacuated from the body compartment and replaced simultaneously by heated fresh air or be re-circulated, said means comprising: a heat exchange structure including a chamber communicating with the body compartment, an air blower having an intake port communicating with the interior of the body compartment, an evacuation duct establishing communication between the interior of the air blower and the atmosphere, and a forced flow duct establishing communication between the interior of the air blower and said chamber of the heat exchange structure; an air scoop duct communicating with the body compartment through said chamber of the heat exchange structure to supply fresh air thereto when the vehicle is in motion; and manually operable means by which the forced-flow and evacuation ducts may alternately be opened and shut off.

2,627,219

AIR EXHAUSTER

Cortland N. O'Day, Port Washington, N. Y., assignor to Air Devices, Inc., New York, N. Y., a corporation of New York
Application January 31, 1950, Serial No. 141,494
5 Claims. (Cl. 98—82)



1. An air exhauster including a base, which has a central suction opening adapted to connect with an air duct leading from a space to be ventilated, and a cover disposed above the base; upright supports mounted between the base and cover, comprising an inner-baffle means adjacent and around the suction opening, and having

spaced adjacent edges, which form a suction orifice, and through which static air is adapted to be exhausted from the suction opening; an outer-baffle means, concentrically spaced from the inner-baffle means, which forms an air-flow passage between said two baffle means, and which passage extends past the suction orifice; the outer-baffle means having spaced adjacent edges, providing a wind-stream inlet into the passage; an intermediate-baffle means in the passage, between the inner and outer-baffle means, opposite the inlet, and extending part way across the suction orifice in spaced relation therefrom; and outlet means leading from the passage through the outer-baffle means; the inner and outer-baffle means being so spaced from each other that the portion of the passage, which is adjacent the suction orifice, and which leads toward the outlet means, is enlarged to provide a greater air-flow capacity than the inlet, and that portion of said passage, which is between the intermediate and outer-baffle means, is reduced to provide the same flow capacity as said inlet; whereby the inlet is adapted to admit a lesser volume of a wind stream than will fill the enlarged portion of the passage at the suction orifice, thus providing room or space for the entry of static air, induced to flow as a suction stream, through said suction orifice, from the central suction opening of the base, into said enlarged passage, thus joining the admitted lesser portion of the wind stream, and discharging therewith outwardly from the exhauster through the outlet means.

2,627,220 FUME HOOD

Harry S. Morrow, Muskegon, Mich., assignor to E. H. Sheldon & Co., Muskegon, Mich., a corporation of Michigan
Application November 4, 1950, Serial No. 194,176
8 Claims. (Cl. 98—115)

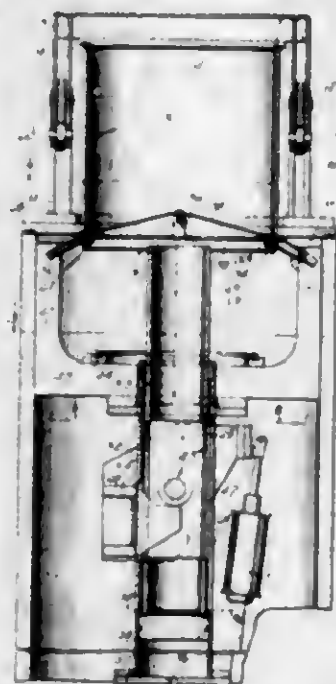


1. A fume exhaust hood comprising means forming a work surface, a housing over said means having means to provide a front access opening to the work surface, blower means forcing air taken from the outside atmosphere into said housing along the lower portion of the rear wall thereof, means along the lower rear wall of the housing to cause the atmospheric air entering the housing to form high velocity upwardly directed jets, inclined baffle means extending along the rear of the housing positioned to deflect the jets forwardly, the space between the rear wall and said baffle means forming an exhaust plenum chamber, said baffle means having a large number of exhaust openings of relatively large aggregate cross sectional area in the upper portion thereof to permit flow of air and fumes from the main portion of the housing to the plenum chamber, and suction means to create a negative pressure in the plenum chamber and connected to exhaust air and fumes therefrom to the outside atmosphere, the capacity of

said suction producing means being substantially greater than that of the blower means so as to cause air to flow from the room in which the fume hood is located through the access opening into the housing at a relatively low velocity.

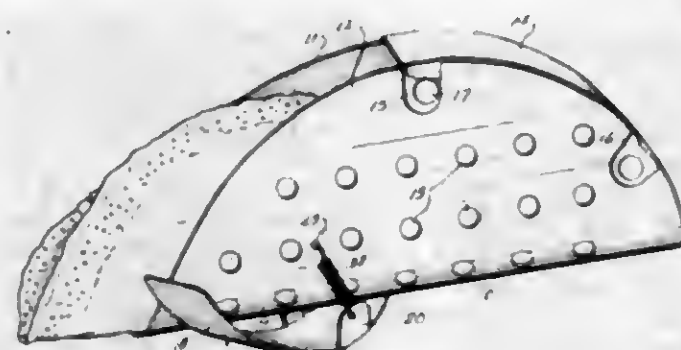
2,627,221 PUFFING GUN

Frank B. Doyle, Raymond, Ill., assignor to Guardite Corporation, a corporation of Delaware
Application November 5, 1949, Serial No. 125,668
14 Claims. (Cl. 99—238)



1. In a puffing gun, an expansion chamber, a charging chamber having an unconstricted opening communicating with the expansion chamber, and closure means for said opening comprising a plunger, a gate mounted on one end of said plunger, said gate and plunger being instantaneously movable between a first position with the gate closing said opening and a second position allowing free puffing communication between the chambers, means for releasably retaining said gate and plunger in first position and means for moving the gate and plunger from second to first position.

2,627,222
UTENSIL FOR COOKING TACOS
Santiago M. Luna, Corona, Calif.
Application September 26, 1950, Serial No. 186,787
4 Claims. (Cl. 99—403)

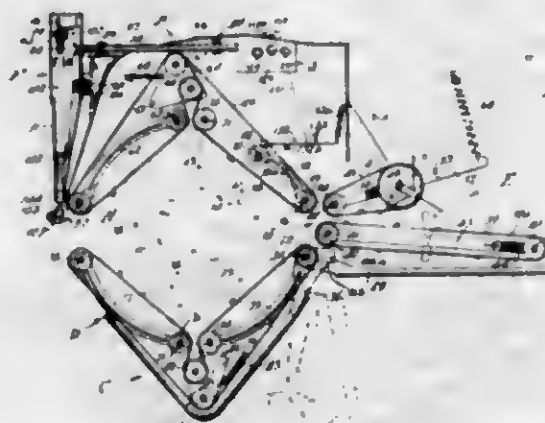


2. A utensil for cooking tacos comprising a substantially circular body of sheet material arcuately bent along a diameter thereof to a folded condition in which its two halves are spaced apart in mutually opposed relationship, a first

cover secured to the halves of said body and closing a part of the space between the curved edges of said halves, and a second cover resiliently secured to the halves of said body and covering the remainder of the space between the curved edges thereof, said second cover being movable from its space covering position for the insertion of a tortilla in folded condition into said body, and said body having apertures therein for the access of hot grease to a tortilla received in said body.

2,627,223 BALING MACHINE FOR COMPACTING STRAW AND STALKS FROM HARVEST- ING MACHINES INTO CYLINDRICAL BALES

Howard J. Berge, Canby, Minn.
Application August 8, 1949, Serial No. 109,196
8 Claims. (Cl. 100—13)

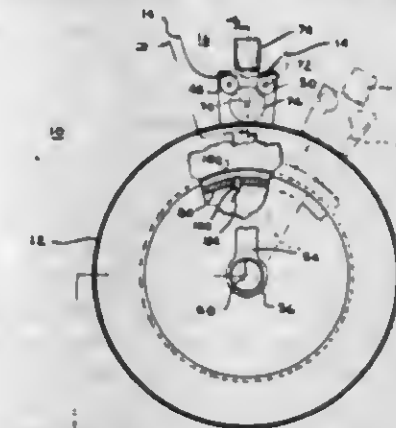


1. In a baling machine, mechanism for rolling and compacting a mass of material such as stalks or straw, said mechanism comprising a plurality of jaw structures arranged in pivotal relation one to the other, said jaws being closed during the compacting operation and being adapted to be opened for discharge of a completed bale, a plurality of compacting arm structures swingably mounted on said jaw structures, a plurality of rolling and compacting elements respectively mounted on said swingable arm structures, tensioning mechanism connected to said arm structures for urging said rolling and compacting elements into retracted position and permitting expansion thereof as the mass of material being compacted increases, and means for driving said rolling and compacting elements.

2,627,224
METHOD OF AND APPARATUS FOR BILLING
AND INVENTORYING STOCK
Hanley W. Wolf, Detroit, Mich.
Application December 1, 1948, Serial No. 62,948
19 Claims. (Cl. 101—93)

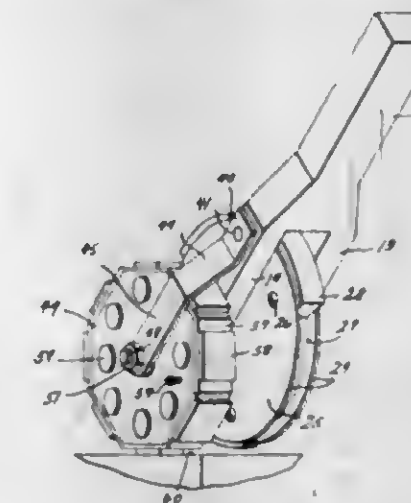
1. In the art of printing, the method of printing a single line of type at a time which comprises rotating a printing cylinder having on the periphery thereof a plurality of different lines of type extending parallel to the axis of rotation and circularly spaced from one another around the cylinder, disposing a flexible print receiving surface adjacent to the periphery of the cylinder so that the lines of type successively pass thereby, curving the print receiving surface for line contact with a selected line of type on the cylinder, bringing the curved print receiving surface into line contact with the selected line of type on the cylinder as it passes thereby moving the print receiving surface in a curved path hav-

ing its axis coinciding with the axis of rotation of the cylinder and at the same speed as the periphery thereof, and thereafter disengaging



the curved print receiving surface from the selected line of type with the printed impression received thereon.

2,627,225
BOX STAMPER
George A. Barton, Yakima, Wash.
Application December 15, 1949, Serial No. 133,163
3 Claims. (Cl. 101—110)

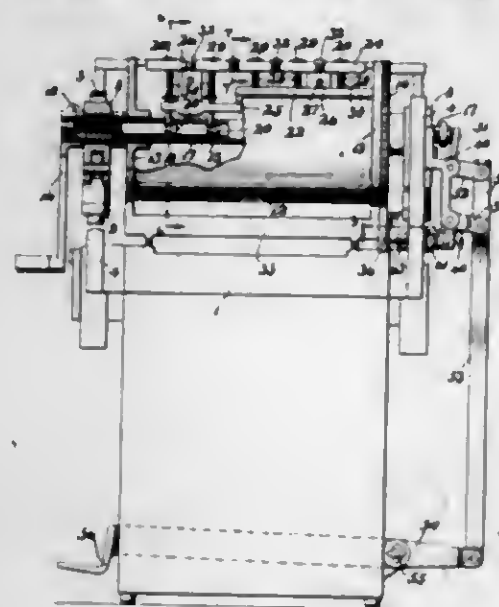


1. A device for marking materials comprising a handle having a coplanar bifurcated end defining a pair of parallel, spaced legs, one of said legs being shorter than the other, an axle mounted transversely between the legs, a variety printing wheel rotatably mounted on the axle, printing indicia arranged around the periphery of said variety wheel, the wheel being mounted so that the plane of its printing surface lies below the shorter leg and above the free end of the longer leg, a selectively rotatable stamping block, means mounting said stamping block on the outside of the longer leg, the stamping block being parallel with the variety printing wheel and having the plane of its printing surface out of alignment and in stepped relation with the plane of the printing surface of the variety wheel.

2,627,226
PROOF PRESS PAPER GRIPPER
Freeman Barney, Spring Lake, Mich., assignor to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application December 13, 1948, Serial No. 64,934
4 Claims. (Cl. 101—277)

1. In a structure as described, a horizontal cylinder, a hollow shaft extending therethrough,

supports for said shaft in which the shaft is rotatably mounted, a horizontal bed located underneath the cylinder, a horizontal table supporting said bed and over which it is longitudinally movable, means for moving the bed back and forth on rotation of the cylinder in opposite directions, a rod axially located within said hollow shaft, said rod at one end extending beyond the adjacent end of the shaft, brackets supported by said table in fixed position, one at each side of the projecting end of said shaft carried rod, a bell crank lever structure mounted on said bracket having an arm engaging against the adjacent end of said rod, said rod within the shaft having a plurality of angular grooves therearound, one side of each groove being of conical form, a gripping bar secured to said cylinder longitudinally and at one side thereof having its outer surface substantially flush with the surface of said cylinder, a plurality of headed rods spaced from each other passing radially of the cylinder through said bar



and through a side of said hollow shaft, their inner ends being received in the grooves of said rod within the shaft; each of said rods at its outer end having a head with a flat under-surface, a spring on each rod yieldingly moving said rod radially inward, means for moving said bell crank lever in a direction to move said rod within the shaft longitudinally, to cause the conical sides of the grooves to engage the inner ends of said radially disposed rods and move them outwardly against their springs, and projecting means carried adjacent each end of said bed at one side thereof, combined with means located in the path of movement of said projecting means on the bed for turning said bell crank lever to move said axially disposed rod lengthwise of said hollow shaft when said bed has moved longitudinally to its innermost position and has moved toward but a short distance short of its outermost position.

2,627,227

RUBBER STAMP PENCIL COMBINATION
Albert D. Claggett, Denver, and David M. Miller, Hugo, Colo.; said Claggett assignor to said Miller

Application January 7, 1949, Serial No. 69,794
1 Claim. (Cl. 101—333)

A rubber stamp adapted to be mounted upon a pencil, comprising: a tubular sleeve arranged to receive the rear extremity of the pencil; an arm extending from said sleeve alongside of and parallel to the axis thereof; a type-holding bar; hinge means mounting said bar on the extremity of said arm so that the bar may be folded from a position parallel to said arm to a position across

the extremity of the latter; a tubular cap member surrounding said arm and said bar when the latter is in the above parallel position, one extremity of said cap being open to receive the ex-



tremity of said pencil; and a tubular, absorbent lining within said cap forming an ink pad completely surrounding said bar, the absorbent surface of said lining facing inwardly and lying in contact with said bar for inking the type therein.

2,627,228

TEXTILE PRINTING ROLL

Frank Bromley, Swarthmore, Pa., assignor to Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware
Application December 23, 1948, Serial No. 67,038
1 Claim. (Cl. 101—375)



A textile printing roll consisting of a solid aluminum-alloy mandrel of cylindrical form, said mandrel having a main body portion of substantial diameter tapering slightly from end to end, and having smaller-diameter integral journal portions of the same alloy at each end, and integral stub end portions of the same alloy projecting beyond each journal portion; an annular jacket of stainless steel bonded to each of said journal portions and constituting a bearing surface therefor; and a copper sleeve on the main body portion of said mandrel having an internal taper mating with the external taper of the mandrel, and keyed thereto.

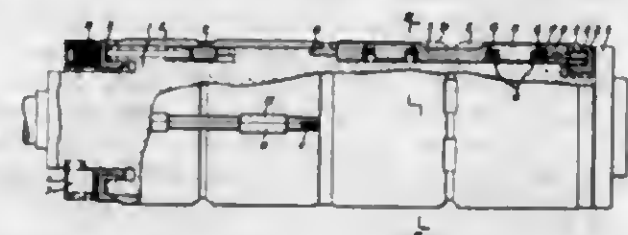
2,627,229

PLATE CYLINDER FOR ROTARY PRINTING MACHINES

Paul Dietrich, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany, a corporation of Germany
Application September 19, 1949, Serial No. 116,569
In Germany October 1, 1948
9 Claims. (Cl. 101—378)

1. In a rotary printing machine, in combination, a type cylinder, at least one printing plate and means for holding said printing plate on said type cylinder, said means comprising axially movable first retaining means for holding said plate at its curved lateral edges and second retaining means engaging the straight edges of said plate, said second retaining means including axially directed clamping strips each having a single lip adapted to overly a recessed straight

edge of said printing plate and bevelled end surfaces, compression springs between said clamping strips and said cylinder, and pressure members having bevelled end surfaces partially overlying said bevelled surfaces of said clamping strips and bevelled complementarily thereto, said

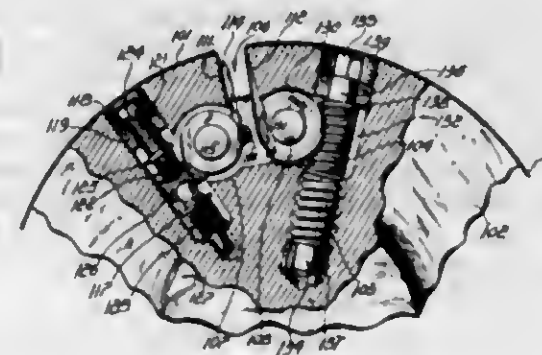


first retaining means including means for urging said bevelled surfaces on said pressure members slidably against said bevelled surfaces on said strips, for depressing said clamping strips on said cylinder against action of said compression springs.

2,627,230

BLANKET TENSIONING MEANS

William F. Huck, Forest Hills, and Franz Heller, Mount Vernon, N. Y., and Alexander J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Original application May 26, 1945, Serial No. 595,898. Divided and this application January 6, 1951, Serial No. 204,802
1 Claim. (Cl. 101—415.1)



A printing machine cylinder having a mechanism for securing blankets on the cylinder, the securing mechanism including a means for attaching one end of the blanket to the cylinder, a reel rod rotatably mounted in the cylinder and to which the other end of the blanket may be attached, a worm wheel for rotating the reel rod, a worm for rotating the worm wheel, bearings for rotatably supporting the worm and allowing the worm to move axially therein, and a spring for biasing the worm in one direction in the said bearings.

2,627,231

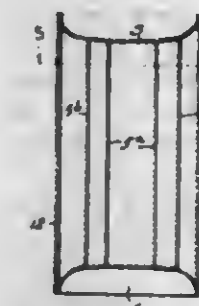
BODY FOR ROCKETS AND ROCKETLIKE VEHICLES

Fritz Kraemer, Huntsville, Ala., assignor to the United States of America as represented by the Secretary of the Army
Application September 28, 1950, Serial No. 187,339
8 Claims. (Cl. 102—49)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A body for rockets or the like including the walls of the rocket hull, inner cylinders and par-

667 O. G.—7

titions disposed therein and cup-shaped top and bottom heads secured to the hull and to the ends

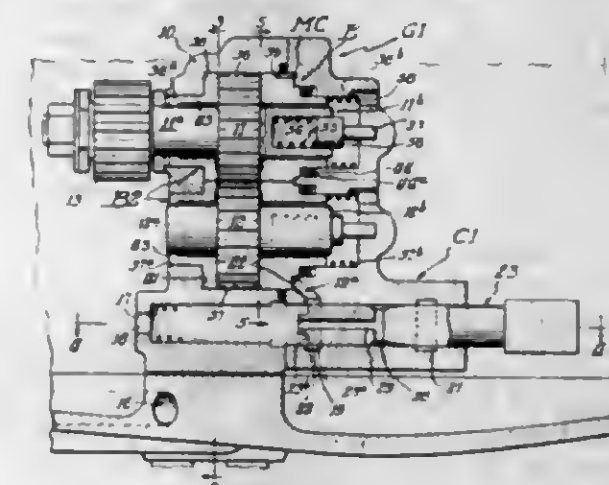


of the cylinders and partitions with the convex surface of the heads facing each other.

2,627,232

HYDRAULIC POWER UNIT

John A. Lauck, South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 7, 1948, Serial No. 47,992
5 Claims. (Cl. 103—42)



1. In an arrangement for generating liquid pressure including a housing containing intermeshing gears adapted to be continuously driven, said housing being formed with a pair of adjoining substantially cylindrical chambers having generally radially extending end walls, said gears being received within said chambers, a low pressure liquid inlet leading to and a high pressure liquid outlet leading from said chambers, reduced bores in the end walls of said housing chambers forming co-axial extensions of said cylindrical chambers, said gears having journals extending from the opposite sides thereof into said reduced bores, axially adjustable bearing and pumping seal defining bushings in said housing on at least one side of said gear members embracing said journals, said bearing and pumping seal defining bushings including outwardly extending tubular portions received in sealed relation within said reduced bores and radially enlarged substantially annular flange portions received in said cylindrical chambers, said annular flange portions each having a front face engageable with the adjacent gear side face from a position below the roots of the teeth to the radially outer extremities of said teeth throughout the circumferential extent thereof, said front face and said side face constituting a pair of adjacent faces which provide a surface area forming a pumping seal between the respective gears and the corresponding annular flange portions, said front faces being subject to the gear generated pressures in said cylindrical chambers in communication with the gear teeth, each of said annular portions also having a back face spaced from the adjacent radial end

wall of the housing to provide an annular control pressure space at the back of each of said annular portions, an annular relief recess formed in said front face radially inwardly of the roots of said gear teeth, means placing said relief recess in communication with a zone of relatively low pressure with relation to the generated pressure, passage defining means placing said space in restricted flow communication with the outlet pressure from said gears for causing the same to act on said pressure responsive surface for pressure loading said bushings in pumping seal engagement, and selectively controllable means including a cylindrical valve bore formed in said housing, port means in the side wall of said valve bore having a flow capacity only a small fraction of the total flow produced by said gears, said port means comprising an annular recess formed in the wall of said valve bore, said annular recess being defined in part by a generally radially extending side wall, a passage in said housing placing said port in communication with said annular control pressure space, a cylindrical spool valve proper received in said valve bore for manual adjustment therein, a relief port in said valve bore in communication with a zone of low pressure relative to said generated pressure and spaced from said port means, said spool valve including a terminal piston portion defined by a first cylindrical surface area and a radial extending terminal surface converging therewith, whereby said cylindrical surface is effective to close said port means when moved into overlapping relation thereto, and is further effective upon a minute movement in the opening direction to uncover the port means, of the order of $\frac{1}{4}$ to $\frac{1}{32}$ of an inch, to thus cause flow to said relief port from said port means about the complete periphery of said piston terminal portion resulting immediately in sufficient relief of loading pressure from said motive chamber to cause the unloading of pressure liquid from further acting on said back face of said annular flange.

2,627,233

PUMP AND PISTON THEREFOR

Duane V. McConnohie, Galesburg, Mich.
Application October 11, 1948, Serial No. 53,955
9 Claims. (Cl. 103—193)



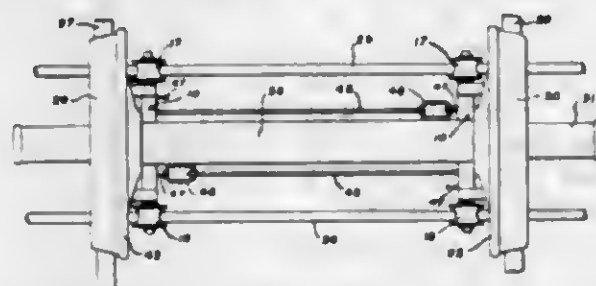
1. In a pump having a casing and a tubular piston rod, a piston reciprocable in said casing and comprising a cylindrical tubular intermediate body member having a side opening spaced from its ends, a head body member threaded upon said intermediate body member and having an annular packing member seat at its inner end

projecting radially relative to the intermediate body member, said head member being threaded at its outer end to receive said piston rod and having a central discharge port communicating with the piston rod and surrounded by an inwardly facing valve seat, there being a plurality of ports formed through said head body member and opening to said valve seat and to the casing above the said packing member seat of said head member, a bottom body member threaded into said intermediate body member and having a second annular packing member seat projecting radially relative to the intermediate body member and having a central inlet port opening to said intermediate body member and surrounded by a second inwardly facing valve seat, outer cupped packing members disposed in outwardly facing relation with base flanges in supported engagement with said packing member seats of said head and bottom body members, packing member supporting rings disposed at the inner sides of the base flanges of said outer packing members, inner cupped packing members disposed in inwardly facing relation with base flanges in supported engagement with said rings, a packing member clamping and spacing sleeve disposed in concentric spaced relation to said intermediate body member with its ends in supporting engagement with the base flanges of the inner inwardly facing packing members, such sleeve having rib-like enlargements at its ends, the packing members and the said several supporting and clamping elements being subjected to clamping stress by the adjustment of at least one of said body members, the said sleeve having an opening therein between the inner packing members, the said rings being of such radial width as to overlap the merging zones of the skirt portions of the packing member with their base flanges, thereby preventing reversing of the cupped packing member skirts within the casing, an inlet valve coacting with said inlet port and said second valve seat, a second valve having a port opening to the said discharge port and coacting with said seat in said head body member and with the said ports opening thereto, and a coil spring arranged between said valves to yieldingly urge them to their seats.

2,627,234

DOLLY TRUCK AND THE LIKE

Vancort H. Richards, Minot, N. Dak.
Application August 27, 1945, Serial No. 612,850
9 Claims. (Cl. 104—32)



1. In a dolly unit for wheel lifting and use in opposed pairs for transporting a vehicle axle and its wheels, the combination with an elongated transverse frame member, of a lever member extending normally from said frame member, aligned wheels journaled in said frame member to movably support a load thereon for traverse over a supporting surface, and vehicle wheel supporting means movably associated with said frame member and positioned forwardly thereof and beyond said aligned frame wheels to provide

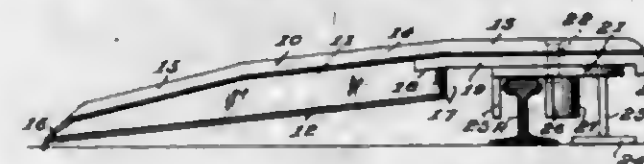
for the vertical displacement of engageable vehicle wheels whereby the latter with their axle may be elevated and lowered relative to a supporting surface responsive to utilizing said lever member as a moment arm with said aligned frame wheels serving as a pivotal axis therefor, said vehicle wheel supporting means projecting forwardly of said frame member and said aligned frame supporting wheels in all operable positions of said frame and lever members.

2,627,235

RAILWAY CAR RERAILING MECHANISM

Edgar Lee Setliff, Killarney, W. Va.

Application October 11, 1950, Serial No. 189,610
5 Claims. (Cl. 104—271)



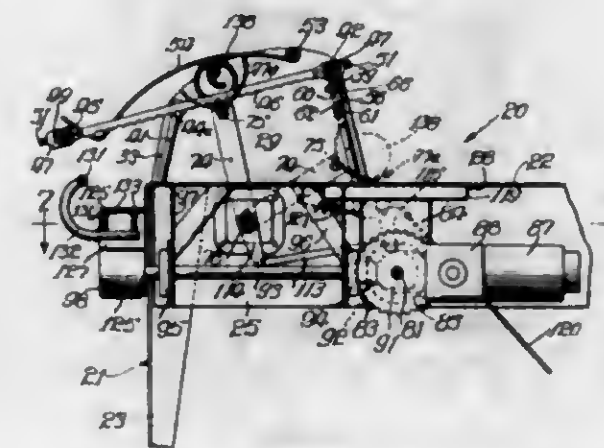
1. A structure for re-railing a derailed railway car comprising a flat bearing plate of uniform thickness engageable with the top of a railway rail, a supporting plate rigid with the bearing plate and projecting therefrom and in normal relation thereto and in spaced relation to an edge thereof, the supporting plate being of a height substantially equal to that of the rail and adapted for vertical positioning in laterally spaced relation to the rail for supporting said bearing plate in horizontal position, a pair of spaced positioning plates of uniform thickness rigid with said bearing plate and projecting therefrom in parallel and spaced relation to said supporting plate and defining a rail ball receiving channel therebetween, said positioning plates adapted for disposition on opposite sides of said rail, and a wheel-engageable track supported adjacent one end thereof on said bearing plate and having pivotal connection therewith to one side of said channel.

2,627,236

APPARATUS FOR MANUFACTURING ICE-CREAM CAKE ROLLS AND THE LIKE

Paul M. Angell and William J. Benn, Chicago, Ill., assignors to Newly Weds Baking Co., Chicago, Ill., a corporation of Illinois

Application April 23, 1949, Serial No. 89,297
4 Claims. (Cl. 107—21)



2. In apparatus for manufacturing ice cream cake confection and the like, cutting means comprising: a plurality of spaced, stationary, parallel saw blades, a first member rotatable beneath said saw blades, a trough-shaped member secured to said first member and slotted to traverse said saw blades without interference upon rotation of said

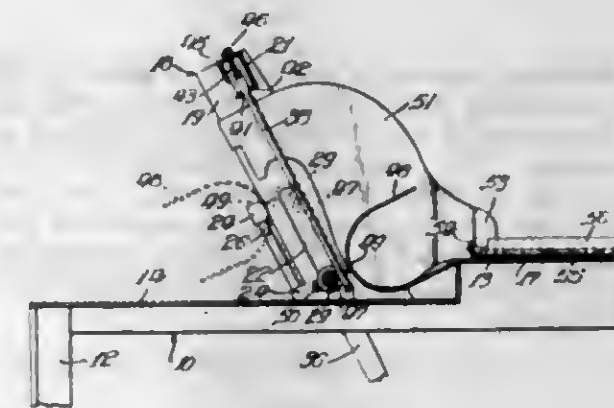
first member, said trough-shaped member being adapted to receive and transport said confection along and against said saw blades, drive means adapted to oscillate said first member, and clutch means adapted to disengage said drive means after one complete cycle of oscillation of said first member.

2,627,237

APPARATUS FOR MANUFACTURING ICE-CREAM CAKE CONFECTIONS AND THE LIKE

Paul M. Angell, Chicago, Ill., assignor to Newly Weds Baking Co., Chicago, Ill., a corporation of Illinois

Application April 29, 1950, Serial No. 158,975
7 Claims. (Cl. 107—21)



7. In apparatus for manufacturing confection having a filling of soft, resilient or mushy material, said apparatus including one or more stationary cutting blades, means for transporting said confection along and against said cutting blades, and simultaneously slowly rotating said confection relative to said cutting blades, said means comprising: a shaft and means simultaneously constraining said shaft to rotation and to translation in a plane which is substantially parallel to the plane of said cutting blades, said shaft positioned to be in sliding contact with the non-cutting edge of each of said cutting blades, two or more trough-shaped receptacles carried by said shaft and spaced therefrom to be positionable on the other side of said cutting blades from said shaft, said receptacles further being longitudinally spaced on said shaft to provide clearance for said cutting blades, whereby upon rotation of said shaft the paths of motion of said receptacles intersect said cutting blades, and means for moving said shaft to follow the rotational and translational constraint thereof.

2,627,238

FUEL AND AIR CONTROL FOR INDUSTRIAL STOKER DRIVES

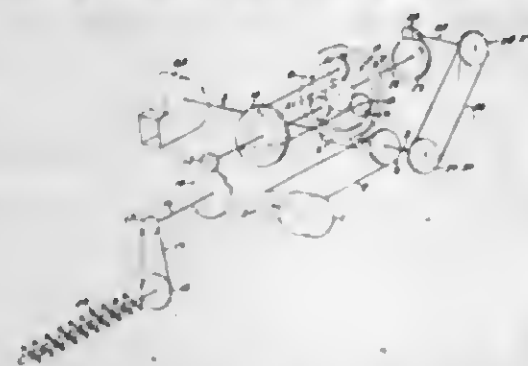
Richard C. Wright, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Cleveland, Ohio

Original application April 28, 1947, Serial No. 744,392. Divided and this application January 19, 1949, Serial No. 71,661

5 Claims. (Cl. 110—101)

1. In a coal stoker having means for feeding coal to a furnace, means for feeding combustion air to said furnace, means for driving said coal feeding means, and means for driving said air feeding means, the combination of a continuously variable speed transmission interposed between said coal feeding means and its said driving

means, a continuously variable means for varying the rate of air feed to said furnace, means for simultaneously varying in increments of any required size the rate of coal feed and the rate of air feed to said furnace, and means for adjusting said rate varying means whereby a change in coal feed rate will be accompanied by a change in air feed rate without substantially altering the ratio of fuel and air fed to said furnace, said last men-

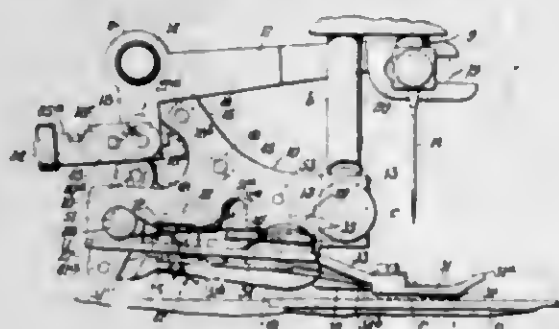


tioned means including an idler sheave carried on an adjustably positioned lever arm, said idler sheave comprising an eccentric hub member and an eccentric rim member adjustably secured thereto, each of said members being circular at both its inner and outer diameters and the inner diameter of each of said members being of a circle eccentric with respect to the circle of its outer diameter.

2,627,239

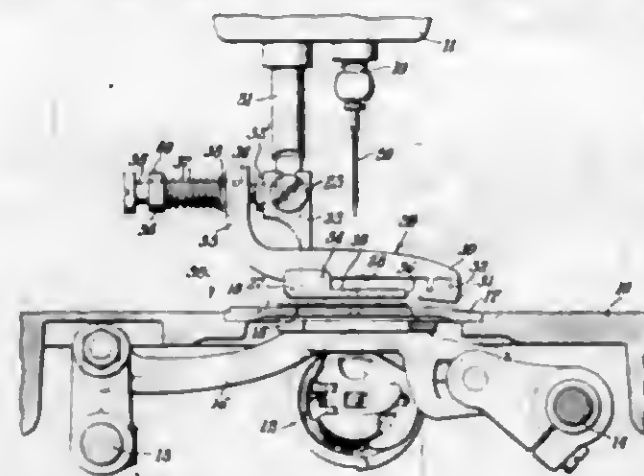
ATTACHMENT FOR MAKING STITCHED HEMS

John P. Enos, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 20, 1948, Serial No. 9,678
9 Claims. (Cl. 112-160)



1. A hemming attachment for a sewing machine having a reciprocating needle-bar and a needle carried thereby, comprising a frame; a work-holder connected to the frame for back and forth shifting movements in a horizontal plane in a direction generally transverse to the feed of the work beneath the work-holder; an edge-guide carried by said work-holder for guiding a folded edge of the work relative to the line of reciprocation of the needle with a marginal portion of the work projecting beneath the edge guide and beyond the fold of the work guided by the edge-guide; automatic means actuated by the needle-bar for laterally shifting the work-holder, the edge-guide and the work relative to the line of reciprocation of the needle to cause the machine to make laterally offset stitches through the folded edge of the work; and automatic means periodically rendering the work-holder shifting means ineffective during the formation of a plurality of stitches thereby to cause the machine to form a series of straight-away stitches through the marginal portion of the work between successive offset stitches.

2,627,240
PRESSER FOOT FOR SEWING MACHINES
Ralph E. Johnson, Mountainside, and Charles A. Kessler, Plainfield, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 24, 1951, Serial No. 207,532
3 Claims. (Cl. 112-235)

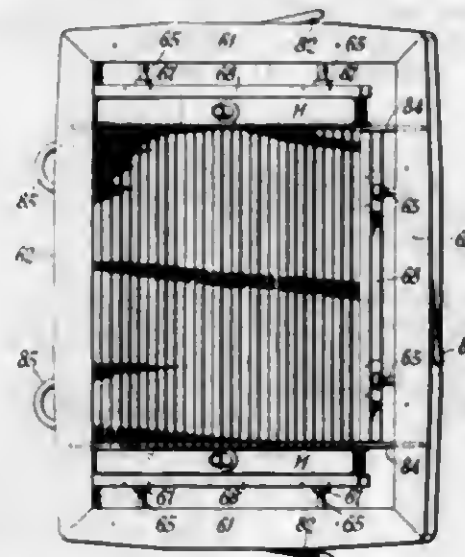


1. A sewing machine presser-foot comprising, a shank adapted for attachment to the presser-bar of a sewing machine, a primary sole-plate pivotally carried by said shank and including a toe portion and a heel portion and a needle aperture formed between such portions, an arm pivotally carried by said shank member and extending over the toe portion of said primary sole-plate, a secondary sole-plate pivotally carried upon one end portion of said arm and being disposed directly in front of the toe portion of said primary sole-plate, spring means acting upon said arm to bias the latter about its pivot and relative to said primary sole-plate, and means for varying the pressure of said spring means upon said arm.

2,627,241

APPARATUS FOR MAKING TUBULAR RADIATOR CORES

Stanislaus Przyborowski, Kenmore, N. Y., assignor to Fedders-Quigan Corporation, Buffalo, N. Y., a corporation of New York
Application December 30, 1948, Serial No. 68,294
1 Claim. (Cl. 113-102)



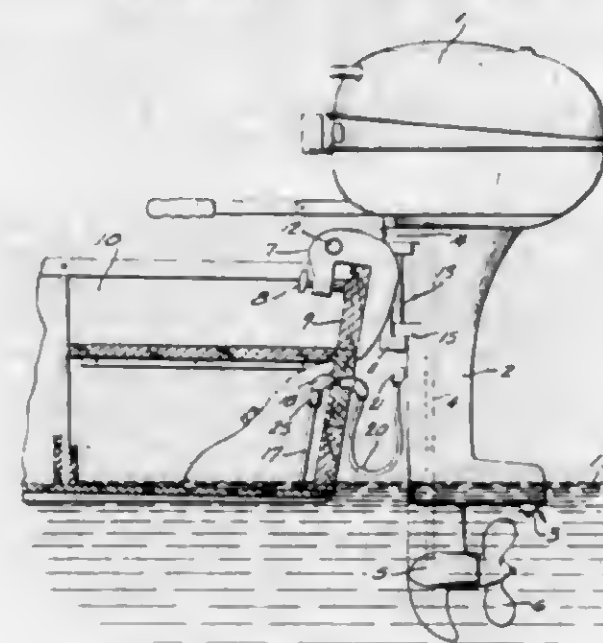
An assembly frame for radiator cores comprising an open body having opposed side and end rails, pairs of aligned apertures formed in the side rails adjacent the end rails, supporting rods extending in parallelism to the end rails and between said apertures and removable axially

therethrough, said supporting rods having opposed plane faces between the side rails facing toward and away from the end rails, a pressure bar mounted on one side of the body between said apertures therein and within the opening of the frame, operating mechanism connected to the pressure bar and to the frame for moving said pressure bar toward and away from the opposite side rail, said pressure bar being adapted to clamp a plurality of water passage elements and fin elements within the frame, additional pressure bars mounted within the frame opening adjacent said end rails and between said end rails and said pairs of apertures, and mechanism connected to said additional pressure bars and said frame for moving the additional pressure bars linearly toward and away from each other, whereby said additional pressure bars may clamp header members to the water passage and fin elements retained in the frame by said first named pressure bar, said supporting rods being supported on said side rails adjacent said apertures.

2,627,242

BOAT BAILING ATTACHMENT FOR OUTBOARD MOTORS

Elmer C. Klekhaefer, Cedarburg, Wis.
Application April 7, 1948, Serial No. 19,606
4 Claims. (Cl. 115-18)



1. In an outboard motor adapted to be secured to the transom of a boat, the combination comprising an engine, a housing supporting said engine, a propeller carried by said housing, an exhaust chamber in said housing to receive exhaust gases directly from said engine and having an underwater exhaust opening rearwardly of and adjacent said propeller whereby said chamber in the normal operation of said engine is subject to substantially less than atmospheric pressure, a conduit having one end open at the bottom of the boat and communicating with said chamber, said conduit being adapted to extend and permitting the motor to be freely pivoted for steering and for raising from the water.

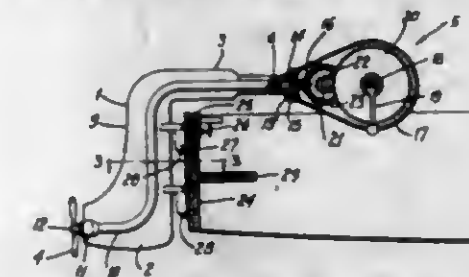
2,627,243

COMBINATION RUDDER AND PROPELLER DRIVE ASSEMBLY

Carl Herman Stahmer, San Francisco, Calif.
Application January 21, 1949, Serial No. 71,877
4 Claims. (Cl. 115-24)

1. A combination rudder and propeller drive assembly for a boat having a rear wall, com-

prising a rudder including a relatively flat blade disposed in a vertical plane and having a vertical central section, a rearwardly projecting lower section and a forwardly projecting upper section and having a substantially centrally located guide duct extending from end to end therein, means for securing the central section upon the

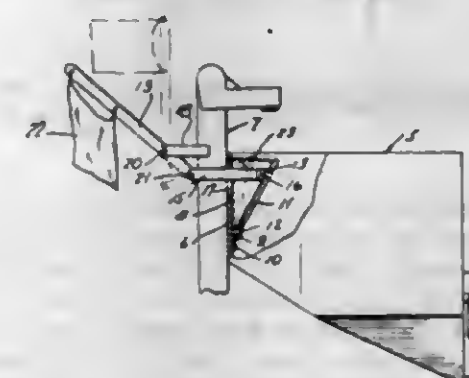


rear wall of the boat, a flexible shaft in said guide duct, a propeller mounted upon the rear end of the shaft and rearwardly of the rudder, a gear housing mounted upon the front end of the rudder so as to form a forward continuation thereof, and a gear mechanism in said housing and connected to the front end of the shaft, and having means for driving the same.

2,627,244

SIGNAL FOR GRAIN BOXES OF THRESHERS AND COMBINES

Gust J. Herigstad, Mohall, N. Dak.
Application August 2, 1949, Serial No. 108,121
1 Claim. (Cl. 116-114)



A device for signalling the rise of grain in an open top grain box toward the full level comprising a vertically disposed plate positioned within and in parallel spaced relation with respect to a side wall of said grain box adjacent the open top thereof and having one end connected to said side wall for movement toward and away from the latter wall, a bellows interposed between said plate and said side wall and secured to the edges and other end of said plate and to said side wall, a lever arm positioned exteriorly of said grain box and mounted for pivotal movement about a horizontal axis intermediate its ends thereof, a horizontally disposed link having one end pivotally connected to said plate adjacent the other end thereof and having the other end connected to one end of said lever arm, and a signal flag dependently supported from said lever arm adjacent the other end thereof.

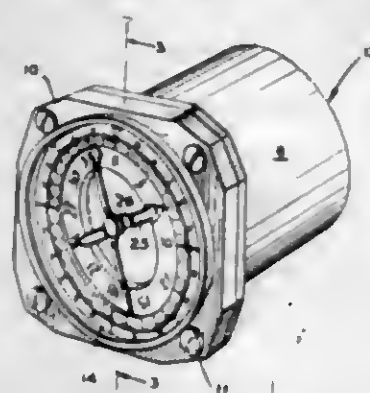
2,627,245

DIAL AND POINTER ASSEMBLY FOR INDICATORS

Vernon R. Kimball, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 9, 1948, Serial No. 37,959
9 Claims. (Cl. 116-129)

1. In an indicator for defining a combination of individual readings, a plurality of dials rela-

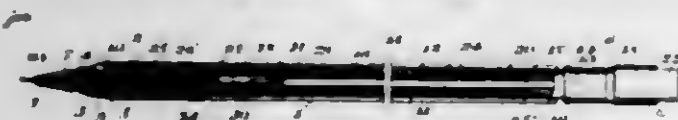
tively rotatable with respect to each other having calibrations thereon for giving desired reading information, one of said dials having a stepped indicia bearing portion, and plural



pointer means associated with said dials for pointing out information therefrom, one of said pointers having an off-set section for cooperation with said stepped indicia bearing portion.

2,627,246
MECHANICAL PENCIL WITH LEAD ADVANCING MEANS

Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 16, 1948, Serial No. 2,627
7 Claims. (Cl. 120—17)

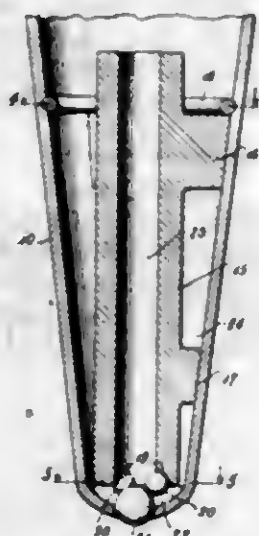


1. A mechanical pencil comprising a tubular body tapered at one end, a longitudinally slotted feed tube within said body and fixed thereto, a spirally slotted guide tube concentrically disposed with reference to said last mentioned tube and mounted for reciprocal and rotary movement within said tubular body, a lead clutch slidably and frictionally disposed within said longitudinally slotted feed tube and having an offset portion extending laterally of said lead clutch and engaging the slots of the longitudinally slotted feed tube and the spirally slotted guide tube, clutch means between the said feed tube and guide tube to prevent rotation of said spirally slotted guide tube relative to said longitudinally slotted feed tube and disengageable by a forward axial movement of said spirally slotted guide tube, said spirally slotted tube by an axial non-rotative movement serving to positively advance the lead clutch within the longitudinally slotted feed tube by engagement of a slot wall of the spirally slotted tube with said offset portion of said lead clutch, thereby advancing said lead clutch against the frictional engagement between said lead clutch and said longitudinally slotted tube, and spring means urging said spirally slotted guide tube to rotate relative to said longitudinally slotted feed tube and to return said spirally slotted guide tube to its normal position and without disturbing the frictional engagement between the lead clutch and the longitudinally slotted feed tube, and at the end of said return movement, additionally urging said clutch means between said guide and feed tubes into engaged position, whereby when said spirally slotted guide tube is depressed in a forward axial direction the lead clutch is positively advanced a corresponding distance in the longitudinally

slotted feed tube, and upon return of the spirally slotted tube to original extended position with the clutch means between the said two tubes again fully engaged the pencil is ready for further repeated advancements of the lead clutch by additional depressions of the spirally slotted guide tube.

2,627,247
BALL-POINT PEN WITH BALL-BEARING MOUNT

Maurice J. Reed, Red Bank, N. J., assignor of three-eighths to Anne E. Reed and two-eighths to Thomas J. Eurell, II, both of Middletown Township, Monmouth County, N. J.
Application December 29, 1948, Serial No. 67,803
3 Claims. (Cl. 120—42.4)



1. A writing instrument comprising a generally spherical writing ball applicator, a hollow tip portion providing an aperture through which said applicator partially projects, a reservoir for supplying writing fluid to a hollow interior of said tip portion, a hollow cylindrical partition subdividing the hollow interior of said portion into two concentric writing fluid conduits terminating adjacent but spaced from the ball applicator, the end of said partition adjacent the aperture in the tip portion through which the ball applicator projects having sockets therein and balls in said sockets bearing tangentially on said ball applicator.

2,627,248
PRESSURE FLUID ACTUATED TOOL WITH IMPROVED VALVE ACTUATING MEANS

Ernest H. Shaff, Spring Lake, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan
Application November 30, 1948, Serial No. 62,674
2 Claims. (Cl. 121—12)

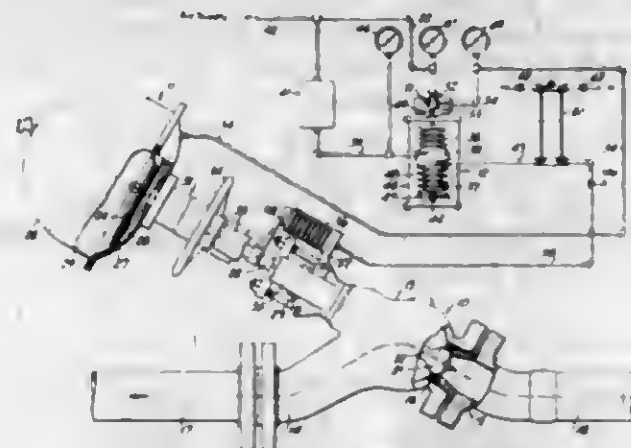


1. A pressure fluid actuated tool comprising, in combination, a housing defining a cylinder and a valve chamber coaxially aligned with said cylinder, a piston disposed within said cylinder, a piston rod rigid with said piston, a valve including an annular bushing coaxially disposed with respect to said cylinder within said valve chamber and having a supply passage therein for communication with a source of pressure fluid and an exhaust passage therein for communication with

the atmosphere and also having sets of supply and exhaust ports therein affording communication between said bushing passages and the interior of said bushing, a hollow valving element shiftable within said bushing between limit positions for alternately connecting said sets of ports with said cylinder on opposite sides of said piston to effect reciprocation thereof, a hollow valve stem having one end extending axially through said valving element, a pair of springs supported on said stem on opposite sides of said valving element, and means supported on the other end of said stem and engageable by said piston rod so that as said piston and rod approach the limits of a stroke said means is engaged to move the stem in the direction of motion of the rod to compress one of said springs whereby shifting of said valving element is initiated to close off one of said sets of supply and exhaust ports and partially open the supply port of the other of said sets of ports, pressure fluid admitted through the latter port acting on said valving element to complete its shift into its opposite limit position, said hollow valve stem affording communication between one of said sets of ports and one end of said cylinder.

2,627,249
FLUID PRESSURE OPERATED POSITIONING APPARATUS FOR MOTOR VALVES

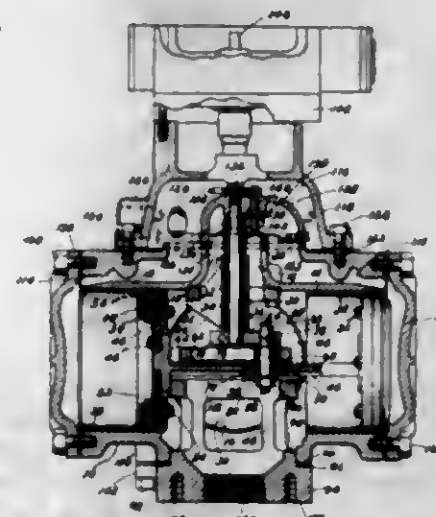
Austin U. Bryant, Berkeley, Calif., assignor, by mesne assignments, to M & J Engineering Co., a partnership
Application May 31, 1947, Serial No. 751,542
2 Claims. (Cl. 121—41)



1. In apparatus including a member movable over a substantial distance between limiting positions and adapted to be positioned in accordance with the value of a controlling pressure, motive means adapted to receive pneumatic pressure and serving to apply force to said member to move the same, valve means of the supply and waste type including a valve member movable over a relatively short distance between limiting positions, said valve means having a connection to a source of air pressure and connected to supply air to said motive means in accordance with the positioning of said valve member, a pair of opposed fluid pressure operated devices connected to operate the said valve member, one of said devices being connected to a source of controlling pressure, a fluid displacement operator having a mechanical connection to said first named movable member, a closed chamber, a predetermined quantity of trapped gas within said chamber, and a closed fluid pressure connection containing a predetermined quantity of trapped liquid and forming a pressure transmitting connection capable of applying fluid pressure from

said operator to said device and to said chamber, thereby serving to move said device responsive to gas pressure changes effected within said chamber by volume changes within said operator, said trapped gas forming an elastic medium for causing changes in the pressure applied to the liquid responsive to changes in the volume of liquid in said chamber, communication between said closed fluid pressure connection and said chamber serving to vary the volume of liquid in said chamber in response to volume changes within said operator.

2,627,250
PISTON TYPE FLUID METER
Walter H. Marsh, Crafton, Pa., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 6, 1947, Serial No. 732,763
1 Claim. (Cl. 121—121)



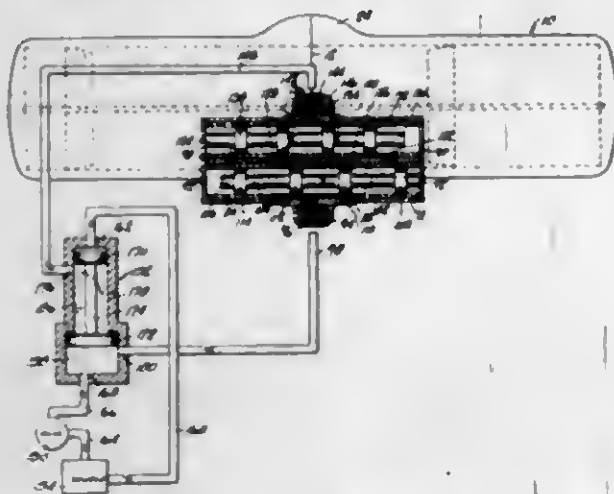
In a positive displacement fluid meter, casing structure, a central passageway formed through the lower portion of said casing structure, a plurality of pairs of coaxially aligned cylinders formed in said lower portion of the casing structure radiating from said central passageway and circumferentially spaced about the axis thereof, a piston assembly comprising a pair of opposed pistons rigidly connected for conjoint movement and mounted for reciprocation in each of said cylinder pairs, a stop member fixed to the inner face of each of said pistons, a crank shaft journaled for rotation in said casing structure substantially coaxial with said central passageway, means interconnecting said pistons with said crank shaft to impart rotary motion to the latter from reciprocating movement of the former, a fluid inlet chamber formed in the upper portion of said casing structure, a fluid inlet port opening into said inlet chamber, a wall separating said inlet chamber from said lower portion of the casing structure having thereon means defining a planar surface within said inlet chamber, an individual passage formed through said wall planar surface and said casing structure lower portion to the outer end of each of said cylinders, an aperture formed in the lowest portion of said casing structure in substantially coaxial alignment with said central passageway, a fitting formed with a central opening received in said aperture to provide a coaxial fluid outlet port in the bottom of said central passageway, said fitting having an upwardly projecting portion extending into said central passageway between said cylinder pairs and defining a stop for said pistons sequentially engaged by said stop members on said pistons to limit inward movement

of said pistons, a central opening formed through said wall planar surface and opening into said central passageway in coaxial alignment with said outlet port, and a rotary valve member co-operatively engaging said wall planar surface and driven by said crank shaft to alternately connect said cylinder passageways to said inlet chamber and to said central passageway.

2,627,251

WINDSHIELD WIPER MOTOR

Frank Sprague and Elton F. Nichols, Michigan City, Ind., assignors to Sprague Devices, Inc., Michigan City, Ind., a corporation of Indiana
Application October 17, 1949, Serial No. 121,842
10 Claims. (Cl. 121—157)



1. A windshield wiper comprising a housing having a pair of fluid passages opening therein at opposed points and an opening at substantially midlength thereof, a pressure responsive drive unit oscillatable in said housing and including a pair of spaced pistons positioned at opposite ends of said housing and outwardly of said housing opening, means fixedly connecting said pistons, a valve casing secured to said first housing to span said opening and having a primary valve chamber parallel to said housing and a secondary valve chamber communicating with said housing passages, said valve casing having a slot establishing communication between said primary valve chamber and said housing opening, a primary valve element shiftable in said primary valve chamber and including a projection extending through said slot and adjacent to said piston connecting means, spaced abutments carried by said piston connecting means and adapted to engage said projection, a secondary pressure-responsive valve element in said secondary valve chamber, said casing having an inlet, an outlet and a plurality of spaced passages connecting said valve chambers, said valves cooperating to control the flow of fluid under pressure between said inlet and said outlet in different paths through said passages and chambers to oscillate said drive unit.

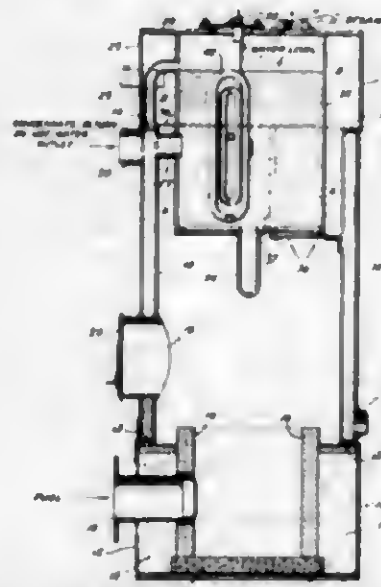
2,627,252

WATER HEATER ASSEMBLY

Henry Leroy Mohn, York, Pa., assignor to York-Shipley, Inc., York, Pa., a corporation of Delaware
Application August 18, 1949, Serial No. 110,931
4 Claims. (Cl. 122—37)

4. In a heater, a heat exchanger comprising in combination, an annular water jacket, a water connection adjacent the upper end of said jacket, a water drum supported partly within and spaced inward from the upper portion of said jacket and extending above the upper end of said jacket, a

circulation tube extending from the central portion of the bottom of said drum downward and laterally into said water jacket substantially mid-way of the height of said jacket, a casing extending upward from the outer wall of said water jacket and spaced from and surrounding the upper portion of said drum and enclosing a flue space surrounding the upper portion of said drum, a stabilizer tube extending from the upper por-

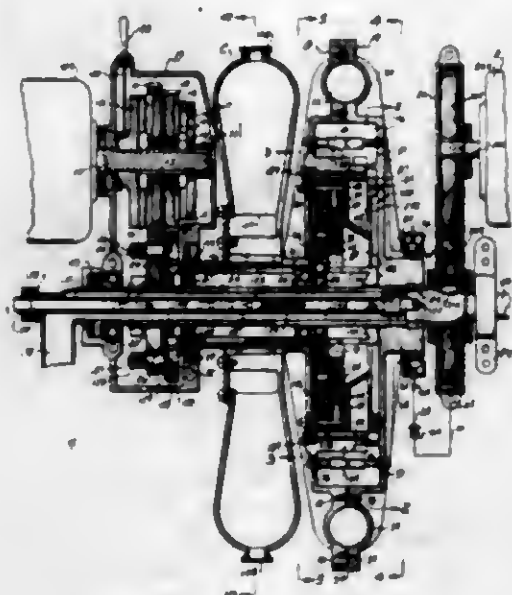


tion of said drum downward within said flue space into the upper end of said water jacket adjacent to said connection, a flue connection secured to said casing, a housing surrounding said heat exchanger, a draft inlet in said flue connection and opening into said housing, and a fuel burner including a blower in said housing, whereby said blower circulates gases emitted from said draft inlet back into said heat exchanger.

2,627,253

ROTARY GAS ENGINE

Ralph H. Lesh, Minneapolis, Minn.
Application September 16, 1949, Serial No. 116,005
10 Claims. (Cl. 123—11)



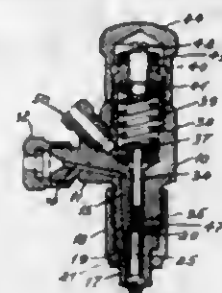
1. A rotary engine, comprising two relatively movable disks which are generally circular in outline and have a common central axis, a shaft extending through the common axis of said disks and rigidly connected to one of the disks, a first member carried on the inner surface of one of said disks, a second member carried on the inner surface of the other of said disks and cooperating with the first named member to form opposite

ends of an explosion chamber between said disks, and sealing means extending between adjacent portions of said disks for slidably sealing the periphery of one of said disks to the other disk in such a manner as to enclose the sides of the explosion chamber and permit relative movement between said members.

2,627,254

FUEL INJECTION NOZZLE

Kalman J. De Juhasz, State College, Pa., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 12, 1947, Serial No. 754,099
1 Claim. (Cl. 123—32)



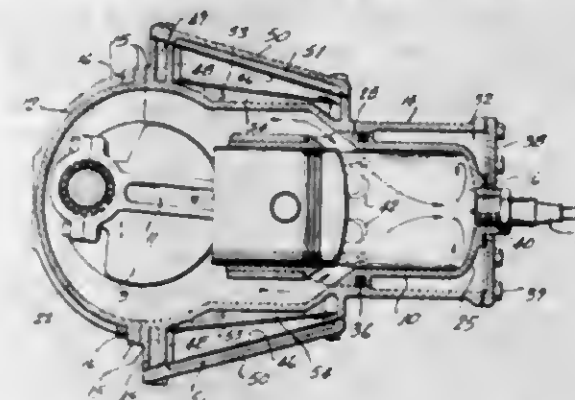
In an internal combustion engine, the combination with a cylinder, of a fuel injection nozzle mounted through said cylinder wall with the tip thereof adjacent the periphery of the cylinder combustion space, said nozzle provided with a tip assembly having a body portion with a fuel supply passage and a tip portion, said parts enclosing a fuel pressure chamber in open communication with said fuel supply passage, a valve seat formed at the inner side of said fuel pressure chamber, a spring loaded outwardly opening needle valve normally in engagement with said valve seat, means for supplying fuel under injection pressure to said fuel supply passage and pressure chamber during the fuel injection period of each cycle and for then releasing said pressure to terminate injection, said spring loading being such that the injection pressure of fuel in said pressure chamber during each fuel injection period is sufficient to overcome the spring loading to open said needle valve throughout the entire load range of said engine, said tip portion having a bulbous extension beyond said valve seat and valve containing a fuel passage and a main injection orifice extending through the wall of said bulbous extension at one side thereof to communicate with said last mentioned fuel passage, said tip portion also having an open hole pilot injection orifice extending through the wall of said tip portion outwardly of said bulbous extension and valve seat to communicate directly with said pressure chamber, said pilot injection orifice being located on the same side of said tip member as said main orifice and so that both orifices lie substantially in the same plane of a cross-section taken through the tip member along the longitudinal axis thereof, said pilot orifice having a relatively small diameter, a relatively large length to diameter ratio, and a relatively large angular inclination to the longitudinal axis of the nozzle tip and needle valve adapted to provide a thin pencil-like pilot jet directed across a small chord of the combustion space adjacent the periphery thereof, and said main orifice having a relatively large diameter, a relatively small length to diameter ratio, and a relatively small angular inclination to the longitudinal axis of the nozzle tip and needle valve adapted to provide a flaring main jet alongside of the pilot jet which substantially encompasses the balance of the space

across a radius of the combustion space between the pilot jet and the center of the combustion space, and an inwardly opening delivery check valve connected to said fuel supply passage, said delivery check valve having a cuff of sufficient volume to compensate for fuel backflow from both said needle valve closing space and said open hole orifice at the end of each injection period to prevent dribbling of fuel from said nozzle tip.

2,627,255

TWO-CYCLE ENGINE AND METHOD OF OPERATING THE SAME

Elmer C. Klekhaefer, Cedarburg, Wis.
Application January 7, 1950, Serial No. 137,450
8 Claims. (Cl. 123—41.78)

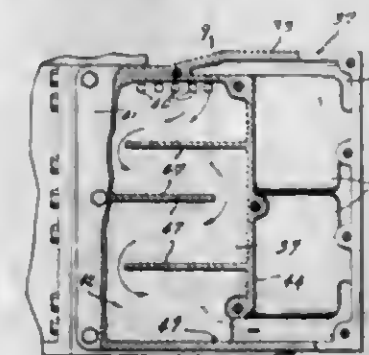


6. In a two-cycle internal-combustion engine having a crankshaft and a number of pistons connected to said crankshaft, a cylinder member carrying each of said pistons, a block having cylindrical bores supporting said cylinder members in line with their axes parallel and defining at least in part corresponding crankcase induction chambers enclosing said crankshaft, passages defined by said block communicating at one end with opposite sides of said chambers and respectively extending oppositely and alongside each cylinder, an exhaust chamber defined at least in part by said block and embracing the said cylinders and said passages, intake ports opening from the opposite end of the respective passages in convergent directions into the upper interior of said cylinder and against the inner wall thereof immediately above said ports, and exhaust ports in said cylinder opening therefrom downwardly thereof into said chamber in divergent directions.

2,627,256

CYLINDER BLOCK FOR INTERNAL-COMBUSTION ENGINE COOLING

Elmer C. Klekhaefer, Cedarburg, Wis.
Application November 30, 1949, Serial No. 130,289
8 Claims. (Cl. 123—41.79)

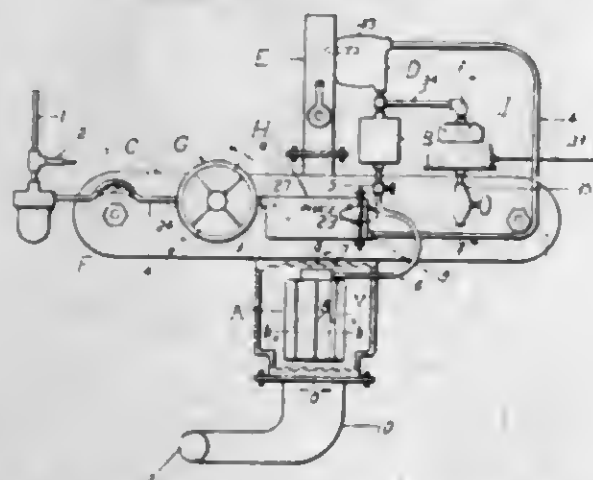


3. In a two-cycle engine of the class described including a crankcase member, an integrally formed cylinder block having flanged skirt por-

tions adapted to be joined with said member to comprise respectively opposite half sections of each crank chamber and a number of cylinders opening into corresponding chambers, a transfer passage extending alongside each cylinder from the corresponding crank chamber and opening through transfer ports into the cylinder, cavities formed in one side of said block alongside said cylinder and crank chambers, said cylinders having exhaust openings into one of said cavities, at least one other of said cavities being adapted to receive coolant and disposed between said exhaust cavity and said crank chambers, and a single flat closure member secured to said side of the block and closing all of said cavities.

2,627,257

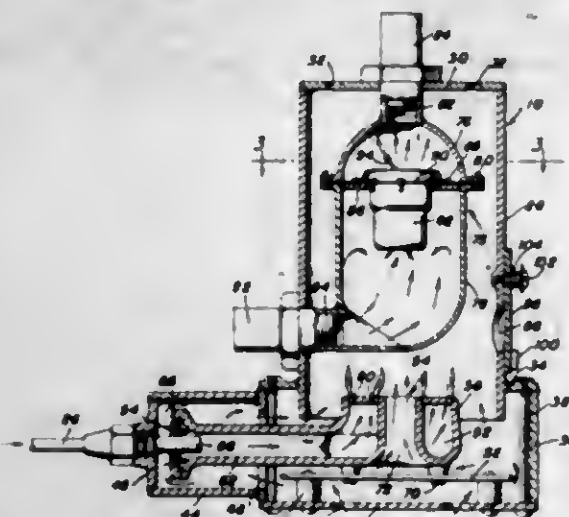
ENERGIZER FOR PETROLEUM FUELS
Kenneth Cuiler Alward, Moweaqua, Ill.
Application May 8, 1942, Serial No. 442,278
4 Claims. (Cl. 123-133)



1. In an internal combustion engine having an exhaust manifold and a carburetor supplying liquid and vaporized fuel to the engine, the combination of a vaporizer comprising a preheater movably mounted on the exhaust manifold for supplying heated fuel to the carburetor, means for moving said preheater away from said manifold to vary the heating, a retort heated by the manifold and arranged to be supplied with liquid fuel from the carburetor and to feed vaporized fuel to the carburetor.

2,627,258

ENGINE BLOCK HEATER
Milton J. Mariska, Grand Rapids, Minn.
Application May 4, 1951, Serial No. 224,581
6 Claims. (Cl. 123-142.5)



1. A heater for internal combustion engines comprising a casing having a combustion cham-

ber therein, a gaseous fuel burner in the lower part of said chamber, a water heater in the upper part of said chamber, conduit means for connecting said water heater to the cooling jacket of an internal combustion engine for heating the coolant thereof, a thermostatically controlled valve in said water heater.

2,627,259
VALVE

John G. Wood, Birmingham, and Andrew V. Jackson, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

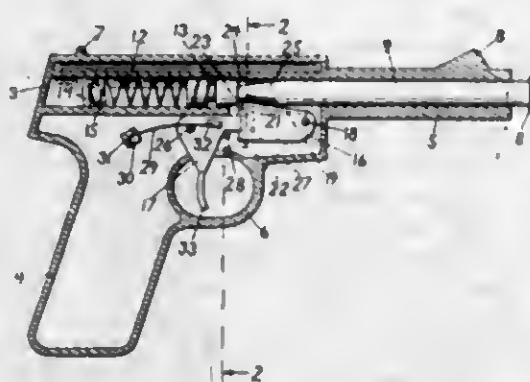
Original application June 24, 1942, Serial No. 448,236. Divided and this application August 30, 1947, Serial No. 771,416
8 Claims. (Cl. 123-188)



1. An internal combustion engine poppet valve consisting of a thin shell of copper and a coating of chromium thereon.

2,627,260

MAGNETIC DART-PROJECTING TOY
Harry Zimmerman, New York, N. Y.
Application April 20, 1950, Serial No. 156,991
2 Claims. (Cl. 124-27)

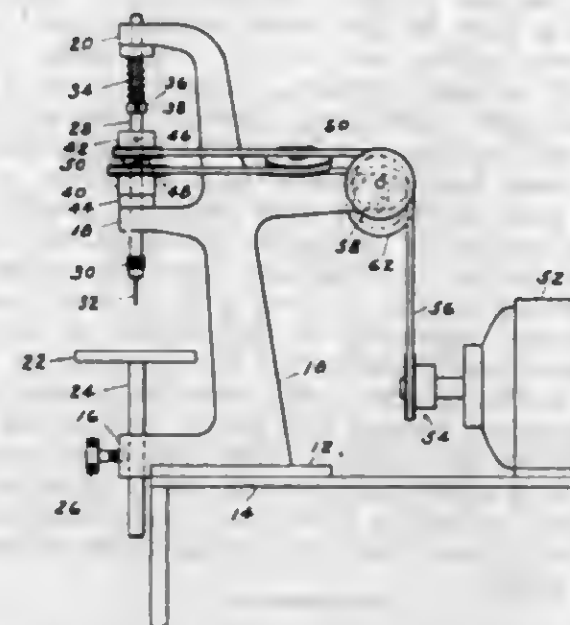


1. A toy for projecting a dart having a magnetized head against a target of magnetically susceptible material; said toy comprising a body having a channel formed therein and opening at one end, an elongated projector axially guided in said channel and dimensioned to project at one end from said open end of the channel in all positions of the projector, at least said one end of the projector being formed of magnetically susceptible material for adherence of the magnetized head of the dart thereto, resilient means for yieldably urging said projector to an extended position and for resisting further extension of the projector from said channel, and means for releasably retaining said projector in a retracted position substantially enclosed within said channel against the force of said resilient means.

2,627,261

LAPIDARY DRILL

Eber L. Cox, Akron, and Norman H. Nye,
Cuyahoga Falls, Ohio
Application February 16, 1952, Serial No. 271,888
1 Claim. (Cl. 125-30)



A drill for stones and the like including a frame, a shaft rotatably journaled in the frame, a chuck on the shaft, a drill in the chuck, a bed adjustably carried by the frame for movement to or from the drill, adjustable pressure resilient means for holding the shaft towards the bed, a pair of differential diameter pulleys on the shaft, the pulley nearest the drill being free on the shaft but being held by an arm of the frame against movement toward the bed, the other pulley being fixed to the shaft, cam means carried between the pulleys and by at least one of the pulleys for moving the pulleys apart against the action of the resilient means as one pulley overtakes the other and for raising the drill out of engagement with a work piece mounted on the bed and for then dropping the drill back into engagement with the work piece, a motor, an idler pulley on the frame, and an endless belt running from the motor around one pulley on the shaft, around the idler pulley, around the second pulley on the shaft and back to the motor.

2,627,262

CUTTER HOLDER FOR STONE DRESSERS AND THE LIKE

Paul Weynand, San Antonio, Tex.
Original application April 22, 1947, Serial No. 743,079, now Patent No. 2,471,991, dated May 31, 1949. Divided and this application June 9, 1948, Serial No. 31,904
2 Claims. (Cl. 125-39)



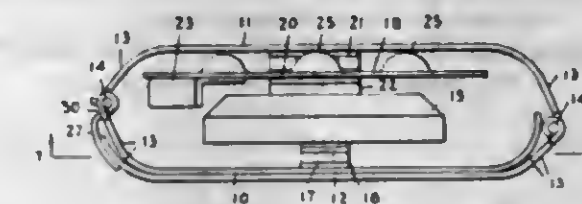
1. In a stone dresser, a cutter device holding and locking means for a cutter device having a

screw-threaded shank portion provided with a cutter, said means including an elongated dressing bar portion provided with a transversely-extending opening receiving a part of said shank portion and being of a circumference substantially greater than the circumference of said shank portion; an interiorly screw-threaded split sleeve with its screw threads in screw threaded engagement with a part of the screw threads of said shank portion and extending about the part of said shank portion within said opening, said dressing bar portion also having a second opening with its longitudinal axis substantially normal to the longitudinal axis of the first-mentioned opening and with the peripheries of the openings merging into each other at substantially the axial center of said dressing bar; a longitudinally slidable shank within said second opening with the central portion of the periphery of said shank having a cam surface extending into the first mentioned opening and constructed and arranged to compress said split sleeve when bearing against a part of the outer periphery of said split sleeve; means to selectively move said shank to cause said cam surface to move into and out of camming engagement with said split sleeve; and a set screw carried by said dressing bar with the free end of the shank of said set screw normally pressed against the outer periphery of said split sleeve at a location substantially 180° from the contact of said cam surface and outer periphery of said split sleeve, whereby as said set screw presses said sleeve toward said cam surface, said cam surface forces said sleeve toward the free end of said set screw.

2,627,263

FOLDABLE RATION HEATER

George L. Anderson, Alexandria, Va., assignor to the United States of America as represented by the Secretary of the Army
Application April 14, 1952, Serial No. 282,256
6 Claims. (Cl. 126-38)
(Granted under Title 35, U. S. Code (1952), sec. 266)

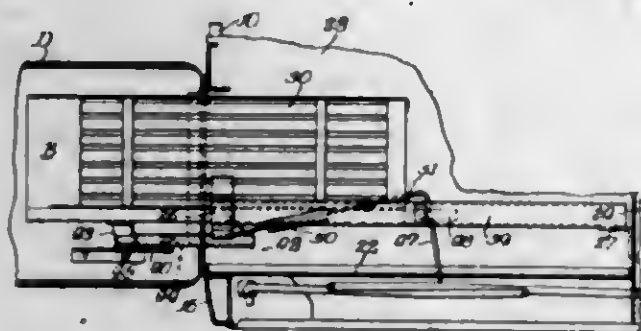


1. A collapsible heater comprising three hingedly connected side walls adapted to be positioned to form an upstanding generally triangular housing, the side walls having relatively short lateral extensions at their ends, a fuel pan hingedly secured to one side wall and adapted to extend substantially horizontally while enclosed by the three side walls and swingable upwardly to lie next to the side wall to which it is secured, and a support plate hingedly secured to another of said side walls above said fuel pan and adapted to extend substantially horizontally above the fuel pan while enclosed by the side walls and swingable upwardly to lie next to the side wall to which it is secured, the hinged side walls being shiftable to substantially parallel positions wherein they are spaced apart by said lateral extensions for forming a narrow enclosure for the fuel pan and support plate when the latter are lying next to the side walls to which they are secured.

2,627,264

DOOR AND DRAWER ASSEMBLY FOR COOKING RANGES

Willis N. Nelson and Linden C. Griffin, Wisconsin Rapids, Wis., assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
Application November 3, 1950, Serial No. 193,942
8 Claims. (Cl. 126-41)

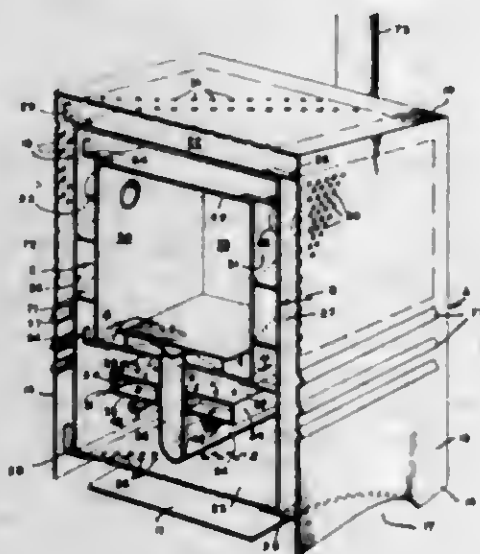


1. In a cooking range of the type wherein a drawer is mounted within an open-front broiler compartment to slide inwardly and outwardly thereof and a closure door having a hinged mounting upon a vertical axis is provided for the open front of the compartment, the improvement in a motion-transmitting connection between the door and drawer which comprises a horizontal trackway affixed to the drawer at its base and extending transversely thereacross, a horizontal elongated bracket arm affixed at one end to the inner face of the door and, when the door is closed, having its free end positioned inwardly of the broiler compartment adjacent one side thereof and the proximate end of the drawer trackway, and a roller carried by the bracket arm near its free end and in sliding engagement with the trackway and movable lengthwise thereof to transmit motion thereto and to the drawer in response to opening and closing movements of the door.

2,627,265

AIR CIRCULATING HEATER AND FURNACE

Syllus D. Tate, Centralia, Ill.
Application May 17, 1949, Serial No. 93,788
2 Claims. (Cl. 126-106)



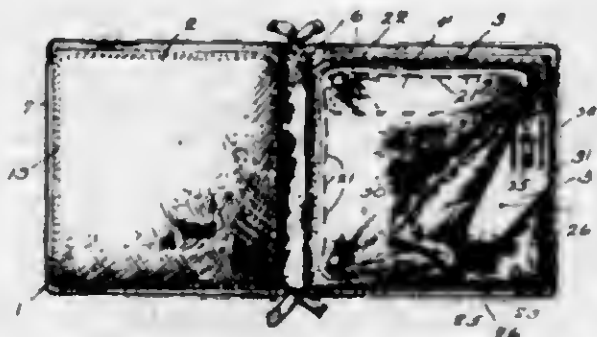
1. A gas circulating heater and furnace comprising an outer shell having air inlet openings at its lower end, a heater casing mounted within the shell in spaced relation thereto and having air inlet openings in its lower end, an air heating

oven mounted within the casing adjacent the upper end thereof and in spaced relation thereto, said oven having a bottom wall formed with an opening, a burner unit disposed within the casing and underlying the bottom of the oven and comprising an enclosed casing including spaced apart upper and lower walls the upper of said walls having burner orifices therethrough, means for supplying fuel to the space between said upper and lower walls, said burner unit walls having vertically aligned openings therethrough, a fresh air inlet duct extending through said shell and casing and having a substantial portion disposed within said heater casing and adjacent to said burner unit, said duct also having a portion extending upwardly through the openings in the walls of the burner unit and communicating with the opening in the bottom wall of the oven, an air spreader mounted on the bottom of the oven and transversely overlying the opening to cause the air to flow transversely over the bottom of the oven, conduit means conveying heated air currents from the oven to the space between the casing and shell, and means for conducting the heated air currents from the space between the casing and shell and delivering them outwardly of said shell.

2,627,266

WARMER FOR CASUALTY EVACUATION BAGS

Donald M. Stadd, New York, N. Y., and Raymond Paul Schreiber, Washington, D. C.
Application November 15, 1949, Serial No. 127,384
2 Claims. (Cl. 126-208)



2. A shield or envelope for a catalytic heater, comprising porous hinged connected sections, each section comprising one or more layers of fiberglass insulation disposed between sheets of woven material, and one or more sheets of metal foil disposed in one of said sections and co-extensive with the area thereof.

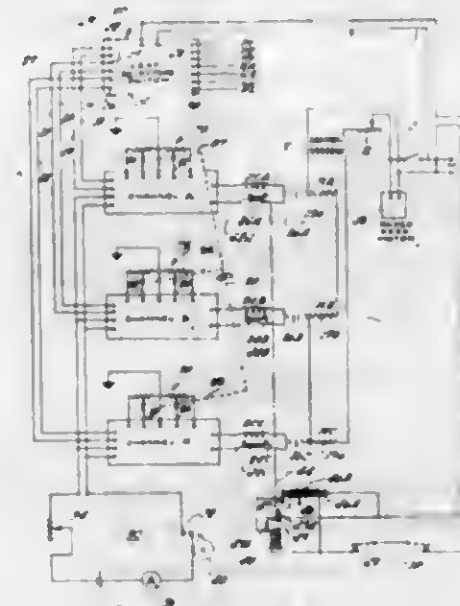
2,627,267

MULTIPLE-LEAD ELECTROCARDIOGRAPHS

Nathan Marchand, New York, N. Y., assignor, by mesne assignments, to Technicon Cardiograph Corporation, New York, N. Y.
Application July 22, 1947, Serial No. 782,633
27 Claims. (Cl. 128-2.06)

3. For use in an electro-cardiograph, a plurality of channels, each including electronic amplifier means for amplifying body-voltage variations, means for connecting a plurality of pairs of leads for voltages from across different parts, respectively, of different parts of the subject's body, to the inputs of said amplifying means of said channels, respectively, there being at least two pairs of leads which includes a common lead connected to the same part of the subject's body

and simultaneously to a plurality of said channels, and means including a high impedance between said leads and the inputs to said amplify-

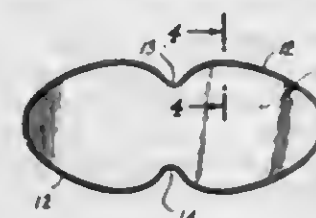


ing means of said channels for preventing interaction between the channels to which the same lead is connected.

2,627,268

ANTISNORING DEVICE

Elsa L. Leppich, Seattle, Wash.
Application March 2, 1951, Serial No. 213,641
1 Claim. (Cl. 128-136)



A device of the character described comprising a molded dam of thin, flexible waterproof sheet plastic, said dam being imperforate and substantially of oval form to adapt it to be held between the lips and alveolar ridges, and formed centrally at top and lower edges with recesses that substantially reduce the width of the dam across the medial portion; said recesses having their edges gradually curved outwardly and merged with the peripheral edges of the dam and giving it its greatest transverse widths at distances about one-third the length of the dam from each of its opposite ends, and said dam being bounded by a rounded peripheral bead integral therewith and having sufficient rigidity in itself to retain its oval form while in use and to prevent any diaphragmatic action thereof under the influence of breathing.

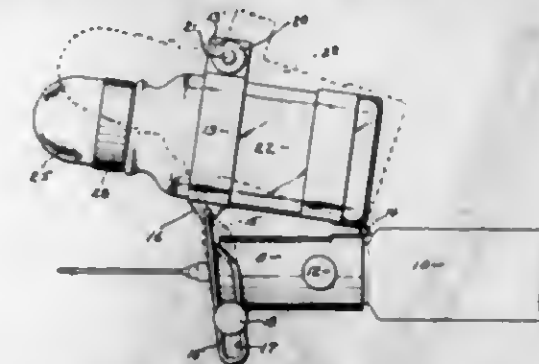
2,627,269

TOOL FOR MAKING HYPODERMIC INJECTIONS

Lee R. McGregor, Ames, Iowa
Application December 4, 1950, Serial No. 198,949
5 Claims. (Cl. 128-215)

1. In an antiseptic dispenser, a bracket collar adapted to be secured to a hypodermic syringe for making hypodermic injections, a container

supporting basket secured to said bracket collar, an open end container for antiseptic secured in



said container supporting basket, and a swab means secured at the open end of said container.

2,627,270

SELF-PROPELLED AUTOMATIC SYRINGE
George Bronislaw Glass, New York, N. Y., assignor to Antonina S. Glass, New York, N. Y.
Application February 9, 1946, Serial No. 646,611
9 Claims. (Cl. 128-218)



1. In a motor driven medical injection apparatus for the controlled automatic injection of fluid medicaments, comprising a stationary support, a motor secured to said support, and a plunger mounted on said support and operatively associated with the drive shaft of said motor, a receptacle rigidly secured on a stationary part of said apparatus, a disposable cartridge in said receptacle for containing injectable fluid medicament in operative alignment with said plunger, whereby the contents of said cartridge are automatically discharged on operation of said motor, said receptacle comprising a hollow chamber, a cover member movable to disclose an opening for loading said cartridge in said receptacle, a front wall portion for preventing forward movement of said cartridge, said front wall portion having an outlet port for discharge therethrough of said injectable medicament, and an opening in the rear portion for reception therein of said plunger.

2,627,271

VAGINAL SYRINGE

Carl D. Purser, Daytona Beach, Fla.
Application September 21, 1951, Serial No. 247,667
4 Claims. (Cl. 128-224)

1. In a surgical spray device, a substantially rigid head member formed with a cavity shaped to receive the mouth of a bottle, an annular bulb of elastic deformable material secured axially in said cavity and arranged to enter the mouth of the bottle, a plunger slidably mounted in said head member coaxially with said bulb, one end of said plunger extending outside said head member, said bulb being formed at its tip with an aperture, the other end of said plunger extending through said aperture, a valve element secured to said other end of the plunger and arranged for sealing cooperation with the bulb tip, means biasing said valve element against said tip and exerting compressive force on the bulb, whereby the bulb is expanded against the inner surface

of the bottle mouth, and an elongated spray tip connected to said head member, said head mem-



ber being formed with a passage connecting the interior of the bulb to said spray tip.

2,627,272

CATALOG BINDER

Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts

Application March 30, 1948, Serial No. 18,030
3 Claims. (Cl. 129-1)



1. In a binder, supporting means, a carrier slidably guided by said supporting means and having a slot, a pin fixed to said supporting means and projecting through said slot, a member having an opening for removably receiving said pin to prevent shifting of said supporting means relative to said member, and disengageable locking means on said carrier and member and effective upon slidable displacement of said carrier relative to said supporting means when said pin is within said opening to preclude shifting of said carrier longitudinally of said member.

2,627,273

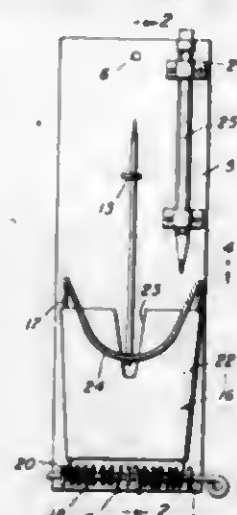
PAPER OR BILL FILE

Harry F. Beckard, Unadilla, Nebr.
Application July 8, 1948, Serial No. 37,694

2 Claims. (Cl. 129-5)

1. A paper file comprising a rigid back having a paper filing pin projecting forwardly thereof, a spring actuated clamping member pivoted to the back adjacent the filing pin and including a substantially U-shaped resilient wire member having leg portions positioned at opposite sides of the filing pin to engage papers on the pin, a spring coil at each end of the member having their axes at right angles to the leg portions of the wire member and exerting spring pressure on the leg portions to clamp the papers against the back, a forwardly projecting U-shaped wire handle united with the leg portions of the wire member and positioned in straddling relation

with the filing pin, and a removable hinge pin carried by the back for the coils to release the

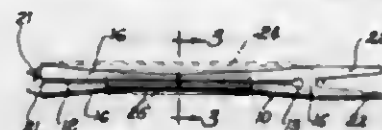


2,627,274

HAIR-WAVING DEVICE

Joseph Schneiderman, Chicago, Ill.
Application March 19, 1951, Serial No. 216,410

1 Claim. (Cl. 132-42)



A one-piece hair waving rod of resilient material comprising an elongated body portion extending from one end of said rod throughout the major length thereof, said elongated body portion having substantially circular cross sections throughout its length and the ends thereof being of substantially equal diameters, said elongated body portion being further provided with a generally concave surface extending intermediate the ends thereof, the central portion of which surface is provided with a plurality of longitudinally extending ribs positioned in spaced relation, a pair of fingers positioned in spaced relation located at the other end of said rod, a neck portion positioned intermediate said body portion and said fingers which is formed with a substantially circular cross section, said elongated body portion being divided into two sections by a centrally positioned longitudinal slot extending from said one end of said rod to said neck portion whereby pressure applied to said fingers causing them to move toward each other will result in flexure of said neck portion and separation of said body portion sections.

2,627,275

HAIR CURLER

Katherine Kiviluoma, Elmhurst, Ill.
Application September 2, 1950, Serial No. 183,039

2 Claims. (Cl. 132-43)



1. A hair curler comprising a generally cross shaped member made from a pair of layers of

rubber material, one of said layers being made of a sheet of rubber, another of said layers being made of sponge rubber and bonded to said rubber sheet, a formable frame member intermediate said sheet and said sponge rubber, said cross shaped member comprising a central section and a pair of oppositely directed arms.

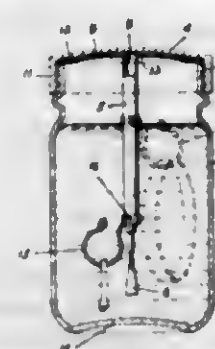
2,627,276

JEWELRY CLEANER

Cecil Edward Eggleton, Minneapolis, Minn., assignor to Gilt-O-Ring, Inc., Minneapolis, Minn., a corporation of Minnesota

Application March 22, 1948, Serial No. 16,320

1 Claim. (Cl. 134-143)



A jewelry cleaner comprising a container having a cleaning fluid therein, a cover for the container comprising top and cylindrical wall portions, a disk fitted into the cover against the top wall portion thereof, and having one end of an elongated element or rod secured thereto, a second disk of fibrous moisture-proof material fitted into the cover and overlying said first mentioned disk, the diameter of said second disk being at least equal to or slightly larger than the inside diameter of the cylindrical wall portion of the cover whereby its marginal edge will frictionally engage said cylindrical wall portion of the cover to thereby inseparably secure said disks in the cover, a stem having one end removably secured to said rod element whereby the stem may be detached from the cover, and a plurality of hook elements mounted on the stem for supporting articles of jewelry within the container, and whereby such articles may be submerged in the cleaning fluid when the cover is applied to the container.

2,627,277

MULTIPLE VALVE CONTROL OUTLET HYDRANT

George H. Martin, Bogue, Kans.
Application April 28, 1950, Serial No. 158,756

5 Claims. (Cl. 137-110)

1. A fire hydrant comprising an upright hollow standard having an inlet in the lower portion thereof, a valve controlling said inlet, a rotary stem operatively connected to the valve and extending axially of the standard, a transverse partition in said standard and positioned above the inlet, said partition having an opening formed therein, a control valve for said opening, an outlet projecting from said standard above the partition and means for normally retaining the control valve in an open position, whereby the water supply passes from the inlet through the opening in the partition to the outlet, a second outlet projecting from the standard between the partition and the inlet, a control valve for said outlet, a third outlet projecting from the standard above the partition, a valve for said outlet, connecting means between the valve for the third

outlet and the valve for the opening in the partition, whereby when a pumping connection is established between the second and third outlets, the valve for the opening in the partition will be

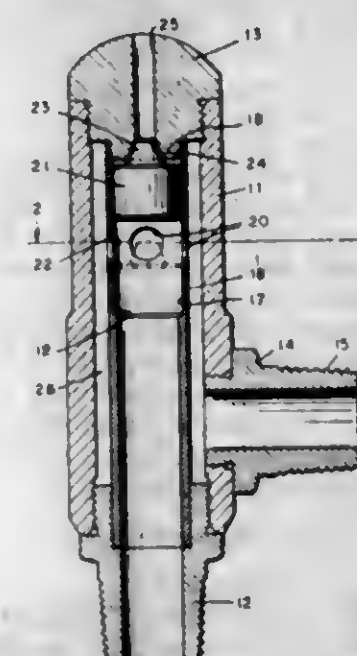


2,627,278

ANTISIPHON VALVE

Shirley C. Somers, Los Angeles, Calif.
Application June 28, 1951, Serial No. 233,985

2 Claims. (Cl. 137-218)



1. An anti-siphon valve comprising a casing having an elongated cavity, with an inlet port at one end, an air vent opening at the opposite end, and an outlet port in the side of said casing intermediate the ends thereof; an apertured inlet plug attached to said casing at the inlet port, said plug having a concentric recess in the aperture at the inner end; an apertured air vent plug attached to said casing at the air vent opening thereof, said plug having a conical seat for said piston at its inner end; a valve tube mounted between said inlet and said air vent and forming an annular cavity in said casing, said valve tube having a conical valve seat formed in the wall thereof at a position intermediate its ends; and a slidable piston adapted to slide in said valve tube between said conical valve seat in said tube

and said air vent, said slidable piston being provided at one end with a taper adapted to fit said conical valve seat in said tube when the valve is closed, and said piston at the other end being provided with seating means adapted to fit said conical seat in said air vent plug; said valve tube being provided with ports leading into said annular cavity in said casing, said ports being positioned so that they are not obstructed when said piston is in either end of its movement in said tube.

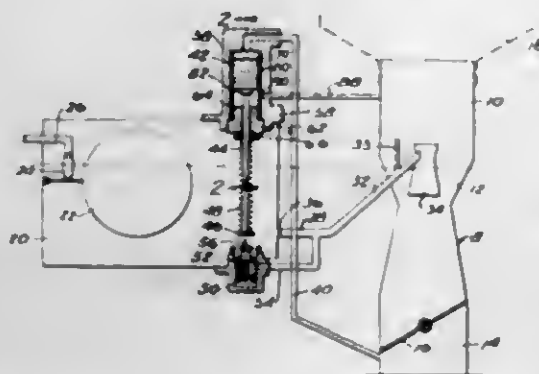
2,627,279

CARBURETOR ECONOMIZER MECHANISM

Robert H. Hieger, Detroit, Mich.

Application June 21, 1949, Serial No. 100,339

6 Claims. (Cl. 137-480)



1. A unit for actuating economizer valve of a carburetor having an air passage with a throttle provided therein and a float chamber and including a cylindrical bore at the top of said chamber, said bore opening into said chamber with its lower end, the upper end of said bore constantly communicating with said air passage on the downstream side of the throttle; said unit comprising a sleeve adapted to fit into said bore and to form a liner therein, a piston slidably fitted in said sleeve and having a through axial bore of different diameters to form a shoulder therein adapted to receive downward pressure, a piston rod having its upper end passing through said bore and engaging said shoulder for moving the piston downwardly and its lower end adapted to contact the economizer valve, and a plug surrounding the piston rod and secured to the lower end of said sleeve and adapted to be secured at the lower end of the sleeve-receiving bore for retaining the sleeve therein, said sleeve retaining in place, in the assembled condition of the unit, the piston, the plug and the piston rod.

2,627,280

FLOW CONTROL SYSTEM

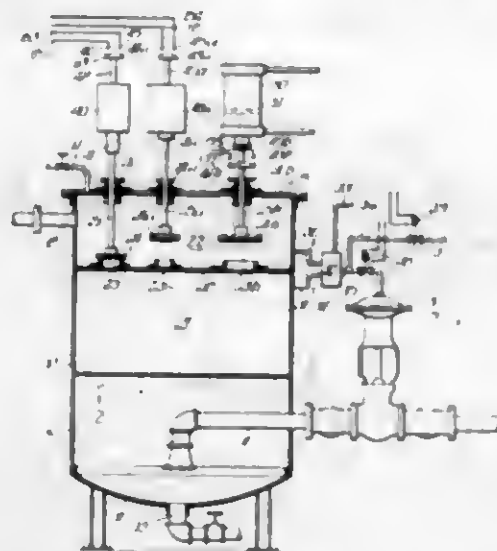
Samuel L. Adelson, Chicago, Ill., assignor to In-Alco Incorporated, Chicago, Ill., a corporation of Delaware

Application April 21, 1949, Serial No. 88,878

13 Claims. (Cl. 137-501)

6. A fluid flow control system comprising a tank having an inlet and an outlet functionally remote from said inlet, a partition interposed in the line of flow from said inlet to said outlet, a plurality of orifices in said partition, a pressure differential responsive device, said pressure differential responsive device being connected to said tank upstream of said orifices and downstream thereof, an inlet valve associated with said inlet and adapted to be positioned by said pressure differential responsive device, biasing means associated with said pressure differential responsive device and adapted to balance a predetermined pressure differential acting on said device, a seal-

ing plate for each of said orifices, rods affixed to said plates and extending to outside said tank, and means for selectively moving one or more of said rods to hold their associated sealing plates in sealing relation with the orifices or to move them



into, and hold them in, non-sealing position, electrical means controlling the operation of said last mentioned means, and a programmer operating said electrical means in accordance with a predetermined flow program.

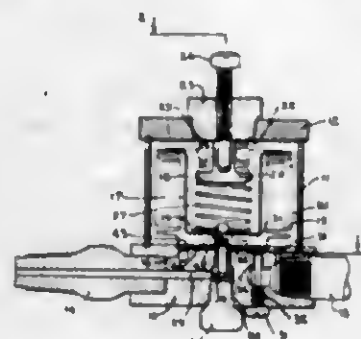
2,627,281

FLOW CONTROLLER

Coleman B. Moore, Carroll Park, Pa., assignor to Moore Products Co., Philadelphia, Pa., a co-partnership

Application August 18, 1945, Serial No. 611,321

4 Claims. (Cl. 137-501)



4. In a flow controller, a body having a fluid supply passage for supplying fluid and a fluid delivery passage, valve means interposed between said fluid passages for controlling fluid flow through said passages, a metering orifice between said supply passage and said valve means, fluid pressure responsive means for controlling said valve means, said fluid pressure responsive means having a plurality of pressure responsive faces, one of said faces including part of said valve means and being responsive to the differential between the supply and delivery passages, and the others of said faces being responsive to the differential across said metering orifice.

2,627,282

LEVER HOSE SAND VALVE

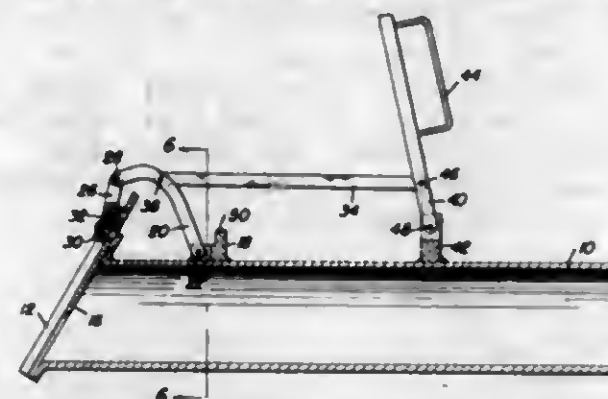
John F. Comer, Mechanicville, N. Y.

Application May 1, 1950, Serial No. 159,342

4 Claims. (Cl. 137-701)

4. A sand valve assembly comprising a tube having a valve covering one end and means secured to the tube supporting the valve for guided movement, a valve operator comprising a lever

pivotally carried at one end by said tube, a link pivotally connected to said valve and to the opposite end of said lever, a handle pivotally connected at one end to said tube, a pitman pivoted to said lever intermediate the ends of the lever and to said handle, the pivotal connections of



said handle and of said pitman to said handle being in an over center position with respect to one another when the valve is in closed position to lock the valve in such position, and a stop secured to said tube beneath said handle to limit the pivotal movement of the handle toward the tube.

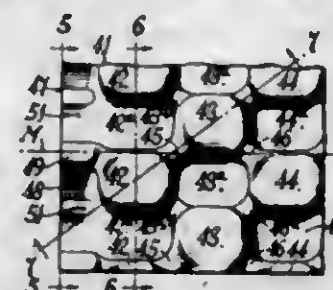
2,627,283

HEAT EXCHANGE CONDUIT FOR OIL COOLERS

Stanislaus Przyborowski, Kenmore, N. Y., assignor to Fedders-Quigan Corporation, Buffalo, N. Y., a corporation of New York

Application November 27, 1950, Serial No. 197,680

4 Claims. (Cl. 138-38)



1. A heat transfer conduit comprising flat spaced wall members forming a confined passageway and a distributing plate interposed between said wall members, said distributing plate being formed with spaced rows of spaced primary bumps which are alternately offset to either side of a median line through said rows, thereby to form tortuous channels between said rows, the height of said bumps being such as to engage the inner surfaces of said wall members, the bumps of each row being interconnected by and merging into each other through secondary bumps of less height than the primary bumps and which are slightly spaced from the inner surfaces of said wall members, thereby providing gaps through which liquid flowing through said channels may distribute itself transversely from one row to another.

2,627,284

REVOKING AND RESETTING MECHANISM FOR WEFT REPLENISHING LOOMS

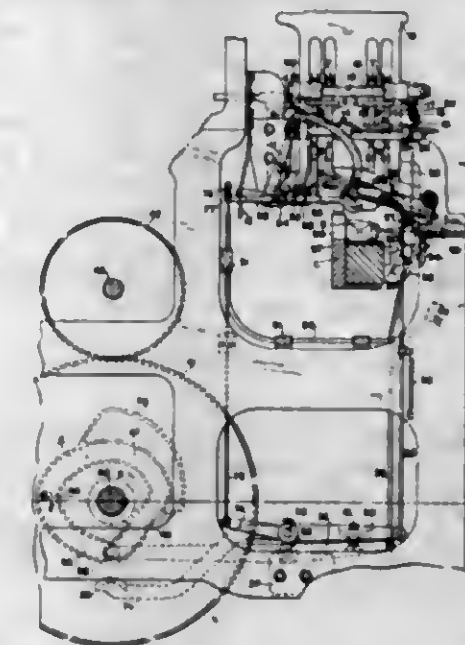
Clarence R. Kronoff, Worcester, and Alexander C. Krukoni, Auburn, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 25, 1950, Serial No. 164,171

13 Claims. (Cl. 139-231)

1. In a weft replenishing loom having a lay, a train of positively connected elements all of

which move in unison including a setting shaft, a shuttle position detector, and a transfer latch, the detector normally being in non-detecting position and the latch being normally out of the path of the lay, cam means turning in a two-pick cycle of the loom, operative connections between the cam and said train moving the latter in one direction on the first pick of said cycle to place the detector in detecting po-



sition and place the latch in the path of the lay preparatory to a weft replenishing operation, the shuttle if misplaced moving said train in the opposite direction to move the latch out of the path of the lay, and other operative connections between the cam and said train moving the latter in said opposite direction on the other pick of said cycle to reset said train and return the detector and latch to the normal positions thereof.

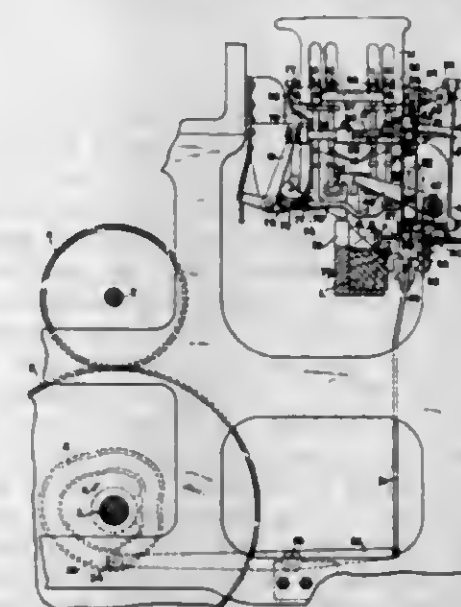
2,627,285

WEFT REPLENISHING LOOM

Alexander C. Krukoni, Auburn, and Walter H. Wakefield, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application May 25, 1950, Serial No. 164,172

14 Claims. (Cl. 139-231)



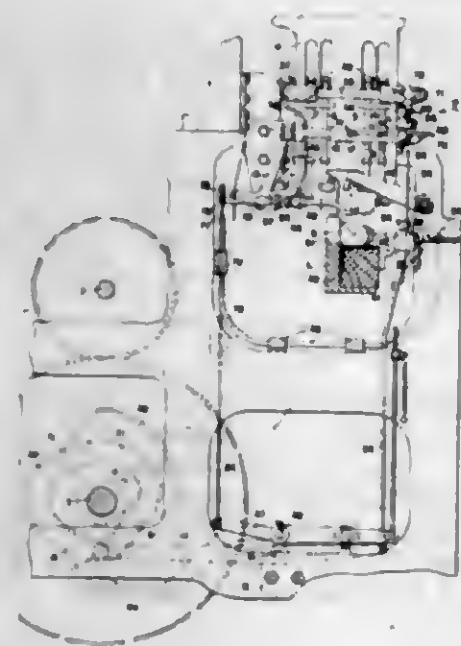
1. In a weft replenishing loom having a lay, weft replenishing mechanism including a latch normally out of the path of the lay but which is engaged with the lay for a given period during a weft replenishing operation, said replenishing mechanism incident to a replenishing operation

having first an initial setting operation on one pick of the loom and second a completed setting operation on the next pick of the loom preparatory to a replenishing operation and third a resetting operation on the third pick of the loom to return the replenishing mechanism to normal condition, a cam effecting said setting and resetting operations rotating in a two-pick cycle and having two areas the first of which at the beginning of said two-pick cycle effects the first setting operation upon indication of weft exhaustion, the second area of the cam effective during the second pick of the cycle to cause the second setting operation of the replenishing mechanism, and said first area during the first pick of the next two-pick cycle effecting the third operation of the mechanism subsequent to said period, to the end that the first setting operation and the resetting operation are both effected by the same area of said cam.

2,627,286

WEFT REPLENISHING LOOM

Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 25, 1950, Serial No. 164,173
6 Claims. (Cl. 139-231)



1. In a weft replenishing loom having a lay, a setting shaft, resilient lock means holding the shaft in normal position, a bobbin releaser having a motion incident to a weft replenishing operation of the loom, means operatively connecting the shaft and releaser during part of said motion of the releaser to give the shaft a setting movement and thereafter becoming disengaged from the shaft as the releaser nears the end of said motion, the lock thereupon returning the shaft to normal position, a thrust rod moving with the shaft, a train of positively connected mechanisms moving in unison including a shuttle position detector in non-detecting position and a transfer latch out of the path of the lay when the train is in normal position, said thrust rod effective when the shaft has said setting movement thereof to move said train in one direction to move the detector to detecting position and move said latch into the path of the lay, after which the thrust rod moves away from said train as the resilient lock returns the shaft to the normal position thereof, the detector if engaged by a misplaced shuttle moving said

train in the opposite direction and moving the latch out of the path of the lay while disengaged from said thrust rod, and means resetting said train to normal position subsequent to a normal replenishing operation.

2,627,287

PORTABLE POWER SAW GUIDE WITH AN ADJUSTABLE AND TILTABLE PLATFORM

Alvin J. McCluskey, San Antonio, Tex.
Application February 6, 1950, Serial No. 142,635
7 Claims. (Cl. 143-6)



3. A portable saw guide and support comprising a bracket adapted to be detachably secured to a base, an L-shaped support having first and second legs, said first leg of said support being vertically adjustably attached to said bracket with said second leg extending horizontally, a plate hingedly attached to said second leg for vertical pivotal movement relative thereto, an elongated flat platform adjustably pivotally attached intermediate its ends to said plate for movement about an axis perpendicular to the plane of said platform, said second leg of said support underlying said platform and constituting a stop to limit downward swinging movement of said platform, and means slidably and guidably mounting a saw on said platform for movement rectilinearly thereof, said means including a rail attached to said platform having inner and outer guide surfaces thereon, a guide arm overlying said rail, a flange on said arm slidably engaging said outer guide surface, a saw carriage attached to said guide arm engaging said inner guide surface and a guiding flange on said platform overlying said arm to retain the arm in guided engagement with the rail.

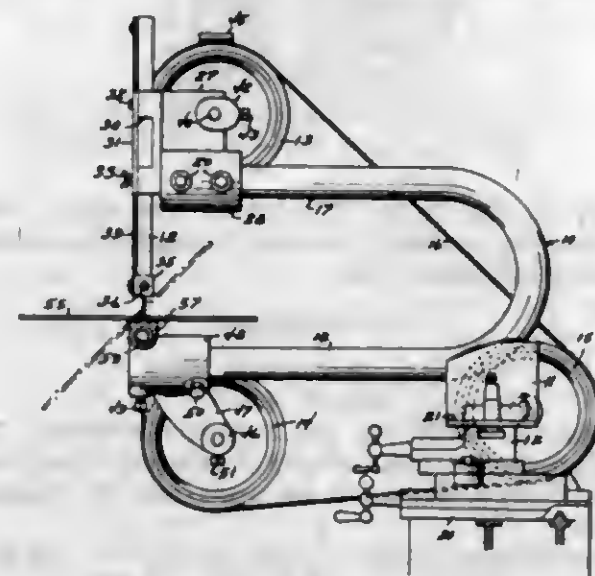
2,627,288

BAND SAW ATTACHMENT FOR MACHINE TOOLS

Alois Steiner, Hoboken, N. J.
Application November 29, 1949, Serial No. 129,950
2 Claims. (Cl. 143-17)

1. In a band saw attachment for use on machine tools, the combination which comprises a U-shaped tubular frame having spaced horizontally positioned upper and lower arms connected at one end with an arcuate base and positioned in a vertical plane, a hub slidably mounted on said lower arm, means securing said hub in position on said arm, a clip angle pivotally mounted on said hub, a saw table having a saw slot extended inwardly from one edge carried by said clip angle, said hub having a bracket extended downwardly therefrom, a saw carrying pulley journaled in the bracket extended downwardly from the hub and positioned at one side of the lower arm of the U-shaped frame, a sleeve slidably mounted on the upper arm of the U-shaped frame, means securing the sleeve in position on said arm, said sleeve having a plate extended upwardly

therefrom with a vertically disposed socket in an extended edge providing a head, a saw carrying pulley journaled in said head, positioned at one side of the U-shaped frame and in a plane extended through the saw carrying pulley on the hub of the lower arm of the frame, a tubular post adjustably mounted in the vertically disposed socket of the head, means clamping the

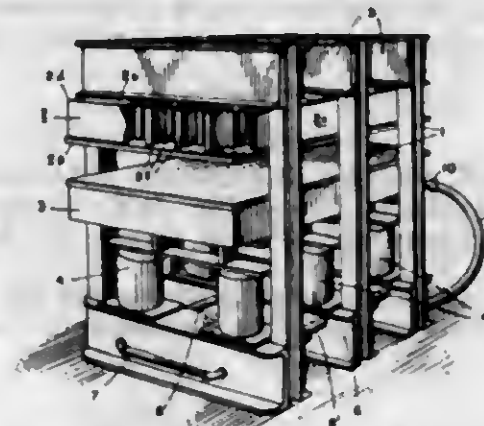


post in adjusted position, band saw guide elements carried by said post, a mounting bracket extended downwardly from the lower arm of the U-shaped frame and positioned at the lower end of the arcuate base of the frame, and a third saw carrying pulley adapted to be positioned on a rotating element of a machine on the frame of which the U-shaped frame is mounted.

2,627,289

HYDRAULIC PRESS

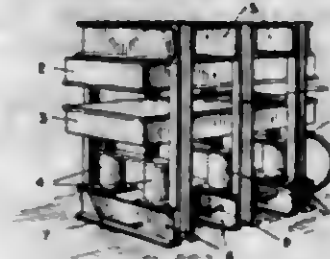
Viggo Berthelsen, Hellerup, Denmark, assignor to V. Berthelsen Engineering Works Inc., a corporation of Illinois
Application February 5, 1948, Serial No. 6,401
In Denmark February 5, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 5, 1966
3 Claims. (Cl. 144-281)



1. In a press of the character described, a pair of spaced substantially rectangular frames, a hollow platen having inlet and outlet openings for steam and being rigidly connected to said frames at one end thereof, hydraulic cylinders at the other end of each of said frames, a second platen having inlet and outlet openings for steam and being movably arranged in said frames in alignment with said fixed platen, said movable platen being shiftable in said frame by said hydraulic cylinders, a hollow rigid construction between and connected to said frames opposite said fixed platen and a steam conduit for passing steam through said hollow construction.

2,627,290

PRESS, ESPECIALLY A VENEERING PRESS
Viggo Berthelsen, Hellerup, Denmark, assignor to V. Berthelsen Engineering Works Inc., a corporation of Illinois
Application February 5, 1948, Serial No. 6,402
In Denmark October 23, 1945
1 Claim. (Cl. 144-281)

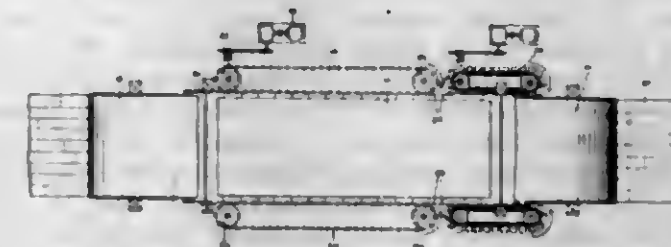


In a press of the class described, a plurality of frame constructions each comprising a pair of spaced vertical columns and an upper horizontally disposed transverse beam, the ends of which are welded to the upper ends of respective columns, said frame constructions forming aligned frame openings, a hydraulic operated press-table movably arranged within said frame openings, a stationary hollow press-table rigidly secured to said transverse beams as a stiffening element to provide rigidity perpendicular to said frame openings, a plurality of spaced longitudinal partitions within the interior of said hollow press-table, said partitions being vertical in the direction of said transverse beams and connected at their upper and lower edges with the top and bottom wall respectively of said hollow press-table.

2,627,291

PRESS FOR LAMINATED LUMBER

Daniel W. Smith, Hendersonville, N. C., and Hughes Hall, Knoxville, Tenn., assignors to the Tennessee Valley Authority, a corporation of the United States
Application May 9, 1951, Serial No. 225,438
2 Claims. (Cl. 144-281)
(Granted under Title 35, U. S. Code (1952), sec. 266)

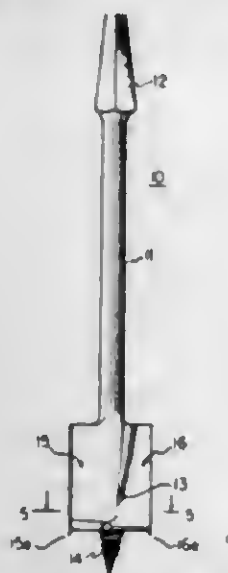


2. In a machine of the class described the combination of two endless chains of platens, at least one chain comprising pairs of platens in which one platen of each pair is spaced from the other in superimposed relationship; at least one elastic compressible member disposed between the platens of each pair to be carried by one platen and to support the other resiliently; a plurality of rotatably mounted sprockets disposed to support the chains movably, with a run of each chain in position to cooperate to form elongated jaws of a press having a central portion free to deviate from a straight course; an auxiliary lateral press disposed adjacent to the entrance to said jaws to feed material into the same under lateral pressure; means, disposed adjacent to the entrance of said jaws, for forcing said jaws toward each other and compressing said elastic members; retaining members movably disposed to engage and retain said jaws in such forced relationship without relative move-

ment between said jaws and material being processed; means, disposed adjacent to the outlet from said press, for releasing said retaining members; and means for driving said press jaws by tension.

2,627,292 AUGER BIT

Konstantin Kronwall, Winnetka, Ill., assignor to United Drill and Tool Corporation, Chicago, Ill., a corporation of Michigan
Application September 8, 1947, Serial No. 772,865
4 Claims. (Cl. 145—116)



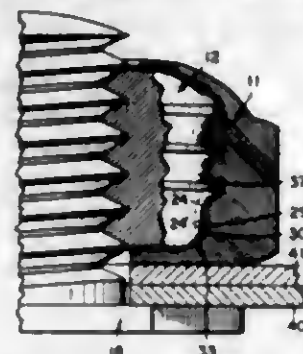
1. An integral auger bit comprising a longitudinally extending cylindrical shank terminating at the forward end thereof in two oppositely directed laterally extending substantially flat blades, said two blades being arranged between two parallel planes spaced apart a distance established by the diameter of said shank and respectively terminating at the forward ends thereof in two forwardly directed cutting heads arranged on opposite sides of the longitudinal center line of said shank, each of said blades being provided with leading and trailing surfaces lying in substantially parallel planes and terminating in the respective one of said cutting heads, the leading surface of each of said blades being pitched at a slight leading angle with respect to the center line of said shank and toward the respective one of said cutting heads and cooperating with the forward end of said shank to define a chip-guiding channel extending rearwardly from the respective one of said cutting heads, and a screw point carried by the forward end of said shank between said two cutting heads and projecting forwardly along the longitudinal center line of said shank.

2,627,293 LOCK NUT

Jeffre H. Le Boeuf, Pasadena, Calif., assignor to Jeffre H. Le Boeuf and Helen Williamson Le Boeuf, Pasadena, Calif., as joint tenants
Application February 27, 1948, Serial No. 11,420
10 Claims. (Cl. 151—19)

10. A lock nut adapted to be screw-threaded onto a screw or the like into end abutting relation to a member to be secured by the nut and screw comprising a longitudinally split substantially annular core provided with an inner thread corresponding to the thread of the screw, an annular shell housing said core and freely receiving the screw, said shell having an exterior annular surface at its inner end for abutment against the surface of the member to be secured, said core being mounted for limited axial movement

in the shell, said shell and core being provided with interengaging screw threads disposed reversely to the inner thread of the core, said interengaging screw threads being characterized by a sloping inner side.



versely to the inner thread of the core, said interengaging screw threads being characterized by a sloping inner side.

2,627,294 CAGE NUT

William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 5, 1950, Serial No. 160,335
8 Claims. (Cl. 151—41.74)



1. A fastener assembly adapted to be connected to an apertured support comprising a fastener member, a retainer member for attaching said fastener member to a support comprising a cage-like member surrounding said fastener member and having a base, side and end walls connected to said base, support-engaging members connected to the ends of said side walls and movable outwardly to engage the edges of a support aperture, said end walls normally extending angularly and outwardly from said base, wedge-shaped members connected to the ends of said end walls extending between said fastener member, said side walls and support-engaging members and movable inwardly between said side walls to force them outwardly and move said support-engaging members laterally into support-engaging position.

2,627,295
FENDER STRAIGHTENING MACHINE
Carter E. Jackson, Evansville, Ind.; Sallie Jackson administratrix of said Carter E. Jackson, deceased
Application September 13, 1948, Serial No. 49,065
2 Claims. (Cl. 153—32)



1. For use with a fender straightening machine, a tear-repairing tool comprising a turnbuckle rod and screw clamps rigidly secured on opposite ends thereof each of said clamps comprising a first flat plate rigidly attached to the turnbuckle rod, a screw threadedly mounted in the first plate, and a second plate swivelly mounted on one end of the screw and being provided on its inner face adjacent its outer end with a jaw-forming cross bar and on its other end with a pair of prongs for rocking engagement against the opposing face of the first plate.

2,627,296
APPARATUS FOR TENSION-CALENDERING FABRIC
William J. Secrest, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 8, 1949, Serial No. 97,766
2 Claims. (Cl. 154—1.75)

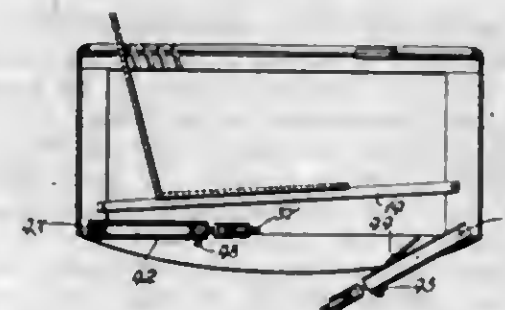


1. An apparatus for joining cords and rubber comprising in combination a calender to sheet cut the rubber, cord feeding means and means for applying predetermined uniform tension to said cords, said latter means comprising a tension roll over which said cord passes in frictional contact therewith, a drag generator, said roll being directly connected to said generator, and means for regulating the amount of energy required to drive said generator.

2,627,297
MOISTURE RESISTANT COMPOSITIONS OF RESINS AND FIBROUS FILLERS
Carl Robert Faclet, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application May 18, 1946, Serial No. 670,832
4 Claims. (Cl. 154—2.6)

1. A moisture resistant panel comprising a plurality of plies of fabric formed of fibers, said fibers being individually coated with polystyrene, said plies being impregnated with and bonded together to form said panel by means of a thermoset resin obtained by copolymerizing with a peroxide a mixture consisting essentially of (A) a polyester of a glycol and a material of a class consisting of an alpha-beta ethylenic, alpha-beta dicarboxylic acid and a mixture consisting of said acid and a dicarboxylic acid free of ethylenic unsaturation, the two acids being in the relative proportions of 1 mole of the former to 1 to 6 moles of the latter and (B) an ethylenic monomeric compound copolymerizable with the polyester, said copolymer being strongly united with the polystyrene coated fibers.

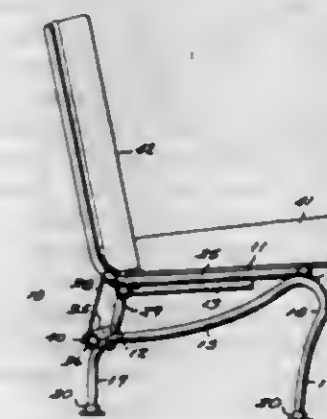
2,627,298
CONVERTIBLE NURSERY FURNITURE
Roy W. Brown, Brandon, Manitoba, Canada
Application September 19, 1947, Serial No. 774,914
1 Claim. (Cl. 155—22)



In an article of furniture of the class described, a vertically walled, horizontally rectangular and oblong enclosure wherein the longer side walls are rocker mounted, a pair of wheeling assemblies within said enclosure, means

mounting each of said wheeling assemblies for retraction within, and extension from said enclosure, said assemblies each including a substantially rectangular plate, and a pair of spaced castors secured at the lower edges of each of said plates, said mounting means enabling said wheeling assemblies to be pivotally mounted for rotation between the vertical and the horizontal adjacent the lower edges of the end walls of said enclosure, said wheeling assemblies, in the horizontal position, being nested in opposition between said end walls, and means for maintaining said wheeling assemblies in the retracted position within said enclosure and further means for maintaining said assembly in the extended position from said enclosure, said first mentioned means including a rotatable tie-rod secured at one end thereof to one of said wheeling assemblies and being detachably secured by the other end thereof to the other of said wheeling assemblies, said last mentioned means including a break-joint brace extending between the side walls of said enclosure and said wheeling assemblies.

2,627,299
ADJUSTABLE BUS SEAT
Edward M. Martin, Jacksonville, Ark.
Application December 3, 1947, Serial No. 789,419
4 Claims. (Cl. 155—120)



3. In an adjustable seat support, the combination which comprises a pair of parallel tubular support frames having posts at the forward and rear ends with arcuate rearwardly and downwardly sloping upper bars connecting the upper ends of the posts, a rectangular shaped seat frame having substantially L-shaped parallel tubular side bars providing substantially horizontally disposed seat sections connected at their forward ends by a front bar and substantially vertically disposed back sections connected at their upper ends by a cross bar and said frames being connected at the rear by an intermediate bar, bearings pivotally connecting the seat frame through the front bar thereof to the forward ends of the upper bars of the support frames, a crank bar having offset sections therein pivotally mounted on the seat frame and positioned with the offset intermediate part thereof resting upon the upper bars of the said support frames, said crank bar having a hand lever extended at one end for adjusting the position of the bar to raise and lower the rear portion of the seat frame, said seat frame having a transverse bar extended between the side bars thereof, a bar providing a foot rest positioned against the rear surfaces of the posts at the rear of the support frames, straps connecting the bar providing the foot rest to the transverse bar of the seat frame, and blocks positioned on the rear ends of the upper bars of the support frames positioned to

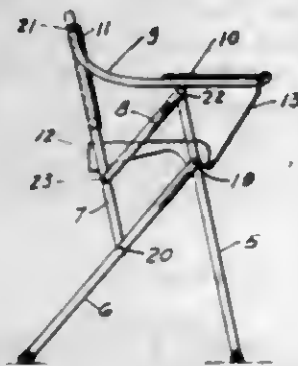
be engaged by the offset intermediate section of the crank bar at the forward side and also by the bar providing the foot rest on the opposite side.

2,627,300

COLLAPSIBLE OR FOLDING HIGH CHAIR WITH A NOVEL SEAT ARRANGEMENT FOR LOCKING

Stanley Alfred Wohler, North Wales, and Walter Bowden Pearce, Ambler, Pa.; said Wohler assignor to said Pearce

Application June 2, 1949, Serial No. 96,664
3 Claims. (Cl. 155-126)



1. A folding chair comprising a pair of front legs, a pair of rear legs pivotally connected at their upper ends to the front legs substantially below the upper ends of the front legs, a back rest having members pivotally connected at their lower ends to the rear legs in the region of the midportions of the rear legs, a pair of side braces pivotally connected to the upper ends of the front legs and extending downwardly and rearwardly to pivotal connections with the back rest members substantially above the lower ends of the back rest members, the portions of the front legs, the rear legs, the back rest members and the side braces within the pivotal connections being in parallelogram relation, and a seat pivotally connected to the front legs and supported by the back rest members.

2,627,301

CEMENT FINISHING KNEE BOARD

Thomas D. Emmett, Knoxville, Tenn., assignor of fifteen per cent to Sophia Emmett, fifteen per cent to Tom Emmett, Jr., and fifteen per cent to John Emmett, all of Fountain City, Tenn.

Application August 4, 1950, Serial No. 177,587
8 Claims. (Cl. 155-166)

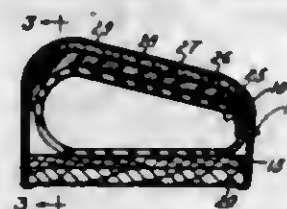


1. A knee board comprising a base having a plane under surface, a cushion mounted on the leading end of said base for supporting a user's knee, a separate and independent contoured saddle carried by the base rearwardly of the cushion for receiving and supporting a user's leg between his knee and his foot, means for adjusting said saddle vertically, and strap means carried by the saddle for securing the same to the user's leg.

2,627,302 PNEUMATIC SEAT CUSHION

Albert E. Forsyth, Britannia Bay, Ontario, Canada

Application September 16, 1948, Serial No. 49,472
3 Claims. (Cl. 155-179)



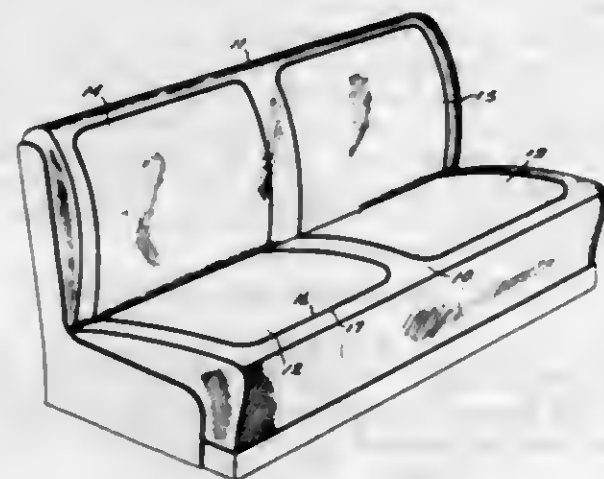
1. A seat cushion comprising, a rigid support, a plurality of rigid parallel spaced bars extending across and supported by said support, each of said bars being of a width substantially one-eighth of the center to center spacing thereof and having their upper surfaces substantially in a common plane, a plurality of elongated inflatable resilient elements, there being one such element mounted on top of each bar with its axis inclined and in substantial vertical alignment therewith, each of said elements tapering from one end to the other and having a maximum width substantially equal to said center to center spacing, means carried by said support and co-acting with the endmost elements to restrict their movement away from the adjacent elements, a fabric retaining strip extending transversely across the top of said elements and having its ends secured to said support to retain said elements seated on their respective bars, and a layer of upholstery material supported by said strip and said elements.

2,627,303

SEAT COVER WITH CHANGEABLE SECTIONS

Andrew Bard, San Bernardino, Calif.

Application March 26, 1948, Serial No. 17,242
3 Claims. (Cl. 155-182)



3. In a seat cover, the combination which comprises a seat portion and a back portion, said seat and back portions having openings of equal size therein and said openings terminating at the rear edge of the seat portion and bottom edge of the back portion, inserts nested in said openings, separable fasteners temporarily connecting the meeting edges of the inserts and seat and back portions, said fasteners being positioned between said meeting edges of the inserts and seat and back portions whereby the upper surfaces of the seat and back portions of the seat cover are smooth and flaps positioned to extend over the meeting edges of the inserts and seat and back portions of the seat cover for covering said separable fasteners.

2,627,304 LIQUID FUEL BLOWTORCH WITH ELASTIC AIR SUPPLY JACKET

Harry B. Lange, Detroit, and Rodney E. Christian, Dearborn, Mich., assignors to Kerr Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application July 10, 1950, Serial No. 172,906
2 Claims. (Cl. 158-27.5)

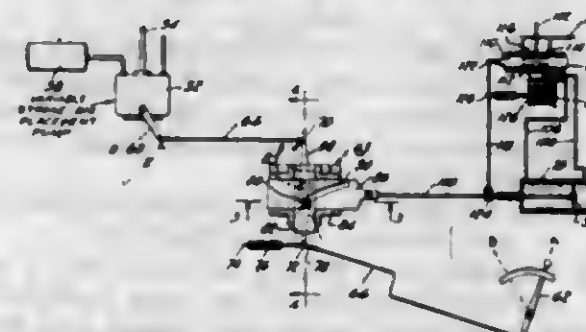


1. A blow torch comprising a hollow casing formed of molded resilient plastic material and of generally cylindrical form, said casing being of a diameter to be grasped by the hand of the user and having sufficient rigidity to hold this general form when thus grasped but being deformable by hand pressure to a greatly reduced volume, a neck of smaller diameter at the upper end of said casing, a cap engaging said neck and sealing the same and being formed with an aperture, a cylindrical liquid fuel container depending from said cap and insertable through said small diameter neck to extend downward within said casing to near the bottom thereof, a wick within said container extending outward through said aperture in said cap, a tube mounted on said cap at one side of said wick and extending inward through the cap into communication with the air space in said container, said tube being closed at its upper end and having a small aperture therein on the side adjacent to the flame of said wick, the bottom of said casing having an aperture therein, and a check valve mounted within said aperture permitting ingress of air.

2,627,305 AIR DENSITY COMPENSATING FUEL FEEDING SYSTEM FOR GAS TURBINES

Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 11, 1945, Serial No. 572,277
5 Claims. (Cl. 158-36.4)



1. In a system for controlling the supply of liquid fuel to the combustion chamber or cham-

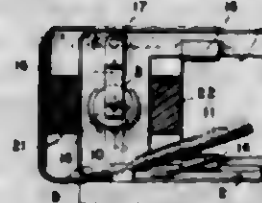
bers of a gas turbine engine, a device adapted to deliver fuel under pressure to said chamber or chambers and having a control element movable to different positions to vary the rate of delivery, a power control member movable to selected power positions between an idle setting and a maximum power setting, means operatively connecting said member to said element, and means responsive to changes in the pressure and/or temperature of the air flowing to the engine operatively associated with said connecting means including means adapted to automatically modify the position of said element at a given power setting of said member and to also modify the effective action of said member on said element when said member is moved to different power settings, said pressure and/or temperature responsive means being operative to effect a reduction in the rate of fuel delivery with a decrease in pressure and/or an increase in temperature, the percentage of such reduction progressively increasing with each increment of movement of said power control member in a power increasing direction.

2,627,306

CATALYTIC HEATER

Donald M. Stadd, New York, N. Y., and Raymond Paul Schreiber, Washington, D. C.

Application April 15, 1949, Serial No. 87,766
7 Claims. (Cl. 158-96)



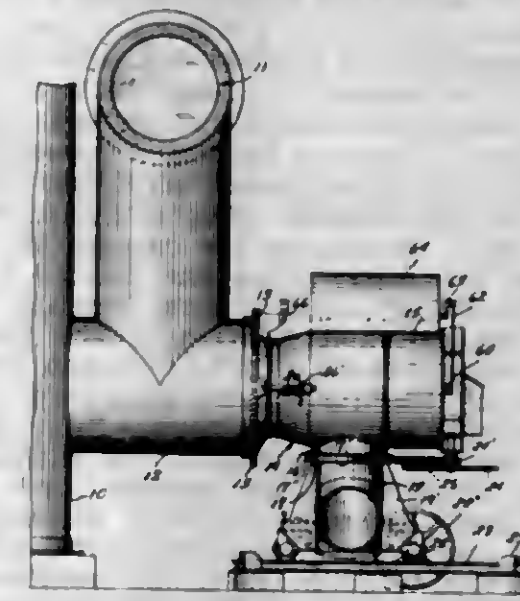
1. A catalytic heater including a reservoir adapted to receive liquid fuel and provided with an opening in its top, an upwardly inclined spring mounted adjacent said opening and extending over the same, and a movably mounted catalyst bed disposed above said spring and normally held thereby in spaced relation to said reservoir.

2,627,307

CONCENTRIC GAS AND AIR BURNER

Carl J. Westling, West Orange, N. J., assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois

Application July 24, 1950, Serial No. 175,579
11 Claims. (Cl. 158-109)



1. In a gas burner for heating a hot blast stove and the like, the combination of a substantially

tubular housing having a nozzle at one end, a support mounting said housing in substantially horizontal position, a power driven fan within said housing for forcing air through said nozzle, a main supplying gas under pressure connected to said nozzle for admixture with the air forced therethrough, a vertical axis swivel in said main, a rail concentric with the axis of said swivel, and rollers on said support and engaging said rail about which said burner may be moved to couple the same to and from said stove.

2,627,308

NOZZLE BURNER

James K. Clark, New Hartford, N. Y., assignor to The Partlow Corporation, a corporation of New York

Application December 9, 1947, Serial No. 790,532
4 Claims. (Cl. 158—115)



1. A burner, comprising a hollow body having an axis and a nozzle end, a nozzle in said nozzle end having a wall defining a concentric restricted nozzle opening, a conductor rod insulatively carried coaxial with said body, a main fuel supply line connected to the interior of said hollow body, a pilot shell carried by said hollow body concentrically surrounding and spaced from said hollow body, said shell having a flame end extending past said nozzle and substantially surrounding the periphery thereof to define with said nozzle a combustion area adjacent said nozzle, a pilot supply line connected to said hollow body and communicating with the space between said shell and said body, whereby a pilot flame will be established as a substantially annular wall of flame adjacent said shell at said flame end within said combustion area, said conductor rod extending coaxially through said nozzle opening and having a terminal end establishing a gap with one of said shell and said body, which gap is in said combustion area.

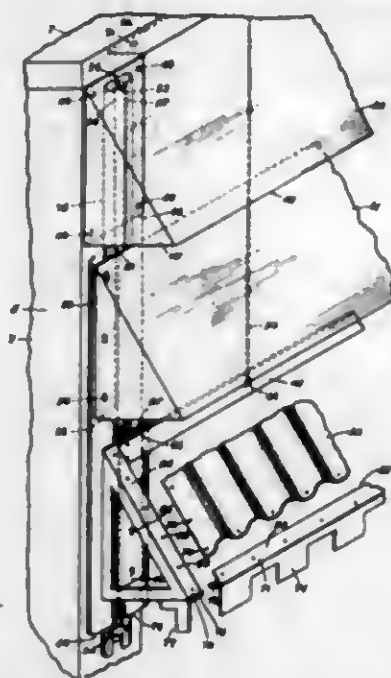
2,627,309

AWNING STRUCTURE

James N. Dugan, Cincinnati, Ohio
Application August 23, 1949, Serial No. 111,955
5 Claims. (Cl. 160—202)

1. An awning structure which comprises in combination, a canopy having a forwardly and downwardly inclined panel providing an open bottom for the canopy, integral horizontal and vertical rigid flanges on the canopy for rigidly mounting the latter upon the header and the stiles, respectively, of a window frame, a pair of upright guides fixed relative to the frame at opposite sides thereof, said guides each including a pair of longitudinal spaced flanges, a movable shade member including a forwardly and downwardly inclined panel sloping in substantially the same direction as the canopy panel, means on the shade member slidably engaging one flange of each guide, for sliding vertical movement thereon, to guide the shade member bodily into the open bottom of the canopy when elevated, a second movable shade member including means slidably engaging the remaining flanges of the guides, to guide said second shade

member vertically toward and from the first mentioned shade member, and means for controlling the elevations of the shade members relative to the canopy.

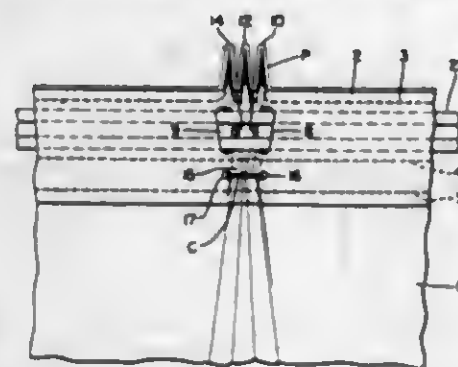


trolling the elevations of the shade members relative to the canopy.

2,627,310

PLEATING

Alexander McDonald Hess, New York, N. Y.
Application March 7, 1951, Serial No. 214,293
1 Claim. (Cl. 160—348)



A pleating strip adapted for attachment to a drapery, curtain or the like and having impressions therein suitable for forming a plurality of pleats on the forward face of the curtain, a U-shaped member positioned to cooperate with the sides of the pinched folded pleats forward of the strip and back of the pleats to prevent their lateral expansion, said pleating strip formed with through holes from front to back of the strip and located respectively at opposite sides of the folded pleats for receiving the ends of the U-shaped clip to position the clip and to retain the same against vertical displacement on the folded pleats.

2,627,311

SCREEN FRAME CONSTRUCTION INTENDED PRIMARILY FOR SHADE SCREENS

Harry A. Kaufmann, Detroit, Mich., assignor to The Kaufmann Corporation, Detroit, Mich., a corporation of Michigan

Application June 17, 1950, Serial No. 168,755
12 Claims. (Cl. 160—395)

2. In an elongated frame element for a screen frame, the combination of: a body portion having centerward and peripheral edges and inward and outward sides, said body having a lengthwise recess in its inward side near to and parallel with the centerward edge thereof, said recess

having an outer wall and a centerward wall and said centerward wall extending toward and terminating at a point spaced from said inward side; a flat lip extending centerwardly from said centerward edge, said lip being spaced outwardly from said inward side and substantially parallel therewith; a lengthwise bead secured to and extending centerwardly from said outer wall adjacent to the inward edge thereof, said bead being spaced from a plane defined by the adjacent sur-



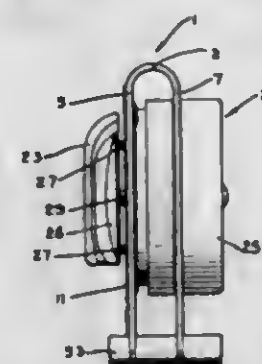
face of said centerward wall; an elongated, resilient angle member having one leg thereof resistably extendable into said recess with the other leg extendable centerwardly and engageable with said lip, said other leg being resiliently distorted against said lip by engagement of the free end of said one leg with said centerward wall and engagement between said bead and the apex of said angle member, said angle member being completely disposed between planes defined by said inward and outward sides.

2,627,312

CASE FOR CONDITION INDICATING DEVICE

Thomas G. Haney, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin

Application February 16, 1949, Serial No. 76,672
3 Claims. (Cl. 161—15)



1. A case for a condition indicating instrument, which instrument includes a works, a pointer shaft and a pointer carried by the shaft, comprising a flat generally rectangular piece of sheet material formed in an inverted U-shape open at its sides and bottom, each leg of said U-shaped sheet presenting a generally rectangular surface both dimensions of which are greater than the distance between said legs, said legs being spaced apart a relatively slight distance whereby the pads of the fingers of a user may be pressed inwardly of the side edges of said legs and of the bight portion of said U-shaped sheet to provide a slip-free grip for lifting and carrying the case, one leg of said U-shaped sheet having an embossed portion on the outer surface thereof and having a substantially central aperture therein adapted for the passage of the instrument shaft, said embossed portion of said one leg being adapted to carry a dial face for cooperation with the pointer carried by the instrument shaft, the other leg of said U-shaped sheet having an enlarged substantially central aperture therein adapted for the reception and passage of the instrument works, said one leg of said U-shaped sheet being adapted for the securement thereto of the instrument works on the inner surface there-

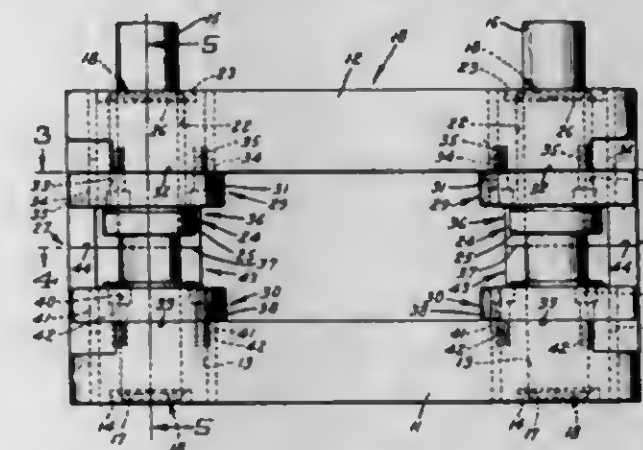
of, said enlarged aperture in said other leg of said U-shaped sheet being adapted to accommodate extension of the instrument works therethrough when the instrument works is secured to the inner surface of said one leg, and a foot disposed adjacent each side of said U-shaped sheet at the bottom thereof, said feet extending transversely of and interconnecting the legs of said U-shaped sheet and extending beyond said other leg.

2,627,313

SAFETY DEVICE FOR DIE-SETS

Newman M. Marsilius, Trumbull, Conn., assignor to The Product Machine Company, Bridgeport, Conn., a corporation of Connecticut

Application October 12, 1950, Serial No. 189,713
4 Claims. (Cl. 164—118)



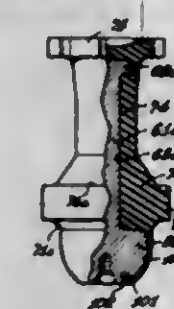
1. In a die-set, a horizontal bed and a horizontal punch holder above said bed, a pair of vertically disposed guide pins mounted by said bed and along which said punch holder may move toward and from said bed, a positive stop device associated with each of said guide pins including a pair of parts of which one is on said punch holder and the other on said bed, said parts including oppositely extending vertically aligned wall portions laterally spaced from the pin associated therewith and having opposing end surfaces lying in parallel horizontal planes for contact one with the other as said punch holder is moved toward said bed to positively limit said movement and support said punch holder in vertically spaced relation to said bed, and means removably securing said parts to said punch holder and bed respectively.

2,627,314

CEMENTING PLUG AND VALVE DEVICE FOR WELL CASINGS

Reuben C. Baker, Coalinga, and Benjamin Lewis Austin, Long Beach, Calif., assignors to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application November 14, 1949, Serial No. 127,189
10 Claims. (Cl. 166—1)



1. A cementing plug, including a forward rigid valve head portion and a trailing inwardly compressible elastic body having a peripheral portion

for slidable sealing engagement with the wall of a well conduit, said body also having a leading portion adjacent said head portion which has an outer surface converging from said peripheral portion to said head portion, the maximum diameter of said valve head portion being materially less than the maximum diameter of said peripheral portion.

2,627,315

WELL POINT CORE

Henry C. Hettinger, Chicago, Ill.
Application May 9, 1951, Serial No. 225,324
4 Claims. (Cl. 166-5)



2. A core for a well point including a lower tip and a tubular wall thereabove provided with screened inlet perforations, said core comprising an imperforate tubular body fitting loosely within said wall, means on the upper end of said body to mount it spaced inward of and fluid-tight within said wall, and a plurality of propeller-like curved wings extending downwardly and outwardly from the lower end of said body, to space said end from the wall and the tip and provide a flow chamber between said body and wall, said perforations being positioned above said wings and said tip, thereby causing the substance that flows thru said chamber, during the pumping operation, to travel with a swirling motion from said wings over said tip and thence upward in the body, to prevent lodging of silt and substance upon said tip.

2,627,316

WELL TOOL SWIVEL DEVICE

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application July 1, 1946, Serial No. 630,665
12 Claims. (Cl. 166-12)

1. Well apparatus adapted to be lowered in a well conduit or the like on a tubular string, including normally retracted slips, expander means for moving said slips into engagement with said well conduit, releasable lock means for preventing substantial relative longitudinal movement between said slips and expander means, tubular means operatively connected to said expander means and connectable to said tubular string, a drag device frictionally engageable with said well conduit and rotatably connected to said slips, and

friction clutch means for coupling said drag device to said lock means, said friction clutch means having a load transmitting capacity sufficient to



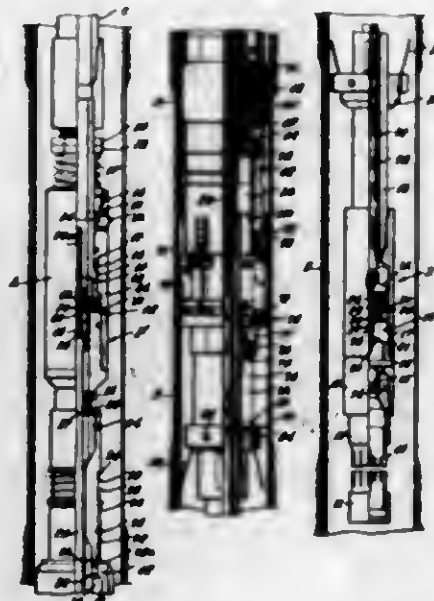
effect operation of said lock means, but insufficient to overcome the normal resistance to movement offered by said drag device when engaging said well conduit.

2,627,317

WELL TESTER

Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application December 9, 1947, Serial No. 790,519
17 Claims. (Cl. 166-12)



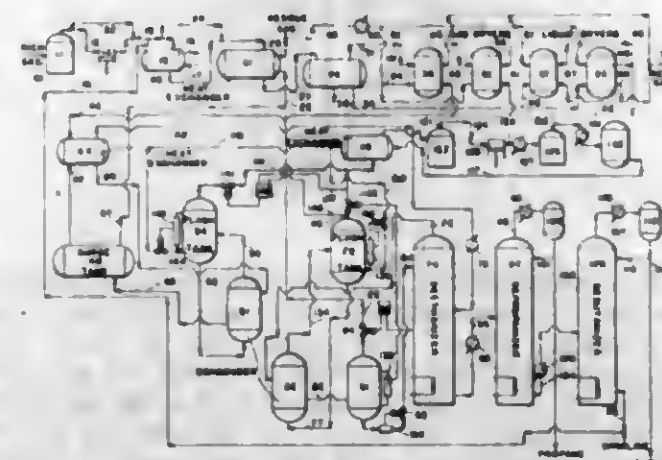
1. A well tester: including imperforate tubular means on a tubular string and adapted to conduct fluid to said tubular string; valve means in said tubular means for controlling fluid flow into said tubular means; means for opening and closing said valve means, comprising a driven axial cam operatively connected to said valve means, a driving axial cam engageable with said driven axial cam, means for connecting said driving axial cam to said tubular string for manipulation thereby, and spring means engaging one of said cams to maintain said cams in engagement with each other when said valve means is closed.

2,627,318

REFRIGERATION METHOD OF RECOVERING HYDROCARBONS FROM GAS MIXTURES

Will Swerdloff, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application August 8, 1949, Serial No. 109,136
13 Claims. (Cl. 183-114.2)



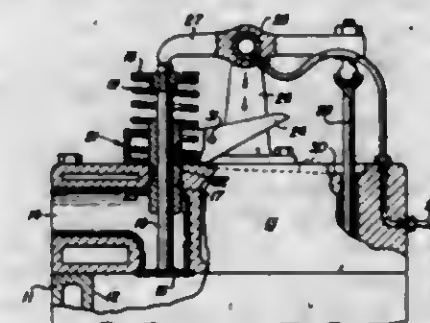
1. In a process for treating a gas containing at least two constituents condensable to the liquid phase for the separation and recovery of at least one of said constituents, the steps comprising cooling said gas to a temperature sufficiently low to condense at least a portion of any water contained in said gas, separating any of said condensed water from the remaining constituents of said gas, separating non-aqueous liquid phase condensed from said gas as a result of said cooling from the remaining uncondensed portion of said gas, subjecting said liquid phase to the action of a first body of solid desiccant, subjecting the uncondensed portion of said gas to the action of a second body of solid desiccant, admixing said liquid phase with the remainder of said gas, refrigerating the resulting mixture to a temperature sufficiently low to condense at least all but the least condensable constituent of said mixture, separating said least condensable constituent from the resulting liquid phase, separating at least one constituent of said gas from said liquid phase by fractionation of said liquid phase, and recovering the remainder of said liquid phase.

2,627,319

ENGINE VALVE OILING MECHANISM

Clarence Kaufman, Butler, Mo.

Application February 1, 1949, Serial No. 73,937
1 Claim. (Cl. 184-6)



In an engine valve oiling mechanism wherein a valve stem reciprocates vertically in the bore of a fixed sleeve projecting above the engine head block and is controlled by a push rod actuated rocker mounted on a horizontal shaft above the head and oil is supplied to a rocker shaft bearing and permitted to drop freely back toward the head, and a groove is provided in the head for

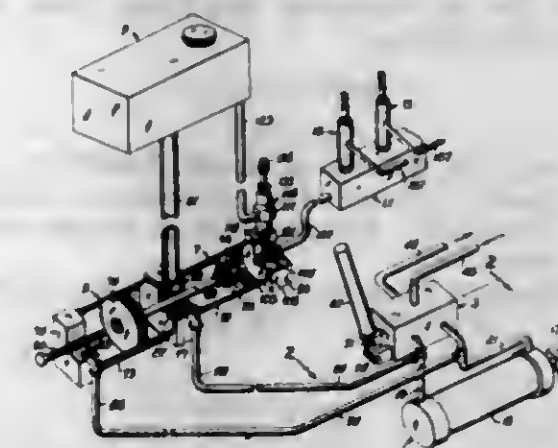
receiving and directing the oil to the push rod to lubricate the push rod and be returned to the crankcase, an attachment comprising a trough press fitted onto said sleeve and seated against said head so as to define with said sleeve an open-topped receptacle having an offset upwardly and angularly extending guide lip projecting from one side of the trough over said groove into the path of said freely dropping oil to receive said oil and deliver the oil to said trough, a radial metering passage in said sleeve below the top of said trough for admitting some of said oil to said bore for lubricating the valve stem, and an aperture in said angular lip overlying said groove a predetermined distance above said passage whereby excess oil is utilized by flowing out of said aperture into said groove to lubricate said push rod and be returned to the engine crankcase for reuse.

2,627,320

LUBRICATING SYSTEM

Lutwin C. Rotter, Maplewood, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application September 7, 1950, Serial No. 183,630
6 Claims. (Cl. 184-7)



1. A lubricating system for apparatus which is operable in cycles, comprising reciprocating means for actuating the apparatus through a cycle, a reciprocating lubricant pump, means operable in response to each operation of the apparatus through one cycle for reciprocating the pump through one cycle, means for adjustably limiting the stroke of the pump, a lubricant injector having an inlet in communication with the outlet of the pump and an outlet through which a charge of lubricant may be fed to the apparatus, said injector including means for feeding a charge of lubricant through its outlet to said apparatus upon being supplied with lubricant at a predetermined pressure, and to reset and reload with another charge of lubricant upon relief of pressure, a check valve arranged to check flow of lubricant from the injector back to the pump upon return strokes of the pump and adapted to open upon pressure strokes of the pump, and means for relieving pressure at a point between the check valve and the injector subsequent to actuation of the injector.

2,627,321

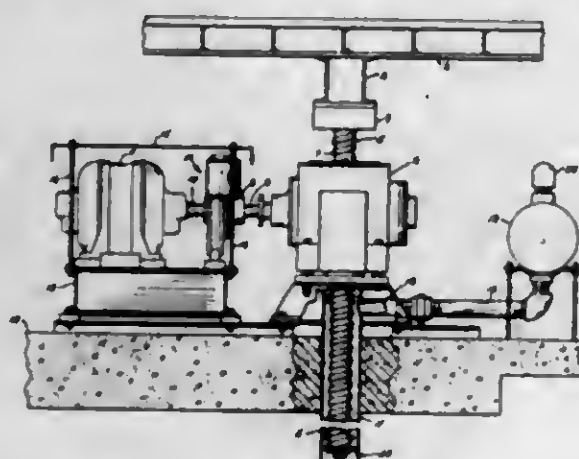
HYDRAULIC SAFETY DEVICE FOR SCREW ELEVATORS

John A. Brubaker, Toledo, Ohio, assignor to Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio

Application December 23, 1950, Serial No. 202,508
4 Claims. (Cl. 187-24)

4. In an elevator having a car guided for vertical movement, in combination, a threaded

column that supports the car and that engages a rotatable nut in a driving mechanism, a casing extending downwardly from the mechanism to receive the column, hydraulic fluid in the casing, a vented receptacle connected to the casing to receive fluid displaced by the column, a reduced



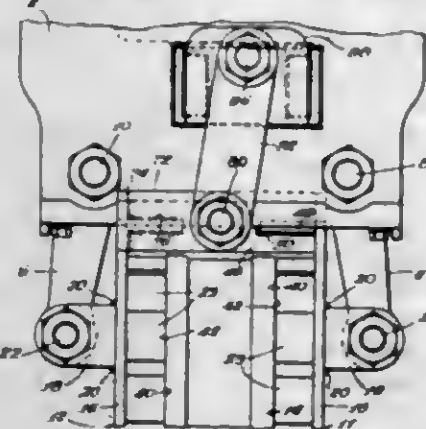
diameter extension depending from the column, an apertured plate loosely mounted on the extension, and means for supporting said plate from said extension without obstructing fluid flow through the aperture as the fluid flows downwardly in the casing.

2,627,322

BRAKE HEAD ARRANGEMENT

Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

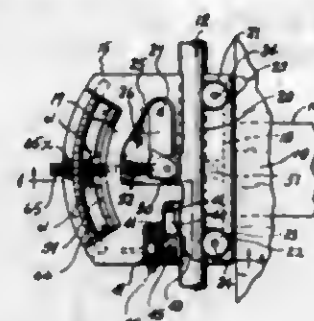
Application June 10, 1948, Serial No. 32,232
17 Claims. (Cl. 188-59)



1. In a rotor brake assembly, a support structure, a rotor, a lever fulcrumed to said structure, a stator at one side of said rotor pivoted to said lever, said stator comprising a brake head member formed as an arcuate segment and comprising curved radially inner and outer edges, said member being formed with slots extending radially outwardly from said inner edge and radially inwardly from said outer edge, said slots dividing said head into sections connected by the portions of said member between said slots, friction pads mounted on one side of said member, substantially flat radial braking surfaces on the rotor and said pads adapted for braking cooperation with each other for decelerating said rotor, said segments being flexible axially of said rotor upon braking application against said rotor to prevent the development of localized high pressure areas between said rotor and said stator, thereby preventing uneven wear on said surfaces, and means for guiding said stator in a manner obtaining parallelism between said surfaces on said pads and said rotor comprising an element pivoted at spaced points to said structure and to said stator.

2,627,323
T-SQUARE AND PARALLEL STRAIGHTEDGE COMBINATION

Carl O. Larson, Seattle, Wash.
Application October 11, 1949, Serial No. 120,764
2 Claims. (Cl. 188-67)

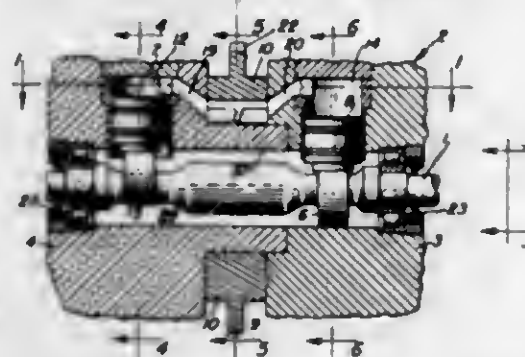


1. In combination, a guide rod, a straight edge mounting block mounted for adjustment along and rotation about the guide rod, a lever arm extended along the rod and pivoted at one end in the block to permit its other end to be adjusted from and toward the said rod, means for effecting such adjustment and for securing it, and a resilient friction block mounted on the lever arm at its adjustable end in contact with the rod and adapted to be pressed more or less tightly thereagainst by said adjusting means.

2,627,324

HYDRAULIC POWER TRANSMISSION APPARATUS

Gustaf Arthur Arvidson, Davenport, Iowa
Application March 21, 1949, Serial No. 82,606
6 Claims. (Cl. 188-91)

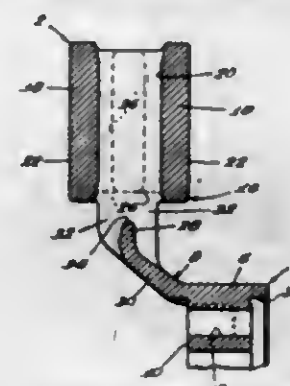


1. A structure for the purposes indicated comprising a body member having a shaft opening therein and a flange around one end of the opening and projecting from the face of the body member, a second body member having a socket in one face thereof receiving the end of the flange tightly with a space between said body members radially outwardly of said flange, the second body member having an eccentric-receiving shaft opening coaxial with the first opening, and forming therewith a single opening, said body members having cylindrical openings extending radially from the shaft opening perpendicularly to the axis thereof and arranged in pairs having a common axial plane with the axis of the shaft opening, said body members also having ports leading from said cylindrical openings into said space, a valve member in said space between said body members and movable therein to control the flow of fluid from one cylinder opening through the associated ports to the other cylinder opening in the same axial plane, an eccentric shaft in said shaft opening, eccentrics on said shaft in alignment with the cylinder openings, and pistons in said cylinder openings, the pistons in any one of said pairs being simultaneously reciprocable in opposite directions.

2,627,325

BRAKE ROTOR

Wealey A. Helsten, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 6, 1949, Serial No. 108,875
2 Claims. (Cl. 188-218)

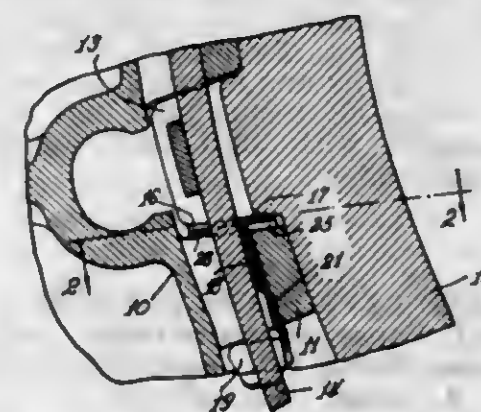


1. In a rotor, a support member comprising a central hub and an integral bell-like element at one end of said hub, said element comprising a body portion extending diagonally axially of said rotor and an integral, annular, outturned, radial flange at the outer periphery of said body portion, a brake ring surrounding said member and comprising spaced plates extending generally perpendicular to the axis of rotation of said rotor and presenting friction faces on their remote sides and defining a fluid chamber therebetween, a plurality of radially arranged, spaced blades between and integrally uniting said plates, the inner extremities of said blades extending radially inwardly of said plates and merging centrally with the outer periphery of said flange and with opposite sides of said flange and body portion, said element and blades defining fluid inlets with the inner peripheries of said plates communicating with said chamber, and radially arranged, spaced vanes within said chamber between said blades on each plate and extending axially of said rotor toward the other of said plates, adjacent vanes being arranged in staggered overlapping relationship circumferentially of the rotor to define a circumferential passageway of substantially S shape.

2,627,326

BRAKEHEAD WEAR PLATE RETAINER

Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1950, Serial No. 203,418
5 Claims. (Cl. 188-243)



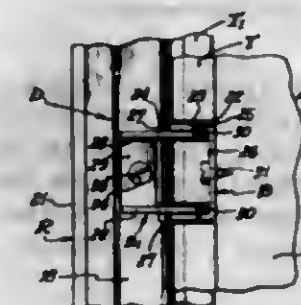
1. A brake head wear plate retainer, in combination with a brake head provided with a shoe supporting slotted lug, a brake shoe with a slotted lug which rests on the head lug and an elongated locking key which passes through the slots of the head and shoe lugs, a wear element ar-

ranged to be placed on the upper surface of the shoe supporting lug of the brake head and comprising a pair of flat plate-like spaced portions united adjacent a longitudinal edge by a strip portion whose inner longitudinal edge is provided with a downwardly disposed leg of predetermined width and length and arranged to extend through the slot in the brake head lug parallel with the brake shoe locking key, the lower end of said leg being provided with rearwardly disposed laterally spaced portions normally extending substantially parallel with the side edges of said leg and having inwardly disposed lower tip portions arranged to extend into the path of the shoe locking key and to be spread thereby into locking engagement with the bottom of the head lug.

2,627,327

SHOWER STALL DOOR HINGE

John W. Backman, Los Angeles, Calif., assignor to Southern California Glass Co., Inc., a corporation of California
Application April 7, 1948, Serial No. 19,541
3 Claims. (Cl. 189-46)



1. In a vertical hinge construction for a metal framed door mounted on a metal door jamb, a vertical member of the door frame and said jamb having continuous interfitting marginal portions, means supporting the weight of the door and holding it against vertical movement, comprising: first bracket means secured to the inner edge of the door frame and formed with plate-like heads extending horizontally through slots formed in the interfitting margins of the door frame and door jamb; and second bracket means secured to the inner edge of the door jamb and formed with plate like heads extending horizontally through the slots formed in the interfitting margins of the door frame and door jamb into engagement with and supporting the plate like heads of the first bracket means.

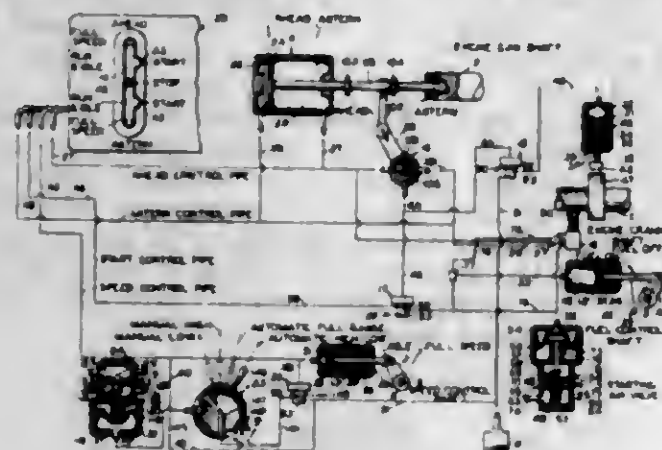
2,627,328

CONTROL APPARATUS

Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application September 22, 1948, Serial No. 50,595
11 Claims. (Cl. 192-3)

1. An apparatus for controlling stopping of a reversible prime mover comprising two control pipes, prime mover reversing means operable by fluid under pressure from one of said pipes to a forward position and by fluid under pressure from the other pipe to a reverse position, an operator's control device having forward and reverse positions and comprising means operative in such positions to supply fluid under pressure to said one and other pipes, respectively, while venting the other pipe, braking means for said prime mover, brake control means operable by fluid under pressure to effect application of said braking means and operable upon release of fluid

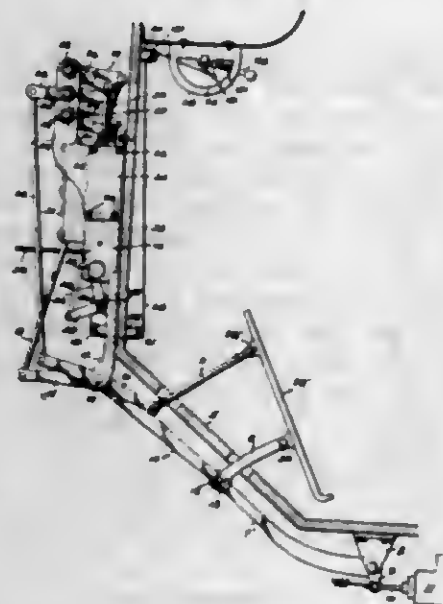
under pressure to release said braking means, and a valve controlling communication between said pipes and said brake control means operable by said reversing means only upon attaining the



position corresponding to that of said control device to connect said brake control means to the vented one of said pipes and to disconnect said brake control means from the other pipe.

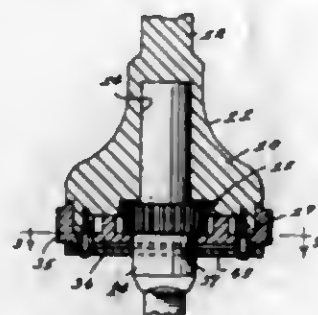
2,627,329

FLURAL POWER FEED AND BRAKE OPERATING MECHANISM FOR MOTOR VEHICLES
Marshall P. Deputy, Council Bluffs, Iowa, assignor to Uni-Drive Corporation, Omaha, Nebr.
Application October 13, 1950, Serial No. 189,931
7 Claims. (Cl. 192-3)



1. The combination with the accelerator rod, accelerator pedal and master cylinder of the hydraulic brake system of a motor vehicle, of a control means embodying a pivoted brake lever connected to the accelerator pedal effecting operation of the master cylinder, a cylinder block having a plurality of fluid-containing cylinders, communicating at their lower ends mounted on the vehicle, pistons operating in the cylinders, linkage connected between the accelerator pedal and one of said pistons operating the pistons as the accelerator pedal is tilted forwardly, linkage connected between one of said pistons and accelerator rod, operating the accelerator rod controlling the speed of the vehicle as the accelerator pedal is operated, and means including linkage connected between the brake lever and one of said cylinders operating said pistons simultaneously cutting off the flow of gas to the motor of the vehicle with the operation of the pedal braking the vehicle.

2,627,330
RATCHET WRENCH
Emmett Junior Gantz, Burlington, Iowa
Application July 2, 1948, Serial No. 36,707
1 Claim. (Cl. 192-43.1)

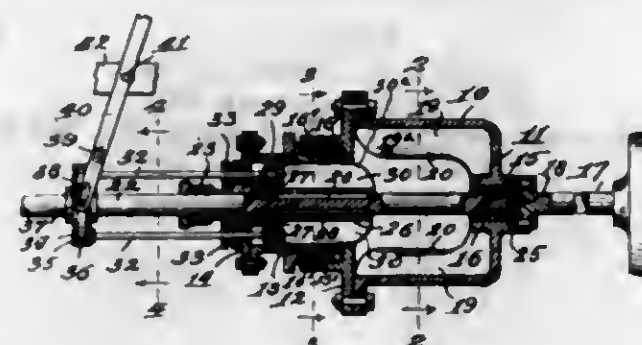


A ratchet wrench comprising an elongated shaft having on one end a tapered enlargement provided in its outer end with an axial bore and a counterbore at the other end of said bore, an annular marginal wall on the end of said enlargement circumspatially surrounding said counterbore, said wall having angularly spaced apart dog receiving pockets therein, a ratchet gear seated in said counterbore and having an arbor journaled in said bore, a stud projecting from said ratchet gear outwardly of the corresponding end of said shaft, ratchet gear engaging dogs pivotally mounted one in each pocket of said annular wall and arranged in two pair with the two dogs of each pair relatively opposed, the portions of said annular wall between pockets receiving the two dogs of each pair of dogs overlying the pivoted ends of such dogs and serving as abutments for applying pressure to the dogs, a manually rotatable annular collar mounted on said annular wall and having an end wall overlying the enlarged end of said shaft, said end wall having an aperture receiving said stud and spaced apart arcuate slots therein, a pair of arcuately shaped lugs carried by said end wall and disposed one lug between the two dogs of each pair, an end plate overlying the end wall of said collar and having an aperture receiving said stud, screws extending through the end plate and into the enlarged end of said shaft to secure said end plate and said collar to said shaft, said screws extending through corresponding slots in the end wall of said collar to limit rotational movements of said collar relative to said shaft, and spring means acting between said annular wall and said dogs resiliently urging said dogs into engagement with said ratchet gear, said dogs being alternatively movable out of engagement with said gear by said lugs upon manual rotation of said collar and said lugs and said dogs having mutually engaging ribs thereon to releasably secure said lugs in operative engagement with said dogs against accidental displacement.

2,627,331
VANE TYPE FLUID CLUTCH
Arlyn T. Vance, Sherman Oaks, Calif.
Application May 6, 1947, Serial No. 746,356
1 Claim. (Cl. 192-58)

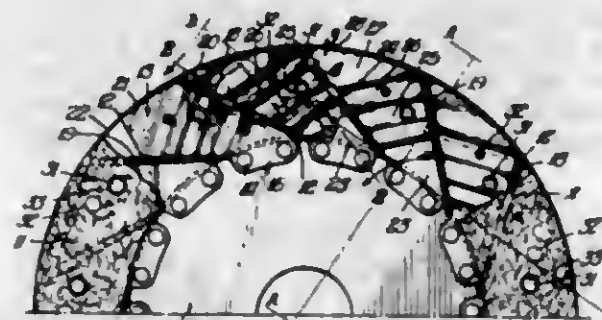
In a fluid power transmission device, a housing, a series of vanes within said housing, the longitudinal edges of said vanes all being curved in the same direction, an axially disposed shaft journaled in said housing, a removable wall closing one end of said housing, a second housing co-axial with said first mentioned housing jour-

nalled in and extending outwardly from said end wall, an anti-friction bearing and a stuffing box between the end wall of the first mentioned housing and said second mentioned housing, a member arranged to slide upon and rotate with said shaft within said second mentioned housing, vanes upon said last mentioned member, the outer edges of all of said last mentioned vanes being



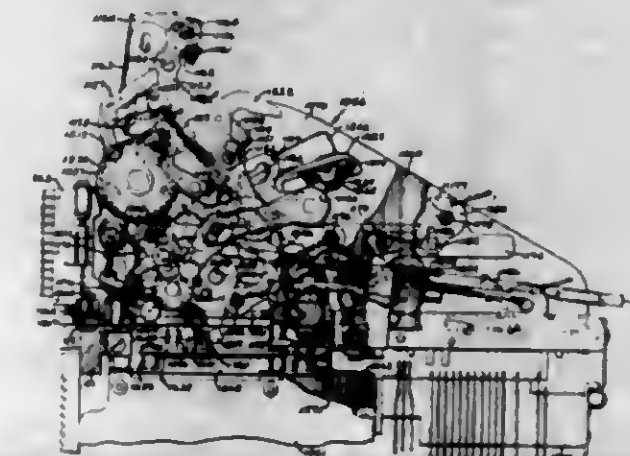
curved in a direction opposite the curvature of the blades on the edges of said first mentioned blades, a closure for the outer end of said second mentioned housing and means mounted on said shaft external of said second mentioned housing and passing through said closure for moving the sliding member bodily into and from the space within the curved vanes in the first mentioned housing.

2,627,332
CLUTCH PLATE
George I. Goodwin, Birmingham, Mich.
Application January 2, 1948, Serial No. 41
6 Claims. (Cl. 192-107)



1. In a clutch plate structure, a supporting disk and a plurality of resilient sheet-like cushion members secured thereto in radially and circumferentially overlapping relation to one another about the periphery of the disk, said disk having a plurality of circumferentially arranged rivet receiving holes spaced approximately equally thereabout adjacent the periphery thereof, each of said members having an inner attaching portion secured to said disk by a plurality of securing elements extending through said holes and a circumferentially inclined cushion wing adjoining and merging directly with said attaching portion, said wing being defined by spaced, substantially uninterrupted side margins diverging outwardly relative to one another but inclined in like circumferential relation to the disk, which margins merge directly with the margins of said attaching portion, said cushion wings each being provided with a plurality of undulatory cushion areas extending transversely of the wing, a radius of said disk intersecting the cushion wings of an overlapped pair of said members.

2,627,333
FRONT-FEED PAPER CARRIAGE CONSTRUCTION FOR ACCOUNTING AND THE LIKE MACHINES
Thomas M. Butler, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Original application April 7, 1949, Serial No. 85,971. Divided and this application June 13, 1950, Serial No. 167,875. In Argentina April 13, 1949
4 Claims. (Cl. 197-128)

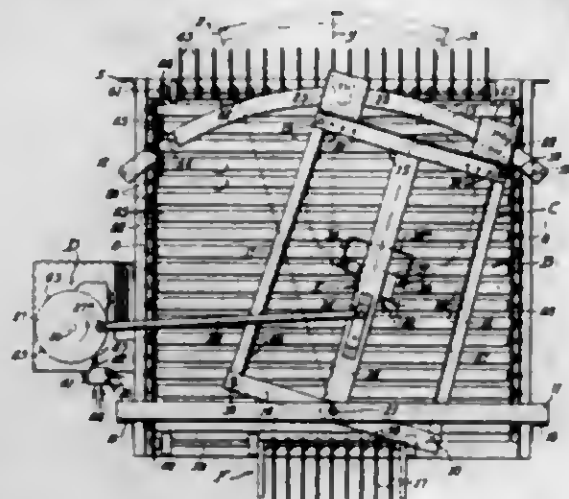


1. An accounting machine having a driving means, a printing mechanism, a paper carriage, a platen, means to hold papers in contact with said platen, said platen and paper holding means being mounted in said carriage for relative movement to open and close a paper insertion throat between them, paper guide means mounted on said carriage for movement, when said throat is open, to a retracted position to permit placement of a first paper around said platen, said guide means normally being positioned, when said throat is open, to guide inserted further papers into said throat so as to be held in print-receiving position between said platen and printing mechanism, a second paper holding means associated with said guide means to hold said first paper against the platen, driving connections from said driving means to effect relative movement of said platen and first-mentioned paper holding means to open and close said throat, control means to cause said driving means to operate said connections, and means controlled by said guide means to prevent operation of said connections to close said throat when said guide means is in said retracted position.

2,627,334
CONVEYER AND SHIFTER GUIDE MECHANISM
Ernst B. Koppel and William J. Walters, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 29, 1948, Serial No. 67,944
15 Claims. (Cl. 198-31)

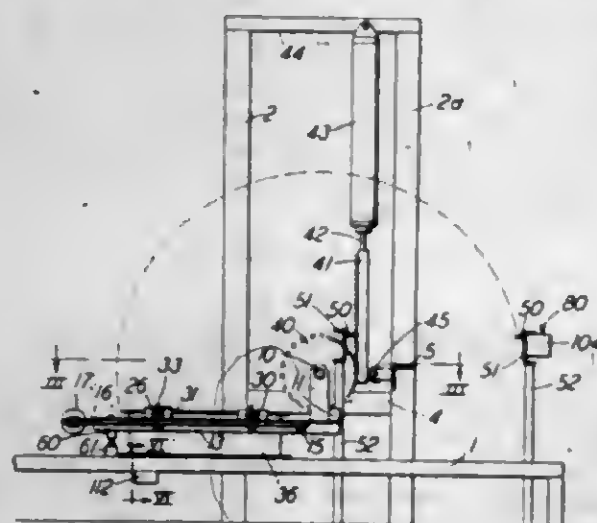
1. An article transfer apparatus comprising, a table defined by a plurality of driven rollers arranged with their axes in a common plane which is inclined in an upward direction toward the delivery portion of said table; an arcuate track at the delivery end of said table in a plane above said rollers; a support at the receiving end of said table; a reciprocal shifter frame arranged with its end portions respectively at said track and said support, the delivery section of said frame being adapted for oscillatory movement on said track; means pivotally connecting the receiving end of said shifter frame to said support; spaced guides on said frame between which arti-

cles are adapted to travel, said guides being adjacent to but out of contact with said table rollers and extending in the general direction of travel of articles supported by said table; an indexing assembly including cam means, a pitman connecting said cam means to said frame for oscillating said frame on said pivot, and a prime mover for actuating said cam means; automatically operable control means for said indexing



assembly comprising a reciprocal member actuated by contact with articles moving on said table for intermittently operating said control means; and means responsive to the intermittent operation of said control means for effecting the alternate operation and release of said indexing assembly, whereby said shifter frame is oscillated by said indexing assembly and defines a plurality of paths of travel for the articles transferred by said apparatus.

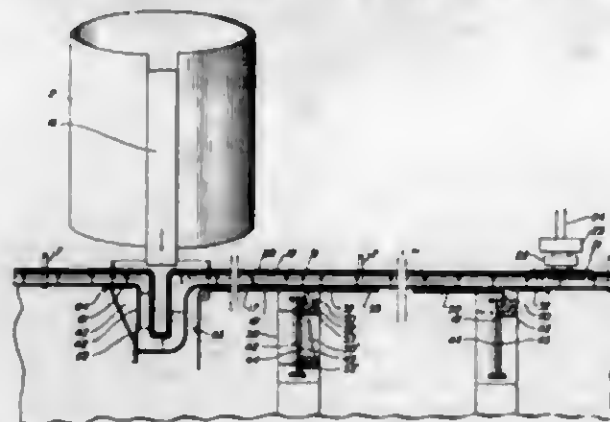
2,627,335
FLASK HOIST FOR FOUNDRY MOLDING MACHINES
Stanley James Gedris, Grand Rapids, Mich.
Application July 28, 1950, Serial No. 176,508
3 Claims. (Cl. 198—33)



1. In a flask turnover for a foundry flask having an outwardly extending rim, a first conveyor and a second conveyor, said first conveyor being disposed above said second conveyor, the combination comprising: a hinge member including a shaft; a frame having sides and ends; said frame having one end affixed to said shaft of said hinge member and the other of its ends free; a pair of arms, one on each side of said frame; each of said arms pivotally mounted to said frame adjacent said hinge member; means affixed to the other of the ends of each of said arms for alternately substantially aligning said arms with said sides of said frame and spacing

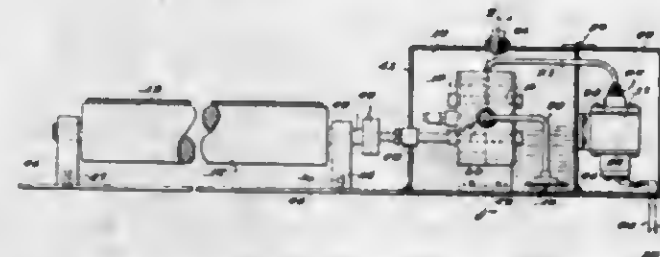
said arms substantially from said sides at the free ends of said frame; fingers mounted on each of said arms and movable therewith for receiving said rim of said flask; means for pivoting said frame from a position horizontal to said first conveyor to a position horizontal to said second conveyor and returning said frame to a position horizontal to said first conveyor.

2,627,336
FEEDING APPARATUS
Nat Cordis, Bassett, Wis.
Application August 14, 1947, Serial No. 768,649
3 Claims. (Cl. 198—48)



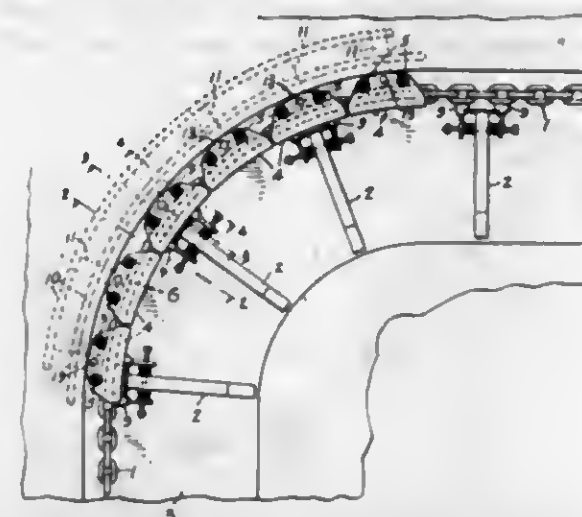
1. A mechanical feeding system comprising a feed hopper, an endless conveyor adapted to move feed upwardly from said hopper, a plurality of feeding stations at longitudinally spaced points below said conveyor, means in the floor of said conveyor whereby feed is discharged therefrom at the feeding stations, each feeding station including a chute and trap door, whereby a predetermined volume of feed is accumulated in said stations, an accumulation hopper in the circuit of said conveyor and below the normal travel of said conveyor to accumulate undistributed feed, a common wall between said accumulation hopper and said feed hopper and port means in said wall for transferring undistributed feed from the accumulation hopper to the feed hopper.

2,627,337
FEEDER CONVEYER ACTUATOR
Hughie Clifford Lyons, Hyden, Ky.
Application March 17, 1950, Serial No. 150,202
3 Claims. (Cl. 198—80)



1. In a safety device for use in operating feeder conveyors, the combination which comprises a main belt conveyor, a transversely positioned roller extended across the belt of the main conveyor, means mounting the said roller whereby the roller is in contact with the under surface of the belt of the conveyor, a shaft extended from the roller, a fluid pump having a shaft aligned with the shaft of the roller in engagement with the belt of the main conveyor, a coupling connecting the ends of the shafts of the roller and pump, a fluid pressure actuated switch, and a connection from the discharge side of the pump to the switch for closing the switch as the motor is operated by the roller.

2,627,338
CONVEYER SHOE AND SUPPORTING FRAME
Frederick W. Vodoz, Oconomowoc, Wis.
Application May 5, 1949, Serial No. 91,521
6 Claims. (Cl. 198—137)



1. In a conveyor system for barn cleaning employing a single chain with side arms disposed along one side thereof to move along the bottom of a gutter, an inward bend guide structure for the chain comprising a plurality of lugs secured in the outer wall of the gutter adjacent the path of the chain and a guide shoe pivoted to each lug on a vertical axis and having a recessed groove therein through which the chain is adapted to pass in a curved arc from end to end of the shoe, each said shoe having a length corresponding to a predetermined arc of the bend with the groove thereof shaped to receive and guide successive vertical and horizontal links of the chain and open along the inward face of the shoe for passage of said arms, the grooves of the several shoes being aligned along the bend and having open mouths at the ends for guiding the chain into the respective groove during passage of the chain links from shoe to shoe.

2,627,339
CONVEYER
William S. Whiting, Jr., Camden, S. C.
Application May 2, 1950, Serial No. 159,489
2 Claims. (Cl. 198—181)

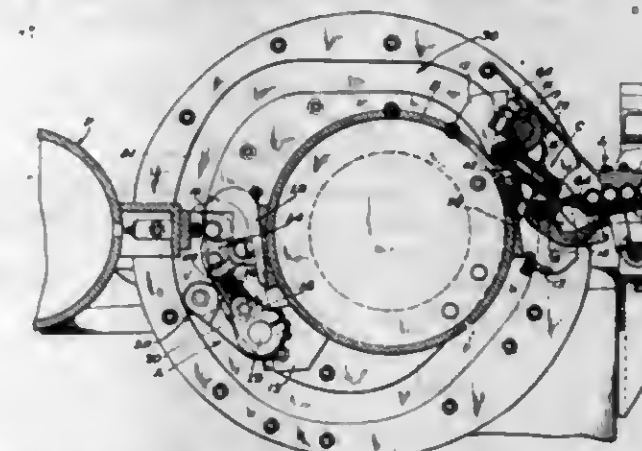


1. In an endless belt conveyor of the type adapted to negotiate a turn in the horizontal plane of the load carrying surface in one direction of turning only, in combination, a conveyor chain, a series of approximately crescent-shaped conveyor flights carried by said chain and articulated for cooperation during movement of the

667 O. G.—9

conveyor about a horizontal turn to provide a substantially continuous uninterrupted load carrying surface, each of said flights comprising a plate having straight parallel side edges and circular-arc forward and rear edges, the respective forward and rear edges of adjacent flights having relative pivotal movement about the center of said arcuate edges, articulated side walls for said conveyor comprising separate sections each carried by one of the straight parallel side edges of the respective flights and having portions extending beyond the said edge into overlapping relationship with the side wall section of the next adjacent flight, the extended portions of the side walls on the inside of the turn overlapping the inner surface of the next adjacent side wall and being provided with an angular inward bend providing a recess in the outer wall of the extension to accommodate the angled edge of said next adjacent wall section when the sections are telescoped on a turn.

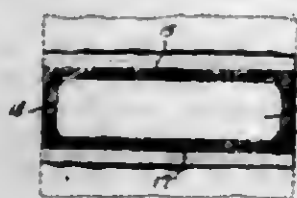
2,627,340
CONVEYER FOR CONDUITS AND SIMILAR ELONGATED ARTICLES
Albert C. Adams, Jackson Heights, N. Y., assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application September 24, 1946, Serial No. 698,924
1 Claim. (Cl. 198—210)



Apparatus for handling elongated metal conduits comprising an elongated horizontal drum rotatable about its axis, means for delivering elongated metal conduits in sequence adjacent to said drum, mechanism associated with said drum for automatically removing the conduits in sequence from said delivery means and discharging said conduits in sequence at another location, said mechanism including a plurality of sets of brackets arranged circumferentially of the drum and attached in fixed position relative to the drum, each said set of brackets including a plurality of brackets spaced lengthwise of the drum and each bracket having a recessed portion in which to receive a conduit disposed lengthwise of said drum, a claw-like member pivotally carried by each bracket to engage a conduit on said delivery means and to clamp a conduit against said brackets, and means for moving said claw-like members into position to engage and pick-up a conduit from the delivery means and then to clamp the conduit against a set of the brackets while the drum is rotated and finally to release and discharge the conduit, said moving means comprising a cam stationary relative to the drum, a separate rotatable shaft carried by each set of brackets, arms connected to said shafts and carrying followers engaging said cam, and links connecting the claw-members of each set of brackets with the adjacent shaft for movement of the claw-members about their pivots.

2,627,341 ASEPTIC PACKAGE WITH STEAM PERMEABLE SEAL

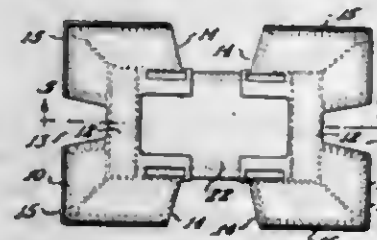
Burton D. Morgan, Fords, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application August 19, 1949, Serial No. 111,118
5 Claims. (Cl. 206-63.2)



1. An aseptic package comprising two sheet portions of material of sufficient density to prevent passage of microorganisms but of sufficient steam permeability to permit passage of steam under heat sterilizing conditions, said sheet portions being disposed in face-to-face contacting relation and sealed to each other around the entire edge of said package to prevent entry of microorganisms into said package, aseptic material enclosed between said sheet portions near the center of said package, a substantial part of said edge seal being formed by densely spaced discrete dots of heat-sealing adhesive material joining together said edge portions of said sheet material to permit escape of gases from within said package during steam sterilization without rupture of said sheets.

2,627,342 DESK TRAY

Ernest Frederick Thomson, Tuckahoe, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio, a corporation of Ohio
Application October 19, 1949, Serial No. 122,207
2 Claims. (Cl. 206-73)



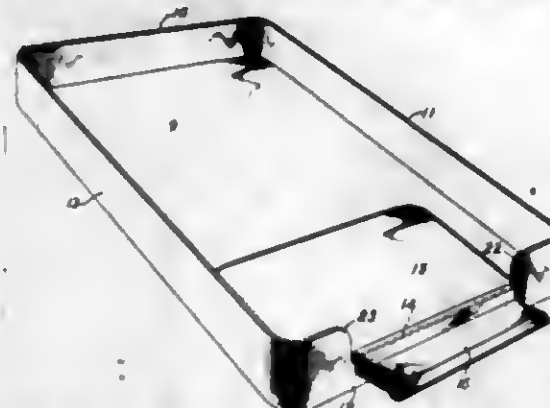
1. A desk tray comprising two substantially identical half portions, each of said half portions having along opposed bottom edges thereof parallel guide rails, a connector portion having channel-like edges slidably engaged with said guide rails of both half portions, said channel-like edges being slotted to define bendable tabs between said slots, certain of said tabs when bent being engageable with one end of said guide rails, and others of said tabs when bent being engageable with the other end of said guide rails, to lock said half portions in a desired position of adjustment.

2,627,343 LETTER TRAY

Richard L. Gallagher, Erie, Pa., assignor to Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y., a corporation of New York
Application November 18, 1948, Serial No. 60,672
4 Claims. (Cl. 206-74)

1. A document tray having a bottom and an opening at the top defined by walls upstanding from substantially the edges of said bottom, one of said walls having a cut away portion on the upper side thereof; means for raising an edge por-

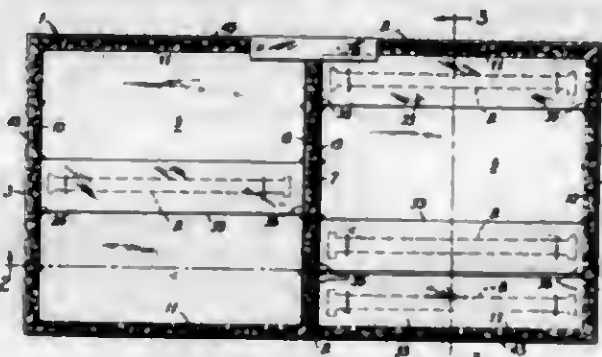
tion of a document in the tray into a position to be grasped by hand for easy removal; such document edge raising means comprising a plate having an extension defining, at its end remote from said plate, an operating lever above the plane of said plate and means intermediate said plate and said lever engageable with the upper edge of the cut away portion of said cut away wall rockably



mounting said document edge raising means with respect to said tray with the plate normally resting flat upon the upper surface of said bottom and said lever disposed outside said tray above the plane of said plate, the weight of said plate being such, relative to said lever, as to ensure that said plate portion rests flat upon the upper surface of said bottom at all times except when pressure is applied to said operating lever for raising said plate.

2,627,344 DISPLAY TRAY

Eugen F. Prestinari, Short Hills, N. J., assignor to Gemex Company, Union, N. J., a corporation of New Jersey
Application December 21, 1950, Serial No. 202,027
5 Claims. (Cl. 206-75)



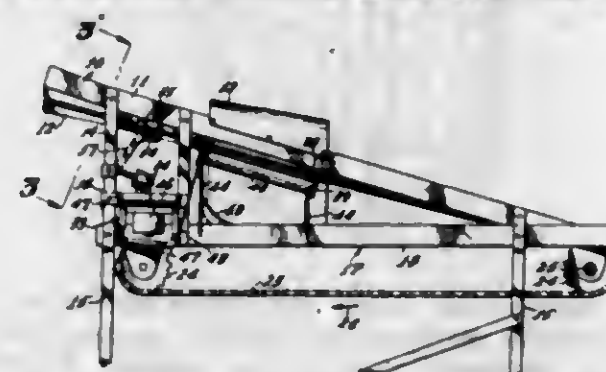
1. A tray for displaying watch bands, bracelets or the like that are mounted on narrow flexible display cards, comprising an open rectangular frame having two opposite frame members spaced apart the length of said display cards, inwardly directed flanges on said opposite frame members, opposed transverse partitions on the bottom sides of said flanges in planes generally at right angles to said opposite frame members and to the planes of said flanges and spaced apart the width of said display cards, a bottom panel of lightweight sheet material fitted in the frame, one face of the bottom panel abutting the partitions, and inwardly projecting members on said frame abutting the other face of the bottom panel and holding it in the frame.

2,627,345 CAN ORIENTING DEVICE

Albert A. Yates, Redondo Beach, Calif.
Application March 7, 1950, Serial No. 148,146
5 Claims. (Cl. 209-72)

1. A device for arranging cans of the type having a sealing bead extending around the one

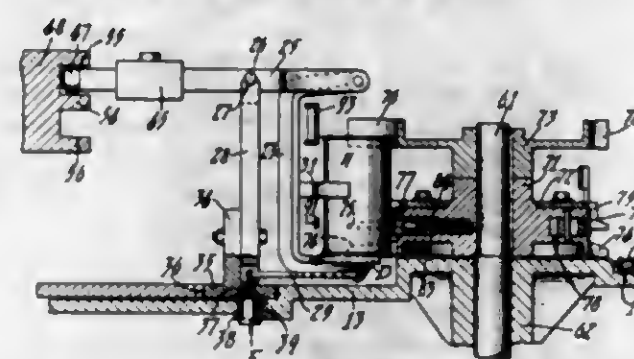
edge thereof for delivery to a discharge station thereon in a preselected constant attitude; a track adapted to receive said cans in a random attitude in an end-to-end relationship for movement therealong; a second track arranged below said first track and leading to said discharge station; said upper track being formed with an opening at the one side thereof intermediate the ends thereof; a gate; means for pivotally mounting said gate for movement into and out of a position closing said opening; means normally urging said gate upwardly into a position closing said opening; normally inoperative means for moving said gate downwardly of said upper track; means carried by said upper track adjacent the opening therein adapted to be engaged and actuated by the bead of each can moving along said upper track



in an attitude other than said preselected attitude for rendering operative said gate moving means, whereby the can moving along said track in said inverted attitude moves onto said gate means as the same is moved downwardly to clear said opening; means fixed relative to said upper track for applying an upwardly directed force to the undersurface of said can as said gate moves downwardly to discharge said can laterally from said upper track; an arcuately extending chute for receiving cans discharged through said opening, said chute inverting said cans as they pass downwardly therein; and guide means carried at the lower end of said chute for delivering the cans passed downwardly in said chute onto said lower track for movement therealong in the preselected attitude.

2,627,346 DISCHARGE DEVICE FOR CAN WEIGHING MACHINES

George M. Stone, Westfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 30, 1950, Serial No. 152,899
8 Claims. (Cl. 209-74)

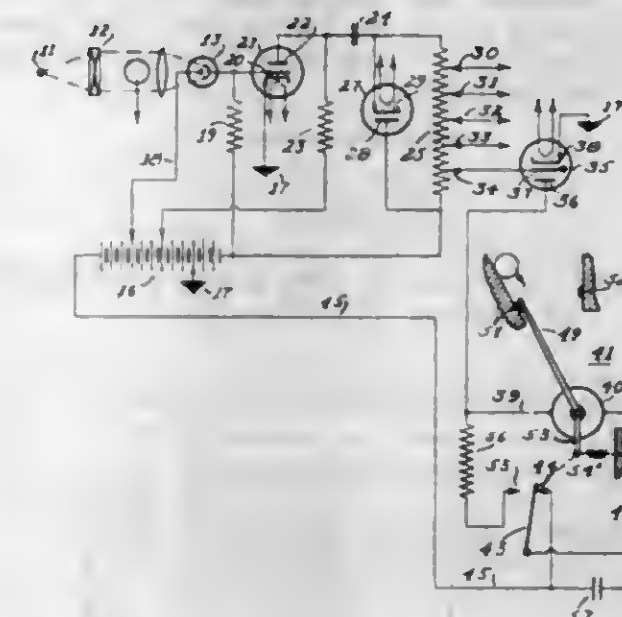


1. In a can weighing and sorting machine, the combination of a scale unit having free vertical movement to assume relative vertical positions at different levels according to the weight of a can received thereon, a rotatable discharge turret disposed adjacent said scale unit for removing the weighed can therefrom at a level determined

by the can weighing level, a plurality of discharge means disposed adjacent said turret and located at different levels for receiving the weighed cans from said turret at their predetermined levels, and a yieldable finger mounted in said turret and having a can supporting shelf projecting therefrom, said finger being moved by cans at the lower weighing level into a non-supporting position but engaging its said shelf under cans at a predetermined level above said lower level for supporting the can at its received level during removal from its scale unit and during passage of the supported can to the discharge means corresponding to the level of the supported can to segregate cans of different weights one from the other.

2,627,347 PHOTOELECTRIC CONTROL CIRCUIT

John B. Powers, Davis, Calif., assignor to The Regents of the University of California, Berkeley, Calif., a corporation of California
Application August 22, 1949, Serial No. 111,718
17 Claims. (Cl. 209-111)



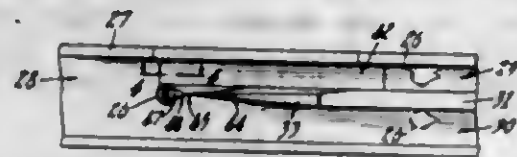
1. An electronic control device comprising a gate member, a motor for moving the gate in one direction between an open and a closed position at time periods of current flow through the motor, a thermionic tube having its output circuit connected to include the motor to establish an operation of the gate in its selected direction of opening and closing to coincide with periods of operativeness of the thermionic tube, an electrical energy storage device, an intermittently operating control circuit for initiating a charging operation of the electric energy storing device under the control of the current flow through the output circuit of said thermionic tube subsequent to the gate operation for regulating the current flow and limiting the operative period of the said tube, means operative subsequent to a cessation of operation of the thermionic tube to return the gate member substantially to its initial position.

2,627,348 CAN WEIGHING MACHINE DIVIDER DEVICE

George M. Stone, Westfield, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 30, 1950, Serial No. 152,900
5 Claims. (Cl. 209-121)

1. In a can weighing machine, the combination of a vertically movable and horizontally advancing scale unit for receiving a can to be weighed,

said unit including a movable follower element, a cam track in which said follower element operates during advancement of said unit, said track having a wide portion permitting free vertical movement of said scale unit during one phase of its advancement to assume a relative vertical position according to the weight of the can on said unit, said track further including parallel narrow portions separated by a dividing rail having a separate longitudinally slidable tapered extension member constituting the forward end of

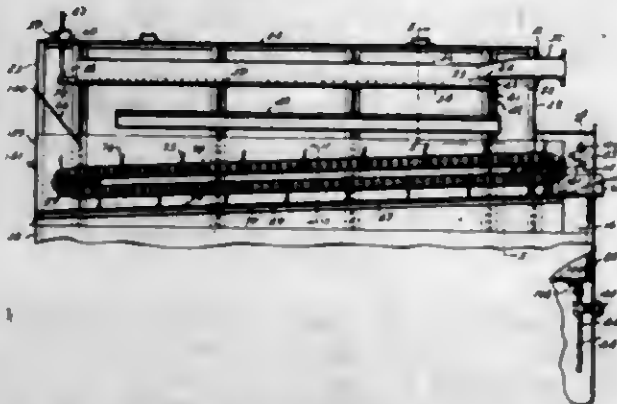


said rail for directing said scale unit into one of two positions within the range of its assumed position during a succeeding phase of its advancement, yieldable means for holding said extension member in longitudinally outwardly spaced relation to said rail, and a positioning instrumentality on said scale unit adjacent said follower element and engageable with the directing forward end of said dividing rail to guide said follower element smoothly into one of said narrow track portions.

2,627,349

STRAINER

Alvin Hock, Cincinnati, Ohio
Application November 7, 1946, Serial No. 708,261
10 Claims. (Cl. 210-151)

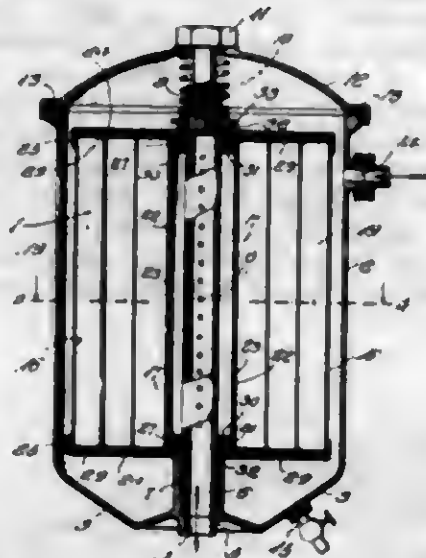


1. In a device for straining liquid from solid materials the combination of a housing constituting at its lower end a tank, a strainer trough within said housing at a point above the tank portion of the housing and said strainer trough having a perforated bottom, means for delivering material to be strained to the strainer trough, means directing the liquid separated from the material by the strainer trough into the housing tank, a second strainer plate within the housing located intermediate the strainer trough and the portion of the housing forming the tank, means for directing the material to be strained from the strainer trough to the second strainer plate, said second strainer plate inclining upwardly to its discharge end, a plurality of pushers carried by the housing above and movable along the upper surface of the second strainer plate engaging and moving the material along and upwardly of the second strainer plate, and means at the upper end of the second strainer plate for retarding the discharge of the material from said second strainer plate, comprising a discharge chute having a bottom hinged at its inner end, and means for adjusting said bottom about its hinge to an upward angle with respect to the second strainer plate.

2,627,350

FILTER CARTRIDGE

John Doane Wicks, Gastonia, N. C., assignor to
Wix Accessories Corporation, Gastonia, N. C.,
a corporation of North Carolina
Application January 12, 1949, Serial No. 70,479
5 Claims. (Cl. 210-169)

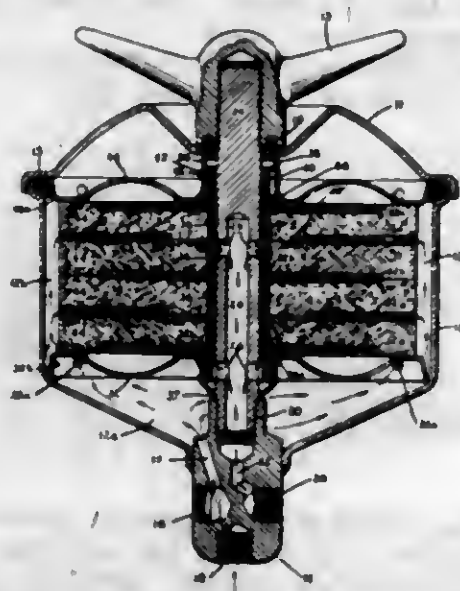


1. A replaceable filter cartridge comprising a stiff vertically disposed perforated center tube, a vertically disposed cylindrical pleated filtering member surrounding said tube and consisting of an elongated web of semirigid filter paper folded to extend back and forth between inner and outer peripheral surfaces of the filtering member and defining pleats extending longitudinally of the filtering member, the folds of the web at the inner surface of the filtering member being disposed in contacting engagement with the tube but unsecured along the length of the tube throughout their length, and a disc at each end of the filtering member permanently adhesively secured to end edges only of the pleats and serving to reinforce and maintain the pleats in their relationship to each other and to the center tube and also serving to provide a fluid tight seal between the end edges of the pleats and the discs.

2,627,351

FILTER

Hubert S. Ogden, Los Angeles, Calif.
Application October 17, 1949, Serial No. 121,767
2 Claims. (Cl. 210-179)



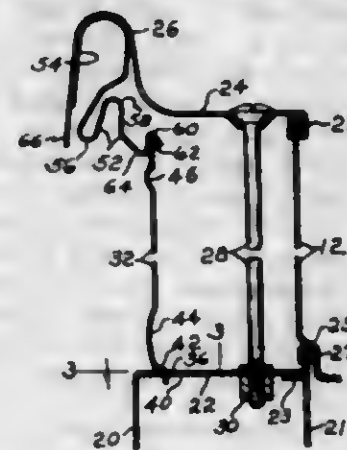
1. As an article of manufacture, a fluid filter unit adapted in use to be positioned within a fluid pressure chamber provided with means to

control the flow of fluid to and from the chamber, said unit comprising an apertured tube having flared open ends, a lintless fabric sleeve enveloping the exterior of said tube between the ends thereof, a plural number of centrally apertured stacked filter pads centrally upon and concentric with said tube, and perforate channeled seepage plates, said channeled seepage plates being centered upon and concentric with said tube and positioned in pairs thereof between said filter pads, there being single seepage plates upon the top surface and upon the bottom surface of a stack of said filter pads, said seepage plates being deformed from a plane surface to a rippled surface comprising a plural number of concave ribs in parallelism thereacross, the seepage plates in pair thereof being so disposed with respect to one another as to define clear channels between said ribs, the channels of certain of said seepage plates extending from the periphery of said filter pads to points interior thereof and others of said seepage plates having channels beginning interior of said filter pads and terminating in coincidence with the central aperture in said filter pads, the seepage plates upon the top and bottom of said filter unit being disposed in a manner coincidental with said others of said seepage plates last mentioned.

2,627,352

PANEL SECURING MECHANISM

William G. Landwier, Fayetteville, N. Y., assignor to
Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application January 28, 1949, Serial No. 72,873
8 Claims. (Cl. 211-71)



1. In a device of the character described, a pair of vertically spaced decks, a supporting structure interposed between said decks and maintaining said decks in spaced and fixed relation, a vertical panel adapted to cover a part of and bear inwardly against said supporting structure, bearing means for supporting said panel upon said lower deck adapted to resist lateral movement, and resilient means interposed between said top deck and said panel, urging the top portion of said panel inwardly and downwardly.

2,627,353

CASKET DISPLAY AND STORAGE APPARATUS

Bernard Magid, New York, N. Y.
Application April 10, 1950, Serial No. 164,931
1 Claim. (Cl. 211-71)

Apparatus for displaying and supporting caskets including an elongated rectangular angle-iron top, a pair of U-shaped angle-iron leg structures each having front and rear leg portions hinged adjacent the opposite ends of said top for swinging inwardly when the structure is to be

collapsed, removable stiffening means extending slantwise from said top to each of said leg portions, a stiffening member connected to the bottom of one of said U-shaped portions and to the

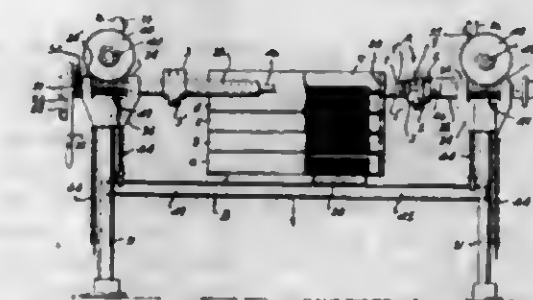


bottom of the other below a lateral edge of said rectangular top, and parallel channels connected to and extending forward from said stiffening member, said channels having flared ends and embodying wheel-retaining depressions.

2,627,354

AUXILIARY TRAY SUPPORTING DEVICE

John J. Isella, North Haven, and Philip F. Pabst, New Haven, Conn.
Application April 28, 1950, Serial No. 158,628
7 Claims. (Cl. 214-6)



2. In a combination with a tray supporting and stacking apparatus designed for association with a printing press and comprising a framework having a movable tray supporting platform with means for lowering and elevating the platform, of an auxiliary tray supporting device designed to support a tray when the tray loaded platform of the apparatus is removed and replaced, said device including a pair of spaced side frame members positioned outside of the vertical plane of movement of said platform and connected to the apparatus framework, a pair of tray supporting bars positioned between said side frame members designed to support a tray in position to receive printed sheets as discharged from the press, each of said bars having a horizontal tray supporting leg and a vertical leg, adjustable means operatively connected to the vertical leg of each of said bars and the adjacent side frame member supporting the bar for movement in a horizontal plane, pneumatic means for horizontally manipulating said tray supported bars in unison to move said bars towards each other into tray supporting position and to retract said bars out of tray supporting position to thereby permit the tray to pass downwardly between said bars when said platform has been elevated to support the tray, and resilient buffers associated with each of said side frame members for cushioning the inward movement and the retracting movement of each of said tray supporting bars.

2,627,355

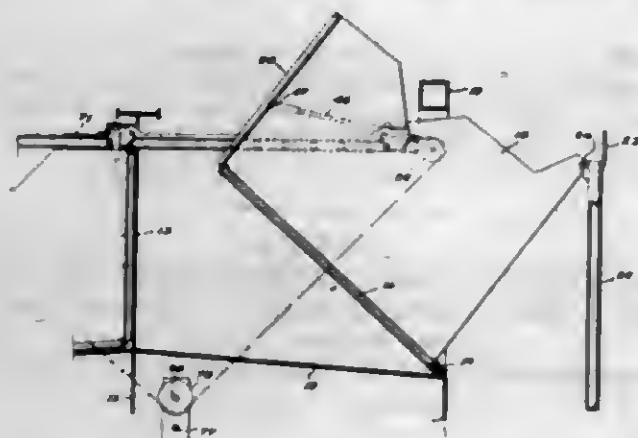
CARGO CARRIER

Gordon Munro, Boston, Mass., assignor to Murray & Tregurtha, Inc., Quincy, Mass., a corporation of Massachusetts

Application July 12, 1947, Serial No. 760,533
12 Claims. (Cl. 214-15)

1. A cargo carrier comprising a base, vertical cross frames forming a compartment having an

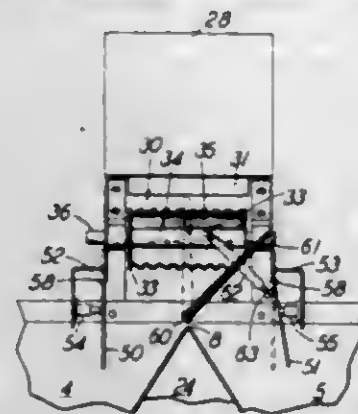
open side, a tiltable cradle also having an open side fitted into the compartment with its open side in register with the open side of said compartment, said cradle being pivoted to said base for tilting movement about a horizontal axis extending along the bottom of the open side of the cradle, a pair of trackways supported on said vertical frames one at each end of but substantially above and normal to said axis, a roller on each trackway, a strap pivotally connected to each roller, extending downwardly from each



roller and pivotally connected to said cradle at a point on the opposite side of the center of gravity of the cradle from said axis, said straps being of such length as to tilt the cradle about said axis as said rollers are moved along said trackways from positions remote from said axis towards said axis, and power means adapted to be connected to said rollers for moving said rollers from a position remote from said axis toward said axis to tilt said cradle about said axis to discharge a load carried in said cradle overside said carrier.

2,627,356

SAND FLOW CONTROL MECHANISM
Millard J. Bell, Grand Rapids, Mich., assignor to Newaygo Engineering Company, Newaygo, Mich., a corporation of Michigan
Application March 14, 1951, Serial No. 215,559
3 Claims. (Cl. 214-16)

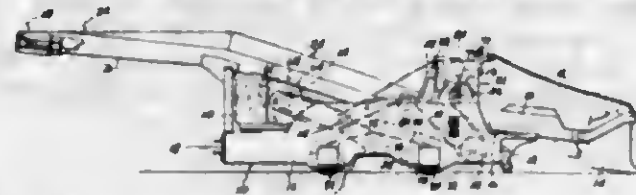


1. In a foundry sand dispenser, a frame and a pair of hoppers mounted thereon, said hoppers arranged in side by side relationship and having at their upper end a common wall, a housing, conveyor means within said housing centered about said common wall for discharging sand into both of said hoppers simultaneously in substantially equal quantities, a prime mover for driving said conveyor means, the improvement in said sand dispenser comprising: an upwardly projecting panel pivotally mounted at its lower end to said frame parallel to and closely adjacent said common wall of said hoppers; a depending flap projecting into each of said hoppers; means for pivotally mounting the upper end of each of said flaps to said housing; an arm extending outward-

ly from each side of said panel; means for mounting an electrical switch adjacent each of said flaps on the side thereof remote from said common wall, each of said switches normally closing an electrical circuit; means for alternately pivoting said panel toward each of said flaps and urging one of said flaps against the adjacent of said switches for opening the electrical circuit; the other of said flaps adapted to being urged against the other of said switches when the hopper into which said other flap depends is full; said switches arranged in parallel in the circuit for said prime mover whereby said prime mover will be stopped when both of said switches are open.

2,627,357

MUCKING MACHINE
Anthony R. Biedess, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 3, 1950, Serial No. 147,490
5 Claims. (Cl. 214-90)



1. In a mucking machine, a main frame having a dipper pivotally mounted for vertical dumping movement at its front end, hoisting means for said dipper on the front end of said frame, an elevating conveyor including an endless belt mounted on said frame and arranged to receive material from said dipper at a relatively low level at the front of said frame and to carry it for discharge at a relatively high level at the rear of said frame, said conveyor having a belt-supporting section at its front end mounted for yielding vertical movement relative to said frame and having a drive pulley for said belt journaled at the front end thereof, power means on said frame below said conveyor, and drive connections from said power means to said belt drive pulley including a drive chain moving in an orbital path in a vertical plane at one side of said conveyor, and extending generally in alignment with said front belt supporting section.

2,627,358
BOX

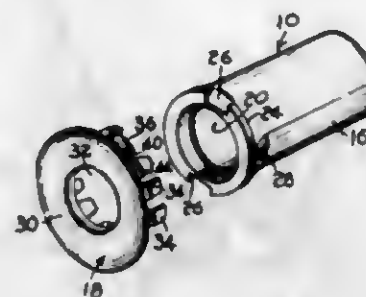
Fermin Antonio Ponti, Buenos Aires, Argentina
Application May 5, 1947, Serial No. 746,040
1 Claim. (Cl. 217-43)



A box comprising a composite main frame consisting of a pair of end members each with a corner bar at each end of and projecting beyond each side of the member and a pair of side members each with a corner bar at each end of and projecting beyond each side of the member, each corner bar having a triangular cross section, and top and bottom sections each fitting over the projecting ends of the corner bars to form a complete box with the end and side members, each corner of the box having a pair of said bars in substantially face contacting relation which together project into the top and bottom sections and form solid corners.

2,627,359
HOUSING FOR ELECTRIC SWITCHES AND THE LIKE

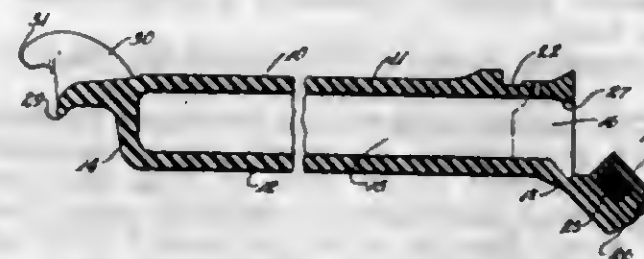
Clement A. Woodward, Wellesley, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 26, 1949, Serial No. 95,450
5 Claims. (Cl. 220-3.5)



2. A housing assembly for switches and the like which is adapted to snap into engagement with a supporting panel through an opening therein, said assembly comprising a body member and a cap member, said body member being substantially cylindrical and having an outwardly extending flange portion at one end thereof, said flange portion having a pair of recessed passages extending therethrough at opposite points on the periphery of said flange portion, said cap member comprising a base and a plurality of support-engaging resilient attaching legs spaced about the periphery of said base and extending from one side of said base substantially normal thereto to provide a substantially cylindrical outline and to receive the body member and the outwardly extending flange portion centrally thereof, a pair of oppositely disposed legs being curled radially inwardly and downwardly to provide rounded ends thereon and radially inwardly extending shoulder portions thereon which extend within said substantially cylindrical outline, said pair of legs being shaped and arranged to ride over the flange portion through said recessed passages when the cap member is assembled onto the body member and to lock into engagement behind the outwardly extending flange portion when the cap member is on the body member, the other legs having radially outwardly extending shoulder portions for snap fastener engagement with the supporting panel when the housing is assembled in an opening therein.

2,627,360

HOLLOW ARTICLE
Herbert H. Fink and Willard E. Fahig, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 1, 1949, Serial No. 84,808
2 Claims. (Cl. 220-24)

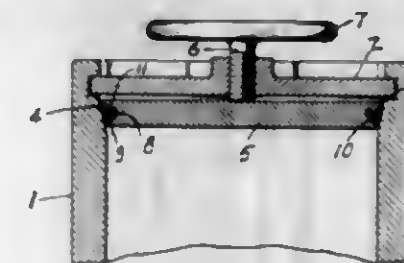


1. A one piece lid for a freezer cabinet, said lid comprising a hollow body of resilient material

having spaced apart top and bottom walls, side walls connecting said top and bottom walls, a closure member integrally attached to said bottom wall directly adjacent and entirely across an opening between said side walls and said top and bottom walls by a pliable hinge connection, said closure member being adapted to close said opening by movement about its hinge connection, and means for securing the margin of said top wall to said closure member when said member is seated in said opening, said securing means including a metal plate for seating upon said top wall and screws extending through said plate and a margin of said top wall and secured in said closure member, the hinging of said closure member to the bottom wall providing for stiffening of said bottom wall entirely thereacross.

2,627,361

PRESSURE VESSEL CLOSURE SEAL
Frederick K. Zerbe, Houston, Tex., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application September 12, 1949, Serial No. 115,244
2 Claims. (Cl. 220-46)



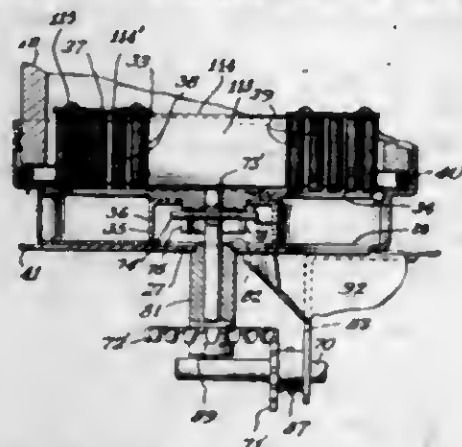
2. A quick opening closure for a pressure vessel having an outwardly tapered inner wall near the end thereof, a closure plate fitting within the end of said vessel and having a periphery tapered generally complementary to said vessel wall and radially spaced from the vessel wall with an annular groove extending circumferentially in the periphery of said cover, a generally round pliable gasket extending in said groove circumferentially of said closure plate and in engagement with the tapered wall of the vessel with said gasket being exposed to the fluid contained in the vessel through the space provided between the wall of the vessel and the periphery of the closure plate, and an annular projection extending axially of the vessel from the outermost wall of the groove toward the interior of the vessel and lying within said groove in engagement with said gasket to distort the gasket and force the latter against the tapered surface of the vessel wall as pressure from the contained fluid tends to force the gasket axially outwardly of the vessel, and means for holding the closure plate within the end of the vessel.

2,627,362

VENDING MACHINE
Charles S. Balaz, Morris, Ill., assignor to The Northwestern Corporation, Morris, Ill.
Application December 28, 1948, Serial No. 67,650
13 Claims. (Cl. 222-2)

1. In a coin-controlled vending machine comprising a pedestal containing actuating means and a dispensing chute and having a separable merchandise storage cartridge mounted in said pedestal, a locking device positioned within said pedestal and adapted to cooperate with said cartridge to retain the same within said pedestal,

said locking device comprising a lever and a pair of retaining rods adapted for reciprocation



by said lever into and out of locking engagement with said cartridge.

2,627,363

DISPENSER FOR LIQUIDS AND PULVERULENT MATERIALS

David Brody, Clinton, Mass., assignor to Van Brode Milling Co., Inc., Clinton, Mass., a corporation of Massachusetts

Application May 24, 1951, Serial No. 228,035

1 Claim. (Cl. 222—183)



A dispenser comprising a rigid housing including a base, a casing rising therefrom composed of a vertical front and a wall extending rearwardly from said front all around the perimeter of the latter, said wall having a recess at its top portion running from the open rear end of said casing toward said front, a closed, resilient compressible receptacle fitted into said casing from the rear thereof, said receptacle including a front side, a rear side and a wall connecting said sides, the configuration of said sides corresponding to that of the front of said casing and the outer face of said receptacle wall fitting closely the inner surface of said casing wall whereby said receptacle is retained by friction in said casing, a neck on the top region of said receptacle wall fitting the recess in said casing wall, a closure disk attached to said neck having a discharge opening, a spray tube fixed to said closure disk around its discharge opening extending therefrom toward the bottom of said receptacle but stopping short thereof, and a flange on the rear side of said receptacle arranged in the plane of said rear side and serving as the means whereby said receptacle may be grasped by the fingers of the user in assembling said receptacle with said housing.

2,627,364

FERTILIZER AND LIME SPREADER

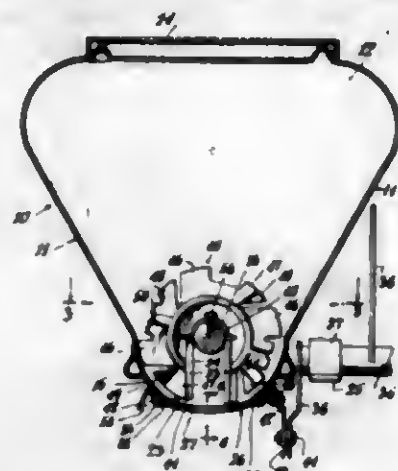
Norman I. Schaffer, New York, and Norman Lesk, Laurelton, N. Y., assignors to Mount Vernon Implement Co., Inc., Mount Vernon, N. Y., a corporation of New York

Application April 30, 1949, Serial No. 90,656

4 Claims. (Cl. 222—267)

1. In apparatus of the class described, the combination of an elongated hopper, a shaft mounted

for rotation longitudinally in said hopper, discs spaced on said shaft, said hopper having a generally semi-cylindrical bottom extending upwardly to the approximate level of the center of said shaft and provided with a flattened trough



2,627,365

CREAM BOX

Josef Gabler, Zurich, Switzerland

Application February 25, 1948, Serial No. 10,869

4 Claims. (Cl. 222—326)



2. A container for pasty substances comprising an outer container, an interchangeable inner container having a threaded inner wall, a piston for extruding the contents of said inner container and means for changing the position of said piston in the inner container comprising screw threads on the periphery of said piston engaging the screw threads on the inner periphery of said inner container, and a coil spring drivingly engaged between said piston and a part of said outer container for causing relative rotation of said piston and said inner container, said spring being of flat cross section and having its turns wound in a spiral so that upon complete compression of said spring its turns lie in a single plane.

2,627,366

LIQUID LEVEL REGULATING APPARATUS

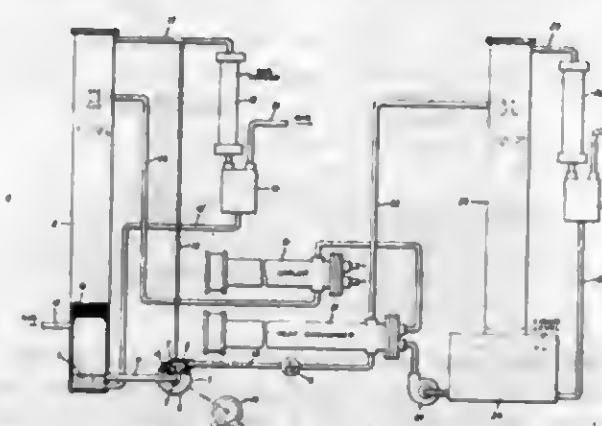
Sylvan G. Gluck, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 17, 1947, Serial No. 755,207

5 Claims. (Cl. 222—372)

1. The combination with a container to which a liquid is supplied, of means for maintaining a predetermined liquid level in said container comprising a horizontally disposed centrifugal liquid pump having inlet and outlet openings, a substantially horizontal pipe connecting said inlet opening to said container in such position that the upper wall of said pipe is above said liquid level and the lower wall of said pipe is

below said liquid level, and a motor for driving said pump continuously thereby to pump liquid from said container until the level of the liquid is lowered to said predetermined level partly un-



covering the end of said pipe to admit gas to said pump and stop the pumping of liquid until the level of the liquid rises sufficiently to prime the pump whereupon the pumping of liquid is resumed.

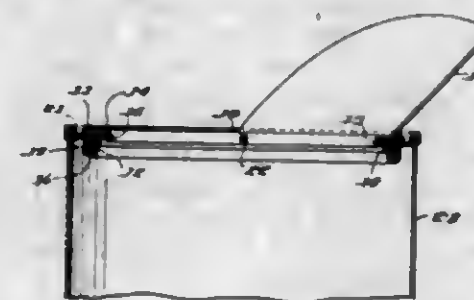
2,627,367

DETACHABLE CAN SPOUT

William F. Bork, San Diego, Calif.

Application December 6, 1950, Serial No. 199,528

2 Claims. (Cl. 222—570)



1. In a can spout for attachment to a can having a top provided with an opening having a circular upwardly facing U-shaped groove at the periphery thereof, a U-shaped circular flange snugly seated in said groove and including an outer leg and an inner leg arranged in spaced parallel relation with respect to each other, said outer leg extending above the inner leg, the upper end of said inner leg terminating in a transverse portion, said transverse portion terminating in a downwardly extending angularly arranged lip of double thickness, a flat section extending from said lip and overlying the inner leg and abutting the outer of said legs, said outer leg being turned downwardly upon itself to provide a bead, the lower portion of which rests upon the top of the can, said U-shaped flange extending for approximately one-half the circumference of the opening, said flange having a spout portion extending therefrom.

2,627,368

GARMENT SHOULDER PADS, METHOD AND MACHINE FOR MAKING SAME

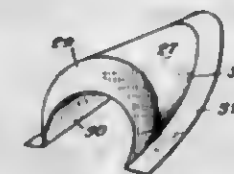
William Lloyd Jantzen, White Plains, N. Y., assignor, by mesne assignments, to Robert Weber, New York, N. Y.

Application April 17, 1947, Serial No. 742,012

16 Claims. (Cl. 223—57)

4. In an apparatus for producing shoulder pad fillers, a mold assembled in a machine and adapted to have predetermined movements therein, said mold having a portion of a free sur-

face thereof concaved to varied depths, an integral blank of uniform thickness of cuttable filler material placed against said free surface, a pressure element also assembled for engaging said blank and pressing it into the concave configuration of said mold, and a cutter for cutting said



blank as so deformed when there is relative movement between said cutter and the so assembled mold and pressure element, the line of cutting being along said free surface of said mold and between it and said pressure element to thus form an integral shoulder pad filler of varying thickness.

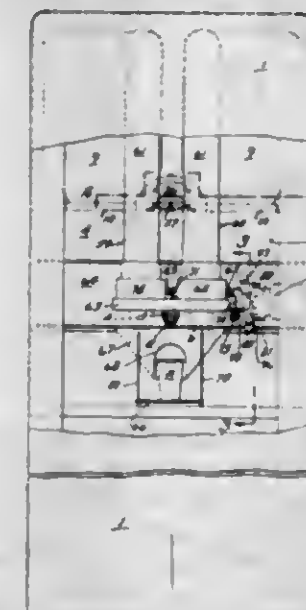
2,627,369

COIN-CONTROLLED BEVERAGE DISPENSING APPARATUS

Ernest J. St. Laurence, Minneapolis, Minn.

Application October 15, 1949, Serial No. 121,571

4 Claims. (Cl. 225—21)



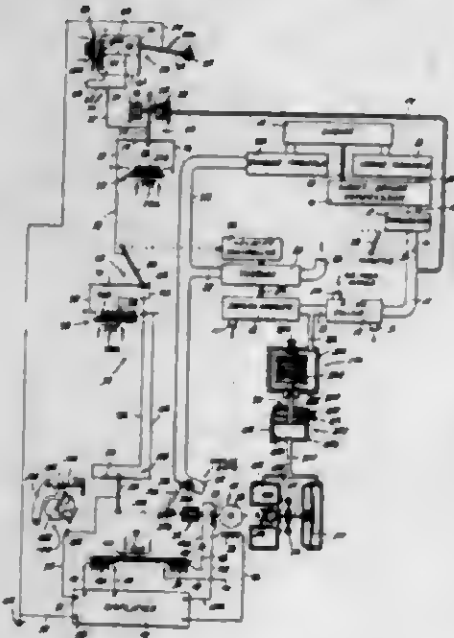
1. In a drink-vending machine, a supply reservoir, a normally-closed valve controlling discharge of liquid from said reservoir, valve-operating mechanism comprising an electric motor, valve-operating linkage interposed between the motor and valve for opening and closing the valve once for each operating period of the motor, said operating linkage comprising first and second reciprocatory members, operating connections between the first reciprocatory member and the motor imparting a definite cycle of advance and return movement through a field of predetermined length for each cycle of operation of the motor, operating connections between the second reciprocatory member and valve, yielding means biasing the second reciprocatory member and valve to move in a valve-closed direction, an electromagnetically-closed self-releasing latch normally locking said reciprocatory members together for substantially common movements, means including a primary control switch for simultaneously energizing the valve-operating motor and the electromagnetically closed latch to initiate drink-dispensing periods, and switch means under control of said valve-operating motor for simultaneously deen-

energizing the motor and electromagnetically-closed latch to terminate drink-dispensing periods, whereby in the event of deenergization of the valve-operating motor during a drink-dispensing period, the said latch means will be released allowing the second reciprocatory member and valve to move to closed positions under the influence of said yielding means and independently of the motor and first reciprocatory member.

2,627,370

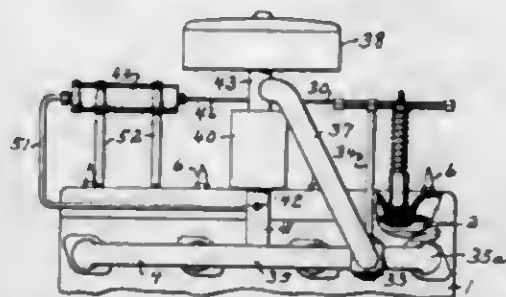
COMBUSTION ENGINE PRESSURE CONTROL APPARATUS

Stephen Crum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 29, 1946, Serial No. 658,360
4 Claims. (Cl. 230-5)



1. Apparatus for use with an engine having a combustion chamber and a compressor for supplying air under compression thereto, comprising, in combination, a movable device for controlling the compressing effect of the compressor, a first motor having a housing and including a drive means operatively connected to said device for positioning said device, means responsive to a pressure condition of the air supplied connected in controlling relation to said first motor to maintain said pressure condition at a predetermined value, an air motor operatively related to said drive means for positioning said device in a direction to decrease the compressing effect of the compressor in the event the first motor becomes inoperative, means including a valve for admitting air from the compressor to said air motor to cause operation of the same to thereby decrease the compressing effect of said compressor, and resilient stop means including a portion connected to said drive means and a second portion attached to said housing, said stop means portions being engageable with each other when said device is moved to a first predetermined pressure controlling position, one of said portions comprising spring bias means deflectable by the driving force of the air motor to such a point as to permit positioning said device by said air motor to a predetermined lower pressure controlling position, said deflectable portion having sufficient power to reposition said device to said first predetermined pressure controlling position when said air motor is inoperative.

2,627,371
ENGINE COMPRESSOR CONTROL
Antonio Bernal, Sante Fe, Argentina
Application July 15, 1947, Serial No. 761,058
4 Claims. (Cl. 230-41)

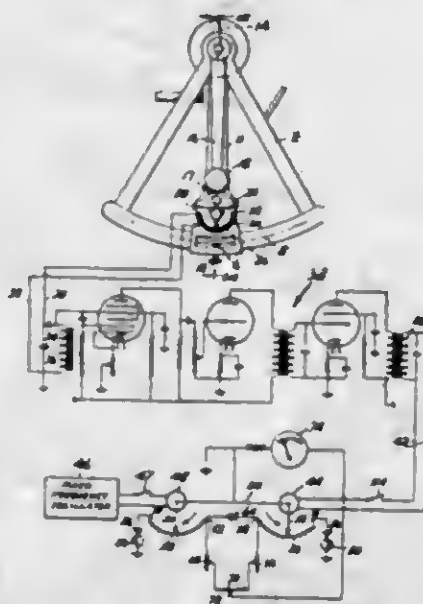


1. Mechanism for converting at least one engine cylinder of an internal combustion engine having a carburettor and an intake manifold for use as an air compressor comprising in combination, a compressed air delivery duct communicating with the interior of the engine cylinder to be converted, a check valve in said duct, a cylinder valve adjacent the cylinder and duct for opening or closing communication with the duct and cylinder, a fresh air intake, a two-way valve arranged in the manifold to connect the cylinder to be converted alternatively to the carburettor for power operation or to the fresh air intake with shut-off from the carburettor for compressor operation, mechanical connections for simultaneously operating the two-way valve and the cylinder valve so that when the cylinder valve is open the two-way valve admits air to the conversion cylinder only from the fresh air intake and when the cylinder valve is closed the two-way valve admits fuel mixture through the carburettor and intake manifold to said cylinder, and automatic means connected to the mechanical connections and the intake manifold responsive to fuel demand to convert the cylinder from a compressor to power operation when the load of the engine increases.

2,627,372

AVERAGING DEVICE

Joseph Raxek, Llanerch, Pa., assignor, by mesne assignments, to Cochrane Corporation, a corporation of Pennsylvania
Application March 24, 1944, Serial No. 527,886
7 Claims. (Cl. 235-61)



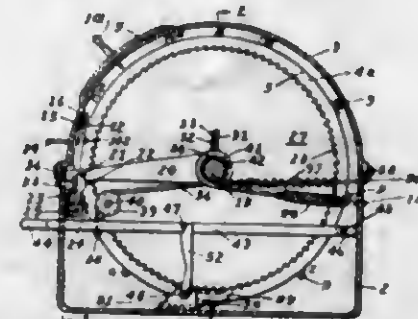
1. Means for indicating a continuously accumulated average of a quantity varying with time comprising a pair of electrical oscillators, one of which generates a constant frequency current

and the other of which generates a current having a frequency varying with the departure of the quantity being measured from a predetermined value, synchronous motors driven by said respective currents, and an electrical bridge circuit having impedances varied by said motors to provide an electrical current which is a function of the ratio of the accumulated displacements of said motors.

2,627,373

PRECALCULATION SELECTOR

Jones B. Edwards, Charlotte, N. C.
Application June 8, 1949, Serial No. 97,740
14 Claims. (Cl. 235-87)



2. In a selector of the character described, a case having a plurality of apertures therein, an index plate having a plurality of position-holes therein mounted on said case, an index of suitable characters mounted on said index plate and having holes therein registering with the said position-holes of said index plate, movable means mounted within said case and having a plurality of fixed stops disposed thereon, a table of suitable characters mounted on said movable means and having holes therein through which the said fixed stops on said movable means extend, said index plate position-holes and the characters on said index being disposed in columns vertical to the axis of said movable means, whereby the said position-holes and the said characters in a column are correlative to a common said fixed stop on said movable means, said movable means being so mounted that the surface thereof is in a plane adjacent to and normally beneath said index plate, the said index plate normally being so mounted as not to extend beyond the ends of said movable means, and key-stop means adapted to be operative in the position-holes of said index plate, whereby a key-stop means operated in a said index plate position-hole will project into the path of a related said fixed stop on said movable means limiting the movement of said movable means to a precise predetermined position and thus exposing to view through the apertures in said case the predetermined and selected characters of said table occupying said precise predetermined position on said movable means the said fixed stop engaged by a said operated key-stop means and the primary position of said movable means selected thereby being determined by the column of said index plate in which said key-stop means is operated, and the secondary position of said movable means being determined by the position said operated key-stop means occupies between the vertical extremes of said column.

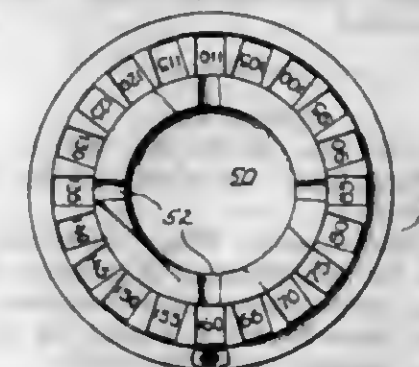
2,627,374

GAME SCORING DEVICE AND ASH TRAY

Raymond G. Mulder, Chicago, Ill.
Application April 6, 1950, Serial No. 154,385
3 Claims. (Cl. 235-118)

1. A game scoring device comprising a base, a shaft mounted thereon, means to mount said

shaft on said base, an annular ring mounted on said shaft, a means on said shaft to retain said annular ring in juxtaposition between said base and about said shaft, game indicia spaced about the periphery of said ring, a recess within a sec-

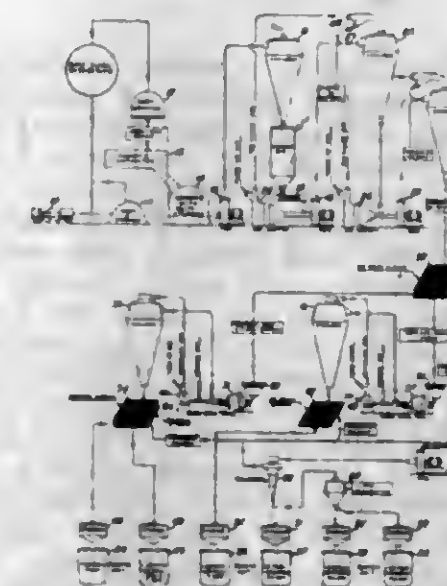


tion of the edge of said base, an indicia bearing wheel mounted within said recess and a means to retain said wheel in juxtaposition within said recess, whereby a portion of said wheel will be visible through opening of said recess.

2,627,375

SEPARATION OF BARK COMPONENTS

Bror L. Grondal, Seattle, and Calvin L. Dickinson, Longview, Wash., assignors to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
Application January 5, 1946, Serial No. 572
14 Claims. (Cl. 241-14)

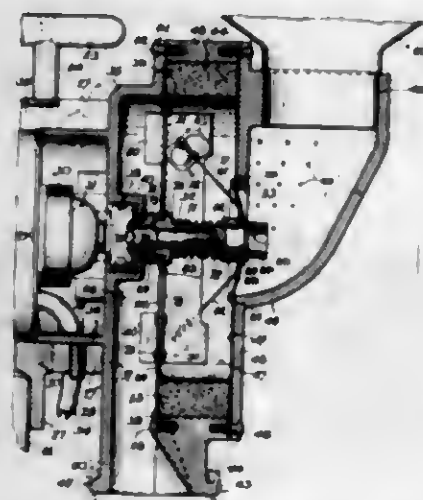


4. The method of treating bark containing cork, fiber, and phloem constituents for the production of cork, fiber, and powder residue products therefrom, which comprises grinding bark having a moisture content of a value to promote comminution to an aggregate of bark matrices of not to exceed a predetermined size and consisting essentially of the several constituents of the whole bark, and providing an aggregate of bark matrices of not to exceed said predetermined size, adjusting the moisture content of the bark matrices to a value at which, in subsequent comminuting actions, a cleavage is effected between the several constituents of the bark disuniting fiber aggregates, cork and the non-fibrous portion of the phloem, segregating the ground bark according to size into a coarse first fraction comprising primarily cork and fiber aggregates, and a second fraction of smaller particle size comprising primarily fiber content, and subjecting said fractions to separate comminuting actions wherein the particles of said fractions are differentially pulverized to reduce to powder

the non-fibrous portion of the phloem and to reduce the fiber aggregates to ultimate fibers without substantial comminution of the cork particles and individual fibers, for promoting selective segregation of the cork, ultimate fibers and a powder residue containing the non-fibrous phloem component.

2,627,376
ATTRITION-TYPE FLOUR MILL WITH CENTRIFUGALLY CONTROLLED FEEDING MEANS

Royal Lee, Elm Grove, Wis., assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis., a corporation of Wisconsin
Application June 29, 1949, Serial No. 101,957
4 Claims. (Cl. 241—35)



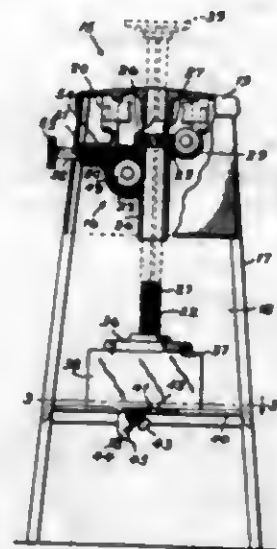
2. In a grinding mill, a stator having an annular circumferential portion of generally cylindrical shape with an inner abrasive surface and further having an end wall with a central feed opening for granular material to be ground, a rotor in said stator having a disk axially spaced from said end wall and forming with said stator a grinding chamber, said stator having therein a circular opening within which the periphery of said disk loosely fits to form an annular discharge orifice for passage of pulverized material, fanning means in said grinding chamber carried by said rotor for impelling the granular material around said abrasive surface, a centrifugally controlled closure member for said feed opening carried by said rotor and axially movable to vary the feed of granular material into the grinding chamber, and spring means carried by said rotor for urging said closure member toward closed position.

2,627,377
SHAVING APPARATUS FOR ROTATING ICE BLOCKS

Dennis H. Fletcher, Magrath, Alberta, Canada
Application November 4, 1949, Serial No. 125,638
2 Claims. (Cl. 241—84)

1. In a rotary ice block shaving apparatus for shaving ice from a block of ice such as an ice cube, a supporting structure having an apertured front, a top cap on said supporting structure, an externally threaded drive shaft mounted through an opening in said top cap on a substantially vertical axis to be rotatable and axially endwise movable, said shaft having a spline slot along one side, a drive gear endwise slidably fitted on said drive shaft and provided with a spline slidable in said spline slot, power means to rotate said drive gear, a substantially flat ice supporting platform mounted on the supporting structure in substan-

tially horizontal relationship to be accessible through the apertured front of the supporting structure for placement of a block of ice, an ice engaging and holding disc fixed on the lower end of the drive shaft, an ice shaving knife carried by said ice supporting platform in substantially radial disposition with respect to the drive shaft,



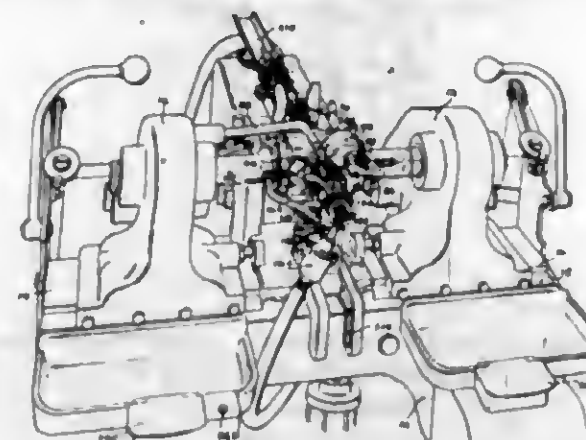
a feed gear mounted rotatably on the supporting structure with the teeth thereof in racking engagement with the screw threaded outer surface of the drive shaft, means to rotate said feed gear, and means to lock said feed gear fixedly to cause endwise feed of the threaded drive shaft as said drive shaft is rotated.

2,627,378
METHOD FOR SECURING A TENSIONED WIRE AROUND CORES
Philip R. Hirsh, Montclair, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application June 16, 1949, Serial No. 99,460
2 Claims. (Cl. 242—11)



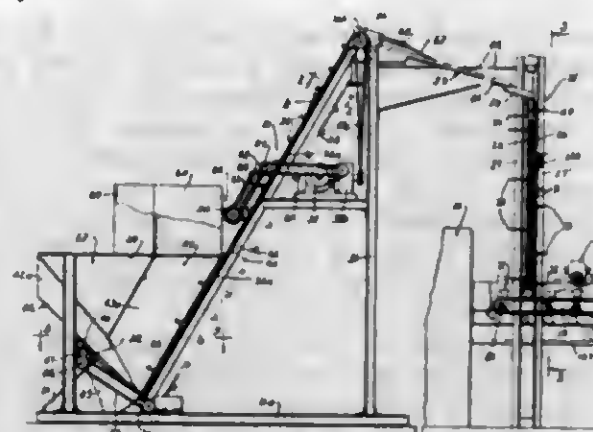
1. In a method for securing a tensioned wire around a core, the steps comprising passing several turns of a wire around a core to form a snubbing, fastening the end of the wire and a portion of the wire between the end and the snubbing turns, respectively, to a portion of the machine by which the core is rotated and to a loose plate of metal, stabilizing the loose plate against the core by tensioning a loop of the wire forward of the fastening to the plate and rearward of the snubbing turns, relatively rotating and translating the core and the tensioned loop of wire and thereby winding the wire about the core and over a second plate located against the core in advance of the snubbing turns, and fastening the wire to the second plate before relieving the tension in the wire.

2,627,379
AUTOMATIC ARMATURE WINDING MACHINE
Harry W. Moore, Dayton, Ohio
Application February 1, 1949, Serial No. 73,927
11 Claims. (Cl. 242—13)



11. A coil winding machine for winding a slotted armature, said coil winding machine including means for holding the slotted armature in winding position, means for laying the wire used in forming the windings in the slots of the armature, means for causing a relative rotary movement between the means for holding the armature and the means for laying the wire to cause the wire to be laid into the slots to form the armature windings, a pawl member, and means driven in synchronism with the means for laying the wire for effecting a relative movement between the wire laying means and the pawl member so as to cause the path of the wire to overlap the pawl member to form a loop.

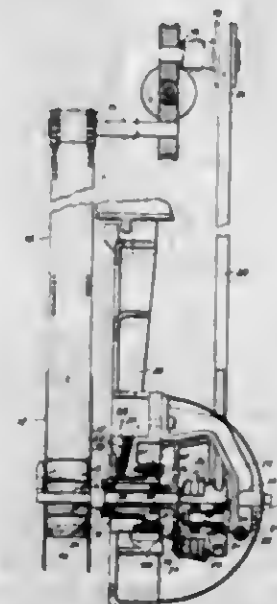
2,627,380
BOBBIN WINDING MACHINE AND BOBBIN SUPPLY MEANS THEREFOR
Burt A. Peterson, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application July 19, 1947, Serial No. 762,146
26 Claims. (Cl. 242—32)



1. In a bobbin winding machine having a series of uniformly spaced winding units and a cycling mechanism controlling the operation of the machine so as to cause it to operate in successive cycles to wind a group of bobbins simultaneously in each such cycle, means for delivering empty bobbins to the respective winding units including a transport conveyor having a series of receptacles spaced apart according to the spacing of said units and operative to deliver empty bobbins into positions adjacent said winding units, an empty bobbin magazine common to said units for storing a stack of empty bobbins one above the other, escapement means acting in the operation of the

transport conveyor to release bobbins from the magazine into said receptacles successively, means operative under the control of said cycling mechanism to effect the advance of the transport conveyor during each winding cycle, means acting to interrupt such advance of the conveyor upon the delivery of a predetermined number of bobbins into positions adjacent the respective winding units, and bobbin replenishing mechanism including a supply conveyor having a drive means and a control means for starting and stopping the same, said control means including a feeler responsive to the accumulation of a predetermined supply of bobbins in the magazine to interrupt the operation of said drive means and to stop the same when a predetermined supply of bobbins has accumulated in the magazine.

2,627,381
WINDING TAKE-UP MECHANISM
Willy Borberg, North White Plains, N. Y., assignor to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware
Application August 9, 1949, Serial No. 109,265
14 Claims. (Cl. 242—55)

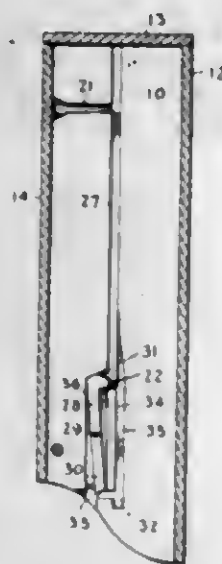


1. In a gravity-controlled coil winding mechanism, the combination of a supporting shaft; a conical friction drive cone on the supporting shaft and driven at a uniform speed; a driven shaft in eccentric relation with the longitudinal axis of the drive cone; an internal friction cone on the driven shaft, the inner perimeter of the driven cone engaging the driving cone; a material-receiving member connected with the driven shaft and to which member the material is fed at a constant linear speed, the contact surfaces between the drive and driven cones effective to absorb through frictional slippage, the speed differences developed by the increasing coil diameter on the receiving member, a fulcrumed bearing means to support the driven shaft for rotation; fulcrum pins at substantially right angles to the gravity component to pivotally support the bearing means and driven shaft for rocking movement; and means to rotatably adjust the fulcrumed bearing means and its fulcrum pins to regulate the effect of gravity on the fulcrumed driven shaft and its cone.

2,627,382
TOILET PAPER ROLL HOLDER
Boyd T. Borton, Riviera Beach, Fla.
Application May 28, 1951, Serial No. 228,737
1 Claim. (Cl. 242—55.3)

A holder for toilet paper rolls which comprises a vertically elongated box-like container

having slots on the interior of opposing faces including substantially horizontal introduction slots, downwardly extending slots communicating therewith, a stop for holding a roll of such toilet paper on a roller in a position above the delivery position, where it can allow delivery from a roll in a lower position, and means for holding another roll in such delivery position in which paper can be removed from said last mentioned roll, and a slot providing an exit means for the empty roller tube and stick, for removing the latter from the holder when its paper on the roll in said delivery position has been used up, a pivoted trigger mechanism located within each of said downwardly extending slots, said trigger mechanism extending vertically from close to said rest position to close to said delivery position,



tion, the lower ends of said trigger mechanism being located directly in the path of removal of said empty roller from said delivery position to the outside, and the upper ends of said trigger mechanisms being located in front of and at the level of said rest position, flexible springs normally holding the ends of said roller against the upper ends of said trigger mechanisms, said springs being back of said rest position and the lower parts of said springs being at the level of said rest position, whereby when an empty roller is removed outwardly from said delivery position, it pushes the lower ends of said trigger mechanisms outwardly, which action forces the upper ends of said trigger mechanism inwardly, against said flexible springs whereby said roll of paper is permitted to fall into said delivery position.

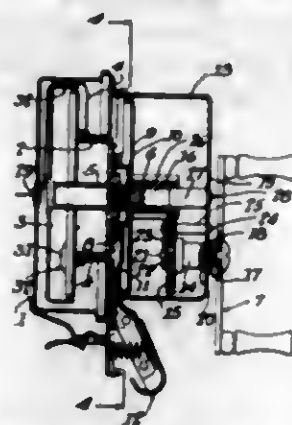
2,627,383

FISHING REEL

Raymond F. Tibbets, Los Angeles, Calif.
Application November 18, 1947, Serial No. 786,592
1 Claim. (Cl. 242-84.5)

In a fishing reel, a non-rotatable spool, a flyer, a flyer spindle rotatably and slidably mounted in the reel whereby said flyer may be rotated, and moved into or out of line-winding position, a crank, a drive gear rotatable by said crank, a pinion, secured on said flyer spindle and slidably mounted, in mesh with said drive gear for rotating said flyer spindle and flyer, a toothed wheel secured on said flyer spindle, a pawl for engaging said toothed wheel for locking said flyer against rotation, a thumb-actuated latch for swinging

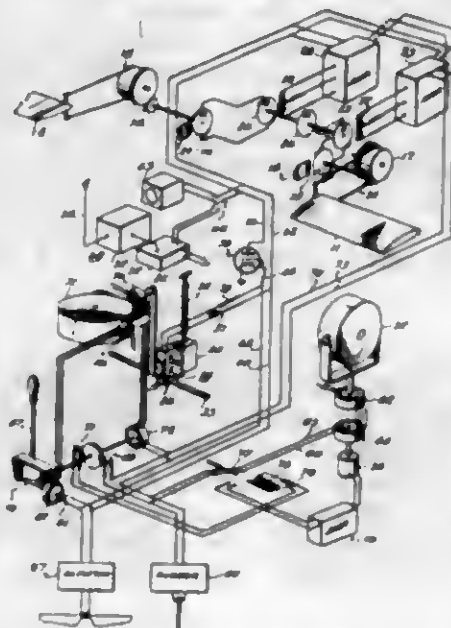
said pawl into or out of engagement with said toothed wheel and for locking said flyer spindle



2,627,384

FLIGHT CONTROL APPARATUS

Orland E. Esval, Huntington, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 7, 1947, Serial No. 767,020
7 Claims. (Cl. 244-77)



1. In an aircraft with allerons operable to vary the lift and change the roll attitude of the craft and elevators operable to change the pitch attitude of the craft; control apparatus for maintaining the craft on a predetermined straight flight path in a vertical plane and in a substantially level condition including, means on the craft providing a signal in accordance with the acceleration of the craft along its vertical axis, means for detecting tilt of the craft from a reference position about its pitch and roll axes, signal means operated by said tilt detecting means providing a signal in accordance with tilt of the craft about its roll axis, signal means operated by said tilt detecting means providing a signal in accordance with tilt of the craft about its pitch axis, first motive means connected to the allerons responsive to a part of the signal of said acceleration signal providing means for varying the lift of the craft and responsive to said roll tilt signal means for controlling the attitude of the craft about its roll axis, and second motive means connected to the elevators responsive to a part of the signal of said acceleration signal providing means and the signal of said pitch tilt detecting signal means, the signal of said acceleration signal providing means for each of said motive means being such as to vary the lift of the craft without applying pitching moments to the craft.

2,627,385
SUPPORT

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 29, 1949, Serial No. 112,973
7 Claims. (Cl. 248-27)

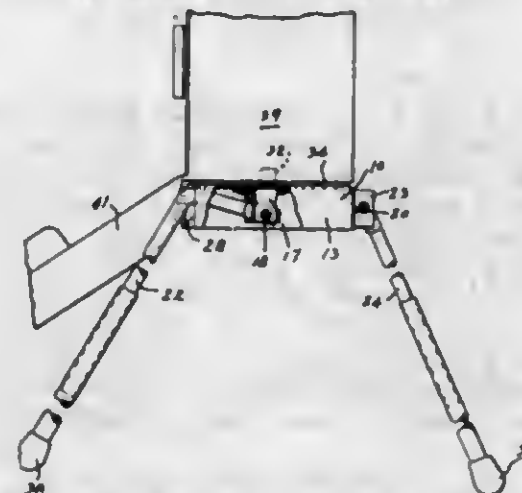


1. A construction comprising a support, an article having a base resting on the upper surface of said support, a member fitting on said base and extending entirely above the upper surface of said support, and a fastener having a body portion positioned between said base and support, a spring arm projecting from one side of said body portion of the fastener and engaging said member, and a securing element projecting from the opposite side of said body portion of the fastener and engaging said support.

2,627,386

COLLAPSIBLE CAMERA TRIPOD

William R. Akans, Birmingham, Ala.
Application November 17, 1950, Serial No. 196,319
6 Claims. (Cl. 248-168)

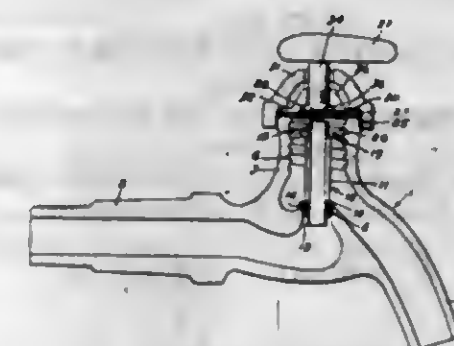


2. In a collapsible camera tripod, a substantially rectangular head plate, a pair of transversely spaced brackets secured rigidly to the bottom of said head plate and equally spaced from the center thereof, said brackets being positioned slightly to one side of the center of the head plate so that the vertical plane joining said brackets is parallel to two sides of the head plate, said brackets defining channels directed outwardly toward the adjacent side of the head plate which is parallel to the vertical plane joining said brackets, generally L-shaped legs each having its shorter arm pivotally connected to one of said brackets in said channel, a third bracket secured rigidly to the bottom of said head plate, said third bracket being on the opposite side of the center from the first mentioned brackets and defining channels extending outwardly therefrom in a direction normal to the vertical plane joining said first mentioned brackets, a leg pivotally connected to said third bracket outwardly of said head plate and foldable upwardly perpendicular to the head plate, said generally L-shaped legs being bent to curve inwardly, when in the collapsed position, toward said third bracket and to fold upwardly alongside the last mentioned leg and to curve outwardly of the side toward which said first mentioned brackets are directed when in erected position.

2,627,387

ADAPTER FOR FAUCETS

Theodore A. Bulckerood, El Cerrito, Calif.
Application September 27, 1949, Serial No. 118,048
4 Claims. (Cl. 251-24)

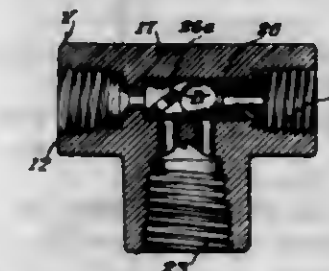


1. The combination of the ordinary faucet body having an inlet portion, an internally threaded upper portion, a passage therebetween, a discharge nozzle for passing fluid from the upper portion outside; with an adapter comprising a tube arranged in said upper portion and having one end thereof inserted in said passage, a nut on the other end of said tube, said nut being screwed into the threads in the upper portion of said body and having openings therein for passage of fluid therethrough, a diaphragm arranged in said upper portion in close proximity to said other end of said tube, means for securing said diaphragm to said upper portion, and means for operating said diaphragm.

2,627,388

TRANSFER CHECK VALVE

Andrew G. Johnson, Lakewood, and Theodore A. St. Clair, East Cleveland, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application July 1, 1949, Serial No. 102,588
4 Claims. (Cl. 251-118)



2. A transfer valve for fluid pressure systems comprising a body having opposed inlets for connection to separate sources of fluid under pressure, a valve chamber intermediate said inlets, inlet ports of smaller diameter than said chamber connecting between said inlets and said chamber, a generally radially extending annular shoulder formed at the junction of said ports and the chamber, an outlet in said body, outlet port means leading generally radially from said chamber and communicating with said outlet, a pair of O-rings of relatively soft sealing material disposed in said chamber, the periphery of said rings being of no greater diameter than that of said chamber and in light engagement with the wall of said chamber, and a ball check of substantially the same diameter as that of said chamber loosely disposed in said chamber between said O-rings, the axial separation between said shoulders relative to the diameter of said chamber being such that with the ball in pressure engagement with one O-ring, if the free O-ring falls from its position against its shoulder it rests against the ball above center thereof, whereupon

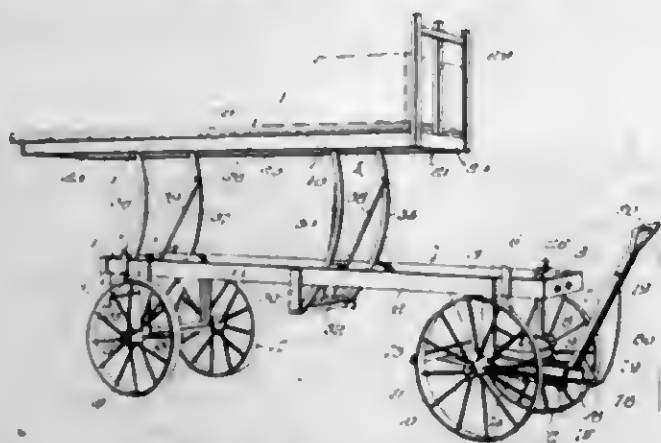
the ball may cam the free O-ring against its shoulder in response to a reversal of the pressure differential between the inlets, said O-rings being internally unconfined.

2,627,389

LIFTING DEVICE FOR TRUCKS AND VEHICLES

Noah A. Swartz and Donald L. Creager,
Pueblo, Colo.

Application March 11, 1948, Serial No. 14,254
5 Claims. (Cl. 254-10)

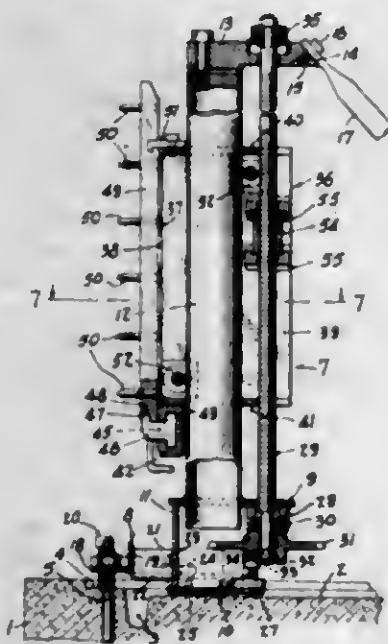


1. A lifting device for trucks comprising, with a truck having a rectangular supporting frame, a rectangular lifting frame, arcuate swinging links swingably connected at their opposite ends between the frames and mounting said lifting frame on said supporting frame for elevating movement, a rectangular wheel carrying frame endwise movably mounted on said supporting frame, wheels on said wheel carrying frame engaging with the bowed out edge of each of said arcuate links, and means to move said wheel carrying frame endwise with the wheels engaging and swinging the arcuate links.

2,627,390

ERECTING APPARATUS FOR STORAGE STRUCTURES

Walter M. Schiefelbein, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 16, 1951, Serial No. 216,013
6 Claims. (Cl. 254-92)



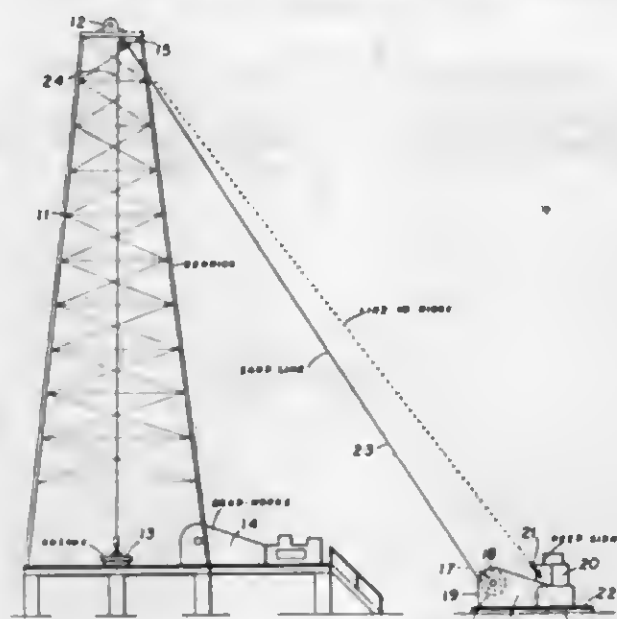
1. Apparatus for erecting storage structures or the like having a plurality of cylindrical vertically disposed successively adjoined sections, which

comprises a plurality of circumferentially spaced vertically disposed screw jacks, a lifting head associated with each said jack, means supported freely on said lifting head for engagement with said sections to support the latter for vertical movement, said means being disposed between the lifting head and the cylindrical sections and comprising a plate and a bar, said bar having a plurality of spaced pins projecting from one side of said bar for engagement with the sections to support the latter for vertical movement, means interconnecting said screw jacks, and means to drive said interconnecting means to raise or lower the cylindrical sections by simultaneous raising or lowering of said lifting heads.

2,627,391

HOISTING DEVICE

Robert R. Crookston and Walter L. Chappell,
Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 1, 1950, Serial No. 171,604
4 Claims. (Cl. 254-145)



1. A hoisting device adapted for use in a derrick which comprises, in combination, a drum provided with flanges and having a base member and housing therefor adapted to receive and spool a length of cable thereon and a sighting means mounted on said housing for aligning a flange on said drum opposite the starting point of the cable spooled on said drum with a sheave in an upper section of the derrick over which a bight of said cable is arranged.

2,627,392

CONTROL CIRCUIT

William L. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 1, 1951, Serial No. 249,047
13 Claims. (Cl. 255-4.8)

1. The combination, with an electric drilling assembly, and a cable for lowering said assembly into a bore hole, said assembly comprising a casing, an electric motor mounted in said casing, friction dogs mounted on said casing to prevent rotation of the casing in said bore hole, a shaft driven by said motor, and a metal drill bit driven by said shaft, of a source of alternating current, a switch and a meter connected in circuit therewith, a source of direct current, and a switch connected in circuit therewith, all mounted at

the top of said drill hole, a conductor carried by said cable, means for selectively connecting said sources to said conductor, a first relay mounted in said casing having a normally open and a normally closed set of contacts, a second relay mounted in said casing having a normally closed set of contacts, a battery and filter for blocking alternating current mounted in said casing, a thermoelectric switch in thermal contact with said drill bit, said switch closing when the drill bit temperature rises above a predetermined value, a pair of slip rings carried by said shaft,

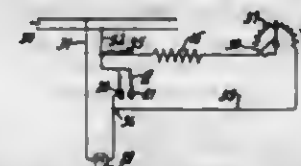


leads connecting said switch in circuit with said battery, said slip rings, and the operating winding of said first relay, leads connecting said conductor through the normally closed contact set of said first relay to said electric motor, and through said filter to the operating winding of said second relay, a ground return for said electric motor and said filter, and a holding circuit including said battery, the operating winding and normally open contact set of said first relay, and the normally closed contact set of said second relay.

2,627,393

CONTROL ARRANGEMENT FOR AUXILIARY COMPARTMENTS FOR REFRIGERATORS

Ernest F. Shell, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 29, 1950, Serial No. 203,466
12 Claims. (Cl. 257-3)

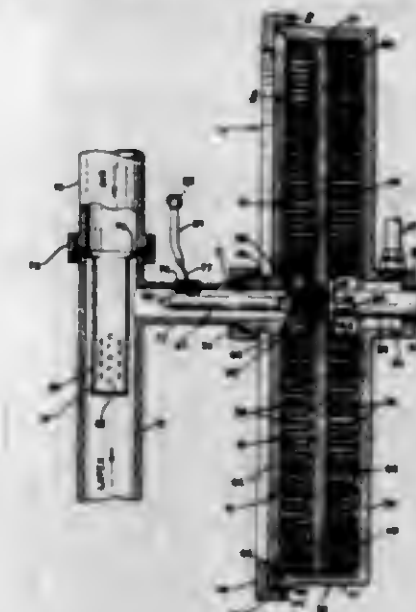


4. A refrigerator cabinet including a refrigerated compartment, a thermally insulated auxiliary compartment communicating with said refrigerated compartment, means including a refrigerating unit for cooling said refrigerated compartment, an electric heater for maintaining said auxiliary compartment at a higher temperature than said refrigerated compartment, means for supplying current to said heater only when said refrigerating unit is idle, a resistance in series with said heater, an adjustable control for varying the temperature of said refrigerated compartment, means actuated by adjustment of said control for reducing said resistance when said adjustable control is moved to lower the tempera-

2,627,394

RUBBER FOAM MIXER

George A. Spencer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 4, 1951, Serial No. 249,706
14 Claims. (Cl. 259-9)

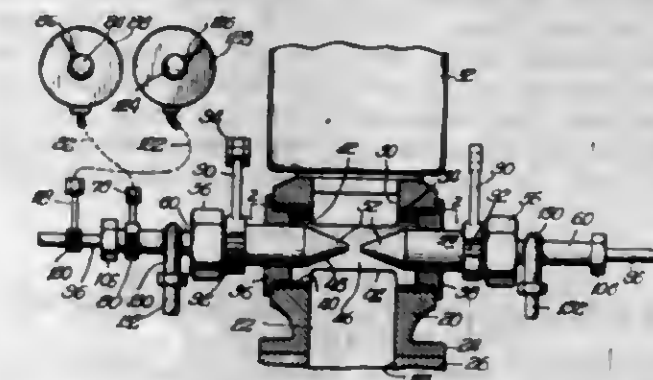


1. A foaming mixer comprising a housing having a discharge opening and circularly arranged stator blades, a shaft arranged axially of said stator blades, a rotor secured to said shaft and having blades arranged for co-operation with said stator blades, means defining a tubular inlet opening arranged co-axially of said shaft for feeding material into said housing, and a free-ended extension on said shaft extending within said opening and radially spaced from the walls thereof.

2,627,395

CARBURETOR

Eugene Rivoche, Washington, D. C.
Application April 1, 1948, Serial No. 18,439
16 Claims. (Cl. 281-40)



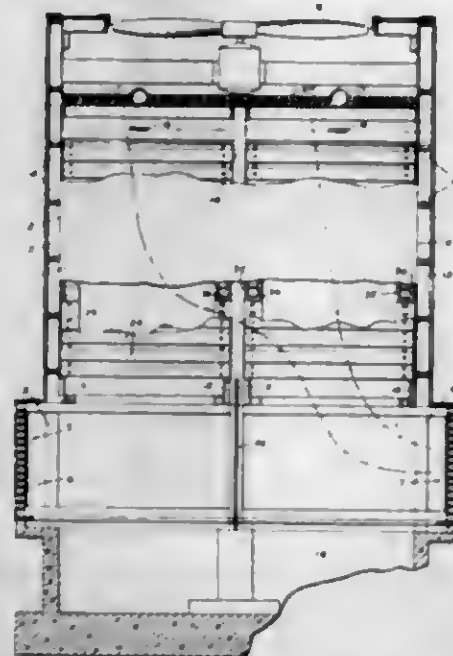
6. Injection mechanism comprising an outer injection member having a nozzle end provided with a nozzle outlet, a second injection member rotatably mounted in said outer injection member and having a nozzle end having a nozzle outlet adapted to be moved with respect to said first named nozzle outlet to regulate the flow from the nozzle end, a third injection member extending into said second injection member and adapted to be moved with respect to said second injection member.

to be connected to a source of pressure supply whereby pressure may be supplied to said nozzle ends, said second and third injection members having ports, the port of the second injection member being connected to a source of fuel supply, said third injection member being movable when the ports of said second and third injection members form a valve to regulate fuel supply from said source to said nozzle ends, and means for relatively moving said injection members toward each other.

2,627,396

COOLING TOWER

Edward Simons, San Francisco, Calif.
Application March 22, 1948, Serial No. 16,269
6 Claims. (Cl. 261-109)



1. In a cooling tower, a horizontal mat comprising a horizontal row of spaced relatively thin vertically disposed horizontally extending slats formed with horizontally aligned openings, a bar extending through said openings for supporting said slats within a cooling tower, each of said slats being of progressively increasing thickness from its upper and lower edges in direction toward the center, a second mat having a similarly disposed row of similar slats in similar arrangement disposed above said first mentioned row with the lower marginal portions of the slats of said second mat in horizontally spaced overlapping relation to the upper marginal portions of the slats of said first mentioned mat, and means for supporting the said second mat with its said slats in said relationship, the oppositely facing sides of the overlapped portions being flat and substantially parallel and in planes inclined relative to vertical.

2,627,397

BUBBLE CAP ASSEMBLY FOR FRACTIONATING APPARATUS

Hurshel Victor Hendrix, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 8, 1949, Serial No. 109,171
3 Claims. (Cl. 261-114)

1. In a column for contacting liquid with a vapor, a bubble cap tray assembly comprising a horizontally disposed tray having a plurality of chimneys disposed integral with said tray, a plurality of floatable bubble caps, each bubble cap comprising a gas-tight dome and having a lower

slotted section rigidly attached thereto, said bubble caps rigidly attached to one another and at a spaced distance from each other in such a pattern that each cap of said plurality of caps is disposed over one chimney of said plurality of chimneys, at least three chimneys of said plurality of chimneys having an exterior ring fixed to the upper ends thereof, three caps of said plurality



of caps defining the corners of a triangle, and at least three bubble caps of said plurality of caps having prong means rigidly attached to the under side thereof and surrounding said chimneys to which are affixed said rings in such a manner that said plurality of bubble caps may be raised vertically until said prong means contacts the under side of said exterior rings of said three chimneys.

2,627,398

COMBUSTION APPARATUS USING PREHEATED AIR

William M. Hepburn, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application November 30, 1949, Serial No. 130,305
6 Claims. (Cl. 263-15)



4. Air supply apparatus for supplying air to a burner for combustion in a furnace comprising, in combination, flue means forming a flue gas passage from the furnace, first and second recuperators disposed in said passage and each having an air conduit therethrough, first duct means connecting the first recuperator air conduit to the burner, a jet pump in the first duct means for drawing air from the first recuperator and delivering at least a portion of said air to the burner, second duct means connecting the second recuperator air conduit to the jet pump to supply air under pressure thereto for operating the jet pump and means comprising a blower for supplying air to the second recuperator and air conduit.

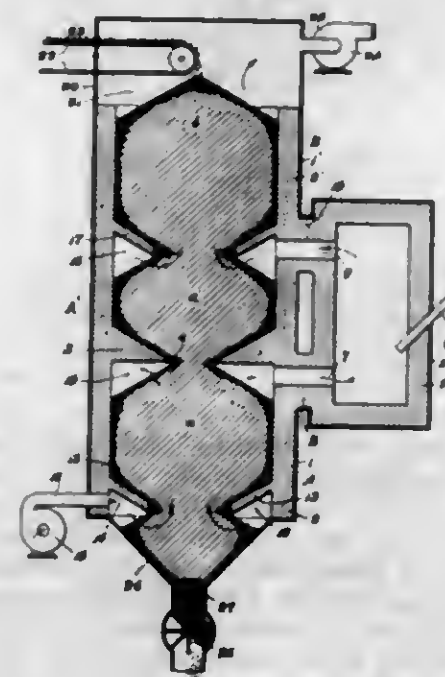
2,627,399

CEMENT MANUFACTURE

Fred D. De Vancy, Hibbing, Minn., assignor to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
Application November 18, 1947, Serial No. 786,645
2 Claims. (Cl. 263-53)

2. In the process of forming Portland cement clinker from a mix of finely divided cement making materials the improvements which consist in rolling up a water-wet, homogeneous, plastic mix of the finely divided materials into dense pellets wherein the homogeneously mixed finely divided components are held together under pressure, charging the resulting initially moist raw pellets onto the upper surface of a gradually descending column of similar pellets con-

tained in a vertical furnace chamber, passing a current of heating gas, initially at optimum firing temperature, into said column at a first level intermediate the midpoint and top thereof and countercurrently through the uppermost portion of said column, so maintaining the heat capacity of the heating gas current with respect to the heat capacity of the pellets contacted by said heating gas current that the heating gas departs from the top of said column at a temperature above but close to its dew point, countercurrently forcing initially substantially unheated air through the lowermost portion of said column whereby to cool the pellets in said lowermost portion and simultaneously preheat the air, diverting the preheated air from the column at a second level intermediate the midpoint and bottom



thereof to a specially separate combustion chamber, thermally enriching the preheated air to desired firing temperature by introducing fuel into and burning the same in the preheated air in said combustion chamber, and using the resulting highly heated air-combustion products gas mixture as the heating gas passed through the uppermost portion of said column, the intermediate portion of the column between said first and second levels being a substantial part of the total column and constituting a zone, substantially not traversed by the gas stream, wherein pellets heated to a high temperature short of substantial fusion are maintained for an extended period sufficient to gain substantial completion of inter-particle cement-forming reactions.

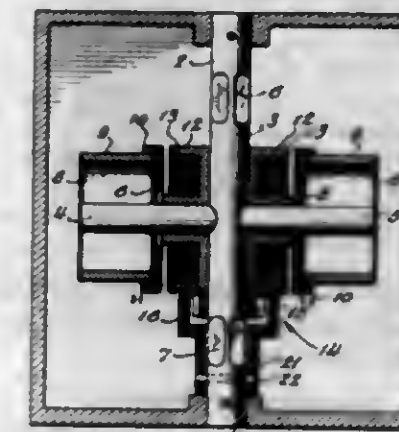
2,627,400

ANGULAR VELOCITY RESPONSIVE APPARATUS

Joseph Lyman, Huntington, Roland E. Barnaby, Hempstead, and Richard Proskauer, Westbury, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application February 18, 1947, Serial No. 729,292
6 Claims. (Cl. 264-1)

1. Vibratory apparatus for the measuring of the angular velocity of an object about a selected axis comprising a base adapted to be secured to the object, a torsion rod secured at each end to said base and normally extending in the direction of said axis, said rod having weakened zones adjacent each end, a plurality of guide members extending radially from said rod in at least one common plane between the weakened

zones, like masses mounted on said members for limited radial movement, means for maintaining equal and opposite synchronous oscillation of said masses toward and away from said rod, and signal generating means coupled to said

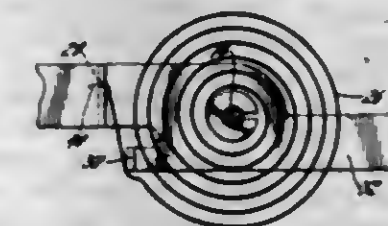


rod on both sides of at least one of said weakened zones and responsive to variations of angular velocity of said rod and base during turning of said base about said axis for deriving therefrom signals corresponding to such variations.

2,627,401

SPEED CUP BIAS SPRING

Henry H. Harada, Grand Blanc, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 13, 1947, Serial No. 773,832
4 Claims. (Cl. 267-1)



1. A system for biasing a rotatable member in one direction of rotation including; a spiral biasing spring, a stationary member, a spindle supporting the rotatable member on said stationary member, means for rigidly attaching the inner end of said spiral biasing spring to said spindle and means for attaching the outer end of said spring to said stationary member consisting of two fixedly spaced points of contact between said member and said spring on opposite faces of said spring one of said points of contact between said spring and said stationary member consisting of a hooked portion of said spring being inserted, and loosely supported in an aperture in said stationary member on the face of said spring disposed away from the convolutions thereof.

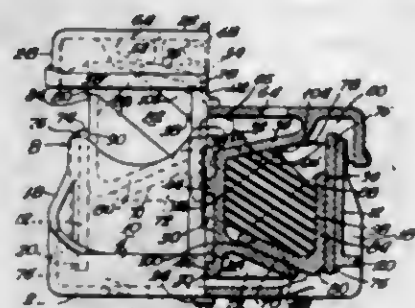
2,627,402

SNUBBED SPRING GROUP

Goff Smith, Riverside, Conn., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 30, 1950, Serial No. 182,288
15 Claims. (Cl. 267-9)

1. In a spring group, top and bottom spring plates, friction surfaces on the bottom plate, a follower on the top plate, extending between the surfaces, spring seats on the top plate converging toward the bottom plate, a friction shoe in engagement with each surface, each shoe and said follower engaging each other along a face angularly related to the adjacent surface, and

resilient means reacting between each spring seat and related shoe, each resilient means being ori-



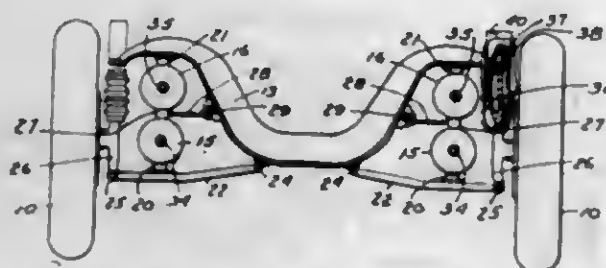
ented to deliver a force against the related shoe toward the apex of the planes of the surface and face engaged by the shoe.

2,627,403

VEHICLE SUSPENSION DEVICE

Albert E. Forsyth, Britannia Bay, Ontario, Canada

Application July 19, 1947, Serial No. 762,117
6 Claims. (Cl. 267-15)

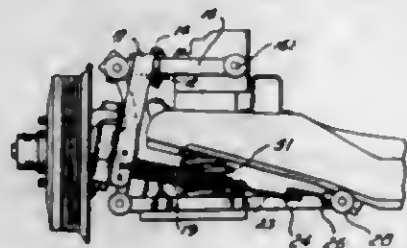


1. In combination, two movable members disposed in vertical spaced relationship to each other and adapted to be moved toward and away from each other, a pair of pneumatic elements each being the same size and generally cylindrical in shape and arranged in superimposed relationship and providing a spacing and load-transmitting medium between said members, a saddle disposed between the elements and extending in the same general direction as said elements, the width of the saddle being approximately one-fourth that of the diameter of the pneumatic element.

2,627,404

AUXILIARY SPRING STRUCTURE

Robert L. Beason, Cedar Rapids, Iowa, assignor to New Method Equipment Company, Indianapolis, Iowa, a corporation of Iowa
Application January 17, 1951, Serial No. 206,456
2 Claims. (Cl. 267-20)

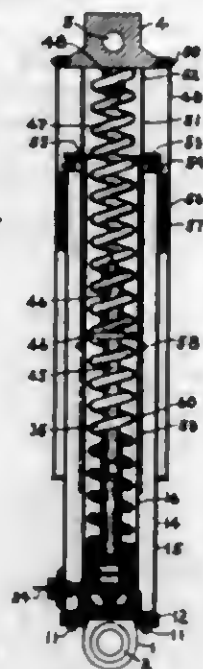


1. An auxiliary means for supplementing the supporting springs in knee action devices having pivotally mounted and generally horizontally extending upper and lower control arms, a substantially rigid mounting plate, means for clamping the mounting plate to an upper control arm, a lever arm extending downwardly from the mounting plate, and spring means biasing the lever arm inwardly about the pivot point of the upper control arm.

2,627,405
RESILIENT RETRACTABLE LOAD CARRYING ASSEMBLY

George Hlatko and Marshall L. Hlatko,
Battle Creek, Mich.

Application June 9, 1949, Serial No. 98,042
18 Claims. (Cl. 267-60)



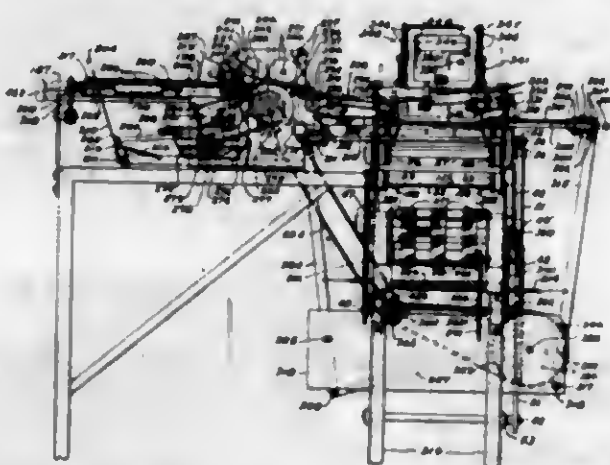
1. A resilient retractable load carrying assembly, which comprises a lower cylinder assembly, an upper cylinder assembly, at least one cylinder of each of said assemblies telescopically fitting each other, a compression spring means within said assemblies and of a length fitting same when they are in free retracted position, a piston within the cylinder of the lower assembly, said spring means being carried by said piston, and including controllable means at the lower end of said lower cylinder and below said piston to elevate said piston and extend said load carrying assembly.

2,627,406

SHEET-MOUNTING MACHINE

Luis Mestre, New York, N. Y.

Application March 14, 1951, Serial No. 215,586
25 Claims. (Cl. 270-58)



1. A machine for attaching mounting sheets to backing sheets, comprising a conveyor belt operated intermittently to feed mounting sheets to and support them at a mounting position, means for intermittently drawing a mounting-sheet length from a continuous roll of material and supplying it to said conveyor belt, means for holding the mounting sheet material on said conveyor belt, means for severing a mounting sheet from the forward end of said material while the con-

veyor is at rest, means for conveying a downwardly facing backing sheet laterally to a position over said mounting position, means for applying adhesive to the upper part of the face of each backing sheet during such conveying, means for positioning each backing sheet above said mounting position and dropping the same on a mounting sheet supported by said conveyor belt in that position, and means for pressing the two sheets downwardly over said adhesive on the backing sheet and against said conveyor belt.

2,627,407

BILLIARD TABLE LEVELING APPARATUS

Edward Headley Acland, Montreal, Quebec, Canada, assignor to Burroughes & Watts (Canada) Limited, Montreal, Quebec, Canada

Application February 17, 1950, Serial No. 144,775
In Canada December 22, 1949
4 Claims. (Cl. 278-6)



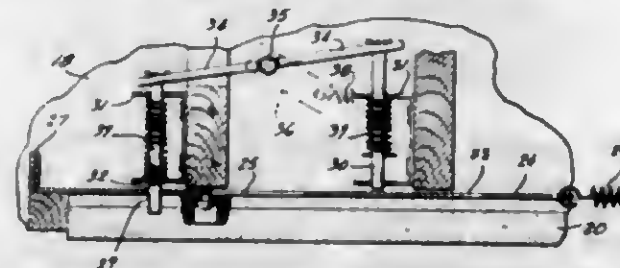
1. In a billiard table or the like, longitudinal fixed side members, longitudinal flexure rails supported by and extending longitudinally of said side frame members substantially from end-to-end thereof, said rails having their ends rigidly secured to the ends of said side frame members against vertical movement and being free to flex between the ends thereof, a horizontal table bed continuously supported from said rails from end-to-end of said bed, adjusting means supported by said frame members and engaging said rails at spaced points intermediate of the ends thereof to flex said rails in a levelling operation, and means intermediate the ends of said rails clamping said rails to said side members in desired positions of flexure.

2,627,408

BOWLING PIN SETTER

Byron B. Beranek, Elcho, Wis.

Application September 29, 1949, Serial No. 118,571
2 Claims. (Cl. 273-42)



1. In a device of the class described, a table having an alleyway for the support of one or more pins for bowling, a rack having a number of openings for individually receiving the pins, a closure plate slidably carried by said rack disposed normally in a first position to close the lower ends of said rack openings and to support the pins therein and having a number of openings registering with said rack openings in a second position to allow the pins to drop therefrom onto said alleyway, first and second locking bolts carried by said rack and adapted to engage and secure said plate respectively in said first and second positions relative to said rack openings, parallel arms pivotally connected at corresponding opposite ends thereof to said table and said rack for securing said rack horizontally and providing for movement between lower and upper positions respectively on said table in the

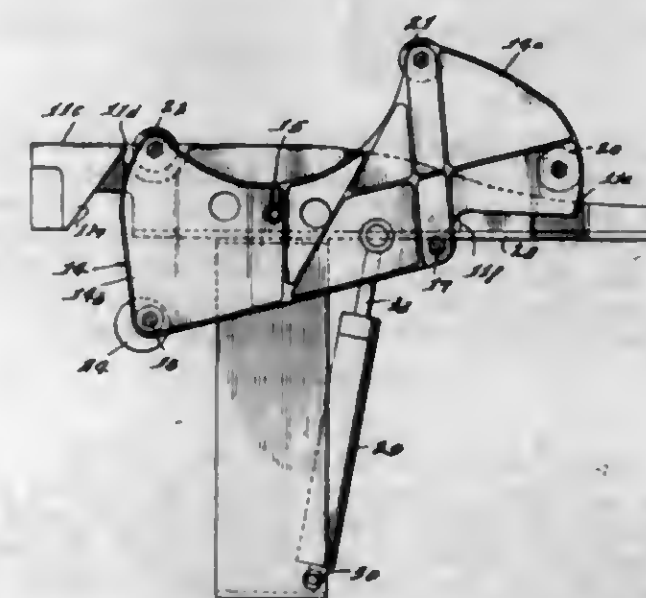
alleyway and above said table over the alleyway, and a pivotal mechanism carried by said rack and operatively engageable with said locking bolts and one of said arms so as to be actuated by movement of said arm relative to said rack, said mechanism being disposed to move said first bolt to release said plate from said first position upon lowering of said rack whereby said plate is movable to said second position to release said pins, said mechanism further being simultaneously disposed to release said second bolt to allow engagement thereof with said plate upon movement of the latter to said second position and preclude reclosing of said openings while said rack is lowered on the table.

2,627,409

BALL RETARDER

Lloyd Stanley Breen, New Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Coller Company, a corporation of Delaware

Application December 10, 1949, Serial No. 132,279
14 Claims. (Cl. 273-47)



13. In a bowling alley structure including a ball return track, a bowling ball retarder comprising a cradle mounted for rotation about an axis adjacent to the said track and having a portion to one side of said axis normally extending above said track, a first means on said portion for intercepting a ball rolling along said track, the momentum of said ball causing the cradle to rotate to ball releasing position, and a second means on said portion normally located a distance above said track sufficient to allow a relatively small ball to pass therebeneath but to block a relatively large ball and movable downwardly into small ball intercepting position when a first ball contacts said first means and causes said cradle to rotate to ball releasing position, and yieldable means urging said cradle to its normal position.

2,627,410

GOLF CLUB GRIP

Frank Mishkins, Westwood, Calif.

Application October 1, 1948, Serial No. 52,293
2 Claims. (Cl. 273-81)

1. In a golf club handle, the combination which comprises a shaft having an elongated cylindrical hand gripping section the length of which is greater than that of the width of a hand and the diameter of which is greater than that of the shaft at the outer end, an intermediate elongated cylindrical hand gripping sec-

tion positioned between the said cylindrical hand gripping section at the outer end of the shaft and the intermediate part of the shaft, a comparatively short tapering conical shaped section connecting the ends of the end cylindrical gripping section and the intermediate gripping section, and an elongated conical tapered surface



connecting the inner end of the intermediate gripping section with the intermediate part of the shaft, the cross section area of each of said sections being circular, said sections being integral with the shaft, and the rear surfaces of all of said sections being in a common plane and in the plane of the rear surface of the shaft.

2,627,411

BALL ACTUATED RACING GAME

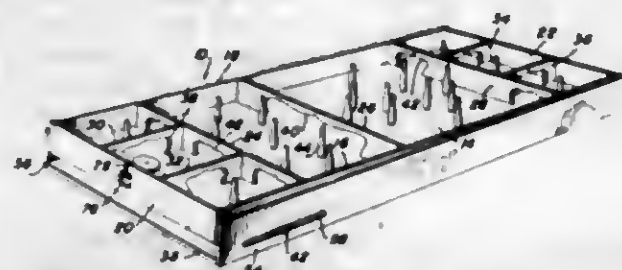
Thomas Clinton Bartlam, Bryan R. Burke, and Douglas R. Wiser, Los Angeles, and Vincent C. Engstrom, South Gate, Calif.; said Bartlam, said Burke, and said Engstrom assignors to said Wiser

Application September 18, 1947, Serial No. 774,742
18 Claims. (Cl. 273-86)



1. A racing game comprising an annunciator having a plurality of parallel lanes, corresponding progress position indicating means in each lane, an individual playing unit for each lane, each said unit including a primary progress rate device cooperable with the progress position indicating means, alternatively operable individual actuators for said device and a secondary progress rate device, an activating means for the secondary progress rate device operatively so connected to the primary progress rate devices as to be set in potentially operative condition thereby, an actuator for said activating means and a trip means for the actuators, said actuators being subject to control by said trip means.

2,627,412
GAME APPARATUS
Robert U. Bronson, Eugene, Oreg.
Application July 20, 1951, Serial No. 237,692
2 Claims. (Cl. 273-108)



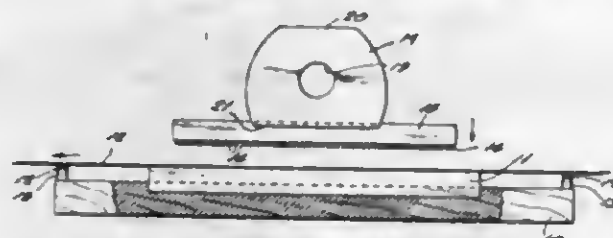
1. In a game apparatus, the combination of an elongated game board disposed in an inclined plane and having a relatively low end and a relatively high end, the low end of said game board engaging a supporting surface and constituting a fulcrum, a pair of vertically disposed and relatively stationary side panels provided at opposite side edges of said game board, end portions of said side panels being provided with a pair of transversely aligned slots extending longitudinally of the side panels in a plane under the relatively high end portion of the game board, a horizontal bar extending transversely between said side panels and supportably engaging the underside of said game board, and a pair of trunnions provided at the ends of said bar and slidable in said slots toward and away from said fulcrum, whereby the inclination of the game board may be varied.

2,627,413

METHOD AND MEANS FOR PRODUCING AND RECORDING SIMPLE AND COMPOSITE NOTES OR TONES

Abraham H. Frisch and Arthur Silverberg,
New York, N. Y.

Application September 22, 1950, Serial No. 186,176
13 Claims. (Cl. 274-4)



1. In means for producing and recording musical sounds, a die representing a musical sound and essentially composed of a magnetizable die base to one surface of which is secured a plurality of transversely disposed, parallel short metallic rods of magnetizable composition which are in contact with one another and which present a series of high points disposed in a single plane.

2,627,414

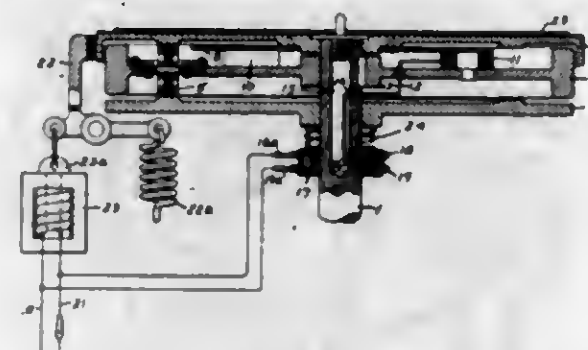
PHONOGRAPH TURNTABLE MECHANISM

Arthur W. Sear, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application August 9, 1950, Serial No. 178,527
5 Claims. (Cl. 274-9)

1. In a phonograph turntable mechanism having a vertical drive shaft, a phonograph turntable arranged to carry a record member rotatably mounted on the upper end of said vertical drive shaft, a main flywheel secured to said drive shaft below said turntable and arranged

for rotation at a substantially constant speed, a clutch mechanism secured to said turntable and said main flywheel for rotating said turntable in response to engagement of said clutch mechanism, an auxiliary flywheel having a moment of inertia with respect to said shaft substantially equal to the total moment of inertia with respect to said shaft of said turntable and said record member rotatably mounted on said drive shaft below said main flywheel, a plurality of rollers rotatably mounted in the face of said main flywheel having their axes of rotation in



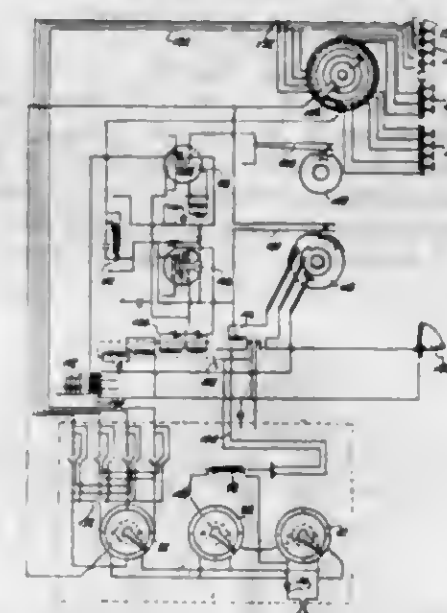
radial of said main flywheel and each having its periphery in contact with said turntable and with said auxiliary flywheel for driving said auxiliary flywheel concurrently with said main flywheel while said turntable is rotating and for driving said auxiliary flywheel at twice the speed of said main flywheel while said turntable is stopped, spring means acting longitudinally with respect to said shaft for holding said auxiliary flywheel in contact with said rollers, and a brake device for stopping said turntable when said clutch mechanism is disengaged.

2,627,415

ELECTRICAL AUTOMATIC TIME CONTROL

Sverre Rasmussen, New York, N. Y.

Application April 16, 1946, Serial No. 662,530
1 Claim. (Cl. 274-10)



A device of the character described in combination with a coin operated phonograph having a magazine of records to be played and including a predetermined number of advertising records, a panel having a plurality of selector contacts, a plurality of manually operated buttons for individually energizing all except a said predetermined number of contacts to determine a particular record to be played, a motor operated timing means having a plurality of individually spaced contacts each connected to one of said predetermined number of contacts, and a mov-

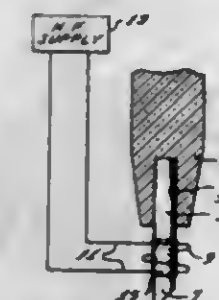
able contact engageable with each of said spaced contacts in timed relation, to energize the said predetermined number of selector contacts to cause the playing of the advertising records at predetermined time intervals in sequence, a motor for operating the phonograph, a coin switch to receive coins and operated by a coin to energize said motor to permit the selection of a record to be played, and an electrical relay switch operated by said timing means simultaneously with the engagement of the movable contact with the spaced contacts on said timer to render said coin switch operative to energize said motor to operate said phonograph at the said previously determined time intervals to play the predetermined number of records in sequence between the operations of said coin switch due to the receiving of coins to play selective records.

2,627,416

INDUCTION HEATING OF RECORDING STYLUS

Henry F. Schoemehl, Seelyville, and Harry D. Ward, Indianapolis, Ind., assignors to Radio Corporation of America, a corporation of Delaware

Application March 31, 1950, Serial No. 153,248
11 Claims. (Cl. 274-38)



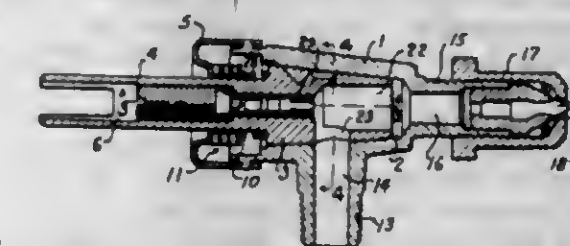
1. In sound recording apparatus, the combination of a recording stylus at least a portion of the length of which comprises electrically conductive material and electrically conductive heating means inductively coupled with said stylus conductive portion, said stylus being made of non-conductive material and having a groove cutting edge at one end thereof, said stylus conducting portion comprising a metallic band disposed in close fitting relation about said stylus and in closely spaced relation to said cutting edge.

2,627,417

VALVE FOR CONTROLLING GAS

Ervin H. Mueller, Grosse Pointe, Mich.

Application December 4, 1950, Serial No. 198,979
9 Claims. (Cl. 277-56)



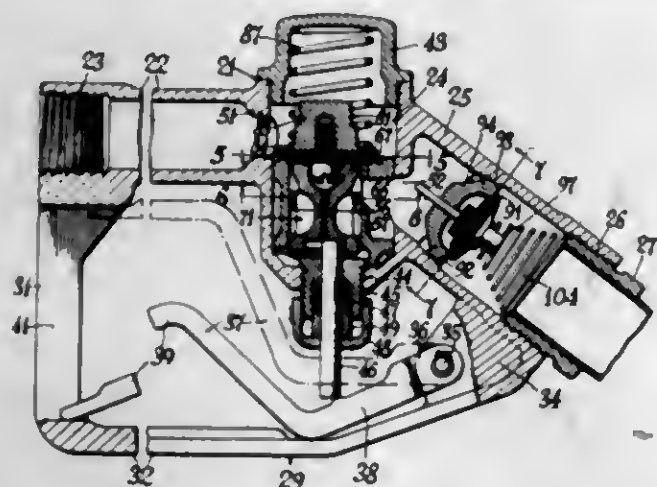
5. In a valve for the control of the flow of fuel gas to a gas burner, a valve body having an inlet and an outlet, a valve member rotatable in the valve body, said valve member having a bore therein, a passage in the valve member having an end arranged to be registered with the said inlet, a second passage arranged to be registered with said inlet, said passages communicating with the bore in different axial positions, a control

member mounted on threads in the valve member and lying in the bore, said control member having an axial passage communicating with said outlet and having a circumferentially extending groove and a port connecting the groove and the axial passage, the circumferentially extending groove being in position to receive gas from one of said passages in the valve member and to meter the same upon axial adjustment of the control member on its threads, said control member having a portion at the location of the other of said passages in the valve member, said portion being formed to provide a passage in communication with said outlet and arranged to be adjustably registered with said other passage in the valve member to receive gas therefrom and to meter the same upon rotary adjustment of the control member.

2,627,418

FLOW CONTROL NOZZLE FOR GASOLINE DISPENSERS

Freedom H. Ainsworth, Salisbury, Md., assignor to The Wayne Pump Company, Salisbury, Md., a corporation of Maryland
Application May 8, 1950, Serial No. 160,785
7 Claims. (Cl. 277-70)



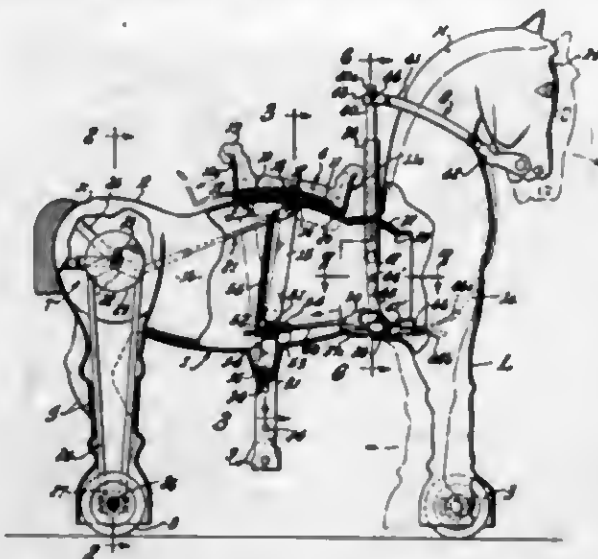
1. A dispensing nozzle comprising a body having a valve chamber, a slidable plunger extending into said chamber at one end thereof, an operating lever for moving the plunger into the chamber, a sleeve fitted in the chamber and having a lower end forming a closed fluid compartment with the wall of the chamber adjacent the inner end of the plunger, a discharge port formed in the body between the ends of the sleeve, an inlet port formed in the body above the upper end of the sleeve, the said upper end of said sleeve being above the discharge port and forming with the wall of the chamber a fluid tight joint, said sleeve being formed with an axial bore and with fluid passageways through the wall of the sleeve between the ends thereof, a seat on the upper end of the sleeve, a shut-off valve positioned in the chamber above the sleeve and normally seating on said seat, a spring in the chamber urging said shut-off valve to closed position, a plug valve in the bore of the sleeve and loosely engaging the shut-off valve at one end and the plunger at the opposite end, said spring thereby urging the plug valve and plunger downwardly with respect to said chamber, a duct in the plug valve freely communicating with said compartment and with the upper end of the plug valve adjacent the shut-off valve, tapered metering ports formed in the body of the plug valve adjacent but below the upper extremity thereof, additional larger ports also formed in the body of the plug valve in communication with said metering ports and the passageways in the sleeve, a discharge section for the

body contiguous with the valve chamber and the discharge port, and a spring loaded check valve positioned in said discharge section.

2,627,419

ANIMAL SIMULATING TOY VEHICLE AND EXERCISER

Edwin E. Lindenbein, Los Angeles, Calif.
Application November 10, 1950, Serial No. 194,992
11 Claims. (Cl. 280-1203)

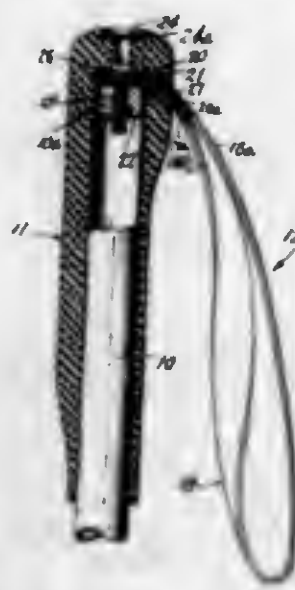


1. In a toy vehicle and exerciser, a body, wheels supporting said body, a seat, means mounting said seat in sliding contact with the body for movement forwardly and rearwardly thereon in a path following the contour of the body including a lever fulcrumed on said body and fixed at one end to said seat, means on the body against which the feet of a rider seated astride the seat may be engaged, hand gripping means on the body forwardly and above the seat, and means for driving one of said wheels responsive to movement of said lever as effected by said movement of said seat.

2,627,420

SKI POLE

Ralph F. Wheeler and Joseph K. Preston, Springfield, and Joseph K. West, West Springfield, Mass., assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application April 27, 1949, Serial No. 89,864
7 Claims. (Cl. 280-1137)



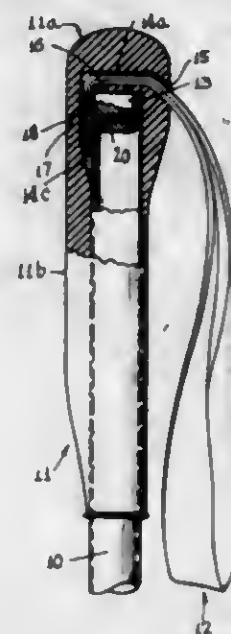
1. A ski pole comprising a shaft; a wrist strap having portions thereof engaging the end of the

shaft; a fastening device passing through the strap and longitudinally into the shaft to directly clamp the strap to the end of the shaft; and a molded unitary grip of unstretchable material enclosing the end of the shaft and extending along the shaft and shaped to provide a hand grip thereon, said grip overlying the clamping end of the fastening device and being free of clamping pressure of the fastening device and having a strap-receiving opening therein through which the wrist strap extends and a passage therethrough opening on the fastening means to afford access thereto from the exterior of the grip.

2,627,421

SKI POLE AND GRIP THEREFOR

Ralph F. Wheeler, Springfield, Mass., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application June 27, 1951, Serial No. 233,789
9 Claims. (Cl. 280-1137)

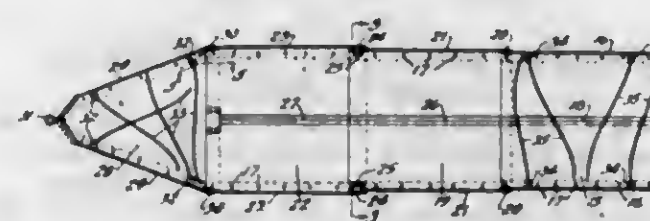


1. A ski pole comprising a shaft; a handle grip having a bore to receive the end of the shaft and a relatively thick walled end portion forming a cushion top, said grip being formed with a strap-receiving means extending inwardly from an opening in its side face; a strap secured to said shaft and extending over the end of the shaft and through said opening; and a resilient cushion member secured to and forming a part of the grip and extending between the end of the shaft and the strap.

2,627,422

FOLDING TOBOGGAN

William H. Pagelkopf, Chaska, Minn.
Application November 20, 1948, Serial No. 61,293
3 Claims. (Cl. 280-18)



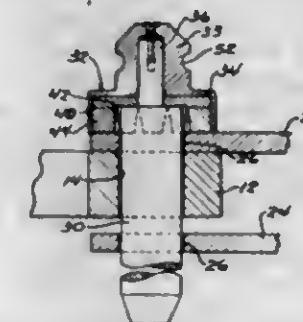
1. In a collapsible toboggan, a plurality of interconnected longitudinally collapsible sections movable longitudinally relative to each other while remaining connected and having bottom surfaces forming a runner to facilitate the move-

ment of said sections over snow covered surfaces, one of said sections constituting a flat nose section at the forward end of said device, and readily removable bracing means extending between said forward section and the next adjacent rearward section, and maintaining said forward section in an upwardly and forwardly disposed position when desired, said bracing means constituting the sole support for maintaining said nose section in an elevated position relative to the other sections.

2,627,423

TRACTOR HITCH

Lloyd G. Copeman, Metamora, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application April 23, 1949, Serial No. 89,228
4 Claims. (Cl. 280-33.15)

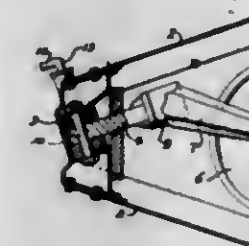


3. A pin for connecting two apertured parts which comprises a shaft of non-magnetic material and a head formed of a disc magnet having axial projections spaced circumferentially around said shaft.

2,627,424

LANDING GEAR FOR TRAILER VEHICLES

Almon J. Chapin, Oberlin, Ohio, assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application December 9, 1950, Serial No. 199,957
6 Claims. (Cl. 280-33.4)

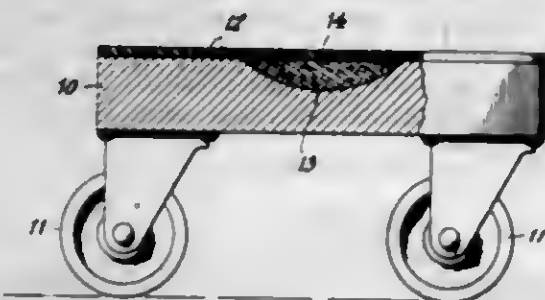


1. In a trailer vehicle of the class described having a drawbar head and frame means including a pair of laterally spaced drawbar members extending rearwardly from said head, and castor wheel landing gear including a head, a wheel, an axle therefor, and a support for said axle, swivel-mounted in said head and formed to dispose said axle substantially offset from the swivel axis; hinge means mounting said landing gear head on said drawbar head to swing thereon about a horizontal axis angularly disposed between lines running longitudinally and transversely of said vehicle, to provide retractile adjustment of said landing gear between a working arrangement wherein said swivel axis is upright and said axle is horizontal, and an idle arrangement wherein said swivel axis is horizontal, said axle is upright, and said wheel is disposed intermediate said drawbar members.

2,627,425

DOLLY FOR HANDLING FURNITURE

Frank J. McNamara, Buffalo, N. Y.
Application January 19, 1950, Serial No. 139,485
1 Claim. (Cl. 280-61)



A furniture handling device, comprising a flat-topped platform of comparatively small area adapted for supporting engagement with a portion of furniture to be moved, said platform having a depression therein substantially centrally of its top side, an insert of resilient material fitted in said depression and having its upper surface coplanar with the top side of the platform, a cushion-like pad applied flatwise over the top side of the platform and said insert, and swivel casters attached to the lower side of said platform.

2,627,426

MOTOR VEHICLE BODY FRAME

Millard H. Toncray, Grosse Pointe Park, and Walter I. Nyquist and Carl W. Cenzer, Detroit, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 26, 1948, Serial No. 35,384
3 Claims. (Cl. 280-106)



1. In a motor vehicle, a pair of outer longitudinal side frame members, a rear cross frame member joining the rear ends of said side frame members together, a cross frame member located forwardly of said rear cross frame member and extending continuously from one outer side frame member to the other and rigidly joining the same together, a pair of inner longitudinal side frame members lying between and spaced inwardly of said outer side frame members, opposite ends of said inner side frame members being joined to said cross frame members, each adjacent pair of inner and outer side frame members being spaced apart to receive therebetween the upper portion of a rear wheel, a wheel housing spanning and joining each such pair of side frame members, and a third cross frame member joining said inner side frame members at the localities of said wheel housings.

2,627,427

FANFOLDED PAPER LABEL STRIP

Joseph Weimont, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application August 7, 1951, Serial No. 240,751
1 Claim. (Cl. 281-5)

A fanfolded paper label strip comprising a series of separable labels defined by regularly spaced incised lines extending transversely across

the strip, each of said incised lines comprising a series of incisions extending through the strip at spaced intervals, leaving connecting lands between said incisions, said strip being folded along certain of said incised lines spaced at regular in-

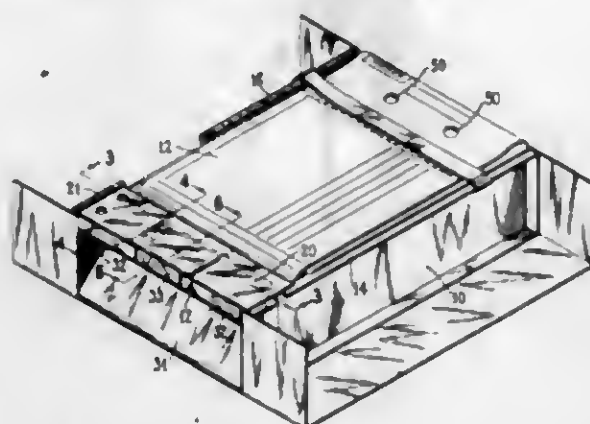


tervals containing more than two of said labels, the total of the lengths of the incisions of each incised line along which said strip is folded being greater than the total of the lengths of the incisions of each incised line lying between said folds.

2,627,428

RELEASING DEVICE FOR STRIP FORMS IN AN AUTOGRAPHIC REGISTER

Frank G. White, Watertown, and Thomas F. Callahan, Newtonville, Mass.
Application January 18, 1950, Serial No. 139,312
5 Claims. (Cl. 282-12)



1. In an autographic register including a platen on which the leading form of a strip of forms each having two feeding holes is adapted to rest, a centrally notched guide member at the forward end of said platen, said guide member being in the form of a shallow box with its top substantially flush with the platen and its rear wall sufficiently spaced from the forward edge of the platen to permit the leading end of the strip of forms to pass from the platen beneath the box, two locking pins within said box normally projecting down through the bottom thereof and through the feed holes of the paper form beneath the box, a slide mounted on said box flush with the top thereof normally closing the notch therein and slidable toward said platen to expose said notch, means in said box operatively connecting said slide and locking pins to retract the pins into the box when the slide is pushed to the rear to expose the notch, and spring means pressing said slide toward its normal position.

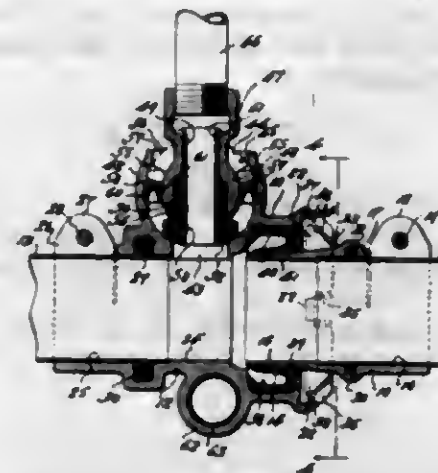
2,627,429

COUPLING MEANS FOR DETACHABLY JOINING PIPES

Herman C. Engelman, Staten Island, N. Y., assignor to Pausin Manufacturing Company, Inc., Newark, N. J., a corporation of New Jersey
Application October 11, 1950, Serial No. 189,538
1 Claim. (Cl. 285-91)

A pipe coupling comprising separable male and female coupling members each having means at a rearward end thereof for affixing the same respectively to ends of pipes to be joined by the coupling, said male member having a tapered

spigot section, said female member having an open end portion to receive said spigot section and an annular seating channel within said open end portion, a resilient sealing gasket of inwardly open U-shaped cross-section having an outer flange supported within said seating channel and a flexible inner flange to embrace and seal against the entered spigot section, the male member having external radially projecting coupler lugs circumferentially spaced around the same and rearwardly spaced from the free extremity of the spigot section, and said female member having an annular coupler flange outwardly offset from and concentric to its open end portion, said coupler flange having entrance ways circumferentially spaced correspondingly to the circumferential spacing of said coupler lugs through which the latter can pass when the spigot section is entered into the open end portion of the female member, the inner surface of said

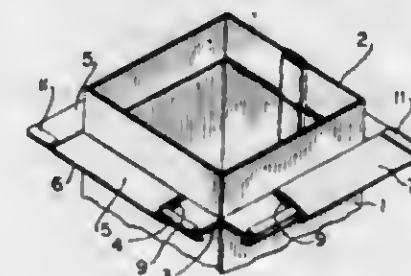


coupler flange and the outer faces of the coupler lugs having complementary spherical surfaces adapted to be brought into mating engagement when the joined coupling members are relatively rotated, whereby to provide a ball and socket connection between said members to permit relative angular displacement thereof while maintaining the same in interlocked and sealed together relation, the curvature of said complementary spherical surfaces being concentric to a point aligned with the longitudinal axis of the spigot section and approximately coincident with the transverse plane of the free end of said spigot section as operatively disposed within and connected to the female member, whereby symmetrical aligned opposition of the open end of the entered spigot section to the bore of the female member remains substantially unchanged when the male member is angularly disposed relative to the female member.

2,627,430

AIR DUCT

Samuel Koffler, Brooklyn, N. Y.
Application February 15, 1950, Serial No. 144,338
1 Claim. (Cl. 285-201)



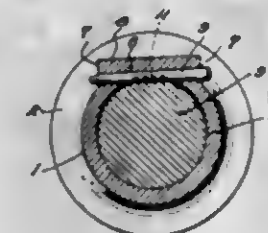
A joint for two sections of a conduit, said sections having flanges perpendicular to the sections

at their ends, each flange on one section abutting and making full contact with a flange on the other section when the sections are in juxtaposition, and a locking strip comprising longitudinal portions bent over towards each other for each pair of abutting flanges, said strips having intumed rims along the opposite edges of said portions, and said flanges having turned-over rims on their outer edges to interlock with the rims on said strips, the latter being longer than said flanges, the ends of both portions of some of said strips being inserted between portions at the ends of other strips and being overlapped by said last-named portions, said last-named strips each having a projection on one of said last-named portions at each overlapping end, said projections being bent over to grip the other portions of the last-named strips and the ends of both portions of a strip between the last-named strips, the intumed rims on each strip terminating short of the rims on the adjacent strips to avoid overlapping of the rims on said strips.

2,627,431

MEANS FOR FASTENING OBJECTS TO CYLINDRICAL BODIES

Roy H. Sechrist, Marion, Ohio
Application August 29, 1946, Serial No. 693,784
1 Claim. (Cl. 287-52.05)



A shaft-retaining stop collar comprising an annular metallic body formed with a cylindrical bore for close-fitting application to a cylindrical shaft and a straight transversely disposed open-ended pin-receiving channel disposed perpendicularly to the axis of the bore and intersecting the bore chordwise on one side thereof, said body being recessed longitudinally on either side of the line of intersection of the pin-receiving channel with the shaft-receiving bore; and a smooth surfaced, hardened, longitudinally tapered locking pin formed at its smaller end with an outwardly beveled leading edge, said pin being arranged to be forcibly driven into the channel of said body and into tangential wedging engagement with the outer peripheral surface of a shaft received within the bore of said body, the beveled leading edge of said pin serving to initially crowd the shaft into engagement with the walls of said body defining the shaft-receiving bore without cutting the shaft.

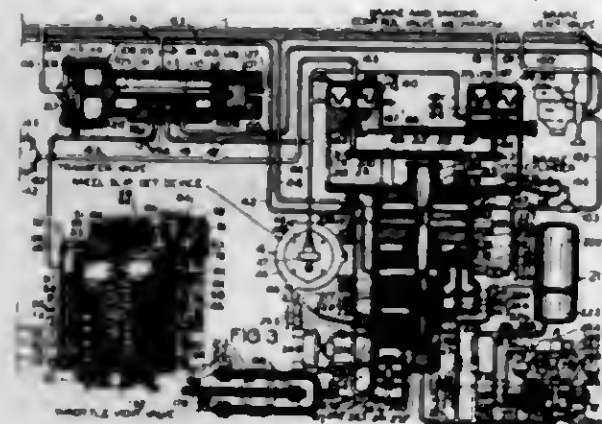
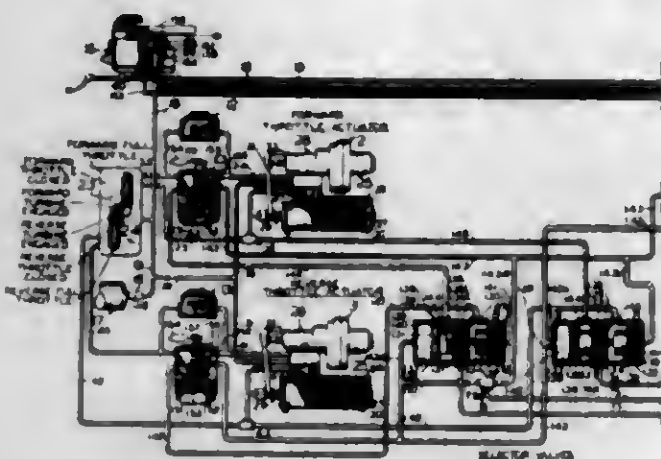
2,627,432

APPARATUS FOR CONTROLLING SLIP OF VEHICLE WHEELS

Wallace F. Poore, Wilmerding, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application July 16, 1947, Serial No. 761,342
17 Claims. (Cl. 291-2)

1. A control apparatus comprising, in combination, two fluid pressure responsive means each having a first chamber at one side and a second chamber at the opposite side thereof, valve means operative under the control of either one of said fluid pressure responsive means to

effect a desired control operation, a first fluid pressure control means operative at one time to establish a fluid pressure force acting on one of said fluid pressure responsive means in the corresponding said first chamber, a second fluid pressure control means operative at another time to establish a fluid pressure force acting on the other of said fluid pressure responsive means in the corresponding said first chamber, operator's



control means for causing each of said second chambers to be charged to a pressure substantially equal to that in either of said first chambers, and wheel slip responsive means operative to vary simultaneously the fluid pressure forces acting in said second chambers to cause operation of the said one fluid pressure responsive means at said one time and to cause operation of the said other fluid pressure responsive means at said other time.

2,627,433

DOOR LATCH

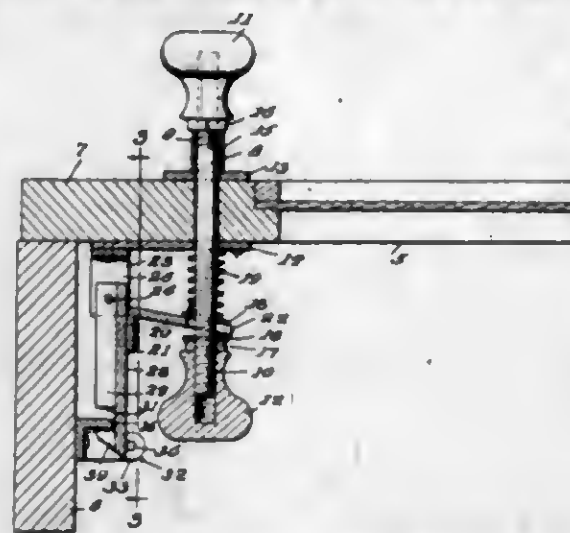
Willis E. Wolfe, Anderson, Ind.

Application July 14, 1949, Serial No. 104,719

1 Claim. (Cl. 292-127)

In a door latch, a mounting plate adapted to be secured to the inner face of a door, a U-shaped latch arm bracket fixed on said mounting plate and having parallel side portions extending from the plate at right angles thereto, a pivot pin extending between and supported by said side portions, a latch arm having one end extending between the side portions of the bracket and having its flanges engaged on said pivot pin, said latch arm having its free end bevelled and the flanges being notched adjacent the bevelled end adapted for engagement with a keeper, an operating arm projecting at an acute angle from said latch arm,

spring means interposed between said mounting plate and operating arm and urging said latch



arm into latching engagement with the keeper, and means to bias the operating arm against the action of said spring.

2,627,434

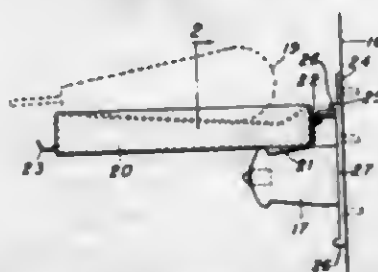
DOOR LATCH

Clarence M. Woodward, Washington, D. C.

Application December 9, 1949, Serial No. 132,183

1 Claim. (Cl. 292-304)

(Granted under Title 35, U. S. Code (1952), sec. 266)



An article receiving member for use as a door latching device comprising an L-shaped mounting member adapted for mounting on a door with an end extending beyond a swinging edge of a door, said end having a slot therein, a stop mounted on a door frame adapted for engagement within the slot of said end, a latching member pivotally attached to said L-shaped member, and a latching shoulder on the under side of said latching member adapted for latching engagement with a notch in the upper face of a suitable strike.

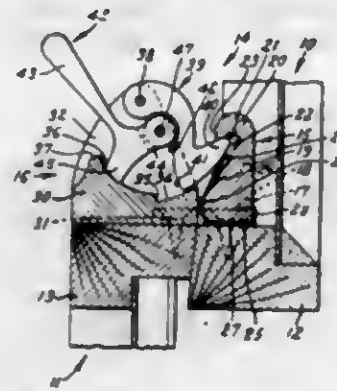
2,627,435

AUTOMATIC LOCK

Frederik J. Borup, Stratford, Conn.

Application February 6, 1951, Serial No. 209,626

10 Claims. (Cl. 292-332)



1. In a lock, a keeper comprising a post including a base or mounting portion and an outer por-

tion the front edge of which is located rearwardly of the front face of said base, said outer portion undercut whereby it comprises a hook portion the under surface of which inclines inwardly and upwardly of the post, a latch for cooperation with said keeper and comprising a mounting member, a latch pivoted at one end to said mounting and at its other end including a toe inclined on its upper side and adapted to enter under the hook of said keeper with the inclined side of the toe engaging the inclined surface of the keeper, a hand lever including a handle and an arm, said arm pivoted to said latch intermediate the ends of the latter for shifting thereof, said handle overbalancing said hand lever and normally tending to shift the same to shift said latch to locking position, and a shoulder on said mounting member and releasably holding said hand lever against such movement.

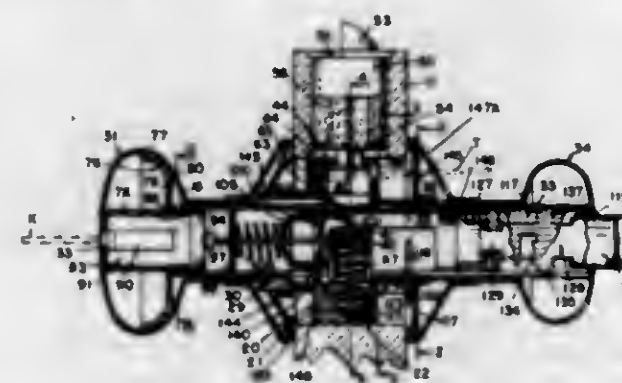
2,627,436

DOORKNOB SPINDLE SECURING MEANS

Robert C. Cerf, Jr., Los Angeles, Calif., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif., a corporation of California

Application May 2, 1949, Serial No. 90,942

2 Claims. (Cl. 292-352)



2. In a door knob lock and latch set having an outer knob with its attached tubular spindle mounted for rotation in a lock body independently of an inner knob with its spindle, means for releasably holding said outer knob spindle against removal from said body while permitting axial rotation, said means including a retainer key plate disposed around said spindle, said spindle being provided with an outwardly extending detent button abutting said retainer key plate, said retainer key plate being slidably movable inside said body at right angles to the spindle axis behind said detent button and means to hold said plate adjacent said spindle at said detent button, the opening in said plate being elongated to permit shifting of said plate to disengage said detent button and release said spindle.

2,627,437

MOTOR VEHICLE BODY FRAME

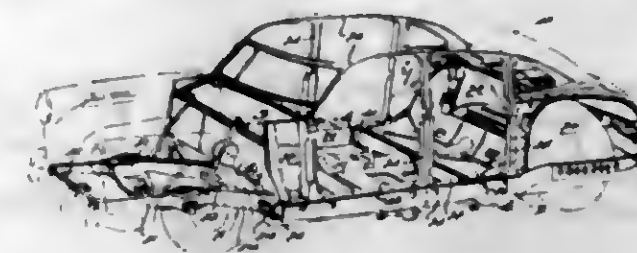
Millard H. Toncray and Frank S. Spring, Grosse Pointe, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan

Application July 22, 1948, Serial No. 40,147

8 Claims. (Cl. 296-28)

1. In a motor vehicle body, paired inner and outer longitudinal side frame members at each side, transversely spaced upright body pillars having the lower ends thereof attached to the outer side frame members, a forward cross frame member connecting said longitudinal side frame members at the region underlying the vehicle front seat, a second cross frame member spaced rear-

ward of the front seat and connecting said outer longitudinal side frame members, the inner longitudinal frame members being secured to the lower portions of the forward cross frame member, the upper edges of the inner longitudinal frame members intermediate said cross frame



members being at the level of the lower portions of the outer longitudinal frame members, and a floor member overlying said inner longitudinal frame members in supported relation and secured to said outer side frame members substantially below the upper edges thereof.

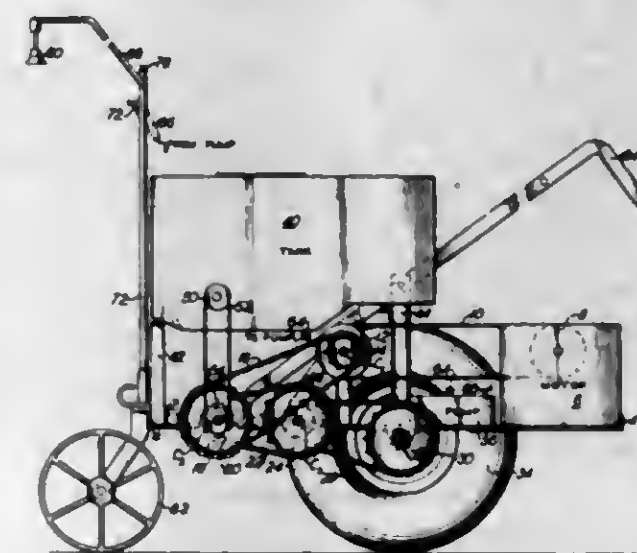
2,627,438

POWER-OPERATED SPRAYER FOR PLANTS

William S. McNair, Fayetteville, N. C.

Application January 11, 1952, Serial No. 265,982

2 Claims. (Cl. 289-45)



1. A power operated sprayer, comprising a chassis frame, control handles carried by said frame, a main horizontal transversely extending driving axle carried by said frame, at an intermediate portion thereof, a pair of load carrying and driving wheels on said axle, a tank for sprayer liquid carried by said frame, a series of horizontal transversely extending countershafts carried by said frame, each countershaft having a large driven sprocket and a smaller driving sprocket, said countershafts being positioned below said tank, a belt for driving the first countershaft in the series, sprocket chains respectively connecting the driven sprocket of one countershaft to the driving sprocket of the next countershaft for forming a speed reducing drive, a sprocket chain for connecting the last driving sprocket in the series to said driving axle for driving the driving wheels, a motor carried by said chassis for driving said belt for driving the first countershaft; a pump, operatively connected with said tank; spray pipes and spray nozzles, operatively connected with said pump; a leader wheel carried by said chassis frame; said spray pipes and nozzles, said leader wheel, said tank and said countershafts being positioned on said chassis frame ahead of said main axle, said motor and said pump being positioned on said

chassis frame to the rear of said main axle, adjacent the outer ends of said control handles, whereby a counterbalanced effect is achieved and manual steering and operation by said control handles is facilitated.

2,627,439

HOSE NOZZLE

Francis Wornall, Kansas City, Mo., assignor, by direct and mesne assignments, to K. C. Fire Nozzle & Equipment Co., a corporation of Missouri

Application November 25, 1949, Serial No. 129,369
9 Claims. (Cl. 299—150)



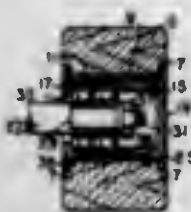
1. In a hose nozzle, a tube connected at its rear end to the discharge end of a hose, said tube having an internal spider carrying a central stem projecting longitudinally beyond the forward end of the tube and terminating in an enlarged valve, the face of the valve nearest said tube being disposed in a flat plane perpendicular to the axis of the tube and the opposite face of the valve tapering forwardly to an apex, an extension tube encircling said stem and valve, said extension tube screw threadedly connected to said first tube whereby rotation of the tubes relative one another causes said extension tube to travel longitudinally relative said stem and valve, said extension tube having an internal annular rib adapted to seat against said flat face of the valve, the bore of said extension tube flaring outwardly from said seat around said valve and terminating at the open end of the tube in an annular V-notch encircling the forward face of the valve, the outer face of said V-notch substantially paralleling said forward face of the valve.

2,627,440

WHEEL ASSEMBLY

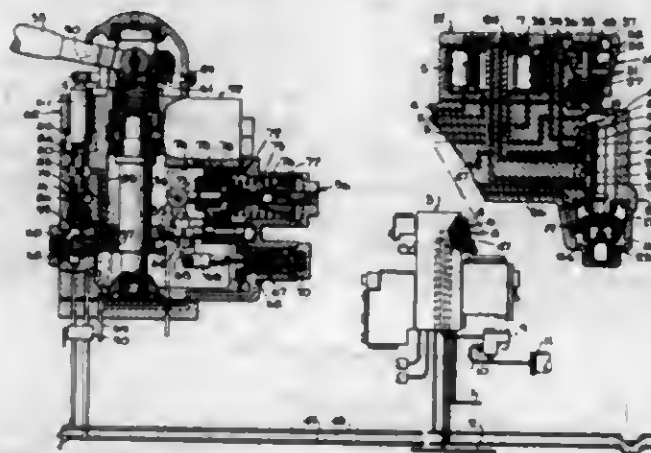
Howard F. Klein, Pittsburgh, Pa., assignor of twenty-five per cent to Hymen Diamond, Pittsburgh, Pa.

Application June 6, 1947, Serial No. 752,965
16 Claims. (Cl. 301—5.7)



12. A skate wheel assembly comprising a bushing shell threaded internally throughout, a tire ring having an internal diameter such that it may be slipped onto said bushing shell, said ring being counterbored at the center on both base surfaces, a first flanged cap to be screwed into said shell through one end thereof, a second flanged cap to be screwed into said shell through the other end thereof, the flanges of said caps engaging said counterbore to secure said ring, the length of said caps being such that when they are screwed in, their edges engage so that they lock said ring on said shell.

2,627,441
FLUID PRESSURE BRAKE APPARATUS
Andrew T. Gorman, Pitcairn, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application June 27, 1950, Serial No. 170,592
7 Claims. (Cl. 303—26)

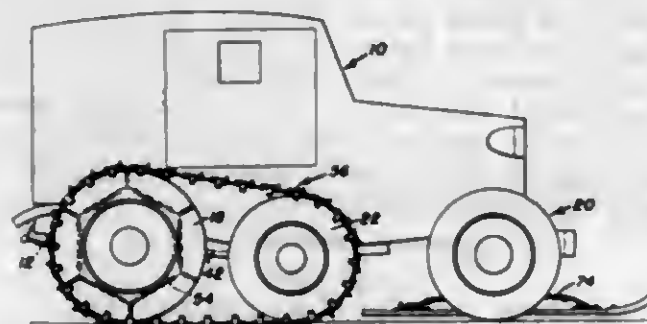


1. In a locomotive brake equipment, in combination, a brake application and release pipe, an engineer's independent brake valve device comprising a fluid pressure supply and release valve mechanism, a brake valve handle having a release position, an application and release zone and a locking position at opposite sides of said release position, means controlled by said handle in said release position to effect operation of said mechanism to open said pipe to atmosphere, and means operable by said handle upon positioning in said zone to effect operation of said mechanism to supply fluid to said pipe at a pressure proportional to the distance from said release position, and means operable by said handle in said locking position for also supplying fluid under pressure to said pipe, and means for restricting said supply of fluid under pressure to said pipe in said locking position.

2,627,442

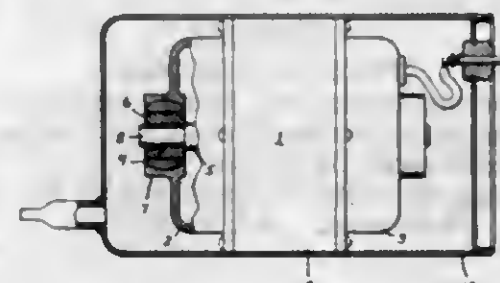
ENDLESS TREAD TRACTION ATTACHMENT FOR VEHICLES

Christ Junker, Kintyre, N. Dak.
Application January 28, 1952, Serial No. 268,580
6 Claims. (Cl. 305—8)



1. A snow vehicle comprising a vehicle having a rear axle and leaf spring assemblies supporting the rear axle, an auxiliary axle paralleling the rear axle, spring members supporting the auxiliary axle, said spring members having forward and rear ends, means slidably securing the forward ends of the spring members to the vehicle, means slidably securing the rear ends of the spring members to the leaf spring assemblies, means adjustably connecting the axles, each of said axles carrying wheels, and endless traction members trained about the wheels of the axles.

2,627,443
AIR BEARING
Howard I. Becker, Viscchers Ferry, N. Y., assignor to General Electric Company, a corporation of New York
Application February 10, 1950, Serial No. 143,549
1 Claim. (Cl. 308—9)

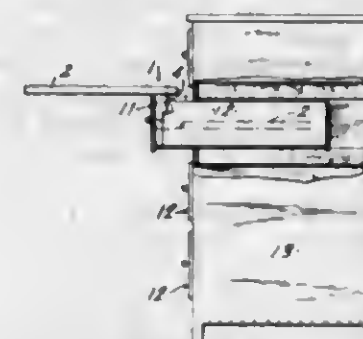


In a support for a rotating element, a porous oil free graphitized carbon sleeve bearing, a stainless steel shaft rotating therein, a hermetically sealed casing surrounding said bearing support, and said casing containing an atmosphere of air with a relative humidity of not less than 15 per cent to which said bearing, shaft, and support are exposed to reduce bearing wear.

2,627,444

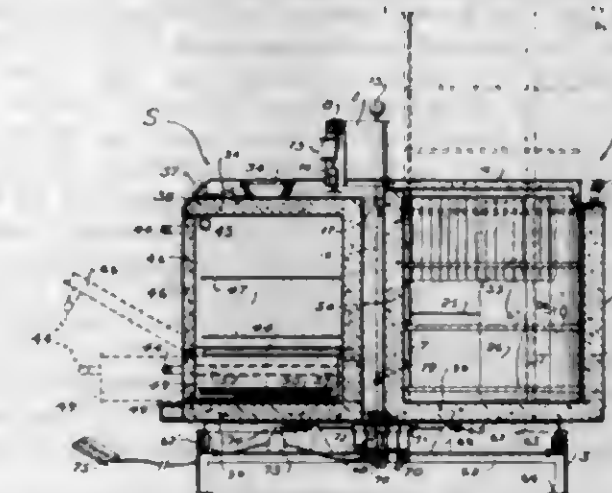
DESK FOR ATTACHMENT TO FURNITURE DRAWERS

Samuel David Altman, New York, N. Y.
Application January 18, 1952, Serial No. 267,143
2 Claims. (Cl. 311—17)



1. The combination of a board for attachment to the front wall of a living room furniture drawer to serve as a desk, said drawer being of a width and depth ample to receive said board in a horizontal disposition, a pair of fittings securable to the interior surface of said wall, said board carrying a pair of posts at its rear end, said posts being hinged about a fixed axis to said fittings whereby said board may be swung backwardly about said hinging to a horizontal inoperative location interiorly of said drawer, said board being swingable forwardly about said hinging from said inoperative horizontal location to an operative disposition exteriorly of said drawer, and said board when in said operative disposition being supported by said fixed axis hinging and by resting on the upper rim of said wall.

2,627,445
EQUIPMENT FOR THE PREPARATION AND STORAGE OF FOOD
Clifford T. Lyon, Chicago, Ill.
Application October 24, 1945, Serial No. 624,128
1 Claim. (Cl. 312—223)

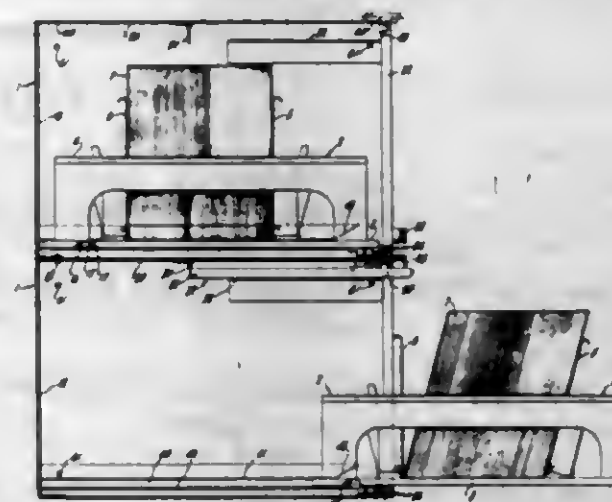


A combination stove and refrigerator unit comprising a frame mounted for rotation about a vertical axis, a refrigerating zone in said frame disposed on one side of said axis, a cooking zone in said frame disposed on the opposite side of said axis from said refrigerating zone, means for automatically rotating said unit about said vertical axis including a circular ring gear attached to said frame, a drive gear mounted for engagement with said ring gear, an electric motor adapted to drive said drive gear, an electrical circuit connected to said motor and a source of electrical energy, circuit opening and closing means in said circuit for energizing and de-energizing said circuit to remotely control the operation of said motor and rotate the frame to a predetermined position, and electrically actuated latching means cooperatively associated with said motor to latch the unit against turning movement when the motor is not in operation.

2,627,446

LEDGER TRAY CABINET

Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Application July 24, 1948, Serial No. 40,457
1 Claim. (Cl. 312—323)



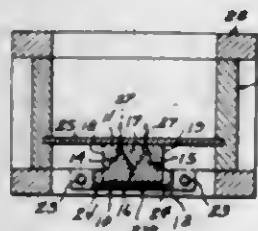
A cabinet of the character described having side walls, a vertical door frame between the side walls, a slidable and pivotal door fitting the opening defined by said door frame, parallel horizontal tracks disposed within the cabinet and secured to the side walls of said cabinet adjacent the top of the door frame opening to support

said door when said door is moved to an open horizontal position overlying the tracks, inwardly and downwardly inclined surfaces formed in the upper portions of said door frame, protrusions laterally extending from the upper portions of said door and spaced rearwardly of that plane containing the center of gravity of said door and parallel to the front face of said door, said protrusions positioned to engage said inwardly and downwardly inclined surfaces as the door is moved to its closed position, whereby under the influence of gravity the door tends to move in an inwardly and downwardly direction, the forward ends of the tracks being positioned to engage the rear of said door when it reaches closed position so as to preclude the disengagement of the protrusions from the inwardly and downwardly inclined surfaces and stop the door in a position of alignment within said door frame, the door terminating short of the lower margin of the opening in said door frame whereby said door when closed suspends from said protrusions:

2,627,447

DRAWER GUIDE

Frank Cook, Anaheim, Calif.
Application July 29, 1948, Serial No. 41,269
1 Claim. (Cl. 312-347)



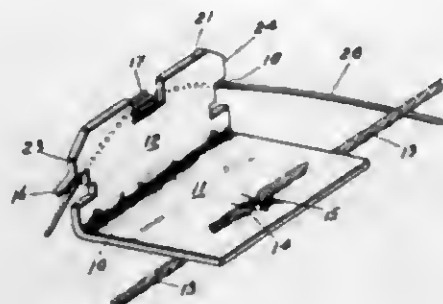
In a cabinet having a drawer-receiving opening in its front wall the combination which comprises a front rail across the lower side of said opening; a rear wall parallel to, and in horizontal alignment with, said front rail; a bracket centrally positioned on said front rail; a U-shaped socket centrally positioned on said rear rail; a guide bar having its front end received in said bracket; said bar having its rear end loosely received in said socket thus providing clear-

ance spaces between the guide bar and the socket side walls; a drawer having a centrally-positioned guide rail on its bottom wall; said guide bar having a groove in its upper face; the lower face of said guide rail forming a tongue; whereby when the drawer is inserted in the opening the tongue on said guide rail will slide in the groove of said guide bar and cause the rear end of said guide bar to vertically align with the guide rail; and a plastic filler in the clearance spaces to retain the guide bar in alignment after said filler has set.

2,627,448

STYLUS HOLDER

Edgar Horton, Braintree, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 13, 1949, Serial No. 121,209
3 Claims. (Cl. 346-139)



1. Stylus means comprising, in combination, an elongated flexible member and a mount therefor comprising three stud-like members fixed in position with respect to each other, said member being flexibly engaged with said studs and urged against said studs as said member is drawn across a medium contacted by said member, said studs making contact with said member at three separate points distributed along said member with an intermediate stud on one side thereof and the extreme studs on the opposite side thereof, said member in the region of the intermediate one of said points being thereby displaced in a direction transverse to the long dimension thereof, whereby said member is flexed in said mount and held therein by its own restoring force.

CHEMICAL

2,627,449

DYEING OF POLYESTER FIBERS WITH ACID LEUCO VAT DYES

Hans Luttringhaus, Chatham, Henry R. Mautner, Cliffside Park, N. J., and Alex A. Arcus, Belle-rose, N. Y.

No Drawing. Application March 14, 1951,
Serial No. 215,624

7 Claims. (Cl. 8-34)

1. A process for dyeing synthetic linear polyester fiber material, which comprises impregnating said material with an acid-reacting aqueous dispersion of the leuco compound of a vat dye, and heating the impregnated material at a temperature of 300 to 400° F. for a period ranging from 25 seconds to 5 minutes, prior to development of the coloration by oxidation of the leuco compound on the fiber.

2,627,450

LIQUID INDOPHENOL SULFURIZED-VAT DYE STUFFS AND METHOD OF MAKING THEM

Ewen D. Robinson and David F. Mason, Mount Holly, N. C., assignors to Southern Dyestuff Corporation, a corporation of North Carolina
No Drawing. Application October 7, 1949,
Serial No. 120,215

6 Claims. (Cl. 8-37)

1. A concentrated, liquid, reduced, ready-to-dye indophenol, sulphurized-vat dyestuff selected from the group consisting of Hydron Blue and Indo-Carbon black; in filterable form and having a reducing agent selected from the class consisting of sodium, potassium and ammonium hydrosulfide and polysulfides, said liquid dyestuff having an alkalinity of less than 1% calculated as caustic soda.

2,627,451

DISPROPORTIONATION OF SILANE DERIVATIVES

Charles E. Erickson, Buffalo, and George H. Wagner, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 22, 1948,
Serial No. 22,703

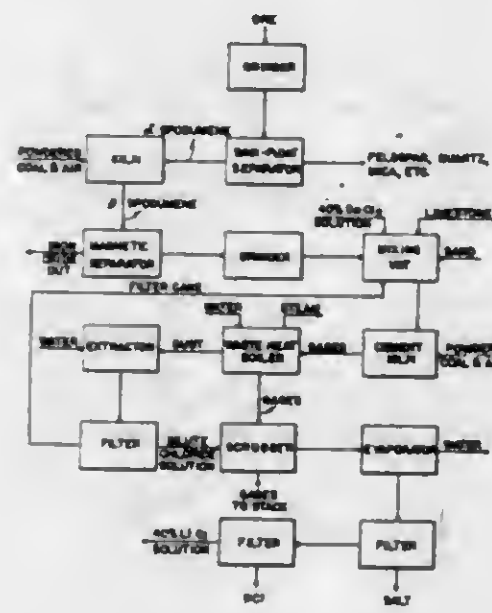
3 Claims. (Cl. 23-14)

1. Process of disproportionating tri-chloro silane to form di-chloro silane, which comprises heating the tri-chloro silane to a temperature of at least about 300° C. in the presence of an acid catalyst of the metal halide type.

2,627,452

PREPARATION OF LITHIUM CHLORIDE FROM SPODUMENE

George L. Cunningham, Cincinnati, Ohio, assignor to Scientific Design Company, Inc., New York, N. Y., a corporation of Delaware
Application July 6, 1949, Serial No. 103,303
4 Claims. (Cl. 23-39)



1. A process for the preparation of lithium chloride from spodumene comprising roasting spodumene to convert it to beta spodumene, mixing the beta spodumene with calcium carbonate and calcium chloride, roasting the mixture to react the spodumene with the calcium chloride and volatilize the lithium chloride from the reaction products whereby volatilized lithium chloride is discharged from the reactor with dust laden gases, separating the dust from the gases, washing the dust with a large amount of water to form a dilute solution, filtering the dust laden dilute solution whereby a filter cake of insoluble constituents of the dust and a dilute chloride solution is formed, returning the filter cake to the roasting of beta spodumene with calcium chloride operation, scrubbing the dust free gases with the chloride solution, evaporating the chloride solution to approximately 40% lithium chloride, filtering the hot solution from the evaporator to remove sodium chloride therefrom, cooling the filtered solution, and again filtering the solution to remove potassium chloride therefrom.

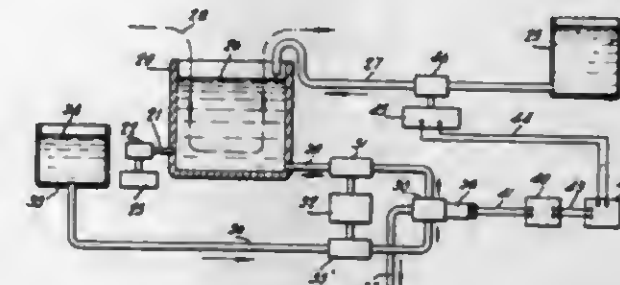
667 O. G.—11

2,627,453

AUTOMATIC TITRATION SYSTEM

Robert T. Sheen, Wyndmoor, Pa., assignor to Milton Roy Company, Chestnut Hill, Pa., a corporation of Pennsylvania
Original application March 17, 1948, Serial No. 15,431. Divided and this application June 24, 1949, Serial No. 101,106

2 Claims. (Cl. 23-253)



1. In a titration system, a first positive displacement pump having a plurality of inlet valves and a plurality of outlet valves in series, a second positive displacement pump having a plurality of inlet valves and a plurality of outlet valves in series, a common drive connected to the first and second pumps, which maintains the pump discharges proportional, a container for a main body of liquid whose concentration is to be controlled, a pipe from the container for the main body to the outermost inlet valve of the first pump, the delivery rate of the first pump being such as to divert a partial sample from the main body, a container for a sample reagent, a pipe from the container for the sample reagent to the outermost inlet valve of the second pump, a pipe from the outermost outlet valve of the first pump and a pipe from the outermost outlet valve of the second pump connected together to combine the outputs of the partial sample and the sample reagent, a concentration sensing element in contact with the combined outputs, a container for a main reagent, a pump for the main reagent, a pipe from the container for the main reagent to the inlet of the pump for the main reagent, a pipe from the outlet of the pump for the main reagent to the main body of liquid and automatic controller means controlling the pump for the main reagent in response to the indication of the concentration sensing element.

2,627,454

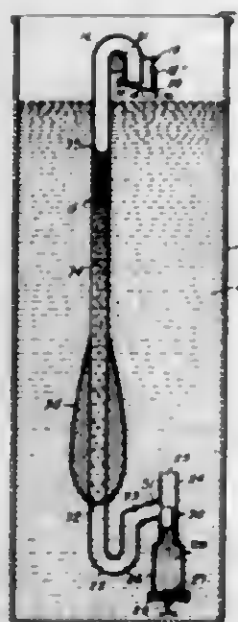
APPARATUS FOR HEATING HYDROGEN PEROXIDE

Johann G. Tschinkel, Fort Bliss, Tex., assignor to the United States of America as represented by the Secretary of the Army
Application November 10, 1949, Serial No. 126,657
3 Claims. (Cl. 23-282)

(Granted under Title 35, U. S. Code (1952),
sec. 266)

1. Apparatus for exothermally and automatically controlling the temperature of a body of hydrogen peroxide, comprising, a container, a reaction chamber positioned in said container, said chamber being provided with an inlet at one end and an outlet at the other, opening from and emptying into said container, said chamber being arranged within said container to be at least substantially surrounded by the body of hydrogen peroxide and in heat exchange relation therewith, a normally-open valve controlling said inlet, heat responsive means automatically closing

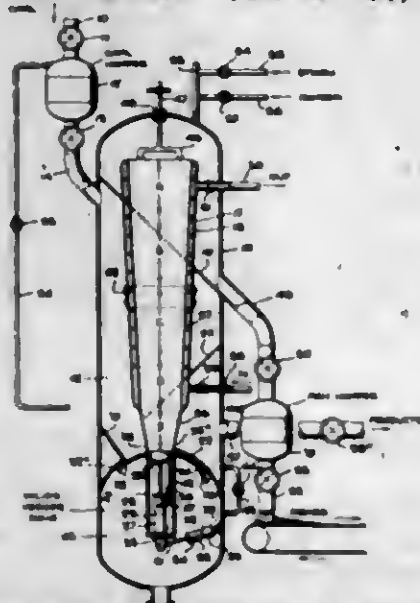
said valve in response to temperature rise above a predetermined value, said chamber being pro-



vided with supporting members, adapted to retain a catalytic material within said chamber.

2,627,455

GASIFICATION PROCESS AND APPARATUS
Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 5, 1947, Serial No. 752,757
11 Claims. (Cl. 48-86)



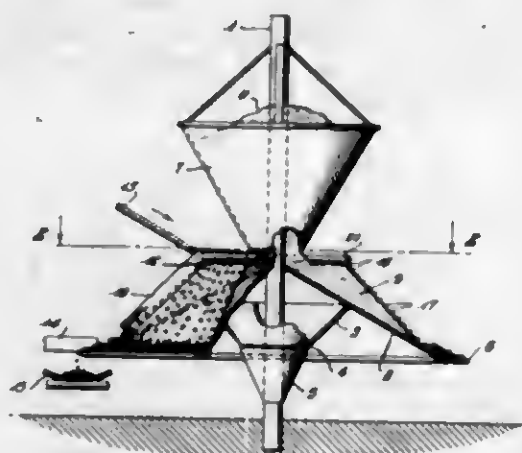
1. An apparatus for the gasification of coal by reaction at elevated temperatures with oxygen and steam which comprises a vertical conical gasification kiln widening in an upward direction positioned within a gasification vessel adapted to withstand elevated internal pressures, a baffle separating the annular space between the gasification vessel and the gasification kiln into an upper portion comprising an ash bin and a lower portion comprising a feed bin, pressure lock means for introducing said coal into said feed bin for subsequent introduction into said gasification kiln to be gasified, pressure lock means for removing ashes from said ash bin, means for introducing reactant gases into the upper part of said kiln, withdrawal means for removing prod-

uct gases and liquids from the lower part of said kiln, and positive solids feeder means for passing said coal upwardly through said gasification kiln so as to maintain a bed of said coal at elevated temperatures in an oxidation zone in the upper portion of said gasification vessel where said coal is subjected to a small fraction of the weight of coal present within said kiln.

2,627,456
WITHDRAWN

2,627,457

PELLETIZING PROCESS
Bernard J. Kerley, Jr., Pecos, Tex.
Application March 28, 1951, Serial No. 216,014
9 Claims. (Cl. 71-64)



1. A process for pelletizing finely divided solid material which comprises forming a substantially undisturbed body of said material, said body having an exposed inclined surface, depositing in droplet form on an upper portion only of said surface a liquid capable of wetting said material to form initial agglomerates which roll downwardly over said surface and form pellets by the accumulation of an additional quantity of said material, said surface being disturbed only by the impingement of said droplets thereon and the passage of said agglomerates downwardly thereover, the size of said pellets being determined by the size of said droplets, and by the length of said inclined surface.

2,627,458

PRODUCTION OF ALUMINUM-SILICON ALLOYS

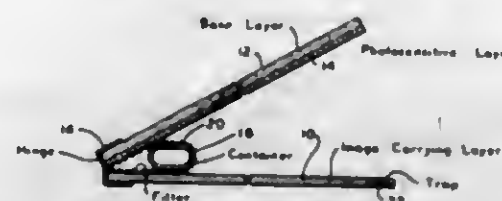
Lyall J. Lichty, Ottawa, Ontario, Canada, assignor to Quebec Metallurgical Industries Limited, Toronto, Ontario, Canada, a corporation of Canada

No Drawing. Application May 31, 1950, Serial No. 165,363. In Canada May 26, 1950
4 Claims. (Cl. 75-10)

1. A method for producing an alloy which is predominately silicon and aluminum in an electric furnace, said method being characterized by low electrode carbon consumption and comprising smelting a charge consisting essentially of from about 6 to 20 per cent iron oxide by weight, from about 6 to 20 per cent aluminum oxide by weight, silicon oxide and a reducing agent, said charge consisting essentially of graphitic shale and the naturally occurring graphite in the shale serving substantially as the sole reducing agent in the charge.

2,627,459

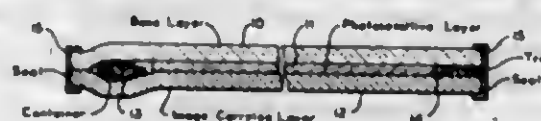
PHOTOGRAPHIC FILM UNIT HAVING A FRANGIBLE FLUID CONTAINER THEREIN
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 7, 1950, Serial No. 137,393
16 Claims. (Cl. 95-8)



1. A photographic product including a photographic reagent for producing a transformation of an image in said product, said product comprising a first liquid-confining layer, a second liquid-confining layer and a container releasably holding a processing liquid and having frangible portions formed of a brittle frangible material, said material being substantially impervious to oxygen, to said liquid and to vapors thereof and being capable of fracture upon application of compression thereto, said container being surrounded by and secured to one of said layers by means of a deformable filter envelope porous to the liquid in said container, said layers and said container being associated together so as to permit said layers to be superposed with said container positioned for releasing its liquid between said layers, said photographic product including a photosensitive portion which is located between said layers when the latter are superposed so that the liquid content of said container, upon release between said layers, permeates said photosensitive portion, at least one of said liquid-confining layers being sufficiently flexible to permit a concentrated externally applied pressure to be transmitted therethrough to cause the fracture of said container and the distribution of the liquid from said container between said liquid-confining layers, said photosensitive portion comprising as its photosensitive material a salt from the class consisting of (a) the photosensitive ferric salts, (b) the photosensitive diazonium salts, and (c) heavy metal salts capable of forming a latent image upon photoexposure and capable of development to produce a visible image comprising the metal of said salt.

2,627,460

SEALED PHOTOGRAPHIC FILM UNIT CONTAINING A LIQUID
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application May 11, 1950, Serial No. 161,414
24 Claims. (Cl. 95-8)



1. A photographic product containing a photographic reagent and comprising a first liquid-confining layer constituting a photographic element having a photosensitive portion which is capable of having an image formed in a predetermined area thereof upon photoexposure, a sec-

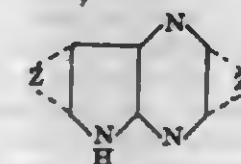
ond liquid-confining layer, a rupturable container holding a liquid, said layers being attached together transversely thereof adjacent one end of one of said layers to permit said layers to be separated for exposure of said area and then superposed with said liquid held by said container so as not to wet said layers and with said container being adjacent said end for releasing said liquid between said layers, and sealing material extending along the longitudinal margins of one of said layers in a position to form a seal with the longitudinal margins of said other layer upon superposition of said layers so as to prevent leakage of said liquid from the longitudinal edges of said product when said liquid is released from said container an spread, under pressure, lengthwise of said product between said layers, at least one of said two liquid-confining layers being sufficiently flexible and deformable to permit a concentrated pressure applied to the outer surfaces of said product to be transmitted through said flexible layer to rupture the seal of said container and to discharge the liquid content of the container over said photosensitive element, said photosensitive portion comprising as its photosensitive material a salt from the class consisting of (a) the photosensitive ferric salts, (b) the photosensitive diazonium salts, and (c) heavy metal salts capable of forming a latent image upon photoexposure and capable of development to produce a visible image comprising the metal of said salt, said liquid, upon permeation of said photosensitive element, rendering said photographic reagent effective to produce a chemical transformation in said photosensitive element.

2,627,461

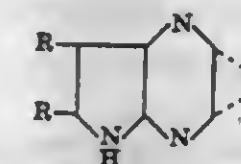
INDOPHENAZINES AS CATALYSTS IN DYE BLEACH BATHS FOR COLOR PHOTOGRAPHY

Joseph S. Friedman, Johnson City, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 22, 1950, Serial No. 175,467
14 Claims. (Cl. 95-88)

1. A dye bleach bath for producing a colored image in a photographic emulsion layer containing a bleachable azo dye and a silver image comprising an aqueous solution of an alkali halide selected from the class consisting of alkali metal and ammonium bromides, chlorides, and iodides, and an acid selected from the class consisting of mineral and water-soluble organic acids and an accelerating amount of an indophenazine selected from the class consisting of those of the following formulae:



and



wherein R represents a monocyclic aryl hydrocarbon radical and Z and Z' represent the atoms necessary to complete a carbocyclic aromatic ring system of the benzene, naphthalene, and anthracene series.

2,627,462

SOYBEAN PROCESSING AND PRODUCTS

Elmer K. Pettibone, San Francisco, Calif.
No Drawing. Application November 25, 1949,
Serial No. 129,501

7 Claims. (Cl. 99—17)

(Granted under Title 35, U. S. Code (1952),
sec. 266)

1. A dry uniformly finely divided homogeneous food composition, comprising soybean flour and in intimate association therewith and inseparably adhered thereto hydrolyzed vegetable protein, said hydrolyzed vegetable protein being present in a proportion of from about 2 to about 85 parts by weight per 100 parts by weight of said food composition, said food composition being characterized by a flavor substantially devoid of palatably objectionable soya flavor.

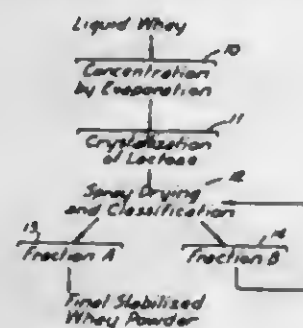
2,627,463

PROCESS FOR THE MANUFACTURE OF STABILIZED MILK PRODUCTS

Reginald E. Meade, Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif., a corporation of California

Application July 9, 1949, Serial No. 103,858

7 Claims. (Cl. 99—57)



1. In a process for the manufacture of stable nonhygroscopic powder from liquid lacteal material containing substantial amounts of alpha lactose monohydrate, the steps of concentrating the material, causing a substantial part of the lactose content of the concentrate to be crystallized in the form of small sized particles of alpha lactose monohydrate, spray drying the concentrate to form a powdered material, said spray drying being carried out by atomizing the concentrate and causing the atomized particles to be suspended in a drying gas in a drying zone, continuously removing the powdered material from the drying zone and continuously classifying the same into a stabilized fraction and an incompletely stabilized fraction, said fractions differing in that the stabilized fraction has a higher percentage of its lactose in the form of lactose monohydrate, the lactose content of both said fractions being substantially entirely in the alpha form, and continuously returning the last named fraction to said drying zone to cause the same to commingle with the atomized particles therein, whereby material thus retained is more completely stabilized to merge with the stabilized fraction.

2,627,464

METHOD OF MAKING PREPARED SPROUTED WHEAT CEREAL

Kasper Kehetian, Detroit, Mich.

No Drawing. Application December 17, 1948,
Serial No. 65,976

4 Claims. (Cl. 99—80)

1. A method of making a prepared wheat cereal, comprising the steps of providing a quan-

tity of wheat, germinating the entire quantity thereof, drying the wheat when the root sprout reaches the length of appr. $\frac{1}{2}$ " and the stem reaches the length of approximately $\frac{1}{4}$ ", grinding the dried wheat into flour without removal of any portion of the wheat grain particularly the root sprouts, mixing the flour with water, cooking the mixture, and thereupon canning the resulting product.

2,627,465

SOYBEAN-CONTAINING FOOD PRODUCTS WITHOUT SOY TASTE

Elmer K. Pettibone, San Francisco, Calif.

No Drawing. Application November 25, 1949,
Serial No. 129,503

9 Claims. (Cl. 99—94)

(Granted under Title 35, U. S. Code (1952),
sec. 266)

1. A food composition in powder form, comprising a non-soy foodstuff in powdered form, soybean flour and in intimate association therewith and inseparably adhered thereto hydrolyzed vegetable protein, said soybean flour being present in a proportion of from about 2 to about 70 parts by weight per 100 parts by weight of said food composition and said hydrolyzed vegetable protein being present in a proportion from about 2 to about 40 parts by weight per 100 parts by weight of the sum of the weight of said soybean flour and of said hydrolyzed vegetable protein, said soybean flour and hydrolyzed vegetable protein being inseparably adhered to each other in a substantially uniformly finely divided homogeneous condition, and said food composition being characterized by a flavor substantially devoid of palatably objectionable soya flavor.

2,627,466

METHOD OF PRODUCING SKINLESS FRANKFURTERS

Jean L. Lewis, Baltimore, Md., assignor of one-third to Sidney Feinberg, and one-third to Benjamin H. Fogelson, both of Roselle, N. J.

No Drawing. Application May 23, 1950,
Serial No. 163,785

16 Claims. (Cl. 99—109)

1. A method of producing skinless frankfurters which comprises stuffing a hydrolabile plastic tube with a sausage mix, smoking and cooking the sausage encased in the said tube and contacting the casing with an aqueous liquid for a time sufficient to partially disintegrate the casing and then removing the casing.

2,627,467

SOYA-BEAN OIL AND METHOD OF PRODUCING THE SAME

Chester M. Gooding, Staten Island, N. Y., assignor to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application March 16, 1951,
Serial No. 216,099

14 Claims. (Cl. 99—144)

1. A hydrogenated and winterized soya bean oil for use as a salad oil having an iodine number of 100 to 120 and containing less than 1% of conjugated dienolic acid components, less than 0.02% of conjugated trienolic acid components and less than 0.002% of conjugated tetraenolic acid components.

2,627,468

SOYA-BEAN OIL AND METHOD OF PRODUCING THE SAME

Hans W. Vahlteich, Englewood, N. J., Chester M. Gooding, Staten Island, N. Y., and Daniel Melnick, Teaneck, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application March 16, 1951,
Serial No. 216,100

11 Claims. (Cl. 99—144)

1. A hydrogenated and winterized soya bean oil suitable for use as a salad oil having an iodine number of 100 to 120 and containing less than 5% of conjugated dienolic acid components, less than 0.2% of conjugated trienolic acid components and less than 0.02% of conjugated tetraenolic acid components.

2,627,469

SOYA BEAN OIL COMPOSITIONS

Daniel Melnick, Teaneck, N. J., Chester M. Gooding, Staten Island, N. Y., and Hans W. Vahlteich, Englewood, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application January 29, 1952,
Serial No. 268,935

29 Claims. (Cl. 99—144)

1. An edible glyceridic oil composition comprising a vegetable salad oil having an iodine number of less than 120 and a hydrogenated and winterized soya bean oil having an iodine number of 100 to 120 and containing less than 5% of conjugated dienolic acid components, less than 0.2% of conjugated trienolic acid components and less than 0.02% of conjugated tetraenolic acid components.

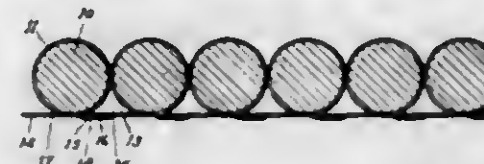
2,627,470

PACKAGE

Oscar E. Selferth, Chicago, Ill., assignor, by means assignments, to Voss Brothers Manufacturing Co., Davenport, Iowa, a corporation of Iowa

Application July 7, 1945, Serial No. 603,706

6 Claims. (Cl. 99—175)



3. As a new article of manufacture, a packaging structure by means of which a plurality of link-type sausages are individually banded and connected together side-by-side in a straight row, said structure being constructed of flexible paper material and consisting of a series of loop portions and a series of intervening web portions, the loop portions closely encircling the sausages and being disposed in the flat condition of the packaging structure with their sides in approximate abutment with each other and with their bottoms spaced apart, and the intervening web portions being located below the approximately abutting sides of the loop portions adjacent the lower face of the packaging structure and being connected to the spaced apart bottoms of the loop portions, said web portions being of substantial length and being so constructed as to tear crosswise when forcibly pulled apart without disrupting the loop portions, and said loop and web portions being integrally formed from a single continuous strip of the paper material which has

portions thereof overlapped and secured to one another in a two-ply, side-by-side contacting relation over a substantial area in said web portions.

2,627,471

PACKAGING MATERIAL

Laurence E. Dowd, Chicago, Ill., assignor to Transparent Package Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 1, 1950,
Serial No. 193,519

6 Claims. (Cl. 99—176)

1. A substantially stretchable moisture and moisture-vapor resistant packaging material comprising a regenerated cellulose tube having bonded to the surfaces thereof a thin continuous coating formed by first coating said tube with a film of a material comprising drying oil fatty acid esters of the reaction product of epichlorhydrin and bis phenol, and a paraffin wax and then heating said tube to polymerize and concurrently bond said material to said surfaces.

2,627,472

FROZEN CONFECTION PACKAGE AND CONTAINER THEREFOR

Joseph Valenta, Los Angeles, Calif.

Application July 17, 1951, Serial No. 237,205

7 Claims. (Cl. 99—180)



1. A container for frozen confections comprising a tubular body within which the body of a confection is receivable, and flaps on the bottoms of the sides of the tubular body foldable inwardly towards each other, said flaps being greater in width than one-half of the distance across the body so as to assume upwardly and inwardly inclined positions within the tubular body lying with their edges in engagement with the handle of the confection positioned therein.

2,627,473

BACON CANNING

George E. Brissey, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 9, 1950,
Serial No. 189,283

6 Claims. (Cl. 99—187)

1. A method of inhibiting gas-formation in vacuum-packed unprocessed canned bacon which comprises treating the bacon with sufficient gluconic acid to reduce the pH of said bacon to within the range pH 4.5-5.2.

2,627,474

RUST PREVENTIVE COMPOSITIONS CONTAINING A WAX-SOAP BASE

Joseph W. Romberg, Port Neches, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application November 8, 1949,

Serial No. 126,248

3 Claims. (Cl. 106—14)

1. A quick drying liquid composition adapted for application to metal surfaces to prevent rusting that comprises as essential ingredients about 40-50% by weight of a waxate consisting of a wax-soap composition composed of metallic soaps of the acids of oxidized paraffin wax and the associated non-acid constituents thereof, about 5% by weight of petroleum cylinder stock as plasticizer, about 45-55% by weight of naphtha and a relatively minute portion of the order of 0.001-0.1% by weight of liquid dimethyl silicone effective to decrease the drying time of the composition when applied to metal surfaces, said composition being adapted upon the volatilization of the naphtha to leave a non-tacky, adherent film on the metal surface.

2,627,475

FIRE-RETARDANT PAINT

Ralph W. Craig, Painesville, Ohio, assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application July 31, 1948,

Serial No. 41,899

3 Claims. (Cl. 106—15)

1. A fire-retardant paint composition containing as its essential fire-retardant ingredients a solid, highly chlorinated aliphatic compound having more than 8 carbon atoms and containing between 83% and 80% of chemically combined chlorine, and barium sulfate, said highly chlorinated aliphatic compound amounting to at least 25% by weight of the total of the vehicle solids of said paint, said barium sulfate amounting to from 30%-50% by weight of the total pigment present in said paint, and the ratio of the volume of the total of said pigment to the volume of the total of said vehicle solids being substantially within the range of 1.25:1 to 2:1.

2,627,476

MAGNESIUM OXYCHLORIDE CEMENT MANUFACTURE

Lyle K. Herndon, Columbus, Ohio, assignor to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application November 7, 1950,

Serial No. 194,564

6 Claims. (Cl. 106—106)

1. A process for the manufacture of a stable unitary magnesium oxychloride cement composition which comprises mixing solid magnesium oxide with solid ammonium chloride, the proportion of magnesium oxide being in excess of one mole per mole of ammonium chloride, heating to a temperature within the approximate ranges 220° to 400° C. and recovering the solid reaction product.

2,627,477

HIGHER ALKYL KETENE DIMER EMULSION

William F. Downey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 6, 1949,

Serial No. 120,005

11 Claims. (Cl. 106—170)

1. As a new composition of matter an aqueous

emulsion of a dimer of a higher alkyl ketene having a carbon configuration of at least 6 carbon atoms.

2,627,478

DULLED FILM-FORMING COMPOSITION

Howard L. Bewick and Kenneth R. Brown, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application February 3, 1947,

Serial No. 728,222

7 Claims. (Cl. 106—192)

1. A flattening composition comprising essentially a finely divided synthetic alkali metal-calcium-magnesium aluminum silicate substantially free from water soluble salts and a vehicle from the group consisting of varnishes and lacquers.

2,627,479

SYNTHETIC DRYING OIL AND METHOD OF MAKING SAME

Lee Pritsker, Baltimore, Md.

No Drawing. Application May 5, 1947,

Serial No. 746,161

20 Claims. (Cl. 106—265)

12. The method of making a synthetic drying oil which comprises heating for at least one hour to reaction temperature of about 350 to 600° F. a tough, rubber-like, resilient, resin of petroleum long-chain unsaturated hydrocarbons produced by air blowing at 450 to 575° F. of the propane precipitated viscous material from propane dewaxed straight cylinder stock of paraffin base petroleum origin with a petroleum derived unsaturated liquid polymer obtained as a by-product in the cracking of petroleum tars in the form of a heat-reactive, aromatic-type olefinic hydrocarbon having a specific gravity 1.0-1.02, viscosity S. U. S. at 210° F. of 100-300, flash point 200° F. minimum, iodine number (Wils) of 190-200 the resin being the major constituent of the combination with the polymer, the amount of polymer being sufficient to give drying characteristics to the heat reaction product of resin and polymer.

2,627,480

YARN TREATING METHOD

Edward J. Heizer, West Caldwell, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application September 11, 1948, Serial No. 48,855

6 Claims. (Cl. 117—7)



5. The method of treating strands of yarn in twisted condition to increase the tensile strength and decrease the stretch thereof comprising advancing the yarn in a lengthwise axial direction through a bath of liquid impregnant containing a bonding agent, engaging the advancing yarn at

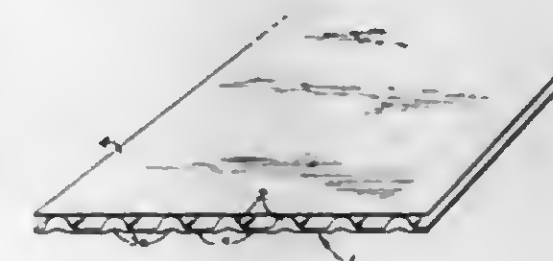
2,627,484

CORRUGATED PAPER

Paul Brown, Walpole, N. H., assignor to Packaging Materials Corp., a corporation of Rhode Island

Application March 30, 1951, Serial No. 218,314

4 Claims. (Cl. 154—55)



1. Packaging material comprising a molded sheet having spaced corrugations connected by intervening, flexible portions, the material in said corrugations being substantially thicker than the material in said intervening portions, and a sheet of flexible, non-extensible material attached to the crowns of the corrugations, said sheet being relatively thin in comparison to the thickness of the corrugations.

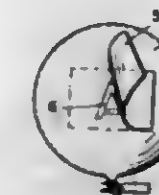
2,627,485

PROCESS OF APPLYING INKED INDICIA TO A RUBBER ARTICLE USING AN IMAGE REPRODUCING FILM

Arthur L. Smith, La Jolla, Calif.

Application August 6, 1949, Serial No. 109,068

7 Claims. (Cl. 154—95)



1. The process of applying inked indicia to a rubber article which comprises applying said inked indicia to a surface of a sheet, coating said indicia with a rubber adhesive solution containing a rubber solvent whereby to cause said indicia to be picked up from said surface by said solution, curing said solution to the state of a tacky film, superimposing said sheet and its carried film upon a surface of said rubber article with said film in contact with said latter surface, and then removing said sheet.

6. As a new article of manufacture, a flexible sheet bearing upon one of its surfaces a tacky film of rubber adhesive containing a volatile rubber solvent, said film having inked indicia integrated therewith.

2,627,486

PROCESS OF APPLYING INKED INDICIA TO A RUBBER BALLOON

Arthur L. Smith, La Jolla, Calif.

Application August 15, 1949, Serial No. 110,284

2 Claims. (Cl. 154—95)

1. The process of applying inked indicia to a rubber balloon which comprises printing inked in-

2,627,481

ELECTRIC DISCHARGE DEVICE

Gerhard Lewin, Maplewood, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

No Drawing. Application June 29, 1951,

Serial No. 234,423

9 Claims. (Cl. 117—50)

1. A method of impregnating sponge metal with mercury which comprises boiling the metal in a bath of mercury and an atmosphere of dry hydrogen and, while the mercury is boiling, reducing the hydrogen pressure rapidly for a limited time period, until appreciable absorption of the mercury by the metal has been completed.

2,627,482

GASKET MATERIAL AND PROCESS FOR MAKING SAME

George C. Martin and Albert J. Sears, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York

No Drawing. Application June 22, 1950,

Serial No. 169,788

3 Claims. (Cl. 117—126)

1. A gasket material having outstanding resistance to cresylic acid and comprising a heat-treated glass fiber mat coated and impregnated with a heat-curable composition comprising (1) a finely divided material comprising a copolymer of vinyl chloride and vinyl acetate and (2) a polymerizable liquid dispersing medium for (1) comprising, by weight, (a) from 25 to 45% liquid diallyl phthalate, (b) from 15 to 45% bis cyclohexyl glyceryl maleate, (c) the balance of the dispersing medium comprising a plasticizer for (1) consisting of the liquid chain-stopped product of reaction of adipic acid, propylene glycol, and coconut oil fatty acids, the latter chain-stopped product constituting by weight, from about 20 to 60 per cent of the total weight of the latter and the copolymer of vinyl chloride and vinyl acetate, and (d) a cure accelerator for (a) and (b).

2,627,483

PACKAGING MATERIAL AND METHOD OF MAKING

Laurence E. Dowd, Chicago, Ill., assignor to Transparent Package Company, Chicago, Ill., a corporation of Illinois

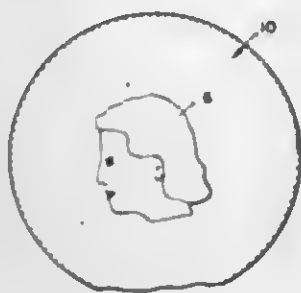
No Drawing. Application January 30, 1951,

Serial No. 208,672

6 Claims. (Cl. 117—145)

1. A transparent moisture proof film comprising a regenerated cellulose sheet having bonded to the surfaces thereof a resinous coating containing a polymerized mixture comprising drying oil fatty acid esters of the reaction product of epichlorhydrin and bis-phenol and up to about 10%, based on the solids, of a waxy material.

dica on to a paper sheet, coating said sheet with a film of crude rubber adhesive in solution with a volatile rubber solvent, drying said coating on



said sheet to a tacky state, pressing the coated surface of said sheet against the surface of said balloon while said balloon is inflated to its normal inflated size and then removing said sheet.

2,627,487

INSECT REPELLENTS

Nathan L. Drake, College Heights, Md., Wilbur J. Shenk, Cleveland, Ohio, and Charles M. Eaker, Afton, Mo., assignors to the United States of America as represented by the Secretary of the Army

No Drawing. Application January 11, 1949,

Serial No. 70,396

6 Claims. (Cl. 167-22)

1. An insect repellent composition comprising a member of the group consisting of the propyl ester of N,N-diethyl succinamic acid and the propyl ester of N,N-pentamethylene-succinamic acid, and a non-toxic insect-repellent-adjuvant as a carrier therefor.

2,627,488

PROCESS OF BLENDING BENZENE HEXACHLORIDE AND A CARRIER

Murray Zakheim, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application May 29, 1948,

Serial No. 30,199

4 Claims. (Cl. 167-30)

1. A method of making insecticide dust and spray bases containing benzene hexachloride as an active insecticide ingredient comprising uniformly mixing the molten benzene hexachloride with a finely divided porous absorbent solid insecticide carrier, cooling and aging with agitation for at least one hour and then milling said aged mix of benzene hexachloride and carrier.

2,627,489

INSECT REPELLENTS

Nathan L. Drake, College Heights, Md., and Sidney Melamed, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army

No Drawing. Original application January 11, 1949, Serial No. 70,384. Divided and this application August 30, 1950, Serial No. 187,832

11 Claims. (Cl. 167-30)

1. A process of rendering a fabric insect repellent comprising impregnating said fabric with 1,3-cyclohexanediol monopropanoate.

2,627,490

INSECT REPELLENTS

Paul D. Bartlett, Weston, Mass., Hyp J. Dauben, Jr., Seattle, Wash., and Abraham Schneider, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army

No Drawing. Original application January 10, 1949, Serial No. 70,142. Divided and this application October 4, 1951, Serial No. 254,631

1 Claim. (Cl. 167-30)

An *aedes aegypti* repellent composition for application to the skin, comprising N-n-amy acetanilide and a non-toxic insect-repellent-adjuvant as a carrier therefor.

2,627,491

PENICILLIN SALTS OF SUBSTITUTED ALKYLENE DIAMINES

Joseph Lester Szabo, Drexel Hill, and William F. Bruce, Havertown, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 15, 1950,

Serial No. 174,115

11 Claims. (Cl. 167-65)

4. As new compounds, the sparingly water-soluble penicillin salts of the mono- and di-substituted alkylene diamines having the formula



wherein R represents a radical selected from the group consisting of an alkyl having at least four carbon atoms, cyclopentyl, cyclohexyl, pyridyl-lower alkyl, thiophene-lower alkyl, furan-lower alkyl, quinolyl-lower alkyl, phenyl, naphthyl, diphenyl-methyl, phenyl-lower alkyl, piperonyl, halophenyl-lower alkyl, nitrophenyl-lower alkyl, hydroxyphenyl-lower alkyl, NH₂-phenyl-lower alkyl, lower-alkoxyphenyl-lower alkyl, lower alkyl-phenyl-lower alkyl, and alkoxy, hydroxyphenyl-lower alkyl radicals, and wherein R₁ represents a radical of the group consisting of hydrogen, alkyl, cyclopentyl, cyclohexyl, pyridyl-lower alkyl, thiophene-lower alkyl, furan-lower alkyl, quinolyl-lower alkyl, phenyl, naphthyl, diphenylmethyl, phenyl-lower-alkyl, piperonyl, halophenyl-lower-alkoxyphenyl-lower alkyl, lower-alkyl-phenyl-lower alkyl, and alkoxy, hydroxyphenyl-lower-alkoxyphenyl-lower alkyl, lower-alkyl-phenyl-lower alkyl, and alkoxy, hydroxyphenyl-lower alkyl radicals, while n stands for an integer from 2 to 12 inclusive.

11. A therapeutic composition comprising a liquid suspending medium, finely divided solid N,N'-dibenzylethylenediamine di-penicillin G, and a suspending agent for suspending said penicillin salt in said liquid medium.

2,627,492

WITHDRAWN

2,627,493

FLUORINE CHEWING GUM PROCESS

Frederick G. Merckel, Montclair, and Laszlo Reiner, Bloomfield, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

No Drawing. Application February 5, 1949,

Serial No. 74,854

4 Claims. (Cl. 167-93)

1. A method of making chewing gum which is adapted to supply fluorine to the user, comprising treating a gum composition that contains material which is adapted to convert a soluble flu-

oride to insoluble form, to render said composition substantially inert to soluble fluoride, by applying to the composition an acid capable of dissolving combined calcium, separating soluble materials remaining after said treatment, from the gum composition, and thereafter mixing a small amount of a soluble fluoride with said gum composition, the soluble fluoride being added in quantity to provide a prophylactically effective but non-toxic amount of fluorine in the chewing gum.

2,627,494

PRODUCTION OF BACITRACIN

Wilbur L. Kekko, Ralph E. Bennett, and Fred C. Arzberger, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application October 15, 1949,

Serial No. 121,636

11 Claims. (Cl. 195-96)

1. In a process for preparing bacitracin by the propagation of bacitracin producing strains of bacteria of the *Bacillus subtilis* group in a nutrient protein medium, the improvement which comprises propagating said organisms under aerobic conditions in a liquid protein medium containing starch in excess of the amount normally present in commercial soybean meal, calcium carbonate and a member selected from the group consisting of calcium lactate, calcium gluconate and calcium acetate.

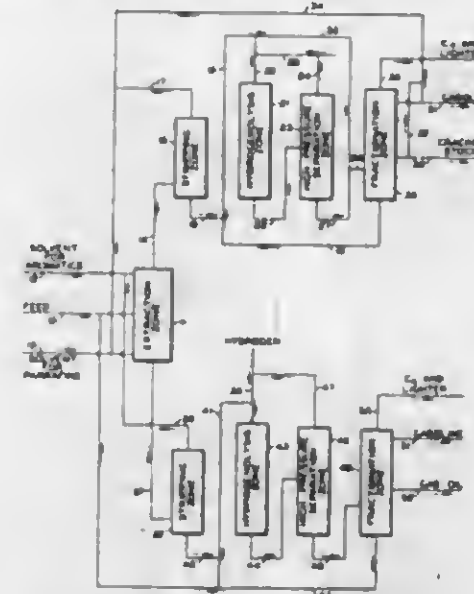
2,627,495

HYDROGENOLYSIS PROCESS FOR THE PRODUCTION OF A GOOD QUALITY GAS OIL AND GASOLINE FROM A HEAVY RESIDUUM HYDROCARBON OIL

William C. Lanning, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 25, 1949, Serial No. 129,441

5 Claims. (Cl. 196-14.11)



1. A process for the hydrogenolysis of a heavy residuum hydrocarbon oil containing both paraffins and aromatics, which comprises extracting a heavy hydrocarbon oil with a solvent which selectively dissolves aromatics, passing the paraffin raffinate to a hydrogenolysis process where it is treated at a temperature in the range of 850 to 900° F., a pressure in the range of 3500 to 5000 p. s. i., a feed rate of 0.5 to 4 liquid volumes of charge per volume of catalyst per hour, and with a hydrogen circulation of 5000 to 20,000 cubic feet per barrel of feed, separating the prod-

607 O. G.-12

ucts of this hydrogenolysis and recovering gasoline having an end boiling point of 400° F. and a good quality gas oil; separating the solvent from said aromatics, passing the aromatic extract to a hydrogenolysis process where it is treated at different conditions at a temperature in the range of 900 to 950° F., a pressure on the range of 2000 to 4000 p. s. i., a feed rate of 0.5 to 4 liquid volumes of charge per volume of catalyst per hour, and with a hydrogen circulation rate in the range of 5,000 to 10,000 cubic feet per barrel of feed, separating the products of this second hydrogenolysis and recovering a good quality gasoline, and recycling the gasoline boiling range materials from the paraffin hydrogenolysis product to said extraction as a solvent for paraffins.

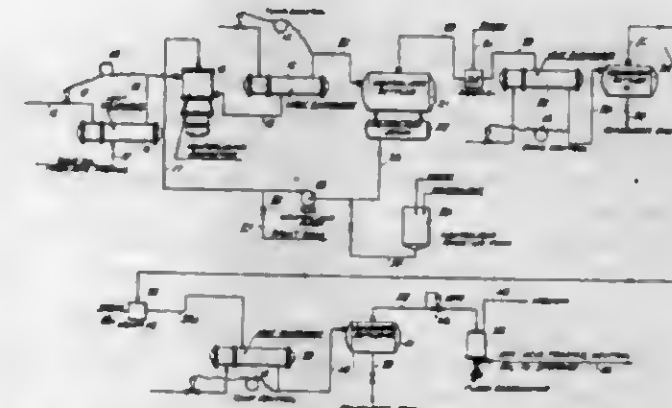
2,627,496

PROCESS FOR WASHING ACID TREATED DISTILLATE

Charles Walcott Stratford, Kansas City, Mo., assignor to Stratford Engineering Corporation, Kansas City, Mo., a corporation of Delaware

Application February 25, 1950, Serial No. 146,378

3 Claims. (Cl. 196-41)



1. A process of neutralizing and finishing lubricating oil preliminarily treated with acid, comprising the steps of contacting the acid treated oil with a neutralizing agent in amounts sufficient to neutralize the oil and separating the neutralizing agent from the oil, then contacting the oil in a closed system with steam and finally condensing the steam and separating the oil from the condensed steam.

2,627,497

PEBBLE HEATER APPARATUS AND METHOD FOR HEAT EXCHANGE

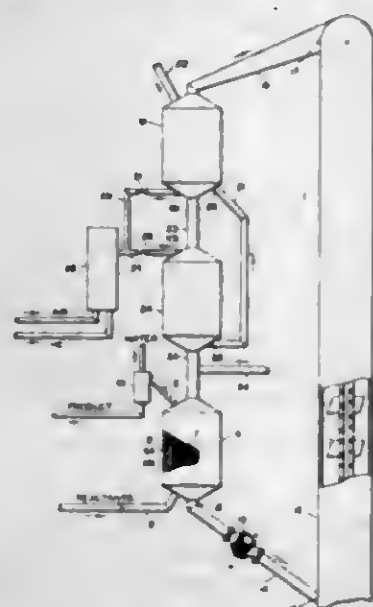
Sam P. Robinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application January 2, 1948, Serial No. 136

13 Claims. (Cl. 196-55)

1. In a continuous process for the transfer of heat from a heating zone to an absorption zone which comprises passing a stream of solid heat transfer elements through a series of zones comprising at least a preheating zone, a tempering zone and an absorption zone, the improvement which comprises passing the elements through said preheating zone in direct contact with a countercurrent stream of hot gases; passing the preheated elements through said tempering zone in the absence of combustion therein and in direct contact with a concurrent stream of hot gases of sufficient temperature and quantity and for a sufficient period of time to temper said elements and approximate a state of thermal equilibrium between hot gases and elements; passing the elements from said tempering zone into and

through said absorption zone whereby heat is supplied to said absorption zone; and returning



the elements to said preheating zone for recycling.

2,627,498

PROCESS FOR OXIDIZING ASPHALT

Dale F. Fink, Wood River, Robert A. Greger, Edwardsville, and Frederick R. Alsberg, East Alton, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 26, 1949, Serial No. 117,952

7 Claims. (Cl. 196-74)

5. The method of treating an asphaltic residuum which comprises preheating a mixture of 80 to 98 parts by weight of said residuum with 2 to 20 parts by weight of petrolatum at a temperature of 150 to 600° F. for 0.5 to 336 hours in the substantial absence of oxygen but in the presence of 0.1 to 5% by weight of a Friedel-Crafts catalyst and subsequently air-blowing the preheated material at a temperature of 325 to 550° F. for 0.5 to 24 hours.

2,627,499

CATALYTIC DISTILLATION OF SHALE

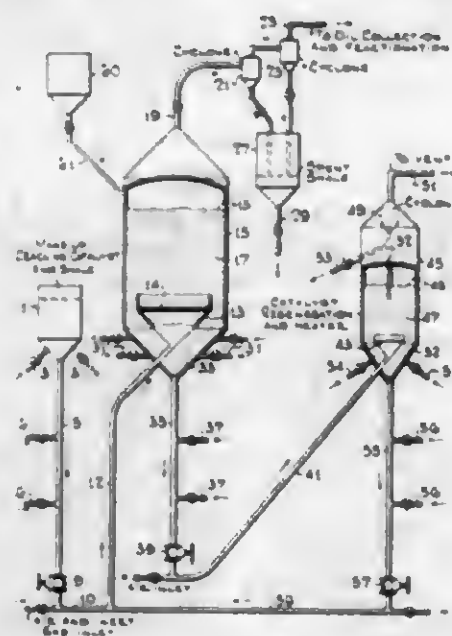
Robert W. Krebs, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 11, 1947, Serial No. 754,028

12 Claims. (Cl. 202-6)

8. In the method of distilling oil-bearing minerals which tend to disintegrate upon distillation, to produce therefrom volatile products rich in gasoline-range constituents by subjecting the finely divided starting material to distillation temperatures in a dense turbulent mass of finely divided solids fluidized by an upwardly flowing gas in a distillation zone, the improvement which comprises admixing with said material undergoing distillation a relatively disintegration resistant cracking catalyst having a particle size substantially larger than 50 microns, the particle size of said material after distillation being substantially smaller than 50 microns and amounting to less than about 60% by weight of said mass so as to maintain a well fluidizable particle size distribution in said mass, recovering a gas-distillate mixture containing cracked gasoline from said distillation zone, controlling the superficial velocity of said gas so that particles of said material disintegrated to said size reached after distillation are preferentially entrained and carried

out of said mass by said mixture and catalyst particles are preferentially retained, withdrawing solids consisting predominantly of catalyst from said mass separately from said material and said mixture, passing said withdrawn solids to a re-



generation zone, contacting said withdrawn solids in said regeneration zone with a combustion-supporting gas to burn off carbon from said catalyst and to regenerate said catalyst, and returning said regenerated catalyst to said distillation zone.

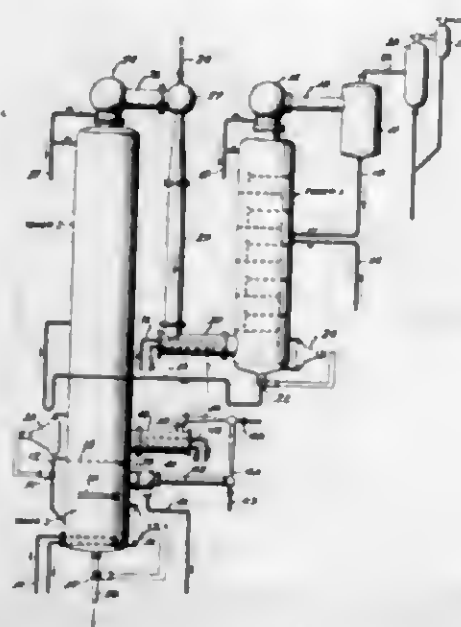
2,627,500

DISTILLATION OF FATTY ACIDS, TALL OIL, AND THE LIKE

Ralph H. Potts, La Grange, and Roy N. Olson, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

Application December 15, 1947, Serial No. 791,857

9 Claims. (Cl. 202-46)



6. In a process for treating fatty acids and tall oil, the steps of subjecting the material to be distilled to a plurality of separate distillation operations, condensing vapors from a plurality of said distillation operations, withdrawing a portion of the condensate, passing steam in a plurality of streams past said zones and in open communication with the condensing zone thereof, and passing each of said steam streams into preceding distillation zones.

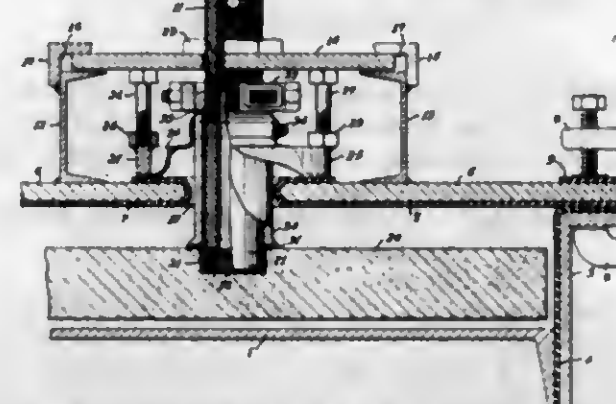
2,627,501

APPARATUS FOR ELECTROLYSIS OF ALKALI METAL COMPOUNDS

William C. Gardiner, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia

Application June 15, 1948, Serial No. 33,160

4 Claims. (Cl. 204-225)



1. In an apparatus for electrolysis of alkali metal compounds, a cell having a conducting cathodic bottom, sides extending upwardly from said bottom, and a cover having a hole therein mounted on said sides; a rubber lining covering the inner surface of said cell, the rubber lining extending through said hole and covering the outer surface of said cover adjacent said hole; an anode positioned within said cell; and means for adjustably positioning said anode above said conducting cathodic bottom during operation of said cell comprising a supporting structure mounted on said cell, said supporting structure having a horizontal member above said cover with an upper surface and a lower surface, a threaded metal lead-in attached to said anode and extending upwardly through said cover hole, an adjusting nut threaded on said lead-in and engaging the upper surface of said horizontal member for the adjustable suspension of said anode above said conducting cathodic bottom, a flexible rubber sleeve having its lower portion in sealing contact with the portion of said rubber lining covering the outer surface of said cover, said rubber sleeve surrounding said lead-in upwardly of said cover, adjustable means extending between the lower portion of said sleeve and the lower surface of said horizontal member for pressing said sleeve and said rubber lining into tight sealing contact, and means in engagement with the upper portion of said rubber sleeve for forming a seal between said upper portion of said sleeve and said lead-in.

2,627,502

BOILER WATER TREATMENT

Paul G. Bird, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 7, 1949, Serial No. 92,090

5 Claims. (Cl. 210-23)

3. A method of generating steam in steam boilers operating below about 300 pounds per square inch but above the boiling point of water which comprises adding to the feed water to the boiler where the steam is generated 1 to 10 parts per million parts of water by weight of an alkali metal phosphite and a quantity of a catalyst from the group consisting of manganese salts, copper salts, nickel salts and cobalt salts, said salts being soluble in said water and being effective to catalyze the reaction of oxygen with phosphites to form phosphates, and boiling said water under said steam generating conditions, the quantity of said salts being sufficient substantially to reduce said oxygen corrosion.

2,627,503

WATER SOFTENER

Edwin F. Anderson, Salt Lake City, Utah, assignor to Antone D. Elmer and Florence G. Elmer, as joint tenants

Application February 24, 1948, Serial No. 10,259

5 Claims. (Cl. 210-24)



1. A water softener, comprising two closed tank chambers disposed one above the other, the lower serving to contain the softening agent, and the upper serving to supply a regenerative brine solution; a screened passage establishing liquid flow communication between the two chambers; a conduit extending into the lower part of the lower chamber from the exterior of the softener; flow diffusing spider nozzle at the interior end of said conduit, said conduit being in the form of a valved standpipe extending axially through both chambers to a termination short of the bottom of the lower chamber, and connecting with the spider nozzle centrally thereof; a valved drainage pipe leading to the exterior of the softener from a connection with said standpipe above said spider nozzle; a second conduit extending into the upper chamber from the exterior of the softener; an opening into the lower chamber from the exterior of the softener, for the introduction of a softening agent; means normally closing said opening; an opening into the upper chamber from the exterior of the softener for permitting the introduction of a regenerative salt into said chamber from time to time; and means normally closing said opening.

2,627,504

DIELECTRIC CONTAINING HALOGENATED AROMATIC HYDROCARBON AND MONO ORTHO TOLYL BIGUANIDE AS CORROSION INHIBITOR

Edgar E. Hardy, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application July 14, 1948, Serial No. 38,733

6 Claims. (Cl. 252-63.7)

1. A heat transfer and dielectric composition consisting essentially of chlorinated biphenyl and from about 0.05% to about 1% by weight of mono ortho tolyl biguanide.

2,627,505

RELATIVE HUMIDITY INDICATOR

Manfred E. Goodwin and Edgar A. Simpson, Baltimore, Md., assignors to The Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland

No Drawing. Application April 11, 1951, Serial No. 220,526

19 Claims. (Cl. 252-408)

1. A relative humidity indicator changing col-

or in the range of 30 to 80% R. H., comprising a major proportion of a carrier impregnated with cobalt chloride, zinc chloride and a chloride of a metal selected from a group consisting of manganese and groups IA and IIA of the periodic system, said chlorides being present in amounts sufficient to indicate relative humidities of 30 to 80%.

2,627,506

PREPARATION OF METAL OXIDE GEL CATALYSTS

Edward A. Hunter and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 7, 1949,

Serial No. 82,072

11 Claims. (Cl. 252-463)

1. A method of preparing metal oxide gels which comprises reacting a salt of a polyvalent metal selected from the group consisting of beryllium, aluminum, titanium, zirconium, tin, thorium, chromium and iron with an excess of magnesia in order to form the corresponding metal oxide hydrogel containing unreacted excess magnesia dispersed therein, soaking the magnesia-containing hydrogel with a solution of a salt of a metal less basic than magnesium and selected from the group consisting of copper and the metals contained in groups II, III, IV, VI, VII and VIII of the periodic table thereby forming the corresponding magnesium salt and precipitating an equivalent amount of said metal within the hydrogel as a hydrous oxide, washing out the magnesium salt, drying and calcining the hydrogel.

2,627,507

PAD DYEING COMPOSITION

Joseph M. Kuhn, Haddonfield, N. J., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 20, 1951,

Serial No. 237,833

15 Claims. (Cl. 260-15)

1. A resin-in-water emulsion suitable for use in pad dyeing baths in which the resinous binder comprises a water-insoluble cellulose ether, a water-insoluble alkylated melamine-aldehyde resin and a non-volatile plasticizer, said resinous binder having dispersed therein an insoluble pigment, and in which emulsion the aqueous phase comprises water, said emulsion being free of water-insoluble organic solvents and containing less than 5% by weight of a water-soluble organic solvent.

2,627,508

LONG OIL ALKYD RESINS

Funston G. Lum, Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 27, 1949,

Serial No. 101,680

18 Claims. (Cl. 260-22)

1. An alkyd resin consisting of a product of condensation of a phthalic acid in which the carboxyl groups are separated from each other by at least 3 carbon atoms of the benzene ring and which is free from reactive substituents other than said carboxyl groups, with the product of alcoholysis of a semi-drying oil by pentaerythritol, said product of alcoholysis essentially consisting of a mixture of partial esters of polyhydric alcohols from the group consisting of pentaerythritol

and glycerol, and containing on the average from 1.5 to 2.4 hydroxyl groups per molecule, said alkyd resin having a semi-drying oil length of 70 to 80%, calculated as triglyceride, an acid number of less than 15 and being further characterized by its ability to dissolve in 350 mineral spirits to produce a 60% solution having a viscosity of at least 4 poises at 25° C. and a tack-free drying time of about 2 hours.

2,627,509

VINYL COPOLYMERS AND PROCESS

James A. Arvin, Homewood, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 26, 1949,

Serial No. 112,849

35 Claims. (Cl. 260-22)

1. The process of producing a fluid homogeneous copolymer which comprises copolymerizing a quantity of a monomeric vinyl compound containing a single vinyl group as the sole reactive group, said vinyl compound being from the group consisting of aromatic vinyl hydrocarbons containing a single vinyl group as the sole reactive group, monovinyl esters of saturated fatty acids containing 2 to 4 carbon atoms, monovinyl halides, acrylic acid esters and acrylonitrile, and a quantity of a substance from the group consisting of non-bodied, non-conjugated, unsaturated fatty oil acids and polyhydric alcohol esters thereof, at temperatures within the range of from 325° F. to 550° F. in the presence of sulfur dioxide, the quantity of said monomeric vinyl compound being 5% to 50% by weight of the resultant copolymer.

2,627,510

INHIBITION OF GELATION OF POLYMERIZABLE MIXTURES

Earl E. Parker, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application January 19, 1948,

Serial No. 3,179

3 Claims. (Cl. 260-45.4)

1. In the method of treating a copolymerizable mixture of (A) a polyester of an alpha-beta ethylenic, alpha-beta dicarboxylic acid and (B) an ethylenic compound copolymerizable therewith, the mixture being subjected to a prolonged period of storage in uncatalyzed state and to a substantial period of storage after the addition of peroxide catalysts of polymerization; the steps comprising incorporating into the mixture before the periods of storage, chloranil and a trialkyl benzyl ammonium chloride in amounts to inhibit premature gelation of the mixture during said periods of storage.

2,627,511

ANTIOXIDANT FOR PETROLEUM PRODUCTS

Allen R. Jones, Roselle, and John O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 30, 1950,

Serial No. 182,422

11 Claims. (Cl. 252-48.2)

1. A mineral oil composition containing an oxidation inhibiting amount of a product obtained by reacting substantially equimolar amounts of an aryl sulfonyl halide and an alkali metal mercaptide at a temperature of 20 to 100° C., the organic group of said mercaptide being an alkyl group containing 5 to 30 carbon atoms.

2,627,512

COPOLYMERS OF ACRYLONITRILE WITH N-ACROYL N'-ALANYL METHYLENE DIAMIDES

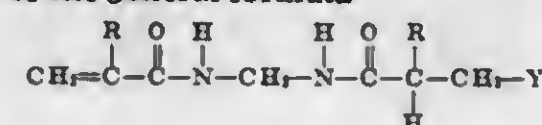
Ernst Zerner and Mark W. Pollock, New York, N. Y., assignors to Sun Chemical Corporation, Long Island City, N. Y., a corporation of Delaware

No Drawing. Application July 20, 1951,

Serial No. 237,822

5 Claims. (Cl. 260-85.5)

1. As a new product, a copolymerization product of from 90% to 99% by weight of acrylonitrile with from 10% to 1% by weight of a compound of the general formula



where R is a member of the group consisting of hydrogen and methyl, and where Y is the residue of a compound selected from the group consisting of aliphatic amines, alicyclic amines, and heterocyclic amines, the said amines having at least one hydrogen attached to the amino nitrogen atom, the point of attachment of the said residue being at the amino nitrogen thereof.

2,627,513

SEGREGATION OF HYDROCARBONS WITH UREA AT LOW TEMPERATURES

William F. Arey, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 6, 1949, Serial No. 85,867

2 Claims. (Cl. 260-96.5)



1. Improved process for the segregation of normal aliphatic hydrocarbons from other types of hydrocarbons which comprises contacting said hydrocarbons with urea at temperatures below 32° F. in the presence of less than 5 volume per cent methanol based on the feed.

2,627,514

BLOWN TALL OIL REACTION PRODUCTS

Willard H. Kirkpatrick, Sugar Land, Tex., and Earl T. Koehler, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Original application March 26, 1948, Serial No. 17,386. Divided and this application March 16, 1951, Serial No. 218,088

4 Claims. (Cl. 260-97.5)

1. The product of the reaction of a blown tall oil, an alkylamine, an acidic salt of a metal forming an amphoteric hydroxide and a mixed ester resulting from the reaction of a polyhydric alcohol and a mixture of at least two dissimilar unsaturated carboxy acids wherein at least one of said acids is a monocarboxy carbocyclic natural resin acid and another is a fatty acid having at least 8 carbon atoms in an acyclic chain, the proportions of said acidic salt being within the range of 0.5 to 8% by weight of said alkylamine, the proportions of the blown tall oil being within the range of 10%

to 25% by weight of the resultant reaction product, the proportions of said mixed ester being within the range of 45% to 65% by weight of the resultant reaction product, and the proportions of alkylamine being within the range of 20% to 40% by weight of the resultant reaction product, the molal ratio of amino groups to acidic groups being within the range of 3:1 to 1:3, and said reaction being effected at temperatures of 175° C. to 300° C. to an extent sufficient to produce a water-wettable, interfacial and surface-active product.

2,627,515

PRODUCTION OF ORGANIC ACID ESTERS OF CELLULOSE

Blanche B. White, Summit, and Peter Blackman, Westfield, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application April 13, 1951,

Serial No. 220,976

14 Claims. (Cl. 260-229)

1. A process for the production of organic acid esters of cellulose from cellulosic material, which comprises pretreating cellulosic material with a mixture of a lower aliphatic acid and an acid cellulose esterification catalyst, said mixture containing from about 7.5 to 25 parts by weight of the esterification catalyst for each 100 parts by weight of the lower aliphatic acid, in the presence of from about 8 to 20 parts by weight of water for each 100 parts by weight of the lower aliphatic acid, and esterifying the pretreated cellulosic material with an organic acid anhydride.

2,627,516

ACTIVATION AND ESTERIFICATION OF AMYLACEOUS POLYSACCHARIDES

Roland L. Lohmar, Jr., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 22, 1949

Serial No. 128,900

12 Claims. (Cl. 260-233.3)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. The method which comprises heating natural starch granules in the presence of an activating agent essentially consisting of a member of the group consisting of pyridine and picoline at 100° C. to 150° C. for fifteen minutes to one hour, not more than 15% water being present throughout the heating, to prevent gelatinization, any water initially present being boiled off during the heating, and recovering the activated polysaccharide.

2,627,517

BASICALLY SUBSTITUTED 10-PHENOTHIAZINECARBOXAMIDES

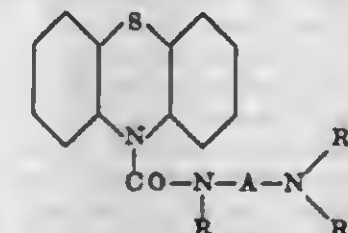
John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application September 1, 1950,

Serial No. 182,879

8 Claims. (Cl. 260-243)

7. The new class of basically substituted phenothiazinecarboxamides of the structural formula



and salts thereof, wherein A represents a lower, bivalent, saturated, aliphatic hydrocarbon radi-

cal containing at least two carbon atoms, R represents a member of the class consisting of hydrogen, lower alkyl, lower cycloalkyl, phenyl, chlorinated phenyl, and lower phenylalkyl radicals, and NR'R'' represents a member of the class consisting of lower dialkylamino radicals, morpholino radicals, pyrrolidino radicals, and piperidino radicals.

2,627,518

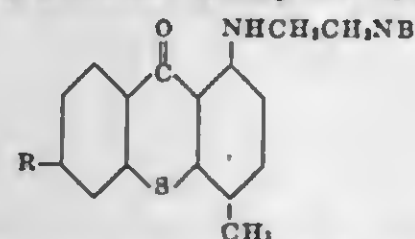
1-(2-N-PIPERIDINOETHYLAMINO)-4-METHYLTHIAXANTHONES AND THEIR PREPARATION

Sydney Archer, Albany, N. Y., assignor to Sterling Drug Inc. New York, N. Y., a corporation of Delaware

No Drawing. Application November 22, 1950, Serial No. 197,173

16 Claims. (Cl. 260-293.4)

1. A thiaxanthone having the formula



where R is selected from the group consisting of hydrogen, halo groups, lower alkyl radicals and lower alkoxy radicals and NB is selected from the group consisting of N-piperidino radicals and lower alkylated N-piperidino radicals.

2,627,519

WITHDRAWN

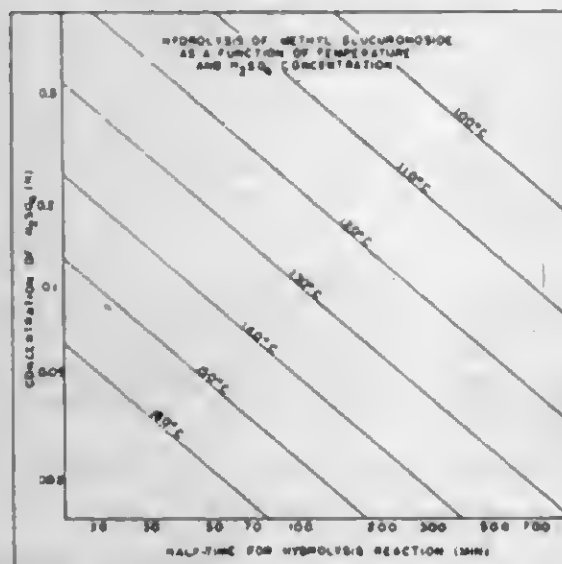
2,627,520

PROCESS FOR THE RECOVERY OF GLUCURONOLACTONE

Donald G. Benjamin, Maywood, and Spiro W. Kapranos, Clarendon Hills, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application October 17, 1950, Serial No. 190,862

28 Claims. (Cl. 260-344)



28. The process of recovering glucuronolactone in crystalline form from aqueous mixtures containing methyl glucuronoside resulting from the oxidation of methyl glucoside, which comprises separating the acidic components from the mixture by treatment with cation exchange resin, then with anion exchange resin, and then with a cation exchange resin, whereby an aqueous solution of acidic components including methyl glucuronoside is obtained, concentrating the so-

lution to about 30 per cent but not exceeding about 50 per cent dry substance, adding thereto an acid from the group consisting of sulfuric and hydrochloric acids, the amount of sulfuric acid added being sufficient to adjust the normality of the solution to 0.3 to 2.0 and the amount of hydrochloric acid added being sufficient to adjust the normality of the solution to 0.1 to 0.5, heating the resultant acidified concentrated solution until hydrolysis of the methyl glucuronoside therein is about 60 per cent to about 85 per cent complete, concentrating the hydrolysate under vacuum at a temperature not exceeding 60° C. to about 80 to about 85 per cent solids content exclusive of the mineral acid, allowing the resultant concentrate of glucuronolactone to crystallize, and separating the crystals from the mother liquor.

2,627,521

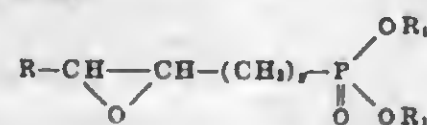
EPOXY ALKANE PHOSPHONATES

Harry W. Coover, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 27, 1950, Serial No. 187,128

13 Claims. (Cl. 260-348)

1. An epoxyalkane phosphonate having the general formula:



wherein y represents a positive whole number selected from the group consisting of 1 and 2, R represents a member selected from the group consisting of an atom of hydrogen, an alkyl group containing from 1 to 4 carbon atoms and a phenyl group, and R1 represents a member selected from the group consisting of an alkyl group containing from 1 to 4 carbon atoms and a phenyl group.

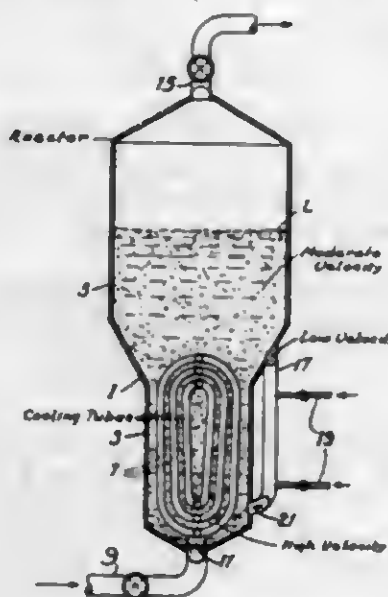
2,627,522

METHOD AND APPARATUS FOR CARRYING OUT EXOTHERMIC CATALYTIC REACTIONS

Robert W. Krebs, Baton Rouge, La., and Warren K. Lewis, Jr., East Orange, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application October 29, 1948, Serial No. 57,366

7 Claims. (Cl. 260-449.6)



1. In the process of synthesizing hydrocarbons by reacting carbon monoxide and hydrogen at a desirable reaction temperature in the presence of

a dense turbulent mass of finely divided synthesis catalyst fluidized by gaseous reactants flowing upwardly at a fluidizing velocity of about 0.1-2 ft. per second, to resemble a boiling liquid having a well defined upper level, the improved method of maintaining said reaction temperature at a desired level which comprises passing a portion of the gaseous reactants at a velocity about 4-20 times higher than that fluidizing velocity upwardly through a first contacting zone containing synthesis catalyst particles of fluidizable size in turbulent suspension, maintaining a heat exchange fluid in indirect heat exchange relation to said turbulent suspension in order to cool said catalyst particles to a temperature substantially lower than said desirable reaction temperature, starting said reaction in said contacting zone, controlling said higher velocity so that said catalyst particles move upwardly through said zone in turbulent flow, discharging the effluent mixture of gas and catalyst particles from said first contacting zone upwardly into a second contacting zone, separately supplying fresh synthesis gas to the lower part of said second contacting zone, controlling superficial velocity of vaporous constituents through said second contacting zone to form a dense, fluidized mass of catalyst particles having a definite level, carrying out a substantial conversion of carbon monoxide and hydrogen to hydrocarbon materials in said second contacting zone, withdrawing products of reaction from said second contacting zone, separating normally gaseous materials from the reaction mixture and recycling the separated normally gaseous materials to said first contacting zone, conveying catalyst from said second to said first contacting zone under the pseudo-hydrostatic pressure of said fluidized mass, and controlling the circulation of catalyst between said zones at such a rate that said desirable reaction temperature is maintained in said second contacting zone by the cooling effect of said catalyst particles supplied from said first contacting zone.

2,627,523

S-(SULFURIZED TERPENE HYDROCARBON) DITHIOPHOSPHORIC ACID TRIESTERS AND METHODS OF PRODUCING THE SAME

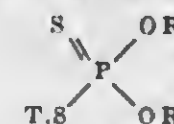
Edwin O. Hook, New Canaan, and Lindley C. Beegle, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 30, 1950, Serial No. 182,394

3 Claims. (Cl. 260-461)

1. An S-(sulfurized terpene) O,O-dialkyl-

dithiophosphate having the formula



in which T is the residue of a sulfurized terpene hydrocarbon and each R is an aliphatic radical of from 1 to 18 carbon atoms.

2,627,524

HYDROXY CARBAMATES AND PROCESS OF PRODUCING SAME

John David Malkemus, Austin, Tex., assignor to Jefferson Chemical Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 17, 1949, Serial No. 128,000

18 Claims. (Cl. 260-482)

1. A hydroxy carbamate from the group consisting of lower-hydroxyalkyl and lower-hy-

droxyalkenyl carbamates in which the hydroxy and carbamate radicals are on adjacent carbon atoms.

2,627,525

CONCENTRATION OF METHIONINE IN AMINO ACID MIXTURES

Robert A. Noll, Newport, Ky., and Orville D. Frampton, Wyoming, Ohio, assignors to National Distillers Products Corporation, a corporation of Virginia

No Drawing. Application September 27, 1950, Serial No. 187,150

2 Claims. (Cl. 260-529)

1. In the process of recovering amino acids from protein containing material which comprises hydrolyzing such material with a hydrolyzing acid, thereby producing a mixture of amino acids, thereafter selectively separating the glutamic acid from such mixture, thereby producing a residue of the remaining amino acids, the improved method of concentrating methionine from such residue comprising contacting such residue at a solids concentration of from 1-5% and at a pH of from 3-4.5 with cuprous chloride in amount sufficient to yield 0.25 to 1.0 mol of copper for each mol of nitrogen present, thereby producing a copper methionine precipitate, separating such precipitate and recovering methionine therefrom.

2,627,526

PREPARATION OF UNSYMMETRICAL SECONDARY AMINES

Paul L. Du Brow, Chicago, and James Harwood, Western Springs, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 7, 1949, Serial No. 114,457

8 Claims. (Cl. 260-583)

1. In a process for the preparation of unsymmetrical secondary amines, the steps of reacting a higher primary aliphatic amine with a nitrile selected from the group consisting of acrylonitrile and 3-chloropropanenitrile to form a 2-cyanoethylaliphatic amine, treating the 2-cyanoethylaliphatic amine with an alkylating agent to form a tertiary amine, and pyrolyzing the tertiary amine to produce unsymmetrical secondary amines.

2,627,527

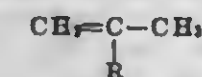
OXIDATION OF OLEFINS TO ALKENALS

Gerald C. Connolly, Elizabeth, and Delmer L. Cottle, Highland Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 14, 1948, Serial No. 27,148

11 Claims. (Cl. 260-604)

1. The process of preparing an unsaturated aldehyde which comprises passing an olefinic hydrocarbon having the formula



where R is selected from the group consisting of hydrogen and a methyl radical at a temperature of from 175° C. to 450° C., together with gases containing molecular oxygen over a catalyst consisting of silica gel impregnated with a copper compound containing essentially cupric oxide.

2,627,528

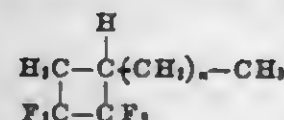
FLUORINE-CONTAINING LUBRICANT

Harry L. Coonrad, Woodbury, Barton W. Rope, Mullica Hill, and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application August 10, 1950, Serial No. 178,747

3 Claims. (Cl. 260-648)

1.



wherein n is an integer from about eleven to about nineteen.

ELECTRICAL

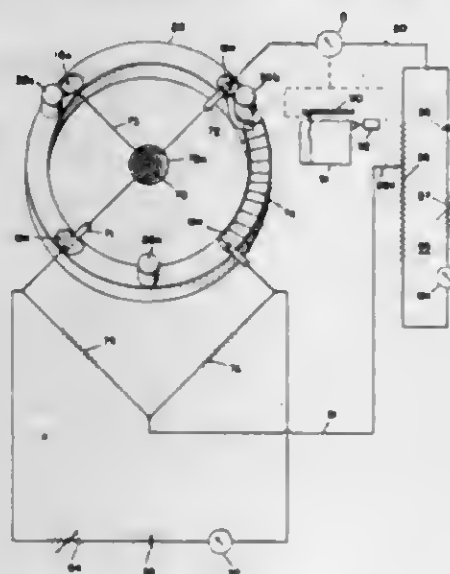
2,627,530

AMBIENT-TEMPERATURE COMPENSATED DEVICE

William G. Fastle, Owings Mills, Md., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 29, 1952, Serial No. 290,665

2 Claims. (Cl. 136-4)



1. A heat-sensitive device comprising a target having a fine temperature-sensitive resistance element distributed over its surface area and characterized by low loss of heat therefrom, conductors forming electrical connections to said element, solid heat-conduction paths from said element, said heat-conduction paths including said conductors having small cross-sectional areas to minimize loss of heat through them, heat also being lost other than through said solid conduction paths as through a radiation path, said solid conduction paths including a thermal shunt comprising a metallic member having a coefficient of thermal conductivity of one sign, other of said heat-conduction paths having coefficients of thermal conductivity of sign opposite to that of said thermal shunt, and the dimensions establishing the heat loss through each of the paths establishing approximate equality between a first ratio of the sum of the respective heat loss factors of all heat loss paths to the sum of the respective products of each of said heat loss factors and the respective temperature coefficients of thermal conductivity of each of said paths and a second ratio of a temperature-voltage constant

PYROLYSIS OF DIFLUOROMONOCHELORETHANE

Charles F. Feasley and William A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application October 23, 1947, Serial No. 781,755

4 Claims. (Cl. 260-653)

1. A method of converting 1,1-difluoro-1-chloroethane into 1,1-difluoroethylene and 1-chloro-1-fluoroethylene and polymers or copolymers thereof that comprises pyrolyzing the 1,1-difluoro-1-chloroethane at a temperature of between about 1500° F. and about 1700° F. for a period of time varying between about 1.9 seconds and about 80 seconds.

A to a temperature-voltage constant C, said constants A and C having values which satisfy the equation

$$\Delta V = (A + CT) \Delta T$$

where

ΔV = the voltage change for a small change in temperature, ΔT , and

T = the ambient temperature above a reference level.

2,627,531

POROUS ELECTRODE

Hans Vogt, Malarhöjden, near Stockholm, Sweden

Application December 8, 1948, Serial No. 64,197

In Sweden December 15, 1947

8 Claims. (Cl. 136-20)



1. An electrode for accumulators containing an electro-chemically active substance and having a body comprised of two intertwined yet distinct porous masses of a distinctly different order of pore size, said larger-pored mass being of irregular conformation and said smaller-pored mass being a sinter mass of substantially uniform porosity, with said electro-chemically active substance contained within the pores of said smaller-pored mass.

2,627,532

ELECTRIC BATTERY WITH CROSS-OVER INTERCELL CONNECTORS

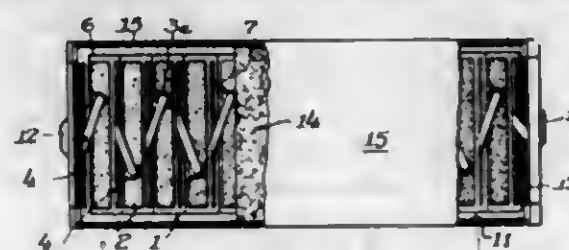
Milton Edward Wilke, Freeport, Ill., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware

Application February 5, 1948, Serial No. 6,425

10 Claims. (Cl. 136-111)

10. A battery comprising a series of juxtaposed flat cells, each cell having a metallic terminal and a carbon rod terminal both projecting above said cell, intercell connectors integral with said metallic terminals and electrically connecting said cells in series, both terminals in alternate cells in said series being disposed on one side of

the middle and both terminals of the remaining alternate cells being disposed on the other side of the middle thereof, the arrangement being such that terminals of adjacent cells connected by



said connectors are spaced laterally as well as longitudinally of said battery to provide access to battery sealing material between said terminals.

2,627,533

BATTERY TERMINAL POST MOUNTING

Henry E. Jensen, Norristown, Pa., assignor to C & D Batteries, Inc., Conshohocken, Pa., a corporation of Pennsylvania

Application July 19, 1951, Serial No. 237,499

3 Claims. (Cl. 136-135)



1. In a battery terminal post sealing assembly, the combination of a plastic battery cover having a terminal post hole, a terminal post for insertion through said hole in said cover with a part protruding above said cover and a part below and inwardly spaced from the inner face of said cover, a thread on said protruding part, a plastic nut for said post to seat on the outer face of said cover, solvent means bonding said nut as an integral part of said cover, and means on said nut forming a clearance encircling said post to receive grease as a seal for said post thread.

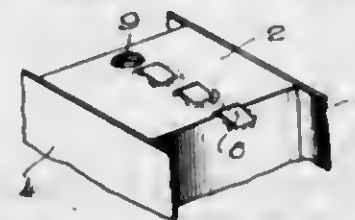
2,627,534

BATTERY WITH CONDUCTIVE CEMENT INTERCELL CONNECTIONS

Ray D. Arbogast, Freeport, Ill., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware

Application December 18, 1948, Serial No. 65,600

4 Claims. (Cl. 136-175)



1. The method of making a dry battery from cells each having two terminals at the top thereof at least one of which is a metallic terminal, which comprises arranging said cells in juxtaposition, applying a seal to the tops of the cells leaving the terminals exposed, applying an electrically conductive cement which is fluid at room temperature to a surface of the metallic terminals and while the cement is still fluid bending the metallic terminals to bring the surfaces thereof to which the cement has been applied into engagement with the terminals to be connected therewith.

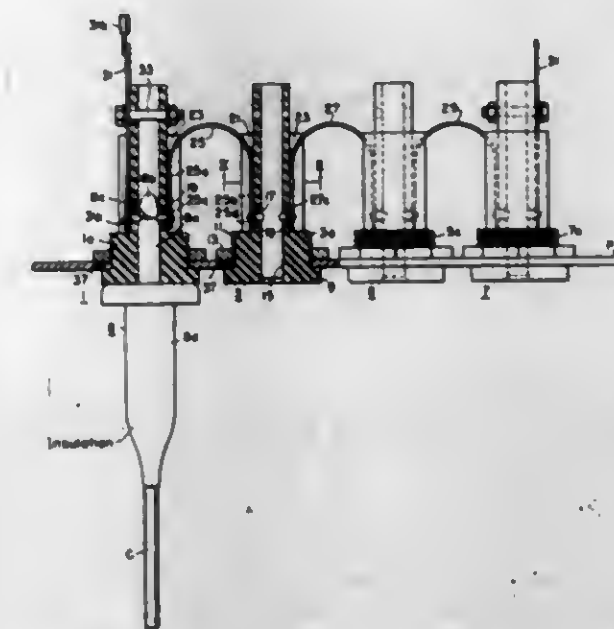
2,627,535

MULTIPLE SOCKET ELECTRICAL CONNECTION DEVICE

Rathbun B. Squires, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 14, 1950, Serial No. 155,974

5 Claims. (Cl. 173-334)



2. In a connection device for receiving electrical plugs, first and second spaced insulating receptacles each having an opening for reception of an electrical plug, a supporting structure for supporting the receptacles, with the openings substantially parallel, a first U-shaped electroconductive spring extending between said receptacles and having a separate leg adjacent each of the receptacles, each of said receptacles having an aperture extending from the associated opening to a position adjacent the associated leg of the spring, each of said legs having a contact end projecting therefrom through the adjacent one of said apertures and projecting into the adjacent one of the openings, said spring biasing said contact ends into said openings.

2,627,536

ELECTRONIC TUBE BASE AND THE LIKE

Richard L. Elliott, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application May 28, 1949, Serial No. 96,119

4 Claims. (Cl. 173-361)

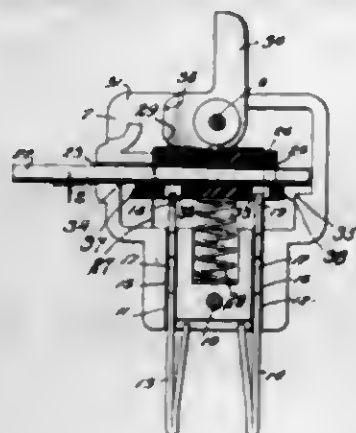


1. An electronic tube or the like comprising a hollow envelope, at least one flexible electrical conductor emerging from said envelope, a rigid hollow terminal pin receiving said conductor and being electrically connected therewith, and a unitary support of resilient insulating material cast around said conductor, an end portion of said pin, and at least a portion of said envelope and within said terminal around said conductor.

2,627,537

ATTACHMENT PLUG

Sidney M. Weisberg, Newark, N. J., assignor to Allied Electric Products, Inc., Irvington, N. J., a corporation of New Jersey
Application August 6, 1949, Serial No. 108,909
1 Claim. (Cl. 173-381)

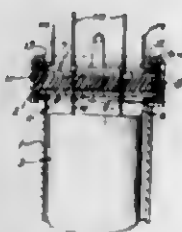


An attachment plug or similar device for quick connection to and quick disconnection from a flat parallel conductor cord comprising a body, spaced contact blades anchored in said body and having pointed inner ends laterally offset to opposite sides of a common center line between the inner ends of the spaced blades, a cord receiving member supported in said body over the inner ends of said blades and guided for movement in the body toward and away from said inner ends of the blades, said member having a cord passage extending therethrough laterally widened in cross sectional shape to closely confine and disposed to position a flat parallel conductor cord with the conductors of said cord aligned with the pointed inner ends of the contact blades, said member having blade receiving openings in the side of the same extending from said cord passage and faced toward said pointed inner ends of the contact blades to admit said pointed ends into said cord passage into engagement with the respective conductors of a cord confined in said passage and reversely acting means on said body for forcing said member toward and holding the same in position over said pointed inner ends of the blades and for shifting said member away from said pointed inner ends of the blades whereby to impale and secure the conductors on or to strip them off from the ends of the blades.

2,627,538

CONDENSER WITH SUPPLEMENTAL SEALING MEMBER THEREIN

Joseph B. Brennan, Cleveland, Ohio
Application January 18, 1950, Serial No. 139,243
1 Claim. (Cl. 174-52)



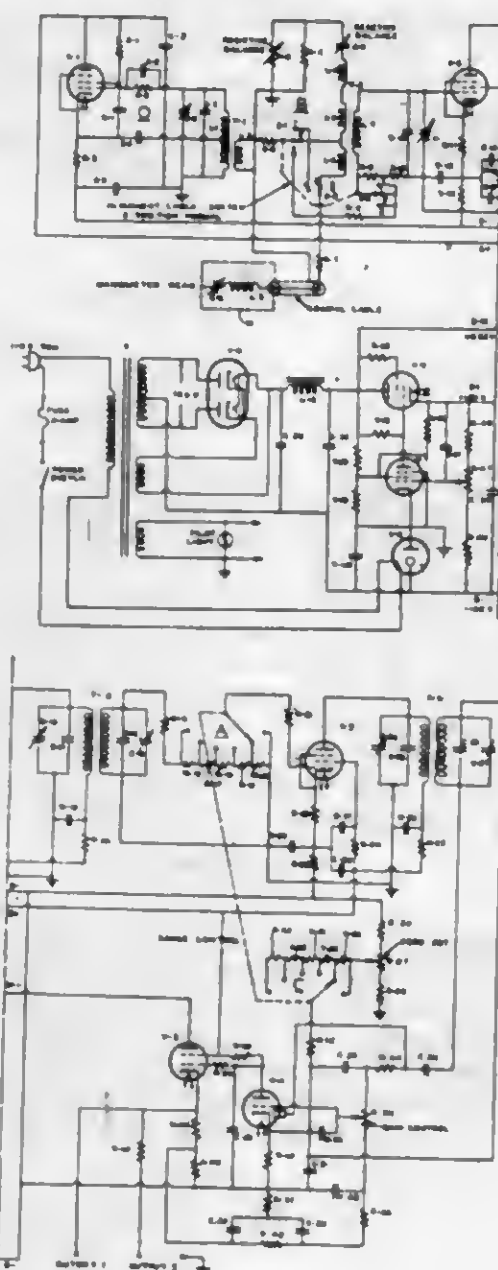
In a condenser, a can having an open end with an internal shoulder near such open end, a condenser section within said can, a terminal for said condenser section extending to said can end and being adjacent the inner surface thereof, distortable sealing means positioned radially intermediate said can and said terminal and extending around the said can adjacent the inner

wall thereof, and laminated sealing members including a resilient lamina positioned in the can end and compressed axially thereof against said shoulder by an inwardly turned part of the can to force said resilient lamina to protrude radially of said can, said laminated sealing members also including at least one lamina made from dielectric material, said terminal lying between the radially outer edges of said sealing members and the radially inner surface of said sealing means.

2,627,539

ELECTRICAL SYSTEM

Howard E. Tompkins, Ridley Park, Pa., assignor to Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1948, Serial No. 61,680
6 Claims. (Cl. 175-183)



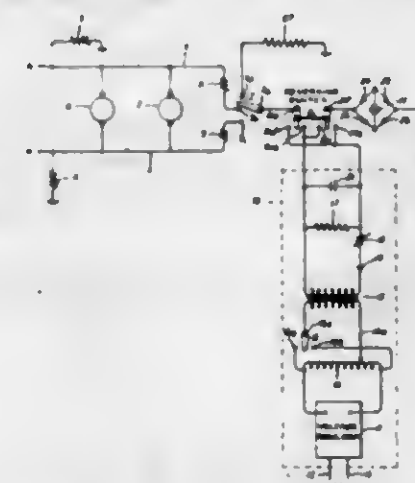
6. In an electrical system for producing an output voltage representative of a variable condition, a high frequency oscillator, a nearly balanced impedance bridge having its input coupled to said oscillator, said bridge including an element which is variable by said condition, a signal channel coupled to the output of said bridge, high frequency amplifying means included in said channel to amplify the output signal of said bridge, a detector tube coupled to said amplifying means to receive the amplified signal and to produce a direct voltage, direct-coupled amplifier means connected to said detector to derive an output voltage from said direct voltage, an adjustable voltage divider connected in

said channel and having a plurality of discrete adjustment positions to control the sensitivity of the system, adjustable resistance means ganged with said voltage divider and having a corresponding number of discrete adjustment positions, and circuit means controlled by said adjustable resistance means to apply a compensating voltage to one of the electrodes of said detector tube, so as to prevent change of the output voltage with adjustment of said voltage divider when a desired bridge unbalance obtains.

2,627,540

GROUND LEAK MEASURING CIRCUIT

Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 18, 1951, Serial No. 206,570
5 Claims. (Cl. 175-183)



2. For use with a direct current power transmission system having a source of direct voltage, a pair of supply conductors supplied from said source, and a pair of current limiting resistors each having a resistance that is relatively large in comparison with the internal resistance of said source and each having a terminal connected to a different one of said supply conductors and a remote terminal; a source of reversible polarity direct voltage having output terminals and having switching connections for selectively deriving at said output terminals a maximum voltage, an adjustable portion of said maximum voltage or the difference between said portion and said maximum voltage; a bridge-type rectifying circuit having meter terminals and having a supply terminal connected to ground and a supply terminal connected to one of said output terminals; a current responsive resistance indicating device connected across said meter terminals; a calibrating resistor having a remote terminal and a ground connection terminal; and a selector switch for selectively connecting the other of said output terminals to said remote terminals of said current limiting resistors or to said remote terminal of said calibrating resistor.

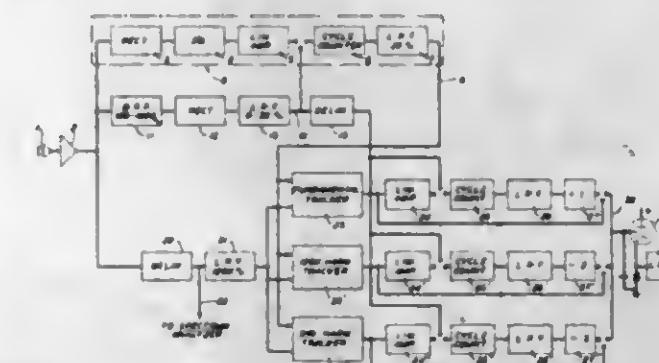
2,627,541

DETERMINATION OF PITCH FREQUENCY OF COMPLEX WAVE

Ralph L. Miller, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1951, Serial No. 232,595
9 Claims. (Cl. 175-183)

3. In a system for deriving an indication of the frequency of the fundamental component of a complex signal wave from such harmonic components as may be present in said wave, a plu-

rality of automatically tunable bandpass filters, means for deriving from said wave a control voltage which is approximately proportional to the frequency of the fundamental frequency component of said wave, means responsive to said control voltage to tune each of said filters to pass a corresponding harmonic component of said wave, means deriving from the output of each of said filters a voltage proportional to the fre-

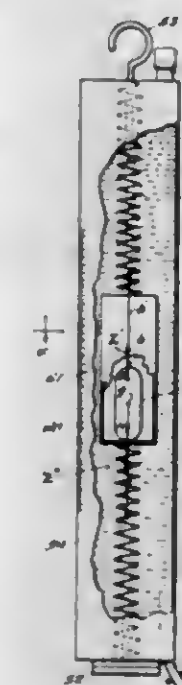


quency of the corresponding harmonic component, means for dividing each of said last-named voltages by a factor equal to the order of said harmonic component, means for removing from the group of said filter output voltages any derived from a filter whose input signal strength is below a preassigned threshold value, means for averaging the remaining ones of said voltages as thus divided, and means for transmitting a signal indicative of said averaged value.

2,627,542

MAGNETOMETER

Theodore Koulomzine, Val d'Or, Quebec, Canada
Application August 21, 1951, Serial No. 242,802
6 Claims. (Cl. 175-183)

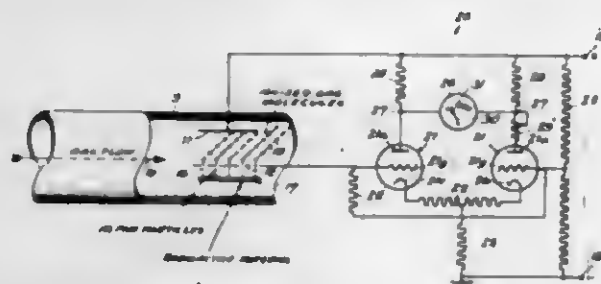


1. A magnetometer which comprises a vessel for confining a liquid, a balance system immersed in the liquid including a float, a strong permanent magnet attached to the float, the center of gravity of the balance system being at a lower level than the center of buoyancy thereof, the north pole of the magnet being below and the south pole thereabove, resilient means for supporting the balance system in a predetermined position when in a normal magnetic field, and means for observing the displacement of the balance system in a magnetic field.

2,627,543

IONIZATION TYPE GAS FLOWMETER

Alfred A. Obermaier, Chicago, Ill., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 785,239
1 Claim. (Cl. 175-265)

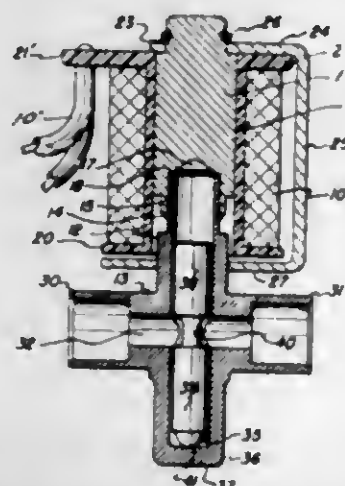


Apparatus of the class described comprising, in combination, a first electrode, a second electrode spaced from said first electrode, means for maintaining said electrodes at a predetermined and constant direct current potential, a conduit enclosing said electrodes and disposed for the flow of gas therethrough in a direction substantially transversely of the spacing of said electrodes, and means within said conduit for ionizing the molecules of gas to produce a flow of ionized molecules from said first electrodes to said second electrode substantially transversely of the flow of gas through the conduit, said electrodes and ionizing means being arranged so that ionized particles flowing from said first electrode are deflected so as not to reach said second electrode and in amount which changes according to the velocity of the gas flow through said conduit, the means for ionizing the molecules of gas comprising a source of radioactivity and one of the electrodes comprising a grid element disposed between said source of radioactivity and the other electrode.

2,627,544

SOLENOID

Floyd R. Eck, Des Plaines, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application September 5, 1947, Serial No. 772,231
1 Claim. (Cl. 175-338)



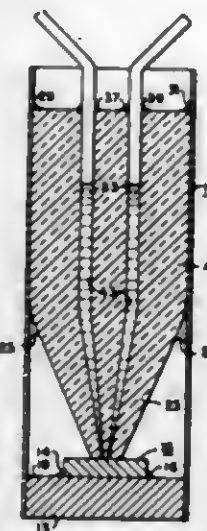
A solenoid comprising a solenoid winding adapted to be energized by alternating current, a core for said solenoid comprising a magnetic portion of soft iron extending into the winding from one end and terminating short of the other end of the winding, said core being formed with a bore in the end disposed in the winding, said bore extending into the core and terminating at substantially the midportion of the winding in

a conical end wall, a sleeve of non-magnetic electrically conducting material extending into the winding from the other end and meeting the magnetic core, said sleeve having a portion of reduced diameter extending into the bore in said core to the conical end wall and forming a lining for said core, and a portion of larger diameter and thickness adjacent the open end of the core, a disk of non-magnetic electrically conducting material closing said bore at the conical end wall and held in position by said sleeve and providing an air gap beyond said sleeve wherein the flux density is reduced, a cylindrical plunger of magnetic material of a diameter to slide loosely in said sleeve and adapted to be attracted into said winding and having a portion extending out of said winding when the other part is attracted into the winding and a pole piece having one end connected to one end of the core and extending over the end and alongside the winding and then over the other end of the winding and being disposed around said non-magnetic sleeve.

2,627,545

SEMICONDUCTOR DEVICE

Daniel R. Muss and Lloyd P. Hunter, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1950, Serial No. 180,374
21 Claims. (Cl. 175-386)



1. A semi-conductive device comprising a body of semi-conductive material and an electrode comprising a glass tube having a tapered end portion, the inside dimension of said tube at the tip of said tapered end being substantially smaller than the inside dimension of said tube at the beginning of said tapered portion, conductive material in said tube forming a conductive path from the tip of said tube to its opposite end, the tip of said tube being in contact with said body.

2,627,546

PULSE WIDTH MEASUREMENT

Robert C. Paine, Boonton, N. J., assignor to Measurements Corporation, Boonton, N. J., a corporation of New Jersey
Application November 15, 1949, Serial No. 127,339
7 Claims. (Cl. 175-381)

1. Apparatus for determining the width of a steep-sided electric pulse, consisting of a tuned oscillatory circuit having a relatively protracted wave damping characteristic, a wave indicator, a source of square-wave pulses, means coupling the said source to the input of said circuit to set said circuit in oscillation at its natural fre-

quency, means coupling said indicator to the output of said circuit, both of said coupling means exerting substantially negligible detuning action on said tuned circuit, and means to match the pulse width with the length of a single period

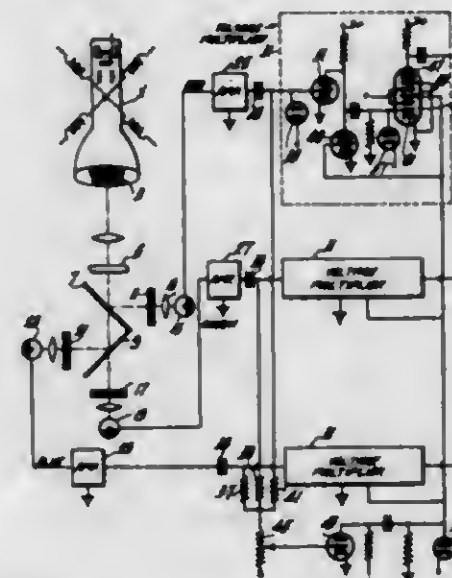


of the tuned circuit to sharply damp the oscillations in said tuned circuit at the instant of occurrence of the trailing edge of said pulse and thereby to produce a characteristic indication on said indicator indicative of the pulse width.

2,627,547

GAMMA CONTROL

Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1948, Serial No. 23,892
10 Claims. (Cl. 178-5.4)



1. A gamma control for color television systems employing a plurality of different component color image representative video signals comprising in combination a signal mixer for combining a portion of each of said plurality of different component color image representative video signals, said signal mixer having a signal output circuit, a controllable voltage multiplier for each of said component color image representative video signals, means for controlling the gain of said controllable voltage multiplier, said gain control means having a gain control connection, and a connection between said mixer output circuit and said gain control connection.

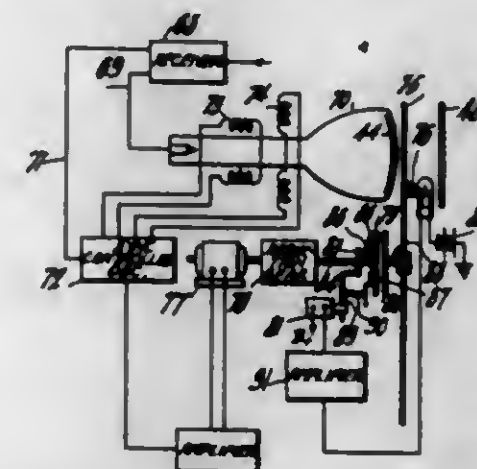
2,627,548

COLOR PHASING SYSTEM

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 10, 1949, Serial No. 115,049
4 Claims. (Cl. 178-5.4)

1. In a color television system utilizing color separation images and in which portions of the reproduced image at the receiver are normally masked from view, means for producing a desired phase relation between the transmitted and reproduced color separation images comprising in

combination means at the transmitter for producing color phasing pulses, means adding said pulses to the transmitted signal train at periods corresponding to time intervals during which the scanning beam is scanning one of said portions masked from view, means at the receiver utiliz-

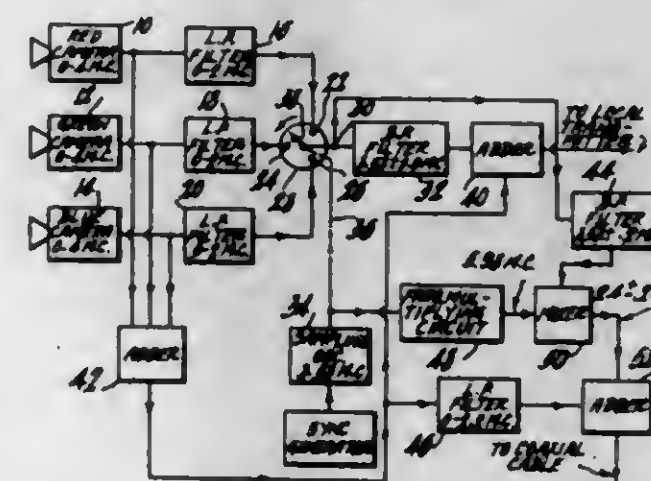


ing said color phasing signals to activate the receiver mosaic at a corresponding one of said masked portions, means also at the receiver for adjusting said phase relation, and color sensitive means responsive to the activation of said masked portion for operating said phase adjusting means to establish said desired relation.

2,627,549

BAND WIDTH REDUCING SYSTEM AND METHOD

Ray D. Kell, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1950, Serial No. 180,148
6 Claims. (Cl. 178-5.4)



3. In a color television system adapted to represent a color television image by two sets of signals, the first set of signals depicting brightness variations of the television scene and falling in the band f_1 to f_2 , the second set of signals depicting color hue and saturation information of points within the scene, the second set of signals being presented by a modulated carrier of frequency f_3 where f_1 , f_2 , and f_3 represent successively higher values of signal frequency, the combination of low pass filter means having an upper cut off frequency f_3' substantially lower than the value f_2 , means for applying said first set of signals to said low pass filter means and heterodyning means for heterodyning the carrier f_3 to a lower value f_3' such that $f_2 - f_3$ is no less than $f_3' - f_2$, the value of f_3' being higher than the value of f_3 .

2,627,550

ADJUSTABLE IMPEDANCE TRANSFORMER
Charles F. P. Rose, Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 18, 1949, Serial No. 94,013
5 Claims. (Cl. 178-44)

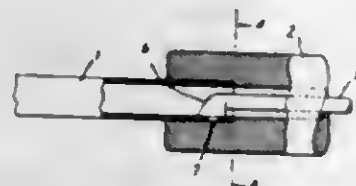


1. An adjustable impedance transformer comprising a section of coaxial line having inner and outer concentric conductors, a metal shell member having a length equal to an odd number of $\frac{1}{4}$ wavelengths of the design frequency, adapted for adjustable sliding contact longitudinally along the inner surface of said outer concentric line conductor, the inner surface at one end of said shell member being tapered over a portion of its length, a conically shaped metal core member having a corresponding taper, a longitudinally extending hole through said core member for accommodating the inner conductor of said section of coaxial line, said core member being adapted for adjustable sliding contact longitudinally along the outer surface of said inner concentric line conductor, means for establishing said members in fixed longitudinal relationship with respect to each other and for moving said members in said fixed relationship in either direction along said coaxial line to a desired position and means for producing independent adjustment of the longitudinal proximity of one of said members with respect to the other to vary the impedance transformation ratio of said transformer.

2,627,551

ULTRAHIGH-FREQUENCY TRANSMISSION STRUCTURE

Harry B. Taylor, Ferry Hill, and Alan J. Watts, Cambridge, England, assignors to General Electric Company, a corporation of New York
Application March 23, 1950, Serial No. 151,436
In Great Britain December 15, 1948
1 Claim. (Cl. 178-44)

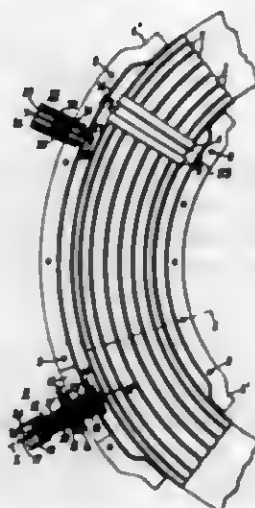


A wave-guide-to-coaxial line transformer structure comprising a coaxial transmission line having an outer sheath and an inner conductor, a rectangular wave guide, said line and guide having abutting ends aligned on a common axis, means forming a continuous circumferential junction between said sheath and the walls of said guide, said inner conductor extending into the end of said guide, and a frusto-conical member forming an electrical connection from said inner conductor to the center of the inner face of one wider wall of said guide, said member having its axis inclined at substantially 105 degrees to the axis of said conductor and having its sides subtending an apical angle of substantially 30 degrees.

2,627,552

RESONATOR STRUCTURE

Anatole M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 30, 1950, Serial No. 152,832
5 Claims. (Cl. 178-44)

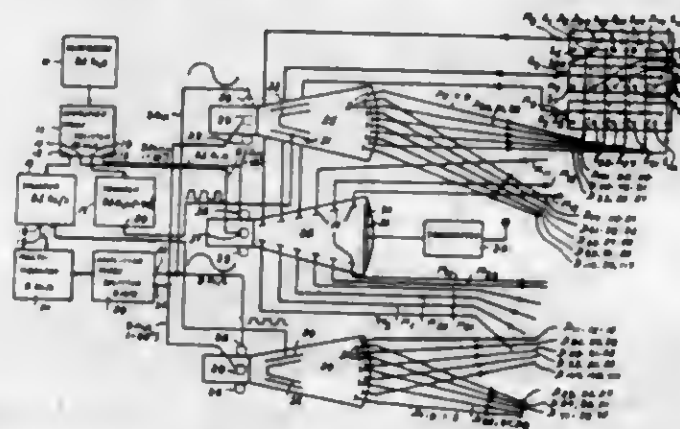


1. In apparatus for the acceleration of charged particles the combination which comprises a toroidal vessel of dielectric material disposed within a time-varying magnetic field and adapted to enclose an orbital path along which charged particles may be accelerated, and a resonator structure for supplying a high frequency electric field to accelerate the charged particles including an inner conductor formed of conductive strips attached to the outer periphery of said toroidal vessel and a longitudinally sectionalized outer conductor supported by and enclosing a portion of said toroidal vessel, said outer conductor comprising sections of insulating material having conductive strips attached along the inner surfaces thereof whereby the generation of eddy currents within said resonator by said time-varying magnetic field may be minimized.

2,627,553

MULTICHANNEL SIGNALING SYSTEM

Maurice Moise Levy, Earls Court, and Dennis Clark Espley, North Wembley, England, assignors to The General Electric Company, Limited, London, England
Application October 21, 1948, Serial No. 55,732
In Great Britain November 21, 1946
9 Claims. (Cl. 179-15)



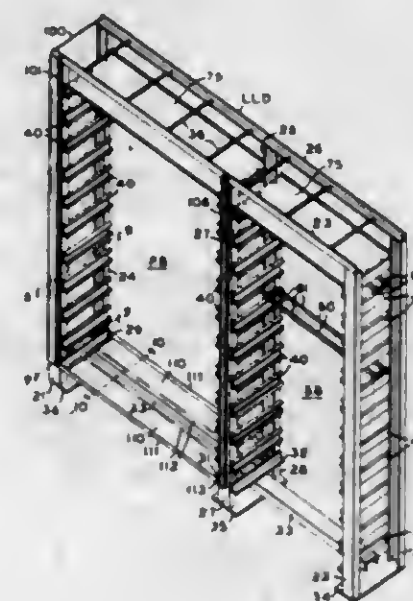
1. A multi-channel pulse signalling system for operating up to N channels each at the same recurrence frequency, said channels constituting N/a groups each of a equally-spaced channels, where a is an integer greater than unity, said system comprising means for the uni-directional

inter-conversion between modulated and unmodulated pulses, said means including N/a devices for at least partially effecting such inter-conversion, and distributor means for coupling in succession to each of said devices the channels of a different one of said groups.

2,627,554

CROSSBAR SYSTEM SWITCHBOARD CONSTRUCTION

Edwin L. Earle and Richard P. Arthur, Chicago, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company, a corporation of Delaware
Application October 25, 1949, Serial No. 123,431
15 Claims. (Cl. 179-98)



1. In a switchboard, a mounting frame defining an upright mounting space having a generally oblong horizontal cross-sectional configuration, apparatus units each having a generally similar horizontal configuration, means for supporting said units horizontally in superposed relationship within said space on vertical centres sufficiently great to leave substantial free spaces between adjacent units, groups of wiring terminals located in said free spaces respectively, frame wiring including groups of wires supported by the frame and attached to said terminal groups respectively, and groups of terminal wires extending from respective apparatus units to terminal groups in respectively adjacent ones of said inter-unit spaces.

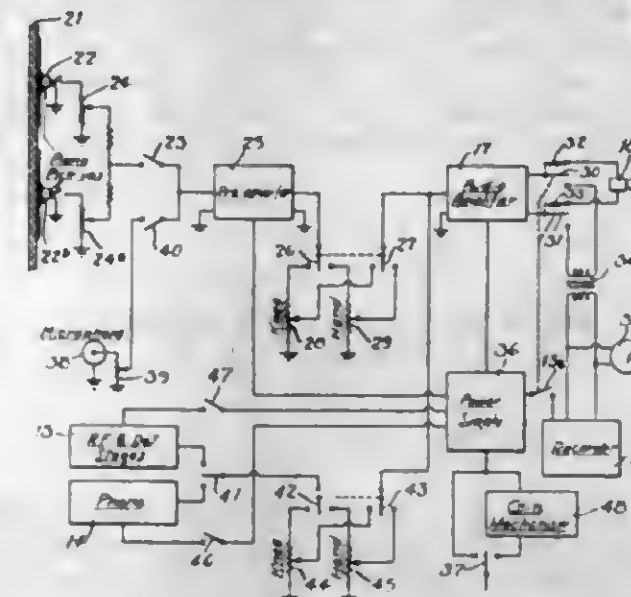
2,627,555

METHOD AND APPARATUS FOR SOUND RECORDING AND REPRODUCING

Louis Luberoff, Jenkintown, Pa.
Application April 13, 1950, Serial No. 155,750
14 Claims. (Cl. 179-100.11)

9. In a system adapted for electrical reproduction of piano music, and also adapted for electrical reproduction of phonograph renditions; pick-up means on the piano sounding board assembly for translating physical vibrations directly into an electrical signal; a phonograph; a common audio amplifier; means for selectively connecting said pick-up means and said phono-

graph to the input of said amplifier; a sound reproducer connected to the output of said am-

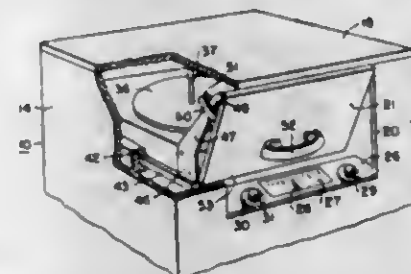


plifier; and knee-operated volume control means for controlling the signal from said phonograph.

2,627,556

RADIO PHONOGRAPH CABINET

Clyde A. Peterson, Dewart, and Harold W. Schaefer, Sunbury, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1949, Serial No. 103,384
7 Claims. (Cl. 179-100.12)



1. In a cabinet for radio receiving and record playing apparatus, a wall having an opening therein, a radio receiving set having adjustable controls mounted inside said cabinet with said controls adjacent said opening, record playing apparatus located in said cabinet above said radio receiving apparatus, a closure for said opening attached to said record playing apparatus, means including said closure for moving said record playing apparatus into and out of said cabinet through the opening in said wall, said closure being substantially flush with said front wall when said record playing apparatus is in normal position in said cabinet, said closure being adapted to be further moved into said cabinet from a position substantially flush with said wall of said cabinet to permit access through said opening to said controls for said radio receiving set.

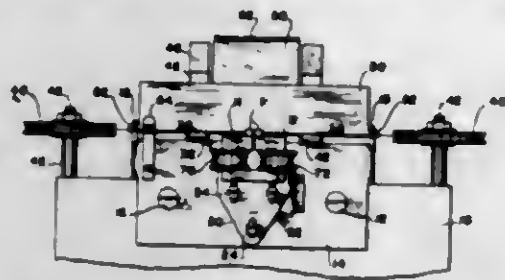
2,627,557

SHIELD AND GUIDE FOR MAGNETIC RECORDER-REPRODUCER HEADS

William A. Brastad, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application September 6, 1946, Serial No. 695,272
6 Claims. (Cl. 179-100.2)

1. In a device of the class described, means for drawing, guiding and stretching an elongated

recording medium along a given line, a recording-reproducing head associated with the medium, the guiding means including a hard lower guide for the medium lying at each side of the head maintaining the medium in a fixed lateral position and a soft upper pad positioned directly opposite said lower hard guide and adapted to press the medium down on each lower



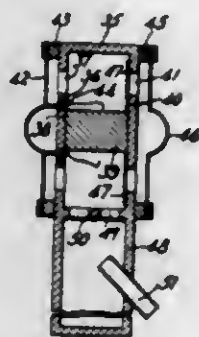
guide to serve as a guide and a vibration dampener, and means for adjusting the lateral operating position of the medium and head with respect to each other to obtain good recording and reproduction, the operating position of the medium being such that minimum clearance and zero contact pressure exist between the medium and head.

2,627,558

UNIDIRECTIONAL MICROPHONE

Alpha M. Wiggins, Clay Township, St. Joseph County, Ind., assignor to Electro Voice, Incorporated, South Bend, Ind., a corporation of Indiana

Application July 22, 1946, Serial No. 685,337
12 Claims. (Cl. 179-115.5)



1. A sound responsive device comprising a casing, two spaced vibratile sound responsive members carried by said casing and cooperating therewith to define a sealed chamber, one of said members being adapted to translate its vibrations into electrical energy, the other member having a mass reactance and a resistance so proportioned with the value of the compliance of said chamber as to produce a phase shift in the sound pressure applied thereto equal to a constant ratio of the shift produced by the travel of sound through the distance between the two sound responsive members externally of the device the mass of said other member being approximately

$$M = \frac{D^2 \rho A^2}{2V}$$

and the resistance of said other member being approximately

$$R = \frac{D \rho c A^2}{V}$$

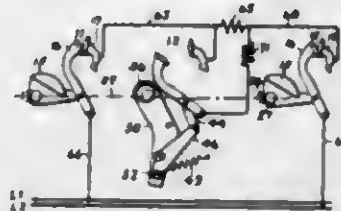
where D is the distance between said spaced sound responsive members, ρ is the density of air, A is the area of the member, c is the velocity of sound, and V is the volume of the chamber in cubic centimeters.

2,627,559

SEQUENTIAL SWITCH

Philip C. Netsel, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application December 27, 1948, Serial No. 67,476
9 Claims. (Cl. 200-5)



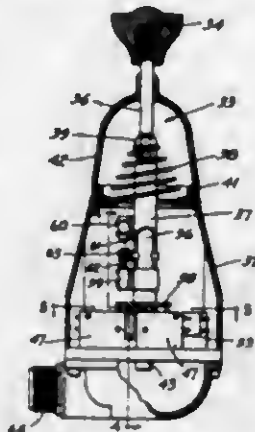
4. A sequential switch mechanism having in combination a pair of separately operable switches, means including a movable operating member having connections for closing and opening one of the switches upon opposite movements of the member, means including a toggle having a biasing spring for normally extending the toggle to close the other switch and a centrally pivoted lever having one end provided with a cam motion connection with one of the toggle links and the other end provided with a lost motion connection with the movable member for collapsing the toggle to open the other switch when the one switch is closed.

2,627,560

CONTROL MECHANISM FOR ELECTRICALLY DRIVEN APPARATUS

Jay M. Eitel, Los Altos, Calif.

Application August 1, 1949, Serial No. 108,007
7 Claims. (Cl. 200-5)



1. An electric control mechanism comprising a frame, an operating lever projecting vertically from the frame, a universal joint connecting the lower end of the lever to the frame, a plurality of push button switches disposed horizontally about the lever, an actuating plate mounted transversely on the lever adjacent the switches for selectively engaging one or more of the push buttons upon tilting of the operating lever, said lever having an axially slidable section, a push button switch carried by the lever, and an actuating finger on the movable section for engaging the push button of the last mentioned switch upon axial movement of said section.

2,627,561

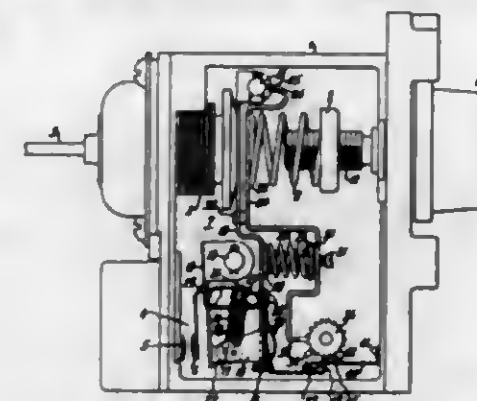
REFRIGERATOR CONTROL

Charles S. Grimshaw, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application December 28, 1950, Serial No. 203,166
16 Claims. (Cl. 200-33)

1. A refrigerator control including a first movable arm, a temperature-responsive element for

moving said first arm, a switch actuated by said arm at a predetermined temperature, a second movable arm, means engaging said second arm for opposing said temperature-responsive element, a spring between said two arms and engaging said arms for normally maintaining said



arms in spaced relationship, and a stop arranged to function for limiting the movement of said second arm whereby said temperature-responsive element moves said first arm relative to said second arm against the bias of said spring effecting defrosting.

2,627,562

TWO-WIRE SEQUENCE RELAY

John B. Cataldo, Bernardsville, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application January 31, 1950, Serial No. 141,529
9 Claims. (Cl. 200-87)



1. An electrical relay including a housing, a magnetic armature supported for reciprocatory movement within said housing, electromagnetic coil means for reciprocating said armature, a snap spring having two positions of equilibrium, and operative driving connections between said armature and said snap spring including a crank, a rotary ratchet wheel for revolving said crank, pawl means connected to said armature for rotating said ratchet wheel a given amount and in a given angular direction for each stroke of said armature, and connecting linkage between said crank and said snap spring for reversing the position of equilibrium thereof on alternate strokes of said armature.

2,627,563

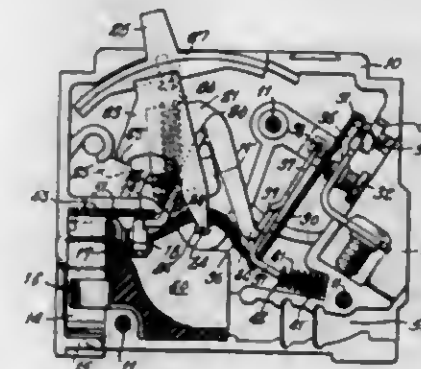
ELECTRIC CIRCUIT BREAKER

William A. Thomas, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application August 16, 1950, Serial No. 179,692
3 Claims. (Cl. 200-88)

1. A circuit breaker comprising a housing, formed of insulating material, circuit terminals mounted in opposite ends of the housing, a stationary switch contact connected to one terminal in the housing, a bimetal element having one end connected to the other terminal in the housing and movable at the opposite end, a movable switch member for coacting with the stationary contact and connected by a flexible conductor to

the opposite end of the bimetal element, an armature pivoted at one end and extending along-side of said bimetal element and having a hook at its other end embracing the movable end of the bimetal element, a spring biasing said armature hook against said element, said armature having a cam-like catch member, an actuating member hinged in said housing, a tripping cradle hinged in said housing and having an arm normally interlocked with said catch member, means



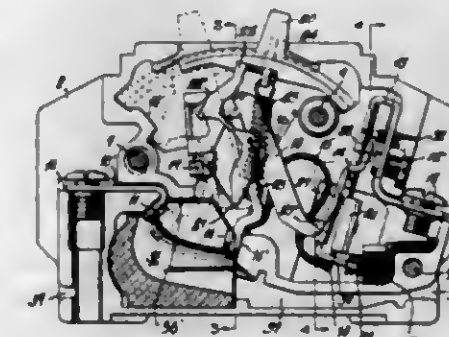
for hinging said switch member in said tripping cradle, a spring connecting said actuating member with said switch member, said actuating member having a lug coacting with the switch member to start a circuit opening movement and another lug coacting with the switch member to start a circuit closing movement of said switch member, said actuating member having another lug coacting with the tripping cradle for resetting the tripping arm into interlocking engagement with said armature catch.

2,627,564

ELECTRIC CIRCUIT BREAKER

Eric Axel Ericson, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application November 18, 1949, Serial No. 128,172
2 Claims. (Cl. 200-116)

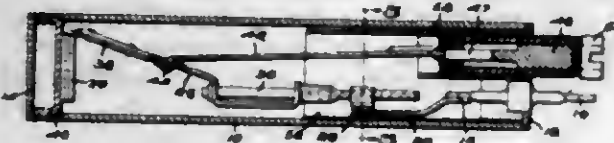


1. A circuit breaker having terminal strips connecting the breaker in an electrical circuit, one of said terminal strips being L-shaped with the end of one arm of the L terminating in a U-shaped portion, said latter arm of the L having a cutaway portion adjacent its terminal end and leading to said U-shaped portion, a bimetal strip having one end secured to the inner surface of the imperforate arm of said U-shaped portion by a tool inserted through said cutaway portion, and a calibrating screw threaded through the cut arm below its cutaway portion and extending into the space in said U-shaped portion and contacting said bimetal strip at its point of securement to said imperforate arm.

2,627,565

THERMOSTATIC SWITCH

Norman J. Smith, Medfield, Mass.
Application October 11, 1949, Serial No. 120,631
7 Claims. (Cl. 200-137)

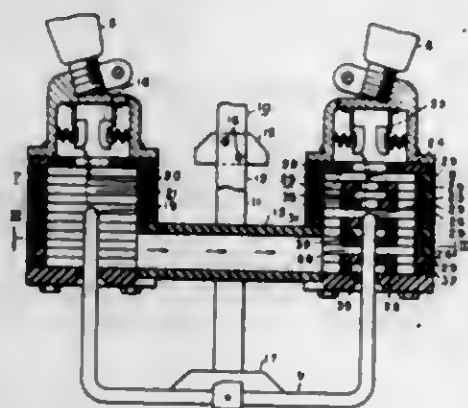


2. In a thermostat, a tubular case having heads at the opposite ends thereof, a lever arm mounted on one end of said case for resilient rockable movement, a contact member mounted in the opposite end of said case, a contact carried by said lever arm and adapted to engage said contact member and fulcrum means engaging said lever arm between the ends thereof, said fulcrum means being fixed to the head of the case opposite to the head which supports the lever arm whereby expansion and contraction of said case will produce movement of said lever arm to open or close said contacts.

2,627,566

CIRCUIT INTERRUPTER

Winthrop M. Leeds, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 18, 1950, Serial No. 162,657
6 Claims. (Cl. 200-150)

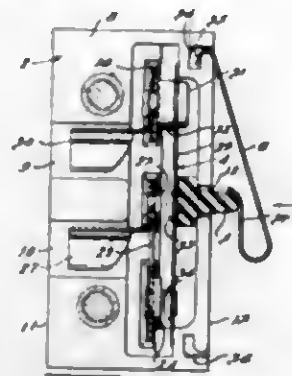


1. A circuit interrupter of the liquid break type including a tank containing an arc extinguishing liquid, a pair of spaced terminal bushings extending within the tank, a pair of stationary contacts secured to the interior ends of the terminal bushings, a pressure-generating chamber secured to the interior end of one terminal bushing, an interrupting chamber secured to the interior end of the other terminal bushing, a pair of movable contacts engaging the pair of stationary contacts in the closed position, said movable contacts establishing a pressure-generating arc within the pressure-generating chamber and an interrupting arc within the interrupting chamber during the opening operation, a conducting cross-bar interconnecting the two movable contacts, an operating rod actuating the cross-bar, a liquid conducting tube separate from the cross-bar and hydraulically interconnecting the two chambers during a portion of the opening operation, the tube being momentarily stationary during this time whereas the movable contacts move relative thereto to establish arcing with the stationary contacts, and means for moving the tube to a position away from the chambers near the end of the opening operation of the interrupter.

2,627,567

SWITCH

Rupert B. Bell, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a corporation of Michigan
Application September 27, 1947, Serial No. 776,497
6 Claims. (Cl. 200-153)

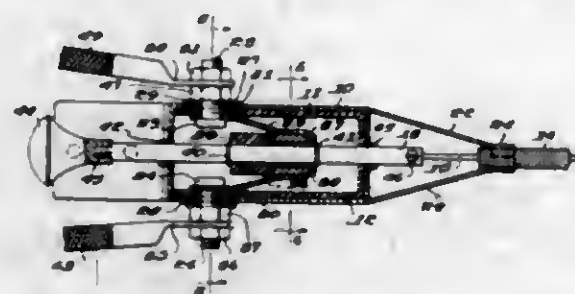


1. A switch, comprising a housing formed of two identical sections having mating recesses forming an internal chamber for the reception of relatively movable switch contacts, said sections having mating slots through the side walls of said recesses adapted to receive switch terminals, a pair of switch contact elements each having a supporting portion and a pair of equally spaced contact portions and a terminal, the contact portions on one of said elements being fixed to a flexible strip one end of which is fixed to the supporting portion of said element, the supporting and contact portions being located within said chamber and the terminal portions lying in said mating slots, the contact portions on the flexible strip being so positioned that on flexure of said strip in one direction the contacts on one element engage the contacts on the other in succession and on flexure in the opposite direction said contacts disengage in the reverse order, each of said housing sections having surfaces formed to engage the supporting portion of each of said contact elements and support the elements in proper relative position, each housing section being symmetrical with respect to a central plane extending transversely thereof so that said contact elements may be reversed without altering the relative positions of the contact portions of said elements, and means projecting from the housing for flexing said strip.

2,627,568

MOTOR VEHICLE SWITCH

John F. Buchinski, Wanamie, Pa.
Application April 5, 1950, Serial No. 154,063
2 Claims. (Cl. 200-163)



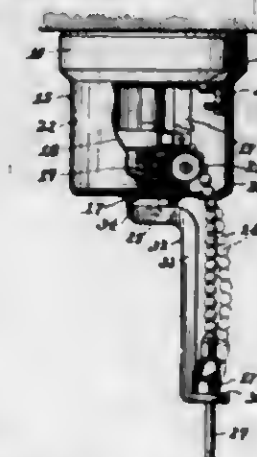
1. In a battery terminal safety switch, an elongated box-like casing having a lining of insulating material extended over the sides and one end thereof, a centrally positioned longitudinally disposed shaft extended through the casing and having a knob on an extended end thereof, an insulating bushing positioned in the casing and mounted on the intermediate part of the shaft,

a conducting ring positioned on one end of said bushing, terminal posts mounted in opposite sides of said casing, and contact fingers carried by the inner ends of said posts and extended for engagement with the insulating bushing with the shaft in one position and the conducting ring with the shaft in another position.

2,627,569

ELECTRIC FIXTURE PULL CHAIN STOP

John Legere, Haddon Heights, N. J., and Edward M. Groman, Philadelphia, Pa.
Application May 17, 1950, Serial No. 162,518
3 Claims. (Cl. 200-172)



1. In a device of the kind described, an electric switch fixture including a shell with a switch therein and an operating pull chain, an auxiliary pull cord directly attached to the outer end of the pull chain which outer end is wholly outside of the shell, a stop means provided at the location of connection between the pull chain and cord, and a pendant hanger secured to said fixture and including a leg with a right angled apertured toe and the lower end thereof, said auxiliary pull cord passing through the aperture in the toe and said toe functioning as a stop means to limit the movements of said pull chain, auxiliary cord and switch.

2,627,570

THERMOSENSITIVE RESISTANCE ELEMENT CONTAINING EUTECTIC MIXTURES

Chester I. Hall, Vischer's Ferry, N. Y., assignor to General Electric Company, a corporation of New York
Application January 6, 1950, Serial No. 137,233
1 Claim. (Cl. 201-63)



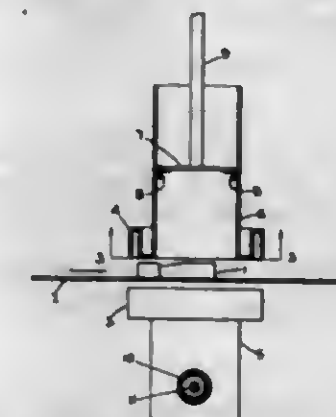
A thermosensitive electrical resistance element composed of a tubular electrode closed at one end, a second electrode extending into the other end of said tubular electrode and spaced therefrom by a plug of insulating material sealing said other end of the tubular electrode, and a body of resistance material within said tubular electrode in electrical contact with both of said electrodes, said body of resistance material consisting of a eutectic mixture of chemically stable salts having a rate of change of resistance in the unfused state in excess of that of the single constituent salts, said eutectic mixture consisting of one of the combinations of salts, thallous nitrate-silver nitrate, cuprous chloride-thallium monochloride, rubidium chloride-cuprous chloride, cuprous chloride-stannous chloride, beryllium fluoride-lithium

fluoride, rubidium chloride-silver chloride, rubidium chloride-lithium chloride, lead chloride-silver chloride, potassium chloride-lithium chloride, and potassium fluoride-lithium fluoride.

2,627,571

CHOKE JOINT HIGH-FREQUENCY HEATER

Michael E. Hiehle, Syracuse, and Philip W. Morse, Elnora, N. Y., assignors to General Electric Company, a corporation of New York
Application November 2, 1948, Serial No. 57,854
2 Claims. (Cl. 219-47)

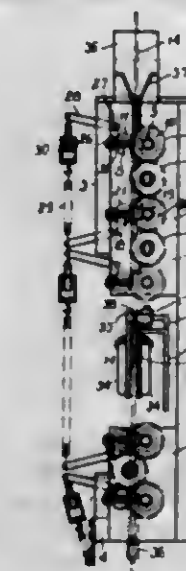


2. A high frequency heating apparatus comprising a wave guide choke joint composed of two spaced members, said two members being separated sufficiently to allow the material to be heated to be passed between them but not greater than one quarter wave length, said choke joint being mounted as an integral part of a heating chamber of electrically conductive material formed by a wave guide with both ends closed, means for introducing high frequency electromagnetic energy into said heating chamber, means for adjusting the electromagnetic wave distribution in said heating chamber to provide a relatively high intensity electromagnetic field between the said two choke joint members, and means for passing the material to be heated through said heating chamber by passing it between the said two members.

2,627,572

TEMPERING APPARATUS FOR MAKING BAND SAWS OR THE LIKE

Hiroki Kajiyama, Kure City, Hiroshima-Ken, Japan
Application January 17, 1952, Serial No. 266,819
1 Claim. (Cl. 219-47)



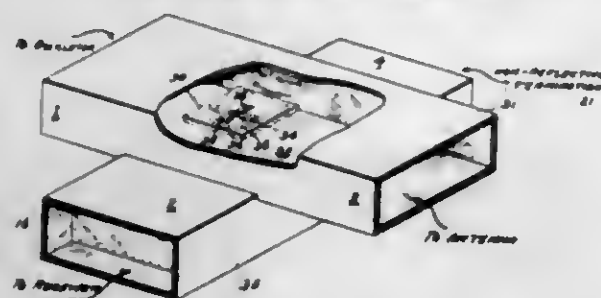
A tempering apparatus for making band saws or the like using a high frequency electric cur-

rent induction device, characterized by the fact that an iron band to be treated for making a saw or the like is pulled downwards, successively and equally, by several pairs of rollers, a roller of each pair is pressed against the other roller respectively by means of pressing rollers attached at forked ends of a lever pulled at the other end thereof by a spring and a turnbuckle in concert with elliptical openings bearing the shaft of said pressing rollers, a high frequency electric current induction device is located between the upper group of said band pulling devices and the lower group of those in order to heat evenly the moving band, and deviation-preventing plates guide the moving band in position.

2,627,573

WAVE GUIDE DUPLEXER

Henry J. Riblet, Belmont, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application April 28, 1948, Serial No. 23,822
20 Claims. (Cl. 250-13)

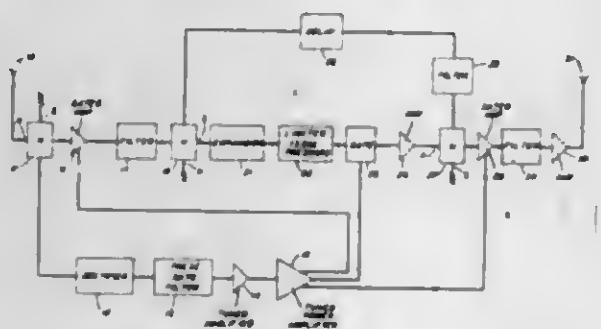


1. A duplexer adapted to be used with ultra-high frequency electromagnetic wave energy comprising a directional coupler consisting of first and second transmission lines each having two terminals and having at least one coupling element connected to each of said lines at a region intermediate the ends thereof, and electrode means connected in shunt with said element for positively short circuiting the input to said element when the coupled power exceeds a predetermined value.

2,627,574

RADIO REPEATER HAVING A PULSE REGENERATOR

Carl B. H. Feldman, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1950, Serial No. 173,187
12 Claims. (Cl. 250-15)



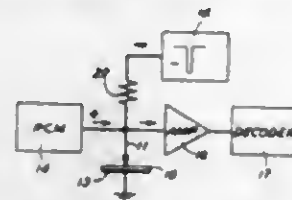
1. In a pulse-shaping circuit for periodic pulses comprising pulse regenerator means having an input and an output and means for circulating pulses applied to said input through said regenerator, means for gating said periodic pulses to obtain narrow segments therefrom which comprises a traveling-wave amplifier having a helix and a cathode, said amplifier also having an in-

put and an output, means for applying said periodic pulses to the input of said amplifier, direct-current biasing means connected between said cathode and said helix to form a stream of electrons which flows from said cathode along said helix, a source of voltage varying in a regularly recurrent manner, means to impress said varying voltage on said direct-current bias, means connecting the output of said amplifier to the input of said regenerator, and means connected to the output of said pulse regenerator to gate pulses out of said regenerator.

2,627,575

SEMICONDUCTOR TRANSLATING DEVICE

Larned A. Meacham, New Providence, and Simon Eugene Michaels, Brookside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1950, Serial No. 144,884
8 Claims. (Cl. 250-31)

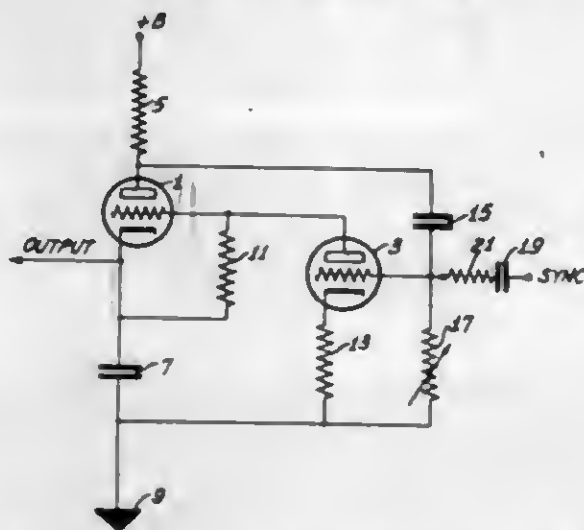


2. A translating device comprising a body of semi-conductive material, a rectifying connection to said body, a base connection to said body, means for energizing said rectifying connection to inject into said body electrical carriers of the polarity opposite that of those normally present in said body, and means for applying voltage pulses in the reverse direction to said rectifying connection.

2,627,576

SAW-TOOTH WAVE GENERATOR

Walter J. Howarth, Trenton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1949, Serial No. 73,972
1 Claim. (Cl. 250-36)



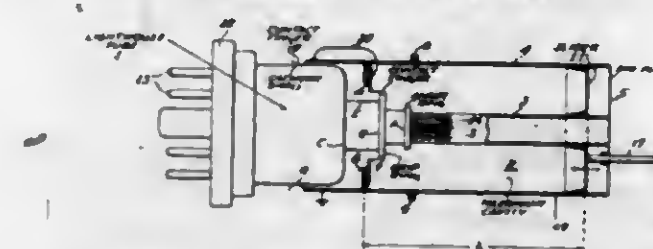
A saw-tooth wave generator comprising in combination, first and second electron discharge devices, each of said devices having a cathode, an anode and at least one control electrode, an output condenser, said condenser being connected between the cathode of said first discharge device and a point of fixed reference potential, a line resistor, a terminal adapted to be energized from a source of operating potential, said resistor being connected between said terminal and the anode of said first discharge device, a fixed grid

resistor, said grid resistor having a relatively low impedance whereby saw-tooth waves are assured and being connected between the control electrode and cathode of said first discharge device, a direct current connection between the grid of said first discharge device and the anode of said second discharge device, a cathode resistor, said cathode resistor having a relatively low impedance and being connected between the cathode of said second discharge device and said point of fixed reference potential, a variable grid resistor, said variable resistor having a relatively high impedance and being connected between the control electrode of said second discharge device and said point of fixed reference potential, a coupling condenser, said coupling condenser being connected between the control electrode of said second discharge device and the anode of said first discharge device, an input resistor, said input resistor having a relatively high impedance, an input condenser, said input condenser being adapted to be energized from a source of synchronizing signals, said input resistor being connected between said input condenser and the control electrode of said second discharge device and means for connecting an output circuit across said output condenser.

2,627,577

LIGHTHOUSE TUBE OSCILLATOR

Loy E. Barton, Collingswood, N. J., assignor to the United States of America as represented by the Secretary of the Navy
Application January 8, 1945, Serial No. 571,920
4 Claims. (Cl. 250-36)



1. An ultra high frequency oscillator generating oscillations above 500 megacycles, comprising a lighthouse tube having a cathode metallic shell, a grid ring, and a plate ring spaced from and parallel to said grid ring, a concentric line resonator having an inner conductor and an outer conductor connected together at one end by an end plate, said inner conductor having a hollow terminal fitting at its other end for direct connection to the plate of said tube, said outer conductor being longer than said inner conductor and provided with contact fingers at its end remote from said end plate for coupling to said cathode metallic shell, insulation separating said outer conductor into two portions arranged end-to-end, said insulation forming part of a blocking condenser for the plate electrode polarizing potential and a by-pass condenser for the radio frequency voltage, and a capacitive connection from said grid ring to that portion of said outer conductor which is located between said insulation and said cathode metallic shell.

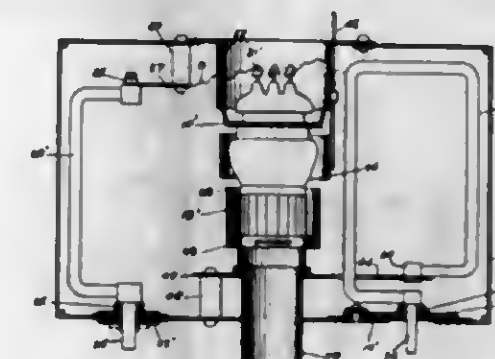
2,627,578

TUNABLE HIGH-FREQUENCY OSCILLATOR

Norman E. Klein, Clemson, S. C., assignor to the United States of America as represented by the Secretary of the Navy
Application November 14, 1945, Serial No. 628,601
6 Claims. (Cl. 250-36)

1. An oscillator comprising a vacuum tube having a grid, an anode and a cathode, a cylindrical

cavity resonator surrounding said tube, and tuning means comprising a loop rotatably mounted on an axis parallel to that of the cavity, said loop and said cavity being in a radio frequency series

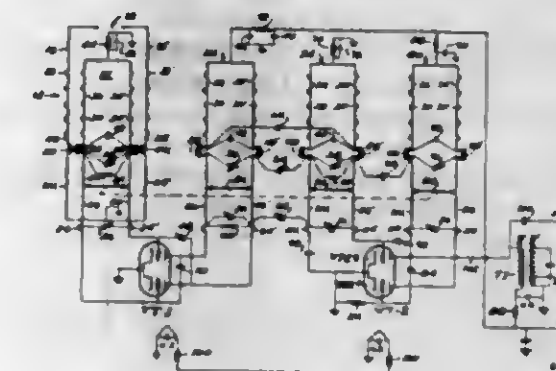


circuit between said grid and said anode, and a second adjustable loop within said cavity in a radio frequency circuit between said cathode and said cavity.

2,627,579

TUNABLE AMPLIFIER AND CONVERTER UNIT FOR RADIO APPARATUS

Carlton Wasmandorff, Los Angeles, Calif., assignor, by means assignments, to Standard Coil Products Co., Inc., a corporation of Illinois
Application March 8, 1949, Serial No. 80,310
8 Claims. (Cl. 250-40)



1. A wide band tuning unit comprising a plurality of pairs of conductors, each of said conductors being arranged in substantially circular configuration, means for mounting said conductors in spaced parallel planes perpendicular to a common central axis, lumped inductances interposed in series with successive portions of each conductor at spaced points along its length, a separate movably mounted shorting element supported for contact with both conductors of each pair of conductors, and means for simultaneously moving all of said shorting elements about said axis to short-circuit the conductors of each pair to one another at various positions along their lengths.

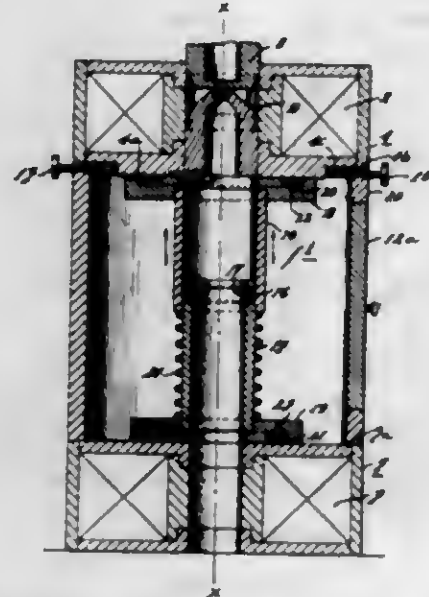
2,627,580

DEMOUNTABLE VACUUMTIGHT SEAL

Robert G. Picard, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 23, 1948, Serial No. 56,176
4 Claims. (Cl. 250-49.5)

2. In an electron microscope including a column portion, a section of said column forming a chamber bounded by end faces, an access opening for said section, and a door for said opening, the improvement consisting of a collapsible unit

in said chamber and forming a portion of the electron channel of said column, said unit comprising at least two telescopically arranged hollow cylinders having an expanded length at least



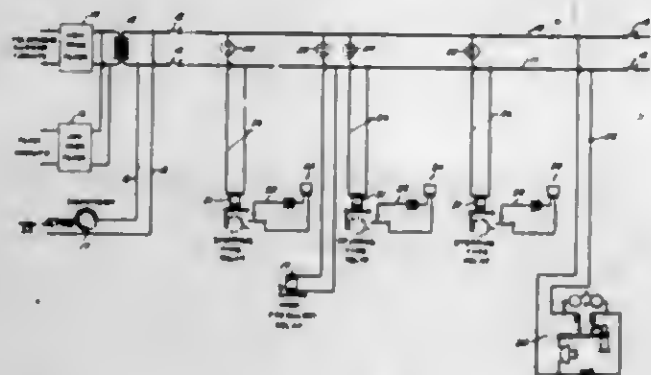
as great as the distance between said end faces and a collapsed length such that the unit is capable of passing through said opening, the free ends of said cylinders having annular flanges adapted to be presented to said end faces.

2,627,581

RESISTANCE-REDUCING DEVICE FOR BRIDGED CIRCUITS

Edward H. Musgrove and Raymond E. Moore, Denver, Colo.

Application July 29, 1950, Serial No. 176,688
3 Claims. (Cl. 307-2)

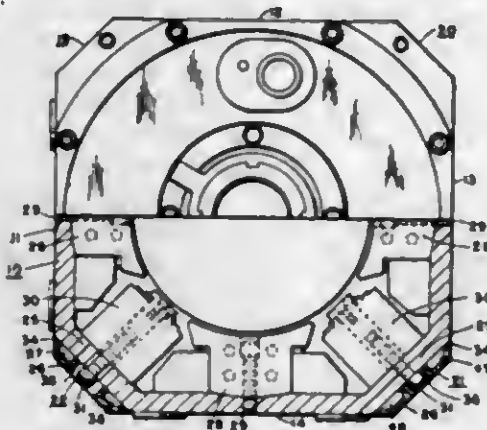


3. A circuit comprising: a source of low-voltage current; a main circuit leading from said source of current; a telephone circuit bridged across said main circuit and being operable on the low-voltage of said main circuit; a condenser in said telephone circuit; a plurality of relay circuits positioned at spaced intervals along said main conductors, said relay circuits being connected in parallel relation with said main conductors; a gaseous ionizing tube placed in series with each of said relay circuits, said tube being capable of ionization only at voltages above the normal low-voltages of said main circuit so as to prevent the passage of low-voltage direct current from said main conductors to said relay circuits; and means for supplying high-voltage alternating current to said main circuit at intervals, said high-voltage current being sufficient to ionize said tubes to cause current to flow through said relay circuits.

2,627,582 ELECTRIC MOTOR FRAME HAVING COOLANT SYSTEM INCORPORATED THEREIN

Robert R. Hayes, Cleveland, Ohio, assignor to The Reliance Electric & Engineering Co., a corporation of Ohio

Application July 2, 1949, Serial No. 102,806
9 Claims. (Cl. 310-54)



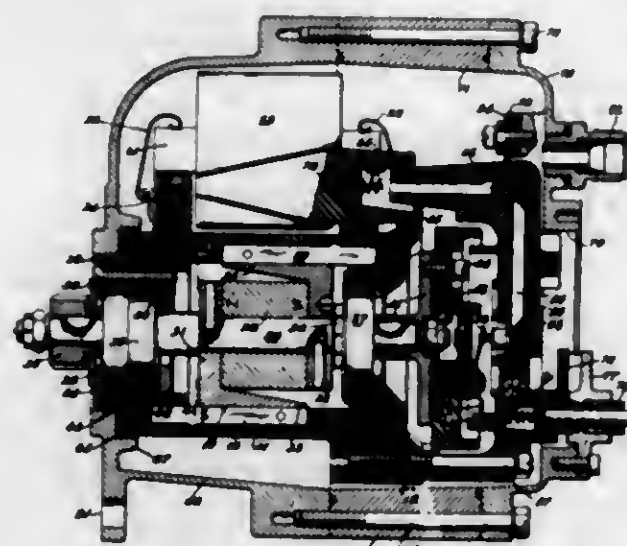
1. An electric motor frame comprising a magnetic structure having at least four large side structures and at least four small side structures alternately arranged to form a substantially octagonal cross-section, said large side structures supporting respectively a main pole and said small side structures supporting respectively an interpole, each said small side structures having a hollow passageway therein and defining a coolant path, and conduit means interconnecting said passageways to establish a coolant system for said frame.

2,627,583

ELECTRICAL APPARATUS

Richard B. Clark, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application June 29, 1949, Serial No. 102,120
7 Claims. (Cl. 310-70)



1. A magneto generator including a housing comprising a body of insulating material and a cover, magnetic flux conducting stator poles embedded in said body and having extensions projecting from said body, a magnetic flux conducting core connecting said extensions, a coil wound on said core, a magnetic flux distributing rotor mounted in said housing and adapted to cooperate with said stator poles, a metallic casing adapted to be adjustably secured to an engine or the like, said casing having an opening in the end thereof adjacent the engine for slidably receiving an extension at one end of said housing.

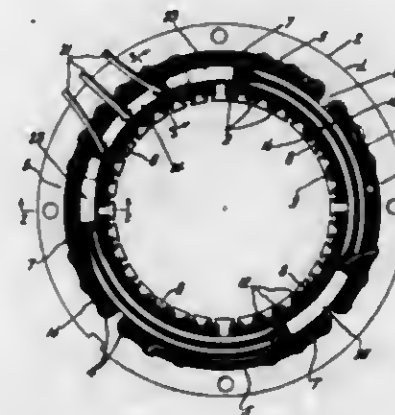
and means for supporting the other end of said housing in said casing and for securing the same in predetermined fixed relation within the casing.

2,627,584

STATOR MEMBER FOR DYNAMOELECTRIC MACHINES

Howard A. Schultz, Decatur, Ind., assignor to General Electric Company, a corporation of New York

Application October 5, 1951, Serial No. 249,985
12 Claims. (Cl. 310-71)



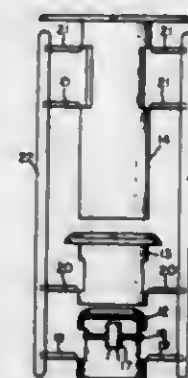
1. A member for a dynamoelectric machine comprising a core having a plurality of winding slots formed therein, a first winding arranged in said slots and having end turns extending beyond said core, a second winding arranged in said slots over said first winding and having end turns extending beyond said core, and an annular member formed of insulating material having a substantially V-shaped cross section arranged between said first and second winding end turns for separating and insulating said first winding end turns from said second winding end turns.

2,627,585

ELECTRON GUN FOR CATHODE-RAY TUBES

Wesley H. Van Ornum, Chicago, Ill., assignor to Rauland Corporation, a corporation of Illinois

Application September 1, 1950, Serial No. 182,774
3 Claims. (Cl. 313-85)



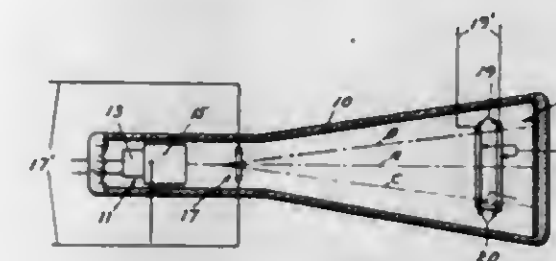
1. In an electron gun for a cathode-ray tube: first and second tubular electrodes; a stud supported by said first electrode and extending outwardly therefrom; at least one stud in the form of an integral projection struck from said second electrode and extending outwardly therefrom; and a rigid insulating spacer-support member affixed to said studs to support said second electrode in predetermined longitudinally spaced relation with said first electrode.

2,627,586

MICROWAVE ENERGY AMPLIFIER

Winston M. Gottschalk, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application October 18, 1949, Serial No. 122,098
5 Claims. (Cl. 315-4)



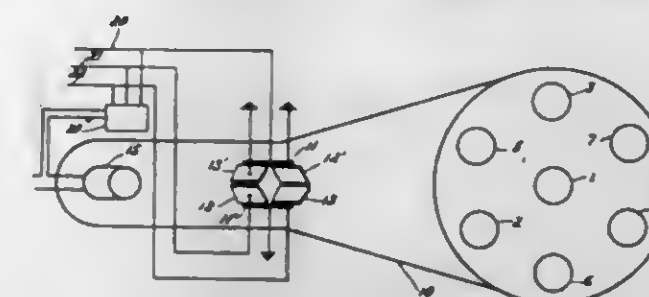
1. A microwave energy amplifier comprising: an evacuated envelope containing means for projecting a beam of electrons along a first path; means, mounted in said envelope adjacent said first path and receptive of the microwave energy to be amplified, for deflecting said beam of electrons from said first path, whereby the same is projected alternately along additional paths which are angularly displaced from and lie on opposite sides of said first path; and a pair of resonant two-wire lines, mounted in said envelope, respectively, adjacent said additional paths, in longitudinally spaced relationship with respect to said last-named means, for inductively absorbing energy from said beam of electrons; each of said two-wire lines including a pair of conductors lying side by side along the length of said envelope.

2,627,587

CATHODE-RAY TUBE

Hans W. Kohler, Washington, D. C.
Application March 7, 1950, Serial No. 148,251
4 Claims. (Cl. 315-21)

(Granted under Title 35, U. S. Code (1952), sec. 266)

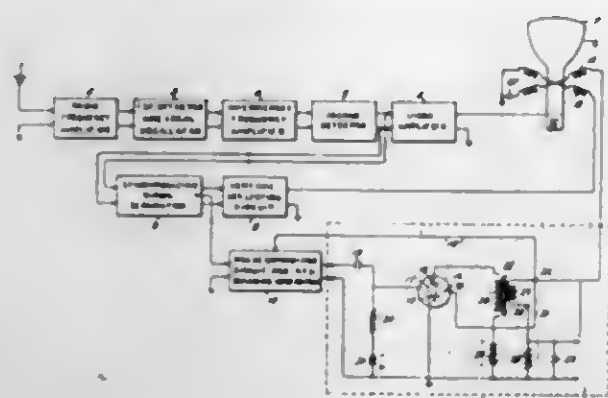


1. In a cathode ray tube, means for generating a cathode ray beam, a target electrode upon which said beam normally impinges, first deflecting means adapted when activated to drive said beam a predetermined distance along a predetermined radius from said target electrode, second deflecting means adapted when activated to drive said beam from said target electrode along another radius 120° from said first-mentioned radius, third deflecting means adapted when activated to drive said beam radially from said target electrode in another predetermined direction 120° from said other two radii, a further target electrode at the extremity of each of said radial paths, and an additional target electrode substantially midway between each two of said further target electrodes.

2,627,583

ELECTROMAGNETIC SCANNING AMPLIFIER CIRCUIT

Chester R. Knight, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 21, 1951, Serial No. 232,714
6 Claims. (Cl. 315-27)

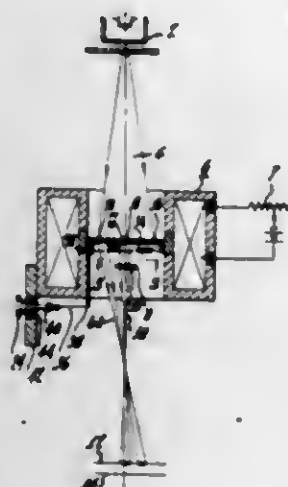


1. A scanning generator output amplifier circuit comprising an electric discharge device having a cathode and a first grid, a second grid, and an anode spaced in the order named from said cathode; an input circuit including said second grid for connection to a scanning wave generator; an output circuit for effectively connecting said cathode and said anode in series with an inductive load; means for biasing said first grid normally positive with respect to said cathode; and means for feeding back voltages from said load and impressing them between said first grid and said cathode in a polarity to drive said first grid negative with respect to said cathode over at least a portion of an applied scanning wave.

2,627,589

FOCUSING OF ELECTRON OPTICAL APPARATUS

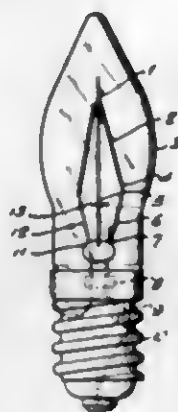
Sidney G. Ellis, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1950, Serial No. 192,840
4 Claims. (Cl. 315-31)



3. An electron diffraction camera comprising means for forming a beam of electrons, a lens for focussing said beam, means for changing the strength of said lens, a viewing screen, a diaphragm positioned adjacent said lens, a central aperture in said diaphragm, an off-center aperture in said diaphragm, and means for permitting passage and for shutting off passage of electrons through said off-center aperture.

2,627,590
FLASHING INCANDESCENT LAMP WITH BI-METALLIC FILAMENT SUPPORT

Selfrid Gunnar Öhlund, Enskede, Sweden
Application June 5, 1951, Serial No. 229,888
In Sweden June 11, 1949
7 Claims. (Cl. 315-72)

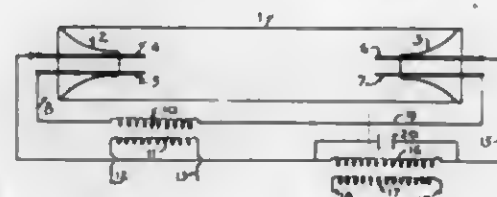


1. An electric lamp comprising a flexible filament, fixed leads for conducting current to and away from the filament, a heat sensitive element constructed to flex in response to variations in temperature rigidly fixed to one of said leads and connected in series between said one of said leads and said filament to form a part of the current carrying circuit through the lamp during the normal operation thereof, and means located to be contacted by said element upon flexure thereof in response to predetermined temperature change to provide a shunt across at least a portion of said filament.

2,627,591

MEANS AND METHOD OF ANTISTROBO-SCOPIC ARC OPERATION

George S. Sperti, Burlington, Ky., assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio, a corporation of Ohio
Application June 27, 1944, Serial No. 542,368
12 Claims. (Cl. 315-99)



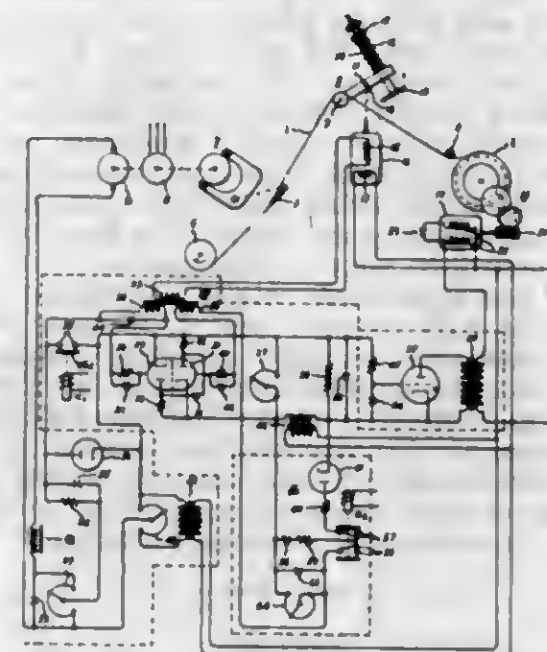
1. In a structure for the purpose described, a single, elongated envelope, four electrodes in said envelope located in pairs adjacent the ends of said elongated envelope, circuit means for applying an arc discharge voltage to two of said electrodes, circuit means independent of the first mentioned circuit means for applying an arc discharge voltage to the other two of said electrodes, said circuit means each being connected to an electrode of each pair so that separate arc discharges occur in the direction of the length of said elongated envelope, and means for causing said two arc discharge voltages to be out of phase with each other by substantially 60° to substantially 90°, whereby to minimize stroboscopic effects.

2,627,592

MOTOR CONTROL SYSTEM FOR REGULATING TENSION

Ernest W. Hutton, Scotia, and Raymond C. Locke, Pattersonville, N. Y., assignors to General Electric Company, a corporation of New York
Application August 2, 1950, Serial No. 177,170
3 Claims. (Cl. 318-6)

1. Means for controlling a dynamoelectric machine in response to changes in the average posi-



tion of a movable member, comprising a rotary induction device having a stationary winding and a rotary winding, said rotary winding being rotated by movement of said movable member, said stationary winding being connected to a source of alternating power, a discriminating circuit being supplied with a voltage signal from said rotary winding, an integrating circuit for integrating an output voltage of said discriminating circuit, an electron discharge device being provided with an anode, a cathode, and a control electrode, said anode, cathode, and control electrode being located in an ionizable medium, the output voltage from said integrating circuit being supplied between said control electrode and said cathode, means supplying an alternating voltage to said anode and an alternating voltage to said control electrode, the voltage of said control electrode lagging the voltage of said anode by ninety electrical degrees, and a transformer having a secondary winding connected between said anode and said cathode and a primary winding serially connected with the input terminals of said dynamoelectric machine between the terminals of a source of alternating power.

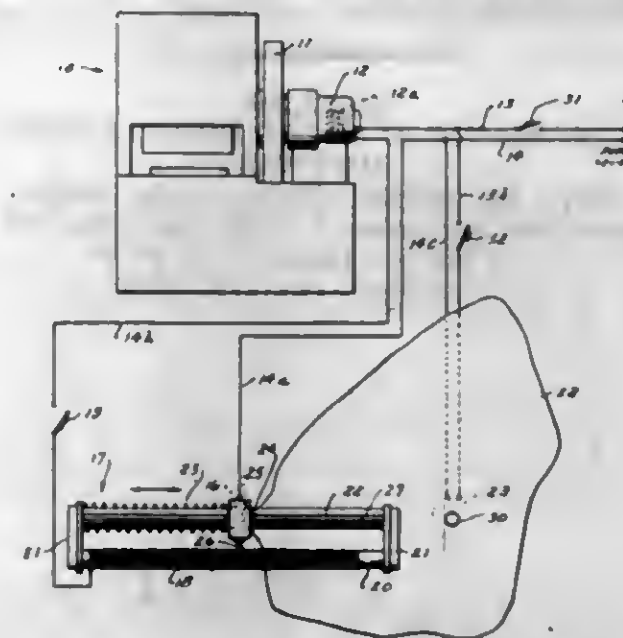
2,627,593

CAM-ACTUATED SPEED CONTROL FOR CYCLICALLY OPERATED MACHINES

Chester Tietig, Covington, Ky.
Application March 1, 1950, Serial No. 147,111
9 Claims. (Cl. 318-164)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In combination with a motor drivable machine of the kind which is adapted to go through many substantially identical cycles of operation whereby at the end of a cycle to produce a complete or incomplete article of manufacture, a motor, an energizing circuit therefor including an impedance, adjusting means for varying the electrical value of said impedance, a cam for operating said adjusting means, and means for causing rotation of said cam and operation of

said adjusting means, driving means for said rotation-causing means, said driving means and said motor being both driven from said energizing circuit and timed to complete one revolution

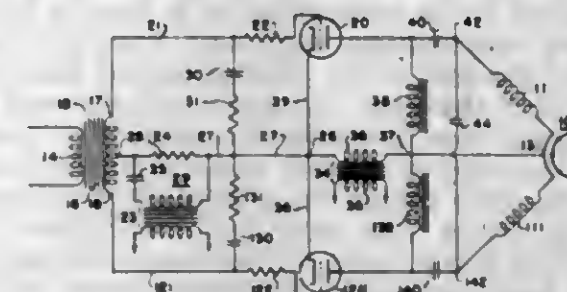


of said cam in substantially the same length of time that it takes the machine to complete its cycle, the two operations proceeding simultaneously.

2,627,594

ELECTRONIC MOTOR CONTROL CIRCUIT

Ogden E. Sawyer, Cranston, R. I., and Henry R. Warren, Louisville, Ky., assignors to the United States of America as represented by the Secretary of the Navy
Application February 7, 1946, Serial No. 646,164
1 Claim. (Cl. 318-202)

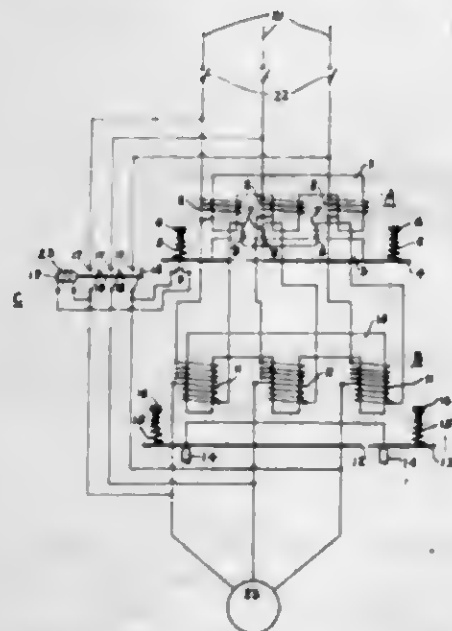


In a system for controlling the speed and direction of rotation of a motor, an alternating current motor having two primary windings having a pair of end terminals and a common terminal, a pair of thermionic tubes each having a cathode, an anode, and a control grid, a pair of inductances each having one terminal connected to a respective one of said anodes of said thermionic tubes respectively and one terminal connected to a common power terminal, a first source of alternating current connected to the cathodes of said thermionic tubes and to said common power terminal for energizing said anodes through said inductances, an alternating current signal voltage varying in phase and amplitude with the desired direction and speed of rotation of said motor respectively, center-tapped means for impressing said signal voltage in phase opposition on said grids respectively, a second source of alternating current lagging said first source of alternating current by more than ninety electrical degrees impressed on said grids in phase with each other, capacitive means connecting said end terminals of said motor to said anodes respectively, means connecting said common power terminal to said common termi-

nal of said motor, and a capacitance connected to said end terminals of said motor, whereby the speed and direction of said motor is determined by the phase and amplitude of said alternating current signal voltage.

2,627,595 AUTOMATIC STARTER FOR ELECTRIC MOTORS

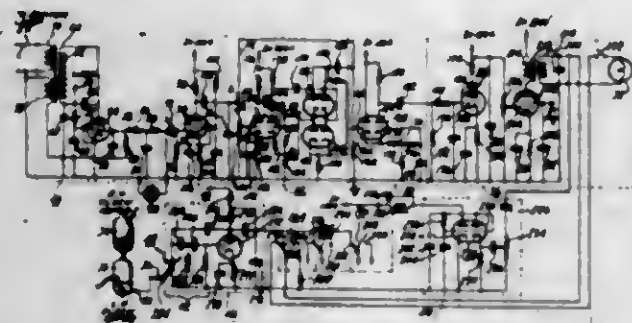
Boris Antipovitch, Mexico City, Mexico
Application December 2, 1950, Serial No. 198,813
In Mexico January 20, 1950
12 Claims. (Cl. 318-229)



1. Apparatus for starting an alternating-current motor comprising a magnetic switch including an open core, a series exciting winding thereon adapted to be connected to a supply line, an armature cooperating with said core to close it and contacts closed on movement of the armature toward the core, an auto-transformer having an open core including an armature movable toward the core to close it and a secondary winding on the core including a primary portion connected in series with said first-mentioned winding and the motor, said contacts when closed connecting said secondary winding across said line and a contactor controlled by the voltage across the motor effective to shunt the winding of said switch and the primary portion of said auto-transformer winding.

2,627,596 DRIVING APPARATUS

Dallas R. Andrews, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1950, Serial No. 165,274
8 Claims. (Cl. 318-318)

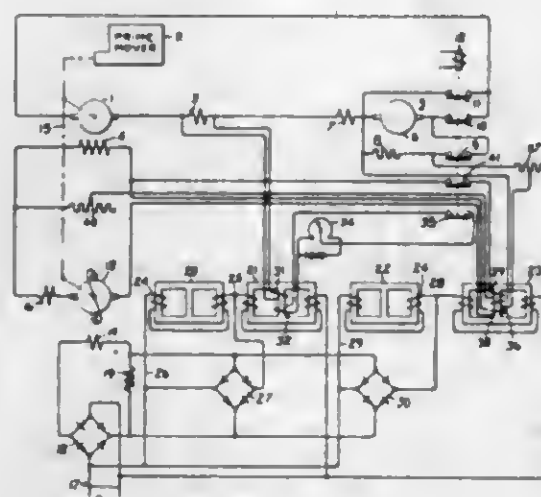


1. Apparatus for controlling the velocity of a recording medium carrying spaced indicia, such

that said indicia pass a given point at a desired constant frequency, comprising means responsive to the movement of said indicia for generating a control signal having a frequency proportional to the rate of passage of said indicia, a standard signal source having a frequency related to said desired frequency, means for continuously detecting any difference between the frequency of said signal and of said standard source, said detecting means comprising a first motor having a housing and a shaft and a second motor having a housing and a shaft, the shafts of said first and second motors being directly coupled together for simultaneous rotation, the housing of said first motor being fixedly mounted, the housing of said second motor being rotatably mounted, said first motor being energized from said standard source, said second motor being energized from said control signal whereby differences in the frequency of said standard source and said control signal cause a corresponding rotary movement of the housing of said second motor, a variable frequency oscillator having a normal output frequency bearing a predetermined relationship to that of said standard source, means responsive to the movement of said rotatable housing for varying the frequency of said oscillator, and means responsive to the output frequency of said oscillator for driving said recording medium.

2,627,597 DYNAMIC BRAKING CONTROL SYSTEM

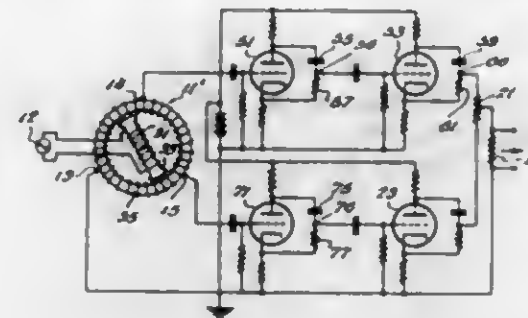
August V. Johansson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application February 14, 1951, Serial No. 210,954
14 Claims. (Cl. 318-365)



1. In a self-propelled vehicle, a generator having a field exciting winding, a traction motor connected to drive the wheels of said vehicle and having an armature and a field exciting winding, braking resistance means, means for connecting said motor armature in a loop circuit with said resistance means and for connecting said motor field winding for energization from said generator to provide a dynamic braking circuit, means for exciting said generator field winding, means responsive to the voltage drop across at least a portion of said resistance means for modulating said generator exciting means to regulate the excitation supplied by said generator to said motor field winding whereby the armature current of said motor is regulated during braking, and means responsive to the speed of said vehicle for further modulating said generator exciting means to affect the regulation of said motor armature current to provide tapered braking.

2,627,598 PHASE SHIFT SYSTEM

Jay E. Browder, Garden City, and Victor J. Young, Jamaica, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application February 20, 1947, Serial No. 729,852
6 Claims. (Cl. 323-109)



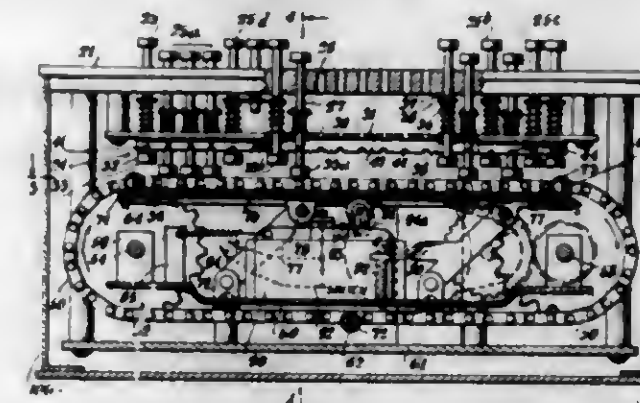
1. A phase shifting device capable of producing a phase shift proportional to the angular rotation of a control member while maintaining a substantially constant voltage amplitude output, said device comprising an inductive selsyn-like transformer having rotor and stator cores of magnetic material, a single phase winding on said rotor core and a polyphase winding comprising windings mounted on said stator core in 120° angular relation with respect to each other, said windings being wound to provide substantially equal induced voltages in each stator winding when maximum coupling occurs between it and said rotor winding, a control member for angularly adjusting the rotor relative to the stator, phase shifting means in circuit with a first of said stator windings, phase shifting means in circuit with a second of said stator windings, said phase shifting means providing a phase difference of 120° between the voltage outputs thereof, and means comprising an impedance of a value high compared to the impedance of said phase shifting means for additively combining the output voltages of said phase shifting means to supply a resultant voltage output; whereby the phase shift of the resultant output voltage will be proportional to the angular position of the control member while the amplitude thereof will be a constant.

2,627,599 SETTABLE KEYING APPARATUS

John R. MacKay, Packanack Lake, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application December 8, 1950, Serial No. 199,437
22 Claims. (Cl. 340-358)

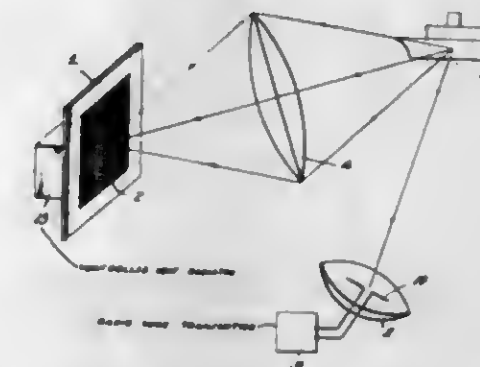
1. Keying apparatus comprising a keying switch, a plurality of members disposed in a

linear array and shiftably arranged to constitute an elongated, stationary linear structure having a message-defining contour, sensing means movable along said structure for positional response to said members in succession from one end to the other of said structure, and switch-



2,627,600 METHOD OF AND APPARATUS FOR PRODUCING VISUAL LIKENESSES WITH THE AID OF RADIO WAVES

Robert H. Rines, Brookline, Mass.
Application August 19, 1946, Serial No. 691,638
27 Claims. (Cl. 343-17)

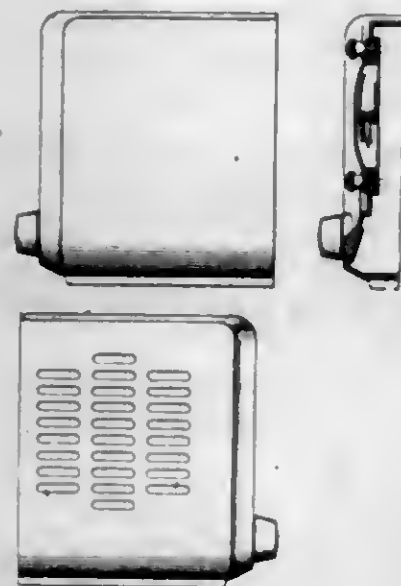
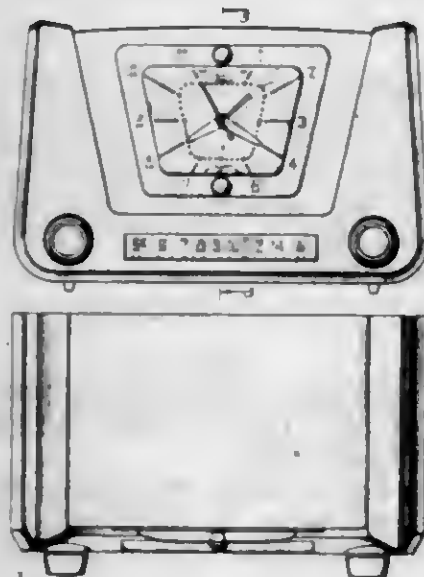


1. An article of the class described comprising a backing on which is provided radio-wave absorbing means together with an acid salt and a basic salt one of which is readily decomposable and the other of which is not readily decomposable in response to heat produced by the absorbed radio waves.

DESIGNS

FEBRUARY 3, 1953

168,723
COMBINED CLOCK AND RADIO CABINET
Samuel E. Adler, Chicago, Ill.
Application June 11, 1952, Serial No. 20,131
Term of patent 14 years
(Cl. D56-4)



The ornamental design for a combined clock and radio cabinet, as shown and described.

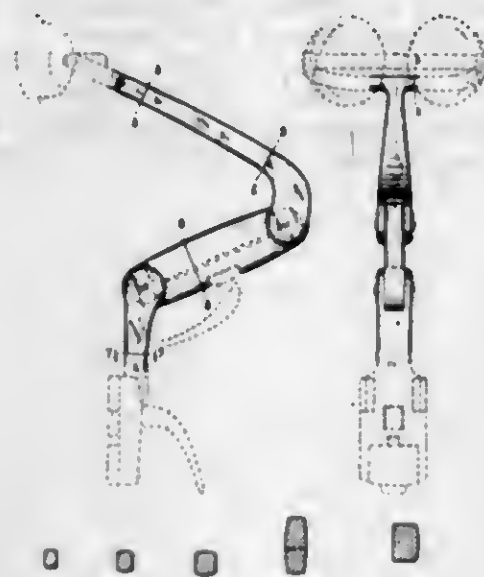
196

168,724
FLYING TOY
Curtis A. Anderson, Larchmont, N. Y.
Application May 12, 1950, Serial No. 9,907
Term of patent 3½ years
(Cl. D34-15)



The ornamental design for a flying toy, substantially as shown.

168,725
HEADREST
John T. Armbruster, Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 22, 1951, Serial No. 15,628
Term of patent 14 years
(Cl. D15-3)



The ornamental design for a headrest, substantially as shown and described.

FEBRUARY 3, 1953

U. S. PATENT OFFICE

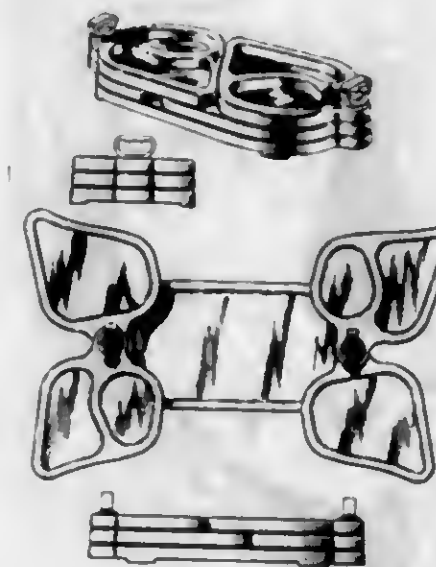
197

168,726
SIGNALING MITT
Aaron F. Aunspaugh, Houston, Tex.
Application July 1, 1952, Serial No. 20,440
Term of patent 7 years
(Cl. D3-11)



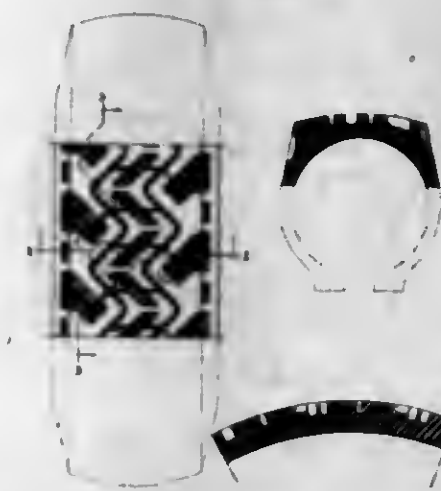
The ornamental design for a signaling mitt, as shown and described.

168,727
SERVING TRAY
Louis H. Barnett and Harris Brin, Fort Worth, Tex.
Application September 6, 1952, Serial No. 21,372
Term of patent 14 years
(Cl. D44-10)



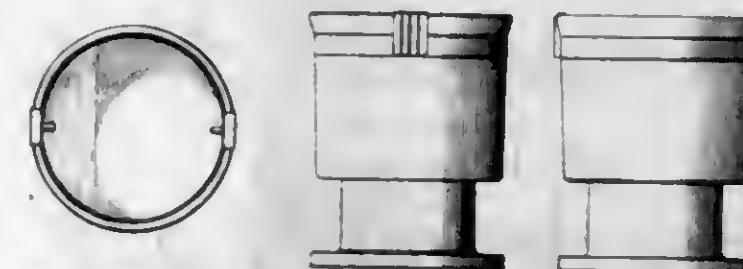
The ornamental design for a serving tray, substantially as shown.

168,728
TIRE
George O. Beckman, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application July 22, 1952, Serial No. 20,723
Term of patent 14 years
(Cl. D90-20)



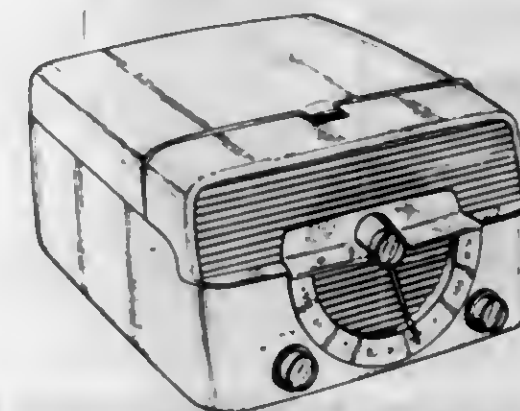
The ornamental design for a tire, as shown and described.

168,729
CUP DISPENSER OR SIMILAR ARTICLE
Herbert L. Bennett, Easton, Pa., assignor to Dixie Cup Company, Easton, Pa., a corporation of Delaware
Application April 10, 1952, Serial No. 19,279
Term of patent 14 years
(Cl. D52-2)

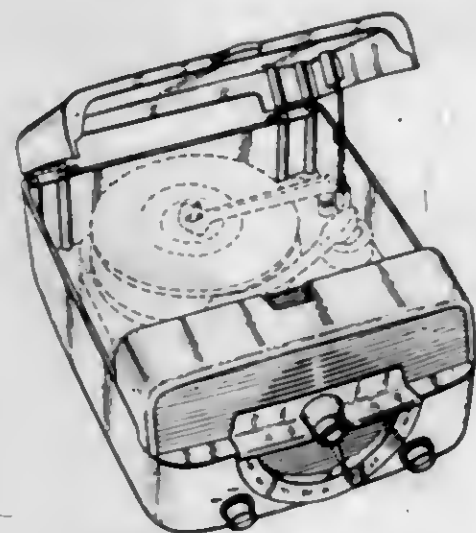


The ornamental design for a cup dispenser or similar article, as shown.

168,730
RADIO-PHONOGRAPH CABINET
Robert D. Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application October 29, 1952, Serial No. 22,041
Term of patent 7 years
(Cl. D56-4)



168,730—Continued

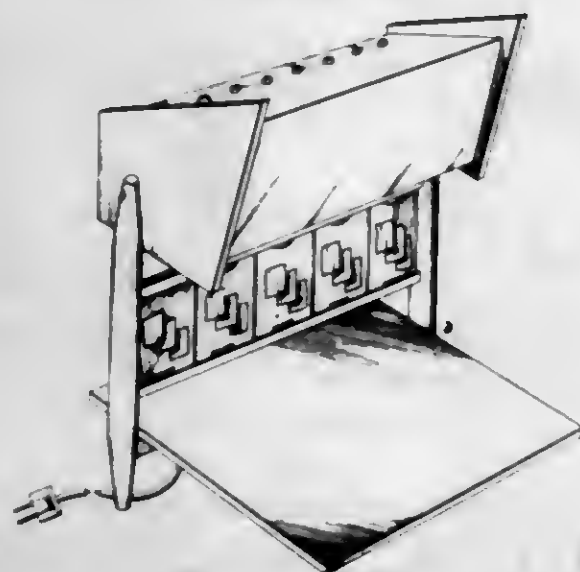


The ornamental design for a radio-phonograph cabinet, substantially as shown and described.

168,731

HOSIERY DISPLAY DEVICE

Herbert B. Chapin, Roslyn Heights, N. Y., assignor to Chadbourn Hosiery Mills, Incorporated, a corporation of North Carolina
Application September 11, 1952, Serial No. 21,424
Term of patent 14 years
(Cl. D80—9)

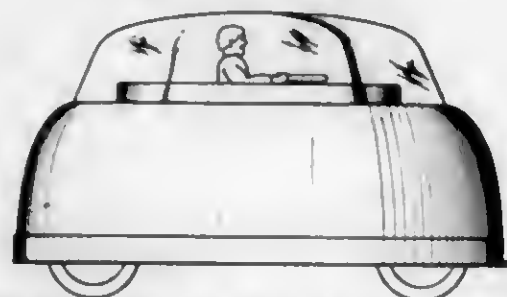
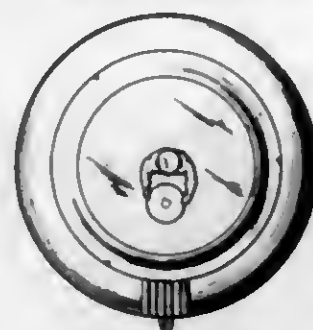


The ornamental design for a hosiery display device, as shown.

168,732

TOY AUTOMOBILE

Patrick J. Christopher, Geneva, N. Y.
Application September 20, 1951, Serial No. 16,692
Term of patent 7 years
(Cl. D34—15)

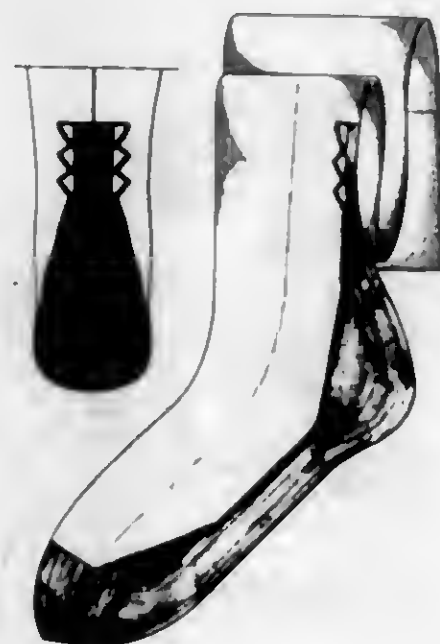


The ornamental design for a toy automobile, as shown and described.

168,733

STOCKING

Guido Clauss, Elizabethtown, Pa.
Application November 19, 1952, Serial No. 22,371
Term of patent 7 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown.

168,734

HANDBAG ORNAMENT OR SIMILAR ARTICLE

Louis J. Coblenz, New York, N. Y.
Application April 30, 1952, Serial No. 19,537
Term of patent 14 years
(Cl. D87—2)

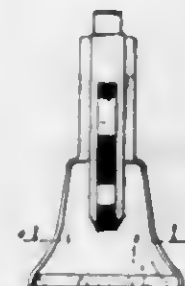


The ornamental design for a handbag ornament or similar article, substantially as shown.

168,735

COMBINED WINDSHIELD CLEANER AND CLOTHES HANGER

Sidney Coleman, Maynard, Mass., assignor to Van Brode Milling Co., Inc., Clinton, Mass., a corporation of Massachusetts
Application June 17, 1952, Serial No. 20,237
Term of patent 14 years
(Cl. D9—61)

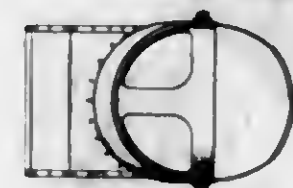


The ornamental design for a combined windshield cleaner and clothes hanger, as shown.

168,736

STUDENT PILOT'S INSTRUCTION VISOR

Bertrand M. Cooper, Mission, Kans., and Amherst M. Parkison, Kansas City, and Gail A. Storck, Kansas City North, Mo., assignors to Trans World Airlines, Inc., Kansas City, Mo., a corporation of Delaware
Application October 18, 1952, Serial No. 21,894
Term of patent 14 years
(Cl. D57—1)

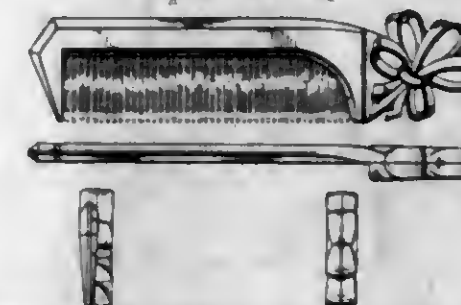


The ornamental design for a student pilot's instruction visor, as shown.

168,737

COMB OR THE LIKE

Joseph C. Foster, Leominster, Mass., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application June 21, 1952, Serial No. 20,298
Term of patent 14 years
(Cl. D86—8)

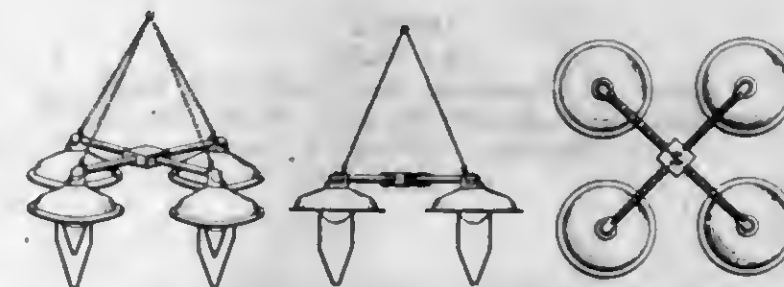


The ornamental design for a comb or the like, substantially as shown and described.

168,738

BROODER HEATER

Abraham S. Friedman, Hicksville, Ohio, assignor to The National Ideal Company, Toledo, Ohio, a corporation of Ohio
Application November 12, 1952, Serial No. 22,244
Term of patent 7 years
(Cl. D12—2)

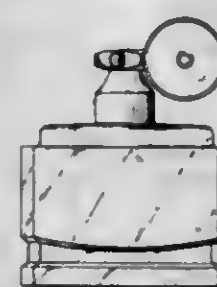
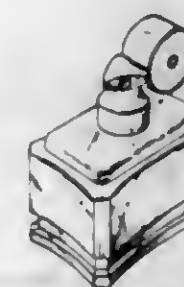


The ornamental design for a brooder heater, substantially as shown and described.

168,739

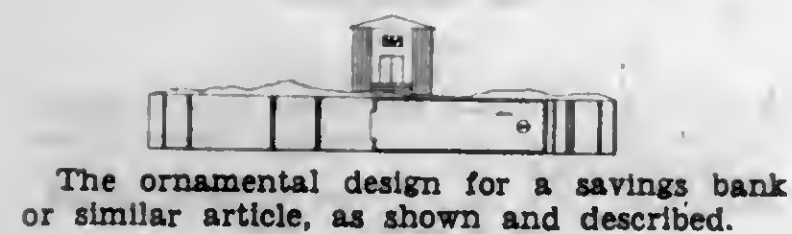
ATOMIZER

Sophie Frydlender, Paris, France, assignor to Lancome, S. A., Paris, France, a corporation of France
Application January 30, 1952, Serial No. 18,306
Term of patent 7 years
(Cl. D83—1)

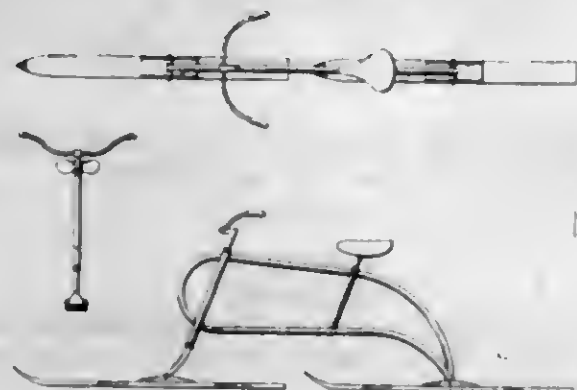


The ornamental design for an atomizer, as shown.

168,740
SAVINGS BANK OR SIMILAR ARTICLE
Jack S. Geneser, Brownsville, Tex.
Application February 7, 1952, Serial No. 18,431
Term of patent 7 years
(Cl. D34-11)

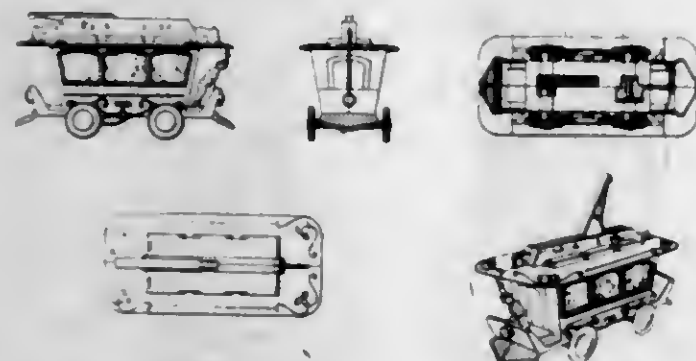


168,741
SKI SLED
Albert J. Giannotti, Redwood City, Calif.
Application February 18, 1952, Serial No. 18,572
Term of patent 14 years
(Cl. D34-15)



The ornamental design for a ski sled, as shown.

168,742
TOY TROLLEY
Elliot Handler, Los Angeles, Calif.
Application August 5, 1952, Serial No. 20,911
Term of patent 7 years
(Cl. D34-15)



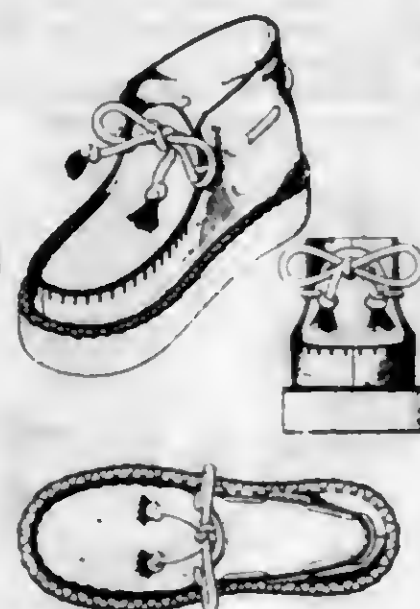
The ornamental design for a toy trolley, as shown and described.

168,743
STOCKING
Dorothy E. Henk, Pittsburgh, Pa.
Application March 20, 1952, Serial No. 18,980
Term of patent 14 years
(Cl. D47-7)



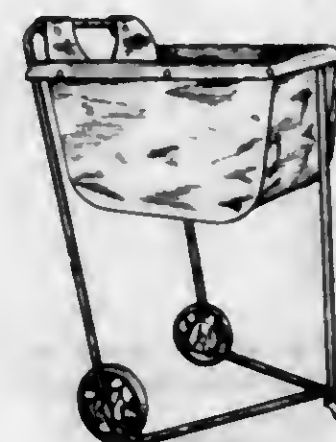
The ornamental design for a stocking, substantially as shown.

168,744
SHOE OR SIMILAR ARTICLE
Preston E. Hiestand, Princeton, Wis., assignor to The Handcraft Company, Inc., Princeton, Wis., a corporation of Wisconsin
Application May 6, 1952, Serial No. 19,813
Term of patent 14 years
(Cl. D7-7)



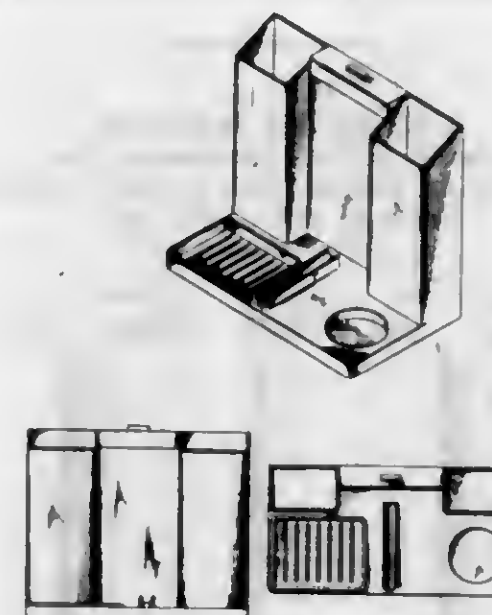
The ornamental design for a shoe or similar article, as shown and described.

168,745
LAUNDRY CART
Walter N. Kraus, Colorado Springs, Colo.
Application August 14, 1952, Serial No. 21,043
Term of patent 7 years
(Cl. D14-4)



The ornamental design for a laundry cart, as shown and described.

168,746
SANITARY HOLDER FOR BATHROOM ACCESSORIES
Roy J. Laciura, Buffalo, N. Y.
Application April 26, 1952, Serial No. 19,489
Term of patent 14 years
(Cl. D4-3)



The ornamental design for a sanitary holder for bathroom accessories, substantially as shown.

667 O. G.—14

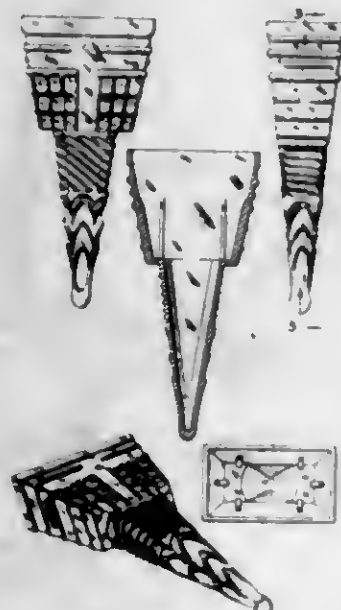
168,747
CHAIN SAW
Arthur W. Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application February 25, 1952, Serial No. 18,654
Term of patent 14 years
(Cl. D93-4)



The ornamental design for a chain saw, as shown.

168,748

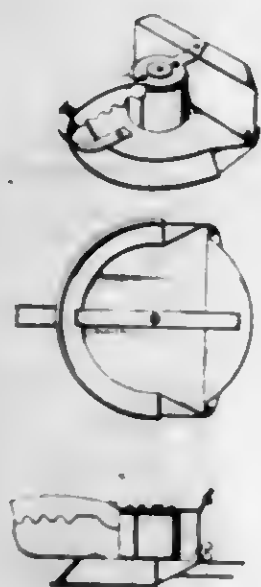
ICE-CREAM CONE OR THE LIKE
 Attilio Agostino Guido Marcantonio, London,
 England, assignor to Embisco Limited
 Application February 15, 1952, Serial No. 18,538
 In Great Britain August 21, 1951
 Term of patent 14 years
 (Cl. D8-1)



The ornamental design for an ice cream cone or the like, substantially as shown.

168,749

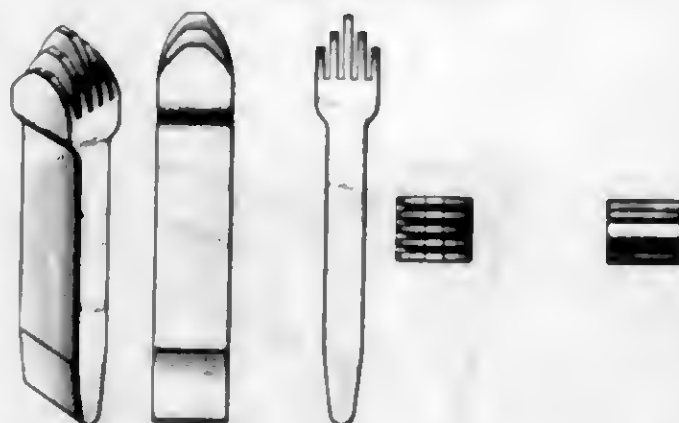
ELECTRIC LAWN TRIMMER
 John McMillan and Helen McMillan, Elko, Nev.
 Application August 26, 1952, Serial No. 21,195
 Term of patent 7 years
 (Cl. D40-1)



The ornamental design for an electric lawn trimmer, as shown.

168,750

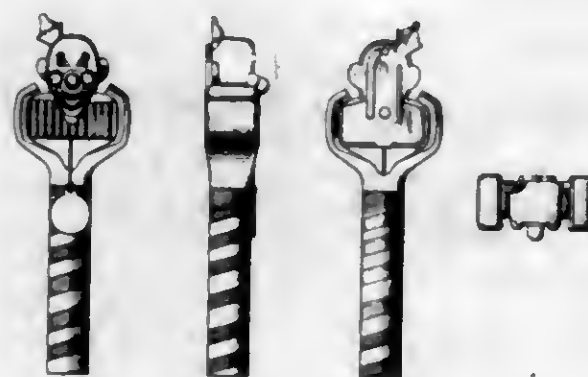
COMBINED ERASER AND BRUSH
 Walter Meyer, Chicago, Ill.
 Application March 4, 1952, Serial No. 18,771
 Term of patent 14 years
 (Cl. D74-7)



The ornamental design for a combined eraser and brush, substantially as shown.

168,751

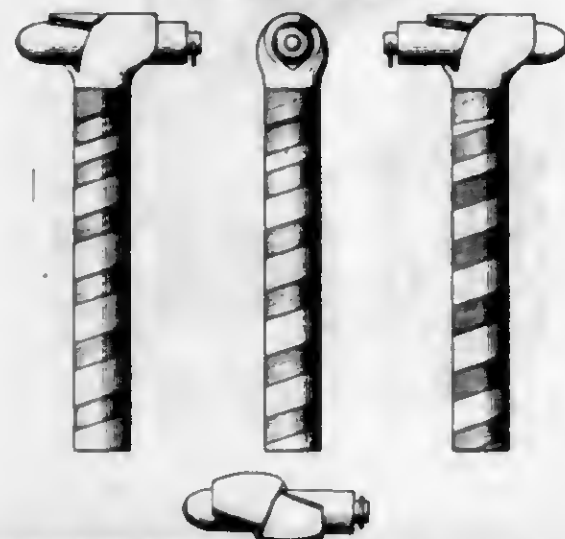
UMBRELLA HANDLE
 David Miller, Lancaster, Pa.
 Application July 8, 1952, Serial No. 20,510
 Term of patent 14 years
 (Cl. D88-3)



The ornamental design for an umbrella handle, as shown.

168,752

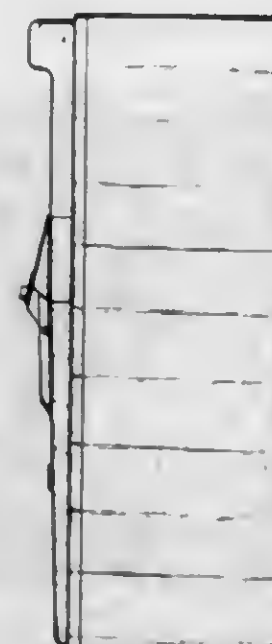
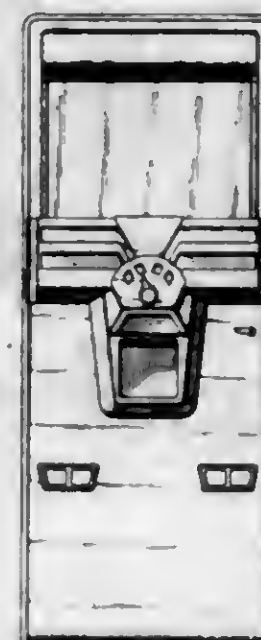
UMBRELLA HANDLE
 David Miller, Lancaster, Pa.
 Application July 8, 1952, Serial No. 20,511
 Term of patent 14 years
 (Cl. D88-3)



The ornamental design for an umbrella handle, as shown.

168,753

DRINK DISPENSER
 Erdick Nelson, Waiworth, Wis., assignor to Square
 Manufacturing Company, a corporation of Illi-
 nois
 Application September 23, 1952, Serial No. 21,554
 Term of patent 14 years
 (Cl. D52-3)



The ornamental design for a drink dispenser, as shown.

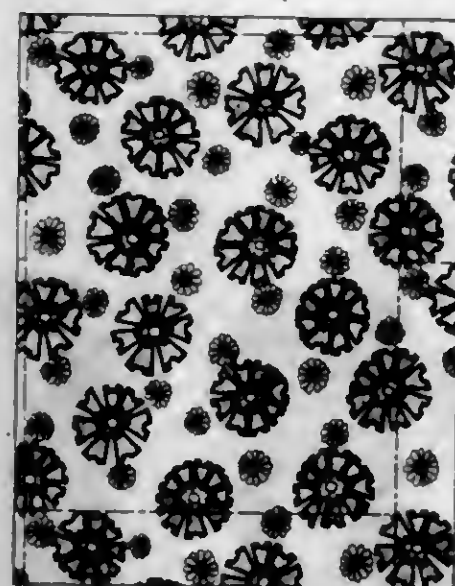
168,754

SPACE HEATER
 Willis N. Nelson, Wisconsin Rapids, Wis., assignor to
 Prentiss Wabers Products Co., Wisconsin
 Rapids, Wis., a corporation of Wisconsin
 Application January 15, 1952, Serial No. 18,069
 Term of patent 14 years
 (Cl. D81-19)



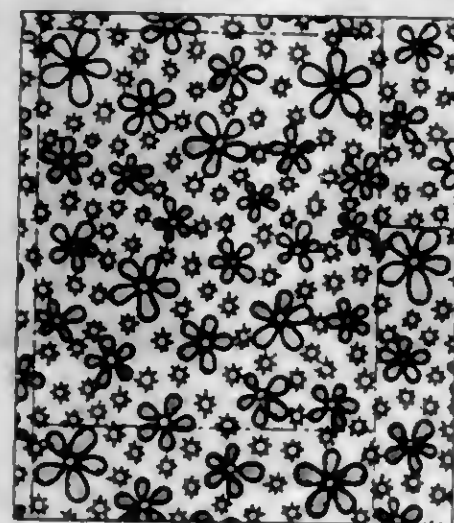
The ornamental design for a space heater, as shown.

168,755
TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,930
Term of patent $3\frac{1}{2}$ years
(Cl. D92-1)



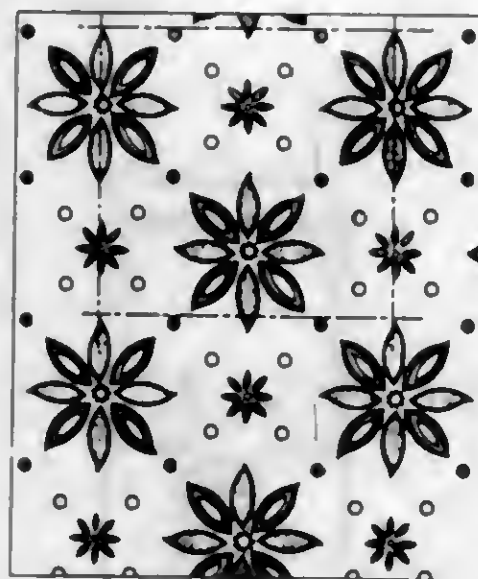
The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,756
TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,931
Term of patent $3\frac{1}{2}$ years
(Cl. D92-1)



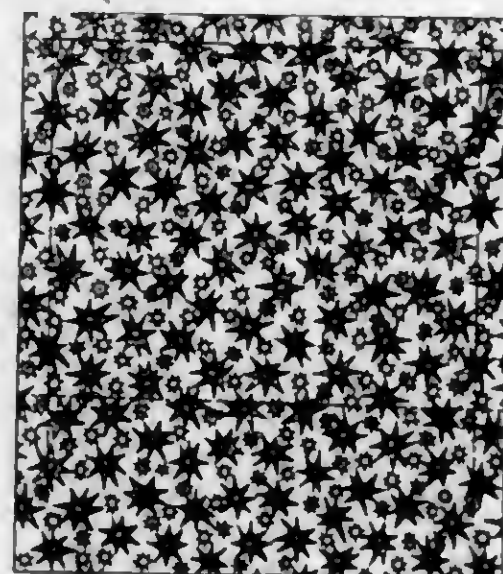
The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,757
TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,932
Term of patent $3\frac{1}{2}$ years
(Cl. D92-1)



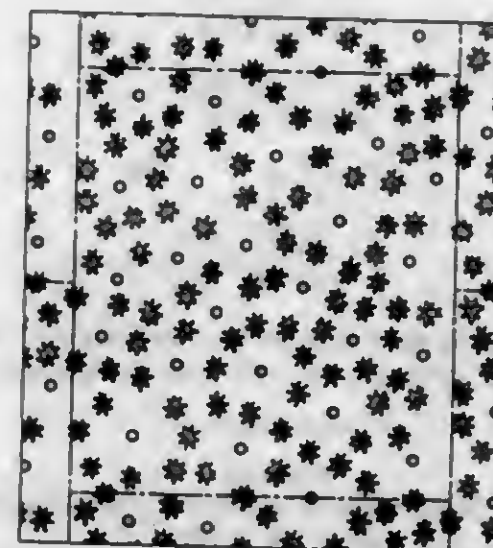
The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,758
TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Odzer, New York, N. Y.
Application October 22, 1952, Serial No. 21,933
Term of patent $3\frac{1}{2}$ years
(Cl. D92-1)



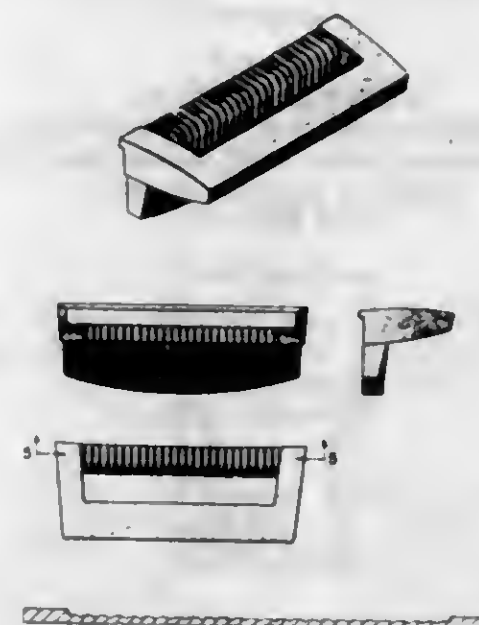
The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,759
TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Odzer, New York, N. Y.
Application November 6, 1952, Serial No. 22,158
Term of patent $3\frac{1}{2}$ years
(Cl. D92-1)



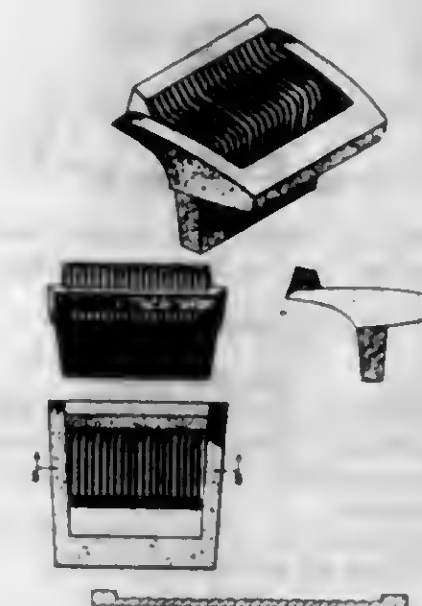
The ornamental design for a textile fabric or similar article, substantially as shown and described.

168,760
HANDLE FOR A WAFFLE BAKER
OR THE LIKE
John N. Polivka, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application October 30, 1952, Serial No. 22,061
Term of patent 14 years
(Cl. D81-10)



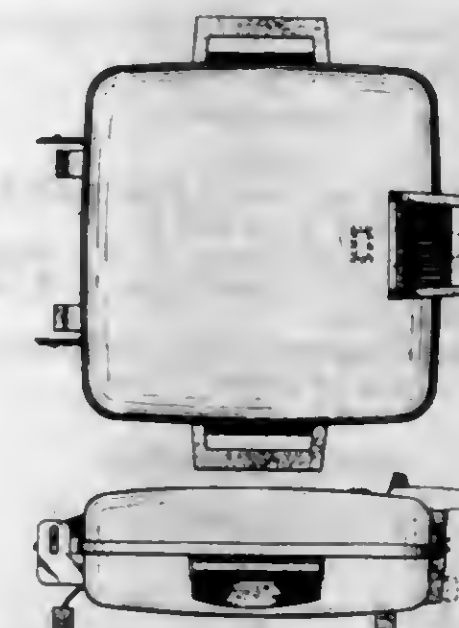
The ornamental design for a handle for a waffle baker or the like, as shown.

168,761
HANDLE FOR WAFFLE BAKERS
AND THE LIKE
John N. Polivka, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application October 30, 1952, Serial No. 22,062
Term of patent 14 years
(Cl. D81-10)

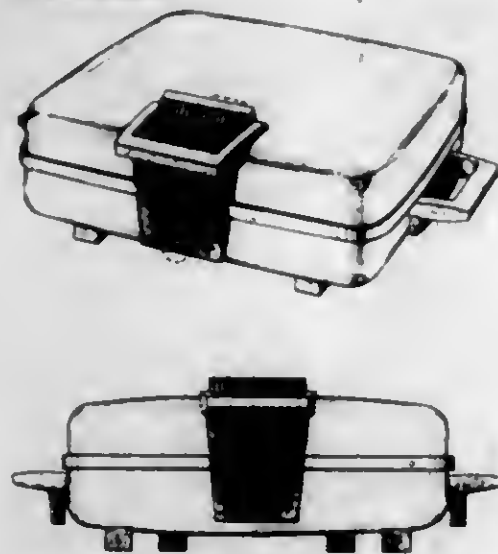


The ornamental design for a handle for waffle bakers and the like, as shown.

168,762
COMBINATION GRILL AND WAFFLE BAKER
OR THE LIKE
John N. Polivka, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application October 30, 1952, Serial No. 22,064
Term of patent 14 years
(Cl. D81-10)



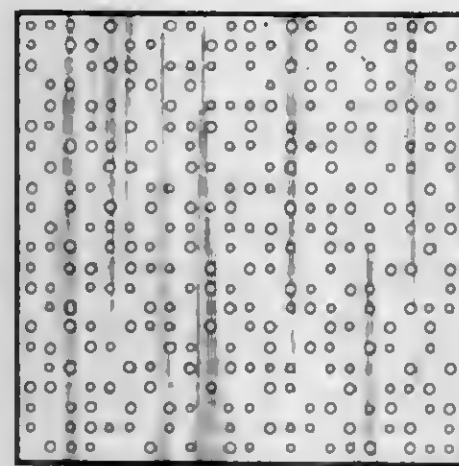
168,762—Continued



The ornamental design for a combination grill and waffle baker or the like, as shown and described.

168,763

ACOUSTICAL CORRECTION TILE
Theodore Prislend, Hillside, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application June 27, 1952, Serial No. 20,382
Term of patent 14 years
(Cl. D18—2)



The ornamental design for an acoustical correction tile, as shown.

168,764

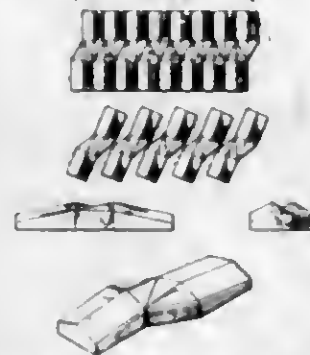
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application November 3, 1951, Serial No. 17,266
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

168,765
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE

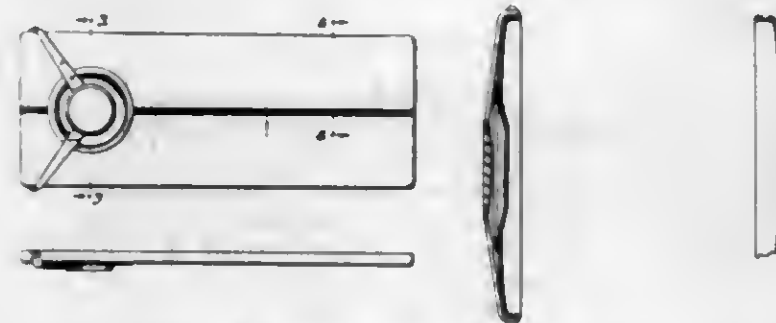
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application August 19, 1952, Serial No. 21,101
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown.

168,766

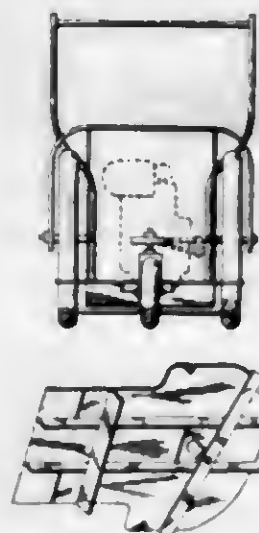
EVAPORATOR DOOR FOR REFRIGERATORS OR THE LIKE
Ray C. Sandin, Oak Park, Ill., assignor to General Electric Company, a corporation of New York
Application July 22, 1952, Serial No. 20,726
Term of patent 14 years
(Cl. D67—3)



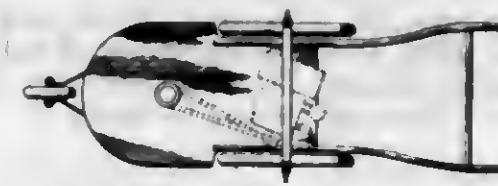
The ornamental design for an evaporator door for refrigerators or the like, substantially as shown.

168,767

POWER MOWER
Anthony Sarlo, Fort Myers, Fla.
Application April 5, 1951, Serial No. 14,721
Term of patent 14 years
(Cl. D40—1)



168,767—Continued



The ornamental design for a power mower, substantially as shown.

168,768

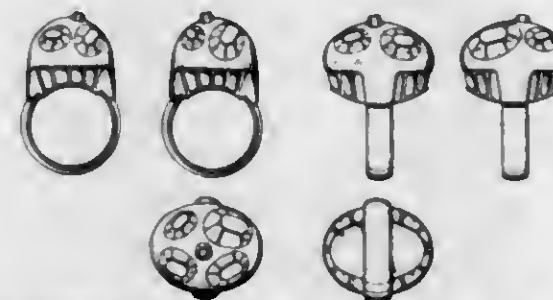
PLASTIC SHEETING OR SIMILAR ARTICLE
Harry Schlesinger, New York, N. Y.
Application October 6, 1952, Serial No. 21,707
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a plastic sheeting or similar article, substantially as shown.

168,769

RING
Ernest Steiner, New York, N. Y.
Application May 17, 1952, Serial No. 19,754
Term of patent 7 years
(Cl. D45—10)



The ornamental design for a ring, as shown.

168,770

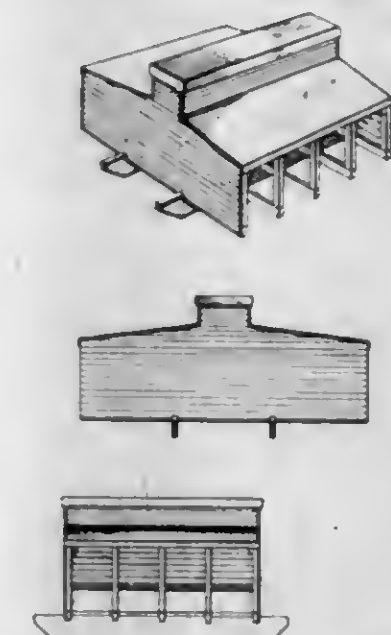
CLIP-ON LAPEL FLOWER HOLDER
Ernest Steiner, New York, N. Y.
Application May 17, 1952, Serial No. 19,755
Term of patent 7 years
(Cl. D29—28)



The ornamental design for a clip-on lapel flower holder, as shown.

168,771

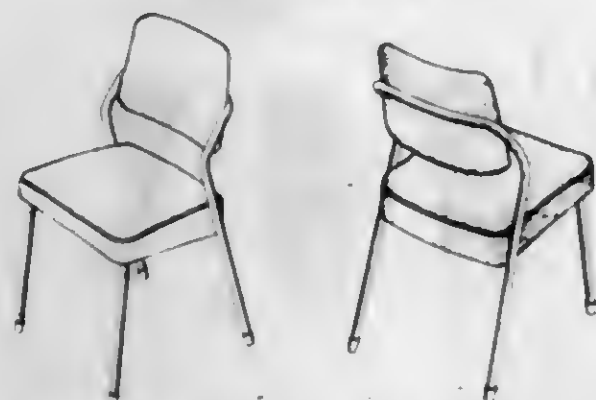
CALF FEEDER OR SIMILAR ARTICLE
Kenneth L. Swanson, New Holland, Ohio, assignor to New Holland Feed and Farm Supply Company, New Holland, Ohio, a corporation of Ohio
Application April 5, 1952, Serial No. 19,202
Term of patent 14 years
(Cl. D12—2)



The ornamental design for a calf feeder or similar article, substantially as shown and described.

168,772
CHAIR

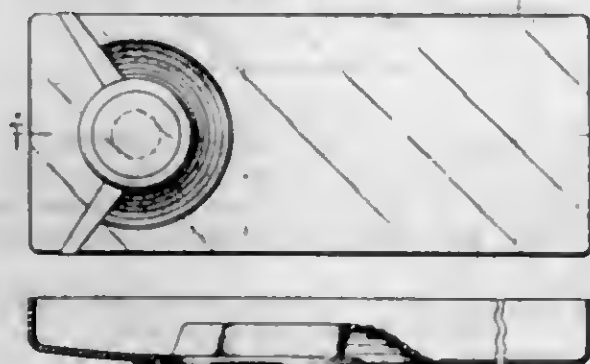
Franz Wagner, Evanston, Ill., assignor to Arvin Industries, Inc., Columbus, Ind., a corporation of Indiana
Application September 27, 1952, Serial No. 21,612
Term of patent 14 years
(Cl. D15-8)



The ornamental design for a chair, as shown.

168,773
EVAPORATOR DOOR FOR REFRIGERATORS OR THE LIKE

Lutrelle P. Wassmann, Chicago, Ill., assignor to General Electric Company, a corporation of New York
Application July 29, 1952, Serial No. 20,795
Term of patent 14 years
(Cl. D67-3)



The ornamental design for an evaporator door for refrigerators or the like, substantially as shown.

168,774
TEXTILE FABRIC

Edward White, IV., Cranford, N. J., assignor to Chicopee Mills, Inc., a corporation of New York
Application August 13, 1952, Serial No. 21,019
Term of patent 14 years
(Cl. D92-1)



The ornamental design for a textile fabric, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- A/S Bergenhus Canning Co., Bergen, Norway. Canned sardines. Serial No. 614,606, Feb. 3. Class 46.
- Abbott Laboratories, North Chicago, Ill. Various radioactive pharmaceuticals. Serial No. 626,015, Feb. 3. Class 18.
- Abbott Laboratories, North Chicago, Ill. Hypnotic sedative, analgesic and antispasmodic compound. Serial No. 626,358, Feb. 3. Class 18.
- Abbott Laboratories, North Chicago, Ill. Plastic disposable syringe. Serial No. 630,178, Feb. 3. Class 44.
- Advance Car Mover Company, Inc., Appleton, Wis. Railroad car moving tool. Serial No. 617,523, Feb. 3. Class 23.
- Aero Feeder Company, The: See—
- Blazek, Rosemary V.
- Aladdin Sales Company, Jersey City, N. J. Hubble blowing devices. Serial No. 630,051, Feb. 3. Class 22.
- Allen, Alan A., doing business as Milli-Switch Corp., Hollywood, Calif. Electric switches. Serial No. 624,804, Feb. 3. Class 21.
- Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electromagnetic vibrating feeders and electrical power units. Serial No. 614,804, Feb. 3. Class 21.
- Alpha Kappa Alpha Sorority, Chicago, Ill. Establishing and maintaining membership in a national sorority. Serial No. 612,233, Feb. 3. Class 100.
- Alwatt Co.: See—
- Johnson, Robert A.
- Amerex Trading Corporation, New York, N. Y. Ladies' and men's scarves. Serial No. 629,981, Feb. 3. Class 39.
- American Cancer Society, Inc., New York, N. Y. Dissemination of information, relative to cancer research, treatment, and control, etc. Serial No. 619,183, Feb. 3. Class 100.
- American Laundry Machinery Company, The, Norwood, Ohio, and Milwaukee, Wis. Dry cleaning machines. Serial No. 622,683, Feb. 3. Class 24.
- American Machine and Foundry Company, New York, N. Y. Baking ovens, and parts pertaining to such apparatus. Serial No. 574,805, Feb. 3. Class 34.
- American-Marletta Company, Chicago, Ill. Ready-mixed paints and enamels. Serial No. 619,805, Feb. 3. Class 16.
- American-Marletta Company, Chicago, Ill. Ready mixed paint. Serial No. 626,597, Feb. 3. Class 16.
- American Optical Company, Southbridge, Mass. Lenses. Serial No. 629,079, Feb. 3. Class 26.
- American Optical Company, Southbridge, Mass. Ophthalmic frames. Serial No. 629,142, Feb. 3. Class 26.
- American Relay & Controls, Inc., Chicago, Ill. Electrical circuit control elements. Serial No. 621,905, Feb. 3. Class 21.
- Animeo Tools, Inc., North Chicago, Ill. Brake drum micrometers, and brake gages. Serial No. 614,978, Feb. 3. Class 20.
- Animeo Tools, Inc., North Chicago, Ill. Brake drum micrometers, and brake gages. Serial No. 614,980, Feb. 3. Class 20.
- Anchor Hocking Glass Corporation, Lancaster, Ohio. Glassware. Serial No. 551,603, Feb. 3. Class 33.
- Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass tableware. Serial No. 592,117, Feb. 3. Class 33.
- Architectural & Engineering Enterprises, Inc., doing business as The Red-I-Form Company, Bartlesville, Okla. Metal forms for concrete. Serial No. 589,884, Feb. 3. Class 12.
- Arkwright, Incorporated, New York, N. Y. Cutlery. Serial No. 630,303, Feb. 3. Class 23.
- Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 613,800, Feb. 3. Class 19.
- Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 632,972, Feb. 3. Class 19.
- Ashland Oil & Refining Company, Ashland, Ky. Gasoline. Serial No. 627,311, Feb. 3. Class 15.
- Associated Merchandising Corporation, The, New York, N. Y. Electric blankets. Serial No. 631,457, Feb. 3. Class 21.
- Ateliers de Normandie, Paris, France. Automatic gauges. Serial No. 604,684, Feb. 3. Class 26.
- Athey Products Corporation, Chicago, Ill. Trailer-type vehicles. Serial No. 631,527, Feb. 3. Class 19.
- Avlon Automotive Parts, Inc., New York, N. Y. Electric fuses, switches, and spark plugs. Serial No. 622,375, Feb. 3. Class 21.
- Bacharach Industrial Instrument Company, Pittsburgh, Pa. Smoke testers, smoke stack thermometers, and fuel oil graduates. Serial No. 579,913, Feb. 3. Class 26.
- Baldwin-Lima-Hamilton Corporation: See—
- Baldwin Locomotive Works, The
- Baldwin Locomotive Works, The, Eddystone, Pa., now by change of name Baldwin-Lima-Hamilton Corporation. Machines for testing the strength of materials; instruments responsive to, and instruments for measuring, indicating and recording strain, etc. Serial No. 595,052, Feb. 3. Class 26.
- Barry, Donald, Productions, Inc., Los Angeles, Calif. Toy cap pistols, toy holster sets, toy apurs, etc. Serial No. 617,849, Feb. 3. Class 22.
- Basic Chemical Wood Treating Co.: See—
- Spring Hill Fuel Co., Inc.
- Bedker, Leo W., doing business as Salvo Tool & Engineering Co., Roseville, Mich. Rolls for forming threads, oil grooves, or the like, and holders and adaptors for such rolls, etc. Serial No. 588,124, Feb. 3. Class 23.
- Best, John H., & Sons, Inc., Galva, Ill. Hand trucks. Serial No. 629,229, Feb. 3. Class 19.
- Blazek, Rosemary V., doing business as The Aero Feeder Company, Minneapolis, Minn. Sub-soil feeding tube. Serial No. 629,883, Feb. 3. Class 13.
- Brunsviga Maschinenwerke, A. G., Braunschweig, Germany. Calculating and adding machines. Serial No. 625,563, Feb. 3. Class 26.
- Buildog Electric Products Co., Detroit, Mich. Circuit breakers. Serial No. 548,921, Feb. 3. Class 21.
- Burton-Edward Company, Oklahoma City, Okla. Vitamin preparation. Serial No. 629,282, Feb. 3. Class 18.
- Caldwell, Robert, Lakin, Kans. Mechanical livestock roller and insecticide applicator. Serial No. 627,319, Feb. 3. Class 23.
- California Berry Freezers, Inc., Watsonville, Calif. Fresh strawberrers and frozen fresh strawberries. Serial No. 629,473, Feb. 3. Class 46.
- Calfax Incorporated, Van Nuys, Calif. Men's and women's leather jackets. Serial No. 630,576, Feb. 3. Class 39.
- Callaway Mills Company, La Grange, Ga. Holder for use in the preparation of specimens for microscopic examination, etc. Serial No. 623,792, Feb. 3. Class 26.
- Calvital Company, Inc., Mount Vernon, N. Y. Antiseptic baby cream. Serial No. 629,422, Feb. 3. Class 18.
- Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Interval timers. Serial No. 615,367, Feb. 3. Class 26.
- Chemical Research Products, Inc., Seattle, Wash. Grease trap and drain cleaners. Serial No. 619,698, Feb. 3. Class 32.
- Chemlon, Inc., New York, N. Y. Liquid waterproof coating composition. Serial No. 620,771, Feb. 3. Class 16.
- Chicago Eye Shield Company, Chicago, Ill. Hardened glass protective lenses. Serial No. 618,388, Feb. 3. Class 28.
- Chiron, H., Company, Inc., New York, N. Y. Reeds for saxophones, clarinets, etc. Serial No. 621,752, Feb. 3. Class 36.
- Chrome-Tec Distributing Company, Ferndale, Mich. Protective liquid coating. Serial No. 625,339, Feb. 3. Class 16.
- Cities Service Oil Company, Bartlesville, Okla. Petroleum oil compositions. Serial No. 627,497, Feb. 3. Class 15.
- Concord Watch Co., Inc., New York, N. Y. Watches and clocks. Serial No. 634,521, Feb. 3. Class 27.
- Congoleum-Nalrn Inc., Kearny, N. J. Tool kit. Serial No. 629,426, Feb. 3. Class 23.
- Continental Copper & Steel Industries, Inc., Holyoke, Mass., and New York, N. Y. Plows. Serial No. 619,447, Feb. 3. Class 23.
- Coro, Inc., New York, N. Y. Necklaces, bracelets not including watches, earrings, etc. Serial No. 626,860, Feb. 3. Class 28.
- Crowley, Henry L., & Company, Inc., West Orange, N. J. Antennas, filter chokes and interference eliminators. Serial No. 605,468, Feb. 3. Class 21.
- Dache, Lilly, Inc., New York, N. Y. Women's hats, dresses, gloves, etc. Serial No. 629,499, Feb. 3. Class 39.
- Dean Hubber Manufacturing Co., North Kansas City, Mo. Prophylactic rubber articles. Serial No. 626,592, Feb. 3. Class 44.
- De Laval Separator Company, The, Poughkeepsie, N. Y. Milking machines, test cups, and parts thereof. Serial No. 628,523, Feb. 3. Class 23.
- De Roy Manufacturing Co., South Gate, Calif. Lids for open cans of food. Serial No. 610,084, Feb. 3. Class 30.
- Diamond Power Specialty Corporation, Lancaster, Ohio, now by merger, Diamond Power Specialty Corporation. Electronic tubes. Serial No. 621,546, Feb. 3. Class 21.
- Diesel C. Burner Corp. of N. Y., Jamaica, N. Y. Oil burners and water heating apparatus. Serial No. 632,830, Feb. 3. Class 34.
- Dietzgen, Eugene, Co., Chicago, Ill. Draftsmen's articles. Serial No. 625,720, Feb. 3. Class 26.
- Driscoll Strawberries, Inc., San Martin, Calif. Frozen fresh berries. Serial No. 628,099, Feb. 3. Class 46.
- Duralux Company, The, Wooster, Ohio. Electric percolators, teakettles, teapots, etc. Serial No. 629,993, Feb. 3. Class 21.
- Eagle Signal Corporation, Moline, Ill. Electrically operated, switch actuated, motor driven circuit timers. Serial No. 592,557, Feb. 3. Class 26.
- Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic cameras, photographic projectors, photographic printers, etc. Serial No. 616,089, Feb. 3. Class 26.

LIST OF TRADE-MARK APPLICANTS

Easy Method Auto Driver Training School, Inc., Washington, D. C. Auto driver training. Serial No. 556,626, Feb. 3. Class 107.

Edwards, W., & Company (London) Limited, London, England. High-vacuum pumps for scientific and research purposes. Serial No. 604,194, Feb. 3. Class 26.

Erle City Iron Works, Erle, Pa. Stokers. Serial No. 632,981, Feb. 3. Class 34.

Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Rules, calculating rules, triangles, and T-squares. Serial No. 626,158, Feb. 3. Class 26.

Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Type composing machines. Serial No. 610,207, Feb. 3. Class 23.

Falmer Mfg. Company, Youngstown, Ohio. Television antennas. Serial No. 628,403, Feb. 3. Class 21.

Fansteel Metallurgical Corporation, North Chicago, Ill. Tantalum oxide, tantalum carbide, sodium tungstate, etc. Serial No. 634,036, Feb. 3. Class 6.

Federated Department Stores, Inc., Cincinnati, Ohio. Textile rugs, cotton, rayon, woolen, silk and linen yard goods, textile table place mats, etc. Serial No. 623,134, Feb. 3. Class 42.

Flood Safety Products Company, Chicago, Ill. Plastic cover lens. Serial No. 586,156, Feb. 3. Class 26.

Future Products Co., Portland, Oreg. Clutch operated shifting mechanism. Serial No. 585,582, Feb. 3. Class 23.

Gardiner Manufacturing Company, Inc., Buffalo, N. Y. Sodium hypochlorite solution. Serial No. 622,533, Feb. 3. Class 8.

Gemex Company, Union, N. J. Bracelets and watch bracelets and watch straps. Serial No. 634,043, Feb. 3. Class 28.

General Aniline & Film Corporation, New York and Birmingham, N. Y. Light-sensitive photographic material. Serial Nos. 631,859-60, Feb. 3. Class 26.

General Glaze Corporation, Baltimore, Md. Molding clay. Serial No. 629,015, Feb. 3. Class 1.

General Motors Corporation, Detroit, Mich. Automobiles and parts thereof. Serial No. 626,486, Feb. 3. Class 19.

General Refractories Company, Philadelphia, Pa. Refractory brick. Serial No. 611,355, Feb. 3. Class 12.

Gerber Products Company, Fremont, Mich. Specially prepared cereal foods. Serial No. 596,090, Feb. 3. Class 46.

Gewerkshaff Eisenhütte Westfalia, Wethmar near Lunen/Westf., Germany. Mining coal planers, mining chutes, coal conveyors, etc. Serial No. 580,934, Feb. 3. Class 23.

Goerlich's, Toledo, Ohio. Mufflers for use with internal combustion engines and extensions for tail pipes. Serial No. 632,207, Feb. 3. Class 23.

Grace, W. R., & Co., Wheeling, W. Va., and San Francisco, Calif. Chemical weed killers and insecticides. Serial No. 633,350, Feb. 3. Class 6.

Grandma Moses Properties, Inc., New York, N. Y. China-ware. Serial No. 626,623, Feb. 3. Class 30.

Grant Pulley & Hardware Co., Flushing, N. Y. Mounting hardware, cabinet hardware, etc. Serial No. 622,405, Feb. 3. Class 13.

Guardian Light Company, Inc., Oak Park, Ill. Electric lighting fixtures. Serial No. 628,759, Feb. 3. Class 21.

Hadston Machine Works, Callahan, Calif. Hand operated tools, holding claws for use with power driven saws. Serial No. 607,580, Feb. 3. Class 23.

Hallmark Ring Corporation, Chicago, Ill. Jewelry. Serial No. 614,250, Feb. 3. Class 28.

Hartnell, Norman, Limited, London, England. Perfumes and essential oils. Serial No. 617,794, Feb. 3. Class 31.

Hathaway Instrument Company, Denver, Colo. Oscillograph galvanometers, oscillographs, etc. Serial No. 598,418, Feb. 3. Class 26.

Haverfield Company, The, Columbus, Ohio. Hats. Serial No. 567,781, Feb. 3. Class 39.

Heenan & Froude Limited, Worcester, England. Dynamometers. Serial No. 619,243, Feb. 3. Class 26.

Hendricks, Inc., Sacramento, Calif. Paint. Serial No. 629,243, Feb. 3. Class 16.

Heyden Chemical Corporation, New York, N. Y. Mixtures of polyhydric alcohols. Serial No. 621,825, Feb. 3. Class 6.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand-operated compression sprayers. Serial No. 624,745, Feb. 3. Class 23.

Hunt Foods, Inc., Fullerton, Calif. Canned fruits; canned vegetables; canned tuna fish, etc. Serial No. 629,203, Feb. 3. Class 46.

International Alliance of Theatrical Stage Employees and Moving Picture Machine Operators of the United States and Canada, New York, N. Y. Motion picture film. Serial No. 620,732, Feb. 3. Class 26.

International Heater Company, Utica, N. Y. Hot water boilers and hot water supply heaters. Serial No. 617,084, Feb. 3. Class 34.

International Plywoods Limited, Montreal, Quebec, Canada. Plywood. Serial No. 605,587, Feb. 3. Class 12.

International Register Company, Chicago, Ill. Coin-operated time switches. Serial No. 594,717, Feb. 3. Class 26.

Interstate Engineering Corporation, El Segundo, Calif. Electric vacuum cleaners and attachments therefor. Serial No. 618,296, Feb. 3. Class 21.

Irrington Varnish & Insulator Company, Irvington, N. J. Strippable masking compositions. Serial No. 628,945, Feb. 3. Class 16.

Jacoby, George W., Jr., doing business as Lee Manufacturing Co., Wooster, Ohio. Hypodermic needles. Serial No. 632,088, Feb. 3. Class 44.

Jeletone Products Limited, London, England. Filling and surfacing compound. Serial No. 625,070, Feb. 3. Class 12.

Jeta, Inc., New York, N. Y. Shirts. Serial No. 629,024, Feb. 3. Class 39.

Jeta, Inc., New York, N. Y. Shirts. Serial No. 629,026, Feb. 3. Class 39.

Johnson, Robert A., doing business under the fictitious name and style of Alwalt Co., Modesto, Calif. Electrical installation products. Serial No. 625,853, Feb. 3. Class 21.

Kalart Company Inc., The, Plainville, Conn. Camera attachments and accessories. Serial No. 609,863, Feb. 3. Class 26.

Karlson, Rodney, Glard, Ohio. Candy. Serial No. 626,251, Feb. 3. Class 46.

Kempton, Gordon R., doing business under the assumed name of No-Rue Company, Portland, Oreg. Preparation for stomach distress. Serial No. 620,043, Feb. 3. Class 18.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. Serial No. 598,534, Feb. 3. Class 26.

Keystone View Company, Meadville, Pa. Apparatus and devices for the testing and training of visual abilities, and accessories. Serial No. 577,418, Feb. 3. Class 26.

Klingston Watch Co., New York, N. Y. Watches. Serial No. 634,045, Feb. 3. Class 27.

Knoll Associates, Inc., New York, N. Y. Articles of furniture. Serial No. 623,469, Feb. 3. Class 32.

Knopf Instrument Company, Jersey City, N. J. Recorders for vehicles and industrial machines. Serial No. 619,761, Feb. 3. Class 26.

Lebow Bros., Inc., Baltimore, Md. Men's suits, topcoats and overcoats. Serial No. 629,208, Feb. 3. Class 39.

Lee Manufacturing Co., See—
Jacoby, George W., Jr.

Lebon Company, The, Chicago, Ill. Celery bleaching paper, letterheads, billheads, etc. Serial Nos. 320,738-9, Feb. 3. Class 37.

Lee Parfums Jacques Fath (Société à Responsabilité Limitée), Paris (Seine), France. Perfumes. Serial No. 601,109, Feb. 3. Class 31.

Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Medicinal ointments and medicinal preparations. Serial No. 617,372, Feb. 3. Class 18.

Loga-Calculator Aktiengesellschaft, Uster, Zurich, Switzerland. Adding and calculating machines and apparatus, long scale slide rules, calculating cylinders and discs. Serial No. 616,234, Feb. 3. Class 26.

Love, John, West Orange, N. J. Portable vehicle wheel toe-in and toe-out and camber indicator. Serial No. 615,839, Feb. 3. Class 26.

Macon Shirt Company, Macon, Ga. Men's sport and dress shirts. Serial No. 632,093, Feb. 3. Class 39.

Makers of Kal, Inc., Los Angeles, Calif. Laxative preparation. Serial No. 614,704, Feb. 3. Class 18.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Indicating and recording pressure and vacuum gauges, liquid level gauges, etc. Serial No. 560,491, Feb. 3. Class 26.

Markwell Manufacturing Co., Inc., New York, N. Y. Stapling machines. Serial No. 626,333, Feb. 3. Class 23.

Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. Serial No. 606,541, Feb. 3. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Medicated powders, medicinal spirits, powdered extracts, etc. Serial No. 606,549, Feb. 3. Class 18.

Mathieson Chemical Corporation, Baltimore, Md. Ammonium sulfate, benzene hexachloride, calcium hypochlorite, etc. Serial No. 634,696, Feb. 3. Class 6.

McCauley Corporation, Dayton, Ohio. Propellers for use on airplanes. Serial No. 600,684, Feb. 3. Class 19.

McCoy Drug Co., See—
McCoy, Paul V.

McCoy, Paul V., doing business under the name and style McCoy Drug Co., Santa Ana, Calif. Preparation for the relief of constipation. Serial No. 615,498, Feb. 3. Class 16.

McDonald, A. Y., Manufacturing Co., Dubuque, Iowa. Check valves, relief valves, air pressure controlled valves, etc. Serial No. 608,875, Feb. 3. Class 13.

McDonald, A. Y., Manufacturing Co., Dubuque, Iowa. Galley pumps, force pumps, shallow and deep well reciprocating pumps, etc. Serial No. 621,277, Feb. 3. Class 23.

McDonald, Mrs. J. G., Chocolate Company, Salt Lake City, Utah. Candy. Serial No. 576,924, Feb. 3. Class 46.

McGraw Electric Company, Chicago, Ill. Electrical transformers. Serial No. 629,579, Feb. 3. Class 21.

McKinney, Marlon A., Chicago, Ill. Miniature figures. Serial No. 618,054, Feb. 3. Class 50.

McNeill, Alexander W., Saugus, Mass. Shoe lasts and parts of lasts. Serial No. 632,038, Feb. 3. Class 50.

LIST OF TRADE-MARK APPLICANTS

Medicus, Philip J., New York, N. Y. Sunglasses, goggles and spectacles, shooting glasses. Serial No. 626,809, Feb. 3. Class 26.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. Serial No. 525,642, Feb. 3. Class 39.

Metalfab Corporation, Dallas, Tex. Canopy assembly for use on pick-up and stake body trucks. Serial No. 631,062, Feb. 3. Class 19.

Mill-Switch Corp., See—
Allen, Alan A.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Thermosetting resin. Serial No. 636,856, Feb. 3. Class 6.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Chemical compound. Serial No. 636,859, Feb. 3. Class 6.

Monark Silver King, Inc., Chicago, Ill. Bicycles. Serial No. 631,809, Feb. 3. Class 19.

Monomelt Co., Inc., The, Minneapolis, Minn. Milling machines. Serial No. 629,034, Feb. 3. Class 23.

Moore, Benjamin & Co., New York, N. Y. Ready mixed paints. Serial No. 631,366, Feb. 3. Class 16.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Electric food waste disposer units and electric dishwashers. Serial No. 623,687, Feb. 3. Class 21.

Murray Company of Texas, Inc., The, Dallas, Tex. Cotton gins, cotton feeders, cotton elevators, etc. Serial No. 603,075, Feb. 3. Class 23.

Mutation Mink Breeders Association, Elkhorn, Wis. Mink pelts. Serial No. 632,793, Feb. 3. Class 1.

National Farm Equipment Co., Inc., New York, N. Y. Combination egg grader and candler. Serial No. 606,671, Feb. 3. Class 26.

Neikins, Frances & Walter, Inc., New York, N. Y. Women's, misses' and girls' hats, scarves, gloves, etc. Serial No. 601,634, Feb. 3. Class 39.

New Jersey Wood Finishing Company, Woodbridge, N. J. Electrical insulating material. Serial No. 630,341, Feb. 3. Class 21.

Newton Line Company Incorporated, Village of Homer, N. Y. Fishing lines. Serial No. 568,527, Feb. 3. Class 22.

New York Association for the Blind, Inc., The, New York, N. Y. Floor mops. Serial No. 606,039, Feb. 3. Class 29.

Norsk Frossenflak A/L, Oslo, Norway. Frozen whole fish (skin on), frozen fish fillet (skinless), and frozen whale meat. Serial No. 609,136, Feb. 3. Class 46.

No-Rue Company, See—
Kempton, Gordon R.

OMA Cheese Company A/S, Copenhagen, Denmark. Cheese. Serial No. 623,863, Feb. 3. Class 46.

Omag Optik und Mechanik A. G., Neuchâtel-Basel, Switzerland. Photographic lenses, photographic optical filters, photographic enlargers, etc. Serial No. 601,272, Feb. 3. Class 26.

Opesalt, Inc., Hamilton, Ohio. Fresh milk, chocolate milk, fresh buttermilk, etc. Serial No. 575,082, Feb. 3. Class 46.

Overseas Export Corporation, New York, N. Y. Automotive engine parts. Serial No. 616,655, Feb. 3. Class 23.

Packard Motor Car Company, Detroit, Mich. Automotive vehicles. Serial No. 630,947, Feb. 3. Class 19.

Papoose Service Corporation, Los Angeles, Calif. Child's chair-table ensembles, folding tables and stands, rockers, etc. Serial No. 577,138, Feb. 3. Class 32.

Paramount Optical Mfg. Corp., New York, N. Y. Parts for ophthalmic mountings. Serial No. 612,218, Feb. 3. Class 26.

Parker Rust Proof Company, Detroit, Mich. Metal surface primer and rust preventive conditioner coating. Serial No. 627,079, Feb. 3. Class 16.

Pennwood Numechron Co., Pittsburgh, Pa. Clocks. Serial No. 567,129, Feb. 3. Class 27.

Persolite Products, Inc., Chicago, Ill. Plaster and concrete aggregate. Serial No. 576,552, Feb. 3. Class 12.

Persolite Products, Inc., Denver, Colo. Construction materials. Serial No. 623,849, Feb. 3. Class 12.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Assembled pen or brooder. Serial No. 626,746, Feb. 3. Class 50.

Philadelphia Textile Finishers, Inc., Morristown, Pa. Textile fabrics. Serial No. 623,903, Feb. 3. Class 42.

Philadelphia Textile Finishers, Inc., Morristown, Pa. Textile fabrics. Serial No. 623,905, Feb. 3. Class 42.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress, sport, and work clothing and parts thereof. Serial No. 594,063, Feb. 3. Class 39.

Picker X-Ray Corporation, New York, N. Y. X-ray film holders. Serial No. 616,047, Feb. 3. Class 26.

Pillsbury Mills, Inc., Minneapolis, Minn. Rabbit feed. Serial No. 597,860, Feb. 3. Class 46.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial No. 620,621, Feb. 3. Class 46.

Plastic Engineering, Inc., Cleveland, Ohio. Plastic tile. Serial Nos. 626,114-15, Feb. 3. Class 12.

Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Antihistaminic, anesthetic, antibiotic water soluble cream. Serial No. 634,338, Feb. 3. Class 18.

Puritan Piece Dye Works, Paterson, N. J. Water repellent textile fabrics. Serial No. 624,155, Feb. 3. Class 42.

Qualcast Limited, Derby, England. Lawn mowers. Serial No. 628,874, Feb. 3. Class 23.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for measuring distances by reflected sound waves or by similar acoustic methods. Serial No. 625,992, Feb. 3. Class 26.

Red-I-Form Company, The, See—
Architectural & Engineering Enterprises, Inc.

Refiners Sales Co., Detroit, Mich. Antifreeze preparation. Serial No. 633,736, Feb. 3. Class 6.

Richardson Company, The, Cincinnati, Ohio. Electroplating apparatus and parts thereof. Serial No. 614,569, Feb. 3. Class 21.

Rich's Inc., Atlanta, Ga. Men's suits, outer shirts, ties, etc. Serial No. 602,218, Feb. 3. Class 39.

Roberts Manufacturing Co., Cleburne, Tex. Stove hood. Serial No. 632,997, Feb. 3. Class 34.

Roger, Henry, doing business as Rolab, Sandy Hook, Conn. Sound film editing data. Serial No. 610,550, Feb. 3. Class 26.

Rohr Aircraft Corporation, Chula Vista, Calif. Plastic sealant compound. Serial No. 625,493, Feb. 3. Class 12.

Rolab, See—
Roger, Henry.

Romeo Packing Co., San Francisco, Calif. Canned fish. Serial No. 584,079, Feb. 3. Class 46.

Rotter, Harry, Chicago, Ill. Finger rings. Serial No. 632,176, Feb. 3. Class 28.

Russell Reinforced Plastics Corporation, Hicksville, N. Y. Conglomerates of synthetic resins and artificial fibers or fabrics. Serial No. 627,705, Feb. 3. Class 12.

Salvo Tool & Engineering Co., See—
Bedker, Leo W.

Salz, A. K., Company, San Francisco and Santa Cruz, Calif. Hides and leather. Serial No. 605,685, Feb. 3. Class 1.

Sandler, Eli L., & Co., Inc., New York, N. Y. Handkerchiefs. Serial No. 597,169, Feb. 3. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Men's and young men's trousers. Serial No. 632,751, Feb. 3. Class 39.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints. Serial No. 626,270, Feb. 3. Class 16.

Sjoistrom, John E., Company, Philadelphia, Pa. Fitted and movable laboratory science desks, laboratory tables, and laboratory benches, etc. Serial No. 624,162, Feb. 3. Class 20.

Skeoch, Walter, doing business under the firm name and style of Southern California Minerals Company, Los Angeles, Calif. Clay. Serial No. 630,287, Feb. 3. Class 1.

Societe Biopharma, Paris, France. Preparations in liquid form for use in ophthalmotherapeutics. Serial No. 617,515, Feb. 3. Class 18.

Society for Visual Education, Inc., Chicago, Ill. Projector for projecting images upon a screen. Serial No. 610,033, Feb. 3. Class 26.

Southern California Minerals Company, See—
Skeoch, Walter.

Southern Equipment Company, St. Louis, Mo. Hot food tables. Serial No. 603,028, Feb. 3. Class 34.

Spin-Dex, Inc., Skokie, Ill. Rotary card files. Serial No. 627,467, Feb. 3. Class 32.

Spring Hill Fuel Co., Inc., doing business under the assumed name of Basic Chemical Wood Treating Co., Seattle, Wash. Chemical wood preservative. Serial No. 634,494, Feb. 3. Class 6.

Stahl Industries, Inc., Youngstown, Ohio. Permanent type awnings. Serial No. 628,328, Feb. 3. Class 12.

Standard Dyewood Company, Medford, Mass. Shellac synthetic resin coating preparation. Serial No. 627,710, Feb. 3. Class 16.

Standard Scientific Supply Corp., New York, N. Y. Laboratory appliances. Serial No. 607,147, Feb. 3. Class 26.

Stan-Gard Pigeon & Bird Repellent Co., Inc., New York, N. Y. Metal strips attached to buildings. Serial No. 631,388, Feb. 3. Class 13.

Stein, Alfred, doing business under the name of Stein Candy Co., Forest Hills, N. Y. Candy. Serial No. 630,180, Feb. 3. Class 46.

Stein Candy Co., See—
Stein, Alfred.

Stepan Chemical Company, Chicago, Ill. Detergents, soaps, and cleaning and washing compounds. Serial No. 619,268, Feb. 3. Class 52.

Stevens, J. P., & Co., Inc., New York, N. Y. Piece goods. Serial No. 635,498, Feb. 3. Class 42.

Stols Freres, S. A., Fabrique d'Horlogerie Angelus, Le Locle, Switzerland. Boudoir, desk, and mantle clocks, watches and parts thereof. Serial No. 634,498, Feb. 3. Class 27.

Sunray Electric, Inc., Warren, Pa. Incandescent electric lamps, fluorescent lamps, fluorescent signs, etc. Serial No. 627,849, Feb. 3. Class 21.

Telaugraph Corporation, New York, N. Y. Electrically operated equipment. Serial No. 523,490, Feb. 3. Class 21.

Television Associates, Inc., Michigan City, Ind. Continuous film reels, motion picture projectors, dollies for television cameras, etc. Serial No. 590,190, Feb. 3. Class 26.

Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. Serial No. 623,437, Feb. 3. Class 26.

LIST OF TRADE-MARK APPLICANTS

Three B's Hosiery Mills, New York, N. Y. Ladies' hosiery. Serial No. 631,826, Feb. 3. Class 39.
 Tie-Rite, New York, N. Y. Bow neckties. Serial No. 628,832, Feb. 3. Class 39.
 Time Oil Co., Seattle, Wash., and Los Angeles, Calif. Gasoline. Serial No. 628,307, Feb. 3. Class 15.
 Toldey Company, Gertrude A. Muller, Inc., The, Fort Wayne, Ind. Child's automobile seat. Serial No. 621,637, Feb. 3. Class 19.
 Traffic House, Inc., Marshall, Mich. Speed control instruments. Serial No. 611,981, Feb. 3. Class 20.
 Unit Parts Company, Oklahoma City, Okla. Brake shoes. Serial No. 623,291, Feb. 3. Class 19.
 United States Safety Service Co., Kansas City, Mo. Goggles. Serial No. 627,989, Feb. 3. Class 28.
 Val-Tex, Inc., Brownsville, Tex. Cattle feed. Serial No. 633,892, Feb. 3. Class 46.
 Vogarelli Products Company: See—
 Lewis, Rosemarie.
 Voltarc Tubes, Inc., Norwalk, Conn. Neon sign and cold cathode lamp electrodes. Serial No. 632,860, Feb. 3. Class 21.
 Wander Company, The, Chicago, Ill. Vitamin preparation. Serial No. 623,776, Feb. 3. Class 18.
 Warner Steel Products Company, Inc., The, Ottawa, Kans. Farm machinery. Serial No. 628,448, Feb. 3. Class 23.
 Waters, James L., Inc., Framingham, Mass. Analyzers for the quantitative determination of constituents in gas mixtures and liquid mixtures. Serial No. 583,899, Feb. 3. Class 26.
 Waukesha Motor Company, Waukesha, Wis. Engine-compressor units for refrigeration systems, evaporator coolers, refrigerant compressors, etc. Serial No. 610,934, Feb. 3. Class 31.
 Wayne Pump Company, The, Fort Wayne, Ind. Pipeline or flow meters; fuel dispensers and measuring apparatus, etc. Serial No. 619,424, Feb. 3. Class 26.
 Wellmade Leather Goods Co., Inc., New York, N. Y. Men's and boys' belts. Serial No. 613,578, Feb. 3. Class 39.
 Wen-Mac Corporation, Beverly Hills, Calif. Toy airplanes, parts, and accessories. Serial No. 621,929, Feb. 3. Class 22.
 Werner, R. D. Co., Inc., New York, N. Y. Non-ferrous metal moldings and extruded metal in the forms of angles, channels, cap sections, etc. Serial No. 607,835, Feb. 3. Class 12.
 Whirlpool Corporation, St. Joseph, Mich. Dish washing machines. Serial No. 625,838, Feb. 3. Class 23.
 Will & Baumer Candle Co., Inc., Syracuse, N. Y. Wax candles. Serial No. 628,020, Feb. 3. Class 15.
 Willson Products, Inc., Reading, Pa. Ophthalmic mountings and parts thereof including goggles and protection-glass lenses. Serial No. 621,186, Feb. 3. Class 26.
 Winthrop-Stearns Inc., New York, N. Y. Preparation for the relief of eye irritations. Serial No. 626,972, Feb. 3. Class 18.
 Winthrop-Stearns Inc., New York, N. Y. Broad spectrum antibiotic agent. Serial No. 638,027, Feb. 3. Class 18.
 Wolf Outerwear Co. Inc., Boston, Mass. Cloth jackets, leather jackets, and sheepskin coats. Serial No. 632,105, Feb. 3. Class 39.
 Wonder Wash Corporation, Rye, N. Y. Deodorizing water soluble oxidizing agent. Serial No. 634,065, Feb. 3. Class 6.
 Wyeth Incorporated, Philadelphia, Pa. Streptomycin-kallium-alumina gel-pectin combination. Serial No. 608,231, Feb. 3. Class 18.
 Xenotek, Inc., Van Nuys, Calif. Preparation useful in overcoming bulk hunger in reducing. Serial No. 621,191, Feb. 3. Class 18.
 Zuckerman Mandeville Inc., Stockton, Calif. Fresh and canned asparagus. Serial No. 595,435, Feb. 3. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A S R Releases: See—
 Associated Release Service.
 Abel Corporation, The, Columbus, Ohio. Automobile seat and slip covers. 569,847, Feb. 3; Serial No. 558,980, published Sept. 23, 1952. Class 19.
 Ace Art Company, Reading, Mass. Paper napkins. 570,000, Feb. 3; Serial No. 626,651, published Oct. 28, 1952. Class 37.
 Acme Quality Paints, Inc.: See—
 Acme White Lead & Color Works.
 Acme White Lead & Color Works, to Acme Quality Paints, Inc., Detroit, Mich. Prepared paints, semi-paste paints, paint and enamel finishes, etc. 299,372, renewed Nov. 29, 1952. O. G. Feb. 3. Class 32.
 Adco, Inc.: See—
 American Disinfecting Company.
 Addressograph-Multigraph Corporation, Cleveland, Ohio. Frames for holding printing plates. 569,919, Feb. 3; Serial No. 609,269, published Oct. 28, 1952. Class 28.
 Addressograph-Multigraph Corporation, Cleveland, Ohio. Master paper. 570,004, Feb. 3; Serial No. 626,845, published Oct. 28, 1952. Class 37.
 Advance Aluminum Castings Corp., Chicago, Ill. House organ type monthly publication. 570,020, Feb. 3; Serial No. 628,890, published Nov. 4, 1952. Class 38.
 Aireloom Bedding Company: See—
 King Karpen Company.
 Albee Mfg. Co., Chicago, Ill. Men's, women's, and children's textile underwear and underwear. 569,858, Feb. 3; Serial No. 579,649, published Feb. 13, 1951. Class 30.
 Allan, A. & Son, Harrison, N. J. Non-ferrous alloys. 512,189, July 12, 1949. Canceled Dec. 10, 1952. O. G. Feb. 3. Class 14.
 Allied Chemical & Dye Corporation, New York, N. Y. Pitch, tar, resin, asphaltic and tarry material. 569,869, Feb. 3; Serial No. 591,010, published Nov. 11, 1952. Class 1.
 Allied Laboratories, Inc., Kansas City, Mo. Tablet for control of pain of neuragic type. 569,916, Feb. 3; Serial No. 608,908, published Oct. 7, 1952. Class 18.
 American Cyanamid Company, New York, N. Y. Medicinal vitamin preparation. 569,973, Feb. 3; Serial No. 622,244, published Oct. 28, 1952. Class 18.
 American Disinfecting Company, to Adco, Inc., Sedalla, Mo. Liquid wax preparation. 302,385, renewed Apr. 18, 1953. O. G. Feb. 3. Class 4.
 American Fox Breeders Association, Burlington, Wis. Fur garments. 569,977, Feb. 3; Serial No. 623,036, published Sept. 23, 1952. Class 30.
 American Lead Pencil Company, Hoboken, N. J. Lead-pencils. 40,090, re-renewed Apr. 14, 1953. O. G. Feb. 3. Class 17.
 American Smelting and Refining Company, assignee: See—
 Metals Refining Company Inc.
 American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical cable. 353,470-1, Jan. 15, 1952. Canceled Dec. 29, 1952. O. G. Feb. 3. Class 21.
 American Writing Paper Company, to American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 90,952, re-renewed Apr. 8, 1953. O. G. Feb. 3. Class 37.
 American Writing Paper Corporation: See—
 American Writing Paper Corporation.
 American Writing Paper Corporation, New York, N. Y. Men's and boys' belts. Serial No. 613,578, Feb. 3. Class 39.
 Wen-Mac Corporation, Beverly Hills, Calif. Toy airplanes, parts, and accessories. Serial No. 621,929, Feb. 3. Class 22.
 Werner, R. D. Co., Inc., New York, N. Y. Non-ferrous metal moldings and extruded metal in the forms of angles, channels, cap sections, etc. Serial No. 607,835, Feb. 3. Class 12.
 Whirlpool Corporation, St. Joseph, Mich. Dish washing machines. Serial No. 625,838, Feb. 3. Class 23.
 Will & Baumer Candle Co., Inc., Syracuse, N. Y. Wax candles. Serial No. 628,020, Feb. 3. Class 15.
 Willson Products, Inc., Reading, Pa. Ophthalmic mountings and parts thereof including goggles and protection-glass lenses. Serial No. 621,186, Feb. 3. Class 26.
 Winthrop-Stearns Inc., New York, N. Y. Preparation for the relief of eye irritations. Serial No. 626,972, Feb. 3. Class 18.
 Winthrop-Stearns Inc., New York, N. Y. Broad spectrum antibiotic agent. Serial No. 638,027, Feb. 3. Class 18.
 Wolf Outerwear Co. Inc., Boston, Mass. Cloth jackets, leather jackets, and sheepskin coats. Serial No. 632,105, Feb. 3. Class 39.
 Wonder Wash Corporation, Rye, N. Y. Deodorizing water soluble oxidizing agent. Serial No. 634,065, Feb. 3. Class 6.
 Wyeth Incorporated, Philadelphia, Pa. Streptomycin-kallium-alumina gel-pectin combination. Serial No. 608,231, Feb. 3. Class 18.
 Xenotek, Inc., Van Nuys, Calif. Preparation useful in overcoming bulk hunger in reducing. Serial No. 621,191, Feb. 3. Class 18.
 Zuckerman Mandeville Inc., Stockton, Calif. Fresh and canned asparagus. Serial No. 595,435, Feb. 3. Class 46.
 American Writing Paper Corporation: See—
 American Writing Paper Corporation.
 Antonio, Alonso, Hijos, to Conservas Antonio Alonso, S. L., Vigo, Spain. Canned fish. 298,051, renewed Oct. 11, 1952. O. G. Feb. 3. Class 46.
 Apollo Ad Service, Inc., York, Pa. Traffic light indicators. 569,935, Feb. 3; Serial No. 617,780, published Sept. 16, 1952. Class 19.
 Armour and Company, Chicago, Ill. Trypsin for use as a drug. 569,993, Feb. 3; Serial No. 606,234, published Oct. 28, 1952. Class 18.
 Armour and Company, Chicago, Ill. Shampoo. 569,974, Feb. 3; Serial No. 622,575, published Nov. 4, 1952. Class 32.
 Arrandee Doll Co.: See—
 Rothstein, William.
 Artis Metals Co., Incorporated, Boise, Idaho. Chlimes caps. 570,054, Feb. 3; Serial No. 620,993. Class 34.
 Ashland Oil & Refining Company: See—
 Tri-State Refining Company.
 Ashland Paper Mills, Inc., Ashland, N. H. Toilet tissue. 570,009, Feb. 3; Serial No. 627,109, published Oct. 28, 1952. Class 37.
 Associated Release Service, commonly known as A S R Releases, Chicago, Ill. Newspaper column. 569,920, Feb. 3; Serial No. 609,673, published Dec. 18, 1951. Class 38.
 Attorney General of the United States, vested in the: See—
 Optische Anstalt C. P. Goerz Aktiengesellschaft.
 Austin, Nicholas & Co., Incorporated, Brooklyn, N. Y. Rugs. 342,371, Jan. 12, 1937. Republished Feb. 3. Class 49.
 Auto Venetian Company, Atlanta, Ga. Shades for doors and windows of automotive vehicles. 569,872, Feb. 3; Serial No. 562,297, published Sept. 16, 1952. Class 19.
 B. V. M. Corporation, Cleveland, Ohio. Vitamin preparations. 569,853, Feb. 3; Serial No. 574,885, published Oct. 14, 1952. Class 18.
 Baray Pharmaceutical Corporation, Brooklyn, N. Y. Tablets taken internally. 569,898, Feb. 3; Serial No. 612,296, published Oct. 7, 1952. Class 18.
 Barber-Greene Company, Aurora, Ill. Portable and stationary belt conveyors, belt and bucket loaders, etc. 569,994, Feb. 3; Serial No. 625,652, published Sept. 23, 1952. Class 23.
 Basalt Rock Company, Inc., Napa, Calif. Buildings, structures, structural units, etc. 570,037, Feb. 3; Serial No. 629,983, published Nov. 4, 1952. Class 12.
 Basic Refractories, Incorporated, Cleveland, Ohio. Refractory materials. 570,036, Feb. 3; Serial No. 629,648, published Nov. 4, 1952. Class 12.
 Beatrice Creamery Company, to Beatrice Foods Co., Chicago, Ill. Frozen custard and frozen sherbet. 298,780, renewed Nov. 8, 1952. O. G. Feb. 3. Class 46.
 Beatrice Foods Co.: See—
 Beatrice Creamery Company.
 Bell Photos: See—
 Scharf, Charles.
 Bell Virginia Corporation New York, assignor to F. V. Riglo, Brightwater, N. Y. Cigarettes. 569,878, Feb. 3; Serial No. 596,707, published Nov. 4, 1952. Class 17.

LIST OF REGISTRANTS OF TRADE-MARKS

Ben-Roy Company, Seattle, Wash. Delivery truck bodies. 569,963, Feb. 3; Serial No. 620,586, published Sept. 23, 1952. Class 19.
 Bestar Co., The: See—
 Mickelson, Alfred O.
 Bismann, C. A., Manufacturing Company, Springfield, Mo. Furniture. 569,944, Feb. 3; Serial No. 619,153, published Nov. 4, 1952. Class 32.
 Block, H. & L.: See—
 H. & L. Block, Ltd.
 Block H. & L., Ltd., to H. & L. Block, San Francisco, Calif. Coats and leather coats, leather vests, leather breeches, etc. 298,355, renewed Oct. 25, 1952. O. G. Feb. 3. Class 39.
 Blue Bell, Inc., Greensboro, N. C. Men's and boys' overalls, dungarees, outer shirts, etc. 569,975, Feb. 3; Serial No. 622,985, published Sept. 2, 1952. Class 39.
 Blue Bell, Inc., Greensboro, N. C. Men's and boys' overalls, dungarees and outer shirts. 569,976, Feb. 3; Serial No. 622,987, published Sept. 2, 1952. Class 39.
 Blue Bell, Inc., Greensboro, N. C. Men's and boys' overalls, dungarees and outer shirts. 570,002, Feb. 3; Serial No. 622,988, published Sept. 2, 1952. Class 39.
 Bo Products Corporation, Rochester, N. Y. Mortar, pea gravel concrete, patching and topping concrete, etc. 570,055, Feb. 3; Serial No. 621,354. Class 12.
 Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 570,011, Feb. 3; Serial No. 627,249, published Oct. 28, 1952. Class 39.
 Bowdell Company, The, Canton, Ohio. Replaceable cutting tool bits. 569,962, Feb. 3; Serial No. 620,457, published Oct. 28, 1952. Class 23.
 Brake Lining Supply Co., Inc., Boston, Mass. Automotive and industrial brake lining. 569,895, Feb. 3; Serial No. 612,000, published Nov. 11, 1952. Class 35.
 Brampton Brothers, Limited, to Brampton Fittings Limited, Birmingham, England. Hubs, pedals, brakes, etc. 89,813, re-renewed Jan. 14, 1953. O. G. Feb. 3. Class 19.
 Brampton Fittings Limited: See—
 Brampton Brothers, Limited.
 Brazil Nut Association, New York, N. Y. Brazil nuts. 569,909, Feb. 3; Serial No. 607,001, published Sept. 16, 1952. Class 46.
 Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotic. 569,924, Feb. 3; Serial No. 615,813, published Oct. 14, 1952. Class 18.
 Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotics. 569,925, Feb. 3; Serial No. 615,814, published Oct. 14, 1952. Class 18.
 Bristol-Myers Company, New York, N. Y. Women's dresses. 569,985, Feb. 3; Serial No. 624,021, published Nov. 4, 1952. Class 39.
 Bullard Clark Company, The, Danielson, Conn. Loom supplies. 569,863, Feb. 3; Serial No. 584,440, published Oct. 7, 1952. Class 23.
 Byron Jackson Co., Los Angeles, Calif. Well tools. 569,861, Feb. 3; Serial No. 582,787, published Sept. 2, 1952. Class 23.
 California Fruit Growers Exchange, to Sunkist Growers, Inc., Los Angeles, Calif. Non-alcoholic, maltless fruit juices, fruit juice concentrates, etc. 302,251, renewed Apr. 4, 1953. O. G. Feb. 3. Class 45.
 California Maple Syrup Company, Inc., Los Angeles, Calif. Table syrup. 339,510, Oct. 13, 1938. Restricted. O. G. Feb. 3. Class 46.
 California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Ovicides and miticides. 569,984, Feb. 3; Serial No. 623,706, published Oct. 28, 1952. Class 6.
 Capitol Records, Inc., Los Angeles, Calif. Grooved phonograph records. 569,989, Feb. 3; Serial No. 624,630, published Nov. 11, 1952. Class 36.
 Card, C. S., Iron Works Co., The, Denver, Colo. Mine cars. 569,915, Feb. 3; Serial No. 608,400, published Sept. 23, 1952. Class 19.
 Ceratite Corporation, Paramount, Calif. Building tile. 569,969, Feb. 3; Serial No. 621,703, published Nov. 4, 1952. Class 12.
 Challenger Products, Inc., Pittsburgh, Pa. Storm windows and storm doors. 570,022, Feb. 3; Serial No. 628,998, published Nov. 4, 1952. Class 12.
 Chase & Co., Sanford, Fla. Fertilizers. 299,435, renewed Dec. 6, 1952. O. G. Feb. 3. Class 10.
 Chase & Co., Sanford, Fla. Insecticides. 299,770, renewed Dec. 20, 1952. O. G. Feb. 3. Class 6.
 Chinaware & Glass Trading Corp., New York, N. Y. Chinaware, earthenware, pottery, and porcelainware. 570,051, Feb. 3; Serial No. 589,375. Class 30.
 Chrysler Corporation, Highland Park, Mich. Hydraulic shock absorbers. 569,981, Feb. 3; Serial No. 623,339, published Sept. 16, 1952. Class 19.
 Churchman, Henry W., Wichita, Kans. Hollow non-inflatable rubber tires. 569,888, Feb. 3; Serial No. 603,571, published Nov. 11, 1952. Class 35.
 Ciba Limited, Basel, Switzerland. Synthetic resinous adhesives. 570,034, Feb. 3; Serial No. 629,355, published Nov. 11, 1952. Class 5.
 Cleanser Products, Inc., Chicago, Ill. Cleaning pads. 570,045, Feb. 3; Serial No. 631,203, published Nov. 11, 1952. Class 4.
 Clinton Foods Inc., Clinton, Iowa. Laundry starch. 569,874, Feb. 3; Serial No. 593,108, published Nov. 4, 1952. Class 6.
 Columbian Steel Tank Company, Kansas City, Mo. Automotive express vehicle bodies; boats, barges, etc. 569,857, Feb. 3; Serial No. 578,373, published Sept. 23, 1952. Class 19.
 Conservas Antonio A., S. L.: See—
 Antonio Alonso, Hijos.
 Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Coated paper. 569,844, Feb. 3; Serial No. 547,817, published Oct. 14, 1952. Class 37.
 Creese and Cook Company, Danvers, Mass. Leather. 569,995, Feb. 3; Serial No. 626,198, published Nov. 4, 1952. Class 1.
 Crown Zellerbach Corporation, San Francisco, Calif. Dried solids of ammonia base waste sulfate liquor, etc. 563,362, Oct. 14, 1952. Corrected. O. G. Feb. 3. Class 10.
 Crown Zellerbach Corporation, San Francisco, Calif. Dried solids of ammonia base waste sulfate liquor, etc. 566,702, Nov. 11, 1952. Corrected. O. G. Feb. 3. Class 6.
 Curtis Companies Incorporated, Clinton, Iowa. Doors. 570,031, Feb. 3; Serial No. 629,154, published Nov. 4, 1952. Class 12.
 Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. 569,841, Feb. 3; Serial No. 531,317, published Nov. 11, 1952. Class 36.
 Del Busto Razon, Sofia, doing business under the name of Laboratorios Busto, Madrid, Spain. Medicines. 569,882, Feb. 3; Serial No. 598,114, published Oct. 14, 1952. Class 18.
 Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y. 569,970, Feb. 3. Electric motors, electric generators, electric fans, etc. Serial No. 621,872, published Oct. 28, 1952. Class 21; electric bench grinders, Serial No. 621,873, published July 1, 1952. Class 23; exhaust fans, Serial No. 621,871, published May 13, 1952. Class 34. (Consolidated certificate, Classes 21, 23, and 34.)
 Diets Meats, Inc., San Francisco, Calif. Meats. 569,912, Feb. 3; Serial No. 607,802, published Nov. 11, 1952. Class 46.
 Diaston, Henry, & Sons, Incorporated, Philadelphia, Pa. Steel sheets, steel bars, and steel forgings. 90,100, Feb. 4, 1913. Republished Feb. 3. Class 14.
 Diaston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw handles, inserted saw teeth, etc. 90,101, Feb. 4, 1913. Republished Feb. 3. Class 23.
 Dominique France, Inc., New York, N. Y. Men's neckties and scarves. 569,911, Feb. 3; Serial No. 607,743, published Sept. 23, 1952. Class 39.
 Dougherty, C. A., Cordage Mill, Los Dos Caminos, Estado Miranda, Venezuela. Cordage fiber. 570,012, Feb. 3; Serial No. 627,384, published Nov. 4, 1952. Class 1.
 Dubbs, C. P., doing business as Carbon Dubbs Company, Stanton, Calif. Pre-cast concrete structures. 570,044, Feb. 3; Serial No. 631,051, published Nov. 4, 1952. Class 12.
 Dubbs, Carbon, Company: See—
 Dubbs, C. P.
 Durell Products, Seattle, Wash. Windows. 570,042, Feb. 3; Serial No. 630,997, published Nov. 4, 1952. Class 12.
 Eagle-Flag Tanning Corporation, New York, N. Y. Leather in the piece. 570,008, Feb. 3; Serial No. 627,051, published Nov. 4, 1952. Class 1.
 Eagle Pencil Company, New York, N. Y. Lead pencils and crayons. 569,840, Feb. 3; Serial No. 523,194, published Oct. 28, 1952. Class 37.
 Eaton Laboratories, Inc., Norwich, N. Y. Anti-bacterial preparations. 569,968, Feb. 3; Serial No. 621,508, published Oct. 14, 1952. Class 18.
 Educational Directories, Inc., Chicago, Ill. Directory. 569,941, Feb. 3; Serial No. 618,488, published Nov. 11, 1952. Class 38.
 Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Braids, shoe and belt buckles, buttons, etc. 569,966, Feb. 3; Serial No. 620,960, published Oct. 21, 1952. Class 40.
 Emporium, The: See—
 Emporium Capwell Company, The.
 Erie Meter Systems, Incorporated, Erie, Pa. Motor fuel service station equipment. 569,879, Feb. 3; Serial No. 596,721, published Aug. 19, 1952. Class 23.
 Eutectic Welding Alloys Corporation, New York, N. Y. Fluxes and mixtures of fluxes and metals for welding, brazing, etc. 531,075, Sept. 19, 1950. Canceled Nov. 26, 1952. O. G. Feb. 3. Class 8.
 Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Combination metal cleaning and conditioning preparation. 570,039, Feb. 3; Serial No. 630,487, published Nov. 11, 1952. Class 32.
 Faulkner, Edward, doing business under the firm name of Edward Faulkner and Associates, Los Angeles, Calif. Chemical compound used for removing carbon and residue. 569,891, Feb. 3; Serial No. 604,473, published Nov. 4, 1952. Class 52.
 Faulkner, Edward, and Associates: See—
 Faulkner, Edward.
 Fichtel & Sachs Aktiengesellschaft, Schweinfurt-on-the-Main, Germany. Freewheel hubs, freewheel brake hubs, and freewheel hubs with gear transmissions, etc. 569,990, Feb. 3; Serial No. 624,718, published Sept. 16, 1952. Class 19.
 Flindley, F. G., Company, The, Milwaukee, Wis. Pastes and heat-liquefiable cements. 569,928, Feb. 3; Serial No. 618,765, published Nov. 11, 1952. Class 5.

Flossy Dental Corporation, Chicago, Ill. Room deodorant. 569,855, Feb. 3; Serial No. 570,257, published Nov. 11, 1952. Class 8.

Foley & Company, Chicago, Ill. Remedies for diseases of the kidney and bladder, etc. 88,620, re-renewed Oct. 8, 1952. O. G. Feb. 3. Class 18.

Foley & Company, Chicago, Ill. Antibiotic anesthetic throat lozenges. 569,885, Feb. 3; Serial No. 600,826, published Oct. 28, 1952. Class 18.

Foley & Company, Chicago, Ill. Antibiotic anesthetic throat lozenges. 569,917, Feb. 3; Serial No. 609,033, published Oct. 28, 1952. Class 18.

Food Machinery and Chemical Corporation, San Jose, Calif. Insecticides, fungicides, and parasitocides. 569,957-9, Feb. 3; Serial No. 620,338-40, published Nov. 11, 1952. Class 6.

Forest Fiber Products Company, Forest Grove, Oreg. Hard fiberboard. 570,032, Feb. 3; Serial No. 629,195, published Nov. 4, 1952. Class 12.

Foster-McClellan Co., Buffalo, N. Y. Preparations for use in connection with the digestive disorders. 146,741, Sept. 20, 1921. Canceled Dec. 12, 1952. O. G. Feb. 3. Class 18 (Formerly Class 8).

Frut of the Loom, Inc., Providence, R. I. Embroidered edgings. 569,978, Feb. 3; Serial No. 623,136, published Oct. 21, 1952. Class 40.

Gadomski, Zygmunt, Jersey City, N. J. Rubbing alcohol compound. 569,908, Feb. 3; Serial No. 606,781, published Oct. 14, 1952. Class 18.

Garnich, Emil, Egg Harbor, N. J. Cement building blocks. 569,937, Feb. 3; Serial No. 618,393, published Oct. 14, 1952. Class 12.

General Electric Company: See—
General Electric X-Ray Corporation.

General Electric X-Ray Corporation, Chicago, Ill., to General Electric Company, Schenectady, N. Y. Cassettes holding photographic films. 300,673, renewed Jan. 31, 1953. O. G. Feb. 3. Class 26.

Gesteira, Clarisse de Campos: See—
Gesteira, Dr. Jeronymo.

Gesteira, Dr. Jeronymo, Detroit, Mich., to Clarisse de Campos Gesteira, Rio de Janeiro, Brazil. Laxative. 297,344, renewed Sept. 13, 1952. O. G. Feb. 3. Class 18.

Gesteira, Dr. Jeronymo, Detroit, Mich., to Clarisse de Campos Gesteira, Rio de Janeiro, Brazil. Medicine used as a sedative and antispasmodic. 297,409, renewed Sept. 13, 1952. O. G. Feb. 3. Class 18.

Getz, William, Corporation, The, Chicago, Ill. Germicidal preparation. 569,850, Feb. 3; Serial No. 567,193, published Oct. 28, 1952. Class 18.

Gevaert Company of America, Inc., The, New York, N. Y. Photographic projection printers. 360,843, Sept. 27, 1938. Canceled Dec. 22, 1952. O. G. Feb. 3. Class 26.

Goldenberg, Milo S., & Co., New York, N. Y. Bow ties and necktie bands. 569,936, Feb. 3; Serial No. 617,912, published Sept. 23, 1952. Class 39.

Goldstein Millinery Company, Chicago, Ill. Ladies' and misses' hats. 569,900, Feb. 3; Serial No. 614,552, published Sept. 23, 1952. Class 39.

Goldstein Millinery Company, Chicago, Ill. Ladies' hats. 569,901, Feb. 3; Serial No. 615,114, published Sept. 23, 1952. Class 39.

Graft, George B., Company, Cambridge, Mass. Indicator tabs, or file signals. 302,293, renewed Apr. 11, 1953. O. G. Feb. 3. Class 37.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Bird gravel. 302,239, renewed Apr. 4, 1953. O. G. Feb. 3. Class 1.

Great Lakes Carbon Corporation, New York, N. Y. Expanded and vesiculated volcanic glass. 569,887, Feb. 3; Serial No. 602,506, published Oct. 14, 1952. Class 12.

Green & Hopson, Worcester, Mass. Yarn. 570,018, Feb. 3; Serial No. 628,533, published Nov. 4, 1952. Class 43.

Greenwald, Jerry, Inc., New York, N. Y. Juniors' and misses' dresses. 569,955, Feb. 3; Serial No. 620,209, published Nov. 4, 1952. Class 39.

Gries-Pfeiger Tanning Co., The, Waukegan, Ill. Leather. 569,996, Feb. 3; Serial No. 626,245, published Nov. 4, 1952. Class 1.

Groves Thread Company Inc., Gastonia, N. C. Thread. 570,016-17, Feb. 3; Serial Nos. 628,322-3, published Oct. 28, 1952. Class 43.

Harriman, Alfred E., doing business as Harriman Products Co., Los Angeles, Calif. Cleaning preparation. 569,880, Feb. 3; Serial No. 596,844, published Nov. 4, 1952. Class 52.

Harriman Products Co.: See—
Harriman, Alfred E.

Harcis Smith, Inc., New York, N. Y. Men's and boys' outer shirts. 569,860, Feb. 3; Serial No. 582,622, published Sept. 2, 1952. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits, and overcoats and topcoats. 569,899, Feb. 3; Serial No. 614,146, published Sept. 23, 1952. Class 39.

Hecht Company, The, Washington, D. C., also doing business as The Hub, Baltimore, Md., and Hecht Brothers, New York, N. Y. Men's suits, and men's overcoats. 444,332, Nov. 21, 1950. Republished Feb. 3. Class 39.

Hecht Brothers: See—
Hecht Company, The.

Hedwin Corporation, Baltimore, Md. Plastic place mats. 547,676, Sept. 4, 1951. Canceled Dec. 23, 1952. O. G. Feb. 3. Class 50.

Heisele, John, St. Louis, Mo. Preparation for the treatment of piles. 569,988, Feb. 3; Serial No. 624,085, published Oct. 28, 1952. Class 18.

Helme, George W., Company, New York, N. Y. Snuff. 569,848, Feb. 3; Serial No. 602,044, published Nov. 4, 1952. Class 17.

Helsingborgs Gummitfabriks Aktiebolag, Helsingborg, Sweden. Rubber gloves, knee and leg protectors, bathing caps, etc. 569,954, Feb. 3; Serial No. 619,754, published Nov. 4, 1952. Class 39.

Hildreth, H. L., Co., to H. L. Hildreth Company, Boston, Mass. Confectionery. 298,368, renewed Oct. 25, 1952. O. G. Feb. 3. Class 46.

Hildreth, H. L., Co., to H. L. Hildreth Company, Boston, Mass. Confectionery. 298,371, renewed Oct. 25, 1952. O. G. Feb. 3. Class 46.

Hildreth, H. L. Company: See—
Hildreth, H. L., Co.

Hillman, David, doing business as Hillman Pharmaceutical Co., Chicago, Ill. Medication. 569,910, Feb. 3; Serial No. 607,021, published Oct. 7, 1952. Class 18.

Hillman Pharmaceutical Co.: See—
Hillman, David.

Holman Brothers Limited, Camborne, England. Rock drills. 570,010, Feb. 3; Serial No. 627,131, published Oct. 28, 1952. Class 23.

Hooker Furniture Corporation, Martinsville, Va. Furniture. 569,951, Feb. 3; Serial No. 619,622, published Nov. 4, 1952. Class 32.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 302,417, renewed Apr. 18, 1953. O. G. Feb. 3. Class 51.

Hub, The: See—
Hecht Company, The.

Hudnut, Richard, New York, N. Y. Soap. 89,112, renewed Nov. 12, 1952. O. G. Feb. 3. Class 52.

Hudnut, Richard, New York, N. Y. Perfumes, sachet-powders, face and toilet powders, etc. 89,367, renewed Dec. 10, 1952. O. G. Feb. 3. Class 51.

Hudson Foam Latex Fabricators, Inc., Yonkers, N. Y. Molded shredded latex foam rubber sheets, blocks, or pieces. 569,997, Feb. 3; Serial No. 626,379, published Nov. 4, 1952. Class 1.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand operated compression sprayers. 570,005, Feb. 3; Serial No. 626,887, published Oct. 28, 1952. Class 23.

Hyman, S. E., Company, The, Fremont, Ohio. Covers for automobile cushions, seats and seat backs. 569,959, Feb. 3; Serial No. 619,574, published Sept. 16, 1952. Class 19.

Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Antiseptics, bactericides, bacteriostats, etc. 302,463, renewed Apr. 18, 1953. O. G. Feb. 3. Class 51.

Ideal Publishing Corporation, New York, N. Y. Periodical. 570,019, Feb. 3; Serial No. 628,858, published Nov. 4, 1952. Class 38.

Independent Window Shade Manufacturing Co., Inc., New York, N. Y. Roll-type window shades and Venetian blinds. 569,903, Feb. 3; Serial No. 615,223, published Nov. 4, 1952. Class 32.

International Milling Company, Minneapolis, Minn. Wheat flour. 570,046, Feb. 3; Serial No. 633,847, published Nov. 11, 1952. Class 46.

Iron Fireman Manufacturing Company, assignee: See—
Petroleum Heat and Power Company.

Italian Food Products Company, Inc., to West Coast Packing Corporation, Long Beach, Calif. Canned fish. 302,108, renewed Mar. 28, 1953. O. G. Feb. 3. Class 46.

Jamison Classels, Inc., New York, N. Y. Ladies' and misses' dresses, slacks, outer shorts, etc. 570,003, Feb. 3; Serial No. 622,998, published Nov. 4, 1952. Class 39.

Jerusalem Pencil Limited, Benel-Brag, near Tel Aviv, Israel. Pencils. 569,929, Feb. 3; Serial No. 617,033, published Oct. 28, 1952. Class 37.

Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Desizing agent. 296,352, renewed Aug. 2, 1952. O. G. Feb. 3. Class 8.

Kanner, Abe, Los Angeles, Calif. Carbonated, nonalcoholic, nonferrous, maltless beverages. 301,807, renewed Feb. 28, 1953. O. G. Feb. 3. Class 45.

Karna, Saul J., doing business under the name of Samco Products Co., New York, N. Y. Phonographs, phonograph tone arms, phonograph needles, etc. 569,914, Feb. 3; Serial No. 608,360, published Nov. 11, 1952. Class 36.

Kelling Nut Co., The, Chicago, Ill. Display cases. 569,991-2, Feb. 3; Serial No. 625,276-7, published Nov. 4, 1952. Class 32.

Kennedy, David E., Inc., Brooklyn, N. Y., now by change of name Kentile, Inc. Floor and wall tile. 569,867, Feb. 3; Serial No. 589,260, published Oct. 14, 1952. Class 12.

Kentile, Inc.: See—
Kennedy, David E., Inc.

Kilde, Walter, & Company, Inc., Belleville, N. J. Fire detecting apparatus. 569,931, Feb. 3; Serial No. 617,298, published Sept. 2, 1952. Class 23.

King Karpen Company, Alhambra, Calif., now by change of name Alreloom Bedding Company. Mattresses, box springs, and bed bolsters. 570,018, Feb. 3; Serial No. 628,022, published July 8, 1952. Class 32.

Kip, Aldrich & Co., Inc., Mineola, N. Y. Buffered acidic solution, and for a liquid douche. 569,946, Feb. 3; Serial No. 619,204, published Oct. 14, 1952. Class 18.

Koch, Max, and Son, Inc., New York, N. Y. Fur jackets, stoles, and boleros. 569,988, Feb. 3; Serial No. 624,340, published Sept. 2, 1952. Class 39.

Koestling, Grete, assignor to Your Birth-Sign, Inc., New York, N. Y. Women's and misses' bathing suits, slacks, blouses, etc. 569,902, Feb. 3; Serial No. 615,122, published Sept. 2, 1952. Class 39.

LST Manufacturers, Stamford, Conn. Antiseptic germicides. 405,817, Feb. 22, 1944. Canceled Dec. 12, 1952. O. G. Feb. 3. Class 6.

Laboratorios Busto: See—
Del Busto Razon, Sofia.

Le Tourneau, R. G., Inc., Peoria, Ill. Self-propelled portable concrete mixers. 440,341, Aug. 24, 1948. Republished Feb. 3. Class 23.

Lindeteves Inc., New York, N. Y. King bolt sets, tie rods, drag links, etc. 569,932, Feb. 3; Serial No. 617,504, published September 16, 1952. Class 19.

Lindeteves Inc., New York, N. Y. King bolt sets, tie rods, drag links, etc. 569,933, Feb. 3; Serial No. 617,506, published Sept. 16, 1952. Class 19.

Lonn Sales Company, Tampa, Fla. Artificial fish lures. 570,048, Feb. 3; Serial No. 577,541. Class 22.

Looschen, John W., by M. J. Looschen, Paterson, N. J. Boat holts. 297,009, Aug. 30, 1932. Republished Feb. 3. Class 23.

Looschen, Mary J.: See—
Looschen, John W.

Massera, Al: See—
Massera, Wilma.

Massera, Wilma, doing business as A. Massera, Watsonville, Calif. Fresh vegetables. 432,667, Sept. 9, 1947. Amended. O. G. Feb. 3. Class 46.

Maybert Corporation, New York, N. Y. Shampoo. 569,918, Feb. 3; Serial No. 609,094, published Nov. 4, 1952. Class 52.

McLeod & Henry Company, Inc., Troy, N. Y. Fire clay bricks. 570,033, Feb. 3; Serial No. 629,307, published Nov. 4, 1952. Class 12.

McMullen-Leavens Company, Incorporated, Glens Falls and New York, N. Y., assignor to Troy Shirts-makers Guild, Inc., New York, N. Y. Men's outer shirts. 569,843, Feb. 3; Serial No. 545,636, published Sept. 21, 1949. Class 39.

McNeill Laboratories, Incorporated: See—
McNeill, Robert.

McNeill, Robert, to McNeill Laboratories, Incorporated, Philadelphia, Pa. Cardiac stimulant and diuretic. 301,664, renewed Mar. 7, 1953. O. G. Feb. 3. Class 18.

Mercantile Stores Company, Inc., Wilmington, Del. Bicycles, baby carriages, strollers, etc. 569,862, Feb. 3; Serial No. 583,765, published Sept. 23, 1952. Class 19.

Mergenthaler Linotype Co., New York, to Mergenthaler Linotype Company, Brooklyn, N. Y. Linotype-supplies, comprising linotype-matrices, linotype space bands, etc. 90,360, re-renewed Feb. 18, 1953. O. G. Feb. 3. Class 23.

Mergenthaler Linotype Company: See—
Mergenthaler Linotype Co.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. 444,750, Feb. 3; Serial No. 525,841, published Oct. 21, 1952. Class 39.

Metals Refining Company Inc., Hammond, Ind., assignor to American Smelting and Refining Company, New York, N. Y. Type metal. 569,961, Feb. 3; Serial No. 620,428, published Oct. 28, 1952. Class 14.

Mickelson, Alfred O., doing business under the name and style of The Beator Co., Houston, Tex. Saturated asbestos pipe line felt. 569,942-3, Feb. 3; Serial No. 618,647-8, published Nov. 4, 1952. Class 12.

Mingottile, Inc., Birmingham, Ala. Concrete blocks. 570,038, Feb. 3; Serial No. 630,142, published Nov. 4, 1952. Class 12.

Modern Controls Corporation, Centerline, Mich. Gas heating burner. 570,050, Feb. 3; Serial No. 688,226. Class 34.

Monarch Door, The, Folsom, Pa. Garage doors. 570,041, Feb. 3; Serial No. 630,850, published Nov. 4, 1952. Class 12.

Moore, Benjamin, & Co., New York, N. Y. Putty. 570,043, Feb. 3; Serial No. 631,014, published Nov. 4, 1952. Class 12.

"Motom" Société à Responsabilité Limitée Zurich, Zurich, Switzerland. Motor cars, motor cycles, tricycles, etc. 569,965, Feb. 3; Serial No. 620,897, published Sept. 16, 1952. Class 19.

N. V. Lemet Industrie, Hilversum, Netherlands. Bicycle and motorcycle parts. 569,956, Feb. 3; Serial No. 620,224, published Sept. 16, 1952. Class 19.

Nagy Bros. Motor Company, Bethlehem, Pa. Gasoline, motor lubricating oils, fuel oils, etc. 298,412, renewed Dec. 8, 1952. O. G. Feb. 3. Class 15.

Neill, James, & Co. (Sheffield) Limited, Sheffield, England. Tool bits, angle plates, V-blocks, etc. 569,967, Feb. 3; Serial No. 621,084, published Oct. 28, 1952. Class 23.

New York Air Brake Company, The, Watertown and New York, N. Y. Air brakes, hydraulic brakes and electro-pneumatic brakes. 569,906, Feb. 3; Serial No. 615,396, published Sept. 16, 1952. Class 19.

New York Air Brake Company, The, Watertown and New York, N. Y. Electrically actuated valves and parts thereof and pressure-actuated electric switches. 569,907, Feb. 3; Serial No. 615,397, published Oct. 21, 1952. Class 21.

Nicholson, H. R., Company, The: See—
Ver-Vac Products Co., Inc., The.

Officina Elettromeccanica Pugiloli & C., Ferrara, Italy. Motorcycle and lamp brackets. 569,865, Feb. 3; Serial No. 586,103, published Sept. 16, 1952. Class 19.

Omnibook Inc., New York, N. Y. Puzzle feature. 569,998, Feb. 3; Serial No. 626,468, published Nov. 4, 1952. Class 38.

Optische Anstalt C. P. Goers Aktiengesellschaft, Friedland, near Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C. Photographic hand-cameras and stand-cameras; enlarging apparatus, projecting apparatus, etc. 88,938, re-renewed Oct. 29, 1952. O. G. Feb. 3. Class 26.

Overseas Finance & Trading Company, Inc., San Francisco, Calif. Binoculars. 569,947, Feb. 3; Serial No. 619,403, published Oct. 28, 1952. Class 26.

Overseas Finance & Trading Company, Inc., San Francisco, Calif. Photographic lenses. 569,948, Feb. 3; Serial No. 619,404, published Oct. 28, 1952. Class 26.

Overseas Finance & Trading Company, Inc., San Francisco, Calif. Cameras. 569,949, Feb. 3; Serial No. 619,405, published Oct. 28, 1952. Class 26.

Packard Motor Car Company, Detroit, Mich. Automotive vehicles. 569,926, Feb. 3; Serial No. 616,299, published Sept. 23, 1952. Class 19.

Patterson, C. J., Company, Kansas City, Mo. Pan cleaner. 570,001, Feb. 3; Serial No. 626,744, published Nov. 4, 1952. Class 52.

Paul, J. C., & Company, Chicago, Ill. Dance floor wax. 569,870, Feb. 3; Serial No. 591,251, published Nov. 11, 1952. Class 4.

Perma Products Company, The, Cleveland, Ohio. Panel structures. 570,040, Feb. 3; Serial No. 630,789, published Nov. 4, 1952. Class 12.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. 569,886, Feb. 3; Serial No. 601,279, published June 6, 1951. Class 39.

Petroleum Heat and Power Company, Stamford, Conn., assignor, by mesne assignments, to Iron Fireman Manufacturing Company, Cleveland, Ohio. Liquid fuel pumps and water circulating pumps. 569,964, Feb. 3; Serial No. 620,857, published Oct. 28, 1952. Class 23.

Phillips-Jones Corporation, New York, N. Y. Dress shirts, negligee shirts, work shirts, etc. 569,849, Feb. 3; Serial No. 562,574, published Sept. 23, 1952. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress, sport, and work clothing and parts thereof. 569,875, Feb. 3; Serial No. 593,683, published Sept. 23, 1952. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Medical preparation. 569,053, Feb. 3; Serial No. 619,711, published Oct. 21, 1952. Class 18.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Iron and stomachic tonic and dietary supplement preparation. 569,922, Feb. 3; Serial No. 611,972, published Oct. 7, 1952. Class 16.

Plus-Ties Company, Santa Ana, Calif. Plant and bunching ties. 569,982, Feb. 3; Serial No. 623,519, published Oct. 28, 1952. Class 7.

Porter Company, The, Bakersfield, Calif. Toy surveying instruments. 570,053, Feb. 3; Serial No. 619,769, Class 22.

Powell, La Von I., Denver, Colo. Children's riding and walking vehicle. 569,876, Feb. 3; Serial No. 593,512, published Nov. 11, 1952. Class 22.

Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser, and detergent. 570,023-30, Feb. 3; Serial Nos. 629,044-51, published Nov. 11, 1952. Class 52.

Professional Golfers' Association of America, The, Chicago, Ill. Periodical. 569,979, Feb. 3; Serial No. 623,155, published Nov. 4, 1952. Class 38.

Raleigh Cycle Co. Limited, The, Nottingham, England. Bicycles, motor-bicycles, tricycles, etc. 569,852, Feb. 3; Serial No. 571,602, published Sept. 23, 1952. Class 19.

Raleigh Industries Limited, Nottingham, England. Bicycles, motor-bicycles, tricycles, etc. 569,858, Feb. 3; Serial No. 589,530, published Sept. 23, 1952. Class 19.

Reeves, Horace A., Ardmore, Pa. Glazed facing material. 569,903, Feb. 3; Serial No. 615,341, published Nov. 4, 1952. Class 12.

Reinhardt, Paul L., Burlington, Wis. Fur garments. 569,960, Feb. 3; Serial No. 620,363, published Sept. 2, 1952. Class 39.

Revere Supply Co., Inc., New York, N. Y. Boat fenders. 570,056, Feb. 3; Serial No. 624,424. Class 19.

Rheumatol Company, The: See—
Wirth, Barbara.

Richfield Oil Corporation of New York, New York, N. Y. Petroleum products. 307,221, Oct. 17, 1933. Republished Feb. 3. Class 15.

Ridgway, Edward F., by John Wilson (Sheffield) Limited, Sheffield, England. Butchers' knives and butchers' steels, shoe-knives. 87,657, July 30, 1912. Republished Feb. 3. Class 23.

Riggis, Frank V., assignee: See—
Bell Virginia Corporation.

Roll-Rite Corporation, Oakland, Calif. Warehouse trucks, hand trucks, and wheels and casters therefor. 569,851, Feb. 3; Serial No. 569,642, published Sept. 16, 1952. Class 19.

LIST OF REGISTRANTS OF TRADE-MARKS

Rosa, Will, Inc., Milwaukee, Wis. Medicated hospital lotion. 569,913, Feb. 3; Serial No. 608,084, published Oct. 7, 1952. Class 18.

Rothstein, William, doing business under the name of Arrandee Doll Co., New York, N. Y. Dolls. 569,921, Feb. 3; Serial No. 611,917, published Nov. 11, 1952. Class 22.

Rubinstein, Charles L., doing business as Ruby Products Co., Milwaukee, Wis. Household paper supplies. 569,889, Feb. 3; Serial No. 604,106, published Oct. 28, 1952. Class 37.

Ruby Products Co.: See—
Rubinstein, Charles L.

Rudge-Whitworth Limited, Nottingham, England. Bicycles, motor-bicycles, tricycles, and their parts. 569,892, Feb. 3; Serial No. 608,238, published Sept. 23, 1952. Class 19.

Ryerson, Joseph T., & Son, by Joseph T. Ryerson & Son, Inc., Chicago, Ill. Printed books. 95,265, Feb. 3, 1914. Republished Feb. 3. Class 38.

Ryerson, Joseph T., & Son, Inc.: See—
Ryerson, Joseph T., & Son.

Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Machinery bearings and bearing collars. 302,010, Mar. 21, 1933. Republished Feb. 3. Class 23.

Sage, Peggy, Inc., New York, N. Y., to Peggy Sage, Inc., Stamford, Conn. Nail powder polish, nail polish in paste form, liquid nail polish, etc. 302,124, renewed Mar. 28, 1953. O. G. Feb. 3, Class 51.

Sainco Products Co.: See—
Karna, Saul J.

Sargent & Company, New Haven, Conn. Door locks and latches. 570,015, Feb. 3; Serial No. 628,222, published Nov. 11, 1952. Class 25.

Scala, John L., doing business as Vall Pharmacal Company, Union, assignor to Vall Pharmacal Co., Inc., Union Township, N. J. Ointment. 569,883, Feb. 3; Serial No. 600,148, published Oct. 14, 1952. Class 18.

Schafer Company, Inc., The, Decatur, Ind. Gloves. 570,021, Feb. 3; Serial No. 628,901, published Nov. 4, 1952. Class 39.

Scharf, Charles, doing business as Bell Photos, Englewood, N. J., and New York, N. Y. Photo prints. 570,014, Feb. 3; Serial No. 628,171, published Nov. 4, 1952. Class 38.

Schindel-McDaniels Co., Inc., New York, N. Y. Infants' gowns, wrappers, binders, etc. 569,179, Apr. 26, 1949. Canceled Dec. 29, 1952. O. G. Feb. 3, Class 30.

Schoenfeld Neckwear Company, Inc., Seattle, Wash. Neckties and cravats. 569,881, Feb. 3; Serial No. 597,979, published Sept. 23, 1952. Class 39.

Seeman, J. E., Company, Inc., Los Angeles, Calif. Smokers' pipes. 569,856, Feb. 3; Serial No. 576,775, published Nov. 4, 1952. Class 8.

Shapiro, Clarence M., Chicago, Ill. Weather strip structure for automobile door windows. 569,904, Feb. 3; Serial No. 615,291, published Sept. 23, 1952. Class 19.

Sherwin-Williams Company, The, Cleveland, Ohio. Oil-paint. 89,155, re-renewed Nov. 12, 1952. O. G. Feb. 3, Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticide and miticide. 531,010, Sept. 19, 1950. Canceled Dec. 22, 1952. O. G. Feb. 3, Class 8.

Shuron Optical Company, Inc., Geneva, N. Y. 569,854, Feb. 3. Abrasives and polishing materials. Serial No. 618,989, published July 29, 1952. Class 4; lens grinding, surfacing, polishing and edging machines, etc. Serial No. 576,139, published May 6, 1952. Class 23; spectacles, eyeglasses and parts thereof; cases; etc. Serial No. 576,140, published Aug. 19, 1952. Class 26. (Consolidated certificate, Classes 4, 23, and 26.)

Simonds Saw and Steel Company, Fitchburg, Mass. Machine knives and shears, and saw bits. 570,007, Feb. 3; Serial No. 627,014, published Oct. 28, 1952. Class 23.

Singer Motors Limited, Coventry, England. Motor cars, chassis, and structural parts thereof. 569,930, Feb. 3; Serial No. 617,216, published Sept. 23, 1952. Class 19.

Sitroux Incorporated, New York, N. Y. Facial tissues. 530,584, Sept. 12, 1950. Canceled Dec. 5, 1952. O. G. Feb. 3, Class 37.

Skylark Automotive Corporation, The, Culver City, Calif. Rear vision mirrors. 569,952, Feb. 3; Serial No. 619,684, published Sept. 23, 1952. Class 19.

Société des Forges & Chantiers de la Méditerranée, Paris, France. Funnel and chimneys for ships and railway locomotives. 569,946, Feb. 3; Serial No. 619,369, published Sept. 23, 1952. Class 19.

Société Jacques Frederic Fath et Compagnie, Paris, France. Perfumes, rice powder and lipsticks. 569,843, Feb. 3; Serial No. 554,728, published Oct. 14, 1952. Class 51.

Solar-Tan Company, Inc., Yonkers, N. Y. Inflatable devices for bathing or swimming suits. 569,890, Feb. 3; Serial No. 604,278, published Nov. 11, 1952. Class 22.

Southern Athletic Supply Company, Incorporated, Richmond, Va. Baseball clothing, football clothing, basketball clothing, etc. 569,897, Feb. 3; Serial No. 612,869, published Nov. 4, 1952. Class 39.

Stearns, Frederick, & Company, Detroit, Mich. Sedative. 353,900, Apr. 3, 1938. Canceled Nov. 26, 1952. O. G. Feb. 3, Class 18. (Formerly Class 6.)

Stetson, John B., Company, Philadelphia, Pa. Men's hats, caps, dress shirts, etc. 569,923, Feb. 3; Serial No. 615,802, published Sept. 23, 1952. Class 39.

Stork Shop, Inc., The, Memphis, Tenn. Lingerie. 569,873, Feb. 3; Serial No. 592,582, published Oct. 28, 1952. Class 39.

Straus, Royer & Strass, Inc., Baltimore, Md. Misses', women's, and children's dresses, playsuits, separate skirts, etc. 569,898, Feb. 3; Serial No. 614,067, published Nov. 4, 1952. Class 39.

Sulfur-8 Chemical Co., Inc., Brooklyn, N. Y. Hair shampoo. 569,971, Feb. 3; Serial No. 621,918, published Nov. 4, 1952. Class 52.

Sunkist Growers, Inc.: See—
California Fruit Growers Exchange.

Swift & Company: See—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Ice cream. 299,483, renewed Dec. 6, 1952. O. G. Feb. 3, Class 46.

Templeton, Kenly & Co.: See—
Templeton Kenly & Co., Ltd.

Templeton Kenly & Co., Ltd., to Templeton, Kenly & Co., Chicago, Ill. Lifting jacks. 40,032, re-renewed Mar. 31, 1953. O. G. Feb. 3, Class 23.

Texas Harvest Hat Company, Laredo, Tex. Men's, ladies' and children's hats. 569,987, Feb. 3; Serial No. 624,215, published Sept. 2, 1952. Class 39.

Texas Organic Mineral Soil Co., San Juan, Tex. Soil amendment, a soil conditioner and compost. 570,057, Feb. 3; Serial No. 629,332, Class 10.

Thomas Flexible Coupling Company, Warren, Pa. Flexible machinery couplings. 570,006, Feb. 3; Serial No. 626,969, published Oct. 28, 1952. Class 23.

Thompson, Gilbert H., Manitowish, Wis. Cigars. 193,957, Jan. 13, 1925. Canceled Dec. 5, 1952. O. G. Feb. 3, Class 17.

Transparent Products Co., Inc., New York, N. Y. Pressure sensitive adhesive tape. 569,846, Feb. 3; Serial No. 557,166, published Nov. 11, 1952. Class 5.

Transparent Products Co., Inc., New York, N. Y. Printed name tags. 569,871, Feb. 3; Serial No. 591,324, published Nov. 4, 1952. Class 38.

Tri-State Refining Company, to Ashland Oil & Refining Company, Ashland, Ky. Lubricating oils. 294,930, renewed June 14, 1952. O. G. Feb. 3, Class 15.

Triumph Engineering Company Limited, Coventry and Allesley, Coventry, England. Motorcycles and structural parts thereof. 569,864, Feb. 3; Serial No. 584,559, published Sept. 16, 1952. Class 19.

Troy Shirts-makers Guild, Inc., assignee: See—
McMullen-Leavens Company, Incorporated.

Turicaphon A. G., Uster, Canton of Zurich, Switzerland. Grooved phonograph records. 569,877, Feb. 3; Serial No. 594,675, published Nov. 11, 1952. Class 36.

Ulmer Pharmacal Company: See—
Physicians and Hospitals Supply Company, Inc.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 569,894, Feb. 3; Serial No. 606,500, published Nov. 11, 1952. Class 38.

Vall Pharmacal Co., Inc., assignee: See—
Scala, John L.

Valeport Hosiery Corporation, New York, N. Y. Ladies' and misses' hosiery. 569,842, Feb. 3; Serial No. 538,679, published Aug. 5, 1952. Class 39.

Vance, Melvin L., assignee: See—
Wirth, Barbara.

Vanity Fair Mills, Inc., Reading, Pa. Women's apparel. 569,969, Feb. 3; Serial No. 626,649, published Oct. 28, 1952. Class 39.

Vermiculite Association, Inc., The, New York and Rego Park, N. Y. Construction material. 570,047, Feb. 3; Serial No. 608,974, published Nov. 4, 1952. Class 12.

Ver-Vac Products Co., Inc., The, to The H. R. Nicholson Company, Baltimore, Md. Nonalcoholic maltless beverages and syrups. 298,111, renewed Oct. 11, 1952. O. G. Feb. 3, Class 45.

Vincennes Packing Corporation, Vincennes, Ind. Canned or bottled tomato juice, tomato juice cocktail, tomato catsup, etc. 301,657, renewed Mar. 7, 1953. O. G. Feb. 3, Class 46.

Virginia-Carolina Chemical Corporation, Richmond, Va. Synthetic detergent. 569,938-9, Feb. 3; Serial Nos. 618,419-20, published Nov. 11, 1952. Class 52.

Virginia-Carolina Chemical Corporation, Richmond, Va. Synthetic detergent. 569,940, Feb. 3; Serial No. 618,423, published Nov. 11, 1952. Class 52.

Vitacreme Products Company, Oakmont, Pa. Skin ointment. 569,927, Feb. 3; Serial No. 616,308, published Oct. 14, 1952. Class 18.

Wall-Lundberg & Company, Portland, Ore. Wood base cementitious material. 569,884, Feb. 3; Serial No. 600,160, published Oct. 14, 1952. Class 12.

Warner, Roscoe W., assignee: See—
Wirth, Barbara.

Watkins Surgical Corp., New York, N. Y. Trusses. 569,980, Feb. 3; Serial No. 623,170, published Nov. 4, 1952. Class 44.

West Coast Packing Corporation: See—
Italian Food Products Company, Inc.

White, Miller R., doing business as White Studios, Dallas, Tex. Wooden salad bowls. 570,052, Feb. 3; Serial No. 612,715, Class 2.

LIST OF REGISTRANTS OF TRADE-MARKS

Williams, Clifford G., doing business as Williams Products Company, Gravois Mills, Mo. Artificial fish bait. 570,046, Feb. 3; Serial No. 583,969, Class 22.

White Studios: See—
White, Miller R.

Williams Products Company: See—
Williams, Clifford G.

Willow Shirt and Underwear Corporation, The, by The Willow Shirt Corporation, New Haven, Conn. Men's outer shirts. 372,018, Oct. 17, 1939. Republished Feb. 3, Class 39.

Willow Shirt Corporation, The: See—
Willow Shirt and Underwear Corporation, The.

Wilson, John, (Sheffield) Limited: See—
Ridgway, Edward F.

Wirth, Barbara, doing business as The Rheumatol Company, assignor to R. W. Warner, Davenport, Iowa, and M. L. Vance, Mount Vernon, Ind. Pharmaceutical preparation. 569,934, Feb. 3; Serial No. 617,521, published Oct. 14, 1952. Class 18.

Wollard, Joseph C., Miami, Fla. Concrete fence posts. 570,035, Feb. 3; Serial No. 629,406, published Nov. 4, 1952. Class 12.

Wood, Gar, Industries, Inc., Wayne, Mich. Bodies for garbage and refuse hauling trucks. 569,859, Feb. 3; Serial No. 581,661, published Sept. 16, 1952. Class 19.

Woodruff Coal Company, Kalamazoo, Mich. Coal. 569,993, Feb. 3; Serial No. 625,649, published Nov. 4, 1952. Class 1.

Wulf Brothers, Inc., New York, N. Y. Boys', young men's, and men's suits, overcoats, and topcoats. 335,437, June 2, 1936. Republished Feb. 3, Class 39.

Wulf Brothers, Inc., New York, N. Y. Boys', young men's, and men's suits, overcoats, and topcoats. 351,952, Nov. 16, 1937. Republished Feb. 3, Class 39.

Wulf Brothers, Inc., New York, N. Y. Boys', young men's, and men's suits, overcoats, and topcoats. 361,473, Oct. 18, 1938. Republished Feb. 3, Class 39.

Wulf Brothers, Inc., New York, N. Y. Men's and young men's coats and suits. 417,322, Oct. 23, 1945. Republished Feb. 3, Class 39.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Laundry washing compound and detergent builder. 569,866, Feb. 3; Serial No. 587,411, published Nov. 4, 1952. Class 32.

Wyeth Incorporated, Philadelphia, Pa. Low sodium, low fat food, for use as a dietary supplement. 569,983, Feb. 3; Serial No. 623,523, published Oct. 28, 1952. Class 18.

Xylos Rubber Company, Akron, Ohio. Reclaimed rubber. 298,034, renewed Oct. 11, 1952. O. G. Feb. 3, Class 1.

Your Birth-Sign, Inc., assignee: See—
Koesling, Grete.

Zerbat Pharmacal Company, Inc., St. Joseph, Mo. Preparation for the treatment of colds. 569,972, Feb. 3; Serial No. 621,930, published Oct. 28, 1952. Class 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bird gravel. The Great Atlantic and Pacific Tea Company. 302,239, renewed Apr. 4, 1953. O. G. Feb. 3.

Coal. Woodruff Coal Company. 569,993, Feb. 3; Serial No. 625,649, published Nov. 4, 1952.

Cordage fiber. C. A. Dougherty. 570,012, Feb. 3; Serial No. 627,384, published Nov. 4, 1952.

Leather. Creese and Cook Company. 569,995, Feb. 3; Serial No. 626,198, published Nov. 4, 1952.

Leather. The Griles-Pfeiffer Tanning Co. 569,996, Feb. 3; Serial No. 626,245, published Nov. 4, 1952.

Leather in the piece. Eagle-Flag Tanning Corporation. 570,008, Feb. 3; Serial No. 627,051, published Nov. 4, 1952.

Molded shredded latex foam rubber sheets, blocks, or pieces. Hudson Foam Latex Fabricators, Inc. 569,997, Feb. 3; Serial No. 626,379, published Nov. 4, 1952.

Pitch, tar, resin, asphaltic and tarry material. Allied Chemical & Dye Corporation. 569,869, Feb. 3; Serial No. 591,010, published Nov. 11, 1952.

Rubber, Reclaimed. Xylos Rubber Company. 298,034, renewed Oct. 11, 1952. O. G. Feb. 3.

CLASS 2

Wooden salad bowls. M. R. White. 570,052, Feb. 3; Serial No. 612,715.

CLASS 4

Abrasives and polishing materials. Shuron Optical Company, Inc. 569,854, Feb. 3; Serial No. 618,989, published July 29, 1952. (Consolidated certificate, Classes 4, 23, and 26.)

Cleaning pads. Cleanser Products, Inc. 570,045, Feb. 3; Serial No. 631,203, published Nov. 11, 1952.

Wax, Dance floor. J. C. Paul & Company. 569,870, Feb. 3; Serial No. 591,251, published Nov. 11, 1952.

Wax preparation, liquid. American Disinfecting Company. 302,385, renewed Apr. 18, 1953. O. G. Feb. 3.

CLASS 5

Adhesive tape, Pressure sensitive. Transparent Products Co., Inc. 569,846, Feb. 3; Serial No. 557,166, published Nov. 11, 1952.

Adhesives, Synthetic resinous. Ciba Limited. 570,034, Feb. 3; Serial No. 629,355, published Nov. 11, 1952.

Pastes and heat-liquefiable cements. The F. C. Findley Company. 569,928, Feb. 3; Serial No. 616,765, published Nov. 11, 1952.

CLASS 6

Desizing agent. Kalle & Co. Aktiengesellschaft. 296,352, renewed Aug. 2, 1952. O. G. Feb. 3.

Dried solids of ammonia base waste sulfite liquor, etc. Crown Zellerbach Corporation. 566,702, Nov. 11, 1952. Corrected. O. G. Feb. 3.

Fluxes and mixtures of fluxes and metals for welding, brazing, etc. Eutectic Welding Alloys Corporation. 531,075, Sept. 19, 1950. Canceled Nov. 26, 1952. O. G. Feb. 3.

Germicides, Antiseptic. LST Manufacturers. 405,817, Feb. 22, 1944. Canceled Dec. 12, 1952. O. G. Feb. 3.

Insecticide and miticide. The Sherwin-Williams Company. 531,010, Sept. 19, 1950. Canceled Dec. 22, 1952. O. G. Feb. 3.

Insecticides. Chase & Co. 299,770, renewed Dec. 20, 1952. O. G. Feb. 3.

Insecticides, fungicides and parasitocides. Food Machinery and Chemical Corporation. 569,957-9, Feb. 3; Serial Nos. 620,338-40, published Nov. 11, 1952.

Ovicides and miticides. California Spray-Chemical Corporation. 569,984, Feb. 3; Serial No. 623,706, published Oct. 28, 1952.

Room deodorants. Floasay Dental Corporation. 569,855, Feb. 3; Serial No. 576,257, published Nov. 11, 1952.

Starch, Laundry. Clinton Foods Inc. 569,874, Feb. 3; Serial No. 593,108, published Nov. 4, 1952.

CLASS 7

Plant and bunching ties. Plas-Ties Company. 569,982, Feb. 3; Serial No. 623,519, published Oct. 28, 1952.

CLASS 8

Pipes, Smokers'. J. E. Seeman Company, Inc. 569,856, Feb. 3; Serial No. 576,775, published Nov. 4, 1952.

CLASS 10

Dried solids of ammonia base waste sulfite liquor, etc. Crown Zellerbach Corporation. 565,362, Oct. 14, 1952. Corrected. O. G. Feb. 3.

Fertilizers. Chase & Co. 299,435, renewed Dec. 6, 1952. O. G. Feb. 3.

Soil amendment, a soil-conditioner, and compost. Texas Organic Mineral Soil Co. 570,057, Feb. 3; Serial No. 629,332.

CLASS 12

Bricks, Fire clay. McLeod & Henry Company, Inc. 570,033, Feb. 3; Serial No. 629,307, published Nov. 4, 1952.

Building tile. Ceratite Corporation. 569,969, Feb. 3; Serial No. 621,703, published Nov. 4, 1952.

Buildings, structures, structural units, etc. Basalt Rock Company, Inc. 570,037, Feb. 3; Serial No. 629,983, published Nov. 4, 1952.

Cement building blocks. E. Garnick. 569,937, Feb. 3; Serial No. 616,393, published Oct. 14, 1952.

Cementitious material, Wood base. Wall-Lundberg & Company. 569,884, Feb. 3; Serial No. 600,160, published Oct. 14, 1952.

Concrete blocks. Mingott, Inc. 570,038, Feb. 3; Serial No. 630,142, published Nov. 4, 1952.

Concrete fence posts. J. C. Woodlard. 570,038, Feb. 3; Serial No. 629,406, published Nov. 4, 1952.

Concrete structures, Pre-cast. C. P. Dubbs. 570,044, Feb. 3; Serial No. 631,051, published Nov. 4, 1952.

Construction material. The Vermiculite Association, Inc. 570,047, Feb. 3; Serial No. 608,974, published Nov. 4, 1952.

Doors. Curtis Companies Incorporated. 570,031, Feb. 3; Serial No. 629,154, published Nov. 4, 1952.

Doors, Garage. The Monarch Door. 570,041, Feb. 3; Serial No. 630,850, published Nov. 4, 1952.

Fiberboard, Hard. Forest Fiber Products Company. 570,032, Feb. 3; Serial No. 629,195, published Nov. 4, 1952.

Glazed facing material. H. A. Reeves. 569,905, Feb. 3; Serial No. 615,341, published Nov. 4, 1952.

Mortar, pea gravel concrete, patching and topping concrete, etc. Bo Products Corporation. 570,055, Feb. 3; Serial No. 621,354.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Panel structures. The Perma Products Company. 570,040, Feb. 3; Serial No. 630,789, published Nov. 4, 1952.

Pipe line felt, saturated asbestos. A. O. Mickelson. 569,942-3, Feb. 3; Serial Nos. 618,647-8, published Nov. 4, 1952.

Putty. Benjamin Moore & Co. 570,043, Feb. 3; Serial No. 631,014, published Nov. 4, 1952.

Refractory materials. Basic Refractories, Incorporated. 570,036, Feb. 3; Serial No. 629,648, published Nov. 4, 1952.

Tile, floor and wall. David E. Kennedy, Inc. 569,867, Feb. 3; Serial No. 589,260, published Oct. 14, 1952.

Volcanic glass, expanded and vesiculated. Great Lakes Carbon Corporation. 569,867, Feb. 3; Serial No. 602,506, published Oct. 14, 1952.

Windows. Durell Products, 570,042, Feb. 3; Serial No. 630,997, published Nov. 4, 1952.

Windows, storm, and storm doors. Challenger Products, Inc. 570,022, Feb. 3; Serial No. 628,996, published Nov. 4, 1952.

CLASS 14

Alloys, non-ferrous. A. Allan & Son. 512,189, July 12, 1949. Canceled Dec. 10, 1952. O. G. Feb. 3.

Metal, type. Metals Refining Company Inc. 569,961, Feb. 3; Serial No. 620,428, published Oct. 28, 1952.

Steel sheets, steel bars, and steel forgings. Henry Duxton & Sons, Incorporated. 90,100, Feb. 4, 1913. Republished Feb. 3.

CLASS 15

Gasoline, motor lubricating oils, fuel oils, etc. Nagy Bros. Motor Company. 299,412, renewed Dec. 6, 1952. O. G. Feb. 3.

Oils, lubricating. Tri-State Refining Company. 294,930, renewed June 14, 1952. O. G. Feb. 3.

Petroleum products. Richfield Oil Corporation of New York. 307,221, Oct. 17, 1933. Republished Feb. 3.

CLASS 16

Oil-paint. The Sherwin-Williams Company. 89,155, renewed Nov. 12, 1952. O. G. Feb. 3.

CLASS 17

Cigarettes. Bell Virginia Corporation. 569,878, Feb. 3; Serial No. 596,707, published Nov. 4, 1952.

Cigars. O. H. Thompson. 193,957, Jan. 13, 1925. Canceled Dec. 5, 1952. O. G. Feb. 3.

Snuff. George W. Helme Company. 569,848, Feb. 3; Serial No. 562,044, published Nov. 4, 1952.

CLASS 18

Anti-bacterial preparations. Eaton Laboratories Inc. 569,968, Feb. 3; Serial No. 621,508, published Oct. 14, 1952.

Antibiotic. Bristol Laboratories Inc. 569,924, Feb. 3; Serial No. 615,813, published Oct. 14, 1952.

Antibiotics. Bristol Laboratories Inc. 569,925, Feb. 3; Serial No. 615,814, published Oct. 14, 1952.

Buffered acidic solution, and for a liquid douche. Kip, Aldrich & Co., Inc. 569,945, Feb. 3; Serial No. 619,204, published Oct. 14, 1952.

Cardiac stimulant and diuretic. R. McNeil. 301,664, renewed Mar. 7, 1953. O. G. Feb. 3.

Germicidal preparation. The William Gets Corporation. 569,850, Feb. 3; Serial No. 587,193, published Oct. 28, 1952.

Laxative. Dr. J. Gesteira. 297,344, renewed Sept. 13, 1952. O. G. Feb. 3.

Low sodium, low fat food, for use as a dietary supplement. Wyeth Incorporated. 569,983, Feb. 3; Serial No. 623,523, published Oct. 28, 1952.

Lozenges, antibiotic anesthetic throat. Foley & Company. 569,865, Feb. 3; Serial No. 600,826, published Oct. 28, 1952.

Lozenges, antibiotic anesthetic throat. Foley & Company. 569,917, Feb. 3; Serial No. 609,033, published Oct. 28, 1952.

Medical preparation. Physicians and Hospitals Supply Company, Inc. 569,953, Feb. 3; Serial No. 619,711, published Oct. 21, 1952.

Medicated hospital lotion. Will Ross, Inc. 569,913, Feb. 3; Serial No. 608,084, published Oct. 7, 1952.

Medication. D. Hillman. 569,910, Feb. 3; Serial No. 607,021, published Oct. 7, 1952.

Medicinal vitamin preparation. American Cyanamid Company. 569,973, Feb. 3; Serial No. 622,244, published Oct. 28, 1952.

Medicine used as a sedative and antispasmodic. Dr. J. Gesteira. 297,409, renewed Sept. 13, 1952. O. G. Feb. 3.

Medicines. S. del Busto Razon. 569,882, Feb. 3; Serial No. 598,114, published Oct. 14, 1952.

Ointment. J. L. Scala. 569,883, Feb. 3; Serial No. 600,148, published Oct. 14, 1952.

Ointment, skin. Vitacreme Products Company. 569,927, Feb. 3; Serial No. 616,306, published Oct. 14, 1952.

Pharmaceutical preparation. B. Wirth. 569,934, Feb. 3; Serial No. 617,521, published Oct. 14, 1952.

Preparation for the treatment of colds. Zerbat Pharmacal Company, Inc. 569,972, Feb. 3; Serial No. 621,930, published Oct. 28, 1952.

Preparation for the treatment of piles. J. Helsele. 569,986, Feb. 3; Serial No. 624,085, published Oct. 28, 1952.

Preparations for use in connection with the digestive disorders. Foster-McClellan Co. 146,741, Sept. 20, 1921. Canceled Dec. 12, 1952. O. G. Feb. 3. (Formerly Class 6.)

Remedies for diseases of the kidney and bladder, etc. Foley & Company. 88,620, re-renewed Oct. 8, 1952. O. G. Feb. 3.

Rubbing alcohol compound. Z. Gadamski. 569,908, Feb. 3; Serial No. 606,781, published Oct. 14, 1952.

Sedative. Frederick Stearns & Company. 355,900, Apr. 5, 1938. Canceled Nov. 28, 1952. O. G. Feb. 3. (Formerly Class 6.)

Tablet for control of pain of neuralgic type. Allied Laboratories, Inc. 569,916, Feb. 3; Serial No. 608,908, published Oct. 7, 1952.

Tablets taken internally. Baray Pharmacal Corporation. 569,896, Feb. 3; Serial No. 612,296, published Oct. 7, 1952.

Tonic, iron and stomachic, and dietary supplement preparation. Pierce's Proprietaries, Inc. 569,922, Feb. 3; Serial No. 611,972, published Oct. 7, 1952.

Trypsin for use as a drug. Armour and Company. 569,893, Feb. 3; Serial No. 606,254, published Oct. 28, 1952.

Vitamin preparations. B. V. M. Corporation. 569,853, Feb. 3; Serial No. 574,885, published Oct. 14, 1952.

CLASS 19

Air brakes, hydraulic brakes and electro-pneumatic brakes. The New York Air Brake Company. 569,906, Feb. 3; Serial No. 615,396, published Sept. 16, 1952.

Automobile seat and slip covers. The Abel Corporation. 569,847, Feb. 3; Serial No. 558,980, published Sept. 23, 1952.

Automotive vehicles. Packard Motor Car Company. 569,928, Feb. 3; Serial No. 616,299, published Sept. 23, 1952.

Bicycle and motorcycle parts. N. V. Lemet Industrie. 569,956, Feb. 3; Serial No. 620,224, published Sept. 16, 1952.

Bicycles, baby carriages, strollers, etc. Mercantile Stores Company, Inc. 569,862, Feb. 3; Serial No. 583,765, published Sept. 23, 1952.

Bicycles, motor-bicycles, tricycles, etc. The Raleigh Cycle Co. Limited. 569,852, Feb. 3; Serial No. 571,662, published Sept. 23, 1952.

Bicycles, motor-bicycles, tricycles, etc. Raleigh Industries Limited. 569,868, Feb. 3; Serial No. 589,530, published Sept. 23, 1952.

Bicycles, motor-bicycles, tricycles, and their parts. Rudge-Whitworth Limited. 569,892, Feb. 3; Serial No. 606,238, published Sept. 23, 1952.

Boat fenders. Revere Supply Co., Inc. 570,056, Feb. 3; Serial No. 624,424.

Bodies for garbage and refuse hauling trucks. Gar Wood Industries, Inc. 569,859, Feb. 3; Serial No. 581,661, published Sept. 16, 1952.

Cars, chassis, and structural parts thereof. Motor. Singer Motors Limited. 569,930, Feb. 3; Serial No. 617,216, published Sept. 23, 1952.

Cars, mine. The C. S. Card Iron Works Co. 569,915, Feb. 3; Serial No. 608,400, published Sept. 23, 1952.

Cars, motor, motor cycles tricycles, etc. "Motom" Société à Responsabilité Limitée Zurich. 569,965, Feb. 3; Serial No. 620,897, published Sept. 16, 1952.

Covers for automobile cushions, seats and seat backs. The S. E. Hyman Company. 569,950, Feb. 3; Serial No. 619,574, published Sept. 16, 1952.

Freewheel hubs, freewheel brake hubs, and freewheel hubs with gear transmissions, etc. Fichtel & Sachs Aktiengesellschaft. 569,990, Feb. 3; Serial No. 624,718, published Sept. 16, 1952.

Funnels and chimneys for ships and railway locomotives. Société des Forges & Chantiers de la Méditerranée. 569,946, Feb. 3; Serial No. 619,369, published Sept. 23, 1952.

Hubs, pedals, brakes, etc. Brampton Brothers, Limited. 89,813, re-renewed Jan. 14, 1953. O. G. Feb. 3.

Hydraulic shock absorbers. Chrysler Corporation. 569,981, Feb. 3; Serial No. 623,339, published Sept. 16, 1952.

King bolt sets, tie rods, drag links etc. Lindeteves Inc. 569,932, Feb. 3; Serial No. 617,504, published Sept. 16, 1952.

King bolt sets, tie rods, drag links etc. Lindeteves Inc. 569,933, Feb. 3; Serial No. 617,506, published Sept. 16, 1952.

Motorcycle and lamp brackets. Officine Elettromeccaniche Pugilotti & C. 569,885, Feb. 3; Serial No. 586,103, published Sept. 16, 1952.

Motorcycles and structural parts thereof. Triumph Engineering Company Limited. 569,864, Feb. 3; Serial No. 584,559, published Sept. 16, 1952.

Rear vision mirrors. The Skylark Automotive Corporation. 569,952, Feb. 3; Serial No. 619,684, published Sept. 23, 1953.

Shades for doors and windows of automotive vehicles. Auto Ventshade Company. 569,872, Feb. 3; Serial No. 592,297, published Sept. 16, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Traffic light indicators. Apollo Ad Service, Inc. 569,935, Feb. 3; Serial No. 617,780, published Sept. 16, 1952.

Truck bodies, delivery. Ben-Roy Company. 569,963, Feb. 3; Serial No. 620,586, published Sept. 23, 1952.

Trucks, warehouse, hand trucks, and wheels and casters therefor. Roll-Rite Corporation. 569,851, Feb. 3; Serial No. 569,642, published Sept. 16, 1952.

Vehicle bodies, automotive express; boats, barges, etc. Columbian Steel Tank Company. 569,857, Feb. 3; Serial No. 578,373, published Sept. 23, 1952.

Weather strip structure for automobile door windows. C. M. Shapiro. 569,904, Feb. 3; Serial No. 615,291, published Sept. 23, 1952.

CLASS 21

Electric motors, electric generators, electric fans, etc. Diehl Manufacturing Company. 569,970, Feb. 3; Serial No. 621,872, published Oct. 28, 1952. (Consolidated certificate, Classes 21, 23, and 34.)

Electrical cable. The American Steel and Wire Company of New Jersey. 553,470-1, Jan. 15, 1952. Canceled Dec. 29, 1952. O. G. Feb. 3.

Electrically actuated valves and parts thereof and pressure-actuated electric switches. The New York Air Brake Company. 569,907, Feb. 3; Serial No. 616,397, published Oct. 21, 1952.

CLASS 22

Children's riding and walking vehicle. L. I. Powell. 569,876, Feb. 3; Serial No. 595,512, published Nov. 11, 1952.

Devices for bathing or swimming suits, inflatable. Solar-Tan Company, Inc. 569,890, Feb. 3; Serial No. 604,278, published Nov. 11, 1952.

Dolls. W. Rothstein. 569,921, Feb. 3; Serial No. 611,917, published Nov. 11, 1952.

Fish bait, artificial. C. G. Williams. 570,049, Feb. 3; Serial No. 583,969.

Fish lures, artificial. Lonn Sales Company. 570,048, Feb. 3; Serial No. 577,541.

Toy surveying instruments. The Porter Company. 570,033, Feb. 3; Serial No. 619,769.

CLASS 23

Belt conveyors, portable and stationary, belt and bucket loaders, etc. Barber-Greene Company. 569,994, Feb. 3; Serial No. 625,652, published Sept. 23, 1952.

Bench grinders, electric. Diehl Manufacturing Company. 569,970, Feb. 3; Serial No. 621,873, published July 1, 1952. (Consolidated certificate, Classes 21, 23, and 34.)

Boat holts. J. W. Looschen. 297,009, Aug. 30, 1932. Republished Feb. 3.

Compression sprayers, hand operated. H. D. Hudson Manufacturing Company. 570,005, Feb. 3; Serial No. 626,887, published Oct. 28, 1952.

Concrete mixers, self-propelled portable. R. O. Le Tourneau, Inc. 440,341, Aug. 24, 1948. Republished Feb. 3.

Fire detecting apparatus. Walter Kidde & Company, Inc. 569,931, Feb. 3; Serial No. 617,298, published Sept. 2, 1952.

Frames for holding printing plates. Addressograph-Multigraph Corporation. 569,919, Feb. 3; Serial No. 609,269, published Oct. 28, 1952.

Jacks, lifting. Templeton Kenly & Co., Ltd. 40,032, renewed Mar. 31, 1953. O. G. Feb. 3.

Knives and shears, machine, and saw bits. Simonds Saw and Steel Company. 570,007, Feb. 3; Serial No. 627,014, published Oct. 28, 1952.

Knives, butchers', and butchers' steels, shoe-knives. E. F. Ridgway. 87,657, July 30, 1912. Republished Feb. 3.

Lens grinding, surfacing, polishing and edging machines, etc. Shuron Optical Company, Inc. 569,854, Feb. 3; Serial No. 578,139, published May 6, 1952. (Consolidated certificate, Classes 4, 23, and 26.)

Linotype-supplies, comprising linotype-matrices, linotype space bands, etc. Mergenthaler Linotype Co. 90,360, re-renewed Feb. 18, 1953. O. G. Feb. 3.

Loom supplies. The Bullard Clark Company. 569,863, Feb. 3; Serial No. 584,440, published Oct. 7, 1952.

Machinery bearings and bearing collars. Joseph T. Ryerson & Son, Inc. 302,010, Mar. 21, 1933. Republished Feb. 3.

Machinery couplings, flexible. Thomas Flexible Coupling Company. 570,008, Feb. 3; Serial No. 626,969, published Oct. 28, 1952.

Motor fuel service station equipment. Erie Meter Systems, Incorporated. 569,879, Feb. 3; Serial No. 596,721, published Aug. 19, 1952.

Pumps, liquid fuel, and water circulating pumps. Petroleum Heat and Power Company. 569,964, Feb. 3; Serial No. 620,857, published Oct. 28, 1952.

Rock drills. Holman Brothers Limited. 570,010, Feb. 3; Serial No. 627,131, published Oct. 28, 1952.

Saws, saw handles, inserted saw teeth, etc. Henry Duxton & Sons, Incorporated. 90,101, Feb. 4, 1913. Republished Feb. 3.

Tool bits, angle plates, V-blocks, etc. James Neill & Co. 569,967, Feb. 3; Serial No. 621,084, published Oct. 28, 1952.

Tool bits, replaceable cutting. The Bowditch Company. 569,962, Feb. 3; Serial No. 620,457, published Oct. 28, 1952.

Tools, well. Byron Jackson Co. 569,801, Feb. 3; Serial No. 582,787, published Sept. 2, 1952.

CLASS 25

Locks and latches, door. Sargent & Company. 570,015, Feb. 3; Serial No. 628,222, published Nov. 11, 1952.

CLASS 26

Binoculars. Overseas Finance & Trading Company, Inc. 569,947, Feb. 3; Serial No. 619,403, published Oct. 28, 1952.

Cameras. Overseas Finance & Trading Company, Inc. 569,949, Feb. 3; Serial No. 619,405, published Oct. 28, 1952.

Cassettes holding photographic films. General Electric X-Ray Corporation. 300,673, renewed Jan. 31, 1953. O. G. Feb. 3.

Photographic hand-cameras and stand-cameras; enlarging apparatus, projecting apparatus, etc. Optische Anstalt C. P. Goers Aktiengesellschaft. 88,938, re-renewed Oct. 29, 1952. O. G. Feb. 3.

Photographic lenses. Overseas Finance & Trading Company, Inc. 569,948, Feb. 3; Serial No. 619,404, published Oct. 28, 1952.

Photographic projection printers. The Gevaert Company of America, Inc. 360,843, Sept. 27, 1938. Canceled Dec. 22, 1952. O. G. Feb. 3.

Spectacles, eyeglasses and parts thereof; cases; etc. Shuron Optical Company, Inc. 569,854, Feb. 3; Serial No. 578,140, published Aug. 19, 1952. (Consolidated certificate, Classes 4, 23, and 26.)

CLASS 30

China ware, earthenware, pottery, and porcelainware. Chinaware & Glass Trading Corp. 570,051, Feb. 3; Serial No. 589,375.

CLASS 32

Display cases. The Kelling Nut Co. 569,991-2, Feb. 3; Serial Nos. 625,276-7, published Nov. 4, 1952.

Furniture. C. A. Blaesman Manufacturing Company. 569,944, Feb. 3; Serial No. 619,153, published Nov. 4, 1952.

Furniture. Hooker Furniture Corporation. 569,951, Feb. 3; Serial No. 619,622, published Nov. 4, 1952.

Mattresses, box springs, and bed bolsters. King Karpen Company. 570,013, Feb. 3; Serial No. 628,022, published July 8, 1952.

Window shades, roll-type, and Venetian blinds. Independent Window Shade Manufacturing Co., Inc. 569,903, Feb. 3; Serial No. 615,223, published Nov. 4, 1952.

CLASS 34

Burner, gas heating. Modern Controls Corporation. 570,050, Feb. 3; Serial No. 588,226.

Chimney caps. Arlia Metals Co., Incorporated. 570,054, Feb. 3; Serial No. 620,993.

Exhaust fans. Diehl Manufacturing Company. 569,970, Feb. 3; Serial No. 621,871, published May 13, 1952. (Consolidated certificate, Classes 21, 23, and 34.)

CLASS 35

Brake lining, automotive and industrial. Brake Lining Supply Co., Inc. 569,895, Feb. 3; Serial No. 612,000, published Nov. 11, 1952.

Tires, hollow non-inflatable rubber. H. W. Churchman. 569,888, Feb. 3; Serial No. 603,571, published Nov. 11, 1952.

CLASS 36

Phonograph records, grooved. Capitol Records, Inc. 569,989, Feb. 3; Serial No. 624,630, published Nov. 11, 1952.

Phonograph records, grooved. Turicaphon A. G. 569,877, Feb. 3; Serial No. 594,875, published Nov. 11, 1952.

Phonograph records, mechanically grooved. Decca Records, Inc. 569,841, Feb. 3; Serial No. 531,317, published Nov. 11, 1952.

Phonographs, phonograph tone arms, phonograph needles, etc. S. J. Karna. 569,914, Feb. 3; Serial No. 608,360, published Nov. 11, 1952.

CLASS 37

Facial tissues. Sitroux Incorporated. 530,584, Sept. 12, 1950. Canceled Dec. 5, 1952. O. G. Feb. 3.

Indicator tabs, or file signals. George B. Graff Company. 302,293, renewed Apr. 11, 1953. O. G. Feb. 3.

Lead-pencils. American Lead Pencil Company. 40,090, re-renewed Apr. 14, 1953. O. G. Feb. 3.

Paper, coated. Consolidated Water Power & Paper Company. 569,844, Feb. 3; Serial No. 547,617, published Oct. 14, 1952.

Paper, master. Addressograph-Multigraph Corporation. 570,004, Feb. 3; Serial No. 628,845, published Oct. 28, 1952.

Paper napkins. Ace Art Company. 570,000, Feb. 3; Serial No. 626,631, published Oct. 28, 1952.

Paper supplies, household. C. L. Rubinstein. 569,889, Feb. 3; Serial No. 604,106, published Oct. 28, 1952.

Paper, writing and printing. American Writing Paper Company. 90,952, re-renewed Apr. 8, 1953. O. G. Feb. 3.

Pencils. Jerusalem Pencils Limited. 569,929, Feb. 3; Serial No. 617,033, published Oct. 28, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Pencils, Lead, and crayons. Eagle Pencil Company. 569,840, Feb. 3; Serial No. 523,194, published Oct. 28, 1952.
Toilet tissue. Ashland Paper Mills, Inc. 570,009, Feb. 3; Serial No. 627,109, published Oct. 28, 1952.

CLASS 38

Books, Printed. Joseph T. Ryerson & Son. 95,265, Feb. 3, 1914. Republished Feb. 3.
Comic drawings. United Feature Syndicate, Inc. 569,894, Feb. 3; Serial No. 608,300, published Nov. 11, 1952.
Directory. Educational Directories, Inc. 569,941, Feb. 3; Serial No. 618,488, published Nov. 11, 1952.
Newspaper column. Associated Release Service. 569,920, Feb. 3; Serial No. 609,873, published Dec. 18, 1951.
Periodical. Ideal Publishing Corporation. 570,019, Feb. 3; Serial No. 628,858, published Nov. 4, 1952.
Periodical. The Professional Golfers' Association of America. 569,979, Feb. 3; Serial No. 623,155, published Nov. 4, 1952.
Photo prints. C. Scharf. 570,014, Feb. 3; Serial No. 628,171, published Nov. 4, 1952.
Printed name tags. Transparent Products Co. Inc. 569,871, Feb. 3; Serial No. 591,324, published Nov. 4, 1952.
Publication, House organ type monthly. Advance Aluminum Castings Corp. 570,020, Feb. 3; Serial No. 628,890, published Nov. 4, 1952.
Puzzle feature. Omnibook, Inc. 569,998, Feb. 3; Serial No. 626,468, published Nov. 4, 1952.

CLASS 39

Apparel, Women's. Vanity Fair Mills, Inc. 569,999, Feb. 3; Serial No. 626,649, published Oct. 28, 1952.
Bathing suits, slacks, blouses, etc., Women's and misses'. G. Koesling. 569,902, Feb. 3; Serial No. 615,122, published Sept. 2, 1952.
Brassieres. Peter Pan Foundations, Inc. 569,886, Feb. 3; Serial No. 601,279, published June 5, 1951.
Clothing and parts thereof, Men's and boys' dress, sport, and work. Phillips-Jones Corporation. 569,875, Feb. 3; Serial No. 593,853, published Sept. 23, 1952.
Clothing, Baseball, football clothing, basketball clothing, etc. Southern Athletic Supply Company, Incorporated. 569,897, Feb. 3; Serial No. 612,669, published Nov. 4, 1952.
Coats and leather coats, leather vests, leather breeches, etc. H. & L. Block, Ltd. 298,355, renewed Oct. 25, 1952. O. G. Feb. 3.
Coats and suits, Men's and young men's. Wulf Brothers, Inc. 417,322, Oct. 23, 1945. Republished Feb. 3.
Dresses, Juniors' and misses'. Jerry Greenwald, Inc. 569,955, Feb. 3; Serial No. 620,209, published Nov. 4, 1952.
Dresses, playsuits, separate skirts, etc., Misses', women's, and children's. Strauss, Royer & Strauss, Inc. 569,898, Feb. 3; Serial No. 614,067, published Nov. 4, 1952.
Dresses, slacks, outer shorts, etc., Ladies' and misses'. Jamison Classics, Inc. 570,003, Feb. 3; Serial No. 622,998, published Nov. 4, 1952.
Dresses, Women's. Bristol-Myers Company. 569,985, Feb. 3; Serial No. 624,021, published Nov. 4, 1952.
Garments, Fur. American Fox Breeders Association. 569,977, Feb. 3; Serial No. 623,036, published Sept. 23, 1952.
Garments, Fur. P. L. Reinhardt. 569,960, Feb. 3; Serial No. 620,363, published Sept. 2, 1952.
Gloves. The Schafer Company, Inc. 570,021, Feb. 3; Serial No. 628,961, published Nov. 4, 1952.
Gloves and mittens. The Boss Manufacturing Company. 570,011, Feb. 3; Serial No. 627,249, published Oct. 28, 1952.
Gloves, Rubber, knee and leg protectors, bathing caps, etc. Helsingborgs Gummifabriks Aktiebolag. 569,954, Feb. 3; Serial No. 619,754, published Nov. 4, 1952.
Gowns, wrappers, binders, etc., Infants'. Schindler-McDaniels Co., Inc. 569,179, Apr. 26, 1949. Canceled Dec. 29, 1952. O. G. Feb. 3.
Hats and hat bodies, Women's. Merrimac Hat Corporation. 444,750, Feb. 3; Serial No. 525,641, published Oct. 21, 1952.
Hats, caps, dress shirts, etc., Men's. John B. Stetson Company. 569,923, Feb. 3; Serial No. 615,802, published Sept. 23, 1952.
Hats, Ladies'. Goldstein Millinery Company. 569,901, Feb. 3; Serial No. 615,114, published Sept. 23, 1952.
Hats, Ladies' and misses'. Goldstein Millinery Company. 569,900, Feb. 3; Serial No. 614,552, published Sept. 2, 1952.
Hats, Men's, ladies' and children's. Texas Harvest Hat Company. 569,987, Feb. 3; Serial No. 624,215, published Sept. 2, 1952.
Hosiery, Ladies' and misses'. Valcott Hosiery Corporation. 569,842, Feb. 3; Serial No. 538,679, published Aug. 5, 1952.
Jackets, stoles, and boleros, Fur. Max Koch and Son, Inc. 569,968, Feb. 3; Serial No. 624,340, published Sept. 2, 1952.
Lingerie. The Stork Shop, Inc. 569,873, Feb. 3; Serial No. 592,582, published Oct. 28, 1952.
Neckties and cravats. Schoenfeld Neckwear Company, Inc. 569,881, Feb. 3; Serial No. 597,979, published Sept. 23, 1952.

Neckties and scarves, Men's. Dominique France, Inc. 569,911, Feb. 3; Serial No. 607,743, published Sept. 23, 1952.
Outerwear and underwear, Men's, women's, and children's textile. Albee Mfg. Co. 569,858, Feb. 3; Serial No. 579,649, published Feb. 13, 1951.
Overalls, dungarees, outer shirts, etc., Men's and boys'. Blue Bell, Inc. 569,975, Feb. 3; Serial No. 622,985, published Sept. 2, 1952.
Overalls, dungarees and outer shirts, Men's and boys'. Blue Bell, Inc. 569,976, Feb. 3; Serial No. 622,987, published Sept. 2, 1952.
Overalls, dungarees and outer shirts, Men's and boys'. Blue Bell, Inc. 570,002, Feb. 3; Serial No. 622,988, published Sept. 2, 1952.
Shirts, Dress, negligee shirts, work shirts, etc. Phillips-Jones Corporation. 569,849, Feb. 3; Serial No. 562,574, published Sept. 23, 1952.
Shirts, Men's and boys' outer. Harris Smith, Inc. 569,860, Feb. 3; Serial No. 582,622, published Sept. 2, 1952.
Shirts, Men's outer. McMullen-Leavens Company, Incorporated. 569,843, Feb. 3; Serial No. 545,636, published Sept. 21, 1949.
Shirts, Men's outer. The Willow Shirt and Underwear Corporation. 372,018, Oct. 17, 1939. Republished Feb. 3.
Suits, and overcoats and topcoats, Men's. Hart, Schaffner & Marx. 569,899, Feb. 3; Serial No. 614,146, published Sept. 23, 1952.
Suits, Men's, and men's overcoats. The Hecht Company. 444,332, Nov. 21, 1950. Republished Feb. 3.
Suits, overcoats, and topcoats, Boys', young men's and men's. Wulf Brothers, Inc. 335,437, June 2, 1936. Republished Feb. 3.
Suits, overcoats, and topcoats, Boys', young men's, and men's. Wulf Brothers, Inc. 351,952, Nov. 16, 1937. Republished Feb. 3, 1953.
Suits, overcoats, and topcoats, Boys', young men's and men's. Wulf Brothers, Inc. 361,473, Oct. 18, 1938. Republished Feb. 3.
Ties, Bow, and necktie bands. Milo S. Goldenberg & Co. 569,936, Feb. 3; Serial No. 617,912, published Sept. 23, 1952.

CLASS 40

Braids, shoe and belt buckles, buttons, etc. The Emporium Capwell Company. 569,966, Feb. 3; Serial No. 620,960, published Oct. 21, 1952.
Embroidered edgings. Fruit of the loom, Inc. 569,978, Feb. 3; Serial No. 623,136, published Oct. 21, 1952.

CLASS 43

Thread. Groves Thread Company, Inc. 570,016-17, Feb. 3; Serial Nos. 628,322-3, published Oct. 28, 1952.
Yarn. Green & Hopson. 570,018, Feb. 3; Serial No. 628,533, published Nov. 4, 1952.

CLASS 44

Trusses. Watkins Surgical Corp. 569,980, Feb. 3; Serial No. 623,170, published Nov. 4, 1952.

CLASS 45

Beverages and syrups, Nonalcoholic, maltless. The Ver-Vac Products Co., Inc. 298,111, renewed Oct. 11, 1952. O. G. Feb. 3.
Beverages, Carbonated, nonalcoholic, noncereal, maltless. A. Kanner. 301,307, renewed Feb. 28, 1953. O. G. Feb. 3.
Fruit, Juices, Non-alcoholic, maltless, fruit juice concentrates, etc. California Fruit Growers Exchange. 302,251, renewed Apr. 4, 1953. O. G. Feb. 3.

CLASS 46

Canned fish. A. Alonso. 298,051, renewed Oct. 11, 1952. O. G. Feb. 3.
Canned fish. Italian Food Products Company, Inc. 302,108, renewed Mar. 28, 1953. O. G. Feb. 3.
Canned or bottled tomato juice, tomato juice cocktail, tomato catsup, etc. Vincennes Packing Corporation. 301,657, renewed Mar. 7, 1953. O. G. Feb. 3.
Confectionery. H. L. Hildreth Co. 298,368, renewed Oct. 25, 1952. O. G. Feb. 3.
Confectionery. H. L. Hildreth Co. 298,371, renewed Oct. 25, 1952. O. G. Feb. 3.
Custard, Frozen, and frozen sherbet. Beatrice Creamery Company. 298,780, renewed Nov. 8, 1952. O. G. Feb. 3.
Flour, Wheat. International Milling Company. 570,046, Feb. 3; Serial No. 633,847, published Nov. 11, 1952.
Ice cream. Swift and Company. 299,483, renewed Dec. 8, 1952. O. G. Feb. 3.
Meats. Diets Meats, Inc. 569,912, Feb. 3; Serial No. 607,802, published Nov. 11, 1952.
Nuts, Brazil. Brazil Nut Association. 569,909, Feb. 3; Serial No. 607,001, published Sept. 16, 1952.
Syrup, Table. California Maple Syrup Company, Inc. 339,510, Oct. 13, 1936. Restricted. O. G. Feb. 3.
Vegetables, Fresh. W. Massera. 432,667, Sept. 9, 1947. Amended. O. G. Feb. 3.

CLASS 49

Rum. Austin, Nichols & Co., Incorporated. 342,371, Jan. 12, 1937. Republished Feb. 3.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 50

Plastic place mats. Hedwin Corporation. 647,676, Sept. 4, 1951. Canceled Dec. 23, 1952. O. G. Feb. 3.

CLASS 51

Antiseptics, bactericides, bacteriostats, etc. Hynson, Westcott & Dunning, Incorporated. 302,463, renewed Apr. 18, 1953. O. G. Feb. 3.
Nail powder polish, nail polish in paste form, liquid nail polish, etc. Peggy Sage, Inc. 302,124, renewed Mar. 28, 1953. O. G. Feb. 3.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 302,417, renewed Apr. 18, 1953. O. G. Feb. 3.
Perfumes, rice powder and lipsticks. Societe Jacques Frederic Fath et Compagnie. 569,845, Feb. 3; Serial No. 554,728, published Oct. 14, 1952.
Perfumes, sachet-powders, face and toilet powders, etc. Richard Hudnut. 89,367, re-renewed Dec. 10, 1952. O. G. Feb. 8.

CLASS 52

Chemical compound used for removing carbon and residue. E. Faulkner. 569,891, Feb. 3; Serial No. 604,473, published Nov. 4, 1952.
Cleaner, cleanser, and detergent, Soluble. The Procter & Gamble Company. 570,023-30, Feb. 3; Serial Nos. 629,044-51, published Nov. 11, 1952.

Cleaner, Pan. C. J. Patterson Company. 570,001, Feb. 3; Serial No. 626,744, published Nov. 4, 1952.
Cleaning preparation. A. E. Harriman. 569,880, Feb. 3; Serial No. 596,844, published Nov. 4, 1952.
Detergent, Synthetic. Virginia-Carolina Chemical Corporation. 569,938-9, Feb. 3; Serial No. 618,419-20, published Nov. 11, 1952.
Detergent, Synthetic. Virginia-Carolina Chemical Corporation. 569,940, Feb. 3; Serial No. 618,423, published Nov. 11, 1952.
Metal cleaning and conditioning preparation, Combination. Eutectic Welding Alloys Corporation. 570,039, Feb. 3; Serial No. 630,487, published Nov. 11, 1952.
Paints, Prepared, semi-paste paints, paint and enamel finishes, etc. Acme White Lead & Color Works. 299,872, renewed Nov. 29, 1952. O. G. Feb. 3.
Shampoo. Armour and Company. 569,974, Feb. 3; Serial No. 622,575, published Nov. 4, 1952.
Shampoo. Maybert Corporation. 569,918, Feb. 3; Serial No. 609,094, published Nov. 4, 1952.
Shampoo, Hair. Snifur-S Chemical Co., Inc. 569,971, Feb. 3; Serial No. 621,918, published Nov. 4, 1952.
Soap. Richard Hudnut. 89,112, re-renewed Nov. 12, 1952. O. G. Feb. 3.
Washing compound, Laundry, and detergent builder. Wyandotte Chemicals Corporation. 569,866, Feb. 3; Serial No. 587,411, published Nov. 4, 1952.

LIST OF PLANT PATENTEEES

Bobblin & Atkins, assignee: See—

Jacobus, Martin R., assignor to Bobblin & Atkins, East Rutherford, N. J. Rose plant. 1,163, Feb. 3.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,162, Feb. 3.
Jackson & Perkins Company, assignee: See—
Boerner, Eugene S.
Verschuren, Hendrikus A. M.

Jacobus, Martin R., assignor to Bobblin & Atkins, East Rutherford, N. J. Rose plant. 1,163, Feb. 3.
Verschuren, Hendrikus A. M., Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,164, Feb. 3.

LIST OF DESIGN PATENTEEES

Adler, Samuel E., Chicago, Ill. Combined clock and radio cabinet. 168,723, Feb. 3.
American Optical Company, assignee: See—
Armbruster, John T.
Anderson, Curtis A., Larchmont, N. Y. Flying toy. 168,724, Feb. 3.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Headrest. 168,725, Feb. 3.
Arvin Industries, Inc., assignee: See—
Wagner, Franz.
Auspough, Aaron F., Houston, Tex. Signaling mlti. 168,726, Feb. 3.
Barnett, Louis H., and H. Brin, Fort Worth, Tex. Serving tray. 168,727, Feb. 3.
Beckman, George O., assignor to Super Mold Corporation of California, Lodi, Calif. Tire. 168,728, Feb. 3.
Bennett, Herbert L., assignor to Dixie Cup Company, Easton, Pa. Cup dispenser or similar article. 168,729, Feb. 3.
Brin, Harris: See—
Barnett, Louis H., and Brin.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio-phonograph cabinet. 168,730, Feb. 3.
Celotex Corporation, The, assignee: See—
Prisland, Theodore.
Chadbourne Hosiery Mills, Incorporated, assignee: See—
Chapin, Herbert B.
Chapin, Herbert B., Roslyn Heights, N. Y., assignor to Chadbourne Hosiery Mills, Incorporated. Hosiery display device. 168,731, Feb. 3.
Chicopee Mills, Inc., assignee: See—
White, Edward, IV.
Christopher, Patrick J., Geneva, N. Y. Toy automobile. 168,732, Feb. 3.
Claus, Guido, Elizabethtown, Pa. Stocking. 168,733, Feb. 3.
Coblentz, Louis J., New York, N. Y. Handbag ornament or similar article. 168,734, Feb. 3.
Coleman, Sidney, Maynard, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Combined windshield cleaner and clothes hanger. 168,735, Feb. 3.
Cooper, Bertrand M., Misson, Kans., A. M. Parkison, Kansas City, and G. A. Storck, Kansas City North, assignors to Trans World Airlines, Inc., Kansas City, Mo. Student pilot's instruction visor. 168,736, Feb. 3.
Dixie Cup Company, assignee: See—
Bennett, Herbert L.
Emblaco Limited, assignee: See—
Marcantonio, Attilio A. G.
Foster Grant Co., Inc., assignee: See—
Foster, Joseph C.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 168,737, Feb. 3.
Friedman, Abraham S., Hicksville, assignor to The National Ideal Company, Toledo, Ohio. Brooder heater. 168,738, Feb. 3.
Frydender, Sophie, assignor to Lancome, S. A., Paris, France. Atomizer. 168,739, Feb. 3.
General Electric Company, assignee: See—
Sandin, Ray C.
Wassmann, Lutrelle P.
General Mills, Inc., assignee: See—
Pollvka, John N.
Geneser, Jack S., Brownsville, Tex. Savings bank or similar article. 168,740, Feb. 3.
Giannotti, Albert J., Redwood City, Calif. Ski sled. 168,741, Feb. 3.
Handcraft Company, Inc., The, assignee: See—
Hiestand, Preston E.
Handler, Elliot, Los Angeles, Calif. Toy trolley. 168,742, Feb. 3.
Henk, Dorothy E., Pittsburgh, Pa. Stocking. 168,743, Feb. 3.
Hiestand, Preston E., assignor to The Handcraft Company, Inc., Princeton, Wis. Shoe or similar article. 168,744, Feb. 3.

Jacoby-Bender, Inc., assignee: See—

Rodriguez, Emil.
Kraus, Walter N., Colorado Springs, Colo. Laundry cart. 168,745, Feb. 3.
Laciura, Roy J., Buffalo, N. Y. Sanitary holder for bathroom accessories. 168,746, Feb. 3.
Lancome, S. A., assignee: See—
Frydender, Sophie.
Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Chain saw. 168,747, Feb. 3.
Mall Tool Company, assignee: See—
Mall, Arthur W.
Marcantonio, Attilio A. G., London, England, assignor to Emblaco Limited. Ice-cream cone or the like. 168,748, Feb. 3.
McMillan, Helen: See—
McMillan, John and H.
McMillan, John and Helen, Elko, Nev. Electric lawn trimmer. 168,749, Feb. 3.
Meyer, Walter, Chicago, Ill. Combined eraser and brush. 168,750, Feb. 3.
Miller, David, Lancaster, Pa. Umbrella handle. 168,751, Feb. 3.
Miller, David, Lancaster, Pa. Umbrella handle. 168,752, Feb. 3.
National Ideal Company, The, assignee: See—
Friedman, Abraham S.
Nelson, Erdick, Walworth, Wis., assignor to Square Manufacturing Company. Drink dispenser. 168,753, Feb. 3.
Nelson, Willis N., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Space heater. 168,754, Feb. 3.
New Holland Feed and Farm Supply Company, assignee: See—
Swanson, Kenneth L.
Odser, Harry, New York, N. Y. Textile fabric or similar article. 168,755, Feb. 3.
Odser, Harry, New York, N. Y. Textile fabric or similar article. 168,756, Feb. 3.
Odser, Harry, New York, N. Y. Textile fabric or similar article. 168,757, Feb. 3.
Odser, Harry, New York, N. Y. Textile fabric or similar article. 168,758, Feb. 3.
Odser, Harry, New York, N. Y. Textile fabric or similar article. 168,759, Feb. 3.
Parkison, Amherst M.: See—
Cooper, Bertrand M., Parkison, and Storck.
Pollvka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Handle for a waffle baker or the like. 168,760, Feb. 3.
Pollvka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Handle for waffle bakera and the like. 168,761, Feb. 3.
Pollvka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Combination grill and waffle baker or the like. 168,762, Feb. 3.
Prentiss Wabers Products Co., assignee: See—
Nelson, Willis N.
Prisland, Theodore, Hillside, assignor to The Celotex Corporation, Chicago, Ill. Acoustical correction tile. 168,763, Feb. 3.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandible link chain for a bracelet or the like. 168,764, Feb. 3.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandible link chain for a bracelet or the like. 168,765, Feb. 3.
Sandin, Ray C., Oak Park, Ill., assignor to General Electric Company. Evaporator door for refrigerators or the like. 168,766, Feb. 3.
Sarlo, Anthony, Fort Myers, Fla. Power mower. 168,767, Feb. 3.
Schlesinger, Harry, New York, N. Y. Plastic sheeting or similar article. 168,768, Feb. 3.
Square Manufacturing Company, assignee: See—
Nelson, Erdick.
Stelner, Ernest, New York, N. Y. Ring. 168,769, Feb. 3.

LIST OF DESIGN PATENTEES

Steiner, Ernest, New York, N. Y. Clip-on lapel flower holder. 168,770, Feb. 3.
 Storck, Gail A.: See—
 Cooper, Bertrand M., Parkison, and Storck.
 Super Mold Corporation of California, assignee: See—
 Beckman, George O.
 Swanson, Kenneth L., assignor to New Holland Feed and Farm Supply Company, New Holland, Ohio. Calf feeder or similar article. 168,771, Feb. 3.
 Trans World Airlines, Inc., assignee: See—
 Cooper, Bertrand M., Parkison, and Storck.
 Van Brode Milling Co., Inc., assignee: See—
 Coleman, Sidney.
 Wagner, Franz, Evanston, Ill., assignor to Arvia Industries, Inc., Columbus, Ind. Chair. 168,772, Feb. 3.
 Wassmann, Lutrelle P., Chicago, Ill., assignor to General Electric Company. Evaporator door for refrigerators or the like. 168,773, Feb. 3.
 White, Edward IV, Cranford, N. J., assignor to Chicopee Mills, Inc. Textile fabric. 168,774, Feb. 3.
 Zenith Radio Corporation, assignee: See—
 Budlong, Robert D.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3d DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acland, Edward H., assignor to Burroughes & Watts (Canada) Limited, Montreal, Quebec, Canada. Billiard table levelling apparatus. 2,627,407, Feb. 3.
 Adams, Albert C., Jackson Heights, N. Y., assignor to Republic Steel Corporation, Cleveland, Ohio. Conveyor for conduits and similar elongated articles. 2,627,340, Feb. 3.
 Adelson, Samuel L., assignor to Inflica Incorporated, Chicago, Ill. Flow control system. 2,627,280, Feb. 3.
 Admiral Corporation, assignee: See—
 Eck, Floyd R.
 Agriculture, United States of America as represented by the Secretary of, assignee: See—
 Lohmar, Roland L., Jr.
 Alasworth, Freedom H., assignor to The Wayne Pump Company, Salisbury, Md. Flow control nozzle for gas-oil dispensers. 2,627,418, Feb. 3.
 Air Devices, Inc., assignee: See—
 O'Day, Cortland N.
 Akana, William R., Birmingham, Ala. Collapsible camera tripod. 2,627,386, Feb. 3.
 Albrecht, Alexander J.: See—
 Huck, William F., Heller, and Albrecht.
 Aldridge, Floyd, Belmont, N. C. Combined saddle and roller for upper draft rollers of spinning frames. 2,627,090, Feb. 3.
 Aleasi, Patrick A., West Roxbury, Mass. Safety pin. 2,627,096, Feb. 3.
 Allen, Francis P., Westfield, and W. R. Saner, Plainfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of oriented coated films. 2,627,088, Feb. 3.
 Allied Electric Products, Inc., assignee: See—
 Welsberg, Sidney M.
 Alsberg, Frederick R.: See—
 Fink, Dale F., Greger, and Alsberg.
 Altman, Samuel D., New York, N. Y. Desk for attachment to furniture drawers. 2,627,444, Feb. 3.
 Alward, Kenneth C., Moweaqua, Ill. Energiser for petroleum fuels. 2,627,257, Feb. 3.
 American Can Company, assignee: See—
 Stone, George M.
 American Cyanamid Company, assignee: See—
 Hook, Edwin O., and Beegle.
 American Enka Corporation, assignee: See—
 Henry, William V.
 American Steel Foundries, assignee: See—
 Helsten, Wesley A.
 Smith, Goff.
 Tack, Carl E.
 Anaconda Wire and Cable Company, assignee: See—
 Witthoft, Herbert C.
 Anderson, Edwin F., Salt Lake City, Utah, assignor to A. D. and F. O. Elmer, as joint tenants. Water softener. 2,627,503, Feb. 3.
 Anderson, George L., Alexandria, Va., assignor to the United States of America as represented by the Secretary of the Army. Foldable ration heater. 2,627,263, Feb. 3.
 Anderson, James H., Easton, Pa., and G. Farnell, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. One-half wave length resonant explosion gas unit. 2,627,103, Feb. 3.
 Andrews, Dallas R., Collingswood, N. J., assignor to Radio Corporation of America. Driving apparatus. 2,627,596, Feb. 3.
 Angell, Paul M., and W. J. Benn, assignors to Newly Weds Baking Co., Chicago, Ill. Apparatus for manufacturing ice-cream cake rolls and the like. 2,627,236, Feb. 3.
 Angell, Paul M., assignor to Newly Weds Baking Co., Chicago, Ill. Apparatus for manufacturing ice-cream cake confections and the like. 2,627,237, Feb. 3.
 Antipovitch, Boris, Mexico City, Mexico. Automatic starter for electric motors. 2,627,595, Feb. 3.
 Apex Tool & Cutter Company, assignee: See—
 Sheridan, Henry M.
 Arbogast, Ray D., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Battery with conductive cement intercell connections. 2,627,534, Feb. 3.
 Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(2-N-piperidinoethylamino)-4-methylthiazanthone and their preparation. 2,627,518, Feb. 3.
 Arcus, Alex A.: See—
 Luttrichhaus, Hans, Mautner, and Arcus.
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 Arey, William F., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Segregation of hydrocarbons with urea at low temperatures. 2,627,513, Feb. 3.
 Armour and Company, assignee: See—
 Du Brow, Paul L., and Harwood.
 Harrington, Bertie S.
 Potts, Ralph H., and Olson.
 Army, United States of America as represented by the Secretary of the, assignee: See—
 Anderson, George L.
 Bartlett, Paul D., Dauben, and Schneider.
 Drake, Nathan L., and Melamed.
 Drake, Nathan L., Shenk, and Eaker.
 Kraemer, Fritz.
 Tachinkel, Johann G.
 Arthur, Richard F.: See—
 Earle, Edwin L., and Arthur.
 Arvidson, Gustaf A., Davenport, Iowa. Hydraulic power transmission apparatus. 2,627,324, Feb. 3.
 Arvin, James A., Homewood, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Vinyl copolymers and process. 2,627,508, Feb. 3.
 Arzberger, Fred C.: See—
 Kaka, Wilbur L., Bennett, and Arzberger.
 Atlas Polar Company Limited, assignee: See—
 Becker, John E.
 Austin, Benjamin L.: See—
 Baker, Reuben C., and Austin.
 Backman, John W., Los Angeles, Calif., assignor to Southern California Glass Co., Inc. Shower stall door hinge. 2,627,327, Feb. 3.
 Baker Brothers, Inc., assignee: See—
 Hallenbeck, Thomas L.
 Baker & Co., Inc., assignee: See—
 Russell, Harry J.
 Baker, Friend F., assignor to Baker & Worth, Incorporated, Los Angeles, Calif. Stereoscopic attachment for use with cameras. 2,627,201, Feb. 3.
 Baker Oil Tools, Inc., assignee: See—
 Baker, Reuben C.
 Baker, Reuben C., and Austin.
 Baker, Reuben C., Coalinga, and B. L. Austin, Long Beach, assignors to Baker Oil Tools, Inc., Vernon, Calif. Cementing plug and valve device for well casings. 2,627,314, Feb. 3.
 Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well tool swivel device. 2,627,310, Feb. 3.
 Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well tester. 2,627,317, Feb. 3.
 Baker & Worth, Incorporated, assignee: See—
 Baker, Friend F.
 Balas, Charles S., assignor to The Northwestern Corporation, Morris, Ill. Vending machine. 2,627,362, Feb. 3.
 Bancroft, Joseph, & Sons Co., assignee: See—
 Bromley, Frank.
 Barber-Colman Company, assignee: See—
 Peterson, Bert A.
 Bard, Andrew, San Bernardino, Calif. Seat cover with changeable sections. 2,627,303, Feb. 3.
 Barnaby, Roland E.: See—
 Lyman, Joseph, Barnaby, and Proskauer.
 Barnes, Jeffery W., Farnborough, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Navigational instrument. 2,627,180, Feb. 3.
 Barney, Freeman, Spring Lake, assignor to The Challenge Machinery Company, Grand Haven, Mich. Proof press paper gripper. 2,627,226, Feb. 3.
 Bartlam, Thomas C., H. R. Burke, and D. R. Wiser, Los Angeles, and V. C. Engstrom, South Gate, Calif.; said Bartlam, said Burke, and said Engstrom, assignors to said Wiser. Ball actuated racing game. 2,627,411, Feb. 3.
 Bartlett, Paul D., Weston, Mass., H. J. Dauben, Jr., Seattle, Wash., and A. Schneider, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,627,490, Feb. 3.
 Barton, George A., Yakima, Wash. Box stamper. 2,627,225, Feb. 3.
 Barton, Loy E., Collingswood, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Lighthouse tube oscillator. 2,627,577, Feb. 3.

Batten, Percy H., trustee, assignee: See—
Lindhagen, Teodor I., and Nilsson.
Nilsson, Hans R., and Lindhagen.
Benson, Robert L., Cedar Rapids, assignor to New Method Equipment Company, Indianola, Iowa. Auxiliary spring structure. 2,627,404, Feb. 3.
Beckard, Harry F., Unadilla, Nebr. Paper or bill file. 2,627,273, Feb. 3.
Becker, Howard L., Vlachera Ferry, N. Y., assignor to General Electric Company. Air bearing. 2,627,443, Feb. 3.
Becker, John E., Darlington Township, Durham County, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada. Rotary fluid coupling. 2,627,166, Feb. 3.
Becker, John E., Darlington Township, Durham County, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada. Fluid transfer device for rotary pump and turbine fluid couplings. 2,627,167, Feb. 3.
Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Self-piercing fastener. 2,627,099, Feb. 3.
Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Gamma control. 2,627,547, Feb. 3.
Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastening device. 2,627,094, Feb. 3.
Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cage nut. 2,627,294, Feb. 3.
Beegle, Lindley C.: See—
Hook, Edwin G., and Beegle.
Bell, Gustav F., Van Nuys, Calif. Filter holder. 2,627,207, Feb. 3.
Bell, Millard J., Grand Rapids, assignor to Newaygo Engineering Company, Newaygo, Mich. Sand flow control mechanism. 2,627,356, Feb. 3.
Bell, Rupert H., assignor to King-Seely Corporation, Ann Arbor, Mich. Switch. 2,627,567, Feb. 3.
Bell Telephone Laboratories, Incorporated, assignee: See—
Feldman, Carl B. H.
Mencham, Larned A., and Michaels.
Miller, Ralph L.
Rose, Charles F. P.
Bendix Aviation Corporation, assignee: See—
Clark, Richard B.
Elliott, Richard L.
Kimball, Vernon R.
Mock, Frank C.
Benjamin, Donald G., Maywood, and S. W. Kapranos, Clearmont Hills, Ill., assignors to Corn Products Refining Company, New York, N. Y. Recovery of glucuronolactone. 2,627,520, Feb. 3.
Benn, William J.: See—
Angell, Paul M., and Benn.
Bennett, Ralph E.: See—
Keko, Wilbur L., Bennett, and Arsberger.
Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Garbage disposal. 2,627,075, Feb. 3.
Beranek, Byron B., Elcho, Wis. Bowling pin setter. 2,627,408, Feb. 3.
Berg, Clyde H. G., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Gasification process and apparatus. 2,627,435, Feb. 3.
Berge, Howard J., Canby, Minn. Baling machine for compacting straw and stalks from harvesting machines into cylindrical bales. 2,627,223, Feb. 3.
Bernal, Antonio, Santa Fe, Argentina. Engine compressor control. 2,627,371, Feb. 3.
Bernard, Joseph, Fils, Ste-Germaine, Quebec, Canada. Latch mechanism for adjusting drag scraper operation. 2,627,127, Feb. 3.
Berthelsen, V., Engineering Works Inc., assignee: See—
Berthelsen, Viggo.
Berthelsen, Viggo, Hellerup, Denmark, assignor to V. Berthelsen Engineering Works Inc. Hydraulic press. 2,627,289, Feb. 3.
Berthelsen, Viggo, Hellerup, Denmark, assignor to V. Berthelsen Engineering Works Inc. Press, especially a veneering press. 2,627,290, Feb. 3.
Best Foods, Inc., The, assignee: See—
Gooding, Chester M.
Melnick, Daniel, Gooding, and Vahlteich.
Vahlteich, Hans W., Gooding, and Melnick.
Bewick, Howard L., and K. R. Brown, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Dried film-forming composition. 2,627,478, Feb. 3.
Beyer, Thomas W., San Rafael, Calif. Machine for grinding files. 2,627,143, Feb. 3.
Biedess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Mucking machine. 2,627,357, Feb. 3.
Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Boiler water treatment. 2,627,502, Feb. 3.
Blackman, Peter: See—
White, Blanche B., and Blackman.
Boek, George E., Chicago, E. Roberts, Harvey, Ill., and E. C. Hokanson, Bell, Calif., assignors to Whiting Corporation, Harvey, Ill. Workstand. 2,627,109, Feb. 3.
Borberg, Willy, North White Plains, N. Y., assignor to International Projector Corporation, Bloomfield, N. J. Winding take-up mechanism. 2,627,381, Feb. 3.
Borg-Warner Corporation, assignee: See—
Koppel, Ernst R., and Walters.
Lauck, John A.
Bork, William F., San Diego, Calif. Detachable can spout. 2,627,367, Feb. 3.
Borup, Frederik J., Stratford, Conn. Automatic lock. 2,627,435, Feb. 3.
Borton, Boyd T., Riviera Beach, Fla. Toilet paper roll holder. 2,627,382, Feb. 3.
Böttcher, Paul, Hamburg-Grossottbek, Germany. Differential gear for motor-driven vehicles. 2,627,190, Feb. 3.
Boyle, Harry A., Brooklyn, N. Y. Elastic belt structure. 2,627,093, Feb. 3.
Bramhall, George H., Cleveland, and J. P. Hunter, Eastlake, Ohio, assignors to General Electric Company. Transmission belt. 2,627,185, Feb. 3.
Brassett, H. A. & Company, assignee: See—
Westling, Carl J.
Brastad, William A., Minneapolis, Minn., assignor to General Mills, Inc. Shield and guide for magnetic recorder-reproducer heads. 2,627,557, Feb. 3.
Breen, Lloyd S., New Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company. Ball retainer. 2,627,409, Feb. 3.
Brennan, Joseph B., Cleveland, Ohio. Condenser with supplemental sealing member therein. 2,627,538, Feb. 3.
Brice, George E., assignor to Swift & Company, Chicago, Ill. Bacon canning. 2,627,473, Feb. 3.
Brody, David, assor. to Van Brode Milling Co., Inc., Clinton, Mass. Dispenser for liquids and pulverulent. 2,627,363, Feb. 3.
Bromley, Frank, Swarthmore, Pa., assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Textile printing roll. 2,627,228, Feb. 3.
Bronson, Robert U., Eugene, Oreg. Game apparatus. 2,627,412, Feb. 3.
Browder, Jay E., Garden City, and V. J. Young, Jamaica, N. Y., assignors to The Sperry Corporation. Phase shift system. 2,627,598, Feb. 3.
Brown, Frank K.: See—
Jeney, George E., Jr., Philpard, and Brown.
Brown, Kenneth R.: See—
Bewick, Howard L., and Brown.
Brown, Paul, Walpole, N. H., assignor to Packaging Materials Corp. Corrugated paper. 2,627,484, Feb. 3.
Brown, Roy W., Brandon, Manitoba, Canada. Convertible nursery furniture. 2,627,298, Feb. 3.
Brubaker, John A., assignor to Houghton Elevator Company, Toledo, Ohio. Hydraulic safety device for screw elevators. 2,627,321, Feb. 3.
Bruce, William F.: See—
Szabo, Joseph L., and Bruce.
Brumagin, Ivan S., Warren, Pa. Agitator drive assembly. 2,627,171, Feb. 3.
Brunswick-Balke-Collender Company, The, assignee: See—
Breen, Lloyd S.
Bryant, Austin U., Berkeley, Calif., assignor, by mesne assignments, to M & J Engineering Co. Fluid pressure operated positioning apparatus for motor valves. 2,627,249, Feb. 3.
Bulckerood, Theodore A., El Cerrito, Calif. Adapter for faucets. 2,627,387, Feb. 3.
Bundy, Francis P.: See—
Strong, Herbert M., and Bundy.
Burgess Battery Company, assignee: See—
Arbogast, Ray D.
Wilke, Milton E.
Burke, Hyran E.: See—
Bartlam, Thomas C., Burke, and Wlaer and Engstrom.
Burrroughs & Watts (Canada) Limited, assignee: See—
Acland, Edward H.
Burrroughs Adding Machine Company, assignee: See—
Butler, Thomas M.
Butler, Thomas M., assignor to Burrroughs Adding Machine Company, Detroit, Mich. Front-feed paper carriage construction for accounting and the like machines. 2,627,333, Feb. 3.
Bychinsky, Wilfred A.: See—
McDonnell, Taine G., Pierce, and Bychinsky.
C & D Batteries, Inc., assignee: See—
Jensen, Henry E.
California Research Corporation, assignee: See—
Lum, Funston G.
Callahan, Thomas F.: See—
White, Frank G., and Callahan.
Cangialosi, Livio A., Brooklyn, N. Y. Drafting instrument. 2,627,116, Feb. 3.
Carter, Hazel, administratrix: See—
Carter, Raymond.
Carter, Raymond, deceased, Wyoming, Ill.; H. and R. H. Carter, administrators of the Estate of R. Carter. Cutting bar for mowing machines. 2,627,156, Feb. 3.
Carter, Raymond H., administrator: See—
Carter, Raymond.
Case, J. L., Company, assignee: See—
Russell, Stanley D.
Cataldo, John B., Bernardville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Two-wire sequence relay. 2,627,562, Feb. 3.
Celanese Corporation of America, assignee: See—
White, Blanche B., and Blackman.

Censer, Carl W.: See—
Toncray, Millard H., Nyquist, and Censer.
Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Door-knob spindle securing means. 2,627,436, Feb. 3.
Challenge Machinery Company, The, assignee: See—
Barney, Freeman.
Chaplin, Almon J., Oberlin, assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Landing gear for trailer vehicles. 2,627,424, Feb. 3.
Chaplin, Allen L.: See—
Greenwood, Ivan A., Jr., Ziebold, and Chaplin.
Chaplin Corporation, assignee: See—
Chaplin, Merle P.
Chaplin, Merle P., Portland, assignor to Chaplin Corporation, South Portland, Maine. Machine for preasing pulp articles. 2,627,211, Feb. 3.
Chapman, Edward L., assignee: See—
Statia, Edwin V., Sr.
Chappell, Walter L.: See—
Crookston, Robert R., and Chappell.
Charleston, Donald, Chicago, Ill. Fluorescently illuminated lamp shade structure with angularly adjustable panels. 2,627,131, Feb. 3.
Cheney, Vao L., San Leandro, and M. E. Toby, San Francisco, assignors to Chip Steak Company, Oakland, Calif. Package forming and sealing machine. 2,627,150, Feb. 3.
Chip Steak Company, assignee: See—
Cheney, Vao L., and Toby.
Christian, Rodney E.: See—
Lange, Harry B., and Christian.
Claggett, Albert D., Denver, and D. M. Miller, Hugo, Colo.; said Claggett assor. to said Miller. Rubber stamp pencil combination. 2,627,227, Feb. 3.
Clark, Harold L., Belmont, Mass. Dental mouth mirror. 2,627,208, Feb. 3.
Clark, James K., New Hartford, N. Y., assignor to The Partlow Corporation. Nozzle burner. 2,627,308, Feb. 3.
Clark, Richard B., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,627,583, Feb. 3.
Cleveland Instrument Company, assignee: See—
Graham, Erwin W.
Cochrane Corporation, assignee: See—
Rasek, Joseph.
Comer, John F., Mechanicville, N. Y. Lever hose sand valve. 2,627,282, Feb. 3.
Commercial Solvents Corporation, assignee: See—
Keko, Wilbur L., Bennett and Arsberger.
Connolly, Gerald C., Elizabeth, and D. L. Cottle, Highland Park, N. J., assignors to Standard Oil Development Company. Oxidation of olefins to alkenals. 2,627,527, Feb. 3.
Connor, Roger, and H. E. Hooe, assignor to The McBee Company, Athens, Ohio. Apparatus and method of cutting adhesive material and mounting the same upon a card. 2,627,212, Feb. 3.
Cook, Frank, Anaheim, Calif. Drawer guide. 2,627,447, Feb. 3.
Coonrad, Harry L., Woodbury, B. W. Rope, Mallica Hill, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Fluorine-containing lubricant. 2,627,528, Feb. 3.
Coover, Harry W., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Epoxy alkane phosphonates. 2,627,321, Feb. 3.
Copeman Laboratories Company, assignee: See—
Copeman, Lloyd G.
Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Tractor hitch. 2,627,423, Feb. 3.
Cordia, Nat., Bassett, Wis. Feeding apparatus. 2,627,330, Feb. 3.
Corn Products Refining Company, assignee: See—
Benjamin, Donald G., and Kapranos.
Cottle, Delmer L.: See—
Connolly, Gerald C., and Cottle.
Cox, Eber L., Akron, and N. H. Nye, Cuyahoga Falls, Ohio. Lapidary drill. 2,627,261, Feb. 3.
Craig, Ralph W., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Fire-retardant paint. 2,627,475, Feb. 3.
Crane Packing Company, assignee: See—
Roshong, Raymond G.
Creager, Donald L.: See—
Swarts, Noah A., and Creager.
Crofoot, Clarence E.: See—
Shuler, Sanford A., Jr., and Crofoot.
Crompton & Knowles Loom Works, assignee: See—
Kronoff, Clarence R., and Krukonia.
Krukonia, Alexander C., and Wakefield.
Wakefield, Walter H.
Crookston, Robert R., and W. L. Chappell, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hoisting device. 2,627,391, Feb. 3.
Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combustion engine pressure control apparatus. 2,627,370, Feb. 3.
Cunningham, George L., Cincinnati, Ohio, assignor to Scientific Design Company, Inc., New York, N. Y. Preparation of lithium chloride from spodumene. 2,627,452, Feb. 3.
Curtis, Helene, Industries, Inc., assignee: See—
Grant, Samuel.
Cusick, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted 10-phenothiazine-carboxamides. 2,627,517, Feb. 3.
Dan River Mills, Incorporated, assignee: See—
Jennings, Harley Y.
D'Ardenne, Walter H.: See—
Green, Samuel G., D'Ardenne, Melnel, and Devore.
Dauben, Hypp J., Jr.: See—
Bartlett, Paul D., Dauben, and Schneider.
Davidson, Franklin A., Statesville, N. C. Body supported easel. 2,627,139, Feb. 3.
Davis, Francis W., Belmont, Mass. Power steering gear. 2,627,187, Feb. 3.
Davison Chemical Corporation, The, assignee: See—
Goodwin, Manfred E., and Simpson.
De Juhasz, Kalman J., State College, Pa., assignor to The Texas Company, New York, N. Y. Fuel injection nozzle. 2,627,254, Feb. 3.
Deputy, Marshall P., Council Bluffs, Iowa, assignor to Uni-Drive Corporation, Omaha, Nebr. Plural power feed and brake operating mechanism for motor vehicles. 2,627,329, Feb. 3.
De Vane, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Cement manufacture. 2,627,399, Feb. 3.
Devore, Weber: See—
Green, Samuel G., D'Ardenne, Melnel, and Devore.
Diamond Alkali Company, assignee: See—
Craig, Ralph W.
Diamond, Hymeh, assignee: See—
Klein, Howard F.
Dickinson, Calvin L.: See—
Grondal, Bror L., and Dickinson.
Dietrich, Paul, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Plate cylinder for rotary printing machines. 2,627,229, Feb. 3.
Dolgaclius, Simonas, Chicago, Ill. Dropped gun stock for automatic guns. 2,627,132, Feb. 3.
Dowd, Laurence E., assignor to Transparent Package Company, Chicago, Ill. Packaging material. 2,627,471, Feb. 3.
Dowd, Laurence E., assignor to Transparent Package Company, Chicago, Ill. Packaging material and making. 2,627,483, Feb. 3.
Downey, William F., assignor to Hercules Powder Company, Wilmington, Del. Higher alkyl ketene dimer emulsion. 2,627,477, Feb. 3.
Doyle, Frank B., Raymond, Ill., assignor to Guardite Corporation. Puffing gun. 2,627,221, Feb. 3.
Drake, Nathan L., College Heights, Md., W. J. Shenk, Cleveland, Ohio, and C. M. Eaker, Afton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,627,487, Feb. 3.
Drake, Nathan L., College Heights, Md., and S. Melamed, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,627,489, Feb. 3.
Du Brow, Paul L., Chicago, and J. Harwood, Western Springs, assignors to Armour and Company, Chicago, Ill. Preparation of unsymmetrical secondary amines. 2,627,526, Feb. 3.
Dugan, James N., Cincinnati, Ohio. Awning structure. 2,627,309, Feb. 3.
du Pont, E. I., de Nemours & Company, assignee: See—
Atles, Francis P., and Saner.
Eaker, Charles M.: See—
Drake, Nathan L., Shenk, and Eaker.
Earle, Edwin L., and R. P. Arthur, Chicago, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company, Crossbar system switchboard construction. 2,627,554, Feb. 3.
Eastman Kodak Company, assignee: See—
Coover, Harry W., Jr.
Easy Washing Machine Corporation, assignee: See—
Landwiler, William G.
Scheele, Charles C.
Eck, Floyd R., Des Plaines, assignor to Admiral Corporation, Chicago, Ill. Solenoid. 2,627,544, Feb. 3.
Edwards, Jones B., Charlotte, N. C. Precalculation selector. 2,627,373, Feb. 3.
Eggleton, Cecil E., assignor to Gilt-O-Ring, Inc., Minneapolis, Minn. Jewelry cleaner. 2,627,276, Feb. 3.
Eitel, Jay M., Los Altos, Calif. Control mechanism for electrically driven apparatus. 2,627,560, Feb. 3.
Electro Voice, Incorporated, assignee: See—
Wiggins, Alpha M.
Ellot, Samuel, Newton, Mass. Tool with extension spaced from head. 2,627,078, Feb. 3.
Elliott, Richard L., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electronic tube base and the like. 2,627,536, Feb. 3.
Ellis, Robert, Bronx, N. Y. Flexible magnetic closure. 2,627,097, Feb. 3.
Ellis, Sidney G., Princeton, N. J., assignor to Radio Corporation of America. Focusing of electron optical apparatus. 2,627,589, Feb. 3.
Elmer, Antone D., assignee: See—
Anderson, Edwin F.

Elmer, Florence G., assignee: See—
Anderson, Edwin F.
Emmett, John, assignee: See—
Emmett, Thomas D.
Emmett, Sophia, assignee: See—
Emmett, Thomas D.
Emmett, Thomas D., Knoxville, assignor of fifteen per cent to S. Emmett, fifteen per cent to T. Emmett, Jr., and fifteen per cent to J. Emmett, Fountain City, Tenn. Cement finishing knee board. 2,627,301, Feb. 3.
Emmett, Tom, Jr., assignee: See—
Emmett, Thomas D.
Engelman, Herman C., Staten Island, N. Y., assignor to Pausin Manufacturing Company, Inc., Newark, N. J. Coupling means for detachably joining pipes. 2,627,429, Feb. 3.
Engstrom, Vincent C.: See—
Hartlam, Thomas C., Burke, and Wiser and Engstrom.
Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Attachment for making stitched dams. 2,627,239, Feb. 3.
Erenberg, David, assignee: See—
Mittemacher, Lewis E.
Erickson, Charles E., Buffalo, and G. H. Wagner, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, Disproportionation of silane derivatives. 2,627,451, Feb. 3.
Erickson, Eric A., Plaloville, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,627,564, Feb. 3.
Erie Mining Company, assignee: See—
De Vane, Fred D.
Espley, Dennis C.: See—
Levy, Maurice M., and Espley.
Eskal, Orland E., Huntington, N. Y., assignor to The Sperry Corporation. Flight control apparatus. 2,627,384, Feb. 3.
Eurell, Thomas J., II, assignee: See—
Reed, Maurice J.
Fabling, Willard E.: See—
Fink, Herbert H., and Fabling.
Faelten, Carl R., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Moisture resistant compositions of resins and fibrous fillers. 2,627,297, Feb. 3.
Farnell, George: See—
Anderson, James H., and Farnell.
Fasile, William G., Owings Mills, Md., assignor to Leeds and Northrup Company, Philadelphia, Pa. Ambient-temperature compensated device. 2,627,530, Feb. 3.
Feasley, Charles F., and W. A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Pyrolysis of difluoromonoethane. 2,627,529, Feb. 3.
Feddars-Gulgan Corporation, assignee: See—
Przyborowski, Stanislaus.
Feluberg, Sidney, assignee: See—
Lewis, Jean L.
Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio repeater having a pulse regenerator. 2,627,574, Feb. 3.
Fengler, Werner H., Dearborn, Mich. Turbine type hydraulic torque converter. 2,627,165, Feb. 3.
Finegan, Carl R., Elvira, Ohio. Instructional voting machine. 2,627,125, Feb. 3.
Fink, Dale F., Wood River, R. A. Greger, Edwardsville, and F. R. Alaberg, East Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Oxidizing asphalt. 2,627,498, Feb. 3.
Fink, Herbert H., and W. E. Fabling, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Hollow article. 2,627,360, Feb. 3.
Firestone Tire & Rubber Company, The, assignee: See—
Secret, William J.
Spencer, George A.
Firth Sterling Steel & Carbide Corporation, assignee: See—
Kear, William J.
Fitzgerald, James F., New York, N. Y. Fish lure. 2,627,134, Feb. 3.
Fletcher, Dennis H., Magrath, Alberta, Canada. Shaving apparatus for rotating ice blocks. 2,627,377, Feb. 3.
Fokelson, Benjamin H., assignee: See—
Lewis, Jean L.
Forsyth, Albert E., Britannia Bay, Ontario, Canada. Cushioning device. 2,627,077, Feb. 3.
Forsyth, Albert E., Britannia Bay, Ontario, Canada. Pneumatic seat cushion. 2,627,302, Feb. 3.
Forsyth, Albert E., Britannia Bay, Ontario, Canada. Vehicle suspension device. 2,627,403, Feb. 3.
Frampton, Orville D.: See—
Noll, Robert A., and Frampton.
France, Olive G., Kent, Ohio. Disposable foot slipper. 2,627,126, Feb. 3.
Franklin, Charles J., Rochester, N. Y. Artificial bait. 2,627,135, Feb. 3.
Friedman, Joseph S., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Indophenazines as catalysts in dye bleach baths for color photography. 2,627,461, Feb. 3.
Frigstad, Rudolph S., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Conformable abrasive-coated sheet material. 2,627,145, Feb. 3.
Frisch, Abraham H., and A. Silverberg, New York, N. Y. Method and means for producing and recording simple and composite notes or tones. 2,627,413, Feb. 3.
Frommelt, Cyril P.: See—
Frommelt, Horace A. and C. P., and Phillips.
Frommelt, Horace A., Milwaukee, Wis., C. P. Frommelt, Dubuque, Iowa, and R. A. Phillips, Pittsburgh, Pa. Heat-resistant garment. 2,627,072, Feb. 3.
Fry, Lloyd A., Roofing Company, assignee: See—
Stencel, Felix.
Gabler, Josef, Zurich, Switzerland. Cream box. 2,627,365, Feb. 3.
Gallagher, Richard L., Erie, Pa., assignor to Victor Saff & Equipment Company, Inc., North Tonawanda, N. Y. Letter tray. 2,627,343, Feb. 3.
Ganta, Emmett J., Burlington, Iowa. Ratchet wrench. 2,627,330, Feb. 3.
Gardner, William C., Niagara Falls, assignor to Mathieson Chemical Corporation, New York, N. Y. Apparatus for electrolysis of alkali metal compounds. 2,627,501, Feb. 3.
Gaubatz, Arthur W., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Crank arm adjustable in length and angular position. 2,627,188, Feb. 3.
Gedris, Stanley J., Grand Rapids, Mich. Flask holder for foundry molding machines. 2,627,335, Feb. 3.
Gemex Company, assignee: See—
Prestinari, Eugen F.
General Aniline & Film Corporation, assignee: See—
Friedman, Joseph S.
General Electric Company, assignee: See—
Becker, Howard I.
Bramhall, George H., and Hunter.
Erickson, Eric A.
Glick, Sylvan G.
Grimshaw, Charles S.
Gurewitsch, Anatole M.
Hall, Chester I.
Hickey, John S., Jr.
Hieble, Michael E., and Morse.
Hutton, Ernest W., and Locke.
Johansson, August V.
Knight, Chester R.
Martin, George C., and Sears.
Netzel, Philip C.
Rich, Theodore A.
Schultz, Howard A.
Sear, Arthur W.
Shell, Ernest F.
Strong, Herbert M., and Bundy.
Taylor, Harry B., and Watts.
Thomas, William A.
Vonnegut, Bernard.
General Electric Company, Limited, The, assignee: See—
Levy, Maurice M., and Espley.
General Mills, Inc., assignee: See—
Brastad, William A.
General Motors Corporation, assignee: See—
Gaubatz, Arthur W.
Harada, Henry H.
McDougal, Taine G., Pierce, and Bychinsky.
Wood, John G., and Jackson.
General Precision Laboratory Incorporated, assignee: See—
Greenwood, Ivan A., Jr., Ziebolds, and Chaplin.
Gisholt Machine Company, assignee: See—
Lelifer, Lorenz A., and Johnson.
Gladding, McBean & Co., assignee: See—
Le Clercq, Leon J.
Glass, Antonina S., assignee: See—
Glass, George B.
Glass, George B., assignor to A. S. Glass, New York, N. Y. Self-propelled automatic syringe. 2,627,270, Feb. 3.
Glick, Sylvan G., Schenectady, N. Y., assignor to General Electric Company. Liquid level regulating apparatus. 2,627,366, Feb. 3.
Gilt-O-Ring, Inc., assignee: See—
Eggleston, Cecil E.
Globe-Wernicke Co., The, assignee: See—
Thomson, Ernest F.
Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Color phasing system. 2,627,548, Feb. 3.
Gooding, Chester M.: See—
Melnick, Daniel, Gooding, and Vahlteich.
Vahlteich, Hans W., Gooding, and Melnick.
Gooding, Chester M., Staten Island, assignor to The Best Foods, Inc., New York, N. Y. Soybean oil and producing the same. 2,627,467, Feb. 3.
Goodman Manufacturing Company, assignee: See—
Biedesa, Anthony E.
Goodrich, R. F., Company, The, assignee: See—
Fink, Herbert H., and Fabling.
Goodwin, George I., Birmingham, Mich. Clutch plate. 2,627,332, Feb. 3.
Goodwin, Manfred E., and E. A. Simpson, assignors to The Davison Chemical Corporation, Baltimore, Md. Relative humidity indicator. 2,627,508, Feb. 3.
Gorman, Andrew T., Pitscairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,627,441, Feb. 3.

Gottschalk, Winston M., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave energy amplifier. 2,627,586, Feb. 3.
Graham, Edwin W., Marina Heights, Ohio, assignor to Cleveland Instrument Company. Electromagnetic pickup for gauging devices. 2,627,119, Feb. 3.
Grant, Samuel, assignor to Helene Curtis Industries, Inc., Chicago, Ill. Hair testing device. 2,627,179, Feb. 3.
Green, Samuel G., Alexandria, Va., W. H. D'Ardenne, Jenkintown Manor, W. J. Melnel, Huntington Valley, and W. Devore, Horsham Township, Montgomery County, assignors, to Helata Manufacturing Company, Philadelphia, Pa. Mobile carriage for tripod gun mounts. 2,627,209, Feb. 3.
Greenwood, Ivan A., Jr., Pleasantville, N. Y., H. Ziebolds, Chicago, Ill., and A. L. Chaplin, Oreland, Pa., assignors to General Precision Laboratory Incorporated. Pressure translator. 2,627,183, Feb. 3.
Greger, Robert A.: See—
Fink, Dale F., Greger, and Alaberg.
Griffin, Linden C.: See—
Nelson, Willis N., and Griffin.
Grimshaw, Charles S., Erie, Pa., assignor to General Electric Company. Refrigerator control. 2,627,561, Feb. 3.
Gronman, Edward M.: See—
Legere, John, and Gronman.
Gronal, Bror L., Seattle, and C. L. Dickinson, assignors to Weyerhaeuser Timber Company, Longview, Wash. Separation of bark components. 2,627,375, Feb. 3.
Grossman, Abraham, Van Nuys, Calif. Sliding closure and suspension system therefor. 2,627,092, Feb. 3.
Guardite Corporation, assignee: See—
Doyle, Frank B.
Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Resonator structure. 2,627,552, Feb. 3.
Hainke, Oscar T., and C. E. Lleurance, Enid, Okla. Protecting hood for implement drivers. 2,627,217, Feb. 3.
Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Thermosensitive resistance element containing eutectic mixtures. 2,627,570, Feb. 3.
Hall, Hughes: See—
Smith, Daniel W., and Hall.
Hallenbeck, Thomas L., assignor to Baker Brothers, Inc., Toledo, Ohio. Molding machine. 2,627,086, Feb. 3.
Halpern, Ernst, St. Louis, Mo. Rotary pump and turbine hydraulic coupling. 2,627,164, Feb. 3.
Haney, Thomas G., assignor to National Pressure Cooker Company, Eau Claire, Wis. Case for condition indicating device. 2,627,312, Feb. 3.
Harada, Henry H., Grand Blanc, assignor to General Motors Corporation, Detroit, Mich. Speed cup bias spring. 2,627,401, Feb. 3.
Hardinge Brothers, Inc., assignee: See—
Strom, David W.
Hardy, Edgar E., Anubston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Dielectric containing halogenated aromatic hydrocarbon and mono ortho tolyl biguanide as corrosion inhibitor. 2,627,504, Feb. 3.
Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Automatic carton closing machine. 2,627,152, Feb. 3.
Harwood, James: See—
Du Brow, Paul L., and Harwood.
Haughton Elevator Company, assignee: See—
Brubaker, John A.
Hayes, Robert R., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Co. Electric motor frame having coolant system incorporated therein. 2,627,582, Feb. 3.
Hayward, John T., and P. A. Wolff, Tulsa, Okla. Liquid level rate of change indicating device. 2,627,178, Feb. 3.
Helata Manufacturing Company, assignee: See—
Green, Samuel G., D'Ardenne, Melnel, and Devore.
Heller, Edward J., West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Yarn treating method. 2,627,480, Feb. 3.
Heller, Franz: See—
Huck, William F., Heller, and Albrecht.
Helsten, Wesley A., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,627,325, Feb. 3.
Hendrix, Hushel V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Bubble cap assembly for fractionating apparatus. 2,627,397, Feb. 3.
Hendry, James W., Bay City, Mich. Stroke control for ram-type molding machines. 2,627,087, Feb. 3.
Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Thread advancing reel. 2,627,102, Feb. 3.
Hepburn, William M., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Combustion apparatus using preheated air. 2,627,398, Feb. 3.
Hercules Powder Company, assignee: See—
Downey, William F.
Herigstad, Gust J., Mohall, N. Dak. Signal for grain boxes of threshers and combines. 2,627,244, Feb. 3.
Herndon, Lyle K., Columbus, Ohio, assignor to Mathieson Chemical Corporation. Magnesium oxychloride cement manufacture. 2,627,478, Feb. 3.
Hess, Alexander M., New York, N. Y. Pleating. 2,627,310, Feb. 3.
Hessert, Raymond M., Larchmont, N. Y. Document photographing machine. 2,627,203, Feb. 3.
Hettinger, Henry C., Chicago, Ill. Well point core. 2,627,315, Feb. 3.
Hickey, John S., Jr., Scotia, N. Y., assignor to General Electric Company. Bonding nickel structures. 2,627,110, Feb. 3.
Hieger, Robert H., Detroit, Mich. Carburetor, economizer mechanism. 2,627,279, Feb. 3.
Hieble, Michael E., Syracuse, and P. W. Morse, Elmhurst, N. Y., assignors to General Electric Company. Choke joint high-frequency heater. 2,627,571, Feb. 3.
Hirsch, Harry, New York, N. Y. Two-way stretch fabric. 2,627,173, Feb. 3.
Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Securing a tensioned wire around cores. 2,627,378, Feb. 3.
Hlatko, George, and M. L. Battle Creek, Mich. Resilient retractable load carrying assembly. 2,627,405, Feb. 3.
Hlatko, Marshall L.: See—
Hlatko, George, and M. L.
Hock, Alvin, Cincinnati, Ohio. Strainer. 2,627,349, Feb. 3.
Hoe, R. & Co., Inc., assignee: See—
Huck, William F., Heller, and Albrecht.
Hokanson, Evert C.: See—
Bock, George E., Roberts, and Hokanson.
Hollymade Hardware Manufacturing Company, assignee: See—
Coff, Robert C., Jr.
Holmes, Louis D., Blue Island, assignor to Whiting Corporation, Harvey, Ill. Apparatus adapted to wash the roofs of railway and like vehicles, and embodying a vertically swinging brush-carrying frame. 2,627,080, Feb. 3.
Holt, Horace A., Kent, England. Tie and garment press. 2,627,129, Feb. 3.
Hooe, Hunter E.: See—
Connor, Roger, and Hooe.
Hook, Edwin O., New Canaan, and L. C. Beegle, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. 8-(sulfurized terpene hydrocarbon)dithiophosphoric acid triesters and producing the same. 2,627,523, Feb. 3.
Horton, Edgar, Braintree, assignor to Raytheon Manufacturing Company, Newton, Mass. Stylus holder. 2,627,448, Feb. 3.
Hotchkiss, Sidney E., Pontiac, Mich., assignor to The Timken Roller Bearing Company, Canton, Ohio. Spacer gauge for adjustable roller bearings. 2,627,120, Feb. 3.
Howard, Graham W., Fort Collins, Colo. Crossrow plant blocking machine. 2,627,216, Feb. 3.
Howarth, Walter J., Trenton, N. J., assignor to Radio Corporation of America. Saw-tooth wave generator. 2,627,576, Feb. 3.
Huber, Ralph L., Seattle, Wash. System for the photographing and showing of stereoscopic motion pictures. 2,627,200, Feb. 3.
Huck, William F., Forest Hills, F. Heller, Mount Vernon, N. Y., and A. J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Blanket tensioning means. 2,627,230, Feb. 3.
Hudson Motor Car Company, assignee: See—
Toncray, Millard H., Nyquist, and Censer.
Toncray, Millard H., and Spring.
Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of metal oxide gel catalysts. 2,627,506, Feb. 3.
Hunter, James P.: See—
Bramhall, George H., and Hunter.
Hunter, Lloyd P.: See—
Muss, Daniel R., and Hunter.
Hutton, Ernest W., Scotia, and B. C. Locke, Pattersonville, N. Y., assignors to General Electric Company. Motor control system for regulating tension. 2,627,592, Feb. 3.
Illinois Railway Equipment Company, assignee: See—
Johnson, Malcolm S.
Illinois Testing Laboratories, Inc., assignee: See—
Obermayer, Alfred A.
Inflico Incorporated, assignee: See—
Adelson, Samuel L.
Ingersoll-Rand Company, assignee: See—
Anderson, James H., and Farnell.
Institutum Divi Thomae Foundation, assignee: See—
Spertl, George S.
International Business Machines Corporation, assignee: See—
Johnson, Reynold B.
International Projector Corporation, assignee: See—
Harberg, Willy.
Iron Fireman Manufacturing Company, assignee: See—
Wright, Richard C.
Isella, John J., North Haven, and P. F. Pabst, New Haven, Conn. Auxiliary tray supporting device. 2,627,354, Feb. 3.
Jackson, Andrew V.: See—
Wood, John G., and Jackson.
Jackson, Carter E., deceased, Evanaville, Ind.: S. Jackson, administratrix. Fender straightening machine. 2,627,295, Feb. 3.
Jackson, Sallie, administratrix: See—
Jackson, Carter E.

Jantzen, William L., White Plains, assignor, by mesne assignments, to R. Weber, New York, N. Y. Garment shoulder pads, method and machine for making same, 2,627,368, Feb. 3.

Jefferson Chemical Company, Inc., assignee: See—
Malkemus, John D.

Jelks, Tom, Chickasha, Okla. Form for progressively molding concrete walls, 2,627,100, Feb. 3.

Jennery, George E., Jr., North Dartmouth, H. F. Phippard, Jr., and F. K. Brown, South Dartmouth, assignors to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Making driver bits, 2,627,192, Feb. 3.

Jennings, Harley Y., assignor to Dan River Mills, Incorporated, Danville, Va. Treating yarn, thread, and the like, 2,627,103, Feb. 3.

Jensen, Henry E., Norristown, assignor to C & D Batteries, Inc., Conshohocken, Pa. Battery terminal post mounting, 2,627,333, Feb. 3.

Jet-Heat, Inc., assignee: See—
MacCracken, Calvin D.

Johansson, August V., Erie, Pa., assignor to General Electric Company. Dynamic braking control system, 2,627,597, Feb. 3.

Johnson, Andrew G., Lakewood, and T. A. St. Clair, East Cleveland, assignors to The Weatherhead Company, Cleveland, Ohio. Transfer check valve, 2,627,388, Feb. 3.

Johnson, Charles H.: See—
Leifer, Lorenz A., and Johnson.

Johnson & Johnson, assignee: See—
Morgan, Hurton D.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Draft key retainer locking device, 2,627,198, Feb. 3.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brakehead wear plate retainer, 2,627,326, Feb. 3.

Johnson, Ralph E., Mountaineer, and C. A. Keasler, Plainfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machines, 2,627,240, Feb. 3.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Mechanical pencil with lead advancing means, 2,627,246, Feb. 3.

Jones, Allen R., Roselle, and J. O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Antioxidant for petroleum products, 2,627,311, Feb. 3.

Jones, Arthur H., Detroit, Mich. Vertical trouser pressing machine, 2,627,128, Feb. 3.

Jones, John T., Long Beach, Calif. Cocktail ingredient measuring device, 2,627,184, Feb. 3.

Jones & Lamson Machine Company, assignee: See—
Malro, Edward J.

Judson Dunaway Corporation, assignee: See—
Whelan, James P.

Junker, Christ, Kintyre, N. Dak. Endless tread traction attachment for vehicles, 2,627,442, Feb. 3.

K. C. Fire Nozzle & Equipment Co., assignee: See—
Wornall, Francis.

Kajiyama, Hiroki, Kure City, Hiroshima-Ken, Japan. Tempering apparatus for making band saws or the like, 2,627,572, Feb. 3.

Kapranos, Spiro W.: See—
Benjamin, Donald G., and Kapranos.

Karp, Harry, Atlantic Beach, N. Y. Bathroom fixture, 2,627,074, Feb. 3.

Kass, Samuel M., Philadelphia, Pa. Window construction, 2,627,091, Feb. 3.

Katz, Stanley S., Union, N. J. Air conditioning unit for automotive vehicles, 2,627,218, Feb. 3.

Kaufman, Clarence, Butler, Mo. Engine valve oiling mechanism, 2,627,310, Feb. 3.

Kaufmann Corporation, The, assignee: See—
Kaufmann, Harry A.

Kaufmann, Harry A., assignor to The Kaufmann Corporation, Detroit, Mich. Screen frame construction intended primarily for shade screens, 2,627,311, Feb. 3.

Kear, William J., assignor to Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Clamping device, 2,627,210, Feb. 3.

Kehetian, Kasper, Detroit, Mich. Making prepared sprouted wheat cereal, 2,627,464, Feb. 3.

Keko, Wilbur L., R. E. Bennett, and F. C. Arnsberger, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of bacitracin, 2,627,494, Feb. 3.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Band width reducing system and method, 2,627,549, Feb. 3.

Keller Tool Company, assignee: See—
Shaff, Ernest H.

Kellogg Switchboard and Supply Company, assignee: See—
Earle, Edwin L., and Arthur.

Kelvin & Hughes Limited, assignee: See—
Barnes, Jeffery W.

Kerley, Bernard J., Jr., Pecos, Tex. Pelletizing process, 2,627,457, Feb. 3.

Kerr Manufacturing Company, assignee: See—
Lange, Harry B., and Christian.

Keasler, Charles A.: See—
Johnson, Ralph E., and Keasler.

Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor speedometer, 2,627,181, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Boat balling attachment for outboard motors, 2,627,242, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Two-cycle engine and operating the same, 2,627,255, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Cylinder block for internal-combustion engine cooling, 2,627,256, Feb. 3.

Kimball A., Company, assignee: See—
Wilmington, Joseph.

Kimball, Vernon R., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dial and pointer assembly for indicators, 2,627,245, Feb. 3.

Kimberlin, Charles N., Jr.: See—
Hunter, Edward A., and Kimberlin.

King-Seely Corporation, assignee: See—
Bell, Rupert B.

Kirkpatrick, Willard H., Sugar Land, Tex., and E. T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Blown tall oil reaction products, 2,627,514, Feb. 3.

Kivlumma, Katherine, Elmhurst, Ill. Hair curler, 2,627,275, Feb. 3.

Klein, Howard F., assignor of twenty-five per cent to H. Diamond, Pittsburgh, Pa. Wheel assembly, 2,627,440, Feb. 3.

Klein, Norman E., Clemson, S. C., assignor to the United States of America as represented by the Secretary of the Navy. Tunable high-frequency oscillator, 2,627,578, Feb. 3.

Kludt, Jonathan, Overland, and H. Parks, assignors to Lincoln Engineering Company, St. Louis, Mo. Apparatus for assembling threaded parts, 2,627,108, Feb. 3.

Knight, Chester R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic scanning amplifier circuit, 2,627,588, Feb. 3.

Kocher, Earl T.: See—
Kirkpatrick, Willard H., and Kocher.

Koehring Company, assignee: See—
Poulter, John W.

Koffler, Samuel, Brooklyn, N. Y. Air duct, 2,627,430, Feb. 3.

Kohler, Hans W., Washington, D. C. Cathode-ray tube, 2,627,587, Feb. 3.

Koppel, Ernst R., and W. J. Walters, assignors to Borg-Warner Corporation, Chicago, Ill. Conveyor and shifter guide mechanism, 2,627,334, Feb. 3.

Koski, Hans A., Wolf Creek, Mont. Animal trap, 2,627,137, Feb. 3.

Koulomaine, Theodore, Val d'Or, Quebec, Canada. Magnetometer, 2,627,542, Feb. 3.

Kraemer, Fritz, Huntville, Ala., assignor to the United States of America as represented by the Secretary of the Army. Body for rockets and rocketlike vehicles, 2,627,231, Feb. 3.

Kragness, Harold, Canby, Minn. Measuring tape, 2,627,117, Feb. 3.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic distillation of shale, 2,627,490, Feb. 3.

Krebs, Robert W., Baton Rouge, La., and W. K. Lewis, Jr., East Orange, N. J., assignors to Standard Oil Development Company. Method and apparatus for carrying out exothermic catalytic reactions, 2,627,522, Feb. 3.

Kronoff, Clarence R., Worcester, and A. C. Krukons, Auburn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Revolving and resetting mechanism for web replenishing looms, 2,627,284, Feb. 3.

Kronwall, Konstantin, Winnetka, assignor to United Drill and Tool Corporation, Chicago, Ill. Auger bit, 2,627,292, Feb. 3.

Krukons, Alexander C.: See—
Kronoff, Clarence R., and Krukons.

Krukons, Alexander C., Auburn, and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Web replenishing loom, 2,627,285, Feb. 3.

Kuhn, Joseph M., Haddonfield, N. J., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Pad dyeing composition, 2,627,507, Feb. 3.

Kwik-tite, Incorporated, assignee: See—
Stonestreet, Lois H.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic film unit having a frangible fluid container therein, 2,627,459, Feb. 3.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Sealed photographic film unit containing a liquid, 2,627,460, Feb. 3.

Landwiler, William G., Fayetteville, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Panel securing mechanism, 2,627,352, Feb. 3.

Lange, Harry B., Detroit, and R. E. Christian, Dearborn, assignors to Kerr Manufacturing Company, Detroit, Mich. Liquid fuel blowtorch with elastic air supply jacket, 2,627,304, Feb. 3.

Lanzing, William C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogenolysis process for the production of a good quality gas oil and gasoline from a heavy residuum hydrocarbon oil, 2,627,495, Feb. 3.

La Rock, Alfred, Belleville, N. J. Plumb line holder, 2,627,124, Feb. 3.

Larson, Carl O., Seattle, Wash. T-square and parallel straightedge combination, 2,627,323, Feb. 3.

Lauck, John A., South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Hydraulic power unit, 2,627,232, Feb. 3.

Le Boeuf, Helen W., assignee: See—
Le Boeuf, Jeffrey H.

Le Boeuf, Jeffrey H., assignor to J. H. and H. W. Le Boeuf, Pasadena, Calif. Lock nut, 2,627,293, Feb. 3.

Le Clercq, Leon J., Glendale, assignor to Gladding, McBean & Co., Los Angeles, Calif. Production of shaded glasses, 2,627,101, Feb. 3.

Lee Foundation for Nutritional Research, assignee: See—
Lee, Royal.

Lee, Royal, Elm Grove, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Attrition-type flour mill with centrifugally controlled feeding means, 2,627,376, Feb. 3.

Leeds and Northrup Company, assignee: See—
Faselle, William G.

Quereau, John F., and Teague.

Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter, 2,627,566, Feb. 3.

Leger, John, Haddon Heights, N. J., and E. M. Groman, Philadelphia, Pa. Electric fixture pull chain stop, 2,627,509, Feb. 3.

Leifer, Lorenz A., and C. H. Johnson, assignors to Gisholt Machine Company, Madison, Wis. Profile turning and boring lathe, 2,627,194, Feb. 3.

Leppich, Elias L., Seattle, Wash. Antisnooring device, 2,627,268, Feb. 3.

Leshner, Ralph H., Minneapolis, Minn. Rotary gas engine, 2,627,253, Feb. 3.

Lesk, Norman: See—
Schaeffer, Norman I., and Lesk.

Le Tourneau, R. G., Inc., assignee: See—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Lathe, 2,627,197, Feb. 3.

Levy, Maurice M., Earle Court, and D. C. Espley, North Wembley, assignors to The General Electric Company, Limited, London, England. Multichannel signaling system, 2,627,553, Feb. 3.

Levy, Samuel S., Paterson, N. J. Block assembly, 2,627,176, Feb. 3.

Lewin, Gerhard, Maplewood, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electric discharge device, 2,627,481, Feb. 3.

Lewis, Jean L., Baltimore, Md., assignor of one-third to S. Feinberg and one-third to B. H. Fogelson, Roselle, N. J. Producing skinless frankfurters, 2,627,460, Feb. 3.

Lewis, Warren K., Jr.: See—
Krebs, Robert W., and Lewis.

Lichty, Lyall J., Ottawa, assignor to Quebec Metallurgical Industries Limited, Toronto, Ontario, Canada. Production of aluminum-silicon alloys, 2,627,458, Feb. 3.

Lieurance, Cleo E.: See—
Hainke, Oscar T., and Lieurance.

Lilly Mills Company, assignee: See—
McIntyre, Newman.

Lincoln Engineering Company, assignee: See—
Kludt, Jonathan, and Parks.

Rotter, Lutwin C.

Lindenbels, Edwin E., Los Angeles, Calif. Animal stimulating toy vehicle and exerciser, 2,627,419, Feb. 3.

Lindhagen, Teodor I.: See—
Nilsson, Hans R., and Lindhagen.

Lindhagen, Teodor I., and H. R. Nilsson, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Battien, Racine, Wis., trustees. Elastic fluid power system utilizing a rotary engine with cooled rotors, 2,627,161, Feb. 3.

Lock Joint Pipe Company, assignee: See—
Hirsch, Philip R.

Locke, Raymond C.: See—
Hutton, Ernest W., and Locke.

Lohmer, Roland L., Jr., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Activation and esterification of amylose polysaccharides, 2,627,516, Feb. 3.

Luberoff, Louis, Jenkintown, Pa. Method and apparatus for sound recording and reproducing, 2,627,555, Feb. 3.

Lum, Funston G., Richmond, assignor to California Research Corporation, San Francisco, Calif. Long oil alkylid resins, 2,627,508, Feb. 3.

Luna, Santiago M., Corona, Calif. Utensil for cooking tacos, 2,627,222, Feb. 3.

Luttringhaus, Hans, Chatham, H. R. Mautner, Cliffside Park, N. J., and A. A. Arcus, Bellerose, N. Y. Dyeing of polyester fibers with acid leuco vat dyes, 2,627,449, Feb. 3.

Lyman, Joseph, Huntington, R. E. Barnaby, Hempstead, and R. Proskauer, Westbury, N. Y., assignors to The Sperry Corporation. Angular velocity responsive apparatus, 2,627,400, Feb. 3.

Lyon, Clifford T., Chicago, Ill. Equipment for the preparation and storage of food, 2,627,445, Feb. 3.

Lyon, George A., Detroit, Mich. Buffing wheel, 2,627,140, Feb. 3.

Lyons, Huggle C., Hyden, Ky. Feeder conveyor actuator, 2,627,337, Feb. 3.

M & J Engineering Co., assignee: See—
Bryant, Austin U.

MacCracken, Calvin D., Tenafly, assignor to Jet-Heat, Inc., Englewood, N. J. Cleaning deposits of soot and the like from passages, 2,627,149, Feb. 3.

MacDonald, Gilmour C., Ames, Iowa. Rocket igniter, 2,627,160, Feb. 3.

MacKay, John R., Packanack Lake, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Settable keying apparatus, 2,627,509, Feb. 3.

Magid, Bernard, New York, N. Y. Casket display and storage apparatus, 2,627,353, Feb. 3.

Maleo, Edward J., assignor to Jones & Lamson Machine Company, Springfield, Vt. Lathe tool, 2,627,107, Feb. 3.

Malkemus, John D., Austin, Tex., assignor to Jefferson Chemical Company, Inc., New York, N. Y. Hydroxy carbamates and producing same, 2,627,524, Feb. 3.

Marble, Jarvis C., trustee, assignee: See—
Lindhagen, Teodor I., and Nilsson.

Nilsson, Hans R., and Lindhagen.

Marchand, Nathan, assignor, by mesne assignments, to Technicon Radiograph Corporation, New York, N. Y. Multiple-lead electrocardiograph, 2,627,267, Feb. 3.

Mariska, Milton J., Grand Rapids, Minn. Engine block heater, 2,627,258, Feb. 3.

Marsh, Walter H., Crafton, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Piston type fluid meter, 2,627,250, Feb. 3.

Marsilius, Newman M., Trumbull, assignor to The Producto Machine Company, Bridgeport, Conn. Turning machine, 2,627,196, Feb. 3.

Marsilius, Newman M., Trumbull, assignor to The Producto Machine Company, Bridgeport, Conn. Safety device for die-casts, 2,627,313, Feb. 3.

Martin, Edward M., Jacksonville, Ark. Adjustable bus seat, 2,627,299, Feb. 3.

Martin, George C., and A. J. Sears, Fort Wayne, Ind., assignors to General Electric Company. Gasket material and making same, 2,627,482, Feb. 3.

Martin, George H., Bogue, Kans. Multiple valve control outlet hydrant, 2,627,277, Feb. 3.

Marzoff, Norbert F., assignor, by mesne assignments, to P. L. Marzoff, Strykersville, N. Y. Egg scouring machine, 2,627,140, Feb. 3.

Marzoff, Paul L., assignee: See—
Marzoff, Norbert F.

Maschinenfabrik Augsburg-Nurnberg A. G., assignee: See—
Dietrich, Paul.

Mason, David F.: See—
Robinson, Ewen D., and Mason.

Masteron, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Belt-drive power transfer system, 2,627,186, Feb. 3.

Mathieson Chemical Corporation, assignee: See—
Gardner, William C.

Mathieson Chemical Corporation, assignee: See—
Herndon, Lyle K.

Mautner, Henry R.: See—
Luttringhaus, Hans, Mautner, and Arcus.

McBee Company, The, assignee: See—
Connor, Roger, and Hooe.

Welk, Nelson S.

McCluskey, Alvin J., San Antonio, Tex. Portable power saw guide with an adjustable and tiltable platform, 2,627,287, Feb. 3.

McConnohie, Duane V., Galesburg, Mich. Pump and piston therefor, 2,627,233, Feb. 3.

McDevitt, John, Margate, N. J. Can perforator, 2,627,111, Feb. 3.

McDougal, Taine G., and E. W. Pierce, Flint, and W. A. Ryckinsky, Ann Arbor, assignors to General Motors Corporation, Detroit, Mich. Cleaning spark plugs and compositions therefor, 2,627,148, Feb. 3.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission, 2,627,189, Feb. 3.

McGregor, Lee R., Ames, Iowa. Tool for making hypodermic injections, 2,627,269, Feb. 3.

McIntyre, Newman, assignor to Lilly Mills Company, Shelby, N. C. Skein winding and banding machine, 2,627,151, Feb. 3.

McNair, William S., Fayetteville, N. C. Power-operated sprayer for plants, 2,627,438, Feb. 3.

McNamara, Frank J., Buffalo, N. Y. Dolly for handling furniture, 2,627,425, Feb. 3.

Meacham, Larned A., New Providence, and S. E. Michaels, Brookside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor transducing device, 2,627,575, Feb. 3.

Meade, Reginald E., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Manufacture of stabilized milk, 2,627,463, Feb. 3.

Measurements Corporation, assignee: See—
Palne, Robert C.

Melnel, William J.: See—
Green, Samuel G., D'Ardenne, Melnel, and Devore.

Melamed, Sidney: See—
Drake, Nathan L., and Melamed.

Melnick, Daniel: See—
Vahlteich, Hans W., Oodling, and Melnick.

Meinick, Daniel, Teaneck, N. J., C. M. Gooding, Staten Island, N. Y., and H. W. Vahlteich, Englewood, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soybean oil compositions. 2,627,400, Feb. 3.

Merckel, Frederick G., Montclair, and L. Reiner, Moonfield, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Fluorine chewing gum process. 2,627,403, Feb. 3.

Merrill, Leslie M., trustee, assignee: See—Lindhagen, Teodor I., and Nilsson.

Nilsson, Hans R., and Lindhagen.

Mestre, Luis, New York, N. Y. Sheet-mounting machine. 2,627,406, Feb. 3.

Michaels, Simon E.: See—Meacham, Larned A., and Michaels.

Miller, David M.: See—Claggett, Albert D., and Miller.

Miller, Ralph L., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Determination of pitch frequency of complex wave. 2,627,411, Feb. 3.

Minneapolis-Honeywell Regulator Company, assignee: See—Crum, Stephen.

Minnesota Mining & Manufacturing Company, assignee: See—Frigstad, Randolph S.

Mishkinia, Frank, Westwood, Calif. Golf club grip. 2,627,410, Feb. 3.

Mitsunobuchi, Lewis E., assignor to B. Erenberg, Los Angeles, Calif. Couch construction. 2,627,076, Feb. 3.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Air density compensating fuel feeding system for gas turbines. 2,627,305, Feb. 3.

Mohr, Henry L., assignor to York-Shibley, Inc., York, Pa. Water heater assembly. 2,627,252, Feb. 3.

Monsanto Chemical Company, assignee: See—Hardy, Edgar E.

Moore, Coleman H., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Flow controller. 2,627,281, Feb. 3.

Moore, Harry W., Dayton, Ohio. Automatic armature winding machine. 2,627,379, Feb. 3.

Moore Products Co., assignee: See—Moore, Coleman H.

Moore, Raymond E.: See—Mugrove, Edward H., and Moore.

Moray, Jerome I., West Orange, N. J. Dental inlay clamp. 2,627,113, Feb. 3.

Morgan, Burton D., Forda, N. J., assignor to Johnson & Johnson. Aseptic package with steam permeable seal. 2,627,341, Feb. 3.

Morris, William L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Control circuit. 2,627,392, Feb. 3.

Morrow, Harry S., assignor to E. H. Sheldon & Co., Muskegon, Mich. Fume hood. 2,627,220, Feb. 3.

Morse, Philip W.: See—Hieble, Michael E., and Morse.

Mount Vernon Implement Co., Inc., assignee: See—Schafer, Norman L., and Lusk.

Moyer, Ralph A.: See—Moyer, William G., and R. A.

Moyer, William G., and R. A. assignors to W. A. Moyer & Sons, Parkers Landing, Pa. Level vial. 2,627,121, Feb. 3.

Moyer, William G., and R. A., assignors to W. A. Moyer & Sons, Parkers Landings, Pa. Level vial. 2,627,122, Feb. 3.

Mueller, Ervin H., Grosse Pointe, Mich. Valve for controlling gas. 2,627,417, Feb. 3.

Mulder, Raymond G., Chicago, Ill. Game scoring device and ash tray. 2,627,374, Feb. 3.

Mullins Manufacturing Corporation, assignee: See—Benson, John H.

Munro, Gordon, Boston, assignor to Murray & Tregurtha, Inc., Quincy, Mass. Cargo carrier. 2,627,355, Feb. 3.

Murray & Tregurtha, Inc., assignee: See—Munro, Gordon.

Mugrove, Edward H., and R. E. Moore, Denver, Colo. Resistance-reducing device for bridged circuits. 2,627,581, Feb. 3.

Muss, Daniel R., and L. P. Hunter, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconductor device. 2,627,545, Feb. 3.

National Aluminate Corporation, assignee: See—Bird, Paul G.

National Broach and Machine Company, assignee: See—Praeg, Walter S.

National Distillers Products Corporation, assignee: See—Noll, Robert A., and Frampton.

National Pressure Cooker Company, assignee: See—Honey, Thomas G.

Navy, United States of America as represented by the Secretary of the assignee: See—Horton, Loy E.

Klein, Norman E.

Lawin, Gerhard.

Sawyer, Ogden E., and Warren.

Nelson, Willie N., and L. C. Griffin, assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis. Door and drawer assembly for cooking ranges. 2,627,284, Feb. 3.

Netzel, Philip C., Philadelphia, Pa., assignor to General Electric Company. Sequential switch. 2,627,559, Feb. 3.

Newaygo Engineering Company, assignee: See—Bell, Millard J.

Newly Weds Baking Co., assignee: See—Angell, Paul M.

Angell, Paul M., and Henn.

New Method Equipment Company, assignee: See—Reason, Robert L.

Nichols, Elton F.: See—Sprague, Frank, and Nichols.

Nilsson, Hans Robert: See—Lindhagen, Teodor I., and Nilsson.

Nilsson, Hans R., and T. I. Lindhagen, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Elastic fluid power plant. 2,627,162, Feb. 3.

Noll, Robert A., Newport, Ky., and O. D. Frampton, Wyoming, Ohio, assignors to National Distillers Products Corporation. Concentration of methionine in amino acid mixtures. 2,627,525, Feb. 3.

Northwestern Corporation, The, assignee: See—Balas, Charles S.

Norwood, Jack E., Raleigh, N. C. Talc crayon production. 2,627,089, Feb. 3.

Nye, Norman H.: See—Cox, Elmer L., and Nye.

Nye, Norman H., Cuyahoga Falls, Ohio. Apparatus for making thermoplastic resin bags. 2,627,213, Feb. 3.

Nyquist, Walter I.: See—Toucray, Millard H., Nyquist, and Censer.

Obermayer, Alfred A., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Ionization type gas flowmeter. 2,627,543, Feb. 3.

O'Brien, Brian, Pittsford, N. Y. Optical image dissecting apparatus. 2,627,109, Feb. 3.

O'Day, Portland N., Port Washington, assignor to Air Devices, Inc., New York, N. Y. Air exhauster. 2,627,219, Feb. 3.

Ogden, Hubert S., Los Angeles, Calif. Filter. 2,627,351, Feb. 3.

Ohlund, Selfrid G., Enskede, Sweden. Flashing incandescent lamp with bi-metallic filament support. 2,627,590, Feb. 3.

Olson, C. A., Manufacturing Company, The, assignee: See—Chaplin, Almon J.

Olson, Roy N.: See—Potts, Ralph H., and Olson.

Pabst, Philip E.: See—Isella, John J., and Pabst.

Packaging Materials Corp., assignee: See—Brown, Paul.

Packard Motor Car Company, assignee: See—McFarland, Forest R.

Pagelkopf, William H., Chaska, Minn. Folding toboggan. 2,627,422, Feb. 3.

Paine, Robert C., assignor to Measurements Corporation, Houston, N. J. Pulse width measurement. 2,627,546, Feb. 3.

Palmer, José A., Cordoba, Argentina. Wire spring clip. 2,627,095, Feb. 3.

Palmer Machine Company, assignee: See—Van Sickle, Kenneth J.

Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Inhibition of gelation of polymerizable mixtures. 2,627,510, Feb. 3.

Parks, Howard: See—Kluft, Jonathan, and Parks.

Parr, Robert M., South Milford, Ind. Chain saw jig. 2,627,191, Feb. 3.

Partlow Corporation, The, assignee: See—Clark, James K.

Pausin Manufacturing Company, Inc., assignee: See—Engelman, Herman C.

Paw Paw Salt Company, assignee: See—Stuchair, Clyde C.

Pearce, Walter R.: See—Wohler, Stanley A., and Pearce.

Pearson, Frederick H.: See—Rose, Alfred G., and Pearson.

Pennsylvania Salt Manufacturing Company, The, assignee: See—Zakheim, Murray.

Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin winding machine and bobbin supply means therefor. 2,627,380, Feb. 3.

Peterson, Clyde A., Dewart, and H. W. Schaefer, Sunbury, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio phonograph cabinet. 2,627,556, Feb. 3.

Pettibone, Elmer K., San Francisco, Calif. Soybean processing and products. 2,627,462, Feb. 3.

Pettibone, Elmer K., San Francisco, Calif. Soybean-containing food products without soy taste. 2,627,465, Feb. 3.

Phillips Petroleum Company, assignee: See—Hendrix, Hurschel V.

Lanning, William C.

Morris, William L.

Robinson, Sam P.

Phillips, Robert A.: See—Fronmelt, Horace A., and C. P., and Phillips.

Phipard, Harvey F., Jr.: See—Jenney, George E., Jr., Phipard, and Brown.

Picard, Robert G., Collingswood, N. J., assignor to Radio Corporation of America. Demountable vacuumtight seal. 2,627,580, Feb. 3.

Pickel, James M., Kansas City, assignor to O. C. Hink, Liberty, Mo. Grinding attachment for lawn mower sharpening machines. 2,627,142, Feb. 3.

Pierce, Earl W.: See—McDougal, Talne G., Pierre and Bychinsky.

Pierce, John B., Foundation, assignee: See—Cataldo, John B.

Pipplin, Lester H., Hinesdale, Mont. Level. 2,627,115, Feb. 3.

Pirwitz, Friedrich A. G., Rochester, G. P. Pirwitz, Irondequoit, J. H. Sutton, and G. H. Schlueter, assignors to Wollensak Optical Company, Rochester, N. Y. Photographic shutter with synchronizer. 2,627,215, Feb. 3.

Pirwitz, Gustave P.: See—Pirwitz, Friedrich A. G. and G. P., Sutton, and Schlueter.

Pirwitz, Gustave P., Irondequoit, assignor to Wollensak Optical Company, Rochester, N. Y. Photographic shutter with synchronizer. 2,627,214, Feb. 3.

Pittsburgh Plate Glass Company, assignee: See—Faelten, Carl R.

Parker, Earl E.

Pletcher, Delmar I., Bakersfield, Calif. Fishing line and lure clamp for fishing poles. 2,627,133, Feb. 3.

Polaroid Corporation, assignee: See—Land, Edwin H.

Pollock, Mark W.: See—Zerner, Ernst, and Pollock.

Polymer Corporation, The, assignee: See—Rahm, Robert C.

Ponfi, Fermin A., Buenos Aires, Argentina. Box. 2,627,358, Feb. 3.

Poor, Wallace E., Wilmerding, Pa., assignor to Westinghouse Air Brake Company. Apparatus for controlling slip of vehicle wheels. 2,627,432, Feb. 3.

Potts, Ralph H., La Grange, and R. N. Olson, assignors to Armour and Company, Chicago, Ill. Distillation of fatty acids, tall oil, and the like. 2,627,500, Feb. 3.

Poulter, John W., assignor to Koehring Company, Milwaukee, Wis. Producing stabilization in soil masses. 2,627,169, Feb. 3.

Powers, John B., Davis, assignor to The Regents of the University of California, Berkeley, Calif. Photoelectric control circuit. 2,627,347, Feb. 3.

Praeg, Walter S., assignor to National Broach and Machine Company, Detroit, Mich. Gear finishing machine. 2,627,141, Feb. 3.

Prentiss Wabers Products Company, assignee: See—Nelson, Willis N., and Griffin.

Prentiss, Eugene F., Short Hills, assignor to Gemex Company, Union, N. J. Display tray. 2,627,344, Feb. 3.

Preston, Joseph K.: See—Wheeler, Ralph F., Preston, and West.

Prime Manufacturing Company, assignee: See—Ridderstrom, Andrew R.

Pritsker, Lee, Baltimore, Md. Synthetic drying oil and making same. 2,627,479, Feb. 3.

Product Machine Company, The, assignee: See—Marshall, Newman M.

Proskauer, Richard: See—Lyman, Joseph, Barnaby, and Proskauer.

Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Apparatus for making tubular radiator cores. 2,627,241, Feb. 3.

Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Heat exchange conduit for oil coolers. 2,627,283, Feb. 3.

Purser, Carl D., Daytona Beach, Fla. Vaginal syringe. 2,627,271, Feb. 3.

Quebec Metallurgical Industries Limited, assignee: See—Lichty, Lyall J.

Quereau, John F., Wyncote, and A. B. Teague, Somerton, assignors to Leeds and Northrup Company, Philadelphia, Pa. Aspiration pyrometer. 2,627,182, Feb. 3.

Radio Corporation of America, assignee: See—Andrews, Dallas R.

Bedford, Alda V.

Ellis, Sidney G.

Goldsmith, Alfred N.

Howarth, Walter J.

Kell, Ray D.

Masteron, Earl E.

Picard, Robert G.

Schoemehl, Henry F., and Ward.

Rahm, Robert C., Wyomissing, assignor to The Polymer Corporation, Reading, Pa. Apparatus for forming plastic strips. 2,627,085, Feb. 3.

Rasmussen, Sterre, New York, N. Y. Electrical automatic time control. 2,627,415, Feb. 3.

Rauland Corporation, assignee: See—Van Ornum, Wesley H.

Raytheon Manufacturing Company, assignee: See—Gottschalk, Winston M.

Horton, Edgar.

Riblet, Henry J.

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Razek, Joseph, Lanerch, Pa., assignor, by mesne assignments, to Cochran Corporation. Averaging device. 2,627,372, Feb. 3.

Redding Manufacturing Company, Inc., assignee: See—Ryan, Albert O.

Reed, Anne E., assignee: See—Reed, Maurice J.

Reed, Maurice J., Red Bank, assignor of three-eighths to A. E. Reed, and two-eighths to T. J. Eurrell, II, Middletown Township, Monmouth County, N. J. Ball-point pen with ball-bearing mount. 2,627,247, Feb. 3.

Reichert, Elias F., assignor to S. Reinhard, Allentown, Pa. Circular knitting machine. 2,627,172, Feb. 3.

Reiner, Laszlo: See—Merckel, Frederick G., and Reiner.

Reinhard, Samuel, assignee: See—Reichert, Elias F.

Reliance Electric & Engineering Co., The, assignee: See—Hayes, Robert H.

Republic Steel Corporation, assignee: See—Adams, Albert C.

Research Engineering & Manufacturing, Inc., assignee: See—Jenney, George E., Jr., Phipard, and Brown.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Wave guide duplexer. 2,627,573, Feb. 3.

Rieh, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Ground leak measuring circuit. 2,627,540, Feb. 3.

Richards, Vancort H., Minot, N. Dak. Dolly truck and the like. 2,627,234, Feb. 3.

Ridderstrom, Andrew R., Nahant, assignor to Prime Manufacturing Company, Lynn, Mass. Making welt insoles. 2,627,079, Feb. 3.

Rines, Robert H., Brookline, Mass. Method of and apparatus for producing visual likenesses with the aid of radio waves. 2,627,600, Feb. 3.

Rink, Oscar C., assignee: See—Pickel, James M.

Rivoche, Eugene, Washington, D. C. Carburetor. 2,627,395, Feb. 3.

Roch, Vern S., Wichita, Kans. Toolholder for grinding purposes. 2,627,147, Feb. 3.

Roberts, Eric: See—Hock, George E., Roberts, and Hokanson.

Robinson, Ewen D., and D. F. Mason, Mount Holly, N. C., assignors to Southern Dyestuff Corporation. Liquid indophenol sulfonized vat dyestuffs and making them. 2,627,450, Feb. 3.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus and method for heat exchange. 2,627,497, Feb. 3.

Rockledge Manufacturing Company, assignee: See—Weakland, Walter L.

Rockwell Manufacturing Company, assignee: See—Marsh, Walter H.

Romberg, Joseph W., Port Neches, Tex., assignor to The Texas Company, New York, N. Y. Rat preventive compositions containing a wax-soap base. 2,627,474, Feb. 3.

Rope, Barton W.: See—Conrad, Harry L., Rope, and Sachanen.

Rose, Alfred G., and F. H. Pearson, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machinery. 2,627,154, Feb. 3.

Rose Brothers (Gainsborough) Limited, assignee: See—Rose, Alfred G., and Pearson.

Rose, Charles F. P., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable impedance transformer. 2,627,550, Feb. 3.

Roshong, Raymond G., North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill. Lapping machine. 2,627,144, Feb. 3.

Rotter, Lutwin C., Maplewood, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating system. 2,627,320, Feb. 3.

Roy, Milton, Company, assignee: See—Sheen, Robert T.

Ruchinski, John F., Wanamie, Pa. Motor vehicle switch. 2,627,568, Feb. 3.

Russell, Harry J., assignor to Baker & Co., Inc., Newark, N. J. Orthodontic appliance. 2,627,112, Feb. 3.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Pickup construction. 2,627,150, Feb. 3.

Ryan, Albert O., Independence, Ky., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Apparatus for the manufacture of threads or filaments. 2,627,084, Feb. 3.

Sachanen, Alexander N.: See—Conrad, Harry L., Rope, and Sachanen.

St. Clair, Theodore A.: See—Johnson, Andrew G., and St. Clair.

St. Laurence, Ernest J., Minneapolis, Minn. Coin-controlled beverage dispensing apparatus. 2,627,369, Feb. 3.

Salter, William J., Wheatridge, Colo. Automatic vehicle operated gravity closure. 2,627,130, Feb. 3.

Saner, William R.: See—Alles, Francis P., and Saner.

Sawyer, Ogden E., Cranston, R. I., and H. R. Warren, Louisville, Ky., assignors to the United States of America as represented by the Secretary of the Navy. Electronic motor control circuit. 2,627,594, Feb. 3.

Schaefer, Harold W.: See—
 Peterson, Clyde A., and Schaefer.
 Schader, Norman L., New York, and N. Leak, Laurelton, assignors to Mount Vernon Implement Co., Inc., Mount Vernon, N. Y. Fertilizer and lime spreader. 2,627,364, Feb. 3.
 Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine provided with removable transmission. 2,627,175, Feb. 3.
 Schiefelbein, Walter M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Erecting apparatus for storage structures. 2,627,390, Feb. 3.
 Schlueter, George H.: See—
 Pirwitz, Friedrich A. G. and G. P., Sutton, and Schlueter.
 Schnelder, Abraham: See—
 Bartlett, Paul D., Dauben, and Schnelder.
 Schneideman, Joseph, Chicago, Ill. Hair-waving device. 2,627,274, Feb. 3.
 Schoemehl, Henry F., Seelyville, and H. D. Ward, Indianapolis, Ind., assignors to Radio Corporation of America. Induction heating of recording stylus. 2,627,410, Feb. 3.
 Schreiber, Raymond P.: See—
 Stadd, Donald M., and Schreiber.
 Schultz, Howard A., Decatur, Ind., assignor to General Electric Company. Stator member for dynamoelectric machines. 2,627,584, Feb. 3.
 Scientific Design Company, Inc., assignee: See—
 Cunningham, George L.
 Sear, Arthur W., Syracuse, N. Y., assignor to General Electric Company. Phonograph turntable mechanism. 2,627,414, Feb. 3.
 Searle, G. D., & Co., assignee: See—
 Cusic, John W.
 Sears, Albert J.: See—
 Martin, George C., and Sears.
 Sechrlat, Roy H., Marion, Ohio. Means for fastening objects to cylindrical bodies. 2,627,431, Feb. 3.
 Seecrest, William J., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for tension-calendering fabric. 2,627,200, Feb. 3.
 Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Catalog binder. 2,627,272, Feb. 3.
 Selfeth, Oscar E., Chicago, Ill., assignor, by mesne assignments, to Voss Brothers Manufacturing Co., Davenport, Iowa. Package. 2,627,470, Feb. 3.
 Setliff, Edgar L., Killarney, W. Va. Railway car rerolling mechanism. 2,627,235, Feb. 3.
 Shaft, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Pressure fluid actuated tool with improved valve actuating means. 2,627,248, Feb. 3.
 Sheen, Robert T., Wyndmoor, assignor to Milton Roy Company, Chestnut Hill, Pa. Automatic titration system. 2,627,453, Feb. 3.
 Sheldon, E. H., & Co., assignee: See—
 Morrow, Harry S.
 Shell Development Company, assignee: See—
 Fink, Dale F., Greger, and Alsberg.
 Shell, Ernest F., Erie, Pa., assignor to General Electric Company. Control arrangement for auxiliary compartments for refrigerators. 2,627,393, Feb. 3.
 Shenk, Wilbur J.: See—
 Drake, Nathan L., Shenk, and Eaker.
 Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Tool bit. 2,627,100, Feb. 3.
 Sherwin-Williams Company, The, assignee: See—
 Arvin, James A.
 Bewick, Howard L., and Brown.
 Kuhn, Joseph M.
 Shuler, Sanford A., Jr., and C. E. Crofoot, Schenectady, N. Y. Apparatus adapted for the removal of leaves and grass and the like. 2,627,153, Feb. 3.
 Silverberg, Arthur: See—
 Frisch, Abraham H., and Silverberg.
 Simons, Edward, San Francisco, Calif. Cooling tower. 2,627,306, Feb. 3.
 Simpson, Clarence E., Wilbraham, Mass., assignor to the United States of America as represented by the Secretary of War. Feeding mechanism for automatic firearms. 2,627,208, Feb. 3.
 Simpson, Edgar A.: See—
 Goodwin, Manfred E., and Simpson.
 Sinclair, Clyde C., assignor to Paw Paw Bolt Company, Paw Paw, Mich. Flash bolt or lure. 2,627,136, Feb. 3.
 Singer Manufacturing Company, The, assignee: See—
 Egan, John P.
 Johnson, Ralph E., and Kessler.
 Slopa, George W., assignee: See—
 Slopa, Robert E.
 Slopa, Robert E., assignor of one-half to G. W. Slopa, Chicago, Ill. Adjustable spring caster door support. 2,627,081, Feb. 3.
 Smith, A. O., Corporation, assignee: See—
 Schiefelbein, Walter M.
 Zerbe, Frederick K.
 Smith, Arthur L., La Jolla, Calif. Applying inked indicia to a rubber article using an image reproducing film. 2,627,485, Feb. 3.
 Smith, Arthur L., La Jolla, Calif. Applying inked indicia to a rubber balloon. 2,627,486, Feb. 3.
 Smith, Daniel W., Hendersonville, N. C., and H. Hall, Knoxville, Tenn., assignors to the Tennessee Valley Authority. Press for laminated lumber. 2,627,201, Feb. 3.
 Smith, Goff, Riverside, Conn., assignor to American Steel Foundries, Chicago, Ill. Snubbed spring group. 2,627,402, Feb. 3.
 Smith, John O., Jr.: See—
 Jones, Allen R., and Smith.
 Smith, Norman J., Medfield, Mass. Thermostatic switch. 2,627,365, Feb. 3.
 Socony-Vacuum Oil Company, Incorporated, assignee: See—
 Conrad, Harry L., Rope, and Sachanen.
 Peasley, Charles F., and Stover.
 Swerdlow, Will.
 Somers, Shirley C., Los Angeles, Calif. Antisiphon valve. 2,627,278, Feb. 3.
 Southern California Glass Co., Inc., assignee: See—
 Backman, John W.
 Southern Dyestuff Corporation, assignee: See—
 Robinson, Ewen D., and Mason.
 Spaulding, A. G., & Hrona, Inc., assignee: See—
 Wheeler, Ralph F.
 Wheeler, Ralph F., Preston, and West.
 Specialties Development Corporation, assignee: See—
 Helzer, Edward J.
 Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber foam mixer. 2,627,394, Feb. 3.
 Sperry Corporation, The, assignee: See—
 Browder, Jay E., and Young.
 Esval, Orland E.
 Lyman, Joseph, Barnaby, and Proskauer.
 Spertl, George S., Burlington, Ky., assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Means and method of antistroboscopic arc operation. 2,627,591, Feb. 3.
 Sporket, Albert, Detroit, Mich. Stud remover. 2,627,195, Feb. 3.
 Sprague Devices, Inc., assignee: See—
 Sprague, Frank, and Nichols.
 Sprague, Frank, and E. F. Nichols, assignors to Sprague Devices, Inc., Michigan City, Ind. Windshield wiper motor. 2,627,251, Feb. 3.
 Sprecher, Noah E., Brooklyn, N. Y. Impedance rule. 2,627,114, Feb. 3.
 Spring, Frank S.: See—
 Toncray, Millard H., and Spring.
 Squires, Rathbun B., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple socket electrical connection device. 2,627,535, Feb. 3.
 Stadd, Donald M., New York, N. Y., and R. P. Schreiber, Washington, D. C. Warmer for casualty evacuation bags. 2,627,206, Feb. 3.
 Stadd, Donald M., New York, N. Y., and R. P. Schreiber, Washington, D. C. Catalytic heater. 2,627,306, Feb. 3.
 Stahmer, Carl H., San Francisco, Calif. Combination rudder and propeller drive assembly. 2,627,243, Feb. 3.
 Standard Coll Products Co. Inc., assignee: See—
 Wasmanadoff, Carlton.
 Standard Oil Development Company, assignee: See—
 Arey, William F., Jr.
 Connolly, Gerald C., and Cottle.
 Crookston, Robert R., and Chappell.
 Hunter, Edward A., and Kimberlin.
 Jones, Allen R., and Smith.
 Krebs, Robert W.
 Krebs, Robert W., and Lewis.
 Stanton, Samuel A., Neosho, Mo. Potato bug catching apparatus. 2,627,138, Feb. 3.
 Statla, Edwin V., Sr., Royal Oak, assignor of one-half to E. L. Chapman, Detroit, Mich. Precision boring device. 2,627,193, Feb. 3.
 Stearns, Wesley O., Scotch Plains, N. J., assignor to Wilson-Jones Company, Chicago, Ill. Feed plate for stapling machines. 2,627,071, Feb. 3.
 Steiner, Alois, Hoboken, N. J. Band saw attachment for machine tools. 2,627,288, Feb. 3.
 Stencil, Felix, Portland, Oreg., assignor to Lloyd A. Fry Roofing Company, Chicago, Ill. Handling of roofing material. 2,627,153, Feb. 3.
 Sterling Drug Inc., assignee: See—
 Archer, Sydney.
 Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Control apparatus for plural clutch operation. 2,627,168, Feb. 3.
 Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Control apparatus. 2,627,328, Feb. 3.
 Stone, George M., Westfield, N. J., assignor to American Can Company, New York, N. Y. Discharge device for can weighing machines. 2,627,346, Feb. 3.
 Stone, George M., Westfield, N. J., assignor to American Can Company, New York, N. Y. Can weighing machine divider device. 2,627,348, Feb. 3.
 Stonestreet, Lois H., assignor to Kwik-tite, Incorporated, Charlotte, N. C. Lady's cap. 2,627,073, Feb. 3.
 Stover, William A.: See—
 Peasley, Charles F., and Stover.

Stratford, Charles W., assignor to Stratford Engineering Corporation, Kansas City, Mo. Washing acid treated distillate. 2,627,496, Feb. 3.
 Stratford Engineering Corporation, assignee: See—
 Stratford, Charles W.
 Strom, David W., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Munger mounting for turret. 2,627,105, Feb. 3.
 Strong, Herbert M., Schenectady, and F. P. Bundy, Alplaus, N. Y., assignors to General Electric Company. Apparatus for measuring flame temperatures. 2,627,202, Feb. 3.
 Sun Chemical Corporation, assignee: See—
 Zerner, Ernst, and Pollock.
 Surface Combustion Corporation, assignee: See—
 Hepburn, William M.
 Sutton, Jack H.: See—
 Pirwitz, Friedrich A., Gustav, G. P., Pirwitz, Sutton, and Schlueter.
 Swarts, Noah A., and D. L. Creager, Pueblo, Colo. Lifting device for trucks and vehicles. 2,627,389, Feb. 3.
 Swerdlow, Will, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refrigeration method of recovering hydrocarbons from gas mixtures. 2,627,318, Feb. 3.
 Swift & Company, assignee: See—
 Brinsley, George E.
 Szabo, Joseph L., Drexel Hill, and W. F. Bruce, Haver-town, assignors to Wyeth Incorporated, Philadelphia, Pa. Penicillin salts of substituted alkylene diamines. 2,627,491, Feb. 3.
 Taber, George H., Elmira, N. Y. Gauge for indicating camber, caster, and side inclination of wheels. 2,627,123, Feb. 3.
 Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake head arrangement. 2,627,322, Feb. 3.
 Tappan, Ada L., assignee: See—
 Tappan, Dewitt.
 Tappan, Dewitt, assignor to A. I. Tappan, Irondequoit, N. Y. Sash balance. 2,627,082, Feb. 3.
 Tate, Syllus D., Centralia, Ill. Air circulating heater and furnace. 2,627,265, Feb. 3.
 Taylor, Harry B., Ferry Hill, and A. J. Watts, Cambridge, England, assignors to General Electric Company. Ultrahigh-frequency transmission structure. 2,627,551, Feb. 3.
 Teague, Albert B.: See—
 Quereau, John F., and Teague.
 Technicon Cardlograph Corporation, assignee: See—
 Marchand, Nathan.
 Tennessee Valley Authority, assignee: See—
 Smith, Daniel W., and Hall.
 Texas Company, The, assignee: See—
 De Juhanz, Kalman J.
 Romberg, Joseph W.
 Thomas, William A., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,627,563, Feb. 3.
 Thomson, Ernest F., Tuckahoe, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio. Desk tray. 2,627,342, Feb. 3.
 Tibbets, Raymond F., Los Angeles, Calif. Fishing reel. 2,627,383, Feb. 3.
 Tietig, Chester, Covington, Ky. Cam-actuated speed control for cyclically operated machines. 2,627,593, Feb. 3.
 Timken Roller Bearing Company, The, assignee: See—
 Hutchins, Sidney E.
 Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Support. 2,627,385, Feb. 3.
 Tinnerman Products, Inc., assignee: See—
 Tinnerman, George A.
 Toby, Max E.: See—
 Cheney, Vao L., and Toby.
 Tompkins, Howard E., Ridley Park, assignor to Trustees of the University of Pennsylvania, Philadelphia, Pa. Electrical system. 2,627,539, Feb. 3.
 Toncray, Millard H., Groase Pointe Park, W. I. Nyquist, and C. W. Zenzer, assignors to Hudson Motor Car Company, Detroit, Mich. Motor vehicle body frame. 2,627,426, Feb. 3.
 Toncray, Millard H., and F. S. Spring, Groase Pointe, assignors to Hudson Motor Car Company, Detroit, Mich. Motor vehicle body frame. 2,627,437, Feb. 3.
 Touborg, Jens, assignor to Treaco, Inc., Tecumseh, Mich. Hermetic refrigeration compressor. 2,627,170, Feb. 3.
 Transparent Package Company, assignee: See—
 Dowd, Laurence E.
 Treaco, Inc., assignee: See—
 Touborg, Jens.
 Tronier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Four-component Gauss-type photographic objective of high light-transmitting capacity. 2,627,204, Feb. 3.
 Tronier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Corrected four-unit photographic objective comprising two half systems enclosing the diaphragm. 2,627,205, Feb. 3.
 Tschinkel, Johann G., Fort Bliss, Tex., assignor to the United States of America as represented by the Secretary of the Army. Apparatus for heating hydrogen peroxide. 2,627,454, Feb. 3.
 Uni-Drive Corporation, assignee: See—
 Deputy, Marshall P.
 Union Carbide and Carbon Corporation, assignee: See—
 Erickson, Charles E., and Wagner.
 Union Oil Company of California, assignee: See—
 Berg, Clyde H. O.
 United-Carr Fastener Corporation, assignee: See—
 Becker, Philip D.
 Bedford, William A., Jr.
 Van Huren, Harold S., Jr.
 Woodward, Clement A.
 United Drill and Tool Corporation, assignee: See—
 Kronwall, Konstantin.
 University of California, The Regents of the, assignee: See—
 Powers, John B.
 University of Pennsylvania, Trustees of the, assignee: See—
 Tompkins, Howard E.
 Vahlteich, Hans W.: See—
 Melnick, Daniel, Gooding, and Vahlteich.
 Vahlteich, Hans W., Englewood, N. J., C. M. Gooding, Staten Island, N. Y., and D. Melnick, Teaneck, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soya-bean oil and producing the same. 2,627,468, Feb. 3.
 Valenta, Joseph, Los Angeles, Calif. Frozen confection package and container therefor. 2,627,472, Feb. 3.
 Van Brode Milling Co., Inc., assignee: See—
 Brody, David.
 Van Huren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Removable device for clothing and the like. 2,627,008, Feb. 3.
 Vance, Arlyn T., Sherman Oaks, Calif. Vane type fluid clutch. 2,627,331, Feb. 3.
 Van Ornum, Wesley H., Chicago, Ill., assignor to Ransland Corporation. Electron gun for cathode-ray tubes. 2,627,585, Feb. 3.
 Van Sickle, Kenneth J., assignor to L'Espe Machine Company, Shortsville, N. Y. Crop pickup reel. 2,627,158, Feb. 3.
 Victor Safe & Equipment Company, Inc., assignee: See—
 Gallagher, Richard L.
 Visco Products Company, assignee: See—
 Kirkpatrick, Willard H., and Koehner.
 Vodox, Frederick W., Oconomowoc, Wis. Conveyor shoe and supporting frame. 2,627,338, Feb. 3.
 Vogt, Hans, Malarholmen near Stockholm, Sweden. Porous electrode. 2,627,531, Feb. 3.
 Voigtlander & Sohn Aktiengesellschaft, assignee: See—
 Tronier, Albrecht W.
 Vonnegut, Bernard, Alplaus, N. Y., assignor to General Electric Company. Surface tension measuring device. 2,627,177, Feb. 3.
 Voss Brothers Manufacturing Co., assignee: See—
 Selfeth, Oscar E.
 Wagner, George H.: See—
 Erickson, Charles E., and Wagner.
 Wakefield, Walter H.: See—
 Krukonia, Alexander C., and Wakefield.
 Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom. 2,627,286, Feb. 3.
 Wallace & Tiernan Products, Inc., assignee: See—
 MacKay, John R.
 Merckel, Frederick G., and Reiner.
 Walters, William J.: See—
 Koppell, Ernst R., and Walters.
 War, United States of America as represented by the Secretary of, assignee: See—
 Simpson, Clarence E.
 Ward, Harry D.: See—
 Schoemehl, Henry F., and Ward.
 Warren, Henry R.: See—
 Sawyer, Ogden E., and Warren.
 Wasmanadoff, Carlton, Los Angeles, Calif., assignor, by mesne assignments, to Standard Coll Products Co. Inc. Tunable amplifier and converter unit for radio apparatus. 2,627,579, Feb. 3.
 Watts, Alan J.: See—
 Taylor, Harry B., and Watts.
 Wayne Pump Company, The, assignee: See—
 Alnsworth, Freedom H.
 Weakland, Walter L., Platte City, Mo., assignor to Rockledge Manufacturing Company. Grass deflector for mowers. 2,627,157, Feb. 3.
 Wetherhead Company, The, assignee: See—
 Johnson, Andrew G., and St. Clair.
 Weber, Robert, assignee: See—
 Jantzen, William L.
 Weglin, Walter, New York, N. Y. Candle and making. 2,627,174, Feb. 3.
 Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Fanfolded paper label strip. 2,627,427, Feb. 3.
 Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Attachment plug. 2,627,537, Feb. 3.
 Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Ledger tray cabinet. 2,627,446, Feb. 3.
 West, Joseph K.: See—
 Wheeler, Ralph F., Preston, and West.
 Western Condensing Company, assignee: See—
 Meade, Reginald E.

LIST OF PATENTEES

Westinghouse Air Brake Company, assignee: See—

Gorman, Andrew T.
 Moore, Wallace F.
 Stevens, Ray R.
 Leeds, Winthrop M.
 Muss, Daniel R., and Hunter.
 Peterson, Clyde A., and Schaefer.
 Squires, Rathbun B.

Westling, Carl J., West Orange, N. J., assignor to H. A. Bruest & Company, New York, N. Y. Concentric gas and air burner. 2,627,307, Feb. 3.

Weyerhaeuser Timber Company, assignee: See—

Grondal, Bror L., and Dickinson.
 Weynand, Paul, San Antonio, Tex. Cutter holder for stone drawers and the like. 2,627,262, Feb. 3.

Wheeler, Ralph F., and J. K. Preston, Springfield, and J. K. West, West Springfield, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Ski pole. 2,627,420, Feb. 3.

Wheeler, Ralph F., Springfield, assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Ski pole and grip therefor. 2,627,421, Feb. 3.

Whelan, James P., Quincy, Mass., assignor, by mesne assignments, to Judson Dunaway Corporation, Dover, N. H. Machine for producing covers and opener lever assemblies. 2,627,104, Feb. 3.

White, Blanche B., Summit, and P. Blackman, Westfield, N. J., assignors to Celanese Corporation of America, New York, N. Y. Production of organic acid esters of cellulose. 2,627,515, Feb. 3.

White, Frank G., Watertown, and T. F. Callahan, Newtonville, Mass. Releasing device for strip forms in an autographic register. 2,627,428, Feb. 3.

Whiting Corporation, assignee: See—
 Rock, George E., Roberts, and Hokanson.
 Holmes, Louis D.

Whiting, William S., Jr., Camden, S. C. Conveyor. 2,627,330, Feb. 3.

Wicks, John D., assignor to Wix Accessories Corporation, Gastonia, N. C. Filter cartridge. 2,627,350, Feb. 3.

Wiggins, Alpha M., Clay Township, St. Joseph County, assignor to Electro Voice, Incorporated, South Bend, Ind. Unidirectional microphone. 2,627,558, Feb. 3.

Wilke, Milton E., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Electric battery with cross-over intercell connectors. 2,627,532, Feb. 3.

Wilson-Jones Co., assignee: See—
 Segal, Samuel.

Stearns, Wesley G.

Wiser, Douglas R.: See—

Bartlam, Thomas C., Burke, Wiser, and Engstrom.

Witthoft, Herbert C., Marion, Ind., assignor to Anacanda Wire and Cable Company. Cable vulcanizing support. 2,627,083, Feb. 3.

Wix Accessories Corporation, assignee: See—

Wicks, John D.

Wobler, Stanley A., North Wales, and W. B. Pearce, Ambler, Pa.; said Wobler assignor to said Pearce. Collapsible or folding high chair with a novel seat arrangement for locking. 2,627,300, Feb. 3.

Wolf, Stanley W., Detroit, Mich. Method of and apparatus for billing and inventorying stock. 2,627,224, Feb. 3.
 Wolfe, William E., Anderson, Ind. Door latch. 2,627,433, Feb. 3.

Wolff, Paul A.: See—

Hayward, John T., and Wolff.

Wollensak Optical Company, assignee: See—

Pirwitz, Friedrich A., and G. P. Sutton, and Schlueter, Pirwitz, Gustave P.

Wood, John G., Birmingham, and A. V. Jackson, assignors to General Motors Corporation, Detroit, Mich. Valve. 2,627,259, Feb. 3.

Woodward, Clarence M., Washington, D. C. Door latch. 2,627,434, Feb. 3.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Housing for electric switches and the like. 2,627,359, Feb. 3.

Wornall, Francis, Kansas City, Mo., assignor to K. C. Fire Nozzle & Equipment Co. Hose nozzle. 2,627,439, Feb. 3.

Wright, Richard C., Bay Village, assignor to Iron Fireman Manufacturing Company, Cleveland, Ohio. Fuel and air control for industrial stoker driven. 2,627,238, Feb. 3.

Wyeth Incorporated, assignee: See—

Szabo, Joseph L., and Bruce.

Yates, Albert A., Redondo Beach, Calif. Can orienting device. 2,627,345, Feb. 3.

York-Shibley, Inc., assignee: See—

Mohn, Henry L.

Young, Le Roy F., Barrington, R. I. Vernier controlled indicator rod clamp. 2,627,118, Feb. 3.

Young, Victor J.: See—

Browder, Jay E., and Young.

Zakheim, Murray, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Blending benzene hexachloride and a carrier. 2,627,488, Feb. 3.

Zerbe, Frederick K., Houston, Tex., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pressure vessel closure seal. 2,627,361, Feb. 3.

Zerner, Ernest, and M. W. Pollock, New York, assignors to Sun Chemical Corporation, Long Island City, N. Y. Copolymers of acrylonitrile with N-acryl N'-alanyl methylene diamides. 2,627,512, Feb. 3.

Ziebolz, Herbert: See—

Greenwood, Ivan A., Jr., Ziebolz, and Chaplin.

Zimmerman, Harry, New York, N. Y. Magnetic dart-projecting toy. 2,627,260, Feb. 3.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. S. Boerner. 1,162, Feb. 3.
 Rose plant. M. R. Jacobus. 1,163, Feb. 3.

Rose plant. H. A. M. Verschuren. 1,164, Feb. 3.

LIST OF DESIGN INVENTIONS

Atomiser. S. Frydender. 168,730, Feb. 3.
 Bank or similar article, Savings. J. S. Geneser. 168,740, Feb. 3.
 Cabinet, Combined clock and radio. S. E. Adler. 168,723, Feb. 3.
 Cabinet, Radio-phonograph. R. D. Budlong. 168,730, Feb. 3.
 Cart, Laundry. W. N. Kraus. 168,745, Feb. 3.
 Chair. F. Wagner. 168,772, Feb. 3.
 Comb or the like. J. C. Foster. 168,737, Feb. 3.
 Dispenser, Drink. E. Nelson. 168,753, Feb. 3.
 Dispenser or similar article, Cup. H. L. Bennett. 168,729, Feb. 3.
 Display device, Hostelry. H. B. Chaplin. 168,731, Feb. 3.
 Door for refrigerators or the like, Evaporator. R. C. Sandlin. 168,766, Feb. 3.
 Door for refrigerators or the like, Evaporator. L. P. Wassmann. 168,773, Feb. 3.
 Eraser and brush, Combined. W. Meyer. 168,750, Feb. 3.
 Fabric or similar article, Textile. H. Odzer. 168,755-9, Feb. 3.
 Fabric, Textile. E. White, IV. 168,774, Feb. 3.
 Feeder or similar article, Calif. K. L. Swanson. 168,771, Feb. 3.
 Grill and waffle baker or the like, Combination. J. N. Polivka. 168,762, Feb. 3.
 Handle for a waffle baker or the like. J. N. Polivka. 168,760, Feb. 3.
 Handle for waffle bakers and the like. J. N. Polivka. 168,761, Feb. 3.
 Handle, Umbrella. D. Miller. 168,751-2, Feb. 3.
 Headrest. J. T. Armbruster. 168,725, Feb. 3.
 Heater, Brooder. A. S. Friedman. 168,738, Feb. 3.

Heater, Space. W. N. Nelson. 168,754, Feb. 3.
 Holder, Clip-on lapel flower. E. Steiner. 168,770, Feb. 3.
 Holder for bathroom accessories, Sanitary. R. J. Laclura. 168,746, Feb. 3.
 Ice-cream cone or the like. A. A. G. Marcantonio. 168,748, Feb. 3.
 Lawn trimmer, Electric. J. and H. McMillan. 168,749, Feb. 3.
 Link chain for a bracelet or the like, Expandable. E. Rodriguez. 168,764-5, Feb. 3.
 Mitt, Signaling. A. F. Annspaugh. 168,726, Feb. 3.
 Mower, Power. A. Sarlo. 168,767, Feb. 3.
 Ornament or similar article, Handbag. L. J. Coblentz. 168,734, Feb. 3.
 Ring. E. Steiner. 168,769, Feb. 3.
 Saw, Chain. A. W. Mall. 168,747, Feb. 3.
 Sheet or similar article, Plastic. H. Schlesinger. 168,768, Feb. 3.
 Shoe or similar article. P. E. Hiestand. 168,744, Feb. 3.
 Sled, Ski. A. J. Glunz. 168,741, Feb. 3.
 Stocking. G. Claus. 168,733, Feb. 3.
 Stocking. D. E. Henk. 168,743, Feb. 3.
 Tile, Acoustical correction. T. Pristand. 168,763, Feb. 3.
 Tire. G. O. Beckman. 168,728, Feb. 3.
 Toy automobile. P. J. Christopher. 168,732, Feb. 3.
 Toy, Flying. C. A. Anderson. 168,724, Feb. 3.
 Toy trolley. E. Handler. 168,742, Feb. 3.
 Tray, Serving. L. H. Barnett and H. Brin. 168,727, Feb. 3.
 Visor, Student pilot's instruction. B. M. Cooper, A. M. Parkison, and G. A. Storck. 168,736, Feb. 3.
 Windshield cleaner and clothes hanger, Combined. S. Coleman. 168,735, Feb. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3d DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive-coated sheet material, Conformable. R. S. Frigstad. 2,627,145, Feb. 3.
Activation and esterification of amylose polysaccharides. R. L. Lohmar, Jr. 2,627,316, Feb. 3.
Adapter for faucets. T. A. Bulckerood. 2,627,387, Feb. 3.
Adjustable bus seat. E. M. Martin. 2,627,299, Feb. 3.
Adjustable spring carter door support. R. E. Slope. 2,627,081, Feb. 3.
Agitator drive assembly. I. S. Brumagim. 2,627,171, Feb. 3.
Air bearing. H. I. Becker. 2,627,443, Feb. 3.
Air conditioning unit for automotive vehicles. S. S. Katz. 2,627,218, Feb. 3.
Air density compensating fuel feeding system for gas turbines. F. C. Mock. 2,627,305, Feb. 3.
Air duct. S. Komar. 2,627,430, Feb. 3.
Air exhauster. C. N. O'Day. 2,627,219, Feb. 3.
Alkyd resins, Long oil. F. G. Lum. 2,627,508, Feb. 3.
Alkyl ketene dimer emulsion, Higher. W. F. Downey. 2,627,477, Feb. 3.
Aluminum-silicon alloys, Production of. L. J. Lichty. 2,627,458, Feb. 3.
Ambient-temperature compensated device. W. G. Fastie. 2,627,530, Feb. 3.
Amplifier and converter unit for radio apparatus, Tunable. C. Wassmang. 2,627,579, Feb. 3.
Amplifier, Microwave energy. W. M. Gottschalk. 2,627,586, Feb. 3.
Angular velocity responsive apparatus. J. Lyman, R. E. Barnaby, and R. Proskauer. 2,627,400, Feb. 3.
Animal trap. H. A. Kowki. 2,627,137, Feb. 3.
Antioxidant for petroleum products. A. R. Jones and J. O. Smith, Jr. 2,627,511, Feb. 3.
Antilocking device. E. L. Leppich. 2,627,268, Feb. 3.
Antistatographic operation, Means and method of. O. S. Spertl. 2,627,591, Feb. 3.
Antisiphon valve. S. C. Somers. 2,627,278, Feb. 3.
Apparatus adapted for the removal of leaves and grass and the like. S. A. Shuler, Jr. and C. E. Crofoot. 2,627,155, Feb. 3.
Apparatus adapted to wash the roofs of railway and like vehicles, and embodying a vertically swinging brush-carrying frame. L. D. Holmes. 2,627,080, Feb. 3.
Apparatus for assembling threaded parts. J. Kludt and H. Parks. 2,627,108, Feb. 3.
Apparatus for controlling slip of vehicle wheels. W. F. Poore. 2,627,432, Feb. 3.
Apparatus for electrolysis of alkali metal compounds. W. C. Gardiner. 2,627,501, Feb. 3.
Apparatus for forming plastic strips. R. C. Rahm. 2,627,085, Feb. 3.
Apparatus for heating hydrogen peroxide. J. G. Tschinkel. 2,627,454, Feb. 3.
Apparatus for making thermoplastic resin bags. N. H. Nye. 2,627,213, Feb. 3.
Apparatus for making tubular radiator cores. S. Przyborski. 2,627,241, Feb. 3.
Apparatus for manufacturing ice-cream cake confections and the like. P. M. Angell. 2,627,237, Feb. 3.
Apparatus for manufacturing ice-cream cake rolls and the like. P. M. Angell and W. J. Neen. 2,627,236, Feb. 3.
Apparatus for measuring flame temperatures. H. M. Strong and F. P. Bundy. 2,627,202, Feb. 3.
Apparatus for tension-calendering fabric. W. J. Secrest. 2,627,296, Feb. 3.
Apparatus for the manufacture of threads or filaments. A. O. Ryan. 2,627,084, Feb. 3.
Applying inked indicia to a rubber article using an image reproducing film. A. L. Smith. 2,627,485, Feb. 3.
Applying inked indicia to a rubber balloon. A. L. Smith. 2,627,486, Feb. 3.
Aseptic package with steam permeable seal. B. D. Morgan. 2,627,341, Feb. 3.
Aspiration pyrometer. J. F. Quereau and A. B. Teague. 2,627,182, Feb. 3.
Attachment for making stitched hems. J. P. Enos. 2,627,239, Feb. 3.
Attachment plug. S. M. Weissberg. 2,627,537, Feb. 3.
Auger bit. K. Kronwall. 2,627,292, Feb. 3.
Automatic lock. F. J. Borup. 2,627,435, Feb. 3.
Automatic titration system. R. T. Sheen. 2,627,453, Feb. 3.
Averaging device. J. Razek. 2,627,372, Feb. 3.
Awning structure. J. N. Dugan. 2,627,309, Feb. 3.
Bactracin, Production of. W. L. Keko, R. E. Bennett, and F. C. Arnsberger. 2,627,494, Feb. 3.
Bacon canning. G. E. Brissey. 2,627,473, Feb. 3.
Ball, Artificial. C. J. Franklin. 2,627,135, Feb. 3.
Ball or lure, Fish. C. C. Sinclair. 2,627,136, Feb. 3.
Baling machine for compacting straw and stalks from harvesting machines into cylindrical bales. H. J. Berge. 2,627,223, Feb. 3.
Ball retarder. L. S. Breen. 2,627,409, Feb. 3.
Band saw attachment for machine tools. A. Stelner. 2,627,288, Feb. 3.
Band width reducing system and method. R. D. Kela. 2,627,549, Feb. 3.
Banding of roofing material. F. Stencil. 2,627,153, Feb. 3.
Bathroom fixture. H. Karp. 2,627,074, Feb. 3.
Battery terminal post mounting. H. E. Jensen. 2,627,533, Feb. 3.
Battery with conductive cement intercell connections. R. D. Arbogast. 2,627,534, Feb. 3.
Battery with cross-over intercell connectors, Electric. M. E. Wilke. 2,627,532, Feb. 3.
Bearing: See—
Air bearing.
Belt-drive power transfer system. E. E. Masterson. 2,627,186, Feb. 3.
Belt structure, Elastic. H. A. Boyles. 2,627,093, Feb. 3.
Billiard table leveling apparatus. E. H. Acland. 2,627,407, Feb. 3.
Billing and inventorying stock, Method of and apparatus for. H. W. Wolf. 2,627,224, Feb. 3.
Bit: See—
Auger bit.
Tool bit.
Blanket tensioning means. W. F. Huck, F. Heller, and A. J. Albrecht. 2,627,230, Feb. 3.
Blending benzene hexachloride and a carrier. M. Zakheim. 2,627,488, Feb. 3.
Block assembly. S. S. Levy. 2,627,176, Feb. 3.
Blown tail oil reaction products. W. H. Kirkpatrick and E. T. Kocher. 2,627,514, Feb. 3.
Blowtorch with elastic air supply jacket, Liquid fuel. H. B. Lange and R. E. Christian. 2,627,304, Feb. 3.
Board: See—
Cement finishing knee board.
Boat bailing attachment for outboard motors. E. C. Klekhafer. 2,627,242, Feb. 3.
Bobbin winding machine and bobbin supply means therefor. B. A. Peterson. 2,627,380, Feb. 3.
Body for rockets and rocketlike vehicles. F. Kraemer. 2,627,231, Feb. 3.
Boiler water treatment. P. G. Bird. 2,627,502, Feb. 3.
Bonding nickel structures. J. S. Hickey, Jr. 2,627,110, Feb. 3.
Bowling pin setter. R. B. Beranek. 2,627,408, Feb. 3.
Box: See—
Cream box.
Box, F. A. Pontil. 2,627,358, Feb. 3.
Box stamper. G. A. Barton. 2,627,225, Feb. 3.
Brake apparatus, Fluid pressure. A. T. Gorman. 2,627,441, Feb. 3.
Brake head arrangement. C. E. Tack. 2,627,322, Feb. 3.
Brakehead wear plate retainer. M. S. Johnson. 2,627,326, Feb. 3.
Brake rotor. W. A. Helsten. 2,627,325, Feb. 3.
Bubble cap assembly for fractionating apparatus. H. V. Hendrix. 2,627,397, Feb. 3.
Buffing wheel. G. A. Lyon. 2,627,146, Feb. 3.
Burner: See—
Concentric gas and air nozzle burner.
Cabinet: See—
Ledger tray cabinet.
Radio phonograph cabinet.
Cable vulcanizing support. H. C. Whitthoft. 2,627,083, Feb. 3.
Cage net. W. A. Bedford, Jr. 2,627,294, Feb. 3.
Camera tripod, Collapsible. W. R. Akane. 2,627,386, Feb. 3.
Can orienting device. A. A. Yates. 2,627,345, Feb. 3.
Can spout, Detachable. W. F. Bork. 2,627,367, Feb. 3.
Can weighing machine divider device. G. M. Stone. 2,627,348, Feb. 3.
Candle and making. W. Weglin. 2,627,174, Feb. 3.
Cap: See—
Lady's cap.
Carburetor. E. Rivoche. 2,627,395, Feb. 3.
Carburetor economizer mechanism. R. H. Hieger. 2,627,279, Feb. 3.
Cargo carrier. G. Munro. 2,627,355, Feb. 3.
Carriage construction for accounting and the like machines, Front-feed paper. T. M. Butler. 2,627,333, Feb. 3.

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Carrier: See—
Cargo carrier.
Carton closing machine, Automatic. B. S. Harrington. 2,627,152, Feb. 3.
Case for condition indicating device. T. G. Haney. 2,627,312, Feb. 3.
Casket display and storage apparatus. B. Magid. 2,627,353, Feb. 3.
Catalog binder. S. Segal. 2,627,272, Feb. 3.
Catalytic distillation of shale. R. W. Krebs. 2,627,499, Feb. 3.
Catalytic heater. D. M. Stadd and R. P. Schreiber. 2,627,306, Feb. 3.
Cathode-ray tube. H. W. Kohler. 2,627,587, Feb. 3.
Cement finishing knee board. T. D. Emmett. 2,627,301, Feb. 3.
Cement manufacture. F. D. De Vane. 2,627,309, Feb. 3.
Chain saw jig. R. M. Parr. 2,627,101, Feb. 3.
Chain stop, Electric fixture pull. J. Legere and E. M. Groman. 2,627,569, Feb. 3.
Chair with a novel seat arrangement for locking, Collapsible or folding high. S. A. Wohler and W. B. Pearce. 2,627,300, Feb. 3.
Choke joint high-frequency heater. M. E. Hiehl and P. W. Morse. 2,627,571, Feb. 3.
Circuit: See—
Control circuit.
Electromagnetic scanning amplifier circuit.
Electronic motor control circuit.
Ground leak measuring circuit.
Photoelectric control circuit.
Circuit breaker, Electric. E. A. Ericson. 2,627,564, Feb. 3.
Circuit breaker, Electric. W. A. Thomas. 2,627,563, Feb. 3.
Circuit interrupter. W. M. Leeds. 2,627,566, Feb. 3.
Clamp: See—
Dental inlay clamp.
Versier controlled indicator rod clamp.
Clamping device. W. J. Kear. 2,627,210, Feb. 3.
Cleaner: See—
Jewelry cleaner.
Cleaning deposits of soot and the like from passages. C. D. MacCracken. 2,627,149, Feb. 3.
Cleaning spark plugs and composition therefor. T. G. McDougal, E. W. Pierce, and W. A. Bychinsky. 2,627,148, Feb. 3.
Clip: See—
Wire spring clip.
Clutch: See—
Vane type fluid clutch.
Clutch plate. G. L. Goodwin. 2,627,332, Feb. 3.
Color phasing system. A. N. Goldsmith. 2,627,548, Feb. 3.
Combustion apparatus using preheated air. W. M. Hepburn. 2,627,398, Feb. 3.
Compressor, Hermetic refrigeration. J. Touborg. 2,627,170, Feb. 3.
Concentration of methionine in amino acid mixtures. R. A. Noll and O. D. Frampton. 2,627,526, Feb. 3.
Concentric gas and air burner. C. J. Westling. 2,627,307, Feb. 3.
Condenser with supplemental sealing member therein. J. B. Brennan. 2,627,538, Feb. 3.
Control apparatus. R. R. Stevens. 2,627,328, Feb. 3.
Control apparatus for plural clutch operation. R. R. Stevens. 2,627,168, Feb. 3.
Control arrangement for auxiliary compartments for refrigerators. E. F. Shell. 2,627,393, Feb. 3.
Control circuit. W. L. Morris. 2,627,392, Feb. 3.
Control mechanism for electrically driven apparatus. J. M. Eitel. 2,627,560, Feb. 3.
Conveyor. W. S. Whiting, Jr. 2,627,339, Feb. 3.
Conveyor and shifter guide mechanism. E. R. Koppel and W. J. Walters. 2,627,334, Feb. 3.
Conveyor for conduits and similar elongated articles. A. C. Adams. 2,627,340, Feb. 3.
Conveyor shoe and supporting frame. F. W. Vodoz. 2,627,338, Feb. 3.
Cooling tower. E. Simons. 2,627,396, Feb. 3.
Copolymers of acrylonitrile with N-acryl N'-alanoyl methylene diamides. E. Zerner and M. W. Pollock. 2,627,512, Feb. 3.
Couch construction. L. E. Mitzenmacher. 2,627,076, Feb. 3.
Coupling: See—
Rotary fluid coupling.
Coupling means for detachably joining pipes. H. C. Engelman. 2,627,429, Feb. 3.
Crank arm adjustable in length and angular position. A. W. Gaubatz. 2,627,188, Feb. 3.
Cream box. J. Gabler. 2,627,365, Feb. 3.
Crop pickup reel. K. J. Van Sickle. 2,627,158, Feb. 3.
Crossbar system switchboard construction. E. L. Earle and R. P. Arthur. 2,627,554, Feb. 3.
Crossbar plant blocking machine. G. W. Howard. 2,627,210, Feb. 3.
Cushioning device. A. E. Forsyth. 2,627,077, Feb. 3.
Cutter holder for stone dressers and the like. P. Weynand. 2,627,262, Feb. 3.
Cutting adhesive material and mounting the same upon a card. Apparatus and method of. H. Connor and H. E. Hoce. 2,627,212, Feb. 3.
Cutting bar for mowing machines. R. Carter. 2,627,156, Feb. 3.
Cylinder block for internal-combustion engine cooling. E. C. Klekhafer. 2,627,256, Feb. 3.
Dental inlay clamp. J. I. Moray. 2,627,113, Feb. 3.
Desk for attachment to furniture drawers. S. D. Altman. 2,627,444, Feb. 3.
Determination of pitch frequency of complex wave. R. L. Miller. 2,627,541, Feb. 3.
Dial and pointer assembly for indicators. V. R. Kimball. 2,627,245, Feb. 3.
Dielectric containing halogenated aromatic hydrocarbon and mono ortho tolyl biguanide as corrosion inhibitor. E. E. Hardy. 2,627,504, Feb. 3.
Discharge device for can weighing machines. G. M. Stone. 2,627,340, Feb. 3.
Dispenser for liquids and pulverulent materials. D. Brody. 2,627,303, Feb. 3.
Dispensing apparatus, Coin-controlled beverage. E. J. St. Lawrence. 2,627,360, Feb. 3.
Disproportionation of allene derivatives. C. E. Erickson and G. H. Wagner. 2,627,451, Feb. 3.
Distillation of fatty acids, tall oil, and the like. R. H. Potts and H. N. Olson. 2,627,500, Feb. 3.
Dolly for handling furniture. F. J. McNamara. 2,627,425, Feb. 3.
Door and drawer assembly for cooking ranges. W. N. Nelson and L. C. Griffin. 2,627,264, Feb. 3.
Doorknob spindle securing means. R. C. Cerf, Jr. 2,627,436, Feb. 3.
Door latch. W. E. Wolfe. 2,627,433, Feb. 3.
Door latch. C. M. Woodward. 2,627,434, Feb. 3.
Drawer guide. F. Cook. 2,627,447, Feb. 3.
Drill: See—
Lapidary drill.
Driver bits, Making. G. E. Jenney, Jr., H. F. Phippard, Jr., and F. K. Brown. 2,627,192, Feb. 3.
Driving apparatus. D. R. Andrews. 2,627,596, Feb. 3.
Dyeing of polyester fibers with acid leuco vat dyes. H. Luttrellhaus. H. R. Mautner, and A. A. Arcus. 2,627,449, Feb. 3.
Dynamic braking control system. A. V. Johanson. 2,627,597, Feb. 3.
Easel, Body supported. F. A. Davidson. 2,627,139, Feb. 3.
Elastic fluid power plant. H. R. Nilsson and T. I. Lindhagen. 2,627,162, Feb. 3.
Elastic fluid power system utilizing a rotary engine with cooled rotors. T. I. Lindhagen and H. R. Nilsson. 2,627,161, Feb. 3.
Electric discharge device. G. Lewin. 2,627,481, Feb. 3.
Electrical apparatus. R. B. Clark. 2,627,583, Feb. 3.
Electrical system. H. E. Tompkins. 2,627,539, Feb. 3.
Electrocardiographs, Multiple-lead. N. Marchand. 2,627,267, Feb. 3.
Electromagnetic scanning amplifier circuit. C. R. Knight. 2,627,588, Feb. 3.
Electron gun for cathode-ray tubes. W. H. Van Ornum. 2,627,585, Feb. 3.
Electronic motor control circuit. O. E. Sawyer and H. R. Warren. 2,627,594, Feb. 3.
Endless tread traction attachment for vehicles. C. Junker. 2,627,442, Feb. 3.
Energiizer for petroleum fuels. K. C. Alward. 2,627,257, Feb. 3.
Engine: See—
Rotary gas engine.
Engine and operating the same, Two-cycle. E. C. Klekhafer. 2,627,255, Feb. 3.
Engine block heater. M. J. Mariska. 2,627,258, Feb. 3.
Engine compressor control. A. Bernal. 2,627,371, Feb. 3.
Engine pressure control apparatus, Combustion. S. Crum. 2,627,370, Feb. 3.
Epoxy alkane phosphonates. H. W. Coover, Jr. 2,627,521, Feb. 3.
Equipment for the preparation and storage of food. C. T. Lyon. 2,627,445, Feb. 3.
Erecting apparatus for storage structures. W. M. Schiefelbein. 2,627,390, Feb. 3.
Exothermic catalytic reactions, Method and apparatus for carrying out. R. W. Krebs and W. K. Lewis, Jr. 2,627,522, Feb. 3.
Fabric: See—
Two-way stretch fabric.
Fastener: See—
Self-piercing fastener.
Fastening device. W. A. Bedford, Jr. 2,627,094, Feb. 3.
Fastening objects to cylindrical bodies, Means for. R. H. Sechrist. 2,627,431, Feb. 3.
Feed plate for stapling machines. W. O. Stearns. 2,627,071, Feb. 3.
Feeder conveyor actuator. H. C. Lyons. 2,627,337, Feb. 3.
Feeding apparatus. N. Cordis. 2,627,336, Feb. 3.
Feeding mechanism for automatic firearms. C. E. Simpson. 2,627,208, Feb. 3.
Fender straightening machine. C. E. Jackson. 2,627,295, Feb. 3.
Fertilizer and lime spreader. N. I. Schaffer and N. Leak. 2,627,364, Feb. 3.
File, Paper or bill. H. F. Beckard. 2,627,273, Feb. 3.
Film-forming composition, Dulled. H. L. Bewick and K. H. Brown. 2,627,478, Feb. 3.
Filter. H. S. Ogden. 2,627,351, Feb. 3.
Filter cartridge. J. D. Wicks. 2,627,350, Feb. 3.
Filter holder. G. F. Bell. 2,627,207, Feb. 3.
Fish lure. J. F. Fitzgerald. 2,627,134, Feb. 3.

- Fishing line and lure clamp for fishing poles. D. I. Fletcher. 2,627,133, Feb. 3.
- Fishing reel. R. F. Tibbetta. 2,627,383, Feb. 3.
- Flask hoist for foundry molding machines. S. J. Gedris. 2,627,335, Feb. 3.
- Flight control apparatus. O. E. Esval. 2,627,384, Feb. 3.
- Flour mill with centrifugally controlled feeding means. Attrition-type. R. Lee. 2,627,376, Feb. 3.
- Flow control system. S. L. Adelson. 2,627,280, Feb. 3.
- Flow controller. C. H. Moore. 2,627,281, Feb. 3.
- Flowmeter, ionization type gas. A. A. Obermayer. 2,627,543, Feb. 3.
- Field pressure operated positioning apparatus for motor valves. A. L. Bryant. 2,627,240, Feb. 3.
- Fluid transfer device for rotary pump and turbine fluid couplings. J. E. Becker. 2,627,107, Feb. 3.
- Fluorine chewing gum process. F. G. Merckel and L. Reiner. 2,627,493, Feb. 3.
- Fluorine-containing lubricant. H. L. Conradt, B. W. Rope, and A. N. Sachaen. 2,627,528, Feb. 3.
- Focusing of electron optical apparatus. S. G. Ellis. 2,627,589, Feb. 3.
- Foldable ration heater. G. L. Anderson. 2,627,203, Feb. 3.
- Form for progressively molding concrete walls. T. Jelks. 2,627,100, Feb. 3.
- Frame: See—
- Motor vehicle body frame.
- Frankfurters, Producing skinless. J. L. Lewis. 2,627,466, Feb. 3.
- Frozen confection package and container therefor. J. Valenta. 2,627,472, Feb. 3.
- Fuel and air control for industrial stoker drives. R. C. Wright. 2,627,238, Feb. 3.
- Fume hood. H. S. Morrow. 2,627,220, Feb. 3.
- Furniture, Convertible nursery. R. W. Brown. 2,627,298, Feb. 3.
- Game apparatus. R. H. Bronson. 2,627,412, Feb. 3.
- Game, Ball actuated racing. T. C. Bartlam, B. R. Burke, D. H. Wiser, and V. C. Engstrom. 2,627,411, Feb. 3.
- Game scoring device and ash tray. R. G. Mulder. 2,627,374, Feb. 3.
- Gamma control. A. V. Bedford. 2,627,547, Feb. 3.
- Garbage disposal. J. H. Benson. 2,627,075, Feb. 3.
- Garment, Heat-resistant. H. A. and C. P. Frommelt and R. A. Phillips. 2,627,072, Feb. 3.
- Gasification process and apparatus. C. H. G. Berg. 2,627,453, Feb. 3.
- Gasket material and making same. G. C. Martiq and A. J. Sears. 2,627,482, Feb. 3.
- Gauge for adjustable roller bearings. Spacer. S. E. Hotchkiss. 2,627,120, Feb. 3.
- Gauge for indicating camber, caster, and axle inclination of wheels. G. H. Taber. 2,627,123, Feb. 3.
- Gear: See—
- Power steering gear.
- Gear finishing machine. W. S. Praeg. 2,627,141, Feb. 3.
- Gear for motor-driven vehicles, Differential. P. Böttcher. 2,627,190, Feb. 3.
- Gear for trailer vehicles, Landing. A. J. Chaplin. 2,627,424, Feb. 3.
- Generator: See—
- Saw-tooth wave generator.
- Golf club grip. F. Mlakhsia. 2,627,410, Feb. 3.
- Grass deflector for mowers. W. L. Weakland. 2,627,157, Feb. 3.
- Grinding, attachment for lawn mower, sharpening machines. J. M. Mickel. 2,627,142, Feb. 3.
- Ground leak measuring circuit. T. A. Rich. 2,627,540, Feb. 3.
- Gun stork for automatic guns, Dropped. S. Dolgiacius. 2,627,132, Feb. 3.
- Hair curler. K. Kivluoma. 2,627,275, Feb. 3.
- Hair testing device. S. Grant. 2,627,179, Feb. 3.
- Hair-waving device. J. Schneiderman. 2,627,274, Feb. 3.
- Heat exchange conduit for oil coolers. S. Prayborowski. 2,627,283, Feb. 3.
- Heater: See—
- Catalytic heater. Engine block heater.
- Choke joint high-frequency Foldable ration heater.
- Heater and furnace, Air circulating. S. D. Tate. 2,627,265, Feb. 3.
- Heater assembly, Water. H. L. Mohr. 2,627,252, Feb. 3.
- Holating device. R. B. Crookston and W. L. Chappell. 2,627,301, Feb. 3.
- Holder: See—
- Filter holder. Stylus holder.
- Plumb line holder. Toilet paper roll holder.
- Hollow article. H. H. Fink and W. E. Fabing. 2,627,360, Feb. 3.
- Housing for electric switches and the like. C. A. Woodward. 2,627,359, Feb. 3.
- Hydraulic power transmission apparatus. G. A. Arvidson. 2,627,324, Feb. 3.
- Hydraulic power unit. J. A. Lauck. 2,627,232, Feb. 3.
- Hydraulic press. V. Berthelsen. 2,627,289, Feb. 3.
- Hydraulic safety device for screw elevators. J. A. Brubaker. 2,627,321, Feb. 3.
- Hydrogenolysis process for the production of a good quality gas oil and gasoline from a heavy residuum hydrocarbon oil. W. C. Lanning. 2,627,495, Feb. 3.
- Hydroxy carbamates and producing same. J. D. Malke-mus. 2,627,524, Feb. 3.
- Indicator: See—
- Relative humidity indica-tor.
- Iodophenazines as catalysts in dye bleach baths for color photography. J. S. Friedman. 2,627,461, Feb. 3.
- Induction heating of recording stylus. H. F. Schoenebl and H. D. Ward. 2,627,416, Feb. 3.
- Inhibition of gelation of polymerizable mixtures. E. E. Parker. 2,627,510, Feb. 3.
- Insect repellents. P. D. Bartlett, H. J. Dauben, Jr., and A. Schneider. 2,627,490, Feb. 3.
- Insect repellents. N. L. Drake, W. J. Shenk, and C. M. Eaker. 2,627,487, Feb. 3.
- Insect repellents. N. L. Drake and S. Melamed. 2,627,489, Feb. 3.
- Instrument, Drafting. L. A. Cangialosi. 2,627,116, Feb. 3.
- Instrument, Navigational. J. W. Barnes. 2,627,180, Feb. 3.
- Jewelry cleaner. C. E. Eggleton. 2,627,276, Feb. 3.
- Keying apparatus, Settable. J. R. MacKay. 2,627,599, Feb. 3.
- Knitting machine, Circular. E. F. Reichert. 2,627,172, Feb. 3.
- Lady's cap. L. H. Stonestreet. 2,627,073, Feb. 3.
- Lamp shade structure with angularly adjustable panels, Fluorescently illuminated. D. Charleston. 2,627,131, Feb. 3.
- Lamp with bi-metallic filament support, Flashing incan-descent. S. G. Öhlund. 2,627,590, Feb. 3.
- Lapidary drill. E. L. Cox and N. H. Nye. 2,627,261, Feb. 3.
- Lapping machine. R. G. Roshong. 2,627,144, Feb. 3.
- Latch: See—
- Door latch.
- Latch mechanism for adjusting drag scraper operation. J. Bernard. 2,627,127, Feb. 3.
- Lathe. R. G. Le Tourneau. 2,627,197, Feb. 3.
- Lathe tool. E. J. Malco. 2,627,107, Feb. 3.
- Ledger tray cabinet. N. S. Welk. 2,627,446, Feb. 3.
- Level. L. H. Pippin. 2,627,115, Feb. 3.
- Lever hose and valve. J. F. Comer. 2,627,282, Feb. 3.
- Lifting device for trucks and vehicles. N. A. Swartz and D. L. Creager. 2,627,389, Feb. 3.
- Liquid indophenol sulfonized vat dyes and making them. E. D. Robinson and D. F. Mason. 2,627,450, Feb. 3.
- Liquid level rate of change indicating device. J. T. Hay-ward and P. A. Wolff. 2,627,178, Feb. 3.
- Liquid level regulating apparatus. S. G. Glick. 2,627,366, Feb. 3.
- Lithium chloride from apodumene, Preparation of. G. L. Cunningham. 2,627,452, Feb. 3.
- Lock: See—
- Automatic lock.
- Lock nut. J. H. Le Boeuf. 2,627,203, Feb. 3.
- Locking device, Draft key retainer. M. S. Johnson. 2,627,198, Feb. 3.
- Loom: See—
- Wet replenishing loom.
- Lubricating system. L. C. Rotter. 2,627,320, Feb. 3.
- Machine for grinding files. T. W. Beyer. 2,627,143, Feb. 3.
- Machine for pressing pulp articles. M. P. Chaplin. 2,627,211, Feb. 3.
- Machine for producing covers and opener lever assemblies. J. P. Whelan. 2,627,104, Feb. 3.
- Magnesium oxychloride cement manufacture. L. K. Hern-don. 2,627,476, Feb. 3.
- Magnetic closure. Flexible. R. Ellis. 2,627,097, Feb. 3.
- Magnetometer. T. Koulozmire. 2,627,542, Feb. 3.
- Measuring device, Cocktail ingredient. J. T. Jones. 2,627,184, Feb. 3.
- Metal oxide gel catalysts, Preparation of. E. A. Hunter and C. N. Kimberlin, Jr. 2,627,500, Feb. 3.
- Meter: See—
- Piston type fluid meter.
- Microphone, Unidirectional. A. M. Wiggins. 2,627,558, Feb. 3.
- Mirror, Dental mouth. H. L. Clark. 2,627,206, Feb. 3.
- Mixer: See—
- Rubber foam mixer.
- Mobile carriage for tripod gun mounts. S. G. Green, W. H. D'Ardenne, W. J. Melnel, and W. Devore. 2,627,209, Feb. 3.
- Molature resistant compositions of resins and fibrous fillers. C. R. Faeltan. 2,627,297, Feb. 3.
- Molding machine. T. L. Hallebeck. 2,627,086, Feb. 3.
- Motor: See—
- Windshield wiper motor.
- Motor control system for regulating tension. E. W. Hutton and R. C. Locke. 2,627,502, Feb. 3.
- Motor frame having coolant system incorporated therein, Electric. R. R. Hayes. 2,627,582, Feb. 3.
- Motor vehicle body frame. M. H. Toncray, W. I. Nyquist, and C. W. Cenzler. 2,627,426, Feb. 3.
- Motor vehicle body frame. M. H. Toncray and F. S. Spring. 2,627,437, Feb. 3.
- Motor vehicle switch. J. F. Ruchinski. 2,627,568, Feb. 3.
- Mounting: See—
- Battery terminal post mounting.
- Mucking machine. A. R. Biedess. 2,627,357, Feb. 3.
- Nozzle burner. J. K. Clark. 2,627,398, Feb. 3.

- Nozzle for gasoline dispensers, Flow control. F. H. Alna-worth. 2,627,418, Feb. 3.
- Nozzle, Fuel injection. K. J. De Juhaz. 2,627,254, Feb. 3.
- Nozzle, Hose. F. Wornall. 2,627,439, Feb. 3.
- One-half wave length resonant explosion gas unit. J. H. Anderson and G. Farnell. 2,627,163, Feb. 3.
- 1-(2-N-piperidinoethylamino)-4-methylthiazanthones and their preparation. S. Archer. 2,627,518, Feb. 3.
- Optical image dissecting apparatus. B. O'Brien. 2,627,199, Feb. 3.
- Organic acid esters of cellulose, Production of. B. B. White and P. Blackman. 2,627,515, Feb. 3.
- Oriented coated films, Preparation of. F. P. Alles and W. B. Saner. 2,627,088, Feb. 3.
- Orthodontic appliance. H. J. Russell. 2,627,112, Feb. 3.
- Oscillator, Lighthouse tube. L. E. Barton. 2,627,577, Feb. 3.
- Oscillator, Tunable high-frequency. N. E. Klein. 2,627,578, Feb. 3.
- Oxidation of olefins to alkenals. G. C. Connolly and D. L. Cottle. 2,627,527, Feb. 3.
- Oxidizing asphalt. D. F. Plink, R. A. Greger, and F. R. Aldberg. 2,627,498, Feb. 3.
- Package. O. E. Selforth. 2,627,470, Feb. 3.
- Package forming and sealing machine. V. L. Cheney and M. E. Tobey. 2,627,150, Feb. 3.
- Packaging material. L. E. Dowd. 2,627,471, Feb. 3.
- Packaging material and making. L. E. Dowd. 2,627,483, Feb. 3.
- Pad dyeing composition. J. M. Kuhn. 2,627,507, Feb. 3.
- Paint, Fire-retardant. R. W. Crake. 2,627,475, Feb. 3.
- Panel securing mechanism. W. G. Landwiler. 2,627,352, Feb. 3.
- Paper, Corrugated. P. Brown. 2,627,484, Feb. 3.
- Paper gripper, Proof press. F. Barney. 2,627,226, Feb. 3.
- Paper label strip, Fanfolded. J. Weimont. 2,627,427, Feb. 3.
- Peble heater apparatus and method for heat exchange. S. P. Robinson. 2,627,497, Feb. 3.
- Pelletizing process. H. J. Kerkey, Jr. 2,627,457, Feb. 3.
- Pen with ball-bearing mount, Ball-point. M. J. Reed. 2,627,247, Feb. 3.
- Pencil with lead advancing means, Mechanical. R. B. Johnson. 2,627,246, Feb. 3.
- Pentadilla salts of substituted alkylene diamines. J. L. Szabo and W. F. Bruce. 2,627,491, Feb. 3.
- Perforator, Gun. J. McDevitt. 2,627,111, Feb. 3.
- Phase shift system. J. E. Browder and V. J. Young. 2,627,598, Feb. 3.
- Photograph turntable mechanism. A. W. Sear. 2,627,414, Feb. 3.
- Photoelectric control circuit. J. B. Powers. 2,627,347, Feb. 3.
- Photographic film unit containing a liquid, Sealed. E. H. Land. 2,627,460, Feb. 3.
- Photographic film unit having a frangible fluid container therein. E. H. Land. 2,627,459, Feb. 3.
- Photographic objective comprising two half systems en-closing the diaphragm, Corrected four-unit. A. W. Trounler. 2,627,205, Feb. 3.
- Photographic objective of high light-transmitting capacity, Four-component Gauss-type. A. W. Trounler. 2,627,204, Feb. 3.
- Photographic shutter with synchroizer. F. A. and G. P. Pirwitz. J. H. Sutton, and G. H. Schneider. 2,627,215, Feb. 3.
- Photographic shutter with synchroizer. G. P. Pirwitz. 2,627,214, Feb. 3.
- Photographing machine, Document. R. M. Hessert. 2,627,203, Feb. 3.
- Pickup construction. S. D. Russell. 2,627,159, Feb. 3.
- Pickup for gauging devices, Electromagnetic. E. W. Graham. 2,627,119, Feb. 3.
- Pin: See—
- Safety pin.
- Piston type fluid meter. W. H. Marsh. 2,627,250, Feb. 3.
- Plate cylinder for rotary printing machines. P. Dietrich. 2,627,229, Feb. 3.
- Plating. A. M. Hess. 2,627,310, Feb. 3.
- Plug: See—
- Attachment plug.
- Plug and valve device for well casings, Cementing. R. C. Baker and R. L. Austin. 2,627,314, Feb. 3.
- Plumb line holder. A. La Rock. 2,627,124, Feb. 3.
- Plunger mounting for turkeys. D. W. Strom. 2,627,105, Feb. 3.
- Porous electrode. H. Vogt. 2,627,531, Feb. 3.
- Portable catching apparatus. S. A. Stanton. 2,627,138, Feb. 3.
- Power feed and brake operating mechanism for motor vehicles, Plural. M. P. Deputy. 2,627,320, Feb. 3.
- Power steering gear. F. W. Davis. 2,627,187, Feb. 3.
- Preclusion selector. J. B. Edwards. 2,627,373, Feb. 3.
- Precision boring device. E. V. Statia, Sr. 2,627,193, Feb. 3.
- Press: See—
- Hydraulic press. Tie and garment press.
- Press, especially a veneering press. V. Berthelsen. 2,627,290, Feb. 3.
- Press for laminated lumber. D. W. Smith and H. Hall. 2,627,291, Feb. 3.
- Presser foot for sewing machines. R. E. Johnson and C. A. Kessler. 2,627,240, Feb. 3.
- Pressing machine, Vertical trouser. A. B. Jones. 2,627,128, Feb. 3.
- Pressure translator. I. A. Greenwood, Jr., H. Ziebold, and A. L. Chaplin. 2,627,183, Feb. 3.
- Pressure vessel closure seal. F. K. Zerbe. 2,627,361, Feb. 3.
- Producing and recording simple and composite notes or tones, Method and means for. A. H. Frisch and A. Silverberg. 2,627,413, Feb. 3.
- Producing stabilization in soil masses. J. W. Poulter. 2,627,169, Feb. 3.
- Producing visual likenesses with the aid of radio waves, Method of and apparatus for. R. H. Blinn. 2,627,600, Feb. 3.
- Profile turning and boring lathe. L. A. Leifer and C. H. Johnson. 2,627,194, Feb. 3.
- Protecting hood for implement drivers. O. T. Hainke and C. E. Leurance. 2,627,217, Feb. 3.
- Pulling gun. F. R. Doyle. 2,627,221, Feb. 3.
- Pulse width measurement. R. C. Paine. 2,627,546, Feb. 3.
- Pump and piston therefor. D. V. McConnochie. 2,627,233, Feb. 3.
- Pump and turbine hydraulic coupling, Rotary. E. Halpern. 2,627,164, Feb. 3.
- Pyrolysis of difluoromonoethane. C. F. Fensley and W. A. Stover. 2,627,529, Feb. 3.
- Radio phonograph cabinet. C. A. Petersen and H. W. Schaefer. 2,627,550, Feb. 3.
- Radio repeater having a pulse regenerator. C. B. H. Feld-man. 2,627,574, Feb. 3.
- Railway car rerailing mechanism. E. L. Sethiff. 2,627,235, Feb. 3.
- Ratchet wrench. E. J. Gantz. 2,627,330, Feb. 3.
- Recovery of glucuronolactone. D. G. Benjamin and S. W. Kapranos. 2,627,520, Feb. 3.
- Reel: See—
- Crop pickup reel. Thread advancing reel.
- Fishing reel.
- Refrigeration method of recovering hydrocarbons from gas mixtures. W. Swerdloff. 2,627,318, Feb. 3.
- Refrigerator control. C. S. Grimshaw. 2,627,561, Feb. 3.
- Relative humidity indicator. M. E. Goodwin and E. A. Simpson. 2,627,505, Feb. 3.
- Releasing device for strip forms in an autographic register. F. G. White and T. F. Callahan. 2,627,428, Feb. 3.
- Removable device for clothing and the like. H. S. van Buren, Jr. 2,627,098, Feb. 3.
- Resilient retractable lead carrying assembly. G. and M. L. Hlatko. 2,627,405, Feb. 3.
- Resistance-reducing device for bridged circuits. E. H. Musgrave and R. E. Moore. 2,627,581, Feb. 3.
- Resonator structure. A. M. Gurewitsch. 2,627,552, Feb. 3.
- Revolving and resetting mechanism for well replenishing booms. C. R. Kronoff and A. C. Krukonia. 2,627,284, Feb. 3.
- Rocket igniter. G. C. MacDonald. 2,627,160, Feb. 3.
- Rotary fluid coupling. J. E. Becker. 2,627,166, Feb. 3.
- Rotary gas engine. R. H. Leshner. 2,627,253, Feb. 3.
- Rubber foam mixer. G. A. Spencer. 2,627,394, Feb. 3.
- Rubber stamp pencil combination. A. D. Claggett and D. M. Miller. 2,627,227, Feb. 3.
- Rudder and propeller drive assembly, Combination. C. H. Stahmer. 2,627,243, Feb. 3.
- Rule, Impedance. N. E. Sprecher. 2,627,114, Feb. 3.
- Rust preventive compositions containing a wax-soap base. J. W. Romberg. 2,627,474, Feb. 3.
- S-sulfurized terpene hydrocarbon(dithiophosphoric acid triesters and producing the same. E. O. Hook and L. C. Beagle. 2,627,523, Feb. 3.
- Saddle and roller for upper draft rollers of spinning frames, Combined. F. Aldridge. 2,627,090, Feb. 3.
- Safety device for die-casts. N. M. Marshall. 2,627,313, Feb. 3.
- Safety pin. P. A. Alessi. 2,627,096, Feb. 3.
- Sand flow control mechanism. M. J. Bell. 2,627,356, Feb. 3.
- Sash balance. D. Tappan. 2,627,082, Feb. 3.
- Saw guide with an adjustable and tiltable platform, Port-able power. A. J. McCluskey. 2,627,287, Feb. 3.
- Saw-tooth wave generator. W. J. Howarth. 2,627,576, Feb. 3.
- Scouring machine. Egg. N. F. Marzolf. 2,627,140, Feb. 3.
- Screen frame construction intended primarily for shade screens. H. A. Kaufman. 2,627,311, Feb. 3.
- Seat: See—
- Adjustable bus seat.
- Seat cover with changeable sections. A. Bard. 2,627,303, Feb. 3.
- Seat cushion, Pneumatic. A. E. Forsyth. 2,627,302, Feb. 3.
- Securing a tensioned wire around cores. P. R. Hirsh. 2,627,378, Feb. 3.
- Segregation of hydrocarbons with urea at low tempera-tures. W. F. Arcey, Jr. 2,627,513, Feb. 3.
- Self-piercing fastener. P. D. Becker. 2,627,099, Feb. 3.
- Semiconductor device. D. R. Muss and L. P. Hunter. 2,627,545, Feb. 3.
- Semiconductor translating device. L. A. Mencham and S. E. Michaels. 2,627,575, Feb. 3.
- Separation of bark components. B. L. Grondal and C. L. Dickinson. 2,627,375, Feb. 3.
- Sequential switch. P. C. Netzel. 2,627,559, Feb. 3.
- Shaded glazes, Production of. L. J. Le Clerq. 2,627,101, Feb. 3.

- Shaving apparatus for rotating ice blocks. D. H. Fletcher. 2,627,377, Feb. 3.
- Sheet-mounting machine. L. Mestre. 2,627,406, Feb. 3.
- Shield and guide for magnetic recorder-reproducer heads. W. A. Brastad. 2,627,557, Feb. 3.
- Shoulder pads, method and machine for making same. Garment. W. L. Jantzen. 2,627,308, Feb. 3.
- Shower stall door hinge. J. W. Backman. 2,627,327, Feb. 3.
- Signal for grain boxes of threshers and combines. G. J. Herigstad. 2,627,244, Feb. 3.
- Signaling system, Multichannel. M. M. Levy and D. C. Kapley. 2,627,553, Feb. 3.
- Skein winding and banding machine. N. McIntyre. 2,627,151, Feb. 3.
- Ski pole. R. F. Wheeler, J. K. Preston, and J. K. West. 2,627,420, Feb. 3.
- Ski pole and grip therefor. R. F. Wheeler. 2,627,421, Feb. 3.
- Sliding closure and suspension system therefor. A. Grassman. 2,627,092, Feb. 3.
- Slipper, Disposable foot. O. G. France. 2,627,126, Feb. 3.
- Snaubbed spring group. G. Smith. 2,627,402, Feb. 3.
- Socket electrical connection device, Multiple. R. B. Squires. 2,627,535, Feb. 3.
- Solenoid. P. R. Eek. 2,627,544, Feb. 3.
- Sound recording and reproducing, Method and apparatus for. L. Luberoft. 2,627,555, Feb. 3.
- Soybean-containing food products without soy taste. E. K. Pettibone. 2,627,465, Feb. 3.
- Soya-bean oil and producing the same. C. M. Gooding. 2,627,407, Feb. 3.
- Soya-bean oil and producing the same. H. W. Vahlteich, C. M. Gooding, and D. Melnick. 2,627,408, Feb. 3.
- Soya-bean oil compositions. D. Melnick, C. M. Gooding, and H. W. Vahlteich. 2,627,409, Feb. 3.
- Soybean processing and products. E. K. Pettibone. 2,627,462, Feb. 3.
- Speed control for cyclically operated machines, Cam-actuated. C. Thetig. 2,627,503, Feb. 3.
- Speed cup bias spring. H. H. Harada. 2,627,401, Feb. 3.
- Speedometer, Outboard motor. E. C. Klekhafer. 2,627,181, Feb. 3.
- Sprayer for plants, Power-operated. W. S. McNair. 2,627,438, Feb. 3.
- Spring: See—
- Speed cup bias spring.
- Spring structure, Auxiliary. R. L. Reason. 2,627,404, Feb. 3.
- Stabilized milk products, Manufacture of. R. E. Meade. 2,627,463, Feb. 3.
- Starter for electric motors, Automatic. H. Antipovitch. 2,627,595, Feb. 3.
- Stator member for dynamoelectric machines. H. A. Schulta. 2,627,584, Feb. 3.
- Stereoscopic attachment for use with cameras. F. F. Baker. 2,627,201, Feb. 3.
- Strainer. A. Hock. 2,627,349, Feb. 3.
- Stroke control for ram-type molding machines. J. W. Hendry. 2,627,087, Feb. 3.
- Stud remover. A. Sporkel. 2,627,195, Feb. 3.
- Stylus holder. E. Horton. 2,627,448, Feb. 3.
- Support: See—
- Adjustable spring, center cable vulcanizing support, door support.
- Support. G. A. Tinnerman. 2,627,385, Feb. 3.
- Surface tension measuring device. B. Vonnegut. 2,627,177, Feb. 3.
- Switch: See—
- Motor vehicle switch. Thermostatic switch.
- Sequential switch.
- Switch. R. B. Bell. 2,627,567, Feb. 3.
- Synthetic drying oil and making same. L. Pritzker. 2,627,470, Feb. 3.
- Syringe, Self-propelled automatic. G. B. Glass. 2,627,270, Feb. 3.
- Syringe, Vaginal. C. D. Purser. 2,627,271, Feb. 3.
- System for the photographing and showing of stereoscopic motion pictures. R. L. Huber. 2,627,200, Feb. 3.
- T-square and parallel straightedge combination. C. O. Larson. 2,627,323, Feb. 3.
- Talc crayon production. J. E. Norwood. 2,627,089, Feb. 3.
- Tape, Measuring. H. Krugness. 2,627,117, Feb. 3.
- Tempering apparatus for making band saws or the like. H. Kalljama. 2,627,572, Feb. 3.
- 10-phenothiazinecarboxamides, Basically substituted. J. W. Cusick. 2,627,517, Feb. 3.
- Textile printing roll. F. Bromley. 2,627,228, Feb. 3.
- Thermoelectric resistance element containing eutectic mixtures. C. I. Hall. 2,627,570, Feb. 3.
- Thermostatic switch. N. J. Smith. 2,627,565, Feb. 3.
- Thread advancing reel. W. V. Henry. 2,627,102, Feb. 3.
- Tie and garment press. H. A. Holt. 2,627,129, Feb. 3.
- Time control, Electrical automatic. S. Raamussen. 2,627,415, Feb. 3.
- Toboggan, Folding. W. H. Pagelkopf. 2,627,422, Feb. 3.
- Toilet paper roll holder. B. T. Horton. 2,627,382, Feb. 3.
- Tool: See—
- Lathe tool.
- Tool bit. H. M. Sheridan. 2,627,106, Feb. 3.
- Tool for making hypodermic injections. L. R. McGregor. 2,627,209, Feb. 3.
- Toolholder for grinding purposes. V. S. Roach. 2,627,147, Feb. 3.
- Tool with extension spaced from head. S. Elliot. 2,627,078, Feb. 3.
- Tool with improved valve actuating means, Pressure fluid actuated. E. H. Shaft. 2,627,248, Feb. 3.
- Torque converter, Turbine type hydraulic. W. H. Fengler. 2,627,165, Feb. 3.
- Toy, Magnetic dart-projecting. H. Zimmerman. 2,627,260, Feb. 3.
- Toy vehicle and exerciser, Animal simulating. E. E. Lindenberg. 2,627,419, Feb. 3.
- Tractor hitch. L. G. Copeman. 2,627,423, Feb. 3.
- Transfer check valve. A. G. Johnson and T. A. St. Clair. 2,627,388, Feb. 3.
- Transformer, Adjustable impedance. C. F. P. Rose. 2,627,550, Feb. 3.
- Transmission. F. R. McFarland. 2,627,189, Feb. 3.
- Transmission belt. G. H. Bramhall and J. P. Hunter. 2,627,185, Feb. 3.
- Transmission structure, Ultrahigh-frequency. H. B. Taylor and A. J. Watts. 2,627,551, Feb. 3.
- Trap: See—
- Animal trap.
- Tray, Desk. E. F. Thomson. 2,627,342, Feb. 3.
- Tray, Display. E. F. Prestiaari. 2,627,344, Feb. 3.
- Tray, Letter. R. L. Gallagher. 2,627,343, Feb. 3.
- Tray supporting device, Auxiliary. J. J. Isella and P. F. Isella. 2,627,354, Feb. 3.
- Treating yarn, thread, and the like. H. Y. Jennings. 2,627,103, Feb. 3.
- Truck and the like, Dolly. V. H. Richards. 2,627,234, Feb. 3.
- Tube: See—
- Cathode-ray tube.
- Tube base and the like, Electronic. R. L. Elliott. 2,627,536, Feb. 3.
- Turning machine. N. N. Marallius. 2,627,198, Feb. 3.
- Two-way stretch fabric. H. Hirsch. 2,627,173, Feb. 3.
- Two-wire sequence relay. J. B. Cataldo. 2,627,562, Feb. 3.
- Unsymmetrical secondary amine, Preparation of. P. L. Du Brow and J. Harwood. 2,627,526, Feb. 3.
- Utensil for cooking tacos. S. M. Luna. 2,627,222, Feb. 3.
- Vacuumtight seal, Demountable. R. G. Picard. 2,627,580, Feb. 3.
- Valve: See—
- Antisiphon valve. Transfer check valve.
- Lever hose and valve.
- Valve. J. G. Wood and A. V. Jackson. 2,627,259, Feb. 3.
- Valve control outlet hydrant, Multiple. G. H. Martin. 2,627,277, Feb. 3.
- Valve for controlling gas. E. H. Mueller. 2,627,417, Feb. 3.
- Valve filling mechanism, Engine. C. Kaufman. 2,627,319, Feb. 3.
- Vane type fluid clutch. A. T. Vance. 2,627,331, Feb. 3.
- Vehicle operated gravity closure, Automatic. W. J. Salter. 2,627,130, Feb. 3.
- Vehicle suspension device. A. E. Forsyth. 2,627,403, Feb. 3.
- Vending machine. C. S. Balaz. 2,627,302, Feb. 3.
- Vernier controlled indicator rod clamp. L. F. Young. 2,627,118, Feb. 3.
- Vial, Level. W. G. and R. A. Moyer. 2,627,121-2, Feb. 3.
- Vinyl copolymers and process. J. A. Arvin. 2,627,509, Feb. 3.
- Voting machine, Instructional. C. R. Flanagan. 2,627,125, Feb. 3.
- Warmer for casualty evacuation bags. D. M. Stodd and R. P. Schreiber. 2,627,266, Feb. 3.
- Washing acid treated distillate. C. W. Stratford. 2,627,490, Feb. 3.
- Washing machine provided with removable transmission. C. G. Scheele. 2,627,175, Feb. 3.
- Water softener. E. F. Anderson. 2,627,503, Feb. 3.
- Wave guide duplexer. H. J. Riblet. 2,627,573, Feb. 3.
- Wet replenishing loom. A. C. Krukonis and W. H. Wakefield. 2,627,285, Feb. 3.
- Wet replenishing loom. W. H. Wakefield. 2,627,286, Feb. 3.
- Well point core. H. C. Hettlinger. 2,627,315, Feb. 3.
- Well tester. R. C. Baker. 2,627,317, Feb. 3.
- Well tool swivel device. R. C. Baker. 2,627,316, Feb. 3.
- Well insoles, Making. A. R. Ridderstrom. 2,627,079, Feb. 3.
- Wheel: See—
- Bluffing wheel.
- Wheat cereal, Making prepared eprouded. K. Kehetian. 2,627,464, Feb. 3.
- Wheel assembly. H. F. Klein. 2,627,440, Feb. 3.
- Winding machine, Automatic armature. H. W. Moore. 2,627,370, Feb. 3.
- Winding take-up mechanism. W. Borberg. 2,627,381, Feb. 3.
- Window construction. S. M. Kawa. 2,627,091, Feb. 3.
- Windshield wiper motor. F. Sprague and E. F. Nichols. 2,627,251, Feb. 3.
- Wire spring clip. J. A. Palmieri. 2,627,095, Feb. 3.
- Workstand. G. E. Hock, E. Roberts, and E. C. Hokanson. 2,627,109, Feb. 3.
- Wrapping machinery. A. G. Rose and F. H. Pearson. 2,627,154, Feb. 3.
- Wrench: See—
- Hatchet wrench.
- Yarn treating method. E. J. Helzer. 2,627,480, Feb. 3.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 3, 1953

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 3: 2,627,071	53— 25: 2,627,150	99— 403: 2,627,222	153— 32: 2,627,295	200— 88: 2,627,563	260— 233.3: 2,627,516
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CLASSIFICATION OF PATENTS

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

SINCLAIR WEEKS, *Secretary*

U. S. Patent Office

THOMAS F. MURPHY, *Acting Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business January 23, 1953

Total number of patent applications awaiting action, 99,598. Date of oldest new application, April 16, 1952; date of oldest amended application, April 22, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) KEELY, J. E.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scatterer Unloaders; Sewerage.	5-1-2	4-20-2	1599
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers.	5-15-2	5-6-2	1297
3. MARCELSTEIN, N.-(WINDHAM, R. K., Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	5-3-2	5-3-2	1863
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus.	5-6-2	5-6-2	1470
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	5-9-2	5-9-2	1068
6. SURLE, H., Carbon Chemistry (part).	5-23-2	5-26-2	2273
7. GONSALVES, J. E. (ANDERSON, E. G., Acting), Optics; Photography (part).	5-15-2	5-17-2	1396
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds.	5-23-2	5-2-2	1296
9. BRANSON, J. H., Pumps and Fans; Fluid Motors.	5-12-2	5-18-2	1396
10. REYNOLDS, E. R.-(NEFF, P. R., Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	5-17-2	5-15-2	1310
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	4-28-2	4-24-2	1238
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-24-2	4-29-2	1359
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	4-30-2	5-1-2	1337
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	5-7-2	5-7-2	1438
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass.	5-6-2	5-3-2	1701
16. LOVEWELL, N. N., Television, Telephony.	4-21-2	4-28-2	1473
17. LEICHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	4-29-2	4-29-2	1654
18. KURZ, J. A., Power Plants; Speed Responsive Devices.	5-21-2	6-2-2	732
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	4-26-2	4-23-2	1102
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-7-2	5-21-2	1313
21. MADER, R. C., Textiles.	4-25-2	4-23-2	1264
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	5-8-2	5-7-2	1128
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education.	4-29-2	4-25-2	894
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	5-15-2	5-19-2	1224
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminators; Distillation.	5-2-2	5-1-2	1412
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	5-23-2	5-23-2	1625
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making.	5-7-2	5-7-2	1502
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-19-2	5-9-2	1176
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus).	5-6-2	4-22-2	1171
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating Systems; Refrigeration; Illuminating Burners.	5-6-2	5-6-2	1487
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-28-2	4-29-2	2404
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-proportioning Systems.	5-15-2	5-13-2	1429
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	5-13-2	5-13-2	1773
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	5-2-2	5-1-2	1180
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles.	5-13-2	5-15-2	1294
36. McFADYEN, A. D., Measuring and Testing.	5-2-2	5-16-2	1089
37. LEVY, L. M., Electricity-Switches, Welding, Heating; Recorders.	5-20-2	5-19-2	1981
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	5-9-2	5-9-2	1619
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part).	7-11-2	7-10-2	1174
40. DRUMMOND, E. J., Receptacles (part); Packages.	7-1-2	7-1-2	1182
41. OURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-28-2	5-24-2	937

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 99,598. Date of oldest new application, April 16, 1952; date of oldest amended application, April 22, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	5-15-2	5-15-2	1081
43. ASP, N. A. (KNIGHT, W. O., Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-12-2	5-16-2	1674
44. HARVEY, L. P., Beds; Chairs; Seats.	4-28-2	4-24-2	1171
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-28-2	5-21-2	1313
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	5-2-2	5-1-2	1028
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	4-26-2	4-26-2	1672
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	5-9-2	5-13-2	1671
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	4-28-2	5-3-2	1388
50. BENDEL, W. O., Synthetic Resins; Rubber.	6-17-2	6-23-2	1540
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	4-24-2	5-2-2	1512
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-27-2	5-31-2	2057
53. BRINDISI, M. V., Label Pasting and Paper Hanging, Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	6-4-2	6-8-2	1008
54. NILSON, R. O., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	4-30-2	5-1-2	1807
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	5-17-2	5-19-2	986
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	5-19-2	5-17-2	1393
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	6-13-2	6-10-2	1620
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Splittings.	5-12-2	5-19-2	1273
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	5-24-2	5-22-2	1221
60. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	4-18-2	5-6-2	1116
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-26-2	5-28-2	1176
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	5-1-2	4-28-2	1818
64. GORECKI, G. A. (GREENWALD, J., Acting), Fuels and Miscellaneous Compositions.	4-25-2	4-30-2	1886
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	5-3-2	5-12-2	1339
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	6-3-2	5-7-2	906
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	5-20-2	5-1-2	1710
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-21-2	6-20-2	1281
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	5-8-2	5-9-2	1140
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	4-24-2	4-24-2	2164
DESIGNS: A.—BREHM, O. L., Industrial Arts.	9-26-2	10-2-2	816
B.—GRAY, M. A., Household, Personal and Fine Arts.	9-26-2	9-26-2	810

*Div. 60 was abolished as of December 13, 1952. See Commissioner's Administrative Order No. 41 (665 O. G. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 12,599. Date of oldest new application, Aug. 13, 1952; date of oldest amended application, Aug. 1, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 12, 13, 18, 27, 28, 30, 33, 35, 44, 51, 52.	8-15-2	8-15-2	2648
II. SUMMERS, G. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	8-16-2	8-16-2	2961
Renewals (All Classes)	11-24-2	1-5-3	400
Republications (All Classes)	11-8-2	11-8-2	272
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	8-13-2	8-8-2	3125
IV. KEYS, O. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	8-15-2	8-1-2	2173

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

- 1,744,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheetlike material, D. C., N. D. Ill. (Chicago), Doc. 45c354, *The Cold Metal Process Co. v. Aeme Steel Co.* On stipulation cause dismissed with prejudice Oct. 28, 1952.
- 1,779,195. (See 1,744,016.)
- 1,998,149, J. J. Warner, Manually operated phonograph; 2,598,026, same, Phonograph having speaker pick-up unit, amended complaint of declaratory judgment filed Nov. 21, 1952, D. C., S. D. N. Y., Doc. 78/172, *Advance Doll & Toy Corp. v. Worner & Sons.*
- 2,067,214, 2,067,216, Tanner & Thompson, Method of coating metal, filed Nov. 17, 1952, D. C., E. D. Mich. (Detroit), Doc. 12315, *Parker Rust Proof Co. v. Detrez Corp.*
- 2,067,216. (See 2,067,214.)
- 2,128,239, E. T. Ferngren, Process of molding plastic materials; 2,175,053, same, Process and apparatus for working organic plastic material and producing containers therefrom; 2,349,177, W. H. Kopitke, Method of and apparatus for making blown plastic articles, filed Nov. 12, 1952, D. C., W. D. Mo. (Kansas City), Doc. 7883, *Plas Corp. v. Fiercel Container Co., Inc.*
- 2,175,053. (See 2,128,239.)
- 2,283,316, Cooper & Roberts, One stage process for the manufacture of rubber; 2,299,593, D. Roberts et al., Method of making closed cell expanded rubber by internally developed gases; 2,421,831, A. Cooper, Single stage production of gas expanded rubber, filed Nov. 17, 1952, D. C., N. D. Ohio (Cleveland), Doc. 29698, *Rubatez Products, Inc. v. The Bearfoot Sole Co.*
- 2,299,593. (See 2,283,316.) 2,349,177. (See 2,128,239.)
- 2,421,831. (See 2,283,316.)
- 2,461,957, P. Berger, Transformer; 2,558,293, A. E. Feinberg, Apparatus for starting and operating gaseous discharge devices, filed Nov. 18, 1952, D. C., S. D. Tex. (Houston), Doc. 7131, *Advance Transformer Co. v. Horrie Electric Mfg. Co.*
- 2,464,643, E. R. Kulka, Holder for gaseous discharge lamps; 2,495,196, same, Holder for gaseous discharge lamps, appeal filed Nov. 10, 1952, C. C. A., 4th Cir., Doc. 6531, *Key Patents Corp. v. Sylvania Electric Products, Inc.*
- 2,495,196. (See 2,464,643.) 2,558,293. (See 2,461,957.)
- 2,574,971, H. H. Heltzer, Highway marking paint containing glass beads; 2,574,972, J. M. Hill, same, filed Nov. 21, 1952, D. C. Minn., Doc. 4359, *Minnesota Mining & Mfg. Co. v. Glidden Co.*
- 2,574,972. (See 2,574,971.) 2,598,026. (See 1,998,149.)
- 2,613,549, 2,613,550, 2,613,772, E. J. Thurber, Power transmission mechanism, amended complaint filed Nov. 5, 1952, D. C., E. D. La. (New Orleans), Doc. 3656, *The Thurber Corp. v. Polychild Motor Corp. et al.*
- 2,613,550. (See 2,613,549.) 2,613,772. (See 2,613,549.)
- Des. 157,299, Des. 157,300, G. C. Tait, Stocking, D. C., E. D. Pa. (Philadelphia), Doc. 13972, *Milway Knitting Mills v. Sonson Hosiery Mills, Inc., et al.* Stipulation of dismissal of complaint and counterclaim Nov. 10, 1952.
- Des. 157,300. (See Des. 157,299.)

TRADE-MARK SUITS

Notices under 16 U. S. C. 1116; act of July 5, 1946

- T. M. 212,808, Sylvania Products Co., Radiotubes; T. M. 254,018, same, Incandescent electric lamp; T. M. 405,339, same, Electric energy translating devices, etc.; T. M. 406,002, Hygrade Sylvania Corp., Electric lamps, electron tubes, radio receivers, etc.; T. M. 536,749, Sylvania Electric Products, Inc., Television receiving sets, record players, etc.; T. M. 537,867, same, Television antennas; T. M. 546,718, same, Periodicals, filed Nov. 24, 1952, D. C. District of Columbia, Doc. 5304-52, *Sylvania Electric Products, Inc. v. Bond Vacuum Stores, Inc.*
- T. M. 254,018. (See T. M. 212,808.)
- T. M. 318,315, Augusta Knitting Corp., Undergarment; T. M. 415,781, same, Underwear and sportswear, filed Nov. 25, 1952, D. C., S. D. N. Y., Doc. 80/281, *Augusta Knitting Corp. v. Hendkerchief Promotions, Inc.*
- T. M. 393,059, J. F. Gorman, Food concentrate and dietary supplement; T. M. 506,435, Vitaminerals, Inc., Analgesic balm, anesthetic ointment, etc.; T. M. 519,864, same, Carrier base of concentrated vegetables, filed Oct. 30, 1952, D. C., N. D. Calif. (San Francisco), Doc. 31993, *Vitaminerals, Inc. v. Charles Ramos.*
- T. M. 405,339. (See T. M. 212,808.)
- T. M. 406,002. (See T. M. 212,808.)
- T. M. 415,781. (See T. M. 318,315.)
- T. M. 433,899. (See T. M. 507,943.)
- T. M. 506,435. (See T. M. 393,059.)

Vol. 667 • No. 2

Tuesday, February 10, 1953

Price \$35.00 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscription, \$35.00 per annum, foreign mailing \$10.00 additional; single numbers, 75 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

T. M. 507,943, T. M. 523,809, T. M. 518,524, T. M. 433,899, Springs Cotton Mills, Sheets, pillow cases, table cloths, etc., D. C., S. D. N. Y., Dec. 77/282, *The Springs Cotton Mills et al. v. Springtex Fabrics Co.* Consent judgment for injunction (notice Nov. 19, 1952).

T. M. 518,524. (See T. M. 507,943.)

T. M. 519,864. (See T. M. 303,059.)
T. M. 523,809. (See T. M. 507,943.)
T. M. 538,749. (See T. M. 212,808.)
T. M. 537,807. (See T. M. 212,808.)
T. M. 540,718. (See T. M. 212,808.)

NOTICES

Notice of Tentative Recordation of Trade Name

(T. D. 53179)

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Jan. 12, 1953

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"GERO," owned by N. V. Gerofabriek, a corporation organized under the laws of the Kingdom of the Netherlands, located and doing business at Zieft, Holland, The Netherlands, which trade name is used in connection with cutlery, tableware and hollow-ware, manufactured in Zelst, Holland.

Any person who desires to file an opposition to the recordation of this trade name shall notify the Commissioner of Customs, Bureau of Customs, Washington 25, D. C., before the expiration of 30 days after January 26, 1953, of his intent to oppose the recordation. If a notice of opposition is filed, the opposer will be furnished with a copy of the application for recordation of the trade name, together with its supporting documents and instructions as to the procedure to be followed. The customs officers concerned will be given notice within 45 days after January 26, 1953, of any opposition proceeding.

Until 45 days after January 26, 1953, all articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless a notice is received that an opposition has been filed, in which case such articles shall continue to be detained until a final determination is made concerning the right of the applicant to the trade name.

(Signed) D. B. STRUBINGER,
Acting Commissioner of Customs.

Adjudicated Patent

(C. A. Oreg.) Wenzel and Wenzel Patent No. 2,467,792, for a self-cooling cotton water container, Held Invalid. *H. Wenzel Tent & Duck Co. v. White Stag Mfg. Co. et al.*, 199 F.2d 740; — USPQ —.

Disclaimers

2,434,294.—*Edward L. Ginston*, Garden City, N. Y. FREQUENCY CONTROL SYSTEM. Patent dated Jan. 13, 1948. Disclaimer filed Jan. 12, 1953, by the assignee, *The Sperry Corporation*.

Hereby enters this disclaimer to claims 1, 8, 11, and 16 of said patent.

2,467,765.—*Louis F. Mayle*, Fort Wayne, Ind. REGULATED POWER SCREW. Patent dated Apr. 19, 1949. Disclaimer filed Jan. 7, 1953, by the assignee, *Parasworth Research Corporation*.

Hereby enters this disclaimer to claim 1 of said patent.

2,404,637.—*James Bryan Stine*, Chicago, Ill. CHEESE MANUFACTURE. Patent dated Jan. 17, 1950. Disclaimer filed Jan. 16, 1953, by the assignee, *Kraft Foods Company*.

Hereby enters this disclaimer to claim 1 of said patent.

2,497,046.—*Edward L. Krope*, Old Greenwich, Conn. FLUORINATION OF POLYMERIC MATERIALS. Patent dated Feb. 7, 1950. Disclaimer filed Jan. 16, 1953, by the assignee, *American Cyanamid Company*.

Hereby enters this disclaimer to claim 1 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,603,300. Conveyor Type Display Rack. Patented July 15, 1952. Display rack is adapted to convey articles of merchandise, such as wall paper samples, toward the ends of the rack, where they will be automatically turned to display their opposite sides as they pass about the end to be returned along the opposite side of the rack. Rack has a supporting frame formed of interconnected vertical and horizontal pieces and vertical end and intermediate pieces. A conveyor mounted on the frame has vertically spaced continuous belts connected to opposite ends of vertical wooden strips. An arm extends outwardly from each wooden strip, over which the merchandise is extended. Conveyor is moved by a hand crank mounted on side of frame to present different articles of merchandise. (Owner) Harold A. Block, 320 First St., Manatee, Mich. Groups 35—62; 39—93. Reg. No. 50,329.

Pat. 2,480,492. Venetian Blind. Patented Nov. 1, 1949. Venetian blind has a drop cord fastening means for quickly detaching the cords from the slats to remove slats for cleaning. For each pull cord a drop bar has a circular opening to receive a cylindrical plug-type guide. A groove extends the full length of the guide to receive the lower portion of the cord. A slotted disk is removably applied to guide, the portions at opposite sides of its slot engaged in a pair of transverse grooves in the guide. To remove slats the guide is forced downwardly in opening of drop bar, exposing disk for removal. Cord is pulled to move guide upwardly through lowest slot. Guide can be pulled through the openings of the slats and cross tapes until all slats are free. (Owner) Harold M. Redman, 201 South Jansie St., Pontiac 20, Mich. Group 25—63. Reg. No. 50,330.

Pat. 2,586,701. Tobacco. Patented Feb. 19, 1952. Method of cooling the smoke and relieving throat irritation, without affecting the flavor, involves adding from 0.05 to 2.0% of terpin hydrate to smoking tobacco. (Owner) Sereno O. Norton, P. O. Box 260, Brunswick, Ga. Group 21—11—21—31. Reg. No. 50,331.

Pat. 2,120,699. Pitcher Top for Jars and Similar Containers. Patented June 14, 1938. A detachable pitcher top for ordinary fruit jars and other containers. An annular member has a lower portion internally screw-threaded to fit the threads of a fruit jar. Upper portion is in the form of a slightly flared flange with a pouring lip and a handle. A pair of spaced lugs with recesses are provided adjacent the handle. A removable cover for the top has spaced spring ears with projections to be snapped into the recesses. Internally threaded portion may have a groove for a gasket. May be made to fit various types of jars. (Owner) Theophilus Gamble, 1031 South 43d Place, Birmingham, Ala. Groups 32—21; 33—73; 34—41; 39—81; 40. Reg. No. 50,332.

Pat. 2,599,997. Mixing Faucet. Patented June 10, 1952. Faucet for dispensing two liquids may be connected to sources of carbonated water and flavoring syrup and used to selectively dispense carbonated water only, or a mixture of both in varying proportions by simply swinging an upright pivoted handle forwardly. Two liquid inlet openings of the valve are controlled by two valves mounted on a reciprocable valve rod within the valve casing, one valve being of the tapered plug type carried by a sleeve slidably mounted on the valve rod. The valves are normally urged into engagement with their seats by springs, and are adapted to close independently of each other. The tapered valve permits variation in the size of the inlet opening controlled thereby to facilitate adjustment of the ratio between the amounts of the two liquids to be dispensed. By varying the length of a bead of the sleeve carrying the tapered valve, one valve may be opened independently of the other, or both valves

simultaneously opened. (Owner) Frank M. Iannelli, 215 Washington St., East Orange, N. J. Group 33—61. Reg. No. 50,333.

Pat. 2,603,030. Bolt Holder Cage. Patented July 15, 1952. Trap for catching crabs, lobsters, and the like has a metal framework with upright, easily openable front, rear, and side walls hinged to bottom of framework. A swingable serrated clamp is hinged to a cross bar at bottom of framework and to an adjustable locking member to hold bolt against bottom of trap. Each wall is provided with a string or other fastening member whereby the walls may be lowered to open position for catching crabs or brought upwardly into vertical closed position to permit operator to pull cage out of water. (Owner) Pasquale C. Pape. Correspondence to Joseph F. Padon, 120 Broadway, New York 5, N. Y. Groups 33—49—59; 39—49. Reg. No. 50,334.

Pat. 2,594,562. Forced Draft Gas Burner. Patented Apr. 29, 1952. Gas burner capable of burning various types of gas, including butane and propane gas, has a blower connected by a twin channeled air conduit to an air chamber. A spirally vaned air blast tube mounted on the upper end of the chamber is surmounted by a hollow trumpet-shaped hearth, which in turn is surmounted by a baffle having lugs resting on a horizontal flange on the upper end of the hearth. The space between the outer surface of a trumpet-shaped portion of the baffle within the cavity of the hearth and the inner surface of the hearth forms an annular upwardly and outwardly flaring passageway communicating with the air tube. A gas jet device depending from the baffle into the cavity of the hearth is threaded into the upper conical end of a gas supply conduit extending upwardly through the air chamber and air tube. The conical end of the conduit forms a constriction in the air tube to provide a Venturi effect to accelerate the speed of the air. (Owner) James H. Jackson, 8781 Quincey Ave., Detroit 4, Mich. Group 33—65. Reg. No. 50,335.

Pat. 2,573,084. Cold Frame. Patented Oct. 30, 1951. Collapsible hotbed for protecting plants from weather conditions permits ventilation, watering, and temperature control without exposing the plants. Top edges of side walls of a frame are inclined so that one end wall is of greater depth than the other. Vertical angle irons are secured to ends of side walls. Angled vertical flanges at ends of wall are receivable in a channel-shaped coupling. Angle irons along bottom edges of walls support plant boxes. Watering troughs extending longitudinally of device have apertures to receive wicks embedded in the soil for irrigating the soil. Spaced slots in side wall flanges receive tongues of slats extending transversely of frame to support a roof of flexible glass sections admitting ultra-violet rays. The side walls have openings with sliding doors for ventilating the frame. (Owner) James L. Whitesel, 1281 North High St., Columbus, Ohio. Group 35—22. Reg. No. 50,336.

Pat. 2,580,928. Flow Indicator. Patented Jan. 1, 1952. Flow indicator for a conduit to visually indicate the flow of fluid therethrough. Indicator has an open-ended vertical sleeve to extend radially through opening in side wall of a pipe. An extension on lower end of sleeve depends into the conduit. An arm pivoted to the extension occupies an elevated horizontal flow-induced position across lower end of sleeve. A light reflector is secured to the downstream side of arm to register with open lower end of sleeve. A sight glass extends across interior of sleeve to expose the reflector to light passing downwardly through the sleeve. Free end of arm has a vane deflected toward the upstream side of arm to coact with fluid flowing through the conduit and maintain the arm in horizontal position wherein the reflector is visually observable through the sight glass. (Owner) Alex Kehm, 231 South Vine St., Grand Island, Nebr. Group 39—11. Reg. No. 50,337.

United States Government Owned Patents

The following two patents (granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of the Interior by virtue of assignments from the inventors, Waldo A. Steiner and Sol W. Weller (Pat. 2,597,907) and Leonard Obert and Wilbur I. Duvall (Pat. 2,599,578). Non-exclusive and royalty-free licenses are available. Applications for license may be addressed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,597,907. Apparatus for the Separation of Gases by Fractional Permeation Through Membranes. Patented May 27, 1952. This apparatus is formed with a series of alternate and intervening chambers arranged in side-by-side relation and separated from one another by thin, non-porous membranes with the peripheral portions of the chambers sealed by frame members. The gaseous mixture to be separated is conducted through the alternate chambers and allowed to permeate through the membranes into the intervening chambers. In order to prevent collapse of the intervening chambers and rupture of the membranes due to higher pressure existing in the alternate chambers, a flat porous gas-conducting sheet is disposed in each intervening chamber in face-to-face contact with the membranes defining the opposite walls of the intervening chambers. Groups 28—86; 35—69. Reg. No. 50,338.

Pat. 2,599,578. Device for Measuring the Change of Strain in a Solid Medium. Patented June 10, 1952. Device for measuring linear and volumetric strain in a solid medium. A core is obtained from a solid medium in which measurements are to be made or from a solid medium having similar physical properties. Three electrostatically shielded electric resistance strain gauge elements, mounted on two mutually perpendicular surfaces of the core to be responsive to strain in three mutually perpendicular directions, are connected electrically in series. Suitable means responsive to strain in the strain elements and for determining such strain are provided. The shear wave components in each individual strain element cancel each other out, and the total output of the gauge is responsive only to the compressional wave. The term solid medium as used herein includes substances ranging from semi-plastics to perfectly elastic solids. Group 35—43—69. Reg. No. 50,339.

Notice

The following unexpired patents, which were previously offered for licensing by Kinetic Chemicals, Inc., have been transferred to E. I. du Pont de Nemours and Company. Inquiries concerning these patents should now be addressed to: Patent Division, E. I. du Pont de Nemours and Company, Wilmington, Del.

Patents Listed and Abstracts Published in the Register Section of the OFFICIAL GAZETTE, Apr. 26, 1949:

Pat. 2,047,210. Process for Producing Concentrated Hydrofluoric Acid.

Pat. 2,058,453. Fluorination Process and Apparatus.

Pat. 2,062,743. Production of Fluorine-Containing Carbon Compounds.

Pat. 2,068,005. Antimony Trifluoride Preparation.

Pat. 2,084,950. Compression of Fluorinated Hydrocarbons.

Pat. 2,146,725. Process of Preparing Halogenated Acyclic Hydrocarbons Containing Fluorine.

Pat. 2,146,884. Refrigeration Processes and Compositions.

Pat. 2,149,039. Purification of Halogenated Hydrocarbons.

Pat. 2,192,143. Fluorination Process.

Pat. 2,212,820. Refrigerating System.

Pat. 2,227,863. Extraction of Tobacco With Fluorochlorohydrocarbons.

Pat. 2,283,666. Warning Agent.

Pat. 2,343,252. Fluoro-Halogeno Compounds.

Pat. 2,343,462. Purification of Hydrochloric Acid.

Pat. 2,345,696. Purification of Hydrochloric Acid.

Pat. 2,351,390. Process of Preparing Carbon Tetrafluoride.

Pat. 2,365,516. Refrigerants and Process of Making Them.

Pat. 2,393,304. Refrigerants and Process of Making Them.

Pat. 2,407,129. Process of Halogenation.

Pat. 2,410,101. Wax-Free Pyrethrin Solutions.

Pat. 2,426,172. Fluorination of Unsaturated Compounds.

Pat. 2,426,637. Process of Preparing $CClF_3$.

Pat. 2,426,638. Process of Preparing CHF_3 .

Pat. 2,449,671. Pyrethrum Extract and Propellant Solution Containing It.

Pat. 2,450,414. Distillation Process for Separating Products of Chloroform Fluorination.

Pat. 2,450,415. Distillation Process for Separating Products of Carbon Tetrachloride Fluorination.

Patents Listed and Abstracts Published in the Register Section of the OFFICIAL GAZETTE, Apr. 18, 1950:

Pat. 2,050,787. Cellulose Derivative Compositions.

Pat. 2,082,161. Dehydration of Antimony Trifluoride and Manufacture of Fluorinated Aliphatic Compounds.

Pat. 2,104,882. Heat Transfer and Refrigeration.

Pat. 2,470,088. Purification of Crude Monofluorodichloromethane.

Pat. 2,478,362. Distillation Process for Separating Products of Perchloro-Ethylene Fluorination.

Patents Removed from Register

Pat. 2,218,593. Shuttle for Game of Badminton. This patent, which was listed by United Shoe Machinery Corporation in the Register Section of the OFFICIAL GAZETTE, Aug. 16, 1947, has been assigned.

Pat. 2,485,702. Trip Rope Holder. This patent, which was listed by Donald F. Christoffer in the Register Section of the OFFICIAL GAZETTE, Apr. 18, 1950, has been assigned.

Pat. 2,403,158. Electric Soldering Iron. This patent, which was listed by Oscar Wertheim in the Register Section of the OFFICIAL GAZETTE, May 4, 1948, is superseded by Pat. 2,615,415. The later patent has been placed on the Register by the same inventor and will be listed at a later date.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 10, 1953

[VOL. 667. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 505,801. Community Produce Co., Boston, Mass.
Filed July 19, 1946.



The drawing is lined for the colors red, green, and purple.
For Fresh Vegetables—Namely, Celery and Cabbage.
Claims use since Jan. 1, 1935.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 607,350. Pedigreed Seed Co., New York, N. Y.
Filed Dec. 6, 1950.

Ser. No. 619,510. Illinois Clay Products Company, Joliet, Ill.
Filed Oct. 2, 1951.

MAGIC
CARPET

For Grass Seed.
Claims use since 1939.
667 G. G.—16

GRUNDITE

For Plastic Clay in Raw or Comminuted Form.
Claims use since July 1935.

Ser. No. 621,437. Asbestolith Manufacturing Corporation, Brooklyn, N. Y. Filed Nov. 20, 1951.

Weathermastic...

For Asphalt Base Composition To Be Made Into Marine Decking for Ships and the Like.
Claims use since Dec. 4, 1941.

Ser. No. 622,569. Weyerhaeuser Timber Company, Tacoma, Wash. Filed Dec. 15, 1951.

SILVAFLAKE

Applicant claims ownership of Registration No. 519,000. For Committuted Barks of Trees for Use in Oil Well Drilling Fluids.
Claims use since May 1950.

Ser. No. 625,573. Atlantic Sponge & Chamols Corporation, New York, N. Y. Filed Feb. 27, 1952.

PALAIS BRAND
FRENCH CHAMOIS



The words "Brand French Chamols" are disclaimed apart from the mark as shown.
For Chamols.
Claims use since Aug. 19, 1938.

Ser. No. 625,574. Atlantic Sponge & Chamols Corporation, New York, N. Y. Filed Feb. 27, 1952.



The word "Chamols" is disclaimed apart from the mark as shown.
For Chamols.
Claims use since August 1938.

Ser. No. 629,781. Durlin Co., Newark, N. J. Filed May 16, 1952.

CHEMSHIELD

For Sheets of Synthetic Plastic Materials Used in the Fabrication of Various Articles.
Claims use since Apr. 28, 1952.

Ser. No. 630,660. Attapulgis Clay Company, Philadelphia, Pa. Filed June 3, 1952.



Applicant claims ownership of Registration No. 562,884. For Fuller's Earth Having Oil and Water Adsorption Properties for General Use in the Industrial Arts.
Claims use since July 5, 1932.

Ser. No. 632,677. A. C. Lawrence Leather Company, Peabody, Mass. Filed July 17, 1952.

LANOLAMB

For Leather.
Claims use since June 27, 1952.

Ser. No. 632,715. The Cambriflex Corporation, Lawrence, Mass. Filed July 18, 1952.

Cambriflex

For Thin Gauge Plastic Sheeting for General Industrial Use.
Claims use since Nov. 19, 1951.

Ser. No. 632,791. Mutation Mink Breeders Association, Elkhorn, Wis. Filed July 19, 1952.

Cerulean

For Mink Pelts.
Claims use since June 12, 1952.

CLASS 2

RECEPTACLES

Ser. No. 567,863. Guarantee Metal Products, Inc., Los Angeles, Calif. Filed Oct. 29, 1948.

STAR

For Steel Dispensers for Sugar, Napkins, Straws, Salt, and Pepper, for Use in Restaurants.
Claims use since Dec. 7, 1931.

Ser. No. 570,722. Reddi-Wip, Inc., St. Louis, Mo. Filed Dec. 17, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 560,710. For Empty Double-Seamed Lacquer-Lined Low-Pressure Containers Equipped With Dispensing Valves.
Claims use since July 21, 1948.

Ser. No. 596,798. Pearl-Wick Corporation, Long Island City, N. Y. Filed May 3, 1950.

Rollaway

For Hampers for Soiled Laundry, Made of Fiber.
Claims use since May 1, 1950.

Ser. No. 601,495. Gerber Products Company, Fremont, Mich. Filed July 31, 1950. (Sec. 2f as to "Gerber's.")

Gerber's INTERLOCK

The word "Interlock" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 369,865, 405,310, and others.
For Cardboard Boxes.
Claims use since Nov. 22, 1949, as shown; and since Oct. 12, 1928, as to "Gerber's."

Ser. No. 602,466. Bemis Bro. Bag Company, St. Louis, Mo. Filed Aug. 21, 1950.

FLEXISAX

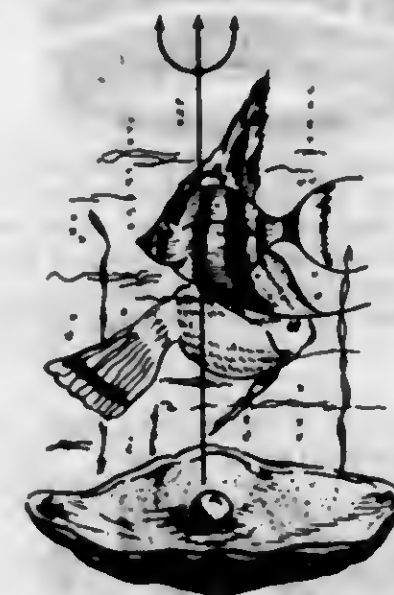
Applicant claims ownership of Registrations Nos. 113,673, 212,538, and others.
For Bags Made of Laminated Paper.
Claims use since May 4, 1950.

Ser. No. 616,009. The Rochester Folding Box Co., Rochester, N. Y. Filed July 17, 1951.

Quad-Lok

"Lok" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 309,678.
For Paperboard Shipping Cases.
Claims use since June 27, 1951.

Ser. No. 616,746. The Marbill Co. Inc., New York, N. Y. Filed July 26, 1951.



For Mother-of-Pearl Gift Products and Accessories—Namely, Pill Boxes, Lipstick Cases, Compacts, and Miniature Compacts, All the Foregoing Sold Empty.
Claims use since Apr. 11, 1951.

Ser. No. 622,737. The Bolta Company, Lawrence, Mass. Filed Dec. 21, 1951.

Bolta-Pak

Applicant makes no claim to any exclusive rights in the word "Pak" apart from the mark shown in the accompanying drawing.
For Boxes Made of Synthetic Resin.
Claims use since on or about Nov. 15, 1951.

Ser. No. 622,738. The Bolta Company, Lawrence, Mass. Filed Dec. 21, 1951.

Bolta-Ware

Applicant makes no claim to any exclusive rights in the word "Ware" apart from the mark shown in the accompanying drawing.
For Utility Bowls for Foods, for Domestic, Hotel, and Restaurant Use, Made of Synthetic Resin.
Claims use since Nov. 15, 1951.

Ser. No. 623,540. Gasoline Equipment Manufacturing Company, Inc., Indianapolis, Ind. Filed Jan. 14, 1952.



The word "Weld" is disclaimed apart from the mark as shown.
For Underground and Aboveground Tanks—Namely, Sump Tanks, Elevated Tanks, Basement Tanks, Skid Tanks.
Claims use since Sept. 19, 1951.

Ser. No. 625,421. Fred Heinze, Rutherford, N. J. Filed Feb. 23, 1952.



No claim is made to the representation of the goods apart from the mark shown on the drawing.
For Rollable Cases Used for Keeping Therein Vacuum Cleaners and Vacuum Cleaner Parts.
Claims use since Jan. 23, 1952.

Ser. No. 625,467. Robert Dunle, doing business as Northern Greenhouses, Chicago, Ill. Filed Feb. 25, 1952.

EM-BLOOM

The word "Bloom" is disclaimed when used apart from the mark as shown.
For Plastic Holder for Flower Corsage.
Claims use since Nov. 26, 1951.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORT-FOLIOS, AND POCKETBOOKS

Ser. No. 607,946. Evans Case Co., North Attleboro, Mass.
Filed Dec. 21, 1950.



Exclusive use of the word "Evans" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 500,850 and 504,315.

For Handbags and Fitted Handbags.
Claims use since May 1949.

Ser. No. 612,586. Centra Leather Goods Corporation, New York, N. Y. Filed Apr. 13, 1951.

CRESTCRAFT

For Wallets, Billfolds, Pocketbooks, Travel Kits, Sold Empty.

Claims use since Feb. 28, 1951.

Ser. No. 613,984. Philip Florin, Inc., New York, N. Y.
Filed May 17, 1951.

ALICE IN WONDERLAND

For Wallets.
Claims use since Apr. 6, 1951.

Ser. No. 615,195. Sears, Roebuck and Co., Chicago, Ill.
Filed June 14, 1951.

TOWER.

For School Bags and Carrying Cases (Canvas or Leather or Combinations Thereof) in the Nature of Brief Cases.
Claims use since July 1949.

Ser. No. 618,177. Novelty Products Co., New York, N. Y.
Filed Aug. 28, 1951.

to-te-albout

For Hat Cases, Suitcases, and Handbags.
Claims use since July 1, 1949.

Ser. No. 630,819. Youth Mode Bags, Inc., New York, N. Y.
Filed June 5, 1952.

GOING PLACES

For Traveling Cases and Traveling Bags.
Claims use since Mar. 5, 1951.

Ser. No. 631,710. Aetna Leather Novelty Co. Inc., Union City, N. J. Filed June 25, 1952.

Rough Rider

For Handbags.
Claims use since March 1952.

Ser. No. 632,863. Acme Brief Case Co. Inc., New York, N. Y. Filed July 22, 1952.

ACMELITE

For Brief Cases and Brief Bags.
Claims use since on or about Mar. 5, 1952.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 593,742. Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Filed Mar. 10, 1950.

KLEEN-GLEEM

Registration of the word "Kleen" is disclaimed, apart from the rest of the mark.

For Glass Cleaner and Polish.
Claims use since Nov. 25, 1949.

Ser. No. 598,268. Norsk Stålull A/S, Oslo, Norway. Filed May 27, 1950.

KRONULL
DEN OVERPLEGNE STÅLULL

No claim is made to the exclusive use of the words "Den Overplegne Stålull" or of the English translation of these words meaning "Superior Steelwool" apart from the mark as shown. Applicant claims ownership of Norwegian Registration No. 36,726, dated Apr. 5, 1949.

For Steel Wool and Steel Shavings for Cleaning and Polishing.

Ser. No. 615,659. K. J. Quinn & Co., Inc., Malden, Mass.
Filed June 25, 1951.

Scuffy

For Shoe Polish.
Claims use since Aug. 1, 1949 in its present form; and since March 1948 in a different form.

Ser. No. 626,255. Odbert R. Lowell, Boardman, Ohio.
Filed Mar. 11, 1952. (Sec. 2f.)

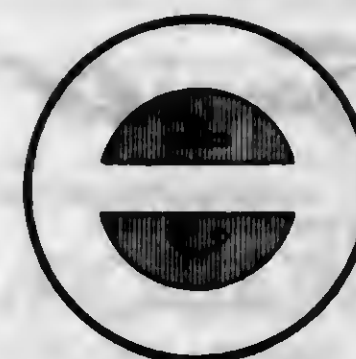
Nosteam

Applicant claims ownership of Registration No. 318,269. For Scientific Preparation Adapted To Be Used for Cleaning and Polishing Eye Glasses and Lenses and Having the Incidental Function of Preventing Depositing of Vapor and Steam on the Glass.
Claims use since Aug. 1, 1933.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 570,486. Glvaudan-Delawanna, Inc., New York, N. Y. Filed Dec. 14, 1948.



The drawing is not lined for color. The mark consists of two outer concentric circles in close proximity, an annular space therein being provided by two quasi-semi-circles located above and below the horizontal center line of the mark so as to leave a central horizontal channel also. Vertical lines fill the quasi-semi-circles, which each contain a design therein. Applicant claims ownership of Registration No. 388,975.

For Organic Odoriferous and Flavor-Imparting Chemicals; Organic Chemicals Used as Ingredients of Paints, Varnishes, Drying Inks, Bactericidal, Fungicidal, Insecticidal, and Preservative Compositions.

Claims use since on or about October 1924.

Ser. No. 571,402. Bridgeport Brass Company, Bridgeport, Conn. Filed Dec. 31, 1948. (Sec. 2f.)

Bridgeport

Applicant claims ownership of Registration No. 444,725. For Space Deodorant.
Claims use since Sept. 22, 1948.

Ser. No. 573,355. Casco Products Corporation, Bridgeport, Conn. Filed Feb. 5, 1949.

CASCO

Applicant claims ownership of Registration No. 552,647. For Room Deodorants.
Claims use since Jan. 12, 1940.

Ser. No. 610,236. A. E. Staley Manufacturing Company, Decatur, Ill. Filed Feb. 17, 1951. (Sec. 2f.)

Staley's

Applicant claims ownership of Registrations Nos. 369,551, 514,132, and 519,563.

For Carbohydrates for Industrial Purposes; Vegetable Proteins and Protein Derivatives Including Protein Hydrolyzates, Amino Acids, and Compounds Thereof; Nutrients for Culturing Microorganisms; Fatty Acids and Compounds Thereof; Inositol; Phytic Acid and Compounds Thereof; Levulinic Acid and Compounds Thereof; Phosphatides and Derivatives Thereof, and Vegetable Oil Sterols and Derivatives Thereof.

Claims use since 1912.

Ser. No. 612,700. National Aluminate Corporation, Chicago, Ill. Filed Apr. 16, 1951.

halco

Applicant claims ownership of Registrations Nos. 298,080, 301,906, and others.

For Chemical Compositions Which Are Sold for Addition to Coal To Promote Combustion, To Prevent Soot and To Remove Soot From Surfaces on Which Soot Has Previously Formed.

Claims use since June 6, 1947.

Ser. No. 615,357. Trojan Powder Company, Allentown, Pa. Filed June 18, 1951.

-GLYTEX-

For Resin Forming Composition.
Claims use since May 7, 1951.

Ser. No. 615,523. Van Baerle & Co. Chemische Fabrik, Gernsheim/Rhein, Germany. Filed June 21, 1951.

PRECASIL

For Precipitated Calcium Silicate for Industrial Purposes.

Claims use since Nov. 11, 1950 in Germany; and since May 10, 1951 in commerce between foreign nations and the United States.

Ser. No. 616,210. Merck & Co., Inc., Rahway, N. J. Filed July 7, 1951.

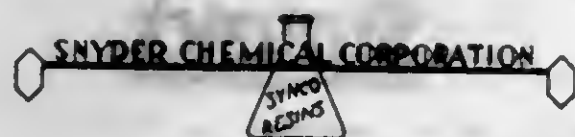


Applicant claims ownership of Registrations Nos. 298,737 and 307,488.

For Magnesium Salts.

Claims use since December 1947.

Ser. No. 619,433. Snyder Chemical Corporation, Bethel, Conn. Filed Oct. 2, 1951. (Sec. 2f.)



The words "Chemical," "Corporation," and "Resins" are disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 521,340. For Resin Compositions Sold in Liquid and Granule Form for Use in Molding, Casting, and in the Manufacture of Laminates. Claims use since July 1, 1946.

Ser. No. 624,652. Melpar, Inc., Alexandria, Va. Filed Feb. 7, 1952.

MELCORE

For Resinous Composition Impregnated With Minute Particles of Magnetizable Material. Claims use since Oct. 1, 1951.

Ser. No. 625,584. Haas Miller Corporation, Philadelphia, Pa. Filed Feb. 27, 1952.

ACTIVOL

Applicant claims ownership of Registration No. 422,759. For Wetting Agent for Metals, Textiles, and Synthetic Fibres; and Acid Accelerator for Use in Acids for Carbonizing, Pickling, Galvanizing, Anodizing, Wire Drawing, and Descaling. Claims use since Mar. 5, 1936.

Ser. No. 626,269. Seeman Brothers, Inc., New York, N. Y. Filed Mar. 11, 1952.

air-wick

No claim is made for registration purposes to the word "Air" apart from the association shown. Applicant claims ownership of Registrations Nos. 404,407 and 406,087. For Solidified Air Freshening Deodorant. Claims use since Jan. 22, 1952.

Ser. No. 632,321. J. C. Paul & Co., Skokie, Ill. Filed July 9, 1952. (Sec. 2f.)

KRYSTYL-KLEER

Applicant claims ownership of Registration No. 390,247. For Bactericide for Use on Glassware, Dishes, and the Like. Claims use since on or about Oct. 25, 1934.

Ser. No. 633,191. Guy D. Austin, Miami, Fla. Filed July 29, 1952. (Sec. 2f.)



No exclusive claim is made to the words "Very Best," apart from the mark as shown on the drawing. Applicant claims ownership of Registrations Nos. 531,922 and 514,985. For Insecticides. Claims use since May 17, 1947.

Ser. No. 633,984. Johnson & Johnson, New Brunswick, N. J. Filed Aug. 15, 1952.



Applicant claims ownership of Registration No. 526,580. For Synthetic Resins and Catalysts. Claims use since July 1, 1952.

Ser. No. 634,642. Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Filed Aug. 29, 1952.

NO. 20

For Galvanizing Flux. Claims use since in or about December 1931.

Ser. No. 634,643. Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Filed Aug. 29, 1952.

NO. 20 LF

For Galvanizing Flux. Claims use since in or about December 1931.

Ser. No. 635,008. Vaporette, Inc., Dallas, Tex. Filed Sept. 8, 1952.



For Disposable Vaporizers Having Insecticide Molded Thereto. Claims use since Apr. 20, 1952.

Ser. No. 635,598. The Joyner Corporation, Warsaw, Ind. Filed Sept. 22, 1952.

skeet-a-way

For Preparation for Repelling Insects—Namely, Mosquitoes, Small Biting Flies, and Chiggers. Claims use since 1938.

Ser. No. 635,694. Gelgy Company, Inc., New York, N. Y. Filed Sept. 24, 1952.

ERIONYL

Applicant claims ownership of Registrations Nos. 73,058, 263,787, and others. For Dyes and Dyestuffs. Claims use since June 6, 1952.

Ser. No. 635,695. Gelgy Company, Inc., New York, N. Y. Filed Sept. 24, 1952.

IRGAN

Applicant claims ownership of Registrations Nos. 278,390, 165,426, and others. For Chemicals Adapted for the Mothproofing of Fibers and Fabrics. Claims use since June 30, 1952.

Ser. No. 635,807. Atlas Powder Company, Wilmington, Del. Filed Sept. 26, 1952.

VROMIUM

For Quaternary Ammonium Compounds Useful as the Active Ingredient of Deodorant Preparations for Space, Industrial, Commercial, Institutional, Household, and Personal Use, and the Like. Claims use since June 19, 1952.

Ser. No. 636,906. United States Rubber Company, New York, N. Y. Filed Oct. 20, 1952.

ALANAP

For Herbicides. Claims use since June 11, 1952.

Ser. No. 637,009. Lucian L. Spellings, doing business as Tom-Cat Products Co., Jonesboro, Ark. Filed Oct. 22, 1952.



For Rodenticides. Claims use since Feb. 24, 1948.

Ser. No. 637,010. Sun Chemical Corporation, Long Island City, N. Y. Filed Oct. 22, 1952.

HYDROLUX

For Chemical Composition for Use as a Reducing Agent for Vat Dyes in the Printing and Dyeing of Textile Materials. Claims use since Jan. 1, 1942.

Ektonol

For Chemicals for Photographic Developer. Claims use since Oct. 13, 1952.

Ser. No. 638,034. The Acorn Chemical Company, Toledo, Ohio. Filed Oct. 30, 1952.



The word "Brand" is disclaimed apart from the mark. For Chemicals for the Flotation and Precipitation of Paint From Water Particularly for Use in Water Used in Paint Spray Booths. Claims use since November 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 633,090. L. & H. Stern, Inc., Brooklyn, N. Y. Filed July 25, 1952.

CORKEROO

For Smokers' Pipes. Claims use since Jan. 2, 1952.

CLASS 10

FERTILIZERS

Ser. No. 607,947. H. E. Fletcher Co., West Chelmsford, Mass. Filed Dec. 21, 1950.

SUPER GRAN-ITS

Applicant claims ownership of Registration No. 556,316. For Potassium-Bearing Soil Amender for Use in Connection With Tobacco Soil Treatment. Claims use since Nov. 10, 1950.

Ser. No. 617,376. Spiros Poulos, doing business as Plant Magic Products, Providence, R. I. Filed Aug. 6, 1951.

PLANT MAGIC

For the purpose of this registration and without waiving any common law rights thereto, applicant disclaims the word "Plant" apart from the trade-mark shown on the drawing.

For Plant Food and Fertilizer. Claims use since June 18, 1951.

Ser. No. 629,709. Antro Gardens, Inc., Lyons, N. Y. Filed May 15, 1952.

ANTRO GARDENS

Without waiving its common law rights, applicant disclaims the word "Gardens" apart from the mark shown. For Plant Food.

Claims use since Apr. 24, 1952.

Ser. No. 632,270. Rose Manufacturing Company, Beacon, N. Y. Filed July 8, 1952.

Triogen

Applicant claims ownership of Registrations Nos. 320,449, 322,316, and others.

For Stimulants and Fertilizers, Made From Organic and Inorganic Materials, for Roses.

Claims use since Dec. 18, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 593,456. Amercoat Corporation, South Gate, Calif. Filed Mar. 6, 1950.

T-LOCK
AMER-PLATE

Applicant disclaims the words "Lock" and "Plate" and the representation of a plate apart from the mark as shown. For Acid Proof Material Composed of Polymer Vinyl Resins Combined With Inert Pigments and Plasticizers, Used for Lining or Coating Steel or Concrete Pipes, Structures, Tanks, Vats, Walls, Floors, Etc.

Claims use since Nov. 8, 1949.

Ser. No. 593,457. Amercoat Corporation, South Gate, Calif. Filed Mar. 6, 1950.

AMER-PLATE

Applicant disclaims the word "Plate" and the representation thereof apart from the mark as shown. Applicant claims ownership of Registration No. 349,610.

For Acid Proof Material Composed of Polymer Vinyl Resins Combined With Inert Pigments and Plasticizers, Used for Lining or Coating Steel or Concrete Pipes, Structures, Tanks, Vats, Walls, Floors, Etc.

Claims use since Nov. 8, 1949.

Ser. No. 593,458. Amercoat Corporation, South Gate, Calif. Filed Mar. 6, 1950.

AMER-PLATE

Applicant disclaims the word "Plate" and the representation thereof apart from the mark as shown. Applicant claims ownership of Registration No. 349,610.

For Acid Proof Material Composed of Polymer Vinyl Resins Combined With Inert Pigments and Plasticizers, Used for Lining or Coating Steel or Concrete Pipes, Structures, Tanks, Vats, Walls, Floors, Etc.

Claims use since Nov. 8, 1949.

Ser. No. 601,005. Van Cleef Bros., Inc., Chicago, Ill. Filed July 20, 1950. (Sec. 2f.)

TUFF-PAK

For Weatherstrip Packing for Window Channels. Claims use since Aug. 13, 1935.

Ser. No. 613,370. Stewart J. Hart, doing business under the name and style of Hart Ceramic Supply, Inglewood, Calif. Filed May 1, 1951.

SUPERFIRE

For Clear and Colored Glasses, Crackle Glaze, and Under Glaze Enamels, All Being Vitrifiable Compositions Used in the Ceramic Industry.

Claims use since Mar. 2, 1949.

Ser. No. 616,475. Emsco Derrick & Equipment Company, Los Angeles, Calif. Filed July 14, 1951.

EMSCO

Applicant claims ownership of Registrations Nos. 370,912, 397,476, and 502,750.

For Fabricated Steel Structures—Namely, Electric Substation Structures; Towers for Transmission Lines, Water Tanks, Floodlights, and Flares; Walkways for Tanks, Barges, and Swamps; Stairways; Combination Pipe Racks, Stairways, Walkways, and Tool Ramps; and Derrick Structures.

Claims use since January 1946.

Ser. No. 624,511. Vitraside Industries, Inc., sometimes doing business as Vitraside Industries, Milwaukee, Wis. Filed Feb. 4, 1952.

VITRASIDE

The representation of the panel is disclaimed apart from the mark as shown.

For Exterior Decorative Panel Siding Having Insulating Value.

Claims use since May 14, 1951.

Ser. No. 624,725. Charles L. Aylward, Jr., doing business as The Aylward Products Company, Kansas City, Mo. Filed Feb. 9, 1952.

TAPCO

For Asphaltic Plastic Roof Cement, Caulking Compound, Sewer Joint Primer, Mineral Lead Jointing Compound, Rubberized Asphaltic Jointing Compound, Asphaltic Jointing Compound for Hot and Cold Connecting of Clay and Concrete Pipe, Asphaltic Emulsions for Mixing With Concrete To Provide Resiliency Thereto, Asphaltic Mastic for Expansion Joints, and Copper Flashing.

Claims use since January 1948.

Ser. No. 626,503. The Filmtkote Company, New York, N. Y. Filed Mar. 15, 1952.

SHADO-TEX

The term "Shado" is disclaimed apart from the mark. For Insulating Siding.

Claims use since May 5, 1950.

Ser. No. 632,735. The Master Builders Company, Cleveland, Ohio. Filed July 18, 1952.

STEAROLITH

Applicant claims ownership of Registration No. 299,571. For Material To Be Used as an Ingredient for Concrete and Mortar Mixes To Increase Their Plasticity, To Increase Strength, Hardness, and Resistance to Disintegration, and To Render the Same More Water-Proof.

Claims use since May 5, 1952.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 619,596. Automatic Pump & Softener Corporation, Rockford, Ill. Filed Oct. 5, 1951.

Aqua Matic

No claim is made to the word "Aqua" apart from the mark as shown.

For Valves of the Type Used in the Control of the Liquid Flow in Water Treatment Apparatus.

Claims use since on or about Mar. 1, 1945.

Ser. No. 625,180. The Aluminum Cooking Utensil Company, New Kensington, Pa. Filed Feb. 19, 1952.

JACK-FROSTERS

For Metal Combination Storing and Cooking Containers. Claims use since Feb. 8, 1952.

Ser. No. 626,275. Veal Corporation, San Francisco, Calif. Filed Mar. 11, 1952.

DUROX

For Pots and Pans. Claims use since Nov. 21, 1951.

Ser. No. 627,003. Scovill Manufacturing Company, Waterbury, Conn. Filed Mar. 26, 1952. (Sec. 2f.)

SCOVILL

Applicant claims ownership of Registration No. 292,847. For Brass Pipe and Plumbing Supplies—Namely, Basin Supply Pipes, Bath Supply Pipes, Tank Supply Pipes, Basin Waste Tubes, Sink and Tray Waste Tubes, Extension Tubes, Trap Offsets, Tubular Traps, Anti-Siphon Traps, Sink Traps, Waste and Overflows, Sink Funnels, Strainers, Ship Nuts, Closet Screws, Tray Plugs, Flush Tank Fittings, and Tank Shelves.

Claims use since Mar. 2, 1931.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 631,498. Joseph T. Ryerson & Son, Inc., Chicago, Ill. Filed June 20, 1952. (Sec. 2f.)

RYERSON

Applicant claims ownership of Registration No. 271,469. For Flame Cut Steel Shapes, Metal Bands and Hoops, Wire, and Steel Shafting.

Claims use since June 10, 1888.

Ser. No. 631,499. Joseph T. Ryerson & Son, Inc., Chicago, Ill. Filed June 20, 1952. (Sec. 2f.)

RYERSON
CERTIFIED
STEELS

The lines are not intended to indicate color. Applicant makes no claim to the words "Certified" and "Steels" apart from the mark as shown. Applicant claims ownership of Registration No. 271,469.

For Flame Cut Steel Shapes, Metal Bands and Hoops, Wire, and Steel Shafting. Claims use since Nov. 12, 1937.

CLASS 15

OILS AND GREASES

Ser. No. 629,062. Skelly Oil Company, Kansas City, Mo. Filed May 1, 1952.

AROMAX

For Gasoline. Claims use since July 1928.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 382,820. C. C. Chartler, Chicago, Ill. Filed Aug. 2, 1949. (Sec. 2f.)

Nu Surfas

PEN-TRATING

Applicant claims ownership of Registration No. 312,874. For Waterproofing and Finishing Compound for Wood, Brick, Concrete, Ceramic Tile, Linoleum, Cork, and the Like Building Materials, the Said Compound Being Applied to Surfaces by Brushing, Spraying, Dipping, or Flooding. Claims use since on or about Feb. 1, 1938 as to the mark shown; and since on or about Feb. 1, 1933 as to "Nu Surfas."

Ser. No. 604,175. American Fluoresit Company, Inc., Cincinnati, Ohio. Filed Sept. 29, 1950.

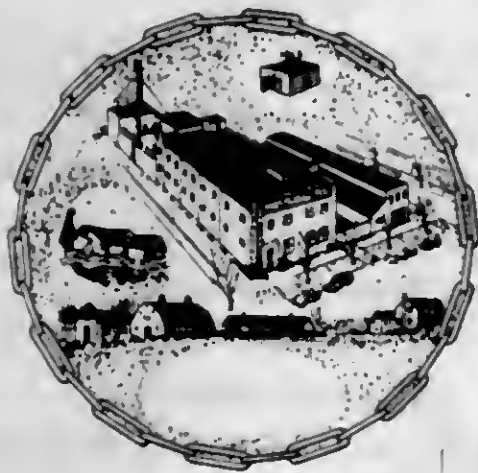


The phrase "A Klee Product" is disclaimed apart from the mark as shown.

For Powdered Hydraulic Cements for Being Mixed With Water To Form Cement Base Paints, and Resin Base Ready Mixed Damp-Proofing Paints.

Claims use since Sept. 12, 1950.

Ser. No. 605,665. The Master Mechanics Co., Cleveland, Ohio. Filed Oct. 31, 1950.



For Pigmented Liquid Coating Compositions—Namely, Surface-Protecting Liquid Coating Compositions, Waterproofing Liquid Coating Compositions, and Heat-Reflecting Liquid Coating Compositions.

Claims use since Oct. 10, 1950.

Ser. No. 609,639. Cargill, Incorporated, Minneapolis, Minn., assignee of Falk & Company. Filed Feb. 5, 1951.

Norlin

For Linseed Oil for Use in Paints and as an Ingredient of Paints and Other Protective Coatings. Claims use since June 2, 1945.

Ser. No. 614,228. Union Bay State Chemical Co., Inc., Cambridge, Mass. Filed May 22, 1951.



For Paints, Stains, Protective Coatings for Corrosion Proofing and Resistance to Chemicals; Primers and Thinners, and Solvents Used in the Manufacture of Coating Compositions.

Claims use since June 1942.

Ser. No. 614,286. M. A. Bruder & Sons, Incorporated, Philadelphia, Pa. Filed May 24, 1951.



LOK-TITE

Exclusive rights are not claimed to the word "Tite" apart from the rest of the mark as shown. Applicant claims ownership of Registrations Nos. 379,725 and 541,154.

For Plywood Primer and Sealer. Claims use since Dec. 18, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 632,173. W. G. Patterson Brokerage Co. Inc., Birmingham, Ala. Filed July 3, 1952.

SAVANA

For Cigars. Claims use since May 1910.

Ser. No. 632,943. Liggett & Myers Tobacco Company, New York, N. Y. Filed July 23, 1952.

JEWEL

For Cigarettes. Claims use since June 30, 1952.

Ser. No. 632,944. Liggett & Myers Tobacco Company, New York, N. Y. Filed July 23, 1952.

FM

For Cigarettes. Claims use since June 30, 1952.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 574,922. Pharmacie Principale de la Porte d'Orleans, doing business as Laboratoire Ertima, Paris, France. Filed Mar. 4, 1949.

INOSIPAN

Applicant claims ownership of French Registration No. 367,168, dated May 20, 1946.

For Tablets for the Organic Fixation of Phosphorus, Calcium, and Iron, Useful in Convalescence in Cases Where the Administration of Calcium is Required Such as Decalcification, Caries, and the Like, and Useful in Some Cases of Convalescence of Insomnia, Asthenia.

Ser. No. 589,799. Na-Spra, Incorporated, St. Louis, Mo. Filed Dec. 22, 1949.

NA-SPRA

Exclusive right to the word "Spra" is not claimed, apart from the rest of the mark.

For Nasal Spray Preparation. Claims use since Oct. 1, 1949.

Ser. No. 596,294. Physiological Chemicals Company, Inc., New York, N. Y. Filed Apr. 25, 1950.

MUSANYL

For Pharmaceutical Preparation for Intra-Muscular Injection for Use in the Treatment of Arthritis, Hypertension, Muscle Spasm, and Poliomyelitis.

Claims use since Mar. 1, 1950.

Ser. No. 605,178. Schenley Laboratories, Inc., New York, N. Y. Filed Oct. 19, 1950.

ULTRACILINA

Applicant claims ownership of Registration No. 510,311. For Medicinal Product Containing Procaine Penicillin and Potassium Penicillin for Aqueous Injection. Claims use since Aug. 14, 1950.

Ser. No. 610,120. The Chemdrug Corporation, New York, N. Y. Filed Feb. 15, 1951.

TV

For Eye Drops for Medicinal Purposes. Claims use since Jan. 22, 1951.

Ser. No. 613,136. Knappen Sales Company, doing business under the trade name or style Knappen Company, Augusta, Mich. Filed Apr. 25, 1951.

Canicil

For Food and Vitamin Supplement for Animal Foods. Claims use since Jan. 9, 1951.

Ser. No. 613,902. American Cyanamid Company, New York, N. Y. Filed May 17, 1951.

OBLETS

Applicant claims ownership of Registration No. 412,124. For Medicinal Tablets for Human Use—Namely, Those Suitable for Administering Doses of Phenothiazine, Sulfonamides, and Antibiotics.

Claims use since Sept. 8, 1950, as to the mark on tablets for human use; and since July 7, 1943, as to other uses.

Ser. No. 616,028. John A. Fitzsimmons, doing business under the name of Fitzsimmons Products, New York, N. Y. Filed July 18, 1951.

MALDERMX

For External Veterinary Liquid Preparation (for Control of the Symptoms of Fungus Infections Commonly Called "Ringworm").

Claims use since September 1941.

Ser. No. 617,035. Thomas Jordan, Incorporated, New Orleans, La. Filed July 27, 1951.

TRIODE

For Preparations Containing Beta-Amylose Tri-iodide for Use in Liquid, Powder, Capsule, and Pill Form for Internal Use and as an Ingredient in Medicaments for External Use.

Claims use since July 18, 1951.

Ser. No. 617,206. Nordmark-Werke Gesellschaft mit Beschraenkter Haftung, Uetersen, Holstein, Germany. Filed Aug. 1, 1951.

ARISTAMID

Applicant claims ownership of German Registration No. 600,785, dated Aug. 18, 1950.

For Sulfonamide Preparations in Tablet, Liquid, Capsule, Ampule, Powder, Gelatin, Salve, and Gel Form.

Ser. No. 619,872. Carter Products, Inc., New York, N. Y., assignor to Wallace Laboratories, Inc., New York, N. Y., a corporation of Delaware. Filed Oct. 11, 1951.

DEODOPHYLL

For Deodorant Tablet for Internal Administration. Claims use since Aug. 6, 1951.

Ser. No. 620,499. Max M. Gethner, doing business under the trade names Persylma Co. and Gethner Drugs, Chicago, Ill. Filed Oct. 26, 1951.

PERSYLMA

For Medicinal Ointment.
Claims use since Mar. 8, 1950.

Ser. No. 620,787. Ortho Pharmaceutical Corporation, Raritan, N. J. Filed Nov. 1, 1951.

Nutri-discs

The word "Discs" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 413,789.

For Nutrient Buffered Vaginal Douche Tablet.
Claims use since May 22, 1951.

Ser. No. 620,909. Barker, Moore & Meln Company, Philadelphia, Pa. Filed Nov. 6, 1951.

THIO-GRO

No claim is made to the word "Gro" apart from the mark as shown.

For Growth Stimulator for Poultry and a Preventive and Control of Cecal (Bloody) Coccidiosis in Poultry.
Claims use since Oct. 12, 1951.

Ser. No. 620,928. Nepera Chemical Co. Inc., Nepera Park, N. Y. Filed Nov. 6, 1951.

MACASOL

Applicant claims ownership of Registration No. 378,850.
For Medicinal Preparation for Use as a Nasal Spray.
Claims use since Oct. 25, 1951.

Ser. No. 621,006. The Ray Ewing Company, Pasadena, Calif. Filed Nov. 8, 1951.

B-MEG

The letter "B" is disclaimed apart from the mark as shown.

For Vitamin Supplements for Poultry and Livestock.
Claims use since Jan. 1, 1951.

Ser. No. 621,192. Xenotek, Inc., Van Nuys, Calif. Filed Nov. 13, 1951.

VEJ-A-CAPS

The letter "A" is disclaimed apart from the mark as shown.

For Vitamin A Preparation.
Claims use since Mar. 19, 1951.

Ser. No. 621,333. Sterling Drug Inc., New York, N. Y. Filed Nov. 21, 1951.

Tod'l

For Antibacterial Baby Bath Preparation Indicated for Use in Protecting Infants Against, and Relieving Superficial Skin Irritations, Impetigo, Diaper and Heat Rash, and Ammonia Odor.

Claims use since Sept. 20, 1951.

Ser. No. 622,167. Ortho Pharmaceutical Corporation, Raritan, N. J. Filed Dec. 6, 1951.



Applicant claims ownership of Registrations Nos. 387,080, 390,141, and others.

For Pharmaceutical and Therapeutic Formulations and Preparations Including: Antiseptic Preparations for Feminine Hygiene in the Form of Creams and Jellies, Spermicides, Vaginal Creams and Jellies, Douche Powders, Preparations for Use in the Management of the Menopause, Preparations for the Treatment of Nausea and Vomiting, Vaginal Creams Used in the Treatment of Specific and Nonspecific Vaginitides, Powdered Enzymes and Enzyme Solutions, Injectable Estrogenic Solutions, Nutrient Buffered Vaginal Douche Tablets, Preparations for Use in Determining the Presence or Absence of Blood Factors and for Typing Human Blood, Preparations for the Preservation and Maintenance of Bovine Semen.

Claims use since June 3, 1949.

Ser. No. 623,268. Barlow-Maney Laboratories, Incorporated, Cedar Rapids, Iowa. Filed Jan. 7, 1952.

NEOTHYLLINE

For Cardiac Drug.
Claims use since Aug. 1, 1951.

Ser. No. 623,742. Abbott Laboratories, North Chicago, Ill. Filed Jan. 18, 1952.

COVICONE

For Dermatological Cream for Protection Against Contact Allergens and Primary Irritants and Excoriating Effects of Diaper Rash and Ileostomy and Colostomy Secretions.

Claims use since Jan. 3, 1952.

Ser. No. 623,948. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed Jan. 23, 1952.

MEGADROL

Applicant claims ownership of Swiss Registration No. 137,295, dated Mar. 24, 1951.

For Hemorrhoidal Suppositories.

Ser. No. 624,709. The Stuart Company, Pasadena, Calif. Filed Feb. 8, 1952. (Sec. 2f as to "Stuart.")

Stuart Amvicel

Applicant claims ownership of Registrations Nos. 397,611 and 517,743.

For Composition Containing Vitamins and Minerals Used as an Obesity Control Product Sold Only on Prescription.
Claims use since Jan. 23, 1952 on the mark as shown; and since Apr. 5, 1951 as to "Stuart."

Ser. No. 626,306. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Mar. 12, 1952.

Fivamid

For Penicillin Derivative in Tablet Form for Combating Organisms Responsible for Infectious Disease Processes.
Claims use since Dec. 27, 1951.

Ser. No. 626,587. Nixon & Company (Nebraska), Omaha, Nebr. Filed Mar. 17, 1952.

"PIG PUSHER"

No claim is made to the word "Pig" except in combination with the mark as shown.

For Bred Sow and Pig Concentrate Used as a Feed Supplement.

Claims use since Apr. 15, 1951.

Ser. No. 627,959. Roy L. Papermaster, doing business under the fictitious name Master Pharmaceutical Products, West Los Angeles, Calif. Filed Apr. 11, 1952.

TV

For Eye Drops for Medicinal Use.
Claims use since Feb. 1, 1951.

Ser. No. 628,627. Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Filed Apr. 24, 1952.

COBROXIN

For Cobra Venom Solution for Medicinal Use.
Claims use since October 1951.

Ser. No. 629,037. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed May 1, 1952.



In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red.

For Medical Preparation—Namely, Tablets for the Relief of Insomnia.

Claims use since Mar. 18, 1952.

Ser. No. 629,222. The Vap-O-Glo Company, St. Helena, Oreg. Filed May 3, 1952.

Vap-O-Glo

The word "Glo" is disclaimed apart from the mark as shown.

For All Types of Candles Impregnated With Ingredients Useful in the Treatment of Nasal Congestion and Having a High Vapor and/or Volatile Qualities.

Claims use since Nov. 15, 1951.

Ser. No. 629,885. Chicago Pharmacal Company, Chicago, Ill. Filed May 19, 1952.

BARBIPIL

For Medicinal Preparation in Pill Form Used as a Sedative.

Claims use since Apr. 30, 1948.

Ser. No. 630,020. The Purdue Frederick Company, New York, N. Y. Filed May 21, 1952.

COLPOCAP

For Therapeutic Vaginal Capsule for Use in Vaginal Disorders Such as Gonorrhea, Endocervicitis, Cervical Erosions and After Certain Gynecological Operative Procedures.

Claims use since May 15, 1952.

Ser. No. 630,024. The Purdue Frederick Company, New York, N. Y. Filed May 21, 1952.

GERIPULVIS

For Solution of Essential Nutrients—Namely, Vitamins, Minerals, and Other Nutrients and Appetite Stimulants Specifically Formulated for the Aged.

Claims use since May 15, 1952.

Ser. No. 631,290. Intermedico Corporation, New York, N. Y. Filed June 17, 1952.

COMISON

For Pharmaceuticals—Namely, Isonicotinic Acid Hydrate Tablets.

Claims use since Apr. 1, 1952.

Ser. No. 631,584. Travenol Laboratories, Inc., Morton Grove, Ill. Filed June 21, 1952.

SYNTHROID

For Synthetic Thyroxine for Treatment of Myxedema, Cretinism, and Various Other Hypometabolic States.

Claims use since June 16, 1952.

Ser. No. 631,064. Elva H. Bradford, doing business as Presto Mange Remedy Co., Oklahoma City, Okla. Filed June 23, 1952.



The drawing is lined to indicate the color red. All wording on the drawing with the exception of the terms "Presto" and "Little Nussle" is disclaimed. Applicant claims ownership of Registration No. 510,590. For Remedy Used To Cure Animal Sarcopic Mange. Claims use since June 11, 1951.

Ser. No. 632,141. Allied Laboratories, Inc., Kansas City, Mo. Filed July 5, 1952.

FUZENE

For Diffusible Ointment Base for Medicinals. Claims use since July 24, 1951.

Ser. No. 632,713. Maurice Broden, doing business as Broden's Drugs, Buchanan, N. Y. Filed July 18, 1952.

"TIKEL"

For Medicinal Preparation Sold in Syrup and Lozenge Form Indicated for the Relief of Coughs Due to Colds. Claims use since on or about Mar. 15, 1952.

Ser. No. 632,873. Chilton Laboratories, Inc., Montclair, N. J. Filed July 22, 1952.

Alka-jets

For Tablets for Internal Use To Relieve Excess Acidity, Stomach Distress, and Deodorize the Breath. Claims use since Feb. 21, 1952.

Ser. No. 632,874. Chilton Laboratories, Inc., Montclair, N. J. Filed July 22, 1952.

CHLORAMEDS

For Tablets for Internal Use To Relieve Coughs, Minor Throat Irritations, and Purify the Breath. Claims use since Jan. 30, 1952.

Ser. No. 633,166. Organon Inc., Orange, N. J. Filed July 28, 1952.

COVISTEN

For Pharmaceutical Preparation To Be Used as a Dietary Supplement. Claims use since July 1, 1952.

Ser. No. 633,320. Nutrition Research Laboratories, Inc., Chicago, Ill. Filed July 31, 1952.

PAMIBROM

For Pharmaceutical in Tablet Form To Prevent the Retention of Fluid for the Relief and Control of Premenstrual Tension and Dysmenorrhea. Claims use since June 2, 1952.

Ser. No. 633,332. Schering Corporation, Bloomfield, N. J. Filed July 31, 1952.

DISULAMYD

Applicant claims ownership of Registration No. 379,386. For Sulfonamide. Claims use since May 20, 1952.

Ser. No. 633,397. The Wander Company, Chicago, Ill. Filed Aug. 1, 1952.

MEPRODIL

For Antithyroid Mixture. Claims use since June 30, 1952.

Ser. No. 634,108. Parke, Davis & Company, Detroit, Mich. Filed Aug. 18, 1952.

THERA-COMBEX

Applicant claims ownership of Registration No. 365,061. For Multiple Vitamin Preparation for the Treatment of Vitamin Deficiency. Claims use since June 27, 1952.

Ser. No. 637,424. The Bowman Brothers Drug Co., Canton, Ohio. Filed Oct. 31, 1952. (Sec. 2f.)

BOWMAN

Applicant claims ownership of Registration No. 377,683. For Medicinal and Pharmaceutical Preparations—Namely, Antipyretics, Antiseptics, Analgesics, Anesthetics, Appetite Stimulants, Alterative Compositions, Anodynes, Anthelmintic Medicinals, Antibacterials, Aspirins, Astringents, Barbiturates, Cardiacs, Carminatives, Castor Oil, Cod Liver Oil, Cold Preparations, Cough Preparations, Dermatological Preparations, Digestant, Diagnostic Indicators, Dietary Supplements, Diuretics, Embrocations, Emollients, Fluid-Extracts, Fungicides, Germicides, Hepatics, Herb Compounds, Hormone Compounds, Hypnotics, Inhalants, Laxatives, Liniments, Lubricating Jellies, Medical Salts, Medical Lotions, Medical Ingredients, Narcotics, Nasal Sprays, Ointments, Olive Oil, Ophthalmic Compounds, Petrolatum, Pharmaceutical Disinfectants, Placebos, Poisons, Sedatives, Soporifics, Stimulants, Tinctures, Tonics, Vascular Preparations, and Vitamin Preparations. Claims use since on or about April 1932.

Ser. No. 637,837. The Berjon Company, Memphis, Tenn. Filed Nov. 10, 1952.



For Liquid Analgesic Compound for Relieving Functional Menstrual Pain. Claims use since July 29, 1952.

Ser. No. 638,182. General Electric Company, Schenectady, N. Y. Filed Oct. 30, 1952.

CHOLETAB

For Diagnostic Opaquing Preparation. Claims use since May 1952.

Ser. No. 638,266. Merck & Co. Inc., Rahway, N. J. Filed Nov. 18, 1952.

VETSTREP

For Antibiotics for Veterinary Use. Claims use since Oct. 22, 1952.

Ser. No. 638,341. The Wander Company, Chicago, Ill. Filed Nov. 19, 1952.

Veratrabar

Applicant claims ownership of Registration No. 537,433. For Compound for the Alleviation of Hypertension. Claims use since June 30, 1952.

CLASS 19

VEHICLES

Ser. No. 603,615. Continental Copper & Steel Industries, Inc., Perth Amboy, N. J. Filed Sept. 8, 1950.

ROTTMER

For Life Boat Release Gear Consisting of a Hook, Associated Keepers, and Connecting Linkages. Claims use since 1900.

Ser. No. 631,019. Neway Equipment Company, Muskegon, Mich. Filed June 10, 1952.

NEWay

For Dual Axle Spring Assemblies for Vehicles. Claims use since Nov. 1, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 578,718. Shure Brothers, Incorporated, Chicago, Ill. Filed May 12, 1949.



For Magnetic Medium Recorder Heads, Phonograph Pickup Cartridges, Phonograph Tone Arms, Switches, Transformers, Coiled Electric Cord, Microphone Cartridges, Microphone Desk Stands and Microphones. Claims use since May 1936.

Ser. No. 592,267. Laher Spring and Tire Corporation, Oakland, Calif. Filed Feb. 10, 1950.

REGENT

Applicant disclaims any exclusive right to the circular design separate and apart from its use as a part of the trade-mark as shown.

For Automobile Storage Batteries. Claims use since January 1949.

Ser. No. 598,028. Modernophone, Inc., New York, N. Y. Filed May 24, 1950.

Dormiphone

For Electrical Sound-Reproducing Apparatus, With Speaker or Earphones, and Timing Device Which Can Be Pre-Set To Determine Interval Between Cycles. Claims use since July 12, 1948.

Ser. No. 608,468. T. Oertli A. G., Zurich, Switzerland. Filed Jan. 6, 1951.



Applicant claims ownership of Swiss Registration No. 106,729, dated Apr. 8, 1944.

For Electrical Juicers for Domestic Use, Electrical Bakery and Pastry Machines for Domestic Use, Electrical Food Cutting Machines, Electrical Food Mixing Machines, Electrical Kneading Machines for Domestic Use, Electrical Cream Whipping Machines, Electrical Potato Peeling Machines, Electrical Deep Fat Fryers, Electrical Grills.

Ser. No. 631,964. Elva H. Bradford, doing business as Presto Mange Remedy Co., Oklahoma City, Okla. Filed June 23, 1952.



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For Remedy Used To Cure Animal Sarcoptic Mange. Claims use since June 11, 1951.

Ser. No. 632,141. Allied Laboratories, Inc., Kansas City, Mo. Filed July 3, 1952.

FUZENE

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Ser. No. 598,028. Modernophone, Inc., New York, N. Y. Filed May 24, 1950.

Dotmiphone

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Ser. No. 608,468. T. Oertli A. G., Zurich, Switzerland. Filed Jan. 6, 1951.



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For Electrical Juicers for Domestic Use, Electrical Bakery and Pastry Machines for Domestic Use, Electrical Food Cutting Machines, Electrical Food Mixing Machines, Electrical Kneading Machines for Domestic Use, Electrical Cream Whipping Machines, Electrical Potato Peeling Machines, Electrical Deep Fat Fryers, Electrical Grills.

Ser. No. 610,645. Teleprompter Corporation, New York, N. Y. Filed Feb. 28, 1951.

TELEPROMPTER

For Electrically-Operated Apparatus for the Cuing of Speakers and Actors by Means of Scripts Advanced in Conformity With the Action and/or Dialogue or Monologue To Be Presented and Electrical Driving, Switching, and Speed Control Equipment Therefor, and Parts Thereof.
Claims use since Sept. 1, 1950.

Ser. No. 615,903. Rek-O-Kut Company, Long Island City, N. Y. Filed June 29, 1951.

Rhythmmaster

For Electrically Operated Phonograph Record Players.
Claims use since Mar. 26, 1951.

Ser. No. 620,447. Waukesha Motor Company, Waukesha, Wis. Filed Oct. 24, 1951.

**L-B
LESS-BATTERY**

No claim is made to the words "Less-Battery" apart from the mark as shown.

For Apparatus Adapted To Be Mounted on, and To Supply Electric Current to, Railway Cars and Embodying Electric Generators, Internal Combustion Engines for Driving the Generators, Storage Batteries for Starting the Engines and Automatic Electrical Equipment for Regulating the Voltage of the Generators and Controlling Starting and Stopping of the Engines.
Claims use since Oct. 16, 1951.

Ser. No. 621,963. Industrial Research, Inc., Miami, Fla. Filed Dec. 1, 1951.

Hydrocap

For Catalyst Battery Caps for Electrical Storage Batteries.
Claims use since Sept. 10, 1951.

Ser. No. 628,350. Erie Resistor Corporation, Erie, Pa. Filed Apr. 19, 1952. (Sec. 2f.)

ERIE

For Electrical Condensers and Resistors.
Claims use since 1931.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 596,092. Sterling Net & Twine Company, Inc., Belleville, N. J. Filed May 1, 1950.

NYLOON

For Fishing Lines and Fishing Nets.
Claims use since Apr. 28, 1950.

Ser. No. 610,524. The Ross Bait Manufacturing Co., Akron, Ohio. Filed Feb. 26, 1951.

00 • RIFFLE

For Artificial Fish Lure.
Claims use since Apr. 27, 1949.

Ser. No. 619,244. Irving Jacobs, doing business under the trade name and style of Jacmar Mfg. Company, New York, N. Y. Filed Sept. 26, 1951.

ELECTRIZ

The word "Quiz" is herewith disclaimed apart from the mark as shown.

For Educational Game Including Questions and Answers and an Electrical Signal System for Indicating Correct Answers.
Claims use since July 14, 1950.

Ser. No. 623,446. Sport Products, Inc., Cincinnati, Ohio. Filed Jan. 3, 1952.

Par-master

Applicant claims ownership of Registrations Nos. 210,114 and 361,678.

For Golf Clubs.
Claims use since July 9, 1941.

Ser. No. 623,741. Vulco Chemical Company Limited, Johannesburg, Union of South Africa. Filed Jan. 17, 1952.

VULCO

Priority under Sec. 44(d). Union of South African application filed July 19, 1951; Registration No. 2017/51, dated Feb. 28, 1952.

For Hollow Rubber Toys Representing Animals and Other Toy Articles, All Made From Natural Rubber Latex With Fast Colors and Being Crack and Peel Proof and Having Squeakers.

Claims use since April 1950 in the Union of South Africa; and since Nov. 7, 1951, in commerce between foreign nations and the United States, especially between the Union of South Africa and the United States.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 347,194. Treadwell Engineering Company, Easton, Pa. Filed Jan. 15, 1948. (Sec. 2f.)

TREADWELL

Applicant claims ownership of Registration No. 157,292. For Rolling Mill Machinery; Hot Transfer Machinery; Hot Transfer Drives; Hot Transfer Run-in Tables; Crop Chutes; Hot Transfer Run-Out Pusher Tables; Shears; Plate Turn-Overs; Disappearing Stops; Collars; Pliers; Cooling Beds; Casting Wheels; Un-Collars; Cold Mills;

Grain Mills; Plate Mill Tables; Plate Handling Machinery; Rubbing Beds; Tube Mills; Furnace Pnebers; Conveyors and Parts Thereof; Rolling Mills; and Ingot Tables for Rolling Mills.
Claims use since Feb. 1, 1921.

Ser. No. 547,195. Treadwell Engineering Company, Easton, Pa. Filed Jan. 15, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 158,117. For Pipe Making Machines; Grain Mills; Cold Rolling Mills (Small); and Machines for Casting Wheels.
Claims use since about Feb. 1, 1921.

Ser. No. 616,225. Cultiguard Shovel Company, Waldo, Ohio. Filed July 9, 1951.

CULTIGUARD

For Power Drawn Cultivator Shovels.
Claims use since Mar. 19, 1951.

Ser. No. 616,939. A. S. Cameron Steam Pump Works, Phillipsburg, N. J., and New York, N. Y., assignor to Ingersoll-Rand Company, Phillipsburg, N. J., a corporation of New Jersey. Filed July 26, 1951. (Sec. 2f.)

CAMERON

Applicant claims ownership of Registration No. 140,766. For Centrifugal Pumps of the Following Types: General Hydraulic, Boiler Feed, Refinery and Process, Marine, Pipe Line, Paper and Pulp Production, Chemical, Water Works, Mine Drainage, Food and Beverage, Machine Tool and Engine Cooling, Home Supply and Well Pumping.
Claims use since July 1886.

Ser. No. 617,220. The Wood Shovel and Tool Company, Piqua, Ohio. Filed Aug. 1, 1951. (Sec. 2f as to the term "The Wood Shovel & Tool Company.")



No claim is made to the use of the words "Piqua Ohio U S A" apart from the mark as shown. Applicant claims ownership of Registration No. 148,320.

For Scoops and Shovels.
Claims use since Aug. 10, 1950 as shown; since Feb. 11, 1921 as to the portions thereof other than the shield in the center and the two panels on either side of said shield; and since Apr. 20, 1931 as to the portions thereof other than said two panels.

Ser. No. 619,480. Sewing Machine Factors, San Francisco, Calif. Filed Oct. 1, 1951.

REGENT

For Sewing Machines.
Claims use since Apr. 18, 1949.

Ser. No. 621,665. The Fawick Airflex Company, Inc., Cleveland, Ohio. Filed Nov. 26, 1951.



For Industrial and Marine Clutches, Brakes for Industrial Machines, and Flexible Shaft-Couplings.
Claims use since November 1947.

Ser. No. 623,203. Pearlduck, Inc., New York, N. Y. Filed Jan. 4, 1952.



Applicant claims ownership of Registration No. 250,452. For Razors, Shears, Scissors, Knives, of Base Metal, and Hair Clippers.
Claims use since Mar. 1, 1928.

Ser. No. 623,752. Crown Cork & Seal Company, Inc., Baltimore, Md. Filed Jan. 18, 1952.

CEMSEAL

For Machines for Capping or Vacuum Capping Jars and Other Containers.
Claims use since Dec. 21, 1949.

Ser. No. 624,451. Farm Tools, Inc., Mansfield, Ohio. Filed Feb. 2, 1952.



The drawing is lined for red. No claim is made to the word "Bearing" or to the representation of the goods apart from the mark as shown.

For Plain Bearings.
Claims use since Dec. 20, 1951.

Ser. No. 628,669. Buell Engineering Company, Inc., New York, N. Y. Filed Apr. 25, 1952.



For Dust and Particle Separators and Samplers for Industrial Use, for Gathering or Collecting of Dust or Other Particles, Sold as a Unit, and Parts Thereof.
Claims use since Mar. 15, 1952.

Ser. No. 630,583. Convento Mfg. Co., Inc., Cambridge City, Ind. Filed June 2, 1952.

Convento

For Hoists for Lifting and Lowering Bodies on Trucks, Operated Manually, Hydraulically, and Electrically; and Dumping Hoists for Farm Equipment.
Claims use since on or about Dec. 1, 1939.

Ser. No. 632,431. Kelsner Manufacturing Company, Reading, Pa. Filed July 11, 1952.

MIRACLE

For Grass Shears.
Claims use since October 1939.

Ser. No. 632,568. Morse Sewing Machine and Supply Corp., New York, N. Y. Filed July 15, 1952.

EMPRESS

For Sewing Machines.
Claims use since July 1, 1952.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 528,263. The Creamery Package Mfg. Company, Chicago, Ill. Filed July 10, 1947.

LACTRON

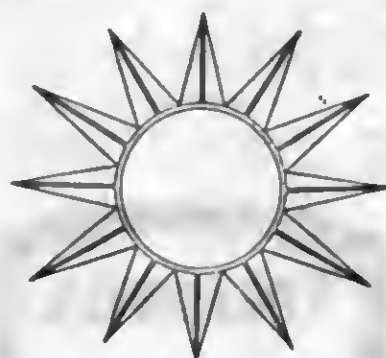
For Electronically Operated Liquid Level Controls for Measuring and/or Controlling the Volume of Fluid Product in a Bulk Container.
Claims use since December 1943.

Ser. No. 580,341. Technicon Cardiograph Corporation, New York, N. Y. Filed June 9, 1949.

TECHNICON

For Heat and/or Pressure Sensitive Chart Paper for Use in Electrocardiographs.
Claims use since May 29, 1947.

Ser. No. 616,458. Sun Electric Corporation, Chicago, Ill. Filed July 13, 1951.



For Automotive Power Plant Testing Apparatus.
Claims use since June 13, 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 633,466. Meyer Robbin, doing business as Robbin Products, Los Angeles, Calif. Filed Aug. 4, 1952.

RIST-MATE

The notation "Rist" is disclaimed apart from the mark as shown.
For Wrist Watches.
Claims use since June 26, 1952.

Ser. No. 634,797. Joseph H. Meyer Bros., Brooklyn, N. Y. Filed Sept. 3, 1952.

PHENIX

Applicant claims ownership of Registration No. 433,096.
For Watches.
Claims use since Aug. 15, 1952.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 622,802. Gorham Manufacturing Company, Providence, R. I. Filed Dec. 27, 1951.

VITRION

For Hollowware and Tableware Made of Sterling Silver in Combination With Ceramics.
Claims use since Aug. 29, 1951.

Ser. No. 632,402. Artlac Inc., New York, N. Y. Filed July 12, 1952.

Lady Ro-Ann

For Simulated Pearls and Ornaments Incorporating the Same, Consisting of Necklaces, Bracelets, Earrings, Ear Screws, Amulets, and Pin and Dress Ornaments, but Not Including Watches.
Claims use since June 1, 1952.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 575,217. Lyon Metal Products, Incorporated, Aurora, Ill. Filed Mar. 10, 1949. (Sec. 2f.)

LYON

Applicant claims ownership of Registration No. 99,326.
For Storage Lockers; Parts of and Accessories for Storage Lockers—Namely, Closed Bases, Benches, Sloping Tops, and Stops To Prevent Articles From Rolling Out; Storage Locker and Open Clothing Storage Rack Combinations; Metal Cases With Drawers for Storing Small Parts, and Dividers for Such Drawers; Tool Storage and Display Stands With and Without Drawers; Parts of Tool Storage and Display Stands—Namely, Trays; Storage, Display, Supporting, and Protective Cabinets for Supporting and Enclosing Various Devices; Steel Kitchen Cabinets; Parts of and Accessories for Steel Kitchen Cabinets—Namely, Scribing Fillers, Corner Shelves, Finishing End Panels, Base Corner Sections, Wall Corner Sections, Sliding Cutlery Trays in the Nature of Drawer Inserts, Adjustable Drawer Partitions, Sliding Cutting Boards in the Nature of Drawer Inserts, Bread and Cake Boxes in the Nature of Drawer Inserts, Shelf Units, and Work Tops; and Parts of and Accessories for Porcelain Sinks With Cabinets—Namely, Sink Cabinets, Sink Counter Tops, and Sink Fronts.
Claims use since Dec. 1, 1913.

Ser. No. 623,425. Joseph S. Moore, Jr., Ackerman, Miss. Filed Jan. 10, 1952.

BEL-WOOD

The word "Wood" is disclaimed apart from the mark as shown on the drawing.
For Commercial and Home Furniture and Fixtures—Namely, Kitchen Closets and Cabinets, and Bathroom Closets and Cabinets.
Claims use since Mar. 15, 1945.

Ser. No. 624,990. Aurora Equipment Company, Aurora, Ill. Filed Feb. 15, 1952.

ZIP-IN

For Vertical-Type Wall Rins for Parts, Shelf Units, Display and Service Counters, and Storage Racks.
Claims use since Jan. 18, 1952.

Ser. No. 632,154. The Columba Mills, Inc., Syracuse, N. Y. Filed July 5, 1952.

Texvin

For Window Shades.
Claims use since May 28, 1952.

Ser. No. 632,198. The Chas. W. Breneman Company, Cincinnati, Ohio. Filed July 7, 1952.

PACIFIC

For Window Shades Made From Split Cypress Slats.
Claims use since June 1952.

Ser. No. 635,044. Mayer Bros., Seattle, Wash. Filed Sept. 9, 1952.

COURTSHIP

For Finger Rings and Mountings Therefor.
Claims use since on or about Sept. 26, 1929.

Ser. No. 635,121. 20th Century Novelty Co., New York, N. Y. Filed Sept. 11, 1952.

"Nevabroke"

For Finger Rings.
Claims use since June 16, 1952.

Ser. No. 635,281. U. S. Jewelry Co. Inc., Baltimore, Md. Filed Sept. 15, 1952.

Pride-more

For Diamond Rings.
Claims use since Sept. 5, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 635,711. The Patterson-Sargent Company, Cleveland, Ohio. Filed Sept. 24, 1952.

DOVAL

The representation of the paint roller is disclaimed.
Applicant claims ownership of Registrations Nos. 251,537 and 559,488.

For Paint Applicator of the Roller Type.
Claims use since Aug. 21, 1952.

Ser. No. 636,104. The Wooster Brush Company, Wooster, Ohio. Filed Oct. 2, 1952.

WELL-WORTH

For Paint Applying Devices—Namely, Brushes and Roller Applicators.
Claims use since 1936.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 632,971. American Felt Company, Glenville, Conn. Filed July 24, 1952.

Windsor Felt



The word "Felt" is disclaimed.
For Dust Filters Made of a Semi-Felted Fabric Including Among Other Fibers, Fibers of Thermoplastic Material.
Claims use since during June 1947.

Ser. No. 632,332. Southern Bedding & Furniture Co. Inc., West Monroe, La. Filed July 9, 1952.

Southern Maide

For Chairs and Sofa Beds.
Claims use since Oct. 1, 1951.

Ser. No. 633,157. The Lane Company, Inc., Altavista, Va. Filed July 28, 1952. (Sec. 2f.)

LANE

Applicant claims ownership of Registrations Nos. 175,916, 271,946, and others.

For Cedar Wardrobes, Cedar Chiffonrobes, Cedar Closets, Cedar Chests, Designed for the Destroying of and the Protection Against Moths and Eggs and Worms in Clothing, Etc., and Tables.

Claims use since July 18, 1922.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 633,479. Mercantile Stores Company, Inc., Wilmington, Del. Filed July 24, 1952. (Sec. 2f.)

Cromwell

Applicant claims ownership of Registration No. 354,992. For Gas Stoves.
Claims use since May 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 624,347. Mastabar Belt Fastener Co. Limited, Hull, England. Filed Jan. 31, 1952.

Comet

Applicant claims ownership of British Registration No. 650,094, dated July 23, 1946.
For Fastening Laces for Belting.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 637,708. Gramercy Records, Inc., New York, N. Y. Filed Nov. 6, 1952.

GRAMERCY

For Grooved Phonograph Records.
Claims use since May 12, 1952.

CLASS 37

PAPER AND STATIONERY

Ser. No. 525,639. M. Meghrig & Sons, New York, N. Y. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Sept. 16, 1950. (Sec. 2f as to "Meghrig.")



The word "Line" is disclaimed apart from the combination shown.

For Philatelic and Numismatic Equipment and Supplies—Namely, Blank Coin and Stamp Stock Books, Blank Display Cards, Blank Collector's Books, and Blank Stamp and Coin Albums, and Blank Display Cards for Stamps and Coins.

Claims use since May 1, 1947 on the mark as shown; and since Aug. 1, 1930 on the word "Meghrig."

Ser. No. 526,015. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, July 22, 1949.

CHESTERFIELD

For Paper Tablets; Papeteries, i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios or Banded Packages; and Mailing and Correspondence Envelopes.

Claims use since 1917.

Ser. No. 549,261. Sheppard Envelope Company, Worcester, Mass. Filed Feb. 10, 1948. (Sec. 2f as to "Sheppard.")



The body of the "S" consists of spaced intersecting lines in cross-hatched fashion. Applicant claims ownership of Registration No. 321,445.

For Correspondence Envelopes.

Claims use since Oct. 1, 1946 as to the mark shown; and since in 1921 as to the name "Sheppard."

Ser. No. 556,466. Paper Art Company, Inc., Indianapolis, Ind. Filed May 7, 1948. (Sec. 2f as to the words "Paper Art.")



Applicant claims ownership of Registrations Nos. 352,126 and 533,536.

For Paper Napkins, Paper Table Cloths, and Paper Guest Towels.

Claims use since Mar. 10, 1948; and since Jan. 21, 1932 as to the words "Paper Art."

Ser. No. 590,943. Paper Manufacturers Co., Philadelphia, Pa. Filed Jan. 16, 1950.



The lined portions of the drawing represents the colors red and blue. The words "Facsimile Mailing" are disclaimed apart from the mark as illustrated in the drawing.

For Small Paper Rolls Used in Mailing and Addressing Machines.

Claims use since June 15, 1949.

Ser. No. 602,563. Malanco, Inc., Blue Island, Ill. Filed Aug. 22, 1950.

Mal Pak

The word "Pak" in the trade-mark is disclaimed apart from the mark as shown.

For Greaseproof Paper Used for Lining Baking Pans.
Claims use since June 13, 1949.

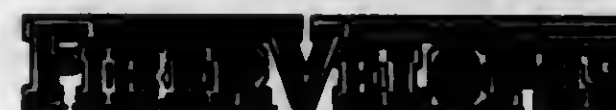
Ser. No. 622,611. A. G. Mayer Inc., New York, N. Y. Filed Dec. 17, 1951.

Sealproof

For Plastic Containers—Namely, Cases for Holding Pens and Pencils.

Claims use since May 25, 1951.

Ser. No. 624,625. American Fiber-Velope Mfg. Co., Philadelphia, Pa. Filed Feb. 7, 1952.



The applicant disclaims the word "Fiber" alone and apart from the mark as shown.

For Expanding Envelopes and File Folders, File Folders, Pocket File Folders, and Document File Folders.

Claims use since on or about Jan. 2, 1914.

Ser. No. 624,637. Jack Einstein, doing business as J. Einstein Company, Forest Hills, N. Y. Filed Feb. 7, 1952.

OXY PHEN

For pH Testing Paper.
Claims use since Jan. 2, 1950.

Ser. No. 629,839. The Champion Paper and Fibre Company, Hamilton, Ohio. Filed May 17, 1952.

Chamkote

For Box Cover Paper.
Claims use since on or about Mar. 19, 1952.

Ser. No. 629,955. Roseth Corporation, Brooklyn, N. Y. Filed May 20, 1952.

ARCTIC WRAP

No claim is made to the exclusive use of the word "Wrap" apart from the mark as shown.

For Polyethylene Laminated Paper for Wrapping Food.
Claims use since May 6, 1952.

Ser. No. 631,192. Phillip Witz, Denison, Tex. Filed June 13, 1952.

INSTANTGRAPH

For Loose-Leaf Folders and Blank Forms.
Claims use since Jan. 7, 1952.

Ser. No. 633,100. The Champion Paper and Fibre Company, Hamilton, Ohio. Filed July 26, 1952.

PANAIRINT

For Printing Paper.
Claims use since on or about Dec. 17, 1951.

Ser. No. 633,335. Sherman Paper Products Corporation, Newton, Mass. Filed July 31, 1952.

QUADROFLEX

For Corrugated Wrapping Paper.
Claims use since Mar. 18, 1952.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 620,281. Southern Farmer, Inc., Montgomery, Ala. Filed Oct. 20, 1951.

Southern FARM & HOME

For Newspaper.
Claims use since Aug. 28, 1951.

Ser. No. 624,111. Union of American Hebrew Congregations, New York, N. Y. Filed Jan. 23, 1952.

A American Judaism

The words "American Judaism" are disclaimed, apart from the mark as shown.
For Bimonthly Magazine.
Claims use since Oct. 27, 1951.

Ser. No. 628,043. Johnston Export Publishing Co., New York, N. Y. Filed Apr. 14, 1952. (Sec. 21 as to "El Exportador Americano.")



Applicant disclaims the word "Automovillano" except as shown. The mark is literally translated into English: "The American Exporter Automobillism." Applicant claims ownership of Registrations Nos. 226,592, 232,091, and others.
For Periodical Publications.
Claims use since Mar. 28, 1952, as to the mark shown; and since in 1889 as to "El Exportador Americano."

Ser. No. 628,908. Approved Comics, Inc., New York, N. Y. Filed Apr. 30, 1952.

SANTA CLAUS
PARADE

The words "Santa Claus" are herewith disclaimed.
For Annual Publication.
Claims use since on or about Oct. 19, 1951.

Ser. No. 628,910. Approved Comics, Inc., New York, N. Y. Filed Apr. 30, 1952.

THE
CRIME
CLINIC

The word "Crime" is herewith disclaimed.
For Magazines.
Claims use since on or about May 18, 1951.

Ser. No. 628,976. Ziff-Davis Publishing Company, New York, N. Y. Filed Apr. 30, 1952.

Cinderella
LOVE

The word "Love" is disclaimed.
For Magazines.
Claims use since on or about Nov. 24, 1950.

Ser. No. 628,978. Ziff-Davis Publishing Company, New York, N. Y. Filed Apr. 30, 1952.

WILD BOY

For Magazines.
Claims use since on or about Nov. 14, 1950.

Ser. No. 629,430. Galaxy Publishing Corp., New York, N. Y. Filed May 9, 1952.

Galaxy

For Magazines and Books.
Claims use since Sept. 20, 1950.

Ser. No. 631,373. The Pennsylvania Railroad Company, Philadelphia, Pa. Filed June 18, 1952.

The **PENNSY**

For Periodical Publication.
Claims use since May 28, 1952.

Ser. No. 631,585. Tullar-Meredith Co., New York, N. Y., assignor to Lorenz Publishing Company, Dayton, Ohio, a partnership consisting of Karl K. Lorenz, Ellen Jane Lorenz Porter, and Edmund B. Lorenz. Filed June 21, 1952. (Sec. 21.)

Tullar-Meredith

Applicant claims ownership of Registration No. 186,108. For Publications Comprising Church and Sunday School Music, Programs, and Entertainments.
Claims use since 1898.

Ser. No. 631,690. Rootie Kazootie, Inc., New York, N. Y. Filed June 24, 1952.

ROOTIE
KAZOOTIE

For Magazines.
Claims use since June 13, 1952.

CLASS 39
CLOTHING

Ser. No. 560,624. Indiana Fur Co. Inc., Indianapolis, Ind. Filed July 2, 1948.

Vassar-Guill

The surname "Vassar" is disclaimed apart from the mark as shown.
For Fur Coats, Capes, Scarfs and Neck Pieces, Cloth Coats and Capes, and Fur Trimmed Cloth Coats and Capes for Women.
Claims use since Apr. 15, 1936.

Ser. No. 568,137. Wells Lamont Corporation, Chicago, Ill. Filed Nov. 3, 1948.



Applicant claims ownership of Registrations Nos. 251,327, 303,007, and others.
For Work Gloves of Leather and of Leather and Fabric.
Claims use since Mar. 10, 1940.

Ser. No. 584,094. Wall-Streeter Shoe Co., North Adams, Mass. Filed Aug. 26, 1949.

Wall Streeter

For Men's and Boys' Shoes of Leather, Leather and Rubber, Leather and Fabric, and Combinations of the Same.
Claims use since August 1925.

Ser. No. 588,476. Benioffs Furs, Allentown, Pa. Filed Nov. 29, 1949. (Sec. 21.) CONCURRENT USE for the area comprising all of the United States excepting the States of California, Oregon, Washington, Nevada, Idaho, Wyoming, Utah, Colorado, Arizona, New Mexico, and Montana.

Benioffs

The drawing is lined for shading only.
For Fur Coats, Fur Jackets, Fur Capes, and Fur Neck Pieces and Scarfs.
Claims use since 1922.

Ser. No. 607,122. Daryl Dress Company, St. Louis, Mo. Filed Nov. 30, 1950.

MR.

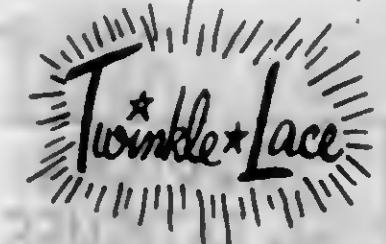
For Women's and Misses' Skirts.
Claims use since July 27, 1950.

Ser. No. 618,779. Associated Lerner Shops of America, Inc., New York, N. Y. Filed Sept. 14, 1951.

Young Steppers

For Children's and Junior Misses' Shoes Made of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since Aug. 30, 1951.

Ser. No. 620,860. David E. Schwab & Co. Inc., New York, N. Y. Filed Nov. 3, 1951.



The word "Lace" is disclaimed apart from the mark as shown on the drawing.
For Lace Handkerchiefs and Lace Scarfs Used as Mantillas.
Claims use since Aug. 27, 1951.

Ser. No. 621,037. The Superb Glove Company, Johnstown, N. Y. Filed Nov. 8, 1951. (Sec. 21 as to "Superb.")

'Eclat' gloves by Superb

The word "Gloves" is disclaimed apart from the mark as shown on the drawing. Applicant claims ownership of Registrations Nos. 368,102 and 416,598.
For Ladies' Gloves of Leather, Fabric, and Combinations Thereof.
Claims use since Sept. 2, 1950 as to the mark shown; and since Jan. 3, 1919 as to the mark "Superb."

Ser. No. 621,830. Little Miss Undies, Inc., Yonkers, N. Y. Filed Nov. 29, 1951.



The picture of the child shown on the drawing is fanciful.
For Infants', Children's, Boys', and Girls' Underwear.
Claims use since Apr. 5, 1951.

Ser. No. 623,219. Van Raalte Company, Inc., New York, N. Y. Filed Jan. 4, 1952.

MIGNONETTE

For Women's and Misses' Underwear.
Claims use since Dec. 19, 1951.

Ser. No. 623,311. Lin-Lite, Inc., New York, N. Y. Filed Jan. 8, 1952.

The Kabaya

The mark consists of the words "The Kabaya." For Men's Sport Coats.
Claims use since Dec. 24, 1951.

Ser. No. 625,206. Morton Katten, Incorporated, New York, N. Y. Filed Feb. 19, 1952.



The drawing of the boy with the rake is fanciful. The surname "Karten's" in the possessive form, the word "Fatigues" and the representation of the goods are disclaimed apart from the mark shown on the drawing.
For Children's Play Suits and Overalls.
Claims use since September 1951.

Ser. No. 628,086. American Throwing Company, Inc., Griffin, Ga. Filed Apr. 15, 1952.

KNIT-KINS

Apart from the combination "Knit-Kins," the word "Knit" is disclaimed.
For Infants' and Children's Knitted Underwear.
Claims use since Mar. 3, 1952.

Ser. No. 628,885. White Swan Uniforms, Inc., Yonkers, N. Y. Filed Apr. 29, 1952.

Silver Swan

Applicant claims ownership of Registrations Nos. 194,124, 286,103, 289,092, and 530,368.

For Ladies' and Misses' Uniforms for Nurses, Doctors, Dentists, Laboratory Technicians, Manicurists, Maids, Etc., and Uniform Dresses.

Claims use since Mar. 31, 1952.

Ser. No. 628,962. William H. Schlegel, doing business as Polly-Betts Undies, Reading, Pa. Filed Apr. 30, 1952.

Polly-Betts

The name "Polly Betts" is fanciful.
For Little Girls' Lingerie—Namely, Slips, Panties, Nightgowns, and Pajamas.
Claims use since October 1948.

Ser. No. 629,395. Siegel-Shulman, Inc., Miami Beach, Fla. Original filed, act of 1946, Supplemental Register, May 8, 1952; amended to application, Principal Register, Nov. 28, 1952.

Susan Fleming

The name "Susan Fleming" is fanciful.

For Women's and Misses' Coats, Suits, Dresses, Blouses, Halter, Outer Skirts, Slips, Brassières, Sweaters, Slacks, Pedal Pushers, Jackets, Beach Robes, Bath Robes, Lounging Robes, Outer Belts, Hats, Stockings, Play Shorts, Socks, Swimsuits, Pajamas, Negligees, Nightgowns, Gloves and Shoes of Leather, Fabric, and Combinations Thereof, and Raincoats; and Men's and Boys' Suits, Coats, Outer Shirts, Slacks, Trousers, Sport Shirts, Jackets, Beach Robes, Bath Robes, Lounging Robes, Outer Belts, Hats, Socks, Neckties, Bow Ties, Under-Shirts, Under Shorts, Bathing Trunks, Pajamas, Gloves and Shoes of Leather, Fabric, and Combinations Thereof, and Raincoats.

Claims use since Mar. 15, 1951.

Ser. No. 629,669. Glenader Textile Corp., New York, N. Y. Filed May 14, 1952.

TOP-BANDANA

Apart from the combination "Top-Bandana," the word "Bandana" is disclaimed.
For Scarfs and Kerchiefs.
Claims use since Jan. 7, 1952.

Ser. No. 630,209. Playmore Knits of California, Inc., Los Angeles, Calif. Filed May 24, 1952.

Playmore Knits
OF CALIFORNIA

Applicant disclaims the words "Knits" and "Of California" apart from the mark as shown.

For Boys' and Girls' Knitted Outerwear—Namely, Sweaters, Socks, Skirts, Trousers, Sweater Coats, T Shirts, Shorts, and Any of the Above in Combination.
Claims use since Dec. 6, 1951.

Ser. No. 631,510. Vanity Corset Company, Inc., New York, N. Y. Filed June 20, 1952.

Oval
by Vanity

Applicant claims ownership of Registrations Nos. 116,104, 320,270, and others.

For Corsets, Corselets, Girdles, Bandeaux, Panties, Brassières, and Foundation Garments.
Claims use since Feb. 15, 1951.

Ser. No. 631,511. W. B. Foundations, Incorporated, Newark, N. J. Filed June 20, 1952.

Will o' Waist

No rights to registration of the word "Waist" are claimed apart from the mark as shown.

For Corsettes, Which Consist of a Combination Girdle and Brassière, and Girdles.

Claims use since June 10, 1952.

Ser. No. 631,519. Societe Anonyme Jeanne Lanvin, Paris, France. Filed June 2, 1952.

JEANNE LANVIN

The name shown in the drawing is that of a deceased individual, the founder of applicant's business.

For Women's Dresses, Coats, Skirts, Blouses, Hats, and Scarves.

Claims use since 1903 in France; and since 1910 in commerce between France and the United States.

Ser. No. 631,688. Reliance Manufacturing Company, Chicago, Ill. Filed June 24, 1952.

FROST-FREE

For Dungsrees.
Claims use since June 2, 1952.

Ser. No. 631,720. Chapman & Sons, Shreveport, La. Filed June 25, 1952.

Envy

For Men's, Women's, and Children's Hosiery.
Claims use since Jan. 10, 1949.

Ser. No. 631,917. Blue Bell, Inc., Greensboro, N. C. Filed June 28, 1952.



Applicant claims ownership of Registration No. 613,865. For Western Style Jackets and Jeans.
Claims use since Oct. 19, 1951.

Ser. No. 631,948. Olympic Knitwear, Inc., New York, N. Y. Filed June 28, 1952.

ORLAMA

For Ladies' and Misses' Knitted Outerwear—Namely, Cardigan and Slipover Sweaters, T Shirts, Weskits, and Twin Sweater Sets.

Claims use since Apr. 23, 1951.

667 O. G.—17

Ser. No. 632,096. Olympic Knitwear, Inc., New York, N. Y. Filed July 2, 1952.

Glendarby

For Women's and Misses' Knitted Sweaters.
Claims use since Apr. 24, 1952.

Ser. No. 632,138. Wonderknit Corporation, Lindenhurst, N. Y. Filed July 3, 1952.

Wonderset

Applicant claims ownership of Registrations Nos. 177,239 and 546,897.

For Infants', Young Boys', Young Girls', Men's, and Women's Under and Outer Shirts, Sleeping Shirts and Panta, T-Shirts, Basque Shirts, Polo Shirts, Shirt and Pants Combinations, Cardigans, Coats, and Sweaters.

Claims use since May 20, 1952.

Ser. No. 632,841. Whitesons, Inc., New York, N. Y. Filed July 10, 1952.

Or-Lam

For Ladies' Sweaters.
Claims use since Apr. 17, 1952.

Ser. No. 632,872. Cal-Sun, Inc., Los Angeles, Calif. Filed July 22, 1952.

Cal Sun

For Men's and Boys' Shirts.
Claims use since June 1, 1948.

Ser. No. 633,000. A. Schreter & Sons, Inc., Baltimore, Md. Filed July 24, 1952.

Prince Consort

For Men's Neckties.
Claims use since May 1, 1952.

Ser. No. 633,034. Cavalier Cravat Company, Louisville, Ky. Filed July 25, 1952.

EYEWIN

For Neckties.
Claims use since May 8, 1952.

Ser. No. 633,035. Cavalier Cravat Company, Louisville, Ky. Filed July 25, 1952.

Trimshape

For Neckties.
Claims use since May 8, 1952.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 621,987. Scovill Manufacturing Company, Waterbury, Conn. Filed Dec. 1, 1951.



Puritan

The representation of the Pilgrim girl is fanciful. Applicant claims ownership of Registrations Nos. 147,747, 263,744, and others.

For Bank Pins, Dressmaker Pins, Silk Pins, Open End Thimbles, and Snap Fasteners.

Claims use since January 1892.

Ser. No. 622,032. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 3, 1951.

Ann Barton

The name "Ann Barton" is not the name of any known individual.

For Dresser Sets—Consisting of Comb, Brush, Hand Mirror, Mirror Tray, Nail File, Cuticle Pusher, Atomizer, Cream Jar, Perfume Bottle, Picture Frame.

Claims use since Oct. 15, 1949.

Ser. No. 629,980. World Merchandise Exchange & Trading Co., Inc., New York, N. Y. Filed May 20, 1952.

Rocket

For Hand Sewing Needles.

Claims use since on or about Feb. 4, 1952.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 599,185. Mande Fabrics, Inc., New York, N. Y. Filed June 15, 1950.

El Cabellero

GENUINE
5000

Applicant disclaims the descriptive word "Genuloe" apart from the mark as shown.

For Rayon Piece Goods.

Claims use since Apr. 3, 1950.

Ser. No. 599,284. Texas Textile Mills, Dallas, Tex. Filed June 16, 1950.

**BLACK
KNIGHT**

For Cotton Twill and Denim Fabrics, Weighing Approximately 8 Ounces.

Claims use since Dec. 30, 1938.

Ser. No. 606,200. Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga. Filed Nov. 10, 1950.

Aristocraft

For Cotton Rugs and Carpeting.

Claims use since June 1, 1949.

Ser. No. 612,519. Society Brand Clothes, Inc., Chicago, Ill. Filed Apr. 11, 1951. (Sec. 2f.)

hookloom

Applicant claims ownership of Registration No. 353,954.

For Worsted Fabric in the Piece.

Claims use since Jan. 9, 1936.

Ser. No. 620,630. Strass-Einiger Mills, Inc., New York, N. Y. Filed Oct. 29, 1951.

VICUNAIR

For Textile Fabrics in the Piece Made of Wool.

Claims use since on about Oct. 18, 1951.

Ser. No. 621,953. Dan River Mills, Incorporated, Danville, Va. Filed Dec. 1, 1951.

MOTHER-O-PEARL

For Bed Sheets, Textile Sheeting, Pillow Cases, and Textile Fabrics in the Piece of Cotton and Blends Thereof With Rayon.

Claims use since Oct. 31, 1951.

Ser. No. 621,954. Dan River Mills, Incorporated, Danville, Va. Filed Dec. 1, 1951.

MOTHER-OF-PEARL

For Bed Sheets, Textile Sheeting, Pillow Cases, and Textile Fabrics in the Piece of Cotton and Blends Thereof With Rayon.

Claims use since Oct. 21, 1951.

Ser. No. 623,904. Philadelphia Textile Finishers, Inc., Norristown, Pa. Filed Jan. 22, 1952.

LUSTRATAN

For Textile Fabrics of Cotton.

Claims use since Sept. 10, 1951.

Ser. No. 624,330. Carleton Mills Company, Philadelphia, Pa. Filed Jan. 31, 1952.

"INGENUÉ"

For Textile Fabrics of Wool and Mixtures of Wool, Cotton, and Synthetic Fibers.

Claims use since Jan. 14, 1952.

Ser. No. 625,537. Woonsocket Spinning Company, Inc., Woonsocket, R. I. Filed Feb. 20, 1952.



by Lamoureux

The drawing is lined for the colors red, yellow, and brown. Applicant disclaims the surname "Lamoureux" apart from the mark as shown on the drawing and labels.

For Textile Fabrics Wholly of Wool and in Substantial Part of Wool Combined With Cotton and Synthetic Fibers.

Claims use since Jan. 10, 1952.

Ser. No. 627,907. M. & W. Thomas Co., New York, N. Y. Filed Apr. 10, 1952. (Sec. 2f.)

THOMASCOTTON

Applicant claims ownership of Registrations Nos. 408,987 and 507,776.

For Piece Goods of Cotton.

Claims use since Feb. 8, 1937.

Ser. No. 628,597. Shulman Abrash, Inc., Paterson, N. J. Filed Apr. 10, 1952.

colorcarte

Applicant claims ownership of Registration No. 553,236.

For Curtains for Windows and Doorways, Portieres, Bath Mats, Shower Curtains, Bedspreads, Draperies, All Made of Textile Fabrics.

Claims use since Oct. 6, 1950.

Ser. No. 629,085. Berkshire Fine Spinning Associates, Inc., Adams, Mass., and Providence, R. I. Filed May 2, 1952.

DECORATOR GEMS

The word "Decorator" is disclaimed except in combination with the word "Gems."

For Window Curtains.

Claims use since August 1949.

Ser. No. 629,744. Pacific Mills, New York, N. Y. Filed May 15, 1952. (Sec. 2f.)

CONTOUR

Applicant claims ownership of Registrations Nos. 339,291 and 542,493.

For Bed Sheets.

Claims use since May 3, 1947.

Ser. No. 629,807. Stein-Tex, Inc., New York, N. Y. Filed May 17, 1952. (Sec. 2f.)

Stein-Tex

For Cotton Piece Goods.

Claims use since October 1945.

Ser. No. 630,293. Sidney Blumenthal & Co., Inc., New York, N. Y. Filed Jan. 2, 1952.

Mosstred Silencer

Applicant disclaims the word "Silencer" apart from the mark as shown on the drawing. Applicant claims ownership of Registrations Nos. 290,972 and 509,269.

For Textile Floor Rugs.

Claims use since June 29, 1949.

Ser. No. 630,653. Continental Mills, Inc., Philadelphia, Pa. Filed May 23, 1952.

ANCUNA

Applicant claims ownership of Registrations Nos. 303,374 and 303,525.

For Knitted and Woven Fabrics Made of Wool, Silk, Cotton, Synthetic Fibers, or Any Combination Thereof Sold in the Piece.

Claims use since Jan. 1, 1929.

Ser. No. 630,655. Continental Mills, Inc., Philadelphia, Pa. Filed May 23, 1952.

WELTERWEIGHT

Applicant claims ownership of Registration No. 296,645.

For Knitted and Woven Fabrics Made of Wool, Silk, Cotton, Synthetic Fibers, or Any Combination Thereof Sold in the Piece.

Claims use since Apr. 4, 1931.

Ser. No. 631,338. E. M. Bloomberg & Co., Inc., Chicago, Ill. Filed June 18, 1952.



The word "Blues" is disclaimed apart from the mark shown on the drawing.

For Woolen Piece Goods.

Claims use since Feb. 1, 1952.

Ser. No. 631,372. Pacific Mills, Boston, Mass., and New York, N. Y. Filed June 18, 1952.

PAMIL-PRUF

Applicant disclaims the expression "Pruf" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 90,469, 503,506, and others. For Rayon Piece Goods. Claims use since Apr. 17, 1952.

Ser. No. 631,509. Belrug Mill Inc., Greenville, S. C. Filed June 23, 1952.

Wunda Luxe

Applicant claims ownership of Registration No. 437,645. For Woven Pile Rugs. Claims use since Jan. 3, 1952.

Ser. No. 631,895. Robert R. Scott Corp., New York, N. Y. Filed June 27, 1952.

Excelon

For Textile Fabrics in the Piece Composed of Rayon, Cotton, Lioen, Wool, Nylon, and Combinations Thereof. Claims use since Apr. 2, 1952.

Ser. No. 632,424. The Heatherblooms Corporation, New York, N. Y. Filed July 11, 1952.

A GENUINE
HEATHER BLOOM
FABRIC
SPUN LIKE SILK

Without prejudice and without waiving common law or statutory rights, applicant hereby disclaims the wording "A Genuine Fabric Spun Like Silk," apart from the mark as shown. Applicant claims ownership of Registration No. 140,693.

For Textile Piece Goods of Wool and Synthetic Fibers. Claims use since 1905.

Ser. No. 632,489. The Schwarzenbach-Huber Company, New York, N. Y. Filed July 12, 1952.

PERMA-COLOR

For Fabrics in the Piece Made of Acetate. Claims use since May 1952.

Ser. No. 632,618. Hego Fabrics, Inc., New York, N. Y. Filed July 16, 1952.

DACROLIN

For Textile Fabrics in the Piece of Nylon, Cotton, Rayon, Protein Fibres, and Combinations Thereof. Claims use since Feb. 19, 1951.

Ser. No. 632,736. Maestercraft Weaving Corp., Paterson, N. J. Filed July 18, 1952.

Tegor

For Upholstery Materials Made of Cotton, Rayon, Silk, and Synthetic Fibers, and Mixtures of Such Fibers. Claims use since June 1, 1952.

Ser. No. 632,835. Grandma Moses Properties, Inc., New York, N. Y. Filed July 21, 1952.

A Grandma Moses' Fabric
"DEEP SNOW"



from the original painting "Deep Snow" By Grandma Moses

Applicant does not claim exclusive use of the words "Fabric" and "From the Original Painting." "Grandma Moses" is the name by which the well-known primitive painter, "Anna Mary Robertson Moses," generally is known, and her consent to use and register the mark is of record in this application file. Applicant claims ownership of Registration No. 556,305.

For Fabrics-in-the-Piece, Made of Wool and Synthetic Fibers.

Claims use since Jan. 7, 1952.

Ser. No. 632,968. Washougal Woolen Mills, Washougal, Wash. Filed July 23, 1952. (Sec. 2f.)

BISHOP'S

Applicant claims ownership of Registration No. 430,856. For Virgin Wool Fabrics. Claims use since Mar. 6, 1946.

Ser. No. 633,380. Sellinger Textile Corporation, New York, N. Y. Filed Aug. 1, 1952.

Stylemaker Fabrics

No claim is made to the word "Fabrics." For Piece Goods of Cotton, Wool, Silk, Linen, and Synthetic Fibers and Combinations Thereof. Claims use since June 27, 1952.

Ser. No. 633,771. House Beautiful Curtains, Inc., New York, N. Y. Filed Aug. 12, 1952.

"Frame-Val"

The word "Frame" is disclaimed apart from the mark as shown on the drawing. Applicant claims ownership of Registrations Nos. 542,845 and 533,261.

For Draperies and Window Curtains and Curtain Fabrics in the Piece Made of Cotton, Rayon, Silk, Linen, and Mixtures Thereof.

Claims use since June 1950.

Ser. No. 633,780. Martin Fabrics Corporation, New York, N. Y. Filed Aug. 12, 1952.

Velours d'or

The word "Velours" is disclaimed apart from the mark as shown on the drawing.

For Textile Ribbons Made of Rayon, Silk, Cotton, Synthetic and Like Fibers.

Claims use since November 1950.

Ser. No. 635,122. Crompton Company, Crompton, R. I. Filed Sept. 11, 1952. (Sec. 2f.)

GREAT WALE

For Fabrics in the Piece Composed of Cotton, Wool, Silk, and Synthetic Fibers.

Claims use since Aug. 20, 1947.

Ser. No. 635,900. British Samak Limited, London, England. Filed Sept. 29, 1952.

FERROSCO

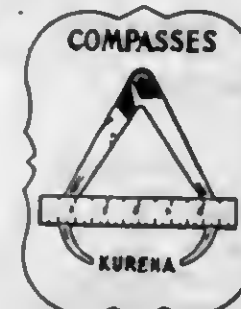
For Woolen Piece Goods.

Claims use since on or about 1925 in Great Britain; and was first used in commerce between the United States and Great Britain on or about 1928.

CLASS 43

THREAD AND YARN

Ser. No. 610,742. Kureha Spinning Co., Ltd., Higashi-Ku, Osaka, Japan. Filed Mar. 2, 1951.



Priority under Sec. 44(d). Japanese application filed on Nov. 24, 1950, Registration No. 413,450, dated July 8, 1952. The word "Kureha" is fanciful. For Cotton Yarn.

Ser. No. 610,750. Kureha Spinning Co., Ltd., Higashi-Ku, Osaka, Japan. Filed Mar. 2, 1951.



Priority under Sec. 44(d). Japanese application filed on Nov. 24, 1950, Registration No. 413,451, dated July 8, 1952. The word "Kureha" is fanciful. For Cotton Yarn.

Ser. No. 624,070. Bernhard Altmann, New York, N. Y. Filed Jan. 25, 1952.

AMERAYON

For Yarns and Threads All Being Made Wholly of Rayon or in Substantial Part of Rayon Combined With Silk, Shoddy, Jute, Hair, Wool, Cashmere, Cotton, and Synthetic Fibers.

Claims use since November 1950.

Ser. No. 630,588. Pauline Denham Yarns, Petaluma, Calif. Filed June 2, 1952.

PAULINE DENHAM

The name "Pauline Denham" is the name of a member of the applicant firm—namely, "Pauline M. Denham" and consent to registration of said name has been obtained. For Knitting Yarn.

Claims use since about Jan. 1, 1934.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL
APPLIANCES

Ser. No. 587,448. Sentinel Knitting Corporation, New York, N. Y. Filed Nov. 7, 1949.

Sentinel

For Man's Supporting Undergarment Used for Therapeutic Purposes: Specifically a Support Consisting of a Wide, Elastic Supporting Belt or Girdle Structure Specially Reinforced for Properly Supporting and Confining the Abdomen and a Crotch Piece Adjustably and Detachably Secured to the Belt or Girdle Structure.

Claims use since Oct. 10, 1949.

Ser. No. 629,188. Dale W. Austin, Hollywood, Calif. Filed May 5, 1952.

Flt. weight

For Corrective Weight Distributing Inserts for Use in Shoes. Claims use since July 23, 1951.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,873. Hoe & Co. (1931) Limited, Stretford, Manchester, Lancashire, England. Original filed, act of 1905, Aug. 5, 1946: amended to application under act of 1946, Principal Register, Jan. 15, 1951. (Sec. 2f as to "Hoe's.")



All wording other than the word "Hoe's" is disclaimed apart from the mark as shown.

For Sauce Made From Fruits, for Use on Fish, Game, Soups, Steaks, and Like Foods.

Claims use since 1929; and first used in commerce between the United Kingdom and foreign nations including the United States in 1929.

Ser. No. 534,020. Tea Garden Products Co., San Francisco, Calif. Filed Sept. 16, 1947. CONCURRENT USE with Registration No. 165,951 for that portion of the United States designated as west of the Mississippi River—namely, the States of California, Oregon, Washington, Idaho, Nevada, Utah, Arizona, New Mexico, Colorado, Wyoming, Montana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Arkansas, Missouri, and Iowa.

Breakfast Bell

For Imitation Maple Flavor Syrup Made From Cane Sugar in Tin and Glass.
Claims use since 1916.

Ser. No. 534,657. Nelson-Ricks Creamery Company, doing business in the name of Banquet Better Foods, Salt Lake City, Utah. Filed Sept. 16, 1947.

BANQUET

For Eggs, Cheese, and Butter.
Claims use since Dec. 1, 1906.

Ser. No. 535,688. Cube Steak Machine Co., Needham Heights, Mass. Filed Sept. 25, 1947. (Sec. 2f.) CERTIFICATION MARK.

TENDERLINED

For Meat—Namely, Beef, Veal, Mutton, Lamb, and Pork Steaks and Cutlets Tenderized by Machine Manufactured and Sold by It.

Claims use since March 1938.

Ser. No. 536,204. Rosenberg Bros. & Co., San Francisco, Calif., assignor to Rosenberg Bros. & Co., Inc., Baltimore, Md., a corporation of Maryland. Filed Sept. 30, 1947. (Sec. 2f.)

FLAVO-FRESH

Applicant claims ownership of Registration No. 400,703. For Dried Fruits.

Claims use since Dec. 10, 1941.

Ser. No. 545,430. Bliss Syrup & Preserving Co., Kansas City, Mo. Filed Dec. 26, 1947.

PICNIC SWEETS

Applicant disclaims the extensive right to use the word "Sweets" apart from the mark as shown.

For Imitation Peach Jam.

Claims use since Nov. 17, 1927.

Ser. No. 551,384. Fredric H. Johnson, doing business as Spice Islands Company, San Francisco, Calif., assignor to Spice Islands Company, San Francisco, Calif., a corporation of California. Filed Mar. 6, 1948. (Sec. 2f.)

SPICE ISLANDS

Applicant claims ownership of Registrations Nos. 395,020 and 408,683.

For Red Wine Vinegar, Red Wine Vinegar Flavored With Tarragon, Red Wine Vinegar Flavored With Garlic, Red Wine Vinegar Flavored With Eschalot, White Wine Vinegar Flavored With Sweet Basil, Bay Leaves, Marjoram, Sweet Basil, Chervil, Oregano, Parsley, Peppermint, Rosemary, Sage, Spearmint, Summer Savory, Tarragon, Thyme, Allspice, Cardamom, Cinnamon, Cloves, Chili Powder, Curry Powder, Ginger, Mace, Mayonnaise Mustard, Nutmeg, Paprika, Red Pepper, Black Pepper, White Pepper, Mixed Pickling Spices, Seasoning Salt, Garlic Salt, Onion Salt, Smoke Flavored Salt, Garlic Powder, Onion Powder, Pumpkin Pie Spice, Sweet Bell Peppers, Chili Peppers, Anise Seed, Caraway Seed, Celery Seed, Coriander, Cumin Seed, Sesame Seed, Poppy Seed, Fennel Seed, Dill Seed, Saffron Powder, Vanilla Beans, Toasted Coconut Chips, Shredded Coconut, Dried Mushrooms, Cheese, Coffee, Seasoning Herbs, Poultry Seasoning, Artificial Vegetable Protein Derivative for Flavoring Foods, Salad Herbs Composed of Lemon, Thyme, and Basil.
Claims use since Mar. 17, 1941.

Ser. No. 553,201. Henri Lacroix, Glimont, France. Filed Mar. 27, 1948.

Ser. No. 602,047. Medomak Canning Company, Rockland, Maine. Filed Aug. 10, 1950. (Sec. 2f.)



The name "Comtesse du Barry" and the portrait shown are of the celebrated Countess du Barry, deceased in 1793. Applicant claims ownership of French Registration No. 414, dated Jan. 24, 1947.

For Paté de Foie Gras, Canned Truffles, Minced Canned Goose, and Paté de Canard (Duck Paste).

Ser. No. 554,978. Hemet Packing Company, Hemet, Calif. Filed Apr. 19, 1948.

MISSION INN

For Canned Fruits, Canned Vegetables, and Canned Olives.

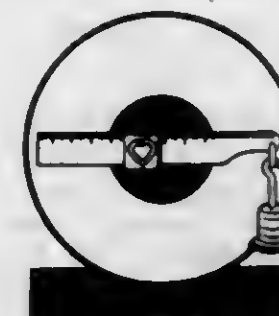
Claims use since 1910.

Ser. No. 577,977. Paramount Canning Company, Haines City, Fla. Filed Apr. 29, 1949.

Pic-me-up

For Canned Citrus Fruit Juice.
Claims use since Nov. 1, 1947.

Ser. No. 593,447. Joe Schafer & Sons, Springfield, Ill. Filed Mar. 4, 1950.



For Chicken Feeds and Livestock Feeds, a Blend of Vegetable and Animal Proteins, Grains and Grain By-Products, Vitamins and Minerals With and Without Molasses as the Specific Feeds Require.

Claims use since Mar. 15, 1929.

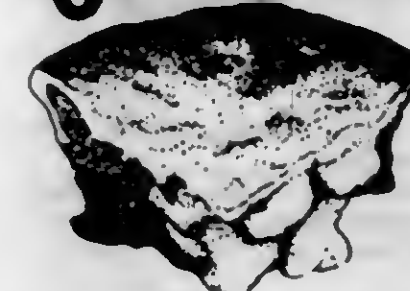
Ser. No. 601,180. L. S. Williams, Centerville, Calif. Filed July 24, 1950. (Sec. 2f.)

Castlewood

Applicant claims ownership of Registration No. 263,161. For Fresh Vegetables.

Claims use since May 1, 1928.

One Pie



Applicant claims ownership of Registrations Nos. 318,507 and 368,213.

For Canned Apples.

Claims use since 1939.

Ser. No. 603,277. Armour and Company, Chicago, Ill. Filed Sept. 8, 1950.

STEAKES

For Frozen Beef Steaks.

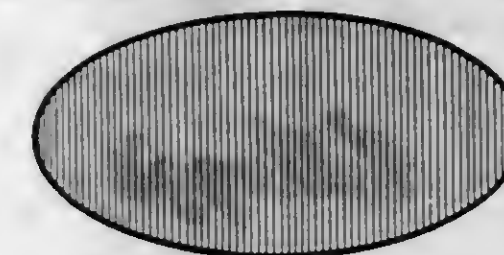
Claims use since Aug. 3, 1950.

Ser. No. 603,787. Raymond B. Hawse, West Palm Beach, Fla. Filed Sept. 20, 1950.

FRAT HOUSE

For Foods—Namely, Fresh and Processed Meats, Vegetables, and Fruits, and Prepared Meals Consisting of These Component Parts, Consisting of Fresh Peaches, Fresh Bananas, Fresh Tomatoes, Fresh Oranges, Fresh Grapefruit, Orange Juice; Cooked Corn, Potatoes, Peas, Beans, Squash, Cabbage, and Cauliflower; Roast Pork, Roast Beef, Baked Ham, Fried Sausage, Fried Bacon, Fried Chicken, Roast Turkey, Boiled Shrimp, Fried Shrimp, Barbequed Spare Ribs, and Roast Lamb; Baked Pies and Cakes.
Claims use since on or about Feb. 15, 1936.

Ser. No. 604,596. Purity Bakeries Corporation, Chicago, Ill. Filed Oct. 7, 1950.



The oval is filed for red. Applicant claims ownership of Registration No. 190,531.

For Bread.

Claims use since January 1911.

Ser. No. 608,483. The White Turkey—Murray Hill, New York, N. Y. Filed Jan. 6, 1951.



Applicant claims ownership of Registrations Nos. 525,147 and 534,568.

For Canned Soup, Not Including Turkey Soup, and Preserved Watermelon Rind.

Claims use since July 1, 1905.

Ser. No. 609,292. Foodville Inc., Flushing, N. Y., assignor to Daltch Crystal Dairies, Inc., Bronx, N. Y. Filed Jan. 26, 1951.

FOOD VILLE

The descriptive word "Food" is disclaimed.
For Cheese.

Claims use since Oct. 2, 1950.

Ser. No. 611,120. H. C. Brill Company, Inc., Newark, N. J. Filed Mar. 5, 1951.



The representation of the man is fanciful.
For Food Products—Namely, Spaghetti Sauce With Meat and With Mushrooms, Spanish Rice, and Macaroni Dinner.
Claims use since Jan. 25, 1951.

Ser. No. 612,457. Kellogg Company, Battle Creek, Mich. Filed Apr. 10, 1951. (Sec. 2f.)

Kellogg's

Applicant claims ownership of Registrations Nos. 105,213, 115,348, and others.

For Macaroni and Spaghetti.

Claims use since May 1, 1907 on the mark; and since Jan. 29, 1951 on macaroni and spaghetti.

Ser. No. 616,601. Robert A. Johnston Company, Milwaukee, Wis. Filed July 17, 1951. (Sec. 2f.)

Johnston

Applicant claims ownership of Registrations Nos. 427,598, 323,253, and 201,074.

For Biscuits, Candies, Chocolates, Ice Cream Flavoring Syrups and Syrup Toppings, Chocolate Liqueur, Chocolate Dairy Drink Powder, Chocolate Ice Cream Powder, Cocoa and Instant Cocoa Powder.

Claims use since Sept. 1, 1936.

Ser. No. 616,952. Fireside Marshmallow Company, Chicago, Ill. Filed July 26, 1951.

LITTLE RED SCHOOL HOUSE



Applicant desires to disclaim all the wording from the drawing with the exception of "Little Red School House." For Marshmallows.

Claims use since Oct. 30, 1950.

Ser. No. 619,168. Walter Richman, Brooklyn, N. Y. Filed Sept. 24, 1951.

Lili-Rich

The word "Rich" is disclaimed apart from the mark as shown.

For Bottled Marinated Herring Fillets.

Claims use since June 11, 1951.

Ser. No. 619,470. National Variety Sales, Inc., Milwaukee, Wis., assignor to Sopurdisplay, Incorporated, Milwaukee, Wis., a corporation of Wisconsin. Filed Oct. 1, 1951.
CERTIFICATION MARK.



The words "100% Pure Butter Added to the Finest Popcorn" are specifically disclaimed apart from their use with the mark as shown.

For Buttered Popcorn.

Claims use since Sept. 18, 1951.

Ser. No. 619,760. King Kone Corporation, New York, N. Y. Filed Oct. 9, 1951.

CARA-SEL

For Caramel Flavored Popcorn.
Claims use since Sept. 21, 1951.

Ser. No. 620,924. May-Zur-Mark Co., Springfield, Ill. Filed Nov. 6, 1951.

May-Zur-Mark

Applicant disclaims the descriptive word "Mark" except as used in connection with this trademark.

For Butter and Oleomargarine.

Claims use since Sept. 15, 1951.

Ser. No. 624,656. Omstead Fisheries Limited, Wheatley, Ontario, Canada. Filed Feb. 7, 1952. (Sec. 2f as to "Wheatley.")



No registration rights in "Brand" are claimed except as part of the mark shown. The lining on the drawing is part of the mark and is not representative of color.

For Fresh and Frozen Fish.

Claims use since May 31, 1946; and use in commerce between foreign nations and the United States since May 31, 1946.

Ser. No. 624,674. Jack Bond, Seattle, Wash., assignor to Portion Pack, Inc., Seattle, Wash., a corporation of Washington. Filed Feb. 8, 1952.

OODLES

For Ice Cream, Ice Cream Sundaes, and Ice Cream Cones.
Claims use since Nov. 15, 1951.

Ser. No. 624,676. Jack Bond, Seattle, Wash., assignor to Portion Pack, Inc., Seattle, Wash., a corporation of Washington. Filed Feb. 8, 1952.

Walk A Long

For Ice Cream, Ice Cream Sundaes, and Ice Cream Cones.

Claims use since Feb. 15, 1951.

667 O. G.—18

Ser. No. 626,608. Coble Dairy Products, Inc., Lexington, N. C. Filed Mar. 18, 1952.

MOOBAR

For Confection—Namely, a Frozen, Chocolate-Covered Ice Milk Bar.

Claims use since Feb. 8, 1952.

Ser. No. 626,601. Delsoy Distributors, Dearborn, Mich. Filed Mar. 19, 1952.

DEL SOY

Applicant claims ownership of Registrations Nos. 552,993 and 418,574.

For Food Product Packed Under Pressure So That It Is Automatically Whipped as It Is Ejected From the Container, Said Product Used in the Decoration and Adding to the Taste of Cakes, Pastry, Sundaes, Desserts, and the Like.

Claims use since June 29, 1945.

Ser. No. 626,602. Delsoy Distributors, Dearborn, Mich. Filed Mar. 19, 1952.

PRESTO WHIP

No claim is made for the word "Whip" apart from the mark. Applicant claims ownership of Registration No. 552,993.

For Food Product Packed Under Pressure So That It Is Automatically Whipped as It Is Ejected From the Container, Said Product Used in the Decoration and Adding to the Taste of Cakes, Pastry, Sundaes, Desserts, and the Like.

Claims use since May 3, 1949.

Ser. No. 629,819. Schroeder Bros., Inc., New York, N. Y. Filed May 16, 1952.

\$ D

For Dates.
Claims use since Jan. 1, 1936.

Ser. No. 630,301. American Chewing Products Corp., Newark, N. J. Filed May 27, 1952.

CLORACTIV

For Chewing Gum.
Claims use since May 2, 1952.

Ser. No. 630,389. Clinton Foods, Inc., Clinton, Iowa. Filed May 28, 1952.

Si-Lass
FOR BETTER SILAGE

No exclusive claim is made to the words "For Better Silage" apart from the mark as shown in the drawing. For Preservative for Silage for Livestock Composed of Crude Corn Sugar, Corn Gluten Feed, Corn Solubles, and Diammonium Phosphate.
Claims use since Apr. 4, 1952.

Ser. No. 632,330. Schrelber Mills, Inc., St. Joseph, Mo. Filed July 9, 1952.

NURSE LASSY

Applicant claims ownership of Registrations Nos. 235,240, 431,236, and others. For Feed for Livestock and Poultry.
Claims use since Apr. 21, 1951.

Ser. No. 633,034. Gerber Products Company, Fremont, Mich. Filed July 25, 1952. (Sec. 2f.)

Gerber's

Applicant claims ownership of Registrations Nos. 369,865, 405,310, and others. For Cereals—Namely, Rice Cereal, Barley Cereal, Oatmeal, and a Cereal Mixture Containing Semolina, Whole Wheat Flour, Wheat Germ, and Other Ingredients.
Claims use since Oct. 12, 1928.

Ser. No. 633,740. Sea View Farms, Ltd., Honolulu, Territory of Hawaii. Filed Aug. 11, 1952.

Hawaiian Sea Brand

The words "Hawaiian" and "Brand" are disclaimed apart from the mark as shown. For Fresh Pineapples and Papayas.
Claims use since May 10, 1952.

Ser. No. 633,746. Robert C. Wlan Enterprises, Inc., Glendale, Calif. Filed Aug. 11, 1952.

**BIG
BOY**

Applicant claims ownership of Registration No. 561,430. For Hamburger Sandwiches.
Claims use since 1938.

Ser. No. 634,910. Jack A. Powers, Westlake, La. Filed Sept. 3, 1952.

G. F. P. SYRUP

The word "Syrup" is disclaimed. For Table Syrup.
Claims use since during June 1926.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 629,977. United Distillers (of America) Ltd., Baltimore, Md. Filed May 20, 1952.

**LUCKY
CLOVER**

For Whiskey.
Claims use since May 6, 1952.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 602,737. American Felt Company, Glenville, Conn. Filed Aug. 25, 1950. (Sec. 2f.)

Windsor Felt



The word "Felt" is disclaimed. For Semi-Felted Fabric Including Among Other Fibers, Fibers of Thermoplastic Material Sold in the Piece for Various Uses—Namely, Fly Swatter Bindings and Pen-nants.
Claims use since January 1938.

Ser. No. 630,270. The Malls Co., Baltimore, Md. Filed May 20, 1952.

Tole Craft

For Kits Containing Artist's Oil Colors, Artist's Brush, the Article To Be Ornamented Such as Trays, Baskets, Etc., and Directions for Ornamenting the Article, Sold as a Unit.
Claims use since May 19, 1952.

Ser. No. 631,934. George O. Jenkins Company, Bridgewater, Mass. Filed June 28, 1952.

NATURO

Applicant claims ownership of Registration No. 292,677. For Sheet Fibreboard for Use in Making Midsoles for Shoes, and Leatherboard for Use in Making Built Up Heels for Shoes.
Claims use since Oct. 26, 1931.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 581,178. Congress Chemical Co. Inc., New York, N. Y. Filed June 28, 1949.



The drawing is lined to indicate the color brown. For Tooth Powder.
Claims use since Feb. 15, 1949.

Ser. No. 628,409. Lever Brothers Company, New York, N. Y. Filed Apr. 21, 1952.

**NIGHT
LETTER**

For Eau de Cologne.
Claims use since Feb. 29, 1952.

Ser. No. 628,688. The Gillette Company, doing business under the name and style of The Toni Company, Boston, Mass. Filed Apr. 25, 1952.

JAN RANDALL

The mark is not known to be the name of any individual, living or dead. For Crème Hair Rinse.
Claims use since Dec. 10, 1951.

Ser. No. 628,880. Max Sidelman, trading as Maxon Distributors, New York, N. Y. Filed Apr. 29, 1952.

Cubatan

For Sun Tan Lotion.
Claims use since Apr. 14, 1952.

Ser. No. 633,602. Barbara Gould, Inc., New York, N. Y. Filed Aug. 8, 1952.

BG

Applicant claims ownership of Registration No. 292,296. For Toilet Creams, Masque Preparations, Toilet Powders, Rouge, Eye Make-Up Preparations, Toilet Lotions, Skin Oils, and Deodorants.
Claims use since July 1950.

Ser. No. 633,647. Bourjois, Inc., New York, N. Y. Filed Aug. 9, 1952.

Evening in Paris

No claim is made to the exclusive right to the use of the word "Paris" apart from the mark shown. Applicant claims ownership of Registrations Nos. 255,826 and 412,982.

For Perfume, Eau de Cologne, Toilet Water, Cologne Stick, Deodorant Stick, Toilet Cream, Toilet Lotion, Face Powder, Talcum Powder, Compact Powder, Sachet, Bath Powder, Bubbling Bath Essence, Bath Crystals, Rouge, Lipstick, Nail Polish, and Nail Polish Remover.
Claims use since Oct. 6, 1928.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 567,430. The Procter & Gamble Company, Cincinnati, Ohio. Filed Oct. 21, 1948. (Sec. 2f.)

DUZ does MORE

Applicant claims ownership of Registrations Nos. 135,159 and 408,865. For Sudsing Cleaner, Cleanser, and Detergent.
Claims use since April 1946.

Ser. No. 617,445. The Joyner Corporation, Bourbon, Ind. Filed Aug. 8, 1951.

de-bugger



For Liquid Cleaner for Windows, Mirrors, Automobile Windshields, and Other Metal Automotive Parts.
Claims use since May 16, 1951.

Ser. No. 626,346. The Sell Company, Inc., Atlanta, Ga. Filed Mar. 12, 1952. (Sec. 2f.)

LIQUIDIZER

For Soap.
Claims use since May 7, 1932.

Ser. No. 627,883. John B. Hyde, Marshall, Tex. Filed Apr. 10, 1952.



The word "Hyde" is disclaimed apart from the mark as shown.

For Solvents Used in Dry Cleaning.
Claims use since on or about Mar. 1, 1951.

Ser. No. 629,038. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Filed May 1, 1952.



The drawing is lined for red.
For Detergent Preparation—Namely, a Detergent and Disinfectant for General Hospital Use.
Claims use since Feb. 14, 1952.

Ser. No. 629,378. Charles C. Meuniot, doing business as Menyo Mining & Mfg. Co., China Lake, Calif. Filed May 8, 1952.



For Cleaner for White Sidewall Tires, in Paste Form.
Claims use since Feb. 23, 1952.

Ser. No. 629,796. Griffin Manufacturing Co. Inc., Brooklyn, N. Y. Filed May 16, 1952.



Applicant claims ownership of Registrations Nos. 135,250, 190,017, and 505,080.

For Preparations in Cream, Liquid, Paste, and Wax Form, for Cleaning Shoes, Boots, Leather, and Leather Articles.

Claims use since on or about Apr. 4, 1904.

Ser. No. 632,283. American Hospital Supply Corporation, Evanston, Ill. Filed July 9, 1952.

DYNAKLEN

For Detergent for Removing Dried Blood, Mucus, Body Soil, Dirt, Chemicals, and Contamination in Filters, Needles, Glassware, Microscopes, Slides, and Surgical and Laboratory Equipment.

Claims use since Jan. 4, 1952.

Ser. No. 634,357. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Aug. 22, 1952.

SPEEDAC

For Commercial Laundry Washing Compound.
Claims use since July 28, 1950.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 623,715. Koppers Company, Inc., Pittsburgh, Pa. Filed Jan. 17, 1952. (Sec. 2f as to "Koppers.")



For Economic and Market Research or Surveys in Connection With Industrial Problems or Proposed Industrial Plants or Processes in the Field of the Manufacture, Fabrication, or Treatment of Metals, Bituminous Materials, Gas, or Chemicals and Operating or Managing for Others Existing Plants in Said Field.

Claims use since 1948 as shown; and since 1919 as to the word "Koppers."

Ser. No. 632,994. A. C. Nielsen Company, Chicago, Ill. Filed July 24, 1952.



For Marketing Research—Namely, Marketing Research With Reference to Sales of Consumer Goods.
Claims use since June 20, 1952.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 620,441. Earl F. Spradling, St. Louis, Mo. Filed Oct. 24, 1951.

AK-U-RATE



Applicant makes no claim to the word "Ak-U-Rate" apart from the mark shown.

For Real Estate Monetary Appraisal Service.
Claims use since Oct. 1, 1951.

TRADE-MARK REGISTRATIONS GRANTED ACT OF 1946, PRINCIPAL REGISTER

- 570,058. Wines. Bettino Ricasoli Firdolfi, doing business as Casa Vinicola Barone Ricasoli, Firenze, Italy. Original filed, act of 1905, Dec. 16, 1946; amended to application under act of 1946, Principal Register, Feb. 27, 1952, Serial No. 514,324. Published Nov. 4, 1952. Class 47.
- 570,059. Hydraulic Riveters, Punches and Crimpers, Pneumatic Arbor Presses, Etc. Hannifin Corporation, Chicago, Ill. Filed Sept. 4, 1947, Serial No. 533,305. Published Aug. 19, 1952. Class 23.
- 570,060. Whiskey, Gin, Rum, Brandy, Alcoholic Cordials. General Distillers Corporation of Kentucky, Louisville, Ky. Filed Sept. 26, 1947, Serial No. 535,841. Published Nov. 18, 1952. Class 49.
- 570,061. Coffee. Southland Coffee Company, Atlanta, Ga. Filed Sept. 29, 1947, Serial No. 536,170. Published Nov. 11, 1952. Class 46.
- 570,062. Parts of Display and Storage Racks—Namely, Separator Pegs, Etc. Lyon Metal Products, Incorporated, Aurora, Ill. Filed Oct. 8, 1947, Serial No. 537,207. Published Nov. 18, 1952. Class 13.
- 570,063. Automobile Floor Mats. The Paine & Williams Company, Cleveland, Ohio. Filed Oct. 8, 1947, Serial No. 537,230. Published Sept. 30, 1952. Class 19.
- 570,064. Pressure Regulating Valves Designed Specifically for Water Pumps. Shasta Pump Company, Oakland, Calif., assignor to Barnes-Shasta Pump Co., a corporation of California. Filed Oct. 20, 1947, Serial No. 538,459. Published Nov. 4, 1952. Class 13.
- 570,065. Metal Containers for Holding and Storing Small Articles or Parts. Stackbin Corporation, Pawtucket, R. I. Filed Nov. 14, 1947, Serial No. 541,214. Published July 15, 1952. Class 2.
- 570,066. Container for and Volatile Mothproofing Chemical in Solid Form Sold Together in Trade as a Unit. Irwin-Willert Company, East St. Louis, Ill., assignor to Irwin-Willert Company, East St. Louis, Ill., a corporation of Illinois. Filed Dec. 19, 1947, Serial No. 544,871. Published Oct. 14, 1952. Class 6.
- 570,067. Saxophones, Horns, Cornets, Trumpets, Trombones, Mellophones, French Horns, Allos, Baritone, Basses, and Parts Thereof and Cases Therefor. The Martin Band Instrument Company, Elkhart, Ind. Filed Jan. 3, 1948, Serial No. 546,115. Published Nov. 18, 1952. Class 36.
- 570,068. Preparations for Polishing Shoes and Leathers, Etc. Whittemore Bros. Corp., Cambridge, Mass. Filed Jan. 3, 1948, Serial No. 546,141. Published Oct. 28, 1952. Class 4.
- 570,069. Enamels. The Bishop-Conklin Company, Los Angeles, Calif. Filed Mar. 4, 1948, Serial No. 551,161. CONCURRENT USE. Published Nov. 11, 1952. Class 16.
- 570,070. Baby Chicks. Ralston Purina Company, St. Louis, Mo. Filed Mar. 22, 1948, Serial No. 552,704. Published Nov. 4, 1952. Class 1.
- 570,071. Tote Boxes for Handling and Storing Small Parts. All-Steel Equipment Inc., Aurora, Ill. Filed Apr. 9, 1948, Serial No. 554,190. Published July 15, 1952. Class 2.
- 570,072. Roller Mounted Carrier Boxes Made of Canvas or Canvas Fabrics Mounted on Rollers. C. R. Daniels, Inc., Baltimore, Md. Filed May 20, 1948, Serial No. 557,437. Published Oct. 21, 1952. Class 19.
- 570,073. Electromagnets, Relays, Solenoids, and Switches, Which Are Generally Referred to in the Trade as Unitary Electrical Components, Adapted for Various Uses in Industry. Guardian Electric Manufacturing Co., Chicago, Ill. Filed June 14, 1948, Serial No. 559,152. Published Oct. 28, 1952. Class 21.
- 570,074. Pharmaceutical Preparation for Odontalgic Use. A. Gazzoni & C., Bologna, Italy. Filed June 23, 1948, Serial No. 560,014. Published Nov. 4, 1952. Class 18.
- 570,075. Electrical Apparatus—Namely, Plugs and Receptacles, Knife Switches, Circuit Breakers, Line Material, Etc. Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Filed Aug. 3, 1948, Serial No. 562,682. Published Oct. 28, 1952. Class 21.
- 570,076. Electrical Apparatus—Namely, Plugs and Receptacles, Etc. Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Filed Aug. 3, 1948, Serial No. 562,683. Published Oct. 28, 1952. Class 21.
- 570,077. Printed Advertising Material—Namely, Blotters, Wall Calendars, Leaflets, Billboard Posters, Etc. J. Blau van Urk, New York, N. Y. Filed Aug. 7, 1948, Serial No. 563,034. Published Nov. 18, 1952. Class 38.
- 570,078. Wind Instruments—Namely, Clarinets, Flutes, Oboes, English Horns, Bassoons, Piccolos, Saxophones, and Fifes and Parts Thereof. Leon Leblanc, Paris, France, assignor to G. Le Blanc Company, Kenosha, Wis., a partnership composed of Leon Le Blanc and Vito Pascucci. Filed Oct. 7, 1948, Serial No. 566,843. Published Nov. 25, 1952. Class 36.
- 570,079. Wind Instruments—Namely, Clarinets, Flutes, Oboes, English Horns, Bassoons, Piccolos, Saxophones, and Fifes and Parts Thereof. Leon Leblanc, Paris, France, assignor to G. Le Blanc Company, Kenosha, Wis., a partnership composed of Leon Le Blanc and Vito Pascucci. Filed Oct. 7, 1948, Serial No. 566,844. Published Nov. 25, 1952. Class 36.
- 570,080. Interior Texture Paint. Kent Williamson, doing business as "Smith Paint Products," Harrisburg, Pa. Filed Oct. 20, 1948, Serial No. 567,832. Published Nov. 4, 1952. Class 16.
- 570,081. Perfume, Toilet Water, Eau de Cologne, Face Powder, Rouge. Maurice Blanchet Parfums de Luxe Société Anonyme, Suresnes, France. Filed Dec. 1, 1948, Serial No. 569,720. Published Oct. 14, 1952. Class 51.
- 570,082. Calcined Gypsum Plaster. United States Gypsum Company, Chicago, Ill. Filed Dec. 6, 1948, Serial No. 570,071. Published Nov. 18, 1952. Class 12.

- 570,083. Vehicle Braking Systems and Accessories Therefor—Namely, Valves, Reservoirs, Tanks, Conduits, Fittings, and Power Chambers. Bendix Aviation Corporation, South Bend, Ind.
Filed Dec. 7, 1948, Serial No. 570,087. Published Oct. 21, 1952. Class 19.
- 570,084. Medicament for the Treatment of Feet. Edward G. Oelke, West Bend, Wis.
Filed Dec. 13, 1948, Serial No. 570,430. Published Nov. 4, 1952. Class 18.
- 570,085. Parts of Display and Storage Racks—Namely, Separator Pugs; Etc. Lyon Metal Products, Incorporated, Aurora, Ill.
Filed Dec. 22, 1948, Serial No. 570,972. Published Nov. 4, 1952. Class 13.
- 570,086. Frozen and Fresh Dressed Poultry. James H. Knowles, Centralia, Wash.
Filed Jan. 15, 1949, Serial No. 572,810. Published Nov. 11, 1952. Class 46.
- 570,087. Device for Maintaining a Seal Between a Rotatable Member and Its Bearing by Means of a Power Operated Liquid Impeller. Monogram Manufacturing Co., Los Angeles and West Los Angeles, Calif., assignor to Houston-Fearless Corporation, Los Angeles, Calif., a corporation of California.
Filed Feb. 19, 1949, Serial No. 574,154. Published Oct. 28, 1952. Class 23.
- 570,088. Electric Fuses, Fuse Holders, Fuse Wire, and Protectors for Electric Circuits That Include Fuse Links and Thermal Cut-Outs and That Respond to Heavy Overloads or Short Circuits To Open the Circuit. The McGraw Electric Company, Elgin, Ill., doing business as Bussmann Manufacturing Company, St. Louis, Mo.
Filed Feb. 24, 1949, Serial No. 574,445. Published Oct. 28, 1952. Class 21.
- 570,089. Crude Plastic Materials in the Nature of Petroleum Hydrocarbon Polymers in Liquid Form for General Use in the Industrial Arts. Esso Standard Oil Company, Wilmington, Del., and New York, N. Y.
Filed Apr. 27, 1949, Serial No. 577,781. Published Nov. 11, 1952. Class 6.
- 570,090. Grooved Phonograph Records. Decca Records, Inc., New York, N. Y.
Filed May 26, 1949, Serial No. 579,533. Published Nov. 18, 1952. Class 36.
- 570,091. Non-Alcoholic, Maltless Soft Drinks and Syrups for Making Same. Reymier & Brothers, Incorporated, Pittsburgh, Pa.
Filed June 11, 1949, Serial No. 580,322. Published Nov. 4, 1952. Class 45.
- 570,092. Artificial Fish Bait. Charles L. Simmons, Kansas City, Kans.
Filed June 20, 1949, Serial No. 580,797. Published Nov. 25, 1952. Class 22.
- 570,093. Telephone Apparatus of the Modulated Carrier Wave Type. Farmers Engineering & Manufacturing Co., Pittsburgh, Pa.
Filed July 13, 1949, Serial No. 581,871. Published Oct. 28, 1952. Class 21.
- 570,094. Dispensing Closure for a Beverage Bottle. The Model Patent Manufacturing Company, Denver, Colo.
Filed Sept. 3, 1949, Serial No. 584,465. Published Nov. 4, 1952. Class 13.
- 570,095. Plasticized and Unplasticized Vinyl Type Plastic Formed Into Sheets, Film, Foil, Rods, Tubes, Filaments, and Small Transverse Sections Into Which Said Rods and Tubes Have Been Divided. Nixon Nitration Works, Nixon, N. J.
Filed Sept. 9, 1949, Serial No. 584,834. Published Oct. 28, 1952. Class 1.
- 570,096. Fresh Fruits and Vegetables. Crews Fruit Company, Denver, Colo.
Filed Sept. 28, 1949, Serial No. 585,433. Published Nov. 18, 1952. Class 46.
- 570,097. Fresh Fruits and Vegetables. Crews Fruit Company, Denver, Colo.
Filed Sept. 28, 1949, Serial No. 585,434. Published Nov. 18, 1952. Class 46.
- 570,098. Television Receiving Sets. Louis A. Lasoff, New York, N. Y., assignor to Videola Corporation, New York, N. Y., a corporation of New York.
Filed Oct. 1, 1949, Serial No. 585,851. Published Nov. 4, 1952. Class 21.
- 570,099. Insurance Vending Machines. Goal Insurance Machines, Incorporated, Houston, Tex., assignor to Insurograph, Inc., Birmingham, Ala., a corporation of Delaware.
Filed Oct. 20, 1949, Serial No. 586,507. Published Aug. 19, 1952. Class 23.
- 570,100. Shelf Adapted To Be Installed Above the Windshield in the Interior of a Vehicle. Wilkinson-Gresh, Inc., St. Petersburg, Fla.
Filed Oct. 20, 1949, Serial No. 586,609. Published Oct. 14, 1952. Class 19.
- 570,101. Automobiles, Trucks, Structural Parts and Accessories—Namely, Rear View Mirrors, Floor Board Carpets, Seat Cushions, Seat Covers, Front and Side Visors, and Hub Caps. Lone Star Olds Cadillac Co., Dallas, Tex.
Filed Oct. 27, 1949, Serial No. 586,927. Published Sept. 30, 1952. Class 19.
- 570,102. Pen Points for Fountain Pens. Radiant Pen Corp., New York, N. Y.
Filed Dec. 3, 1949, Serial No. 588,769. Published Nov. 4, 1952. Class 37.
- 570,103. Cutter Heads and Milling Cutter Knives. Samuel J. Shimer & Sons, Inc., Milton, Pa.
Filed Dec. 9, 1949, Serial No. 589,117. Published Oct. 28, 1952. Class 23.
- 570,104. Electric Toasters, Electric Waffle Irons, Electric Portable Glow Heaters, Electric Fans, Electric Vibrators for General Use, Electric Flat Irons, Electric Curling Irons, Electric Heating Pads for General Use, and Electric Grill Stoves. Knapp-Monarch Company, St. Louis, Mo.
Filed Nov. 28, 1949, Serial No. 589,937. Published Nov. 11, 1952. Class 21.
- 570,105. Fire Fighting Equipment, Comprising an Automotive Vehicle Having Mounted Thereon a Water Storage Tank, Etc. W. Lewis Armstrong, Old Forge, N. Y.
Filed Dec. 30, 1949, Serial No. 590,131. Published Oct. 21, 1952. Class 23.
- 570,106. Insecticide. S. P. F. Wood-Preserving Co., Inc., Cambridge, Mass.
Filed Jan. 25, 1950, Serial No. 591,440. Published Nov. 27, 1951. Class 6.
- 570,107. Safety Device for Automobiles Consisting of Cut-Outs of Reflective Glass and Plastic Sheeting, Adapted To Be Applied to Automobile Wheel Rims. Robert S. Coombs, doing business as Coombs Luma-Rim Company, San Francisco, Calif., assignor to Luma-Rim Corporation, Oakland, Calif., a corporation of California.
Filed Jan. 30, 1950, Serial No. 591,668. Published Sept. 30, 1952. Class 19.
- 570,108. Foundation Garments, Corsets, Girdles, Brasieres, and Underwear for Women. Youtcraft Creations, Inc., New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,826. Published June 5, 1951. Class 39.
- 570,109. Surfacing Materials—Namely, Mineral Surfaced Asphalt Roll Roofings, Mineral Surfaced Asphalt Shingles, Insulating Siding Shingles, Asbestos Cement Roofing and Siding, and Insulating Roofing Materials. Globe Roofing Products Co., Inc., Whiting, Ind.
Filed Feb. 2, 1950, Serial No. 591,847. Published Oct. 9, 1951. Class 12.

- 570,110. Automobile Seat Covers. Easco Manufacturing Co., Inc., Irvington, N. J.
Filed Jan. 31, 1950, Serial No. 591,884. Published Sept. 23, 1952. Class 19.
- 570,111. Emery Cord and Tape, Crocus Abrasive Cord, and Oiled Abrasive Cord. John A. Eberly, Inc., Mohnton, Pa.
Filed Feb. 3, 1950, Serial No. 591,918. Published Nov. 11, 1952. Class 4.
- 570,112. Wines. California Cellars, doing business as Napa & Sonoma Wine Co., San Francisco and Sonoma, Calif.
Filed Feb. 7, 1950, Serial No. 592,071. Published Nov. 11, 1952. Class 47.
- 570,113. Luteotropic Hormone Preparation. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia.
Filed Feb. 10, 1950, Serial No. 592,287. Published Nov. 25, 1952. Class 18.
- 570,114. Portable Hand Manipulable Electric Power Operated Tools Consisting of Sanding Machines, Saws, Routers, Planes, Shapers, and Cutters for Such Tools. The Porter-Cable Machine Company, Syracuse, N. Y.
Filed Feb. 15, 1950, Serial No. 592,516. Published June 24, 1952. Class 21.
- 570,115. Shingle Design Siding Panels, Comprising Fiber Board Base Panels Having an Adhered Surfacing of Granular Material in Which Surfacing There is Impressed a Shingle Simulating Pattern. The Celotex Corporation, Chicago, Ill.
Filed Feb. 16, 1950, Serial No. 592,544. Published Nov. 18, 1952. Class 12.
- 570,116. Stabilizing Agent—Namely, Brominated Olive Oil, Used in the Preparation of Non-Alcoholic Maltless Soft Drinks. Abbott Laboratories, North Chicago, Ill.
Filed Feb. 23, 1950, Serial No. 592,856. Published Oct. 28, 1952. Class 45.
- 570,117. Railway Freight Cars, Refrigerator Cars, Tank Cars, and Hopper Cars, and Automotive Busses. General American Transportation Corporation, Chicago, Ill.
Filed Feb. 25, 1950, Serial No. 593,067. Published Sept. 23, 1952. Class 19.
- 570,118. Expanded Metal Lath Used for Reinforcing Concrete, and in Fireproof Building Construction. Truscon Steel Company, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.
Filed Mar. 3, 1950, Serial No. 593,378. Published Nov. 18, 1952. Class 12.
- 570,119. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Flavoring Material, or Ingredient in Medicines and Pharmaceutical Preparations. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 18, 1950, Serial No. 594,206. Published Oct. 14, 1952. Class 18.
- 570,120. Books, Pamphlets, Brochures, Tracts, Leaflets, Prospectuses, and Similar Publications. Stephen Hoyt Patterson, Jr., doing business as The Ampersand Press, Princeton, N. J.
Filed Mar. 18, 1950, Serial No. 594,232. Published Nov. 18, 1952. Class 38.
- 570,121. Automobile Accessories, Consisting of Hood and Fender Ornaments, Air Deflectors, Dash Fences, Ventilating Shades, Tissue Dispensers, Fender Flaps, Fender Guides, Fender Trim, Wheel Disks, Automobile Horns, and License Plate Frames. Compco Corporation, Chicago, Ill.
Filed Mar. 31, 1950, Serial No. 594,954. Published Sept. 23, 1952. Class 19.
- 570,122. Liquid Air Entrainer and Hardening Agent for Concrete and Concrete Products. Atlantic Chemicals, Inc., Orlando, Fla.
Filed Apr. 15, 1950, Serial No. 595,758. Published Nov. 18, 1952. Class 6.
- 570,123. Grease Trapping and Filtering Devices Used in Conjunction With Cooking Stoves, Etc. Pacific Air Conditioning Co., San Francisco, Calif.
Filed Apr. 17, 1950, Serial No. 596,003. Published Nov. 11, 1952. Class 13.
- 570,124. Sauce for Spaghetti, Steaks, Chops, Fried Chicken, Stews, and Soups. James (Dimitri) Papalexis, Ashtabula, Ohio.
Filed Apr. 21, 1950, Serial No. 596,114. Published Nov. 11, 1952. Class 46.
- 570,125. Alcoholic Cordials and Liqueurs. Arrow Liqueurs Corporation, Detroit, Mich.
Filed May 2, 1950, Serial No. 596,706. Published Nov. 4, 1952. Class 49.
- 570,126. Hand-Operated Right-Angle Drive Adapter Mechanism, Etc. Handy Sales Manufacturing Company, Inc., Cleveland, Ohio.
Filed May 6, 1950, Serial No. 596,995. Published Oct. 21, 1952. Class 23.
- 570,127. Varnish Floor Sealers. Fletcher Kirkpatrick Perrow, Jr., trading as Perrow Chemical Co., Hurt, Va.
Filed May 19, 1950, Serial No. 597,777. Published Nov. 11, 1952. Class 16.
- 570,128. Magnetic Amplifiers Used in the Regulation of the Speed and Voltage of Motors and Generators. Ward Leonard Electric Company, Mount Vernon, N. Y.
Filed May 19, 1950, Serial No. 597,799. Published Oct. 21, 1952. Class 21.
- 570,129. Paste and Liquid Waxes, and Self-Polishing Wax for Polishing Floors and Other Surfaces. The Butcher Polish Company, Boston, Mass.
Filed May 24, 1950, Serial No. 598,000. Published Nov. 18, 1952. Class 4.
- 570,130. Jet Insecticidal Fog Generators. Dyna-Fog Corp., Vandalia, Ohio.
Filed May 25, 1950, Serial No. 598,071. Published Oct. 21, 1952. Class 23.
- 570,131. Relish Containing Olive, Sweet Pimento, Caper, Oregano, Vinegar, Olive Oil, Salt, and Water, Packed in Bottles, Cans, or Jars. J. Ossola Co. Inc., also known as J. Ossola Co., New York, N. Y.
Filed June 7, 1950, Serial No. 598,750. Published Nov. 11, 1952. Class 46.
- 570,132. Sullings and Shirtings Made of Cotton and or Linen Fabric in the Piece, for Manufacture of Men's and Boys' Wear. M. H. Raab-Meyerhoff Co., Inc., Philadelphia, Pa., and New York, N. Y., assignor to James Nelson Limited, Nelson, England, a corporation of England.
Filed June 27, 1950, Serial No. 599,842. Published Nov. 18, 1952. Class 42.
- 570,133. Abrasives—Namely, Blast Grit and Friction Granules for Use in Finishing, Cleaning, and Abrading Surfaces of All Kinds. H. B. Reed & Company, Hammond, Ind.
Filed Apr. 21, 1950, Serial No. 600,239. Published Nov. 18, 1952. Class 4.
- 570,134. Motor Vehicle Accessories—Namely, Vehicle Direction Indicators of the Semaphore Arm Type, Windshield Wipers, Windshield Wiper Arms, Windshield Wiper Blades, Etc. Magnatex Limited, Harlington, England.
Priority under Sec. 44(d). British Registrations Nos. B687,071 and B687,072, filed Mar. 8, 1950.
Filed July 11, 1950, Serial No. 600,496. Published Sept. 30, 1952. Class 19.

- 570,135. Posting Board for Holding Bookkeeping Loose Leaf Sheets During Entry. Dennison & Sons, Long Island City, N. Y.
Filed July 13, 1950, Serial No. 600,577. Published Nov. 4, 1952. Class 37.
- 570,136. Devices for Holding Window Sash in Adjusted Positions. Grand Rapids Hardware Company, Grand Rapids, Mich.
Filed July 17, 1950, Serial No. 600,775. Published Nov. 18, 1952. Class 13.
- 570,137. Body Deodorant. Jules Montener, Inc., Chicago, Ill.
Filed July 20, 1950, Serial No. 600,966. Published Oct. 14, 1952. Class 51.
- 570,138. Saxophones, Violins, Pianos, Flutes, Cellos, Harps, Drums, Trumpets, Clarinets. Etablissements L. Pierret & Cie, Sociétés à Responsabilité Limitée, Paris, Seine, France.
Filed July 27, 1950, Serial No. 601,318. Published Nov. 25, 1952. Class 36.
- 570,139. Seat and Back Cushion Covers for Automobiles. Bertley Company, Incorporated, New York, N. Y.
Filed Aug. 9, 1950, Serial No. 601,973. Published Sept. 23, 1952. Class 19.
- 570,140. Buckles of Non-Precious Metals for Garment Supporting Belts. A. Stein & Company, Chicago, Ill.
Filed Aug. 11, 1950, Serial No. 602,114. Published Nov. 4, 1952. Class 40.
- 570,141. Canned Corned Beef. Arthur L. Pearson, Inc., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,162. Published Nov. 11, 1952. Class 46.
- 570,142. Lawnmowers. The Moto-Mower Company, Detroit, Mich.
Filed Aug. 16, 1950, Serial No. 602,276. Published Jan. 30, 1951. Class 23.
- 570,143. Magnetic Separators for the Separation of Ferrous Metal Particles From Soluble Oil Coolants and Cutting Oil Coolants, and Parts Thereof. United States Hoffman Machinery Corporation, Syracuse and New York, N. Y.
Filed Aug. 28, 1950, Serial No. 602,866. Published May 27, 1952. Class 21.
- 570,144. Liquid and Paste Wax Applicators—Namely, a Mechanical Device Provided With Rollers To Which the Liquid or Paste Wax Is Fed as the Device Is Moved Over a Surface To Be Waxed. Brantford Industries Limited, Brantford, Ontario, Canada.
Filed Aug. 29, 1950, Serial No. 603,339. Published Nov. 11, 1952. Class 29.
- 570,145. Magazine Containing Articles of Fiction and/or of General Interest. McCall Corporation, New York, N. Y.
Filed Sept. 13, 1950, Serial No. 603,485. Published Nov. 18, 1952. Class 38.
- 570,146. Flour sifters. McCormick Brothers Company, Albany, Ind.
Filed Sept. 22, 1950, Serial No. 603,890. Published Oct. 21, 1952. Class 23.
- 570,147. Canned Fruits and Canned Pineapple Juice. Empacadora de Loma Bonita, S. A., Mexico City, Mexico, assignee of Hawaiian Pineapple Company, Ltd., doing business as Dole Sales Company.
Filed Oct. 17, 1950, Serial No. 605,030. Published Oct. 28, 1952. Class 46.
- 570,148. Tuxedos, Underwear, and Evening Dress Suits for Men and Boys; Etc. Syndicat Français des Textiles Artificiels, Paris, France.
Priority under Sec. 44(d). French Registration No. 403,547, filed June 6, 1950.
Filed Oct. 17, 1950, Serial No. 605,065. Published Nov. 11, 1952. Class 39.
- 570,149. Tuxedos, Underwear, and Evening Dress Suits for Men and Boys; Etc. Syndicat Français des Textiles Artificiels, Paris, France.
Priority under Sec. 44(d). French Registration No. 403,548, filed June 6, 1950.
Filed Oct. 17, 1950, Serial No. 605,069. Published Nov. 11, 1952. Class 39.
- 570,150. Canned Fruits, Canned Vegetables, Fruit Preserves, Jellies, Olives, Vanilla Extract for Food Purposes, and Wild Rice. Ward W. Smith, doing business under the name of Gourmet, Beverly Hills, Calif.
Filed Nov. 6, 1950, Serial No. 605,974. Published Nov. 11, 1952. Class 46.
- 570,151. Infatable Rubber Balla for Physical Exercising. W. J. Volt Rubber Corp., Los Angeles, Calif.
Filed Nov. 13, 1950, Serial No. 606,347. Published Nov. 25, 1952. Class 22.
- 570,152. Textile Fabrics of Cotton, Wool, and Synthetic Fibers, Bed Sheets and Sheetting, Table Cloths and Napkins, and Shower and Window Curtains. The Raven Company, New York, N. Y.
Filed Nov. 21, 1950, Serial No. 606,724. Published Nov. 18, 1952. Class 42.
- 570,153. Building Fronts—Namely, Decorative Wall Panels; Panels Composed of Steel, Concrete, and Enamel; Molding, Enameled Metal Tile; Decorative Trim Panels for Structural Members. Martin Hoffman Co., Livonia, Mich.
Filed Nov. 22, 1950, Serial No. 606,774. Published Oct. 14, 1952. Class 12.
- 570,154. Ready Mixed Paint. Welser & Tettel, doing business under the name of Raleigh Paint & Varnish Co., New York, N. Y.
Filed Nov. 22, 1950, Serial No. 606,831. Published Nov. 11, 1952. Class 16.
- 570,155. Penicillin Ointment for Veterinary Use Only. Peters Serum Company, Kansas City, Mo.
Filed Dec. 1, 1950, Serial No. 607,188. Published Nov. 4, 1952. Class 18.
- 570,156. Compositions in Capsule or Tablet Form for Mitigating Nausea. Medical Specialties, Inc., Rochester, Minn.
Filed Dec. 2, 1950, Serial No. 607,226. Published Nov. 4, 1952. Class 18.
- 570,157. Musical Instruments—Namely, Clarinets. Société de Façonnage et de Commerce, Paris, France.
Filed Dec. 8, 1950, Serial No. 607,453. Published Nov. 25, 1952. Class 36.
- 570,158. Rectal Pile Ointment. Block Drug Company, Inc., doing business under the trade name and style of Emergency Laboratories, Jersey City, N. J.
Filed Jan. 2, 1951, Serial No. 608,265. Published Nov. 4, 1952. Class 18.
- 570,159. Hand Trucks. Frank T. Hilliker, doing business as The Carl-Tier Company, St. Louis, Mo.
Filed Jan. 2, 1951, Serial No. 608,274. Published Oct. 21, 1952. Class 19.
- 570,160. Processed Oils for Use With Paints and Varnishes. Industrial Oil Products Corporation of Philadelphia, Philadelphia, Pa.
Filed Jan. 10, 1951, Serial No. 608,606. Published Nov. 4, 1952. Class 16.
- 570,161. Coin-Controlled Electrically Operated Automatic Phonograph Apparatus. Williams Manufacturing Company, Chicago, Ill.
Filed Jan. 13, 1951, Serial No. 608,776. Published Oct. 28, 1952. Class 21.
- 570,162. Fresh Citrus Fruit and Vegetables. Vala Mayes & Co., Edinburg, Tex.
Filed Jan. 17, 1951, Serial No. 608,872. Published Nov. 11, 1952. Class 46.

- 570,163. Electrical Apparatus—Namely, Pressure Switches, Overload Electrical Circuit Breakers, Magnetic Starters, and Gas Engine Cut Out. A. Y. McDonald Manufacturing Co., Dubuque, Iowa.
Filed Jan. 17, 1951, Serial No. 608,876. Published Nov. 18, 1952. Class 21.
- 570,164. Cut and Slabbed Bricks and Stripping To Be Assembled To Form a Combustion Chamber. Boston Machine Works Company, Lynn, Mass.
Filed Jan. 20, 1951, Serial No. 609,024. Published Oct. 14, 1952. Class 12.
- 570,165. Armagnac Brandy. Duc Marie Joseph Victor Pierre de Montesquieu-Fezensac, Neuilly-sur-Seine, France.
Filed Jan. 23, 1951, Serial No. 609,122. Published Nov. 4, 1952. Class 49.
- 570,166. Preparation for Correcting Nutritional Deficiencies in Animals, Especially Swine Nutritional Enteritis, Canine Dermatitis, and Poultry Nutritional Diseases. Allied Laboratories, Inc., Kansas City, Mo.
Filed Feb. 5, 1951, Serial No. 609,622. Published Nov. 4, 1952. Class 18.
- 570,167. Anti-Anthrax Preparation. Thos. Leeming & Co., Inc., New York, N. Y.
Filed Feb. 7, 1951, Serial No. 609,728. Published Nov. 18, 1952. Class 18.
- 570,168. Motorcycles. La Motoconfort, Pantin (Seine), France.
Filed Feb. 8, 1951, Serial No. 609,804. Published Oct. 28, 1952. Class 19.
- 570,169. Fabrics of Cotton, Wool, Linen, Silk, Rayon, Nylon, Hemp, Jute, Flax, and Mixtures Thereof. Gebroeders van Heek N. V., Enschede, Netherlands.
Filed Feb. 12, 1951, Serial No. 609,971. Published July 29, 1952. Class 42.
- 570,170. Laundry Work Tables; Stationary Laundry Racks; Wheeled Laundry Racks; and Lamps and Reflectors in Combination With Laundry Work Tables or Racks. National Marking Machine Company Limited, Park Royal, London, England.
Filed Feb. 15, 1951, Serial No. 610,135. Published Nov. 25, 1952. Class 24.
- 570,171. Floating Action Door Hanger. Dowlong Manufacturing, Inc., San Francisco and Alameda, Calif.
Filed Feb. 20, 1951, Serial No. 610,313. Published Nov. 11, 1952. Class 13.
- 570,172. Electrically Operated Automatic Dish Washers. Given Manufacturing Co., Los Angeles, Calif.
Filed Feb. 23, 1951, Serial No. 610,439. Published Apr. 22, 1952. Class 21.
- 570,173. Analgesic Balm. Jefferson Pharmaceutical Company, Detroit, Mich.
Filed Feb. 23, 1951, Serial No. 610,445. Published Nov. 4, 1952. Class 18.
- 570,174. Units for Local, Voice-Communicating, Electrically Operated, Inter-Communication Systems—Namely, Microphone Units, Loudspeaker Units, Combination Microphone and Loudspeaker Units, Control Amplifier Units, and Junction Boxes. Solisound Industries, Inc., doing business as Electronic Engineering Co., Akron, Ohio.
Filed Feb. 27, 1951, Serial No. 610,591. Published Oct. 28, 1952. Class 21.
- 570,175. Preparation To Be Taken Internally for the Sole Purpose of Serving as an X-Ray Contrast Medium. American Cystoscope Makers, Inc., New York, N. Y.
Filed Mar. 8, 1951, Serial No. 611,010. Published June 17, 1952. Class 18.
- 570,176. Preparation To Be Taken Internally for the Sole Purpose of Serving as an X-Ray Contrast Medium. American Cystoscope Makers, Inc., New York, N. Y.
Filed Mar. 8, 1951, Serial No. 611,011. Published June 17, 1952. Class 18.
- 570,177. Shower Curtains of Water Repellent Fabric. I. B. Kleinert Rubber Company, New York, N. Y.
Filed Feb. 15, 1951, Serial No. 611,050. Published Nov. 11, 1952. Class 42.
- 570,178. Surface Boiler Skimmers for Automatic Blow-down of Stationary and Locomotive Boilers. Boiler Specialties Corporation, Chicago, Ill.
Filed Mar. 14, 1951, Serial No. 611,257. Published Nov. 4, 1952. Class 13.
- 570,179. Textile Piece Goods of Cotton, Wool, and Synthetic Fibers, Including Nylon. John Heathcoat and Company Limited, Tiverton, England, assignor to John Heathcoat & Co., Inc., New York, N. Y.
Filed Mar. 14, 1951, Serial No. 611,271. Published Nov. 18, 1952. Class 42.
- 570,180. Piece Goods Wholly of Rayon. John Heathcoat and Company Limited, Tiverton, England, assignor to John Heathcoat & Co., Inc., New York, N. Y.
Filed Mar. 14, 1951, Serial No. 611,272. Published Nov. 18, 1952. Class 42.
- 570,181. Textile Piece Goods of Cotton, Wool, and Synthetic Fibers, Including Nylon. John Heathcoat and Company Limited, Tiverton, Devonshire, England, assignor to John Heathcoat & Co., Inc., New York, N. Y.
Filed Mar. 14, 1951, Serial No. 611,273. Published Nov. 18, 1952. Class 42.
- 570,182. Aircraft of the Helicopter Type. Plasecki Helicopter Corporation, Morton, Pa.
Filed Mar. 14, 1951, Serial No. 611,305. Published Oct. 28, 1952. Class 19.
- 570,183. Whiskey. H & H Distributing Company, Inc., Chicago, Ill.
Filed Mar. 15, 1951, Serial No. 611,356. Published Oct. 28, 1952. Class 49.
- 570,184. Electrically Lighted and Operated Picture Display Advertising Cabinets. Maurice M. Mummert, doing business as Admatic Projector Company, Evanston, Ill.
Filed Mar. 15, 1951, Serial No. 611,367. Published Nov. 18, 1952. Class 21.
- 570,185. Synthetic Wax, Per Se, Having Various Uses in the Industrial Arts. Velsicol Corporation, Chicago, Ill.
Filed Mar. 15, 1951, Serial No. 611,387. Published Nov. 11, 1952. Class 6.
- 570,186. Automobiles and Their Structural Parts. Chrysler Corporation, Highland Park, Mich.
Filed Mar. 16, 1951, Serial No. 611,402. Published Sept. 30, 1952. Class 19.
- 570,187. Automobiles and Their Structural Parts. Chrysler Corporation, Highland Park, Mich.
Filed Mar. 16, 1951, Serial No. 611,403. Published Sept. 30, 1952. Class 19.
- 570,188. Automobiles and Their Structural Parts. Chrysler Corporation, Highland Park, Mich.
Filed Mar. 16, 1951, Serial No. 611,405. Published Oct. 28, 1952. Class 19.
- 570,189. Automobile Seat Covers. Rayco Manufacturing Co., Paterson, N. J.
Filed Mar. 16, 1951, Serial No. 611,451. Published Sept. 30, 1952. Class 19.
- 570,190. Liquid Asphalt. Addex Corporation, Cleveland, Ohio.
Filed Mar. 23, 1951, Serial No. 611,675. Published Nov. 18, 1952. Class 12.
- 570,191. Plastic Screens. Plastite Screen Corporation, Los Angeles, Calif.
Filed Mar. 27, 1951, Serial No. 611,852. Published Nov. 4, 1952. Class 12.

- 370,192. Luminous Safety Device Consisting of Cut-Outs of Reflective Glass and Plastic Sheeting To Be Applied to Motor Vehicle Doors. Luma-Rite Corporation, Oakland, Calif.
Filed Mar. 30, 1951, Serial No. 612,022. Published Oct. 7, 1952. Class 19.
- 370,193. Wheelbarrows. Buch Manufacturing Company, Elizabethtown, Pa.
Filed Apr. 6, 1951, Serial No. 612,303. Published Sept. 30, 1952. Class 19.
- 370,194. Switch Mechanism for Sequentially Connecting Each of a Plurality of Electric Gaging Devices to an Amplifier Mechanism. The Hrush Development Company, Cleveland, Ohio.
Filed Apr. 17, 1951, Serial No. 612,726. Published Oct. 28, 1952. Class 21.
- 370,195. Automobile Accessories—Namely, Dash Trays, Dash Rails, Ash Trays, Clothing Hangers, and Hood Ornaments, for Use In and on Automotive Vehicles. City Tool Accessories Corporation, Chicago, Ill.
Filed Apr. 25, 1951, Serial No. 613,117. Published Oct. 14, 1952. Class 19.
- 370,196. Flaked Corn Product Used in the Manufacture of Alcoholic Malt Beverages. Chas. A. Krause Milling Co., Milwaukee, Wis.
Filed Apr. 28, 1951, Serial No. 613,297. Published Oct. 28, 1952. Class 48.
- 370,197. Liquid Make-Up Preparation. Campana Corporation, Batavia, Ill.
Filed May 4, 1951, Serial No. 613,500. Published Oct. 14, 1952. Class 51.
- 370,198. Concrete Irrigation-Ditch Gates and Concrete Irrigation Valves. Valley Concrete Pipe & Products Company, Inc., Yuba City, Calif.
Filed May 12, 1951, Serial No. 613,827. Published Nov. 11, 1952. Class 13.
- 370,199. Walking Plows, Two-Way Tractor Sulky Plows; Etc., The Oliver Corporation, Chicago, Ill.
Filed May 22, 1951, Serial No. 614,214. Published Oct. 28, 1952. Class 23.
- 370,200. Preparation Intended for Use as a Local Anesthetic To Be Administered Either by Parenteral Administration or by Topical Application to Skin or Mucous Membranes. Abbott Laboratories, North Chicago, Ill.
Filed Apr. 21, 1951, Serial No. 614,386. Published Nov. 4, 1952. Class 18.
- 370,201. Valve Assemblies and Parts Thereof for Hydraulic Pumps Other Than Wellpumps. American Iron and Machine Works Company, Oklahoma City, Okla.
Filed May 31, 1951, Serial No. 614,531. Published Oct. 21, 1952. Class 23.
- 370,202. Ale. Brewing Corporation of America, Cleveland, Ohio.
Filed June 5, 1951, Serial No. 614,740. Published Oct. 28, 1952. Class 48.
- 370,203. Reweaving Supply and Equipment Kits, Etc. Skill-Weave Co., Los Angeles, Calif.
Filed June 5, 1951, Serial No. 614,793. Published Nov. 4, 1952. Class 40.
- 370,204. Liquid Wax Floor Dressing, for Cleaning, Polishing, and Preserving Wood Flooring. Hillyard Chemical Company, St. Joseph, Mo.
Filed June 8, 1951, Serial No. 614,942. Published Oct. 28, 1952. Class 4.
- 370,205. Asbestos Insulation Materials in Bulk, Flake Form. Sprayed Insulation, Inc., Newark, N. J.
Filed June 9, 1951, Serial No. 614,998. Published Oct. 14, 1952. Class 12.
- 370,206. Sporting Goods—Namely, Sleeping Bags for Outdoor Use, Air Mattresses for Outdoor Use. Ames Harris Neville Co., San Francisco, Calif.
Filed June 13, 1951, Serial No. 615,118. Published Nov. 25, 1952. Class 22.
- 370,207. Cologne, Perfume, Face Powder, Skin Creams, and Lipsticks. George E. Samar, doing business as Samar Cosmetic Co., Syracuse, N. Y.
Filed June 13, 1951, Serial No. 615,136. Published Oct. 14, 1952. Class 51.
- 370,208. Chemical Products for Use as Wetting and Mercerizing Agents in the Textile Industry. Cassella Farbwerke Mainkur, Frankfurt-on-the-Main-Fechenheim, Germany.
Filed June 14, 1951, Serial No. 615,154. Published Nov. 18, 1952. Class 6.
- 370,209. Brandy, Creme de Menthe, Kummel, Gin, Anisette, Creme de Cacao, Peppermint Schnappa, and Rock and Rye. College Inn Food Products Company, Chicago, Ill.
Filed June 14, 1951, Serial No. 615,159. Published Nov. 18, 1952. Class 49.
- 370,210. Vibration Absorbing Materials for Acoustic, Mechanical Insulating, and Similar Purposes Consisting of Felt Bodies. The Felters Company, Boston, Mass.
Filed June 14, 1951, Serial No. 615,175. Published Nov. 18, 1952. Class 12.
- 370,211. Electrically Operated Deodorizer Containing a Deodorant. Keystone Scent-Conditioner Corp., Philadelphia, Pa.
Filed June 14, 1951, Serial No. 615,184. Published Oct. 28, 1952. Class 21.
- 370,212. Expanded and/or Comminuted Perlite Aggregate as a Paint Filler. Great Lakes Carbon Corporation, New York, N. Y.
Filed June 15, 1951, Serial No. 615,219. Published Nov. 11, 1952. Class 16.
- 370,213. Dollies for Mechanics To Allow Movement of the Mechanic Under a Vehicle in a Recumbent Position and Wheel Balancing Weights. Lempeo Products, Inc., Bedford, Ohio.
Filed June 15, 1951, Serial No. 615,233. Published Sept. 30, 1952. Class 19.
- 370,214. Lady's Hosiery. Sumner Hosiery Mill, Oanonia, N. C.
Filed June 15, 1951, Serial No. 615,255. Published Nov. 18, 1952. Class 30.
- 370,215. Ladies' Dresses. E-Z-On Maternity Dress Co., Inc., New York, N. Y.
Filed June 21, 1951, Serial No. 615,480. Published Nov. 11, 1952. Class 39.
- 370,216. Sausages, Klipped Herring, and Cheese and Crackers Packaged Together. Vaca Foods, Inc., Chicago, Ill.
Filed June 28, 1951, Serial No. 615,867. Published Nov. 11, 1952. Class 40.
- 370,217. Preparations in Cream, Liquid, Paste, and Wax Form, for Cleaning, Coloring, Dressing, Polishing, and Shining Shoes, Boots, Leather, and Leather Articles. Oriffin Manufacturing Co., Inc., Brooklyn, N. Y.
Filed June 29, 1951, Serial No. 615,802. Published Oct. 28, 1952. Class 4.
- 370,218. Preparations in Cream, Liquid, Paste, and Wax Form, for Cleaning, Coloring, Dressing, Polishing, and Shining Shoes, Boots, Leather, and Leather Articles. Oriffin Manufacturing Co., Inc., Brooklyn, N. Y.
Filed June 29, 1951, Serial No. 615,893. Published Oct. 28, 1952. Class 4.
- 370,219. Waving Lotion and a Neutralizer Used in the Cold Wave Process of Waving Hair. Sales Affiliates, Inc., New York, N. Y.
Filed July 3, 1951, Serial No. 616,052. Published Oct. 14, 1952. Class 51.

- 370,220. Plywood. Pacific Forest Industries, Tacoma, Wash.
Filed July 5, 1951, Serial No. 616,118. Published Nov. 4, 1952. Class 12.
- 370,221. Cologne, Perfume, Face Powder, Skin Creams, and Lipsticks. George E. Samar, doing business as Samar Cosmetic Co., Syracuse, N. Y.
Filed July 5, 1951, Serial No. 616,132. Published Oct. 14, 1952. Class 51.
- 370,222. Beer. Griesedieck Western Brewery Company, doing business as Hyde Park Breweries Association, Belleville, Ill., and St. Louis, Mo.
Filed July 6, 1951, Serial No. 616,171. Published Nov. 18, 1952. Class 48.
- 370,223. Enamel. Warren Paint & Color Company, Nashville, Tenn.
Filed July 11, 1951, Serial No. 616,350. CONCURRENT USE. Published Nov. 11, 1952. Class 16.
- 370,224. Bicycles. Mauton & Smith Company, Chicago, Ill.
Filed July 18, 1951, Serial No. 616,639. Published Oct. 14, 1952. Class 19.
- 370,225. Kraft Wrapping Paper, Both Plain and Treated To Make It Water-Resistant for Meat Wrapping. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass.
Filed July 26, 1951, Serial No. 616,991. Published Nov. 4, 1952. Class 37.
- 370,226. Fertilizer. Thomas D. Burnett, Sparks, Md.
Filed Sept. 22, 1951, Serial No. 619,132. Published Dec. 2, 1952. Class 10.
- 370,227. Plastic Sun Shades and Visors To Be Attached to the Windshield of Automobiles. Louis B. York, doing business under the name of Admiral Fabrics Co., New York, N. Y.
Filed July 27, 1951, Serial No. 617,068. Published Oct. 28, 1952. Class 19.
- 370,228. Motorcycles. Spiegel, Inc., Chicago, Ill.
Filed July 28, 1951, Serial No. 617,097. Published Sept. 30, 1952. Class 19.
- 370,229. Grooved Phonograph Records. Halco Recording Corporation, Forest Hills, N. Y.
Filed July 31, 1951, Serial No. 617,147. Published Nov. 18, 1952. Class 36.
- 370,230. Port Wine. De La Salle Institute, doing business as Mont La Salle Vineyards and as The Christian Brothers of California, Napa, Calif.
Filed Aug. 2, 1951, Serial No. 617,236. Published Nov. 4, 1952. Class 47.
- 370,231. Wall Type Towel Dispensers and Parts Thereof. Fricar Mfg. Co. Inc., Schenectady, N. Y.
Filed Aug. 2, 1951, Serial No. 617,240. Published Nov. 18, 1952. Class 13.
- 370,232. Automatic Medical Injection Apparatus. Roehr Products Co., Waterbury, Conn.
Filed Aug. 2, 1951, Serial No. 617,263. Published Nov. 4, 1952. Class 44.
- 370,233. Bowling Socks for Men, Women, and Children. The Gilbert Products Corporation, New York, N. Y.
Filed Aug. 10, 1951, Serial No. 617,540. Published Nov. 11, 1952. Class 39.
- 370,234. Paint Enamels. Steelcote Manufacturing Company, St. Louis, Mo.
Filed Aug. 10, 1951, Serial No. 617,560. Published Nov. 11, 1952. Class 16.
- 370,235. Ladies' and Children's Hosiery. Larry Millberg, New York, N. Y.
Filed Aug. 11, 1951, Serial No. 617,588. Published Nov. 11, 1952. Class 39.
- 370,236. Make-Up Elastic Bands for the Head. The American Beauty Make-Up Band Co., Los Angeles, Calif.
Filed Aug. 13, 1951, Serial No. 617,597. Published Nov. 4, 1952. Class 40.
- 370,237. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y.
Filed Aug. 13, 1951, Serial No. 617,605. Published Oct. 14, 1952. Class 51.
- 370,238. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y.
Filed Aug. 13, 1951, Serial No. 617,611. Published Oct. 14, 1952. Class 51.
- 370,239. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y.
Filed Aug. 13, 1951, Serial No. 617,612. Published Oct. 14, 1952. Class 51.
- 370,240. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y.
Filed Aug. 13, 1951, Serial No. 617,613. Published Oct. 14, 1952. Class 51.
- 370,241. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y.
Filed Aug. 13, 1951, Serial No. 617,615. Published Oct. 14, 1952. Class 51.
- 370,242. Natural and Synthetic Essential Oils and Aromatic Chemicals Used as a Base or an Ingredient in Perfumery. Firmenich, Incorporated, New York, N. Y.
Filed Aug. 13, 1951, Serial No. 617,617. Published Oct. 14, 1952. Class 51.
- 370,243. Mixture of Water-Soluble Alkaline Salts Capable of Forming Soluble Non-Ionic Complexes with Polyvalent Metallic Ions So That These Complex Ions Can No Longer Be Precipitated Out of Solution. Arkansas Company, Inc., Newark, N. J.
Filed Aug. 16, 1951, Serial No. 617,743. Published Nov. 11, 1952. Class 6.
- 370,244. Pigments for Use in the Manufacture of Protective Coatings—Namely, Paints, Enamels, and Lacquers. The Standard Ultramarine Company, Huntington, W. Va., now by change of name Standard Ultramarine Color Co.
Filed Aug. 16, 1951, Serial No. 617,773. Published Nov. 11, 1952. Class 16.
- 370,245. Electric Floor Polishing Machines. Advance Machine Company, Minneapolis, Minn.
Filed Aug. 22, 1951, Serial No. 617,939. Published Oct. 28, 1952. Class 21.
- 370,246. Medicinal Preparation Containing Vitamin B Complex Compounds and Ferrous Sulfate and Copper Sulfate. E. S. Miller Laboratories, Inc., Los Angeles, Calif.
Filed Aug. 25, 1951, Serial No. 618,094. Published Nov. 4, 1952. Class 18.
- 370,247. Aeroplanes and Structural Parts Thereof. Vickers-Armstrongs Limited, London and Westminster, London, England.
Filed Aug. 25, 1951, Serial No. 618,106. Published Sept. 30, 1952. Class 19.
- 370,248. Dolls. Ideal Toy Corporation, Hollis, N. Y.
Filed Aug. 28, 1951, Serial No. 618,107. Published Nov. 25, 1952. Class 22.
- 370,249. Shoe Laces. Hoffman Lion Mills Company, Inc., Fall River, Mass.
Filed Aug. 30, 1951, Serial No. 618,234. Published Nov. 4, 1952. Class 40.
- 370,250. Paint for Exterior and Interior Walls. Perma-Face Company of America, Pittsburgh, Pa.
Filed Aug. 31, 1951, Serial No. 618,303. Published Nov. 4, 1952. Class 16.
- 370,251. Electrical Apparatus Used in Controlling Enuresis, Etc. Klug Research Laboratories, Beverly Hills, Calif.
Filed Sept. 4, 1951, Serial No. 618,355. Published Nov. 4, 1952. Class 44.

- 570,252. Paints, Particularly Acid Resistant Paint Made From Polyvinyl Chloride Resin. Lugofex Plastic Fabricating Inc., Medway, Mass., now by change of name Industrial Plastic Fabricators, Inc.; assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de St. Gobain Chauny and Crey, Paris, France.
Filed Sept. 5, 1951, Serial No. 618,397. Published Nov. 4, 1952. Class 18.
- 570,253. Pump Used in the Transfer of Ammonia, Propane, and Other Liquefied Petroleum Gases. S. N. Dally, doing business as Dally Pump Co., Quapaw, Okla.
Filed Sept. 6, 1951, Serial No. 618,448. Published Oct. 21, 1952. Class 23.
- 570,254. Accordions. Patti Bros. Accordion Manufacturing Co., Milwaukee, Wis.
Filed Sept. 7, 1951, Serial No. 618,508. Published Nov. 23, 1952. Class 36.
- 570,255. Musical Instruments—Namely, Clarinets. Boosey and Hawkes, U. S. A., Ltd., Oceanside, N. Y., now by change of name Boosey & Hawkes New York Limited.
Filed Sept. 11, 1951, Serial No. 618,617. Published Nov. 23, 1952. Class 36.
- 570,256. Television Picture Tube Reactivators Used for Increasing Cathode Circuit Power in the Picture Tube. CBC Electronics Co., Philadelphia, Pa.
Filed Sept. 11, 1951, Serial No. 618,622. Published Nov. 18, 1952. Class 21.
- 570,257. Composition Roofing and Siding. American Home Advisers, Inc., Seattle, Wash.
Filed Sept. 17, 1951, Serial No. 618,874. Published Nov. 18, 1952. Class 12.
- 570,258. Comic Strips in Comic Magazines. Terrytoons, Inc., New Rochelle, N. Y.
Filed Sept. 18, 1951, Serial No. 618,946. Published Nov. 18, 1952. Class 38.
- 570,259. Refractory Material—Namely, Brick and Cement. Refractory Sales Company, Detroit, Mich.
Filed Sept. 19, 1951, Serial No. 618,985. Published Nov. 18, 1952. Class 12.
- 570,260. Antiseptic, Resorbable Root Canal Filling for Treatment of Acute Periapical Infection and, in Combination With Iodoform, for Periodic Granuloma Filling. Gebr. de Trey, Aktiengesellschaft, Zurich, Switzerland.
Filed Sept. 20, 1951, Serial No. 619,012. Published Nov. 4, 1952. Class 18.
- 570,261. Mufflers, Tail Pipes, Exhaust Pipes, Shackle Sets, Etc. Garcia International Corporation, Chicago, Ill.
Filed Sept. 27, 1951, Serial No. 619,296. Published Oct. 28, 1952. Class 19.
- 570,262. Cold Wave Solution for the Hair. Glida Audrey Products, Inc., New York, N. Y.
Filed Sept. 28, 1951, Serial No. 619,326. Published Oct. 14, 1952. Class 51.
- 570,263. Canned Vegetable Compound Made From Egg Plants, Olive Oil, Celery, Olives, Capers, Onions, Tomato Sauce, Vinegar, Sugar, Salt, Etc., Used as a Food Seasoning, Sandwich Spread, and Relish. Uddo & Taormina Company, Brooklyn, N. Y.
Filed Aug. 28, 1951, Serial No. 619,423. Published Nov. 11, 1952. Class 46.
- 570,264. Perambulators and Push-Chairs. D. Sebel and Company Limited, Erith, Kent, England.
Filed Oct. 1, 1951, Serial No. 619,476. Published Oct. 14, 1952. Class 19.
- 570,265. Power Driven Woodworking Machinery—Namely, Table Saws, Etc. Duro Metal Products Co., Chicago, Ill.
Filed Oct. 2, 1951, Serial No. 619,502. Published Nov. 4, 1952. Class 23.
- 570,266. Perfumes, Perfume Essences, and Toilet Water. Exclusive Import Company, Inc., Chicago, Ill.
Filed Oct. 5, 1951, Serial No. 619,613. Published Oct. 14, 1952. Class 51.
- 570,267. Infants' and Children's One and Two Piece, Cotton Knit, Sleeping Garments. The Perry Knitting Company, Perry, N. Y.
Filed Oct. 9, 1951, Serial No. 619,767. Published Nov. 11, 1952. Class 39.
- 570,268. Electrical Insulatory Material—Namely, Electrical Varnishes, Etc. Dow Corning Corporation, Midland, Mich.
Filed Oct. 10, 1951, Serial No. 619,816. Published Oct. 21, 1952. Class 21.
- 570,269. Safety and Straight Pins. Hospital Equipment Corporation, New York, N. Y.
Filed Oct. 10, 1951, Serial No. 619,834. Published Nov. 4, 1952. Class 40.
- 570,270. Women's and Children's Slacks, Outer Shorts, Skirts, Blouses, Jackets, Gym Shorts, Gym Blouses, and Women's Service Dresses and Brassieres. Betty Brooks Co., Huntington Park, Calif.
Filed Oct. 13, 1951, Serial No. 619,964. Published Nov. 11, 1952. Class 30.
- 570,271. Prepared Edible Chocolate. Suchard Holding Societe Anonyme, Lausanne, Switzerland.
Filed Oct. 16, 1951, Serial No. 620,053. Published Nov. 18, 1952. Class 46.
- 570,272. Metallized-Paper Capacitors. Astron Corporation, East Newark, N. J.
Filed Oct. 17, 1951, Serial No. 620,081. Published Oct. 28, 1952. Class 21.
- 570,273. Children's Auxiliary Seat With Steering Gear and Controls Simulating Automobile Driving Elements. J. Wright Smith, Austin, Tex.
Filed Oct. 17, 1951, Serial No. 620,114. Published Oct. 21, 1952. Class 19.
- 570,274. Athletic Socks, Hosiery, and Mittens Made of Knitted Fabric for Men, Women, Boys, and Girls. Portage Hosiery Company, Portage, Wis.
Filed Nov. 5, 1951, Serial No. 620,899. Published Nov. 11, 1952. Class 39.
- 570,275. Wines. Mij. "De Betuwe" N. V., Tiel, Netherlands.
Filed Nov. 6, 1951, Serial No. 620,926. Published Oct. 28, 1952. Class 47.
- 570,276. Enzyme Preparation of Fungal Origin Used for the Conversion of Starch to Soluble Dextrines and Simple Sugars in the Manufacture of Foods. Takamine Laboratory, Inc., Clifton, N. J.
Filed Nov. 6, 1951, Serial No. 620,937. Published Nov. 18, 1952. Class 6.
- 570,277. Enzyme Preparation Used To Convert Starches to Soluble Dextrines, Maltose, and Dextrose and for Use in Dyeing Textile Goods. Takamine Laboratory, Inc., Clifton, N. J.
Filed Nov. 6, 1951, Serial No. 620,939. Published Nov. 18, 1952. Class 6.
- 570,278. Non-Alcoholic Maltless Soft Drinks and Carbonated Waters. Stabilimenti Demaniali Recoaro Societa per Azioni, Milan, Italy.
Priority under Sec. 44(d). Italian Registration No. 103,432, filed May 19, 1951.
Filed Nov. 7, 1951, Serial No. 620,978. Published Nov. 4, 1952. Class 45.
- 570,279. Vehicle Rubber Tires and Tubes and Camelback Material for Tire Retreading and Recapping. Pacific Tire & Rubber Company, Oakland, Calif.
Filed Nov. 13, 1951, Serial No. 621,164. Published Nov. 18, 1952. Class 35.

- 570,280. Substance Having the Chemical Formula, 2,2'-Dihydroxy-5, Etc. Sindar Corporation, New York, N. Y.
Filed Nov. 13, 1951, Serial No. 621,172. Published Nov. 18, 1952. Class 6.
- 570,281. Pressure Operated Electrical Switches, Overload Electrical Circuit Breakers, and Magnetic Starters. A. Y. McDonald Manufacturing Co., Dubuque, Iowa.
Filed Nov. 15, 1951, Serial No. 621,276. Published Nov. 11, 1952. Class 21.
- 570,282. Electric Switchboard Panels and Motor-Generator Sets. The Standard Electric Time Company, Springfield, Mass.
Filed Nov. 16, 1951, Serial No. 621,339. Published Oct. 28, 1952. Class 21.
- 570,283. Apparatus for Waste Water Treatment Under Oxidizing Conditions, and More Particularly for Sedimentation Apparatus Such as Thickeners or Clarifiers Surrounded by Aeration Chambers. The Dorr Company, Stamford, Conn.
Filed Nov. 17, 1951, Serial No. 621,357. Published Oct. 21, 1952. Class 23.
- 570,284. Berry Preserves, Jams, Jellies, and Marmalades. The Pogg Co., Malden, Mass.
Filed Nov. 23, 1951, Serial No. 621,576. Published Nov. 18, 1952. Class 46.
- 570,285. Ice Cream, Sherbets, and Ices. Langenfeld Ice Cream Company, Mitchell, S. Dak.
Filed Nov. 26, 1951, Serial No. 621,673. Published Nov. 18, 1952. Class 46.
- 570,286. Portable Shoe Polishing Unit Consisting of an Applicator for Containing and Dispensing Shoe Polish and an Integral Shoe Brush. Saulbert, Inc., New York, N. Y.
Filed Nov. 27, 1951, Serial No. 621,731. Published Nov. 18, 1952. Class 20.
- 570,287. Centrifugal Extractors. American Machine and Metals, Inc., East Moline, Ill.
Filed Nov. 28, 1951, Serial No. 621,745. Published Oct. 21, 1952. Class 23.
- 570,288. Perforated and Unperforated Band or Tape Made of Plastic, Etc. Martin I. Askin, Philadelphia, Pa.
Filed Nov. 28, 1951, Serial No. 621,746. Published Oct. 14, 1952. Class 44.
- 570,289. Floating Action Door Hangers. Dowlong Manufacturing, Inc., San Francisco, Calif.
Filed Dec. 5, 1951, Serial No. 622,104. Published Nov. 11, 1952. Class 13.
- 570,290. Candy. Fine Products Corporation, Augusta, Ga.
Filed Dec. 5, 1951, Serial No. 622,109. Published June 10, 1952. Class 46.
- 570,291. Aluminumware—Namely, Dutch Ovens, Fryers, and Sauce Pans. Good Will Sales, Inc., Gastonia, N. C.
Filed Dec. 12, 1951, Serial No. 622,300. Published Nov. 18, 1952. Class 13.
- 570,292. Wool Fabrics in the Piece. Miron Mills, Inc., Clinton, Mass.
Filed Dec. 12, 1951, Serial No. 622,399. Published Nov. 11, 1952. Class 42.
- 570,293. Jute Webbing. C. G. Trading Corp., New York, N. Y.
Filed Dec. 15, 1951, Serial No. 622,526. Published Nov. 18, 1952. Class 42.
- 570,294. Light Switch Plates. Falcon Plastic Products Mfg. Co., Culver City, Calif.
Filed Dec. 15, 1951, Serial No. 622,529. Published Oct. 28, 1952. Class 21.
- 570,295. Plasma Volume Expander. Laros Textiles Company, Bethlehem, Pa.
Filed Dec. 17, 1951, Serial No. 622,601. Published Nov. 25, 1952. Class 18.
- 570,296. Hydrophilic Colloids—Namely, Animal Glues. Burton H. Greenwood, doing business under the name of The Burtonite Company, Nutley, N. J.
Filed Dec. 20, 1951, Serial No. 622,995. Published Nov. 18, 1952. Class 5.
- 570,297. Automatic Light Signalling Device for Use on Automotive Vehicles To Indicate by Various Colors in the Signal Light the Operation of the Vehicle While in Motion With Reference to Its Slowing Down, Its Increasing in Speed, and Its Stopping. States Development and Manufacturing Co., Chicago, Ill.
Filed Jan. 2, 1952, Serial No. 623,086. Published Oct. 21, 1952. Class 19.
- 570,298. Electrically Operated Duplicating Machines. Ditto, Incorporated, Chicago, Ill.
Filed Jan. 3, 1952, Serial No. 623,130. Published Oct. 28, 1952. Class 21.
- 570,299. Spaghetti and Sauce. The Maestri Co., Inc., Springdale, Ark.
Filed Jan. 14, 1952, Serial No. 623,550. Published Nov. 18, 1952. Class 46.
- 570,300. Window Curtains. Bartmann & Bizer, Inc., New York, N. Y.
Filed Jan. 15, 1952, Serial No. 623,584. Published Nov. 18, 1952. Class 42.
- 570,301. Centrifugal Pumps for Handling Water, Oil, or Liquid Fuels; Self-Priming Centrifugal Pumps; Etc. Johnston Water-System Co., Mansfield, Ohio.
Filed Jan. 15, 1952, Serial No. 623,602. Published Oct. 21, 1952. Class 23.
- 570,302. Miniature Replaceable Self-contained Electronic Circuits, Comprising Complete Functional Circuit Units of Various Types. Audio Products Corporation, Los Angeles, Calif.
Filed Jan. 12, 1952, Serial No. 623,632. Published Oct. 28, 1952. Class 21.
- 570,303. Men's, Women's, Boys', Girls', Children's, and Infants' Hosiery. Hemphill Company, Pawtucket, R. I.
Filed Jan. 22, 1952, Serial No. 623,887. Published Nov. 18, 1952. Class 39.
- 570,304. Fungicides and Mildew-Proofing Agents. Advance Solvents & Chemical Corporation, New York, N. Y.
Filed Jan. 24, 1952, Serial No. 624,002. Published Nov. 11, 1952. Class 6.
- 570,305. Fabric Gloves. Tedson, Thornley and Company, Rochdale, England.
Filed Jan. 24, 1952, Serial No. 624,061. Published Nov. 11, 1952. Class 39.
- 570,306. Anhydrous Sodium Sulfate. Skenandoe Rayon Corporation, New York, N. Y.
Filed Jan. 25, 1952, Serial No. 624,107. Published Nov. 11, 1952. Class 6.
- 570,307. Electric Resistors. Ward Leonard Electric Company, Mount Vernon, N. Y.
Filed Jan. 26, 1952, Serial No. 624,170. Published Oct. 28, 1952. Class 21.
- 570,308. Sheets, Webs, and Batts Made Wholly or Partially of Cellulose Derivatives. Celanese Corporation of America, New York, N. Y.
Filed Jan. 29, 1952, Serial No. 624,224. Published Nov. 4, 1952. Class 1.
- 570,309. Men's, Women's, and Children's Hosiery, Stockings, and Socks. Edward Stern, Inc., New York, N. Y.
Filed Jan. 29, 1952, Serial No. 624,245. Published Nov. 11, 1952. Class 39.
- 570,310. Men's, Women's, and Children's Sweaters. Barrieger Knitting Mills, Inc., Philadelphia, Pa.
Filed Jan. 30, 1952, Serial No. 624,259. Published Nov. 11, 1952. Class 39.

- 570,311. Ladies' Hosiery. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C.
Filed Jan. 30, 1952, Serial No. 624,264. Published Nov. 18, 1952. Class 39.
- 570,312. Electrical Bottle Warmers. Arne R. Johnson, doing business under the style name of Johnson Radio & Machine Co., Madison, Wis.
Filed Jan. 30, 1952, Serial No. 624,272. Published Oct. 28, 1952. Class 21.
- 570,313. Electrical Sound Recording and Reproducing Machines and Parts Thereof. Miles Reproducer Co., New York, N. Y.
Filed Jan. 30, 1952, Serial No. 624,284. Published Oct. 28, 1952. Class 21.
- 570,314. Engine Driven Electrical Welders and Engine Driven Electrical Generators. Schramm Inc., West Chester, Pa.
Filed Jan. 30, 1952, Serial No. 624,305. Published Oct. 28, 1952. Class 21.
- 570,315. Mechanically Grooved Records. Decca Records, Inc., New York, N. Y.
Filed Feb. 6, 1952, Serial No. 624,592. Published Nov. 25, 1952. Class 36.
- 570,316. Electric Lamp Shade Made of Glass and Plastic Materials. Theodore Bargman, Detroit, Mich.
Filed Feb. 1, 1952, Serial No. 624,622. Published Oct. 28, 1952. Class 21.
- 570,317. Armagnac Brandy. Duc Marie Joseph Victor Pierre de Montesquieu-Fesensac, Neuilly-sur-Seine, France.
Filed Feb. 7, 1952, Serial No. 624,640. Published Nov. 4, 1952. Class 40.
- 570,318. Composition for Waterproofing and Preserving Leather. Leather Waterproofing and Preservative, Inc., New York, N. Y.
Filed Feb. 8, 1952, Serial No. 624,690. Published Nov. 11, 1952. Class 6.
- 570,319. Snap Fasteners, and for Buckles for Wearing Apparel. The Patent Button Company, Waterbury, Conn.
Filed Feb. 9, 1952, Serial No. 624,756. Published Nov. 4, 1952. Class 40.
- 570,320. Fluid Milk, Fluid Buttermilk, Fluid Cream, and Fluid Sour Cream. Embassy Dairy, Inc., Wilmington, Del., and Washington, D. C.
Filed Feb. 11, 1952, Serial No. 624,782. Published Nov. 11, 1952. Class 40.
- 570,321. Electrically Heated Water Tanks. Seidelhuber Iron and Bronze Works, Incorporated, Seattle, Wash.
Filed Feb. 11, 1952, Serial No. 624,799. Published Oct. 28, 1952. Class 21.
- 570,322. Nylon Sewing Thread. The Heminway & Bartlett Mfg. Co., Watertown, Conn.
Filed Feb. 12, 1952, Serial No. 624,831. Published Nov. 11, 1952. Class 43.
- 570,323. Polyester Type, Impregnated Glass Fiber for Low Pressure and Temperature Molding. The Cordo Chemical Corporation, Norwalk, Conn.
Filed Feb. 14, 1952, Serial No. 624,931. Published Oct. 14, 1952. Class 1.
- 570,324. Putty-Like Electrical Insulating Compound. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Feb. 15, 1952, Serial No. 625,020. Published Oct. 28, 1952. Class 21.
- 570,325. Electric Vaporizer. Exterminator Corporation of America, Philadelphia, Pa.
Filed Feb. 16, 1952, Serial No. 625,064. Published Oct. 28, 1952. Class 21.
- 570,326. Automobiles and Structural Parts Thereof. Willys-Overland Motors, Inc., Toledo, Ohio.
Filed Feb. 16, 1952, Serial No. 625,085. Published Oct. 21, 1952. Class 19.
- 570,327. Permanent Magnet Dynamic Loudspeakers, Baffles and Housings Therefor and Parts Thereof. Permo-flux Corporation, Chicago, Ill.
Filed Feb. 18, 1952, Serial No. 625,122. Published Oct. 28, 1952. Class 21.
- 570,328. Deodorizing Fluid for Use in Drip Machines for Urinals and Water Closets. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,149. Published Oct. 28, 1952. Class 6.
- 570,329. Vodka. G. F. Henklein & Bro., Inc., Hartford, Conn.
Filed Feb. 19, 1952, Serial No. 625,202. Published Oct. 28, 1952. Class 40.
- 570,330. Silent, Electrical, Vehicular Passing Signal Used To Designate a Safe or Unsafe Passing Time. Paul E. Tegarden, Indianapolis, Ind.
Filed Feb. 20, 1952, Serial No. 625,305. Published Oct. 28, 1952. Class 21.
- 570,331. Garment Buttons. Clifton D. Lewis, doing business under the name The Button King, Hawthorne, N. J.
Filed Feb. 21, 1952, Serial No. 625,357. Published Nov. 4, 1952. Class 40.
- 570,332. Electrical Appliances—Namely, Radio Receiving Sets; Television Receiving Sets, Etc. Aldens, Inc., Chicago, Ill.
Filed Feb. 23, 1952, Serial No. 625,386. Published Oct. 28, 1952. Class 21.
- 570,333. Women's Hosiery. Constant, Inc., Milwaukee, Wis.
Filed Feb. 23, 1952, Serial No. 625,403. Published Nov. 18, 1952. Class 39.
- 570,334. Aperitif Wine. Julliard Fancy Foods Co., San Francisco, Calif.
Filed Feb. 25, 1952, Serial No. 625,477. Published Oct. 28, 1952. Class 47.
- 570,335. Wines. Colin Forbes & Co., Glasgow, Scotland.
Filed Feb. 12, 1952, Serial No. 625,564. Published Nov. 18, 1952. Class 47.
- 570,336. Scotch Whiskey. Colin Forbes & Co., Glasgow, Scotland.
Filed Feb. 12, 1952, Serial No. 625,565. Published Nov. 18, 1952. Class 49.
- 570,337. Mechanical Wheeled Spreaders for Seeding, Weeding, and Feeding. O. M. Scott & Sons Company, Marysville, Ohio.
Filed Feb. 27, 1952, Serial No. 625,636. Published Oct. 21, 1952. Class 23.
- 570,338. Snap Fasteners. S. H. Kress and Company, New York, N. Y.
Filed Feb. 28, 1952, Serial No. 625,677. Published Nov. 4, 1952. Class 40.
- 570,339. Topical Preparation for Relief of Minor Itching and Pain in Skin Conditions. American Cyanamid Company, New York, N. Y.
Filed Mar. 1, 1952, Serial No. 625,783. Published Nov. 18, 1952. Class 18.
- 570,340. Birds. Hartz Mountain Products, New York, N. Y.
Filed Mar. 1, 1952, Serial No. 625,800. Published Oct. 14, 1952. Class 1.
- 570,341. Nursing Aids—Namely, Fluid Ducts and Valves for Use in Nursing Bottles and Nursing Bottle Nipples. Braro Products, Chicago, Ill.
Filed Mar. 3, 1952, Serial No. 625,844. Published Oct. 14, 1952. Class 44.
- 570,342. Electrical Burglar Alarm Systems and Parts Thereof—Namely, Control Boxes, Switches, Sirens, Gongs, and Lamps. Harold A. Mears, doing business as Dual Electric Triple Alarm Co., Knoxville, Tenn.
Filed Mar. 3, 1952, Serial No. 625,858. Published Oct. 28, 1952. Class 21.

- 570,343. Dentures, Dental Plates, and Bridges. Roland M. Miller, doing business as Roe Miller Dental Laboratory, Cleveland, Ohio.
Filed Mar. 5, 1952, Serial No. 625,990. Published Oct. 14, 1952. Class 44.
- 570,344. Electric Sewing Machines and Parts Thereof. Price Vacuum Stores, Inc., Philadelphia, Pa.
Filed Mar. 5, 1952, Serial No. 626,002. Published Oct. 21, 1952. Class 23.
- 570,345. Bath Salts. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed Mar. 8, 1952, Serial No. 626,138. Published Oct. 14, 1952. Class 51.
- 570,346. Bath Salts. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed Mar. 8, 1952, Serial No. 626,139. Published Oct. 14, 1952. Class 51.
- 570,347. Rodenticides. Vineland Laboratories, Inc., Landis Township, Cumberland County, N. J.
Filed Mar. 12, 1952, Serial No. 626,354. Published Nov. 18, 1952. Class 6.
- 570,348. Ale and Porter. Molson's Brewery Limited, Montreal, Quebec, Canada.
Filed Mar. 13, 1952, Serial No. 626,399. Published Oct. 28, 1952. Class 48.
- 570,349. Ale and Porter. Molson's Brewery Limited, Montreal, Quebec, Canada.
Filed Mar. 13, 1952, Serial No. 626,401. Published Oct. 28, 1952. Class 48.
- 570,350. Quilted Linings and Quilted Interlinings Sold by the Yard. North American Textile Co., Inc., Boston, Mass.
Filed Mar. 17, 1952, Serial No. 626,588. Published Nov. 18, 1952. Class 42.
- 570,351. Storage Batteries, Electric Batteries, Electrically Actuated Christmas Tree Lights and Decorations, Etc. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed Mar. 18, 1952, Serial No. 626,616. Published Nov. 18, 1952. Class 21.
- 570,352. Quilted Mattress Pads and Protectors. National Sure-Fit Quilting Co., Inc., New York, N. Y.
Filed Mar. 18, 1952, Serial No. 626,634. Published Nov. 11, 1952. Class 42.
- 570,353. Plywood. United States Plywood Corporation, New York, N. Y.
Filed Mar. 18, 1952, Serial No. 626,648. Published Oct. 14, 1952. Class 12.
- 570,354. Marshmallow Cream. The Cremo Mfg. Co., Philadelphia, Pa.
Filed Mar. 19, 1952, Serial No. 626,657. Published Nov. 11, 1952. Class 46.
- 570,355. Hardwood Chips. Gobbler's Knob Hickory, Inc., Paris, Tenn.
Filed Mar. 20, 1952, Serial No. 626,739. Published Oct. 28, 1952. Class 1.
- 570,356. Chemical Composition Suitable for Use as an Air Entraining Agent in Concrete Containing a Light Weight Aggregate. Dewey and Almy Chemical Company, Cambridge, Mass.
Filed Mar. 22, 1952, Serial No. 626,864. Published Nov. 11, 1952. Class 6.
- 570,357. Baking Composition in Powdered Form Comprising Egg Yolk and Other Ingredients. The Holton Company, Inc., Chicago, Ill.
Filed Mar. 22, 1952, Serial No. 626,885. Published Nov. 11, 1952. Class 46.
- 570,358. Harmonicas. Wm. Kratt Co., Union, N. J.
Filed Mar. 24, 1952, Serial No. 626,944. Published Nov. 25, 1952. Class 36.
- 570,359. Harmonicas. Wm. Kratt Co., Union, N. J.
Filed Mar. 24, 1952, Serial No. 626,947. Published Nov. 25, 1952. Class 36.
- 570,360. Fungal Enzyme Supplementing Preparation for Use in Baking. Wallerstein Company, Inc., New York, N. Y.
Filed Mar. 24, 1952, Serial No. 626,971. Published Oct. 28, 1952. Class 46.
- 570,361. Paint, Varnish, Enamel, Oil, and Spirit Stain. C. A. Nash & Son, Inc., Norfolk, Va.
Filed Mar. 25, 1952, Serial No. 627,002. Published Nov. 4, 1952. Class 16.
- 570,362. Skimmed Milk (Partially Defatted Milk) Fortified With Vitamins A and D and Additional Milk Solids. Roberts Dairy Company, Omaha, Nebr.
Filed Mar. 26, 1952, Serial No. 627,086. Published Oct. 28, 1952. Class 46.
- 570,363. Vitamin Tablets Containing Calcium, Phosphorus, and Vitamin D. American Dietetics Company, Inc., Yonkers, N. Y.
Filed Mar. 27, 1952, Serial No. 627,106. Published Nov. 4, 1952. Class 18.
- 570,364. Fresh Tomatoes. Half Moon Fruit & Produce Co., doing business under the fictitious name and style of Kendale Farms, San Francisco, Calif.
Filed Mar. 27, 1952, Serial No. 627,129. Published Nov. 18, 1952. Class 46.
- 570,365. Water Softening and Water Conditioning Chemicals for Industrial, Laundry, Wet Cleaning, and Home Use. Calgon, Incorporated, Pittsburgh, Pa.
Filed Mar. 28, 1952, Serial No. 627,170. Published Nov. 11, 1952. Class 6.
- 570,366. Cotton Insecticide. Harold C. Coggins, doing business as Coy Gin Company, Coy, Ark.
Filed Mar. 28, 1952, Serial No. 627,172. Published Nov. 11, 1952. Class 6.
- 570,367. Perfume. Parfums Clro, Inc., New York, N. Y.
Filed Mar. 29, 1952, Serial No. 627,274. Published Oct. 14, 1952. Class 51.
- 570,368. Hygienic Deodorant in Liquid Form for Vaginal Douches. Roycemore Toilettries, Inc., Chicago, Ill.
Filed Mar. 29, 1952, Serial No. 627,276. Published Nov. 4, 1952. Class 18.
- 570,369. Paint, Varnish, and Enamel. Superior Paint and Varnish Corporation, Chicago, Ill.
Filed Mar. 29, 1952, Serial No. 627,284. Published Nov. 4, 1952. Class 16.
- 570,370. Wine. Georges Breuer, doing business under the name and style of Scholl & Hillebrand, Rudesheim-on-the-Rhine, Germany.
Filed Feb. 12, 1952, Serial No. 627,299. Published Nov. 4, 1952. Class 47.
- 570,371. Skin Lotion. Donfield Company, Inc., Syracuse, N. Y.
Filed Mar. 10, 1952, Serial No. 627,307. Published Oct. 14, 1952. Class 51.
- 570,372. Hosiery for Men, Women, and Children. S. D. Arrowood & Co. Incorporated, New York, N. Y.
Filed Apr. 1, 1952, Serial No. 627,373. Published Nov. 11, 1952. Class 39.
- 570,373. Ladies' Hosiery. M. K. M. Hosiery Mills, Inc., Boston, Mass.
Filed Apr. 3, 1952, Serial No. 627,518. Published Nov. 11, 1952. Class 39.
- 570,374. Decorative Tile Used for Aconatical Correction. The Celotex Corporation, Chicago, Ill.
Filed Apr. 5, 1952, Serial No. 627,624. Published Nov. 18, 1952. Class 12.
- 570,375. Weatherstripping and Dribak Strips—Namely, Weatherstrips Having a Dry Surface Coating Which Becomes Adhesive When Moistened. The Sponge Rubber Products Company, Shelton, Conn.
Filed Apr. 5, 1952, Serial No. 627,646. Published Nov. 18, 1952. Class 12.

- 570,376. Television Picture Tubes. Allied Electric Products, Inc., Irvington, N. J.
Filed Apr. 8, 1952, Serial No. 627,729. Published Nov. 4, 1952. Class 21.
- 570,377. Bituminous Resin Emulsion Thermal Plastic Coating. Service Industries, Philadelphia, Pa.
Filed Mar. 20, 1952, Serial No. 627,788. Published Nov. 4, 1952. Class 16.
- 570,378. Electrical Switches and Electric Lamp Sockets. The Arrow-Hart & Hegeman Electric Company, Hartford, Conn.
Filed Apr. 9, 1952, Serial No. 627,795. Published Nov. 4, 1952. Class 21.
- 570,379. Hose Composed Wholly or Principally of Rubber. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Apr. 9, 1952, Serial No. 627,814. Published Nov. 18, 1952. Class 35.
- 570,380. Wines. Vintage Wines, Inc., New York, N. Y.
Filed Apr. 9, 1952, Serial No. 627,831. Published Nov. 4, 1952. Class 47.
- 570,381. Fabric for Men's and Women's Suitings Made of Blended Synthetic Fibers. Mooreville Mills, Inc., Mooreville, N. C.
Filed Apr. 11, 1952, Serial No. 627,957. Published Nov. 18, 1952. Class 42.
- 570,382. Dolls. The Sun Rubber Company, Barberton, Ohio.
Filed Apr. 11, 1952, Serial No. 627,981. Published Nov. 25, 1952. Class 22.
- 570,383. Dolls. The Sun Rubber Company, Barberton, Ohio.
Filed Apr. 11, 1952, Serial No. 627,982. Published Nov. 25, 1952. Class 22.
- 570,384. Electric Igniters for Fuel Burners, Electric Switches, and Valves Operated by an Electromagnet. Robertshaw-Fulton Controls Company, Greensburg, Pa.
Filed Apr. 12, 1952, Serial No. 628,009. Published Nov. 4, 1952. Class 21.
- 570,385. Form-Ties for Use in Concrete Construction Work. Universal Form Clamp Co., Chicago, Ill.
Filed Apr. 19, 1952, Serial No. 628,375. Published Nov. 25, 1952. Class 12.
- 570,386. Form-Ties Particularly Adapted for Use in Concrete Construction Work. Universal Form Clamp Co., Chicago, Ill.
Filed Apr. 19, 1952, Serial No. 628,377. Published Nov. 18, 1952. Class 12.
- 570,387. Universal Joints. Republic Gear Company, Detroit, Mich.
Filed Apr. 21, 1952, Serial No. 628,428. Published Oct. 28, 1952. Class 23.
- 570,388. Fungus Preparation for the Prevention and Treatment of All Types of Fungus Diseases Common to Chlorellas. Robert J. Wilkison, doing business as Wilkison's Products Company, Escanaba, Mich.
Filed Apr. 22, 1952, Serial No. 628,513. Published Nov. 18, 1952. Class 18.
- 570,389. Candy. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed Apr. 24, 1952, Serial No. 628,624. Published Nov. 18, 1952. Class 46.
- 570,390. Fence Anchors and Sheet Metal Strips for Anchoring and Retaining Railroad Spikes in Railroad Ties. Brice E. Hayes, doing business as The Brice Hayes Co., Chicago, Ill.
Filed Apr. 24, 1952, Serial No. 628,625. Published Nov. 4, 1952. Class 13.
- 570,391. Canned Sea Foods—Namely, Canned Clams, Canned Crab, Canned Salmon, Canned Tuna. New England Fish Company, Seattle, Wash.
Filed Apr. 26, 1952, Serial No. 628,775. Published Nov. 18, 1952. Class 46.
- 570,392. Corsets, Girdles, Brassières, Foundation Garments, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 26, 1952, Serial No. 628,781. Published Nov. 11, 1952. Class 39.
- 570,393. Hinges, Escutcheons, Door Handles, Door Checks, Door Hold Open Devices, and Window Operators, and Parts Thereof. General Motors Corporation, Detroit, Mich.
Filed Apr. 30, 1952, Serial No. 628,935. Published Nov. 4, 1952. Class 13.
- 570,394. Piece Goods, Including Flannel, Gabardine, Woven, Netted, and Knitted Fabrics, of Wool, Cotton, Silk, Linen, and Synthetic Fibers; Elastic Webbing; and Blankets. Bernhard Altmann, New York, N. Y.
Filed May 1, 1952, Serial No. 628,981. Published Nov. 11, 1952. Class 42.
- 570,395. Ladies' and Children's Blouses. L. Brod Company, Philadelphia, Pa.
Filed May 1, 1952, Serial No. 628,995. Published Nov. 11, 1952. Class 39.
- 570,396. Thread and Yarn. Inventa A. G., Lucerne, Switzerland.
Filed May 3, 1952, Serial No. 629,167. Published Nov. 11, 1952. Class 43.
- 570,397. Thread and Yarn. Inventa A. G., Lucerne, Switzerland.
Filed May 3, 1952, Serial No. 629,169. Published Nov. 11, 1952. Class 43.
- 570,398. Piece Goods Composed of Wool and Cotton. Notany Mills, Inc., Passaic, N. J.
Filed May 8, 1952, Serial No. 629,346. Published Nov. 18, 1952. Class 42.
- 570,399. Synthetic Resinous Adhesives for Bonding Metals, Glass, Ceramics, Plastics, and/or Other Materials. Ciba Limited, Basel, Switzerland.
Filed May 8, 1952, Serial No. 629,350. Published Nov. 11, 1952. Class 5.
- 570,400. Photographic Developer. Mallinckrodt Chemical Works, St. Louis, Mo.
Filed May 9, 1952, Serial No. 629,442. Published Nov. 11, 1952. Class 6.
- 570,401. Low Contrast Photographic Developer. Mallinckrodt Chemical Works, St. Louis, Mo.
Filed May 9, 1952, Serial No. 629,443. Published Nov. 11, 1952. Class 6.
- 570,402. Roach Exterminator. Earl Griesmer Co., Indianapolis, Ind.
Filed May 10, 1952, Serial No. 629,480. Published Nov. 11, 1952. Class 6.
- 570,403. Plastic Pipe. Crescent Plastics, Inc., Evansville, Ind.
Filed May 14, 1952, Serial No. 629,653. Published Nov. 11, 1952. Class 13.
- 570,404. Synthetic Resins. Shell Chemical Corporation, New York, N. Y.
Filed May 16, 1952, Serial No. 629,822. Published Nov. 18, 1952. Class 6.
- 570,405. Thermoplastic and Thermosetting Plastics. Algemene Kunstzijde Unie N. V., Arnhem, Netherlands.
Filed May 19, 1952, Serial No. 629,881. Published Nov. 11, 1952. Class 6.
- 570,406. Insecticides and Fungicides in the Form of Sprays and Dusting Powders. The Farm Bureau Cooperative Association, Inc., Columbus, Ohio.
Filed May 17, 1952, Serial No. 630,297. Published Nov. 18, 1952. Class 6.
- 570,407. Conditionlog Media for Lubricating, Sliding, and Dressing Yarns, Threads, and Filaments. American Viscose Corporation, Philadelphia, Pa.
Filed May 28, 1952, Serial No. 630,374. Published Nov. 18, 1952. Class 6.

- 570,408. Color Pigments for Use in the Manufacture of Paints and Inks. United Wallpaper, Inc., Chicago, Ill.
Filed May 28, 1952, Serial No. 630,460. Published Nov. 18, 1952. Class 6.
- 570,409. Color Pigments for Use in the Manufacture of Paints and Inks. United Wallpaper, Inc., Chicago, Ill.
Filed May 28, 1952, Serial No. 630,461. Published Nov. 18, 1952. Class 6.
- 570,410. Color Pigments for Use in the Manufacture of Paints and Inks. United Wallpaper, Inc., Chicago, Ill.
Filed May 28, 1952, Serial No. 630,462. Published Nov. 18, 1952. Class 6.
- 570,411. Fresh Vegetables. Van De Walle & Sons, San Antonio, Tex.
Filed June 10, 1952, Serial No. 631,029. Published Nov. 18, 1952. Class 46.
- 570,412. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J.
Filed June 18, 1952, Serial No. 631,349. Published Nov. 18, 1952. Class 42.
- 570,413. Textile Fabrics of Rayon, Nylon, or Mixtures Thereof. Wonder Maid, Inc., St. Louis, Mo.
Filed June 19, 1952, Serial No. 631,454. Published Nov. 18, 1952. Class 42.
- 570,414. Piece Goods Composed of Wool and Nylon. Botany Mills, Inc., Passaic, N. J.
Filed June 21, 1952, Serial No. 631,536. Published Nov. 18, 1952. Class 42.
- 570,415. Pile Salve. Edward Thibedaux, Houston, Tex.
Filed July 11, 1952, Serial No. 632,457. Published Nov. 18, 1952. Class 18.
- 570,416. Medical Preparation in Tablet and Capsule Form for Use in Treatment of Headache, Neuralgia, Migraine, Dysmenorrhea, Influenza, and Similar Affections. Drug Specialties, Inc., Winston-Salem, N. C.
Filed July 14, 1952, Serial No. 632,510. Published Nov. 18, 1952. Class 18.
- 570,417. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed July 15, 1952, Serial No. 632,550. Published Nov. 18, 1952. Class 6.
- 570,418. Adrenocorticotrophic Hormone Preparation. George A. Breon & Company, New York, N. Y.
Filed July 16, 1952, Serial No. 632,601. Published Nov. 18, 1952. Class 18.
- 570,419. Medicinal Antacid Preparation. Organon Inc., Orange, N. J.
Filed July 21, 1952, Serial No. 632,846. Published Nov. 18, 1952. Class 18.
- 570,420. Miticide and a Water Dispersible Residual Miticide. United Chemical Company, Richmond, Calif.
Filed July 25, 1952, Serial No. 633,093. Published Nov. 18, 1952. Class 6.
- 570,421. Brooms. Clover Farm Stores Corporation, Cleveland, Ohio.
Filed Aug. 5, 1952, Serial No. 633,490. Published Nov. 11, 1952. Class 29.
- 570,422. Product for Chemically Caponizing and Tenderizing Poultry. American Scientific Laboratories, Inc., Madison, Wis.
Filed Aug. 11, 1952, Serial No. 633,703. Published Nov. 25, 1952. Class 18.
- 570,423. Muscle Relaxant Preparation. A. H. Robins Company, Inc., Richmond, Va.
Filed Aug. 18, 1952, Serial No. 634,118. Published Nov. 4, 1952. Class 18.
- 570,424. Preparation for the Treatment of Poultry Diseases, Especially for the Treatment of Chronic Respiratory Disease in Chicken Flocks. Dr. Salisbury's Laboratories, Charles City, Iowa.
Filed Aug. 18, 1952, Serial No. 634,120. Published Nov. 18, 1952. Class 18.
- 570,425. Antibiotic Preparation. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia.
Filed Aug. 22, 1952, Serial No. 634,351. Published Nov. 18, 1952. Class 18.
- 570,426. Adhesives—Namely, Protein Base Adhesives, Rubber Base Adhesives, Resin Base Adhesives, and Inorganic Base Adhesives, and Adhesive Tapes. Behr-Manning Corporation, Troy, N. Y.
Filed Sept. 8, 1952, Serial No. 634,506. Published Nov. 11, 1952. Class 5.
- 570,427. Pharmaceutical Product, One of Whose Active Ingredients is a Sedative. Schenley Laboratories, Inc., New York, N. Y.
Filed Aug. 29, 1952, Serial No. 634,660. Published Nov. 25, 1952. Class 18.
- 570,428. Pharmaceutical Product, One of Whose Active Ingredients is a Sedative. Schenley Laboratories, Inc., New York, N. Y.
Filed Aug. 29, 1952, Serial No. 634,661. Published Nov. 25, 1952. Class 18.
- 570,429. Polyvalent Vaccine Consisting of Bacteriological Proteins for the Treatment of Rheumatism. G. Streuli & Co., Uznach, Switzerland.
Filed Sept. 3, 1952, Serial No. 634,811. Published Nov. 18, 1952. Class 18.
- 570,430. Antibiotic Preparation. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia.
Filed Sept. 4, 1952, Serial No. 634,860. Published Nov. 18, 1952. Class 18.
- 570,431. Penicillin G Procaine in Aqueous Suspension for Veterinary Use. Abbott Laboratories, North Chicago, Ill.
Filed Sept. 8, 1952, Serial No. 634,959. Published Nov. 18, 1952. Class 18.
- 570,432. Calcium Gluconate-Lactate Solution for the Treatment of Milk Fever in Cows. Abbott Laboratories, North Chicago, Ill.
Filed Sept. 8, 1952, Serial No. 634,960. Published Nov. 18, 1952. Class 18.
- 570,433. Concentrated Multiple Vitamin Preparation in Liquid Form, Intended for Oral Administration in the Treatment or Prevention of Certain Nutritional Disorders. Abbott Laboratories, North Chicago, Ill.
Filed Sept. 8, 1952, Serial No. 634,961. Published Nov. 18, 1952. Class 18.
- 570,434. Cough Syrup. Bristol Laboratories Inc., New York and Syracuse, N. Y.
Filed Sept. 9, 1952, Serial No. 635,023. Published Nov. 18, 1952. Class 18.
- 570,435. Preparation for the Treatment of Swine, Especially for the Control of Swine Dysentery and Growth Stimulation of Swine. Dr. Salisbury's Laboratories, Charles City, Iowa.
Filed Sept. 11, 1952, Serial No. 635,150. Published Nov. 25, 1952. Class 18.
- 570,436. Diagnostic Agent. Schering Corporation, Bloomfield, N. J.
Filed Sept. 13, 1952, Serial No. 635,238. Published Nov. 25, 1952. Class 18.
- 570,437. Cholecystographic Drug. Schering Corporation, Bloomfield, N. J.
Filed Sept. 13, 1952, Serial No. 635,239. Published Nov. 25, 1952. Class 18.

Service Marks

- 570,438. Entertainment Services in the Nature of an Aquatic Theatrical Performance and Spectacle. Billy Rose, New York, N. Y. Filed Aug. 27, 1947, Serial No. 532,630. Published Nov. 18, 1952. Class 107.
- 570,439. Cleaning Spark Plugs, Changing and Repairing Tires and Tubes, Polishing Automobiles, and Cleaning Air Filters, All as Performed on Automobiles at Gasoline Vending Stations by Attendants. Union Oil Company of California, Los Angeles, Calif. Filed Sept. 22, 1947, Serial No. 535,276. Published Nov. 27, 1951. Class 103.
- 570,440. General Fraternal Service Among Women College Students—Namely, Installation of College Chapters for Housing and Feeding Women College Students, Etc. Sigma Delta Tau Society, Winnetka, Ill. Filed Mar. 27, 1948, Serial No. 533,221. Published Nov. 18, 1952. Class 100.
- 570,441. Selling Advertising Time on Radio Broadcasting Stations Affiliated With the Applicant, Etc. Keystone Broadcasting System, Inc., Chicago, Ill. Filed July 6, 1950, Serial No. 600,288. Published Oct. 21, 1952. Class 101.

- 570,442. Transportation of Persons, Property, and Mail by Airplane. Lake Central Airlines, Inc., Indianapolis, Ind. Filed Mar. 28, 1951, Serial No. 611,904. Published Nov. 18, 1952. Class 105.
- 570,443. Making Engineering Surveys for All or Part of Proposed Industrial Plants in the Field of Manufacture, Fabrication or Treatment of Metals, Etc. Koppers Company, Inc., Pittsburgh, Pa. Filed Jan. 17, 1952, Serial No. 623,714. Published Nov. 18, 1952. Class 100.
- 570,444. Insuring of Purchasers of Fire, Marine, Motor Vehicle, Aircraft, and Casualty Policies, Etc. Fire Association of Philadelphia, Philadelphia, Pa. Filed Mar. 29, 1952, Serial No. 628,083. Published Nov. 11, 1952. Class 102.

Collective Mark

- 570,445. Natural Flowers and Plants. Florists' Telegraph Delivery Association, Detroit, Mich. Filed Feb. 7, 1949, Serial No. 573,417. Published Nov. 4, 1952. Class 1.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

- 570,446. (Class 46. Foods and Ingredients of Foods.) Flavor Corporation of America, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 19, 1947; amended to application, Supplemental Register, Mar. 20, 1951, Serial No. 535,015.
- 570,448. (Class 12. Construction Materials.) Protective Papers, Inc., Union, Ill. Original filed, act of 1946, Principal Register, Oct. 9, 1947; amended to application, Supplemental Register, Sept. 12, 1952, Serial No. 537,357.

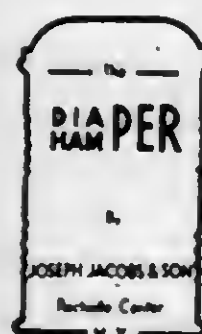


"STORM BLANKET"

For Flavoring Extracts for Foods.
Claims use since Aug. 15, 1946.

For Aluminum Foil Laminated to One Side or Both Sides of a Genuine Kraft Paper or an Imitation Kraft Paper and Also Where Aluminum Foil Is Laminated to Either a Genuine Kraft Paper or an Imitation Kraft Paper Where the Opposite Side Is Aluminum Pigment Coated for Use as Insulation and/or Vapor Barrier.
Claims use since Aug. 20, 1947.

- 570,447. (Class 2. Receptacles.) Joseph Jacobs & Son, Rockville Centre, N. Y. Original filed, act of 1946, Principal Register, Oct. 8, 1947; amended to application, Supplemental Register, June 20, 1952, Serial No. 537,195.

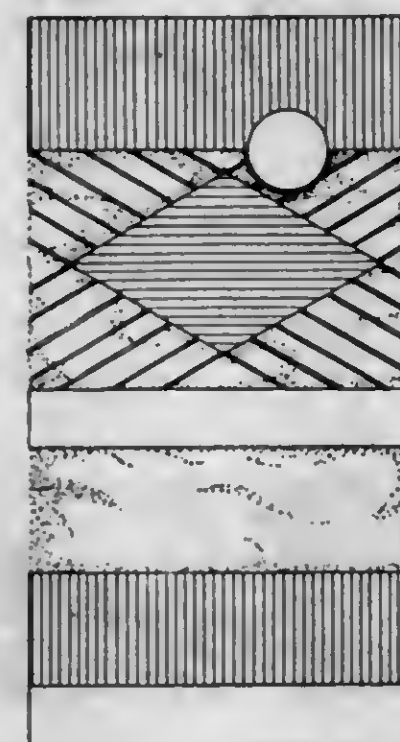


WASHINGTON

For Box for Diapers.
Claims use since Nov. 13, 1946.

For Canned Salmon, Crabmeat, Tuna, Shad, and Rockfish Flakes.
Claims use since 1935.

- 570,450. (Class 46. Foods and Ingredients of Foods.) Ernest J. Evans, doing business as West Los Angeles Milling Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Apr. 27, 1948; amended to application, Supplemental Register, May 22, 1952, Serial No. 535,396.
- 570,453. (Class 51. Cosmetics and Toilet Preparations.) The Kanco Company, Kankakee, Ill. Original filed, act of 1946, Principal Register, Jan. 10, 1950; amended to application, Supplemental Register, Feb. 6, 1952, Serial No. 590,601.



The drawing is lined to represent the colors red and blue, and stippled shading is used to represent the transparent background and to distinguish this transparent portion from the unshaded and unlined portions which are white.
For Dried Beans, Lima Beans, Peas, and Garbanzos.
Claims use since Sept. 19, 1947.

- 570,451. (Class 12. Construction Materials.) American Fluoresit Company, Inc., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, May 26, 1948; amended to application, Supplemental Register, Nov. 6, 1952, Serial No. 557,816.

Tub-tite

For Plastic Resinous Composition for Caulking Joints and Crevices Around Plumbing Fixtures, Bath and Wall Tile, Kitchen Sinks, and Similar Structures.
Claims use since Mar. 15, 1948.

- 570,452. (Class 18. Medicines and Pharmaceutical Preparations.) H. A. Uhlaender & Company, doing business under the name Collignon Laboratories, McAllen, Tex. Original filed, act of 1946, Principal Register, Oct. 21, 1948; amended to application, Supplemental Register, May 6, 1952, Serial No. 567,440.

MARS

For Mineral Oil, Castor Oil, Olive Oil, Sweet Oil, Turpentine, Glycerine, Boric Acid, Peroxide, Petroleum Jelly, Alum and Sulphur, All for Medicinal Purposes; Isopropyl Alcohol Compound; Citrate of Magnesia; Camphorated Oil; Lighter Fluid, and Epsom Salts.
Claims use since Sept. 15, 1947.

- 570,454. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Evans Case Co., North Attleboro, Mass. Original filed, act of 1946, Principal Register, Feb. 4, 1950; amended to application, Supplemental Register, Jan. 2, 1952, Serial No. 591,982.

Grapee

For Hair Waving Lotion.
Claims use since June 29, 1949.

Evans
is elegance

Applicant claims ownership of Registration No. 500,850. For Handbags and Flitted Handbags.
Claims use since January 1948.

- 570,455. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Powers Regulator Company, Skokie, Ill. Original filed, act of 1946, Principal Register, Feb. 21, 1950; amended to application, Supplemental Register, Dec. 6, 1952, Serial No. 592,840.

FLOWRITE

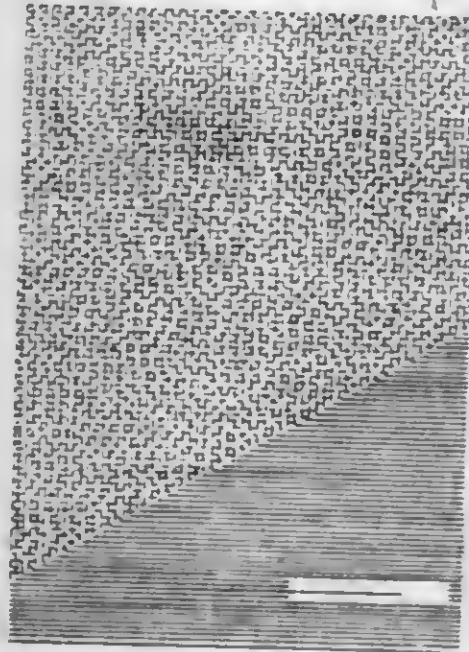
For Control Valves, for Controlling Fluids and Gases, for Heating and Air Conditioning Systems, Water Heaters, and Industrial Processes.
Claims use since Jan. 3, 1950.

- 570,456. (Class 37. Paper and Stationery.) United Wallpaper, Inc., Chicago, Ill. Filed Mar. 21, 1950, Serial No. 595,040.

WAL-FELT

For Decorative Insulation for Walls and Ceilings in the Nature of Wall Paper, Consisting of Heavy Course Paper Supplied in Sheets or Rolls, One Side of Which is Decorated To Serve as a Finished Surface.
Claims use since Nov. 14, 1947.

570,457. (Class 39. Clothing.) The Craft Company, Jackson, Miss. Original filed, act of 1946, Principal Register, Apr. 27, 1950; amended to application, Supplemental Register, Feb. 1, 1952, Serial No. 596,393.



For Ladies' Hostery.
Claims use since Nov. 1, 1949.

570,458. (Class 46. Foods and Ingredients of Foods.) Redi-Spuds Incorporated, Bell, Calif. Original filed, act of 1946, Principal Register, June 28, 1950; amended to application, Supplemental Register, Aug. 8, 1951, Serial No. 599,899.



No claim is made to the word "Spuds" apart from the mark as shown on the drawing.
For Cut, Processed and Ready Peeled Potatoes.
Claims use since May 17, 1947.

570,459. (Class 37. Paper and Stationery.) Paper Art Company, Inc., Indianapolis, Ind. Original filed, act of 1946, Principal Register, July 19, 1950; amended to application, Supplemental Register, Aug. 1, 1951, Serial No. 600,908.



The lining represents red. The words "Veri Soft Napkins" are disclaimed apart from the mark as shown.
For Paper Napkins.
Claims use since Dec. 1, 1949.

570,460. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Veta D. Hogan, Seattle, Wash. Original filed, act of 1946, Principal Register, Sept. 23, 1950; amended to application, Supplemental Register, Oct. 25, 1952, Serial No. 603,926.

LYNN PURSE PAK

For Compartmented Insert for Women's Handbags.
Claims use since Dec. 15, 1949.

570,461. (Class 7. Cordage.) Maryland Fine & Specialty Wire Company, Inc., Cockeysville, Md. Original filed, act of 1946, Principal Register, Oct. 30, 1950; amended to application, Supplemental Register, Apr. 21, 1952, Serial No. 605,399.



For Enameled Covered Wire Used for General Tying and Binding Purposes.
Claims use since Mar. 14, 1950.

570,462. (Class 18. Medicines and Pharmaceutical Preparations.) San Francisco Drug Co., Incorporated, San Francisco, Calif. Original filed, act of 1946, Principal Register, Dec. 27, 1950; amended to application, Supplemental Register, Dec. 6, 1951, Serial No. 608,128.



For Sedative Tablets.
Claims use since Nov. 15, 1950.

570,463. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Frederick Crosston, doing business as Crosston Co., Long Island City, N. Y. Original filed, act of 1946, Principal Register, Dec. 28, 1950; amended to application, Supplemental Register, Oct. 18, 1952, Serial No. 608,150.



For Cases Made of Leather Sold Empty in Trade and for Holding Manicure Instruments and Cosmetic Accessories.
Claims use since August 1950.

570,464. (Class 12. Construction Materials.) American Fluoresit Company, Inc., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Jan. 12, 1951; amended to application, Supplemental Register, Oct. 24, 1952, Serial No. 608,693.

WINTER-SET

The word "Set" is disclaimed apart from the mark as shown.

For Anti-Freeze Accelerator, Denatifier, and Hardener for Hydraulic Cement, Such as Portland Cement, Cement and Lime Mortar, Concrete Gypsum Plaster, and the Like.
Claims use since Sept. 15, 1949.

570,465. (Class 36. Musical Instruments and Supplies.) Arnold Brihlart, Huntington, N. Y. Original filed, act of 1946, Principal Register, Mar. 13, 1951; amended to application, Supplemental Register, Nov. 26, 1952, Serial No. 611,215.



For Mouthpieces for Wind Musical Instruments.
Claims use since Feb. 23, 1951.

570,466. (Class 39. Clothing.) S. Appel & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 23, 1951; amended to application, Supplemental Register, Nov. 1, 1952, Serial No. 612,989.

FLATOPS

For Caps for Men and Women.
Claims use since Jan. 2, 1950.

570,467. (Class 12. Construction Materials.) Forman, Ford and Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, May 5, 1951; amended to application, Supplemental Register, May 19, 1952, Serial No. 613,564.



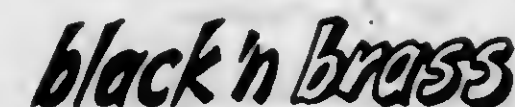
For Silicon Plastic Joint and Crack Filler.
Claims use since Jan. 5, 1951.

570,468. (Class 51. Cosmetics and Toilet Preparations.) A. M. Berman, doing business as A. M. Berman Co., Boston, Mass. Original filed, act of 1946, Principal Register, July 24, 1951; amended to application, Supplemental Register, Oct. 17, 1952, Serial No. 616,843.



For Men's Toiletary in the Form of a Cream-Like Preparation, Used To Conceal Beard Growth and Cover Skin Blemishes.
Claims use since June 5, 1951.

570,469. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Kathi Urbach, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 3, 1951; amended to application, Supplemental Register, July 7, 1952, Serial No. 617,328.



For Ornamental Candle Holders, Sconces, and Candelabra, Candle Holders in Combination With Epergnes, Candle Holders in Combination With Plant Holders, and Candle Holders in Combination With Bowls.
Claims use since May 16, 1951.

570,470. (Class 21. Electrical Apparatus, Machines, and Supplies.) Wilkor Products, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Aug. 7, 1951; amended to application, Supplemental Register, Nov. 5, 1952, Serial No. 617,426.

BORO - CARBOFILM

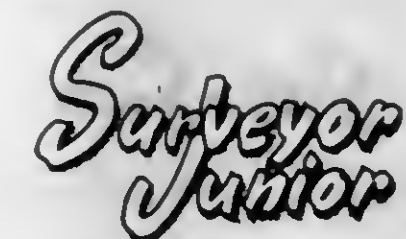
For Electrical Resistance Units and Parts Thereof.
Claims use since Mar. 1, 1951.

570,471. (Class 21. Electrical Apparatus, Machines, and Supplies.) Wilkor Products, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Aug. 14, 1951; amended to application, Supplemental Register, Nov. 5, 1952, Serial No. 617,689.

BOROFILM

For Electrical Resistance Units and Parts Thereof.
Claims use since March 1951.

570,472. (Class 22. Games, Toys, and Sporting Goods.) The Porter Company, Bakersfield, Calif. Original filed, act of 1946, Principal Register, Mar. 1, 1951; amended to application, Supplemental Register, Apr. 1, 1952, Serial No. 619,770.



For Toy Surveying Instruments.
Claims use since Mar. 1, 1951.

570,473. (Class 38. Prints and Publications.) American Psychiatric Association, Washington, D. C. Original filed, act of 1946, Principal Register, Oct. 12, 1951; amended to application, Supplemental Register, Sept. 26, 1952, Serial No. 620,077.



For Monthly Publication.
Claims use since Sept. 19, 1951.

570,474. (Class 12. Construction Materials.) Pacific Tile and Porcelain Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Oct. 19, 1951; amended to application, Supplemental Register, Oct. 9, 1952, Serial No. 620,226.

KRYSTAL-GLAZE

For Floor Tile.
Claims use since January 1951.

570,475. (Class 32. Furniture and Upholstery.) Lerch Industries, Inc., Columbus, Ohio. Original filed, act of 1946, Principal Register, Nov. 14, 1951; amended to application, Supplemental Register, Oct. 23, 1952, Serial No. 621,214.



For Living Room Furniture—Namely, Upholstered Chairs, Davenports, Benches, and Footstools.
Claims use since Aug. 15, 1951.

570,476. (Class 32. Furniture and Upholstery.) Southern Spring Bed Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Nov. 14, 1951; amended to application, Supplemental Register, Oct. 22, 1952, Serial No. 621,230.

"PACKAWAY"

For Couches.
Claims use since Sept. 24, 1951.

570,477. (Class 32. Furniture and Upholstery.) David Babbit, Mount Vernon, N. Y. Original filed, act of 1946, Principal Register, Nov. 15, 1951; amended to application, Supplemental Register, Oct. 21, 1952, Serial No. 621,250.

Stak-o-Seats

For Hampocks Composed of Stacked Seat Units.
Claims use since Oct. 2, 1951.

570,478. (Class 37. Paper and Stationery.) Joseph Dixon Crucible Company, Jersey City, N. J. Filed Nov. 15, 1951, Serial No. 621,260.

Leadfast

For Lead Pencils.
Claims use since Nov. 1, 1950.

570,479. (Class 32. Furniture and Upholstery.) Shifman Bros., Newark, N. J. Original filed, act of 1946, Principal Register, Nov. 24, 1951; amended to application, Supplemental Register, Nov. 8, 1952, Serial No. 621,636.

ALL-AMERICAN

For Mattresses.
Claims use since Oct. 25, 1951.

570,480. (Class 46. Foods and Ingredients of Foods.) Clark Brothers Chewing Gum Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Dec. 4, 1951; amended to application, Supplemental Register, Aug. 14, 1952, Serial No. 622,067.

FRESHMINT

For Chewing Gum.
Claims use since Apr. 1, 1951.

570,481. (Class 39. Clothing.) Hardwick Woolen Mills, Inc., Cleveland, Tenn. Original filed, act of 1946, Principal Register, Dec. 20, 1951; amended to application, Supplemental Register, Nov. 4, 1952, Serial No. 622,716.

GEORGETOWN

For Men's, Students', Cadets', and Boys' Suits, Topcoats, Slacks, and Sport Coats.
Claims use since Oct. 25, 1951.

570,482. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Nu-Way Builders Corp., North Hollywood, Calif. Original filed, act of 1946, Principal Register, Mar. 3, 1952; amended to application, Supplemental Register, Oct. 28, 1952, Serial No. 623,997.

NUDOR

For Sliding Door Hardware—Namely, Hangers and Guides.
Claims use since on or about July 1, 1948.

570,483. (Class 12. Construction Materials.) The Flint-Kote Company, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 18, 1952; amended to application, Supplemental Register, Sept. 25, 1952, Serial No. 626,622.

SHURLOK

For Roofing Shingles.
Claims use since June 13, 1949.

570,484. (Class 39. Clothing.) McGreevey, Werring & Howell, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 22, 1952; amended to application, Supplemental Register, Nov. 26, 1952, Serial No. 626,893.

Mc GREEVEY

For Men's Outer Shirts.
Claims use since September 1951.

570,485. (Class 39. Clothing.) California Smarty's, Los Angeles, Calif. Filed Apr. 10, 1952, Serial No. 628,141.

**TALL FASHIONS
OF CALIFORNIA**

For Ladies' and Misses' Wearing Apparel—Namely, Coats, Suits, Sweaters, Blouses, Jackets, Dresses, and Skirts.
Claims use since Nov. 30, 1950.

570,486. (Class 15. Oils and Greases.) Glenn Marvin Howell, doing business as Save Oil Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, May 1, 1952; amended to application, Supplemental Register, Nov. 4, 1952, Serial No. 629,019.

SAVE

For Gasoline.
Claims use since Apr. 1, 1951.

570,487. (Class 38. Prints and Publications.) Chasold Publishing Co., Chicago, Ill. Original filed, act of 1946, Principal Register, May 19, 1952; amended to application, Supplemental Register, Nov. 4, 1952, Serial No. 629,886.

BAKING INDUSTRY

Applicant claims ownership of Registration No. 254,282. For Magazine.
Claims use since Aug. 24, 1951.

570,488. (Class 38. Prints and Publications.) State Publishing Company, Inc., Charleston, W. Va. Original filed, act of 1946, Principal Register, May 28, 1952; amended to application, Supplemental Register, Nov. 18, 1952, Serial No. 630,456.

West Virginia
State
MAGAZINE

For Monthly Publication.
Claims use since November 1949.

570,489. (Class 39. Clothing.) I. Schneiterson & Sons, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 18, 1952; amended to application, Supplemental Register, Nov. 28, 1952, Serial No. 631,378.

Tru-size

For Ladies' and Children's Slips of a Textile Fabric.
Claims use since Nov. 19, 1951.

570,490. (Class 17. Tobacco Products.) P. Lorillard Company, New York, N. Y. Filed July 16, 1952, Serial No. 632,622.



Applicant claims ownership of Registrations Nos. 238,664 and 505,017.
For Cigarettes.
Claims use since Mar. 8, 1951.

570,491. (Class 39. Clothing.) Skylon Corporation, New York, N. Y. Filed July 16, 1952, Serial No. 632,630.

Wintercrepe Challis

For Ladies' and Misses' Nightgowns and Pajamas.
Claims use since May 14, 1951.

570,492. (Class 12. Construction Materials.) Hammon-tree Brothers Lumber Company, Chattanooga, Tenn. Filed July 26, 1952, Serial No. 633,107.

E-Z LIFT

For Window Units.
Claims use since April 1951.

570,493. (Class 12. Construction Materials.) Plastcrete Corporation, Hamden, Conn. Filed Oct. 11, 1952, Serial No. 636,537.

SPECIFY FIRE-SAFE
Plastcrete
to be sure!

For Articles of Cementitious Material—Namely, Wall Blocks, Floor and Roof Beams, Lintels, Steps, Splash Blocks, and Flagstones.
Claims use since on or about Sept. 1, 1951.

Service Marks

570,494. (Class 101. Advertising and Business.) Flanley and Woodward, New York, N. Y. Original filed, act of 1946, Principal Register, June 9, 1948; amended to application, Supplemental Register, May 23, 1952, Serial No. 558,783.

The
**WOMAN'S
ANGLE**

For Counseling on Public Relations Policies and Programs, Preparing Public Relations Literature, Handling Publicity and Press Relations, Preparing Radio Scripts, Conducting Polls and Surveys, Planning and Supervising Special Promotions, Preliminary Preference Tests and Publicity Functions All in Connection With the Marketing and Sales Promotion of Commercial Products and Services.
Claims use since Mar. 29, 1944.

570,495. (Class 100. Miscellaneous.) National Sprayer & Duster Association, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 30, 1949; amended to application, Supplemental Register, Jan. 26, 1952, Serial No. 590,176.



For Informational Service as to the Latest Advancements in the Trade; Trade Problems; Legislation of Interest to the Trade.
Claims use since Nov. 16, 1949.

TRADE-MARK REGISTRATIONS RENEWED

- 39,227. STORK. Registered Nov. 11, 1902. Arthur L. Sweetser, Boston, Mass. Re-renewed Nov. 11, 1952, to The Stork Company, Weymouth, Mass., a corporation of Massachusetts. Antiseptic Waterproof Sheetting, Diapers, and Waterproof Undergarments. Class 42.
- 39,326. "ARGYROL" ETC. AND DESIGN. Registered Nov. 18, 1902. Albert C. Barnes, Philadelphia, Pa. Re-renewed Nov. 18, 1952, to A. C. Barnes Company, Inc., New York, N. Y., a corporation of Delaware. Silver Vitellin Used for Medicinal Purposes. Class 18.
- 89,947. "AMIDON ROYAL DE RIZ" ETC. AND REPRESENTATION OF LION'S FACE. Registered June 11, 1912. Société Anonyme des Usines Remy, Wilmans, Belgium, a stock company organized under the laws of Belgium. Re-renewed June 11, 1952. Starch for Laundry Purposes. Class 6.
- 88,727. "B" AND DRAWING. Registered Oct. 22, 1912. Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware. Re-renewed Oct. 22, 1952. Book-Cloths. Class 42.
- 88,728. "BANCROFT'S" AND DESIGN. Registered Oct. 22, 1912. Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware. Re-renewed Oct. 22, 1952. Window-Shade Fabrics. Class 42.
- 89,242. "VIKING" AND DRAWING. Registered Dec. 3, 1912. Fisher Bros. Paper Company, Fort Wayne, Ind., a corporation of Indiana. Re-renewed Dec. 3, 1952. Wrapping-Paper. Class 37.
- 89,727. ROBINOL. Registered Dec. 31, 1912. John Wyeth & Brother, Incorporated. Re-renewed Dec. 31, 1952, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Medicinal Preparation for the Treatment of Anemia, Chlorosis, Scurvy, Etc. Class 18.
- 89,901. REPRESENTATION OF WATER RUNNING FROM SPOUT INTO BASIN. Registered Jan. 21, 1913. The Spool Cotton Company, Newark, N. J., and New York, N. Y. Re-renewed Jan. 21, 1953, to The Clark Thread Company, Inc., Clarkdale, Ga., a corporation of Delaware. Thread. Class 43.
- 90,171. BAKO. Registered Feb. 11, 1913. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Re-renewed Feb. 11, 1953. Fruit Jelly. Class 46.
- 91,070. TEXAS TOMMY. Registered Apr. 15, 1913. Cardinal Candy Co. Re-renewed Apr. 15, 1953, to Cardinal Candy Company, Inc., Oakland, Calif., a corporation of California. Candy. Class 46.
- 91,127. IMPERIAL. Registered Apr. 15, 1913. Roggen Bros. & Co. Re-renewed Apr. 15, 1953, to Imperial Shirt Corp., New York, N. Y., a corporation of New York. Dress, Negligée and Plaided Shirts. Class 39.
- 91,147. "CAPIDOME" AND DRAWING. Registered Apr. 15, 1913. Winter Haven Citrus Growers Association, Winter Haven, Fla., a corporation of Florida. Re-renewed Apr. 15, 1953. Oranges, Lemons, Grape-Fruit, Tangerines, and Limes. Class 46.
- 91,148. ALCOR. Registered Apr. 22, 1913. The Alling & Cory Company, Rochester, N. Y., a corporation of New York. Re-renewed Apr. 22, 1953. Writing-Paper, Cover-Paper, and Enamelled Book-Paper. Class 37.
- 293,193. THE NEW WORLD. Registered Apr. 12, 1932. The Catholic Press Company, Inc. Renewed Apr. 12, 1952, to The New World Publishing Company, Chicago, Ill., a not-for-profit corporation of Illinois. Newspaper Published Weekly. Class 38.
- 296,472. CHEER LEADERS. Registered Aug. 9, 1932. The H. A. Sehnabemer Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 9, 1952. Students' Clothing—Namely, Suits and Overcoats. Class 39.
- 297,271. "CHEMCOT" AND DESIGN. Registered Sept. 6, 1932. Southern Chemical Cotton Company, Chattanooga, Tenn., a corporation of Tennessee. Renewed Sept. 6, 1952. Chemical Cotton, Otherwise Known as Cotton Linter Pulp and as Bleached Linters and as Purified Linters. Class 1.
- 298,467. SPEEDISSET. Registered Oct. 25, 1932. American Sales Book Company, Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Renewed Oct. 25, 1952, to Moore Business Forms, Inc., Niagara Falls, N. Y., a corporation of Delaware. Paper and Stationery, Particularly Record Forms. Class 37.
- 298,571. MASTER. Registered Nov. 1, 1932. Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York. Renewed Nov. 1, 1952. Utility Chests. Class 2.
- 298,737. "MARINESIA" AND DRAWING. Registered Nov. 1, 1932. Marine Chemicals Company, Ltd., South San Francisco and San Francisco, Calif. Renewed Nov. 1, 1952, to Merck & Co., Inc., Rahway, N. J., and South San Francisco, Calif., a corporation of New Jersey. Pharmaceutical Preparation Containing Magnesium Hydroxide and the Salts of Other Elements Present in Ocean Water and Used as an Antacid, a Laxative, or a Mouth Wash. Class 18.
- 298,758. "CANCO" AND DESIGN. Registered Nov. 8, 1932. American Can Company, New York, N. Y., a corporation of New Jersey. Renewed Nov. 8, 1952. Advertising Signs Made of Sheet Metal or Fibre, or Made Partly of Sheet Metal and Partly of Fibre, Etc. Class 50.
- 299,042. NAPSUL. Registered Nov. 22, 1932. California Spray-Chemical Corporation, Wilmington, Del., and Berkeley, Calif. Renewed Nov. 22, 1952, to California Spray-Chemical Corporation, Richmond, Calif., a corporation of Delaware. Insecticides, Germicides and Fungicides. Class 18.
- 299,272. VOLNA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,278. MIRAK. Registered Nov. 29, 1932. Forstmann & Huffmann Company. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,352. CHANTRA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,353. DUVELGA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,354. FRIZELDA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,355. KHARDA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,356. MARSHA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,357. KREIDA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

- 299,359. TARZA. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,360. VALKEEN. Registered Nov. 29, 1932. Forstmann Woolen Co. Renewed Nov. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.
- 299,433. RALCOR. Registered Dec. 6, 1932. Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York. Renewed Dec. 6, 1952. Ophthalmic Lenses. Class 26.
- 299,563. CENTENNIAL. Registered Dec. 13, 1932. Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington. Renewed Dec. 13, 1952. Stock Feed and Poultry Feed and Pancake and Waffle Flour. Class 40.
- 299,632. ZEO-DUR. Registered Dec. 13, 1932. The Permutit Company, New York, N. Y., a corporation of Delaware. Renewed Dec. 13, 1952. Base Exchange Silicates Used as Purifying and Treating Materials for Water. Class 6.
- 299,780. "+ SEALRIGHT +" ETC. Registered Dec. 20, 1932. Oswego Falls Corporation, Fulton, N. Y., a corporation of New York. Renewed Dec. 20, 1952. Bottle Caps or So-Called Milk Bottle Caps. Class 50.
- 299,945. TRFCO. Registered Jan. 3, 1933. Tranin Egg Products Co. Renewed Jan. 3, 1953, to Tranin Egg Products Company, Kansas City, Mo., a corporation of Missouri. Broken Eggs in Liquid and Dried Form. Class 40.
- 300,176. "SEALRIGHT" ETC. AND DESIGN. Registered Jan. 10, 1933. Oswego Falls Corporation, Fulton, N. Y., a corporation of New York. Renewed Jan. 10, 1953. Paper Cans and Covers Therefor. Class 2.
- 300,487. "WAKEFIELD DAIRY" ETC. AND DESIGN. Registered Jan. 24, 1933. Simpson Bros., Inc., Washington, D. C., a corporation of Delaware. Renewed Jan. 24, 1953. Dairy Products—Namely, Butter, Milk, Ice Cream, Etc. Class 46.
- 300,602. SYNASOL. Registered Jan. 24, 1933. Carbide and Carbon Chemicals Corporation. Renewed Jan. 24, 1953, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Denatured Alcohol and Alcohol Other Than Pure Ethyl Alcohol for Various Uses in the Industrial Arts. Class 6.
- 300,854. NEO-HORMONAL. Registered Feb. 14, 1933. Schering Corporation, New York, N. Y. Renewed Feb. 14, 1953, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey. Medicinal Preparation for the Treatment of Postoperative Paralysis of the Intestines and Chronic Obstruction. Class 18.
- 300,856. PATCHI. Registered Feb. 14, 1933. The E. L. Patch Company, Stoneham, Mass., a corporation of Massachusetts. Renewed Feb. 14, 1953. Tablets for Croup and Bronchial Conditions. Ointments for Burns and Skin Irritations, Etc. Class 18.
- 301,762. "WEAR KINO" AND DESIGN. Registered Mar. 14, 1933. Hahn Department Stores, Inc., Wilmington, Del. Renewed Mar. 14, 1953, to Allied Stores Corporation, New York, N. Y., a corporation of Delaware. Men's and Boys' Clothing and Accessories—Namely, Men's and Boys' Suits, Golf Suits, Etc. Class 39.
- 301,791. LAWROSUEDE. Registered Mar. 14, 1933. A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine. Renewed Mar. 14, 1953. Leather. Class 1.
- 302,058. MARDAY. Registered Mar. 28, 1933. Hahn Department Stores, Inc., Wilmington, Del. Renewed Mar. 28, 1953, to Allied Stores Corporation, New York, N. Y., a corporation of Delaware. Women's Ready-to-Wear and Accessories—Namely, Coats, Dresses, Suits, Negligees, Etc. Class 39.
- 302,103. ELK. Registered Mar. 28, 1933. The Clark Thread Company, Newark, N. J. Renewed Mar. 28, 1953, to The Clark Thread Company, Inc., Clarkdale, Ga., a corporation of Delaware. Thread and Yarn. Class 43.
- 302,104. FOX. Registered Mar. 28, 1933. The Clark Thread Company, Newark, N. J. Renewed Mar. 28, 1953, to The Clark Thread Company, Inc., Clarkdale, Ga., a corporation of Delaware. Thread and Yarn. Class 43.
- 302,206. ELDER. Registered Apr. 4, 1933. The Clark Thread Company, Newark, N. J. Renewed Apr. 4, 1953, to The Clark Thread Company, Inc., Clarkdale, Ga., a corporation of Delaware. Thread and Yarn. Class 43.
- 302,325. BEN-HUR. Registered Apr. 11, 1933. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed Apr. 11, 1953. Poultry, Dairy, and Stock Feed. Class 46.
- 302,422. JERIS. Registered Apr. 18, 1933. Ar. Winarick, Inc., New York, N. Y., a corporation of New York. Renewed Apr. 18, 1953. Powder Puffs, Dusting Mittens, Dish Mops, Floor Mops, Whisk Brooms, Wall Brushes, Scrub Brushes, Etc. Class 29.
- 302,446. "BEAUTY YOUTH" AND DESIGN LINED FOR ORANGE. Registered Apr. 18, 1933. Talcum Puff Co. Inc., doing business as Page Perfumier. Renewed Apr. 18, 1953, to Be-Kay Perfume Company, Inc., New York, N. Y., a corporation of New York. Face Creams, Face and Hand Lotions, Face Powder, Etc. Class 51.
- 302,453. "RUSTVOID" ETC. AND DESIGN. Registered Apr. 18, 1933. Rustvoid Products, Inc., Long Island City, N. Y. Renewed Apr. 18, 1953, to Rustvoid Products, Inc., New York, N. Y., a corporation of New York. Liquid Preparation Containing a Mixture of Oils, Chemicals, and Metal Salts, To Be Applied to Metal Surfaces To Prevent Rust and Corrosion. Class 16.
- 302,486. DIASTAFOR. Registered Apr. 18, 1933. Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Renewed Apr. 18, 1953. Amylolytic or Starch-Liquefying Preparation Suitable for Use as a Dyeing Agent in the Textile Industry, Etc. Class 6.
- 302,520. "HEIDELBERG" ETC. AND DESIGN. Registered Apr. 25, 1933. The Rubel Baking Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Apr. 25, 1953. Rye Bread. Class 46.
- 302,633. KNIT-TEX ANGORA. Registered Apr. 25, 1933. Cohen, Goldman & Co. Inc., New York, N. Y. Renewed Apr. 25, 1953, to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa., a corporation of Pennsylvania. Men's, Boys' and Children's Outer Garments, Consisting of Coats, Vests, Pants, Etc. Class 39.
- 302,642. SPUNZETTE. Registered Apr. 25, 1933. B. B. & R. Knight Corporation. Renewed Apr. 25, 1953, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island. Cloth in the Piece Made All or in Part of Worsted, Wool, Mohair, Etc. Class 42.
- 302,662. STADIUM RUG. Registered Apr. 25, 1933. The Warren Woolen Co., Stafford Springs, Conn., a corporation of Connecticut. Renewed Apr. 25, 1953. Rugs Made From Textile Fabrics of Wool. Class 42.
- 302,668. "RED CIRCLE" ETC. AND DESIGN LINED FOR RED. Registered Apr. 25, 1933. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Apr. 25, 1953. Coffee. Class 46.
- 302,671. "EIGHT O'CLOCK COFFEE" ETC. Registered Apr. 25, 1933. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Apr. 25, 1953. Coffee. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

299,962. "SANKA" ETC. AND DESIGN. Registered Jan. 3, 1933. Sanka Coffee Corporation, New York, N. Y. Coffee. Class 40. The drawing is hereby amended to appear as follows:



360,725. WHITE SWAN. Registered Sept. 27, 1938. Waples Platter Company, Fort Worth, Tex. Canned Goods, as Follows: Apricots, Artichokes, Asparagus Tips, Bartlett Pears, Beets, Black-eyed Peas, Etc. Class 40. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States of Minnesota, Iowa, Missouri, Wisconsin, Illinois, Indiana, Michigan, Ohio, West Virginia, Maryland, Pennsylvania, New York, Delaware, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, and Maine, by order of the Commissioner dated Jan. 13, 1953, following decision on Concurrent Use Proceeding No. 108, *The Capital City Products Company v. Waples-Platter Company*.

362,524. REPRESENTATION OF WHITE SWAN. Registered Nov. 22, 1938. Waples Platter Company, Fort Worth, Tex. Canned Goods, as Follows: Apricots, Artichokes, Asparagus Tips, Bartlett Pears, Beets, Black-eyed Peas, Etc. Class 40. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States of Minnesota, Iowa, Missouri, Wisconsin, Illinois, Indiana, Michigan, Ohio, West Virginia, Maryland, Pennsylvania, New York, Delaware, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, and Maine, by order of the Commissioner dated Jan. 13, 1953, following decision on Concurrent Use Proceeding No. 108, *The Capital City Products Company v. Waples-Platter Company*.

564,010. "OHIO" AND DESIGN. Registered Sept. 10, 1952. The Forker Corporation, Cleveland, Ohio. Overhead Transportation Systems; Namely, Tramways and Parts Thereof. Class 23. Corrected as follows: In the certificate, line 4, for "11th day of December, 1948" read "11th day of October, 1948"; in the heading to the statement, under "UNITED STATES PATENT OFFICE", line 3, for "December 11, 1948" read "October 11, 1948".

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 157,642. Registered Aug. 15, 1922. Herman Behr & Company, Incorporated, Brooklyn, N. Y. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

OPENKOTE

For Abrasive Papers and Cloths.
Claims use since Jan. 15, 1922.

Reg. No. 168,942. Registered May 29, 1923. Herman Behr & Company, Incorporated, Brooklyn, N. Y. Republished by Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts.

CLOSEKOTE

For Abrasive Papers and Cloths.
Claims use since Nov. 6, 1922.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 297,145. Registered Sept. 6, 1932. Getx Exterminators, Inc., St. Louis, Mo., a corporation of Missouri. Republished by registrant.



For Preparations for Exterminating Insects.
Claims use since 1888.

FEBRUARY 10, 1953

U. S. PATENT OFFICE

275

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 294,203. Registered May 24, 1932. Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey. Republished by registrant.

BREEZE

For Casings for the Electrical Equipment of Motors and Similar Power Apparatus To Prevent Electrical Emanations From Leaving or Outside Electrical Impulses From Affecting Said Equipment.
Claims use since 1929.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 325,725. Registered July 2, 1935. Starline, Inc., Harvard, Ill., a corporation of Illinois. Republished by registrant.



For Bull Sticks, Floor Scrapers, Litter Carriers, Feed Carriers, Milk-Can Carriers, Silage Carriers, Swinging Hooks, Two and Three Way Track Switches, Hay Carriers, Hay Silos, Fork Pulleys, Hay Forks, Hay Carrier Returners, Tackle-Block-Wire Stretchers, Giant Steel Hooks, and Trolley Conveyers.
Claims use since March 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 210,070. Registered Mar. 9, 1926. Louis Rastetter & Sons, Fort Wayne, Ind. Republished by Louis Rastetter & Sons Company, Fort Wayne, Ind., a corporation of Indiana.



The words "The Folding Chair" are disclaimed apart from the mark as shown.
For Folding Chairs
Claims use since Oct. 14, 1924.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 314,022. Registered June 19, 1934. Wm. H. Stanley, Inc., New York, N. Y. Republished by Dehn & Co., Inc., Seattle, Wash., a corporation of Washington.

FISH NET

For Canned Fish.
Claims use since Aug. 21, 1933.

CLASS 47

WINES

Reg. No. 316,153. Registered Aug. 14, 1934. Cella Brothers, Inc., New York, N. Y. Republished by Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.



For Wines.
Claims use since Jan. 5, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 347,755. Registered July 6, 1937. Siboney Distilling Corporation, Philadelphia, Pa. Republished by Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.



The words "Distilled London Dry Gin" are disclaimed apart from the mark as shown.
For Distilled Gin.
Claims use since Oct. 2, 1936.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 423,843. Registered Sept. 10, 1946. Les Parfums de Dana, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

"CANOE"

For Toilet Preparations, Perfumery, and Cosmetics—Namely, Perfume, Toilet Waters, Lipsticks, Face Powder, Toilet Creams, and Rouge, Exclusive of Any Preparation of Any Nature To Color, Remove, Stimulate, or Otherwise To Treat Hair, Wherever Situated on the Body.
Claims use since Dec. 31, 1945.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 440,402. Registered Aug. 31, 1948. Phillips Manufacturing Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PHILLSOLV

For Solvents in Degreasing Operations for the Removal of Grease From Metal Parts.
Claims use since Jan. 1, 1940.

REISSUES

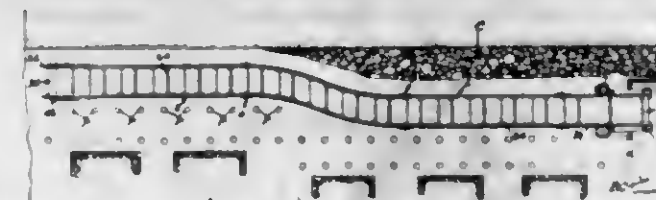
FEBRUARY 10, 1953

23,618

LATERALLY FLEXIBLE MINE CONVEYER

Joseph F. Joy, Pittsburgh, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 2,569,004, dated September 25, 1951, Serial No. 99,291, June 15, 1949. Application for reissue December 12, 1951, Serial No. 261,310 24 Claims. (Cl. 198—109)



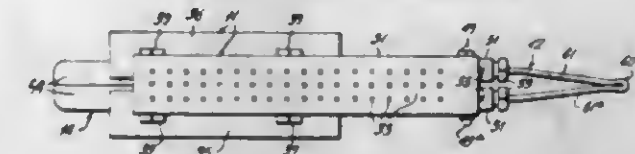
9. In a conveyor of the chain-and-scraper type having a discharge end, a tail section, and intermediate laterally flexible sections, in combination, side supports, each of which consists of an angle and a channel one above the other with the channel sides and an angle arm directed toward the opposite side of the conveyor, means to space the angle above the channel, the channel sides and the horizontal angle arm being slotted at intervals to provide lateral flexibility; and a plurality of deck plates extending from side to side and having their edges lying in the defined space and secured to adjacent angle and channel members.

23,619

ELECTRICAL HEATING APPARATUS

Carl E. Weller, Easton, Pa., assignor to Weller Manufacturing Company, Easton, Pa., a limited partnership of Pennsylvania

Original No. 2,405,866, dated August 13, 1946, Serial No. 402,372, July 14, 1941. Application for reissue July 10, 1952, Serial No. 298,219 11 Claims. (Cl. 219—26)



5. An electrical heating apparatus comprising a quick-heating soldering iron including a step-down transformer having primary and secondary windings, said secondary winding being of pronouncedly greater cross-sectional area than said primary winding, and a detachable tinnable copper heating tip rigidly mounted and held tightly in electrical communication across the secondary winding, said heating tip being of pronouncedly smaller cross-sectional area throughout than the secondary winding.

PLANT PATENTS

GRANTED FEBRUARY 10, 1953

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,165

CHRYSANTHEMUM PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application April 21, 1952, Serial No. 283,375 1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant of the decorative class, substantially as herein shown and described, characterized particularly as to novelty by the large size of its flowers, by the distinctive Nopal Red general color tonality of its flowers, and by its early-flowering, winter-hardy and frost-resistant habits of growth.

1,166

CHRYSANTHEMUM PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application April 21, 1952, Serial No. 283,374 1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant of the incurved type, substantially as herein shown and described, characterized particularly as to novelty by its large-flowered blooms on straight, upright growth, by the improved frost-resistance of the large-sized flowers, by the dis-

tinctive Empire Yellow general color tonality of its flowers, and by its hardiness and early blooming habits of growth.

1,167

ROSE PLANT

Walter E. Lammerts, La Canada, Calif., assignor, by mesne assignments, to Germain's, Inc., Van Nuys, Calif., a corporation of California

Application February 15, 1952, Serial No. 271,691 1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, substantially as herein shown and described, characterized as to novelty particularly by its relatively vigorous and compact habit of growth, by its abundance of foliage and retention of the same clear to the base of the plant, even on older plants late in the season, by its resistance to mildew and blackspot, by its relatively long buds and the long-pointed to urn-shaped form of the same, by its predominant tendency to bear its flowers singly on sturdy, medium-long stems, by the reduced tendency of its buds to "ball" as they open during cool, foggy weather, and by the predominantly Chrysanthemum Crimson general color effect of its open flowers, but with an appearance to the eye of a lighter and iridescent glowing red color, and with a tendency to shadings of Rose Red.

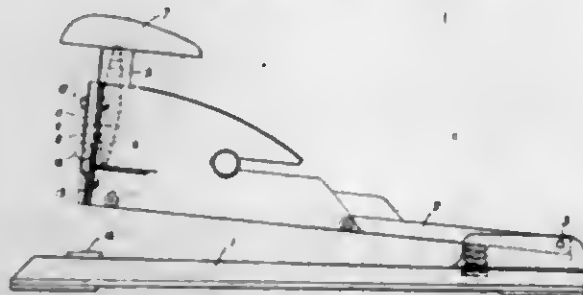
PATENTS

GRANTED FEBRUARY 10, 1953

GENERAL AND MECHANICAL

2,627,601 STAPLE SUPPORT FOR STAPLING MACHINES

Aimé Albert Vandervieren, Berkhamsted, Eng-
land, assignor to Goodman and Vandervieren
Limited, Berkhamsted, England
Application July 11, 1950, Serial No. 173,059
In Great Britain June 7, 1950
4 Claims. (Cl. 1-3)



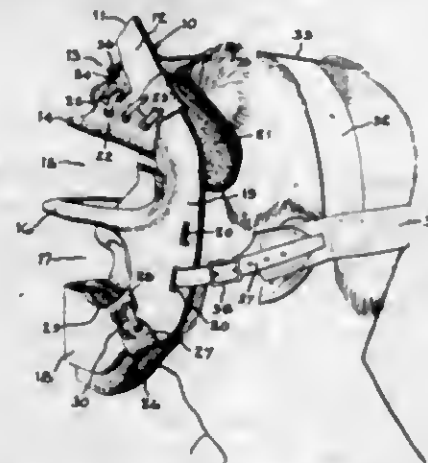
1. In a stapling machine having a reciprocally mounted staple driver, means for guiding and supporting individual staples having spaced legs as they are driven by said driver, comprising a rigid guide block, laterally spaced vertical grooves in said guide block, a flexible guide plate, means on the free end of said flexible plate extending between the said vertical grooves to cooperate therewith to guide the staple as it is driven by the driver into the work to be stapled, a rotatably mounted spindle extending transversely of the flexible guide plate, cam means on said spindle, and manually actuated means for rotating said spindle to move the cam into one position to displace said plate to inoperative position wherein the means on the free end thereof are withdrawn from between said vertical grooves, and to move said cam into another position to permit said plate to return to its operative position.

2,627,602 BASEBALL MASK

Hugo Goldsmith, Cincinnati, Ohio, assignor to
Sport Products, Inc., Cincinnati, Ohio, a corpo-
ration
Application August 8, 1950, Serial No. 178,233
1 Claim. (Cl. 2-9)

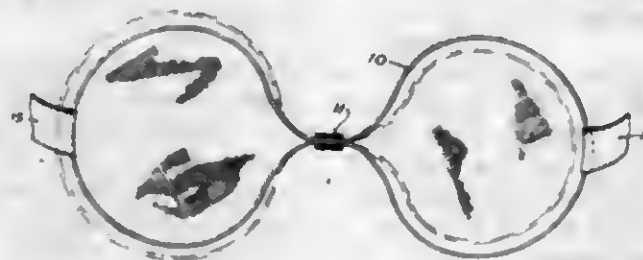
A baseball mask of the bar type comprising an arcuate plate of generally oval outline configura-
tion having a plurality of apertures formed there-
through, the upper portion of said plate when
secured in position on a wearer's head extending
to a level substantially above the top of the head,
and means for securing the plate in position on
the wearer's face, said means including side por-
tions on the plate adapted to extend outwardly
along the sides of the wearer's face, each of said
portions having a plurality of vertically disposed
strap receiving apertures formed therein, a first
strap adapted for passage through one of said
apertures in each side portion, said strap extend-
ing laterally around the sides of the wearer's head,
a second strap interconnected with said first strap
and extending from one side of the head across
the top to the opposite side, the points of juncture

of said second strap and said first strap being
spaced substantially half the distance from said
oval plate to the rearmost portion of the first
strap, and a third strap secured to the plate at
a central point below its upper edge and secured
at its other end to the first named strap, whereby
the straps collectively form a pocket-like con-
struction holding the mask securely against the



wearer's face, the portions of the first strap lo-
cated forwardly of each of said points of juncture
being adapted for angular displacement rela-
tive to the portion of said face strap being lo-
cated rearwardly of said points of juncture when
said first strap is shifted from one of the aper-
tures on each side of the face plate to another
of the apertures on each side of the face plate.

2,627,603
BRASSIERE AND FRAMEWORK THEREFOR
Julius E. Lillienfeld, St. Thomas, V. I.
Application June 22, 1950, Serial No. 169,699
5 Claims. (Cl. 2-42)



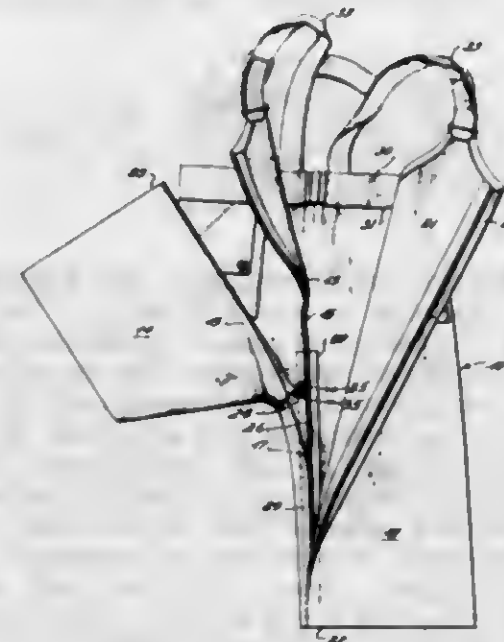
1. A strapless brassiere comprising a single
resilient wire element three dimensionally curved
and projecting onto the vertical plane in the
shape of two loops forming the figure 8, said
loops being adapted to encircle the breasts of
the wearer, and a body encircling band, means
at the ends of said band for detachably joining
the ends thereof, said body encircling band at-
tached to the opposed vertices of the said figure
8, fabric attached to the said wire element and
forming pockets over the openings of said loops,
said wire element being prestressed to curve
away from the wearer upon detaching the ends
of said band.

FEBRUARY 10, 1953

GENERAL AND MECHANICAL

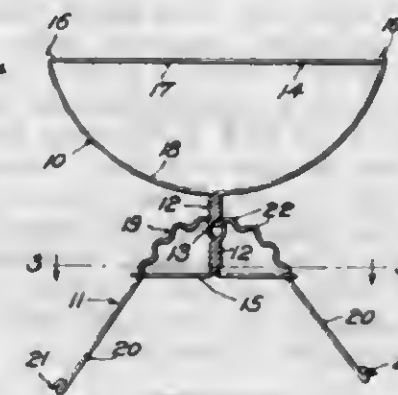
279

2,627,604
CHILD'S GARMENT
Paul B. Schor, Sunbury, Pa.
Application October 10, 1950, Serial No. 189,336
7 Claims. (Cl. 2-79)



7. An overall type garment comprising a body
portion, a pair of separated leg-covering por-
tions extending from said body-covering portion
and also extending from a common seam lo-
cated at the crotch of the garment, and garment-
fastening means located at the front of the gar-
ment and extending, adjacent the crotch, in a
substantially straight line from above the crotch
to below the crotch, said common seam lying,
when the garment is laid out flat on its back, in a
substantially horizontal plane with said fasten-
ing means, and at an angle to a vertical plane
which includes the substantially straight line
made by said fastening means whereby a part
of one leg-covering portion overlies a part of the
other leg-covering portion at the crotch to avoid
rumpling.

2,627,605
COLLAR SUPPORT
Okey E. Nichols, Charleston, W. Va.
Application May 1, 1951, Serial No. 223,927
7 Claims. (Cl. 2-132)



1. A collar supporting device for use on the
underside of the point of a collar between its
fold and its lower edge portion comprising a first
member having at its top a longitudinally ex-
tending collar engaging portion to extend along
the fold of a collar and also having a rigid lower
portion extending downwardly from said collar
engaging portion between the ends of the latter,
said rigid lower portion having an eye, and a

second member of resilient material having a
longitudinally curved central portion and two
integral end portions extending downwardly from
said curved central portion and provided with
collar gripping spurs, the curved portion of said
second member extending through and being
shiftable engaged with an inner edge portion of
said eye.

2,627,606 WATERPROOF PLASTIC COVERED BUST PAD

Joseph M. De Grandis, Macon, Ga.
Application January 26, 1950, Serial No. 140,741
1 Claim. (Cl. 2-267)



In a bust pad, the combination which com-
prises a conical-shaped resilient body member,
the annular end surface of which is chamfered
to nest snugly against the breast of a person
wearing the pad, said chamfered surface extend-
ing from the peripheral edge of the outer surface
to the corresponding edge of the inner surface
of the body member, and an enclosing envelope
of pliant material impervious to moisture, said
envelope comprising an outer covering nested
against the outer surface of the body member
and having a peripheral flange extended beyond
the peripheral edge of said body member, and an
inner covering nested against the inner surface
of said body member and also having a peripheral
flange extended beyond the edge of the body
member, said peripheral flanges of the outer and
inner coverings being sealed together whereby
the conical-shaped body member is enclosed in
a sealed container impervious to moisture.

2,627,607
FLUSH TANK LEVER
Basil R. Crampton, Rockford, Mich.
Application October 2, 1950, Serial No. 187,852
8 Claims. (Cl. 4-67)

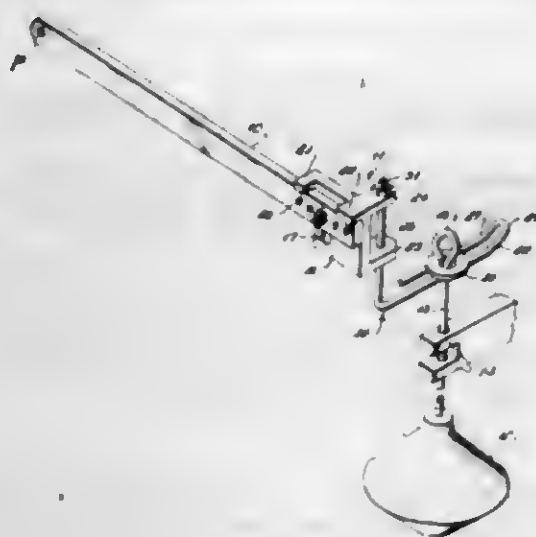


1. A spud mounting for a flush tank lever
comprising, a generally U-shaped member of
sheet metal having spaced apart sides and an
integral connecting end with an opening through
which a rockably mounted lever is adapted to
pass, said sides being adapted to bear against
opposite sides of a transverse opening in a flush
tank wall through which the spud is insertable,
the sides of said spud at their other ends having
outwardly extending portions adapted to bear
against the outer side of the wall of the tank
adjacent said opening to limit the extent of pas-
sage of the spud through said opening, and a
resilient member adapted to be removably in-
serted between the spaced sides of the spud and
bear against the cross connecting portion thereof
and adapted to bear against the inner side of a
tank wall in which the spud is inserted.

2,627,608

TOILET BALL VALVE ACTUATING LINKAGE

Leo K. Edwards, Piedmont, Calif.
Application November 17, 1950, Serial No. 196,258
1 Claim. (Cl. 4-67)

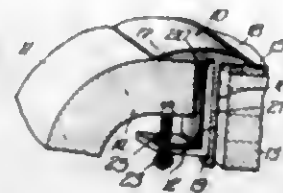


A linkage for use in a toilet system having a water tank, a ball valve located at the bottom of the tank for regulating the flow of water therefrom, a stem extending substantially vertically upward from the ball of the ball valve, and an operating lever having a free end located at a level above the ball valve and also having openings through the lever spaced apart lengthwise of the lever adjacent the free end thereof; said linkage comprising a bracket having a substantially vertical body portion, substantially horizontal shoulder portions extending from the upper end of said body portion, and a pair of substantially horizontal arms extending from said body portion in an opposite direction from the direction in which said shoulder portions extend, each of said arms having a vertical opening extending therethrough and said openings being positioned in substantially vertical alignment; a connecting member connecting said bracket to said operating lever adjacent the free end of said lever with said body portion being located against one side of said lever and said shoulder portions being located against the upper surface of said lever to substantially prevent twisting of said bracket on said lever, said connecting member being positionable through any one of said spaced openings extending through the operating lever whereby said bracket may be positioned in different positions spaced apart lengthwise of said lever and thus may be adjusted lengthwise of said lever; a lifting hook including a loop portion having spaced-apart substantially parallel horizontal arms defining a space extending lengthwise between said horizontal arms, and a substantially vertical arm extending upwardly from one of said horizontal loop arms, said vertical arm extending through the vertically aligned openings in the arms which extend from the body portion of the bracket and being pivotally connected to said arms whereby said lifting hook may swivel with respect to said bracket, said upwardly extending ball valve stem extending through the space between said horizontal loop arms, said arms being spaced apart a distance greater than the thickness of said stem whereby said arms may move substantially horizontally relative to said stem to avoid binding said stem; and a washer carried by said stem, said washer being engageable by said horizontal loop arms to raise said stem when the lifting hook is lifted by the operating lever.

2,627,609

SINK MOUNTING

Herbert D. Drain, Chicago, Ill., assignor to Walter E. Selek and Co., Chicago, Ill., a corporation of Illinois
Application February 1, 1949, Serial No. 73,913
14 Claims. (Cl. 4-187)

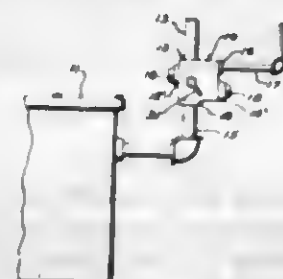


1. In a fixture for mounting a flat flange type sink in an opening in a drainboard, a frame of generally T-shaped cross section which is adapted to be positioned with its vertical leg between the edge of the drainboard and the edge of the sink and with its top overlying the adjacent edges of the drainboard and the sink, said frame having a longitudinally extending abutment ledge adjacent the lower edge of the vertical leg and a relatively narrow longitudinally extending slot adjacent the upper edge of said leg, and clamping lugs each having a plate-like vertical portion adapted to be positioned against the vertical leg of said frame with one end interengaged in said slot and with the other end in abutting relation with said ledge, said lugs having inwardly directed portions provided with adjustable clamping members for clamping engagement with the sink rim.

2,627,610

NONCLOG FLOW CONTROL DEVICE

Joseph Hirshstein, Cleveland, Ohio, assignor to Ruth R. Newman and Mildred P. Hirshstein
Application March 30, 1950, Serial No. 152,959
4 Claims. (Cl. 4-255)



1. A liquid flow control fixture comprising a hollow body having an inlet, an outlet, and a wall interiorly dividing said body into an inlet chamber and an outlet chamber, said wall being provided with a flow control orifice between the said chambers; and a cleaning device including a shaft journaled in and extending through an outer wall of said fixture into the interior thereof, and transversely to said orifice, and an arcuately formed cleaning member on the inner portion of said shaft, said shaft and said member being so disposed that said member moves across said orifice substantially in contact with an edge thereof upon rotation of the shaft.

2,627,611

COMBINATION INVALID STRETCHER CARRIER

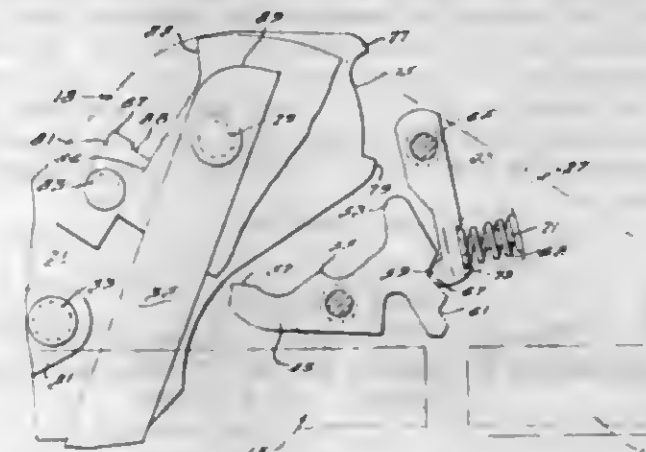
Cecil C. Nichols, Memphis, Tenn.
Application April 11, 1951, Serial No. 220,469
11 Claims. (Cl. 5-8)

7. Means for supporting injured persons, comprising supporting rails, each having a horizontal web, and a vertical inner leg; means supporting

2,627,613

BED-DIVAN HINGE

Johan Lund, Detroit, Mich., assignor, by means assignments, to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application August 18, 1947, Serial No. 769,128
10 Claims. (Cl. 5-47)

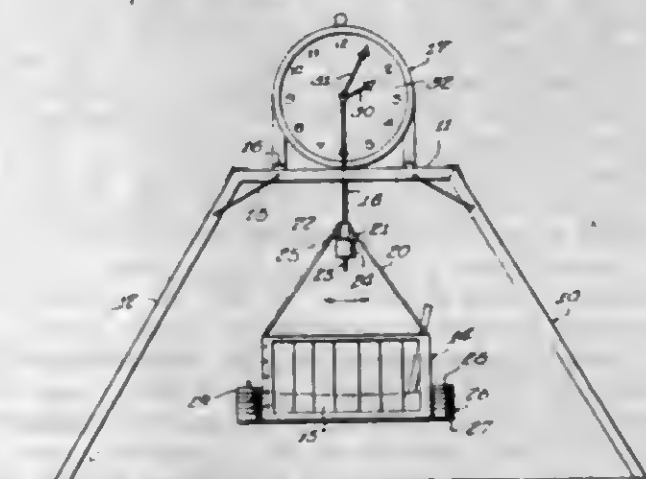


4. A hinge for a bed divan having two frame sections, including a supporting member for each section, means pivotally connecting said members, latch means pivotally mounted on one of said members, means on said other member cooperating with said latch means for latching said two members together when in one position, cam means on said other member and said latch means for rotating said latch means clockwise and counterclockwise into and out of latched position, spring means for securing said latch means in either said clockwise or counterclockwise rotated position, pivoted stop means on the other of said members for limiting when in one position the movement of the member having said latch means thereon for permitting relative movement of said members into latched position and preventing movement therebeyond to unlatching position, means supporting said pivoted members for movement as a unit having cam means thereon for rotating said stop means out of stopped position so as to permit said member to be moved beyond its latched position for moving said latch means to said unlatched position, and means on the supporting member having said latch means mounted thereon for engaging said stop means and moving the latter into stopped position.

2,627,614

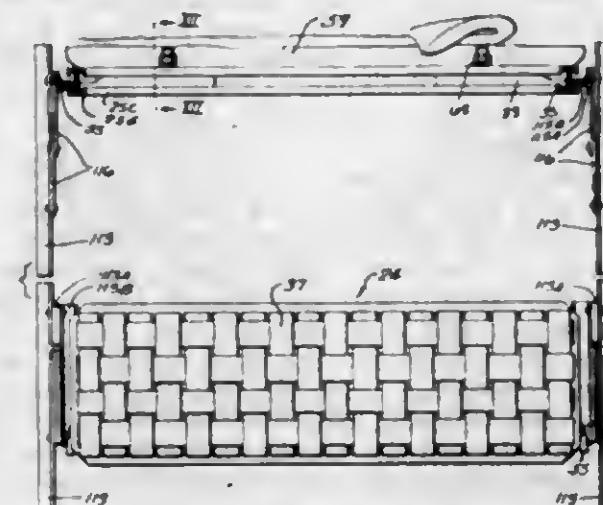
PENDULUM-OPERATED SWING

Mack M. Pruett, Faye, Ky.
Application June 18, 1946, Serial No. 677,580
3 Claims. (Cl. 5-109)



1. Apparatus of the class described comprising a clock mechanism support means therefor, said

said rails; stretcher means including runners having upper and lower flanges; said stretcher means being positioned with said flanges slidably embracing said rail legs to slidably support said stretcher means upon said rails; pawl means mounted on said rail webs, said pawl means including inwardly extending latching fingers, said

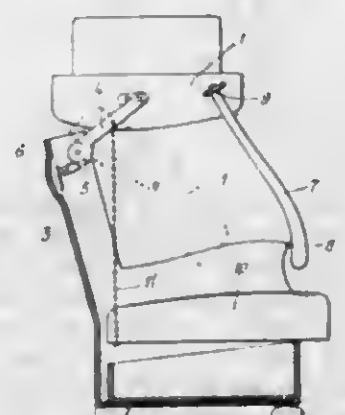


rail legs being formed with apertures for receiving said latching fingers, complementary apertures formed in said runners registering with said rail leg apertures, said fingers respectively being positioned and of a length to extend inwardly through said registered apertures to releasably latch said stretcher means to said rails against sliding movement.

2,627,612

SOFA ADAPTED TO BE CONVERTED INTO TWO SUPERPOSED BEDS

Johan Ekeberg, Oslo, Norway
Application June 3, 1949, Serial No. 97,036
In Norway June 11, 1948
3 Claims. (Cl. 5-12)



1. A sofa comprising a stationary back frame, arms pivotally connected at one end thereof to said back frame at each end of said frame and in proximity to the top thereof, a back cushion pivotally connected to the opposite ends of said arms, an abutment on that end of each said arm which is connected to said back frame, a pawl on said stationary back frame for coaction with said abutment, said back cushion being movable forward and upward and pivotal about its longitudinal axis for raising into a substantially horizontal position above said sofa, said abutment and said pawl constituting a locking mechanism for said arms when said back cushion is in raised position.

667 O. G.-20

clock mechanism having a pendulum element at the front and a pendulum element at the rear, said pendulum elements being parallel and operatively depending from the clock mechanism at the axis of rotation of the hands thereof and terminating below said clock mechanism, nuts threaded on the lower portions of said pendulum elements, a swing member, parallel rigid suspending devices on said swing member, each suspending device comprising a pair of upwardly converging arms having a sleeve connecting them together at their upper ends, said pendulum elements extending loosely through the respective sleeves with the latter supported on the respective nuts.

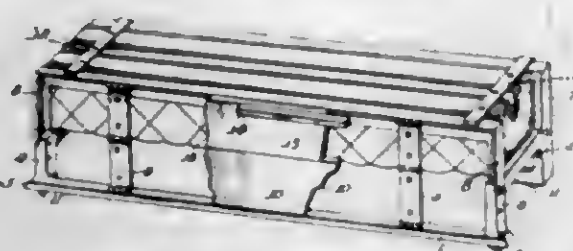
2,627,815

FOLDING BED

Emory N. Hogensen, Chicago, Ill.

Application December 28, 1946, Serial No. 718,937

1 Claim. (Cl. 5—152)



A folding bed comprising a pair of spaced apart, inverted U-shaped end frames consisting of upper crosspieces and depending side legs, a pair of vertically extending end panels of greater height than the end frames and having their lower portions fitting against and secured to the outer surfaces of the end frames and their upper portions projecting above the upper crosspieces of said end frames, a pair of horizontal, laterally spaced members extending between the end frames and having the ends thereof fixedly connected to the lower ends of the side legs of said end frames, U-shaped front and rear side frames extending between the end frames, consisting of elongated, horizontally extending crosspieces and side legs at the ends of the last mentioned crosspieces, having the side legs thereof of substantially the same length as the projecting upper portions of the end panels, and having the outer ends of their side legs connected pivotally to the upper corners of the end frames in order that they are capable of being swung back and forth between a closed position wherein they extend upwards and their side legs are aligned with, and form upper continuations of, the side legs of the end frames and an open position wherein they extend horizontally outwards and their side legs are aligned with the crosspieces of the end frames, a rectangular spring frame designed to support a mattress, having the central portion thereof extending between, and connected to, the crosspieces of the end frames and its end portions fitting within, and connected to, the front and rear side frames, and adapted when the side frames are swung upwards into their closed position to fold upwards the side portions of the mattress, a pair of spaced apart two-piece hinges consisting of upper pieces having their upper ends pivotally connected to the crosspiece of the front side frame and lower pieces having certain ends thereof pivotally connected to the lower ends of the upper pieces and their other ends pivotally connected to the adjacent horizontal member, adapted when the front side frame is swung into its open position to fold outwards into a position wherein their lower pieces extend substantially horizontally outwards and their upper pieces extend vertically and serve

to support said front side frame in its open position, and further adapted when the front side frame is swung upwards into its closed position to have said upper and lower pieces both extend vertically, an upper front panel extending between the end panels and connected to the upper pieces of the hinges, a lower front panel extending between the end panels, connected to the lower pieces of the hinges, and adapted when the front side frame is in its closed position to form with the upper front panel a front completely closing the space between the front side margins of said end panels, a pair of legs pivotally connected to the ends of the crosspiece of the rear side frame and adapted to support said rear side frame when it is in its open position, a pair of spaced apart brackets connected fixedly to the crosspiece of the rear side frame, extending at right angles to said rear side frame, and arranged so that when the two side frames are in their closed position they overlie the mattress, and a top panel connected to, and extending across, the brackets and shaped and adapted fully to close the space between the upper margins of the end panels when the rear side frame is in its closed position.

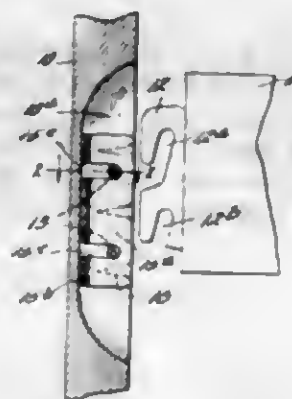
2,627,616

ARTICLE OF FURNITURE

Hyman Berril Lasting, Portsmouth, Va., assignor, by direct and mesne assignments, to Metal Products Corporation, Portsmouth, Va., a corporation of Virginia

Application July 12, 1946, Serial No. 683,034

6 Claims. (Cl. 5—296)



1. An article of furniture comprising a wooden member having formed therein an elongated, narrow and relatively deep slot; a metallic pin embedded in said member and bridging said slot, a second member having a hook plate projecting into the slot formed in the first member, said hook plate operatively engaging said pin, and a reinforcing element for providing additional support for said pin to hold the same firmly against movement relative to the wooden member in which it is embedded under the influence of forces imposed upon the pin by the hook plate, said element having two portions, a body portion disposed within the aforementioned slot formed in said wooden member and substantially in parallel relationship to said hook plate, said body portion extending from the entrance of the slot in said member to a point beyond said pin and having formed therein a pin receiving slot the opposed edges of which engage the embedded pin, the second portion of said element comprising a flange rigid with said body portion and disposed without the slot formed in said wooden member and in contact with the outer surface of said member, and means rigidly attaching the flange of said element to said wooden member.

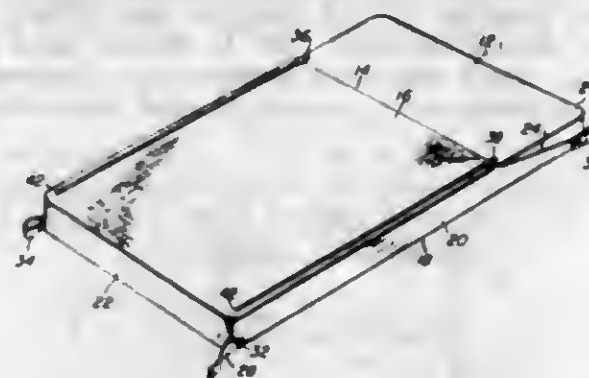
2,627,617

BED COVER

Lawrence H. Avila, Oakland, Calif., assignor to Avila Products Co., Oakland, Calif., a corporation of California

Application June 12, 1950, Serial No. 167,590

1 Claim. (Cl. 5—343)



A bed cover comprising a substantially rectangular sack open at one end for the reception of a mattress, said sack including a bottom panel, a relatively short top panel, and side walls and an end wall connected to said bottom and top panels, said top panel comprising intumed longitudinal marginal flanges on the side walls and a flap between said flanges, separable fasteners detachably connecting the free longitudinal edges of the flanges and the flap, and means for securing the corner portions of the sack to a bed.

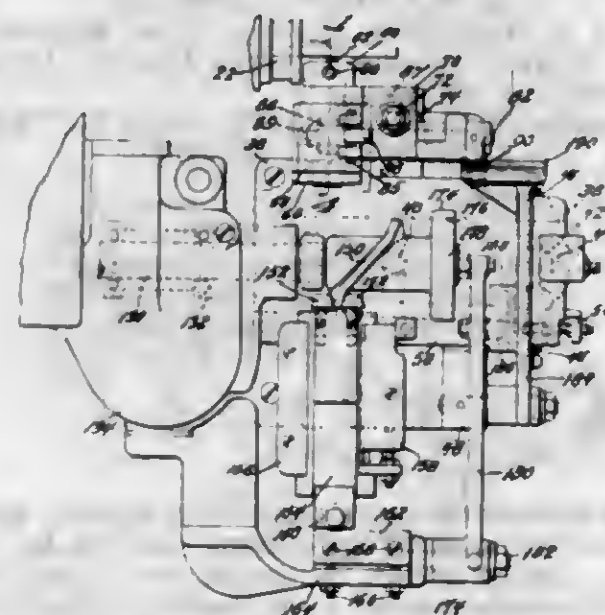
2,627,618

AUTOMATIC SCREW AND SIMILAR MACHINE

Ossian G. Holmes, Riverside, R. I., assignor to Brown and Sharpe Manufacturing Company, Providence, R. I., a corporation of Rhode Island

Application July 30, 1949, Serial No. 107,750

6 Claims. (Cl. 10—101)



1. In a screw machine, the combination with a driven work spindle, and a tool slide mounted for travel in a path transverse to the axis of the spindle, of a tool carriage mounted on said slide for movement in a path parallel to the axis of the spindle, a tool holder rotatably supported on the tool carriage for rocking movement about an axis transverse to the work axis, and actuating means including a tool slide operating cam, a tool carriage operating cam, and a toolholder operating cam, and means for driving each of said cams and work spindle in timed relation with one another in accordance with an auto-

matic cycle, connections from the respective cams for moving said tool carriage and tool slide with relation to the work spindle for causing a tool mounted thereon to cut a helical groove of varying pitch in the work, and an actuating connection from the toolholder operating cam timed with relation to the movements of said carriage and slide for rocking the tool holder in a direction and to an extent corresponding with the pitch of said groove whereby the relation of the tool to the contacting sides of the groove is maintained substantially unchanged.

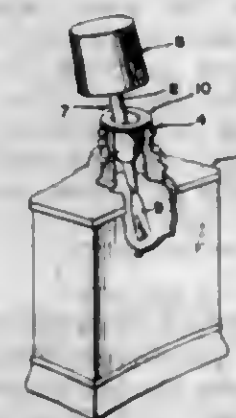
2,627,619

NAIL LACQUER BOTTLE ASSEMBLY, INCLUDING BRUSH WIPER

Joseph Wilfrid Gagen, Bronxville, N. Y.

Application July 29, 1947, Serial No. 764,434

2 Claims. (Cl. 15—121.3)



2. In combination with a nail lacquer bottle or the like having a relatively large body portion for containing a viscose liquid such as nail lacquer and a small neck through which a nail brush is to be projected to withdraw the liquid from the bottle for use, a brush wiper unit of somewhat deformable material comprising a body portion the outer periphery of which is snugly received in the neck of the bottle, flange means at the top of said body portion and lying over the top edge of the bottle lip thereby to hold the wiper unit in predetermined relationship with respect to the neck of the bottle, and a brush wiper and guiding portion integral with and projecting downwardly from the lower end of said body portion and having at the bottom an opening through which a brush is to be guided as the brush is inserted into the bottle, said brush wiper unit including a brush wiper portion at the periphery of said opening adapted to wipe the excess liquid from the brush as the brush is withdrawn from the bottle, said brush wiper and guiding portion having a slit at said opening whereby the lower portion thereof may be somewhat deformed, said unit being adapted to be used with a brush of slightly lesser diameter than said opening and presenting surfaces which frictionally engage the inner surface of the neck of the bottle.

2,627,620

LIQUID APPLICATOR OF THE ROLLER TYPE

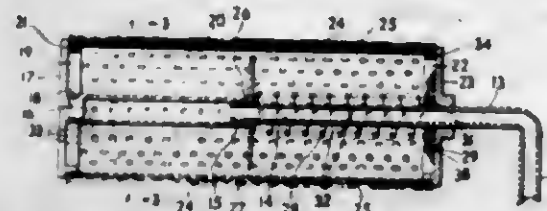
George W. Gudze, Philadelphia, Pa.

Application February 17, 1950, Serial No. 144,711

4 Claims. (Cl. 15—128)

1. A liquid applicator comprising piping for supplying liquid thereto, a rotatable foraminous cylinder, head members forming closures at each end of the cylinder, means for detachably securing the ends of the foraminous cylinder to said head members, one of said head members being

entirely closed and having a portion journaled at the end of the piping, and the other of said head members being journaled on another portion of said piping, a coil spring on a portion of the piping which extends into said cylinder, an abutment within the cylinder against which one end of the spring bears, a sealing washer disposed within the cylinder and pressed against the inner face of one of the head members by



the other end of said spring, said sealing washer having a lip portion extending inwardly around the piping to seal the place where one of the head members is journaled thereon, the portion of the piping which extends into the cylinder being perforated to permit the liquid to flow through said piping to the interior of said cylinder, and the outside of the cylinder having a tubular porous textile envelope removably mounted thereon.

2,627,621

COSMETIC APPLICATOR

Madeline M. Bardugon, Verona, N. J.

Application January 25, 1947, Serial No. 724,285

1 Claim. (Cl. 15-206)



A lipstick spreader comprising an assembly of a plurality of short, soft and pliable fibers located between, disposed along substantially the entire length of, and carried by a pair of wires twisted around each other so that the fibers extend approximately radially in all directions forming a soft and thick outer fiber coat along substantially the entire length of said wires, a support for said assembly, said support comprising an enlarged head adapted to be held by a thumb and the first two fingers of a normal hand, and a relatively narrow and elongated member extending from said head and having a longitudinally extending recess therein, said assembly being in the shape of a loop with the legs thereof extending into said elongated opening with substantially only the loop portion thereof located outside of said member, the length of said legs in said opening being substantially greater than the greatest dimension of said loop.

2,627,622

COMBINED BATHROOM STOOL AND SHOESHINE BOX

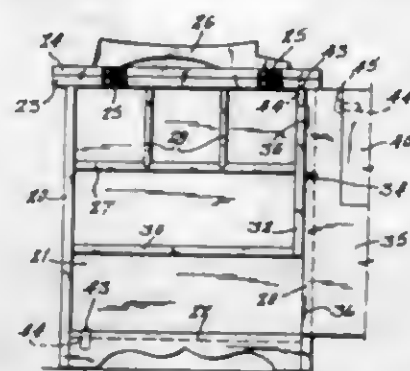
James Kahl, Bronx, N. Y.

Application August 22, 1950, Serial No. 180,788

1 Claim. (Cl. 15-265)

In a combined stool and shoe shine box, a cabinet for having stored therein shoe shining supplies and having a top wall structure for normally closing in the cabinet over the entirety of the top thereof whereby then said top wall struc-

ture constitutes the stool seat, said top wall structure including a permanently fixed top wall portion and an adjacent panel hingedly connected to said fixed top wall portion, a footrest fixedly carried by said panel at what is normally the under side thereof whereby when said panel is swung to participate in the provision of said stool seat the footrest is concealed and dependent into the interior of the cabinet and when said panel is swung through 180° to overlie said permanently fixed top wall portion the footrest is rigidly erected above the top of said cabinet, said



cabinet having an open side beneath said panel, a door pivotally mounted on said cabinet to close said open side and to swing on a vertical axis, and means on said door for providing a clearance so that a polishing cloth can be freely pulled to and fro across the top of a shoe resting on said footrest, said clearance providing means comprising a top portion cut from said outer door, said top portion being hinged to said outer door to swing on a horizontal axis so as to be lowerable out of the way along the outer face of said outer door, and means releasably holding said top portion in its raised position.

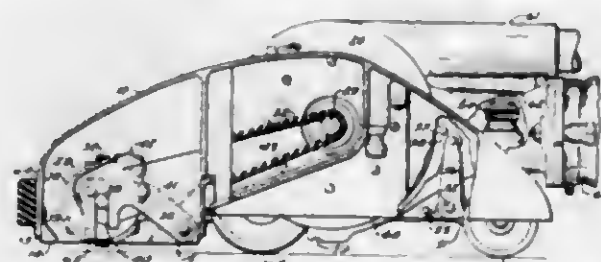
2,627,623

AGITATOR RAISER AND BELT RELEASE FOR SUCTION CLEANERS

Warren A. Humphrey, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application February 15, 1949, Serial No. 76,535

3 Claims. (Cl. 15-372)



1. A suction cleaner comprising, a body, motor driven suction creating means carried by said body, a pulley driven by the motor of said suction creating means, said cleaner including a suction nozzle interiorly connected to the suction side of said suction creating means, a rotary agitator in said nozzle, said agitator being mounted for bodily movement upwardly into said nozzle toward and away from the surface contacting lips thereof, said agitator including a driving pulley, a transmission belt drivingly connected about said pulleys, said agitator mounting being pivoted to the lower rear portion of said nozzle in such manner as to be movable upwardly and rearwardly into said nozzle toward said motor driven pulley, a handle for propelling said cleaner over a surface to be cleaned, said handle being movable from a propelling position to a non-pro-

PELLING position and means actuated by movement of said handle to its non-propelling position for pivoting said agitator mounting means upwardly and rearwardly into said nozzle away from the surface to be cleaned; the arrangement being such that upward and rearward movement of said agitator into said nozzle reduces the distance between said pulleys whereby the belt tension is slackened to such an extent that the driving contact between the belt and pulleys is released.

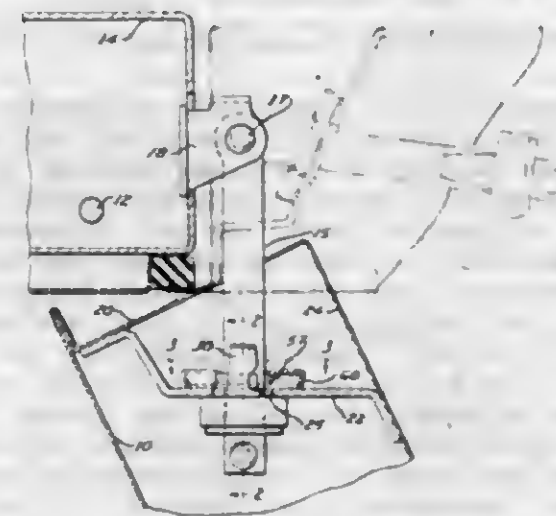
2,627,624

DOOR CHECK AND HOLDING DEVICE

Rudolph I. Schonitzer, Shaker Heights, Ohio

Application May 3, 1948, Serial No. 24,793

14 Claims. (Cl. 16-86)



12. A door check and holding device for retaining a closure member and a supporting frame member in predetermined position with respect to each other, said device comprising a link adapted to be connected to one of said members, resilient means carried by said link, a bracket having an opening bounded on opposite sides by spaced apart raised channel shaped portions, said bracket being adapted to be carried by said other member, a pair of independent non-connected ribs carried by said bracket in said channel shaped portions and adapted to engage said resilient means when said members are in one position with respect to each other; said bracket including separator means integral with said channel shaped portions and extending between said ribs to space said ribs apart, and stop means disposed to engage the opposite end portions of each of said independent ribs to restrain said ribs against endwise movement out of said channel portions.

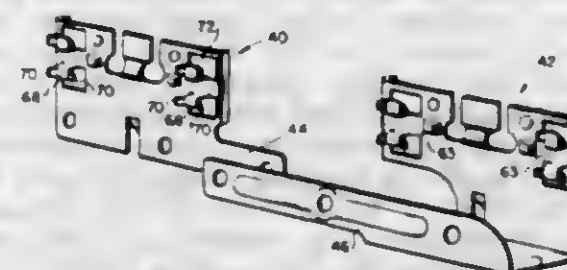
2,627,625

CURTAIN CARRIER

Fred W. Kunath, Cranston, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I., a corporation of Rhode Island

Application March 8, 1951, Serial No. 214,610

8 Claims. (Cl. 16-93)



1. A curtain carrier for a slotted traverse curtain rod comprising, a sheet metal base plate

adapted to be disposed in a vertical plane, said base plate being perforated in at least two separate places with the metal between said perforations defining a cross bar, a part of the metal which formerly occupied each said perforation being integral with said cross bar and standing forward to define shank sections in spaced relationship, and a retaining member integral with each said shank section comprising metal bent into a plane substantially parallel to the base plate and extending outwardly of said shank section to overlap the inner edges of the traverse rod slot when the carrier is mounted therein with the shank sections passing through said slot.

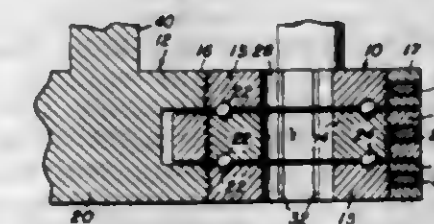
2,627,626

BEARING MOUNTING

Vaughn L. Crile, Washington, Pa.

Application November 10, 1949, Serial No. 126,573

2 Claims. (Cl. 16-131)



1. A hinge comprising a first hinge plate having a pair of spaced lugs, said lugs each having an annular bearing groove formed in the inner faces thereof, a member having annular bearing grooves formed in the opposed faces thereof, said member being interposed between said lugs with each of the bearing grooves on the member registering with the bearing groove in a different one of said lugs, bearing elements disposed in the grooves between the member and the lugs, a second hinge plate, and means attaching said second hinge plate to said member for movement relative thereto parallel to the axis of rotation of said member relative to said lugs.

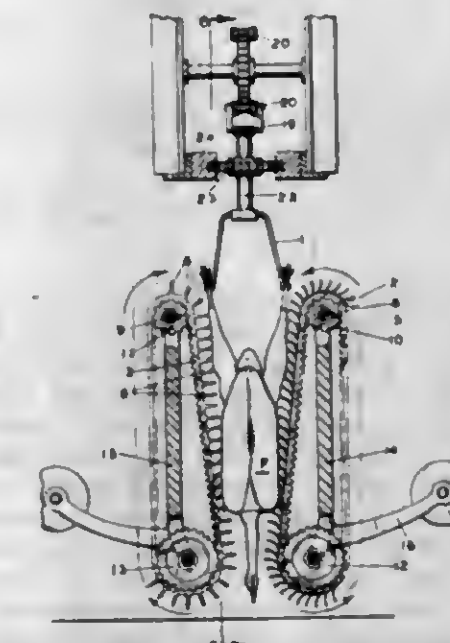
2,627,627

DEFEATHERING DEVICE

George F. McDougall, Portland, Oreg.

Application April 3, 1951, Serial No. 219,057

7 Claims. (Cl. 17-11.1)



1. A machine for removing feathers from a fowl in preparation for marketing comprising an

endless rubbery belt member, upstanding spaced ribs of like material across the outside surface of said belt made unitary therewith, pulleys upon which said belt is revolvably mounted in spaced relationship to provide reaches of the belt between the pulleys and means for driving the belt by revolving the pulleys.

2,627,628

MOLDING CUSHION

Victor T. Paré, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 25, 1949, Serial No. 112,220
3 Claims. (Cl. 18-17)

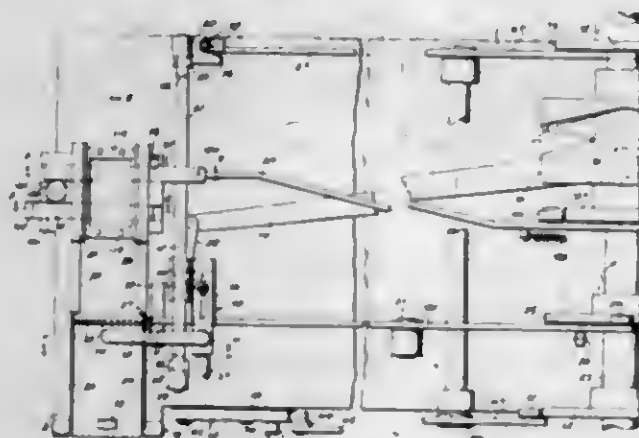


1. In a molding apparatus, a mold platen having a recess defined by rigid walls in one face thereof, a diaphragm of relatively thin flexible material secured to the walls defining said recess thereby defining a completely sealed chamber in said platen, a cushion comprising an alloy completely filling said chamber, said alloy being characterized by having a substantially zero co-efficient of expansion in passing between the molten and the solid states, and said alloy being characterized further by having a substantially zero co-efficient of expansion with time after solidification thereof, whereby said cushion may accommodate a heating of said platen during a part of a molding process followed by a chilling of said platen.

2,627,629

MACHINE FOR CREASING BOX BLANKS

Louis Triolo, Brooklyn, N. Y.
Application August 4, 1949, Serial No. 108,456
10 Claims. (Cl. 18-19)

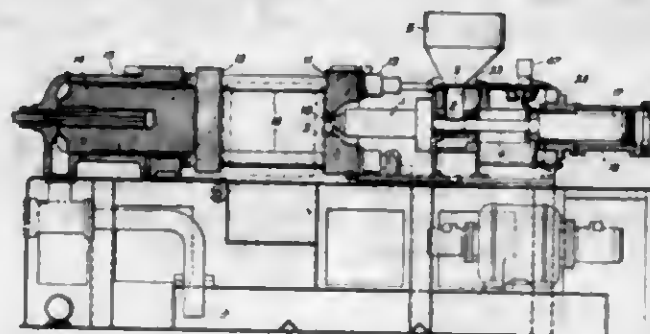


1. A machine for creasing box blanks made from plastic material and comprising a frame, a support for a pile of the blanks, fixed and movable dies for creasing the blanks, at least one of such dies being provided with heating means, and means for conveying the blanks, one by one, from the pile to the creasing dies and comprising a longitudinally movable conveyor assembly provided with pick-up means arranged to remove the top blank and convey the same to the creasing dies, and laterally movable trackways mounted on the frame which engage opposed edges of the blank during conveying and which move inwardly as the movable die approaches the fixed die.

2,627,630

INJECTION MOLDING MACHINE

Francis S. Farley, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application February 25, 1950, Serial No. 146,221
14 Claims. (Cl. 18-30)

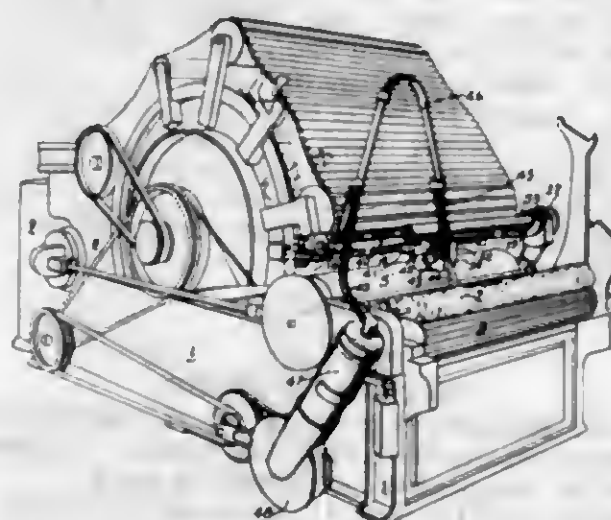


1. Apparatus for successively receiving and discharging material, said apparatus including a cylinder having a discharge passage and a side loading port spaced backwardly from said passage, a plunger having an end reciprocating in said cylinder and having advance and return limit positions, said end and port being constructed and arranged so that said end clears said port varying amounts depending on said plunger's return limit position, adjustable means for stopping said plunger at its return limit position, and means for adjusting said adjustable means prior to said plunger's return to its return limit position and substantially in proportion to said plunger's preceding advance limit position.

2,627,631

CARDING METHOD AND APPARATUS

Agustín Masallera Castell, Barcelona, Spain, assignor to C. A. Constant Card, a corporation of Spain
Application January 15, 1949, Serial No. 71,147
In Spain May 16, 1944
19 Claims. (Cl. 19-98)



1. A method of improving the carding effect of carding cylinders which comprises the steps of applying suction to the web of fibers being carded on the carding cylinders, such suction being continually shifted across the surface of the cylinder as said cylinder rotates, continually returning the fibers carried away by said suction to the web of fibers, and distributing said returned fibers over the surface of said web, while it travels to the flats, in a rhythm and pattern conforming to the shifting of the suction across the surface of the carding cylinder.

2,627,632

DOOR CONSTRUCTION

Clyde W. Kelly, Detroit, Mich., assignor to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application April 4, 1949, Serial No. 85,383
16 Claims. (Cl. 20-35)

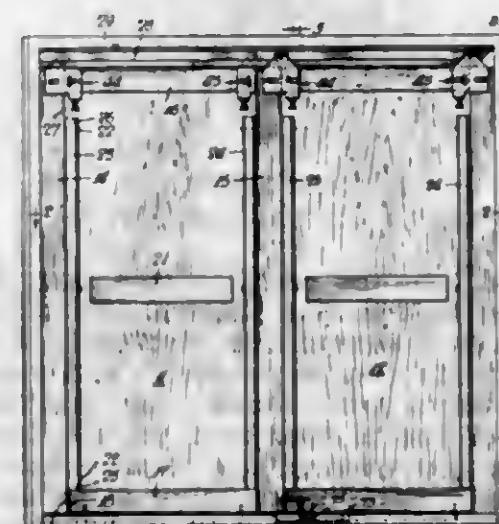


4. Muntin bar structure comprising a hollow bar having a pair of laterally spaced longitudinally extending flanges along one side, slidable attaching clips in said bar having a first portion slidable longitudinally within said bar and guided for slidable movement thereby and a second portion located between said flanges, said second portion provided with a reduced extension movable beyond the end of said bar.

2,627,633

DOOR REINFORCEMENT MEANS

Arthur Shectman, Jamaica, N. Y.
Application October 18, 1949, Serial No. 121,925
1 Claim. (Cl. 20-5)



A sliding door comprising a substantially rectangular panel of a single sheet of relatively thin wood stock, reinforcing strips along each of the edges thereof and affixed to the same face thereof, the strips along the top and bottom edges of said door being straddled by and spaced from the strips along the side edges of said door, a rigid member of tubular stock affixed to each of said last named strips respectively and resting on said panel, the lower ends of said tubular members resting on the bottom strip and the upper ends of said members being spaced from said top strip.

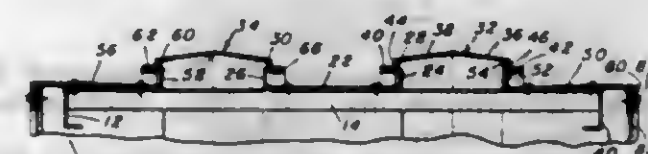
2,627,634

VENTILATED METAL AWNING

Robert G. Gunter, Salt Lake City, Utah, assignor to Kool-Breeze Awning Co., Salt Lake City, Utah
Application August 5, 1949, Serial No. 108,726
6 Claims. (Cl. 20-57.5)

1. In the roof of a ventilated metal awning, the structural combination of a pair of elongate

lower channels each having a substantially flat web member and a ventilation apertured, upstanding, longitudinally marginal leg member whose upper end is turned inwardly of the channel as a flange providing an elongate locking tongue wholly overlying said web member and wholly overhanging the ventilation apertures of said leg member, said lower channels lying side by side in mutually spaced relationship and with their said upstanding legs disposed in opposing adjacency; a correspondingly elongate, upper channel inverted with respect to said lower channels and bridging the space between the latter, said upper channel having inturned longitudinal

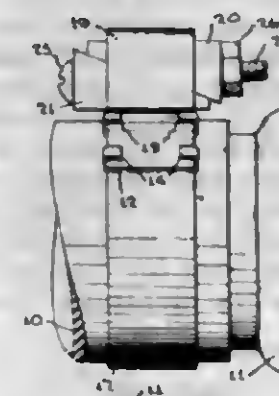


margins forming U-shaped locking members which respectively receive the inturned locking flanges of the said lower channels in interlocking engagement, the bends of the respective U-shaped locking members providing the outer longitudinal edges of said upper channel, and the free longitudinal edges thereof terminating short of the upstanding portions of the leg members of said lower channels, whereby the said interlocking members of said lower and upper channels wholly overlie the said web members of the lower channels and wholly overhang the said ventilation apertures of the leg members of said lower channels, providing protection therefor against the weather.

2,627,635

HOSE CLAMP

Robert W. Seltzer, Hartford, Conn.
Application June 1, 1951, Serial No. 229,394
1 Claim. (Cl. 24-19)



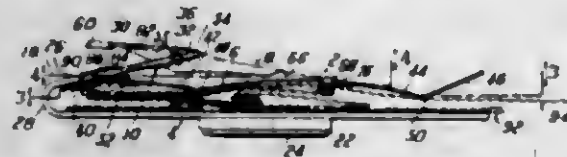
A hose clamp comprising a plate curved longitudinally to extend transversely of a hose to be clamped; a pair of ears at each end of the plate, the ears of each pair extending transversely of and above the convex side of the plate toward one another to provide a guideway at each end of the plate; an elongated, flexible band proportioned to encircle said hose and having overlapping ends, one end of the band extending a substantial distance within and being slidably engaged in one guideway, and the other end of the band extending a substantial distance within and being slidably engaged in the other guideway, said band having formed therein, adjacent its respective ends, overlapping loops of inverted U-shape disposed between the guideways and having their bights spaced above the mid-length area of the plate; a pair of complementary, tapered wedges extending transversely of the plate and band in the space between said bights and said plate and arranged for forcing the

bights away from the plate responsive to movement of the wedges toward one another, each of said wedges having a longitudinal bore of circular cross section opening at its opposite ends upon the wide end of the wedge and one of the tapered side surfaces thereof, the sidewall of said bore being closed between the ends thereof; a bolt extending through said bores and having a head engaging one wedge at its wide end; and a nut threaded on the bolt engaging the wide end of the other wedge to draw the wedges toward one another responsive to threading of the nut toward said head of the bolt.

2,627,636

NECKTIE CLASP

Robert A. Brown, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application November 19, 1951, Serial No. 257,055
6 Claims. (Cl. 24-49)



3. A clasp for neckties comprising an elongated bar having one end thereof bent backwardly upon itself to provide a supporting arm in spaced relation to the bar, an operating lever pivotally carried by said supporting arm, and a clamping member having one end thereof fixedly secured to said supporting arm at a portion spaced a fixed distance from the pivot of the lever with the main portion thereof disposed for normally clamping portions of a shirt front and necktie against said bar, means longitudinally slidably connecting an end portion of said lever relative to an intermediate portion of said clamping member so that upon depression of said lever, relative longitudinal movement between said end portion of the lever and said clamping member is effected and the free end portion of said clamping member is moved relatively away from said bar a distance greater than the distance the remaining portions of the clamping member move so as to receive the portions to be clamped with facility, and spring means interposed between said lever and said supporting arm for resiliently maintaining the former in its clamping relationship.

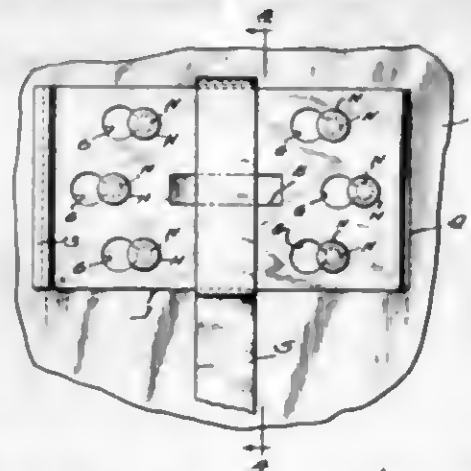
2,627,637

ANCHOR PLATE

Donell F. Downing, Glen Ellyn, Ill., assignor to A. J. Gerrard & Company, Melrose Park, Ill., a corporation of Illinois
Application May 2, 1949, Serial No. 90,796
7 Claims. (Cl. 24-73)

1. A detachable anchor plate comprising a substantially flat plate member having a relatively small opening therein adapted to receive the shank of a securing means for firmly securing said plate to a supporting surface without shifting, said plate having a relatively large opening therein of a size to permit free passage therethrough of such securing means when aligned therewith, said openings being connected by a passageway, the width of which is less than the corresponding dimension of the small opening and the shank, whereby the plate is adapted to be detached from the surface to which it is affixed by application of a force to the plate causing the passageway to be deformed allow-

ing the shank of the securing means to enter the large opening permitting the plate member



to be detached from the surface to which it is affixed.

2,627,638

TERMINAL FOR WRISTBANDS FOR WATCHES

Alfred Pinson, Stamford, Conn., assignor to Apex Accessories Co., Inc., Greenwich, Conn.
Application July 30, 1951, Serial No. 239,249
4 Claims. (Cl. 24-235)



1. A band terminal comprising a liner having a fixed arm to one side thereof and co-planar with the liner, a second arm pivoted to the liner to swing to and from the fixed arm and co-planar with said fixed arm, means for limiting the movement of the pivoted arm on the liner and providing a gap between the arms, a latch pivoted on the liner and extending from the fixed arm towards the pivoted arm, a helical spring mounted on the liner and having its ends connected respectively to the latch and to the pivoted arm, said spring normally tending to move said latch and arm apart, said latch and pivoted arm having coupling means adapted to interlock by the action of said spring, whereby the gap between the arms is spanned by said latch, said latch being adapted to disengage the pivoted arm when it is moved against the resistance of the spring, a cover for the liner with its fixed arm, and a cover for the pivoted arm.

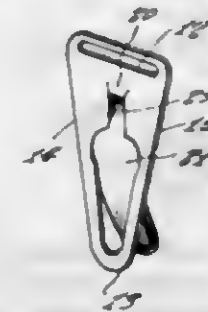
2,627,639

GARTER SUPPORTER

Adolph Ellertsen, Brooklyn, N. Y.
Application April 24, 1952, Serial No. 284,142
1 Claim. (Cl. 24-245)

A garter fastener comprising a wedge-shaped plate having a central perforation, the said perforation consisting of a narrow substantially rectangular top portion leading into a circular upper portion and the latter continuing into a wedge-shaped lower portion, a tab of a configuration

complementary to that of the said perforation integrally connected at its upper end to the said plate, the said tab having at its upper end a narrow strip curved out of the plane of the said tab, in order to provide resiliency in the relative longitudinal movement between the said tab and the said plate, the said tab having a channel

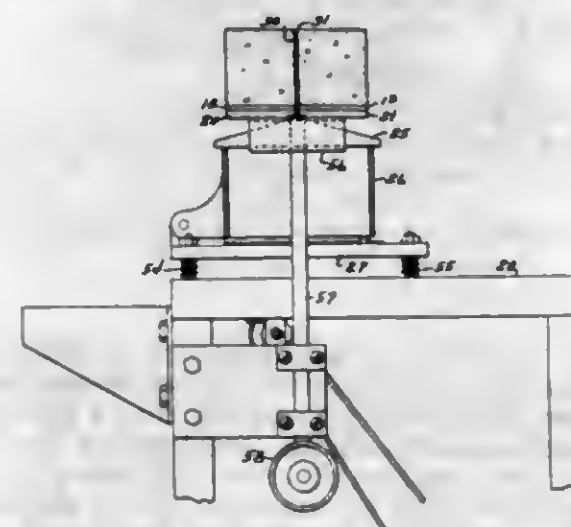


along its peripheral edges receiving the edges of the perforation of the said plate, the said tab being slightly raised relative to the said plate in inoperative position, whereby a slight downward movement of the said tab will result in a wedging interaction between the tab and the plate for fastening to a garment.

2,627,640

APPARATUS FOR FRACTURING BLOCKS OF GREEN FRANGIBLE MATERIAL

Emil Garnich, Egg Harbor City, N. J.
Application September 14, 1950, Serial No. 184,863
8 Claims. (Cl. 25-1)



1. A holder for a block of frangible material comprising an elongated panel, end plates having hand gripping knobs on the outer surfaces hinged to the ends of the panels, means resiliently urging the said end plates against the ends of a block upon which the holder is positioned, said panel and end plates having inwardly extended lips on the inner edges thereof, a pallet also having a lip on the inner edge upon which the block is positioned, and rails having sloping surfaces upon which the pallet with the block of material thereon is positioned.

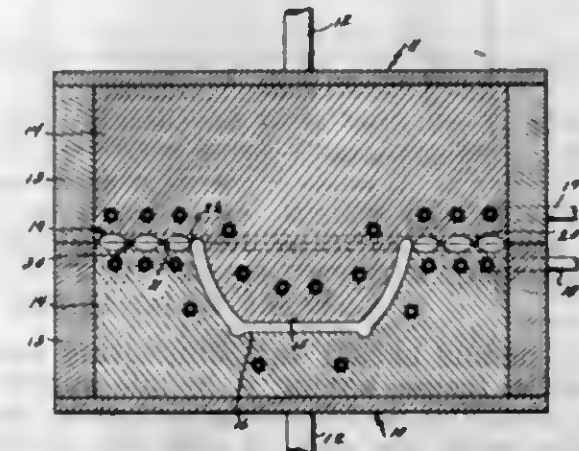
2,627,641

MULTIPLE GUTTER MOLD

Richard E. Steele and Jacob Jordan, New Castle, Pa., assignors to Ram, Incorporated, Detroit, Mich.
Application July 14, 1949, Serial No. 104,638
3 Claims. (Cl. 25-129)

2. A mold for pressing plastic clay to form shaped ware comprising cooperable mold sections of a permeable, moisture absorbent material adapted to move between an open position for

placing clay therebetween and removing the pressed ware therefrom and a closed position for shaping the ware and placing the clay under pressure, said mold sections having opposed contoured surfaces defining a ware cavity when the mold is in the closed position, a plurality of concentric spaced projections surrounding the contoured surfaces of the mold sections and positioned in opposed relationship on the mold faces thereby defining a plurality of concentric gutters surrounding the contoured surface, the projections being of a height such that opposing



projections are spaced apart establishing restricted passages therebetween when the mold sections are in the closed position whereby the clay in excess of that for the ware flows outwardly into the gutters through said restricted passages and the pressure on the clay progressively decreases outwardly in successive gutters, an apertured conduit positioned in the mold sections for the discharge of fluid under pressure to release the ware from the mold sections, and means for supplying a fluid under pressure to the conduits.

2,627,642

METHOD OF VESICULATION

Raymond G. Osborne, Los Angeles, Calif., assignor of one-fourth to Raymond G. Osborne, Jr., one-fourth to Howard S. Osborne, and one-fourth to Philip S. Osborne
Application March 17, 1950, Serial No. 150,250
5 Claims. (Cl. 25-157)



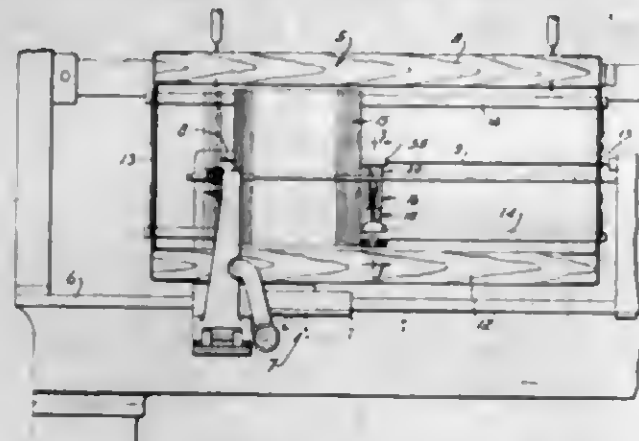
1. A method of controlling the vesiculation of argillaceous materials and the formation of vesiculated particles having a desired strong surface film which comprises: forming argillaceous particles of relatively narrow range in size; feeding said particles through a heating zone in counterflow relation to hot fire gases into a zone of maximum heat and then through a cooling zone; and controllably introducing regulatable quantities of water from an external source into the heating zone and at a zone just prior to the passage of the particles into the zone of maximum heat.

2,627,643

UNIVERSAL HEDDLE BACKER FOR WARP DRAWING MACHINES

Charles B. Crandall and Franklin L. Townsend, Loves Park, Ill., assignors to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application October 26, 1951, Serial No. 253,428
18 Claims. (Cl. 28-46)

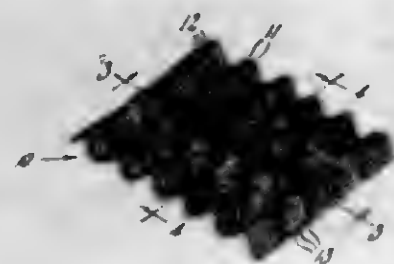


1. In a heddle backer for compacting heddles in a heddle frame having a heddle supporting rail, the combination of a member having means engageable with one edge of said rail, a second member having means engageable with the other edge of said rail, and means for holding the respective members in gripping relation to the rail, one of said members having a heddle engaging portion.

2,627,644

SINGLE-PLY CORRUGATED FABRIC AND METHOD OF MAKING THE SAME

Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 24, 1950, Serial No. 170,197
11 Claims. (Cl. 28-73)



7. The method of making a single-ply corrugated fabric having symmetrical corrugations, which comprises weaving a single ply fabric having extending lengthwise thereof alternate rows of heat-shrinkable warps and non-heat-shrinkable warps, passing this fabric longitudinally between meshing gears to crimp the fabric transversely, and heating the fabric so that the heat-shrinkable warps will contract and cause the other warps to bend where crimped and form a symmetrical corrugated fabric.

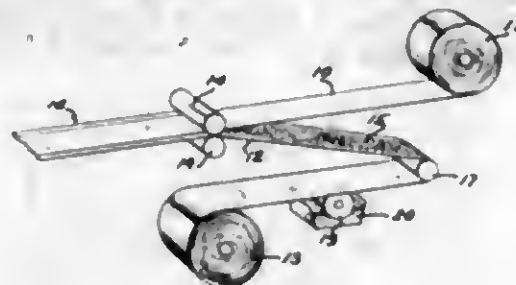
2,627,645

METHOD OF MANUFACTURING CONDENSERS

Robert A. Harris, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 11, 1947, Serial No. 733,815
1 Claim. (Cl. 29-25.42)

A method of making condensers which comprises applying adhesive to one side of a strip of dielectric, pressing a strip of metal foil onto

the strip of dielectric and the adhesive thereon to adhere one side of said strip of foil to said strip of dielectric to form a composite strip wherein the other side of said foil is uncoated,

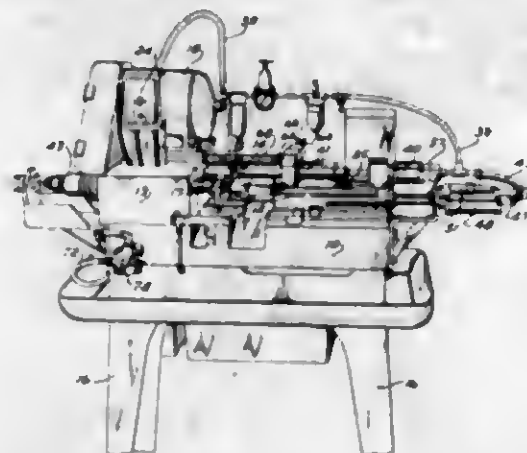


winding a pair of said composite strips into a condenser, and inserting terminal members in contact with the uncoated side of said strips of foil during the winding of said condenser.

2,627,646

AUTOMATIC SCREW MACHINE

Richard D. Perry, Elyria, and Ross Baumgardner, Grafton, Ohio, assignors to The Perry-Fay Company, Elyria, Ohio, a corporation of Ohio
Application June 23, 1948, Serial No. 34,714
8 Claims. (Cl. 29-42)



1. In a machine tool embodying a rotatively driven work-holding spindle, a chuck-operating mechanism, a movable gauge stop, and a plurality of reciprocative tool slides, mechanism for the control of the sequential order of operation of the chuck-operating mechanism, gauge stop and tool slides comprising an electric switch on said gauge stop, a fluid-operated piston cylinder assembly interlinked with said chuck-operating mechanism, a solenoid valve therefor electrically connected with said gauge stop switch, fluid-operated piston cylinder assemblies on the tool slides, solenoid valves therefor electrically connected to said chuck-operating solenoid, and fluid-operated means coupled with one of the tool slide piston cylinder assemblies for actuating said gauge stop.

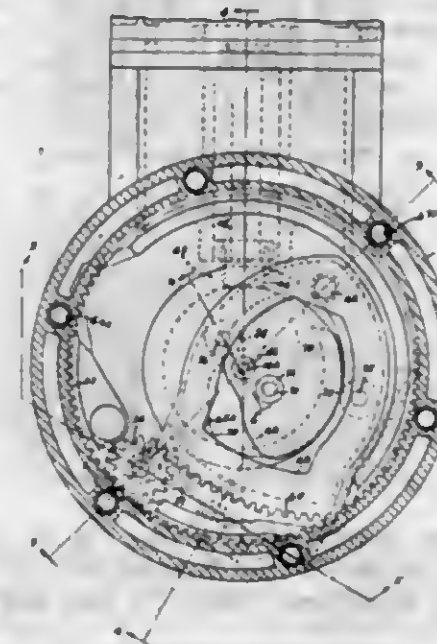
2,627,647

INDEXING MACHINE

Llewellyn A. Hautau, Detroit, Mich., assignor of one-half to Charles F. Hautau, Detroit, Mich.
Application June 14, 1951, Serial No. 231,593
8 Claims. (Cl. 29-50)

6. An indexing machine comprising in combination, a base having a stationary central portion, an annular table rotatable about said central portion and overhanging said base, a ring gear on said table, a pinion arranged to move into and out of engagement with said ring gear, a pin mounted for opposite movement with respect to the movement of said pinion and ar-

ranged to engage openings in said table, a rocker arm for elevating and lowering said pinion and pin, a bell crank having a gear segment arranged to engage a gear segment on said rocker arm, cams for moving said bell crank, a second bell

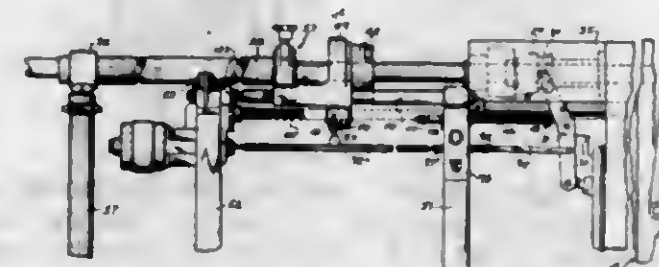


crank having a gear segment in slidable constant mesh with said pinion, cams for moving said second bell crank, and a shaft for rotating said cams, said last named shaft being driven by a shaft which is arranged for intermittent connection with a constant power source.

2,627,648

MOTOR-DRIVEN STOCK FEED

Fred H. Bogart, South Euclid, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1948, Serial No. 41,639
20 Claims. (Cl. 29-59)



13. In a stock feeding and gripping device for a machine tool, a stock gripping means, a control member for effecting operation of said means to and from stock gripping position, a stock feeding head adapted to engage a length of stock and feed the latter when said stock gripping device is in released position and said head is moved in one direction, the said head being adapted to slip over the stock when the head is moved in the opposite direction and the stock is gripped by said stock gripping means, electrically operated power means for selectively moving said head in either direction, an electrical circuit for controlling the operation of said power means, switch means in said circuit actuated by movement of said control member in a direction for effecting release of the stock gripping means to initiate operation of said power means in a direction for feeding stock through the gripping means, switch means in said circuit actuated by said feeding head when the latter has moved a predetermined distance for terminating operation of said power means, switch means in said circuit actuated by movement of said control

member in the direction for effecting gripping of the stock by said gripping means to initiate operation of said power means in a direction for moving said feeding head away from said gripping means so that the said head strips rearwardly over the stock to a new position thereon, and switch means in said circuit actuated by said head when the latter has moved a predetermined distance in said rearward direction to terminate operation of said power means, whereby each complete reciprocation of said feeding head feeds the stock a predetermined distance.

2,627,649

METHOD FOR MAKING CONNECTORS WITH HARD PARTICLE LINING

Irving F. Matthisse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York

Original application August 7, 1948, Serial No. 43,023, now Patent No. 2,576,528, dated November 27, 1951. Divided and this application April 5, 1950, Serial No. 154,069
4 Claims. (Cl. 29-148)



1. In the method of manufacturing an electrical connector sleeve made of copper tubing requiring heating to soften the same to render it readily malleable for indenting to a hard copper conductor, the steps of forming on the inner surface of the sleeve a coating containing sprayed beryllium copper particles, and heating to anneal the sleeve and to harden the particles for use as a keying material when the connector is indented to the conductor.

2,627,650

METHOD OF MAKING VANE TRACKS FOR HYDRODYNAMIC MACHINES

Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 9, 1946, Serial No. 709,019
2 Claims. (Cl. 29-156.8)



1. The method of making a part of a vane track, which includes a plurality of bridges spaced around a common center and flexible track sections arranged between adjacent bridges, comprising the steps of cutting a metal bar which is rectangular in cross-section to a given length, machining said bar to form a bridge part and two flexible track sections which extend from near adjacent corners of said bridge part, machining said tracks sections to taper the same so that they are substantially thinner adjacent said bridge part than at the free ends thereof, machining the face of said bridge part between said track sections to a given radius, heating said track sections and at least the adjacent portion of said bridge part, bending said track sections while hot in a bending die to approximately said radius, and cooling said track sections while in the bending die.

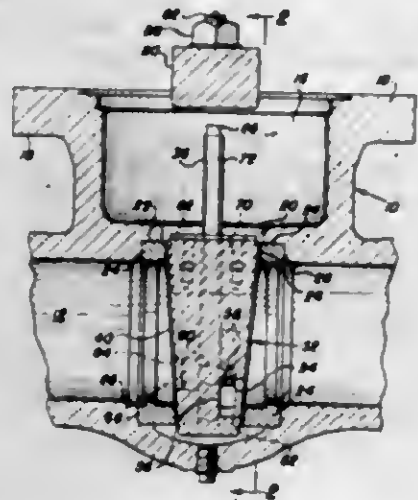
2,627,651

METHOD FOR ASSEMBLING PARTS OF GATE VALVES

David MacGregor, Munster, Ind., assignor to Edward Valves, Inc., East Chicago, Ind., a corporation of Indiana

Application May 25, 1949, Serial No. 95,254

1 Claim. (Cl. 29-157.1)



The method of assembling opposed valve seat members and valve gate guide ribs within an integral valve body having shouldered recesses for receiving said seat members comprising the steps of inserting said seat members into said recesses in said body in approximately properly assembled position, assembling said guide ribs in properly spaced relation in pressure applying means externally of said body, forcibly urging said pressure applying means carrying said guide ribs into said body to apply pressure to said seat members to urge said seat members apart into engagement with said shouldered recesses and to locate said ribs in substantially operating position with respect to said seat members in light contact with the valve body wall, welding said seat members and a portion of each of said ribs to said body, removing said pressure applying means, applying fillet welds along each side of said ribs to permanently secure the same to the valve body, and applying circumferentially spaced corrective welds to the valve body wall above said seat members and circumferentially spaced from said guide ribs to compensate for the distorting effect of said fillet welds.

2,627,652

METHOD OF MAKING AN ELEMENT HAVING A FIN

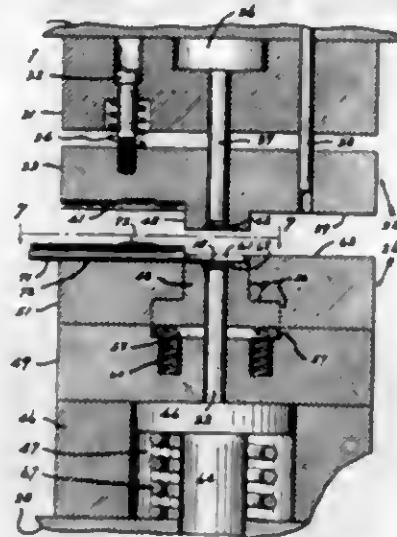
Sylvester M. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 29, 1949, Serial No. 118,487

1 Claim. (Cl. 29-157.3)

The method of making an element having a fin portion with a central hole therein bounded by a collar projecting from both sides of the fin portion which consists in, placing a malleable piece of metal in a cavity in one part of a single die set adapted to have parts thereof moved into cooperative relation with one another to provide a confined space of appropriate configuration for fashioning the piece into the shape desired, moving one part of the die set toward the other part thereof to cause portions of the die set to engage and apply pressure to a center portion of the piece to flow all the metal of the piece but a thin part outwardly away from said center portion into other portions of the confined space, continuing movement of parts of the

same single die set further toward one another to cause portions of the die set to sever the thin part from the piece, and simultaneously there-



with causing parts of the die set to apply additional pressure to the flowing metal to spread and fill the confined space in the die set.

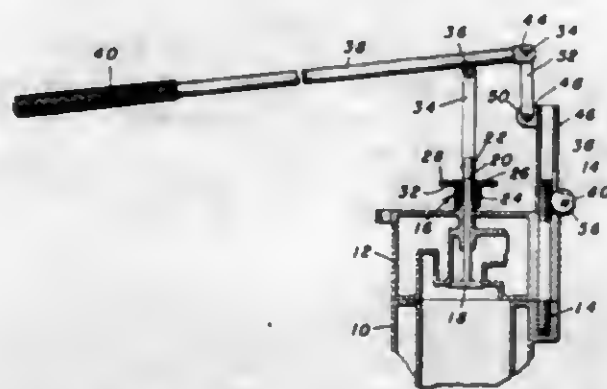
2,627,653

VALVE SPRING COMPRESSOR

William L. Wisner, Albuquerque, N. Mex., assignor of fifty per cent to Robert H. MacCready, Albuquerque, N. Mex.

Application July 25, 1949, Serial No. 106,661

3 Claims. (Cl. 29-220)



1. In a valve spring compressor including a bearing member adapted to engage the spring, an elongated lever and a member carried by said bearing member and engaging said lever intermediate its ends; the improvement comprising a means for removably and frictionally securing the lever on a cylinder block stud, said means including an elongated vertical tube adapted to slidably receive the stud, spaced lateral ears carried at the upper end of said tube, a second lever pivoted at one of its ends between said ears and at its other end to one end of said first-named lever, said tube having a longitudinal slot adjacent its lower end, and a cam roller eccentrically pivoted to said tube and adapted to extend through said slot and grip the stud in response to a downward pivotal movement of said first-named lever.

2,627,654

MINING DRILL BIT EXTRACTOR

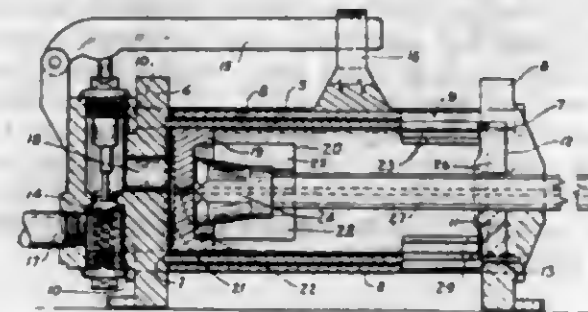
Clifford J. King, Malartic, Quebec, Canada

Application December 31, 1947, Serial No. 794,970

11 Claims. (Cl. 29-243)

1. For a pneumatic bit extractor, a cylindrical body, a pair of end blocks recessed on confronting sides to seat the ends of said cylindrical body, a concentric guard sleeve sur-

rounding said cylindrical body, a plurality of circumferentially spaced bolts with cooperating nuts extending longitudinally of said extractor, exterior of said guard sleeve and uniting said end blocks, an opening through the stop of said cylindrical body and guard sleeve at one end, a vertical slot continuing down therefrom in the adjacent end block to a point below centre, an outlet opening through the bottom of said cylindrical body and guard sleeve in substantial verti-



cal registry with said first mentioned opening for the evacuation of a freed bit, a valved inlet port in the opposite end block and a piston slidable in said cylindrical body having an axial perforation through the head thereof and a skirted portion of greater length than the mining drill bit, the open end of said skirted portion having a cut out at both top and bottom, corresponding with the said openings in said cylindrical body and guard sleeve respectively.

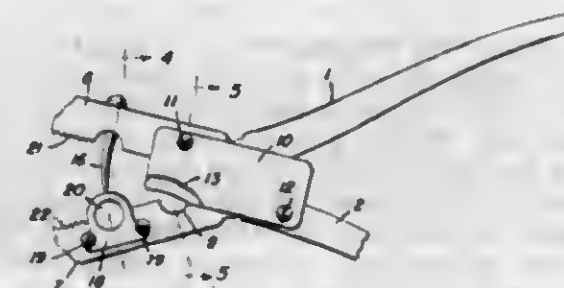
2,627,655

ROUND BELT PLIERS

Bruno Antonelli, Fall River, Mass.

Application October 31, 1949, Serial No. 124,542

1 Claim. (Cl. 30-131)



In a round belt pliers, a pair of handles having flat hubs pivoted together, said handles having a pair of associated straight jaws extending from said hubs for swinging about said pivot into opening and closing relation by movement of said handles away from and toward each other respectively, said jaws having confronting semi-circular transverse notches therein, the notch in one jaw for receiving a round belt therein when said jaws are open, and the notch in the other jaw for accommodating the belt therein when said jaws are closed, and a cutter blade fastened to one side of said other jaw, said blade closing one end of the notch in said other jaw and having a cutting edge forwardly of said pivot moving across the corresponding end of the other notch to cut the belt with a shearing action upon closing of said jaws, said blade extending along said other jaw and the associated handle and across the hub of said handle and being fastened to said handle in wiping engagement with the first mentioned jaw and its associated handle to brace the pliers against relative lateral play of said jaws and of said handles.

2,627,656

SCISSORS WITH TWIST IN EACH BLADE

Paul Richards, Sheffield, England

Application August 30, 1948, Serial No. 46,851

In Great Britain February 6, 1947

3 Claims. (Cl. 30-254)



1. Scissors comprising blades pivoted to one another, and each having along the greater part of the length thereof, on the forward side of the pivot axis, a flat face and a straight cutting edge bordering that face, and a twist on a part of the blade adjacent to the axis of pivoting so as to form an inclined shoulder in the blade adjacent but forwardly of the pivot while the front or cutting edge remains straight whereby the flat faces of the blades forwardly of the pivot are arranged at an angle to one another across the width of the blade, those faces of the blades adjacent and rearward of the pivot axis being provided with bearing parts which bearing parts abut one another.

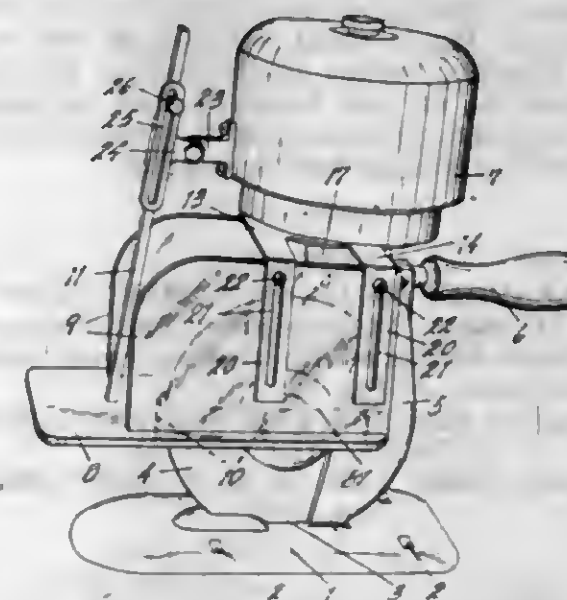
2,627,657

FABRIC CUTTER GUARD

Fred L. Etchen, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan

Application August 27, 1951, Serial No. 243,777

6 Claims. (Cl. 30-264)



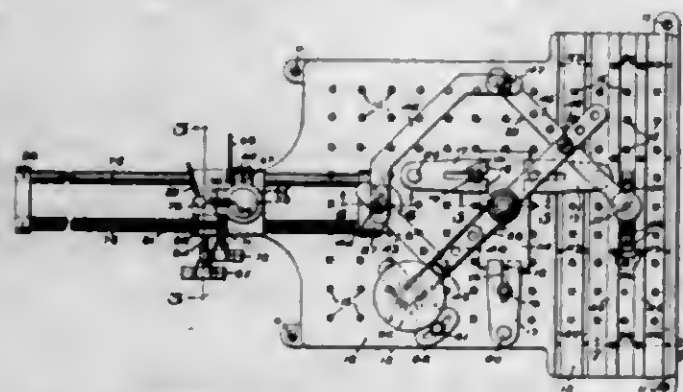
1. In combination with a fabric cutter including a shoe, an upright on said shoe, a motor including a housing carried by said shoe and a disc cutter having driving connection with said motor and disposed at the front of said upright with its rear edge guarded thereby, of a cutter guard comprising a bottom guard plate slotted to re-

ceive said cutter disc and upright and projecting forwardly beyond the cutter disc, laterally spaced side guard plates disposed on opposite sides of the cutter with their bottom edges secured to the bottom guard plate and with their front edges projecting forwardly beyond the cutter disc, brackets carried by said upright and having vertically slotted arms disposed on the outer sides of said side guard plates, screws engaging said slots for adjustably supporting said side guard plates, a post on said bottom guard plate disposed at the front of said cutter disc and between said side guard plates, a slotted bracket mounted on said motor housing to project forwardly therefrom, and a screw engaging said slot for adjustably securing said post to said bracket, said guard mounting permitting vertical and tilting adjustment of the guard relative to the cutter disc, said bottom and side guard plates being of transparent material permitting vision of the cutter disc and the shoe and facilitating the manipulation of the cutter upon the work.

2,627,658

ENGRAVING MACHINE

Edwin T. Green, Cambridge, Mass.
Application April 3, 1947, Serial No. 739,159
5 Claims. (Cl. 33-25)

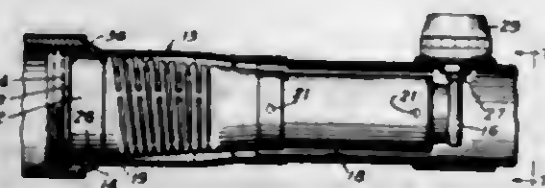


1. In an engraving machine having pantograph arms carrying a copy stylus and cutting tool, a mounting for said pantograph arms including a vertical rotatably movable spindle, a collar vertically movable on said spindle, and carrying horizontal arms slidably movable in said collar, means for adjusting the vertical position of said collar on said spindle, means for adjusting the horizontal position of said arms in said collar, and a cross-member connecting said arms at one end for supporting said pantograph arms.

2,627,659

TELESCOPE RETICLE ADJUSTMENT

Charles H. Murr, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War
Application March 16, 1950, Serial No. 150,068
5 Claims. (Cl. 33-50)
(Granted under Title 35, U. S. Code (1952), sec. 266)



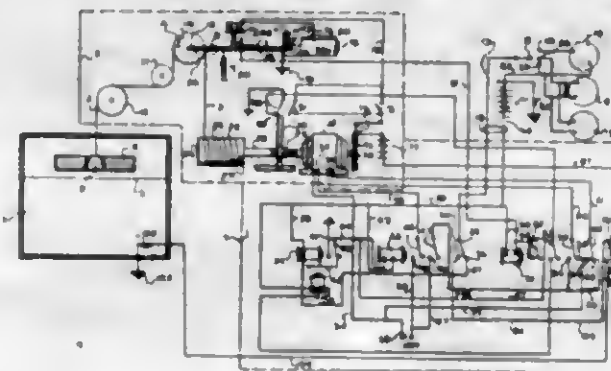
1. In a telescope comprising a tubular body and a reticle support therein, means for adjustably

mounting said reticle support in operative position, comprising: a tube mounted coaxially within the telescope and having a larger-diametered forward portion and a flexible rearward portion which tapers rearwardly to a smaller diameter, the axes of the two portions inherently forming an obtuse angle prior to insertion of the tube in said body so that the flexible rearward portion must be stressed into substantial alignment with the forward portion in order to accomplish the insertion, after which the flexible rearward portion constantly tends to move against the body's wall; means for securing the larger-diametered forward portion of said tube with respect to the inner wall of said body with the line of sight of the telescope passing centrally through that tube portion, and means operable from outside the body for adjusting the radial position of the smaller-diametered rearward portion with respect to the axis of said body.

2,627,660

LIQUID DEPTH MEASURING DEVICE

Philip N. Smith, Warwick, R. I.
Application February 27, 1950, Serial No. 146,480
15 Claims. (Cl. 33-126.6)



4. A system for measuring the depth of liquid in a tank comprising a weight, means for lowering said weight from a position above the liquid level into the liquid, a measuring means, means actuated by the change of tension on the lowering means upon the entrance of the weight into the liquid to commence the operation of the measuring means and provide a measurement of the distance which the weight descends into the liquid, and means operable when the weight rests on the bottom to terminate the measurement and initiate the return of the weight to its initial position.

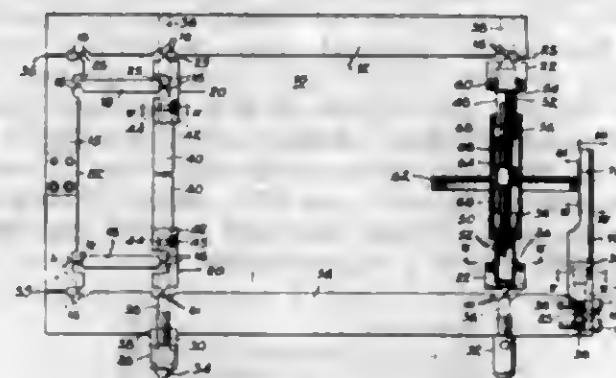
2,627,661

EXTENSOMETER CALIBRATING INSTRUMENT

Richard L. Templin, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 16, 1949, Serial No. 110,633
5 Claims. (Cl. 33-148)

1. A calibrating device comprising a substantially C-shaped frame structure, integral plate fulcral connections between upright and horizontal members of the frame structure constituting flexible corner connections therebetween, an instrument receiving station between said horizontal frame members located inwardly from the flexible corner connections, a micrometer station supported between the horizontal frame members located adjacent the open end of the C-shaped frame structure, said instrument receiving station and micrometer station each incorporating integral plate fulcral connections to

the horizontal frame members, and said C-shaped frame structure, instrument and micrometer station

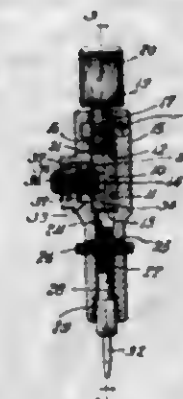


tions constituting a flexible mechanical multiplying lever system.

2,627,662

BEAM COMPASS SET

Clarence R. Taylor, Penfield, N. Y.
Application March 19, 1952, Serial No. 277,455
5 Claims. (Cl. 33-158)



1. In a beam compass, a beam, a head slidably mounted on said beam for adjustment therealong, said beam having a channel extending along one face of the beam, and a manually operable wheel rotatably supported on said head and engaging in said channel, said channel being of trapezoidal cross-section and outwardly flaring, said wheel having a width greater than the width of the channel at its bottom and less than the open face of the channel.

2,627,663

MICROMETER CALIPER

Charles A. Burdick, Kenosha, Wis.
Application May 27, 1949, Serial No. 95,597
4 Claims. (Cl. 33-166)

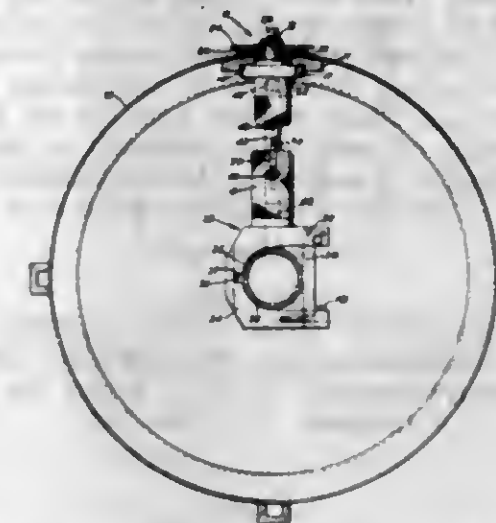


1. A micrometer caliper readable from either side comprising a frame, a spindle, a sleeve, and a thimble for adjusting the spindle; scales on the front and back of the sleeve, independent sets of scale readings on the thimble for cooperation with the front and back scales, whereby the caliper can be read from the front or back, means for hiding one of the scale readings from view when the same is not in use including a sliding band forming a part of the thimble and means for holding the band against independent rotation on the thimble.

2,627,664

GAUGE FOR CHECKING PARTS IN CYLINDRICAL ARTICLES

Earl C. Moss, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1946, Serial No. 682,676
7 Claims. (Cl. 33-180)

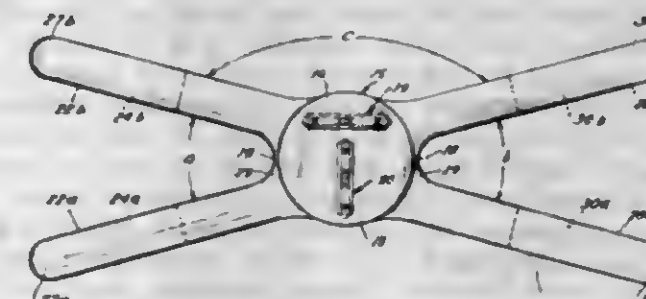


1. A gage for checking the position of an apertured part, secured to the periphery of a cylindrical article in alignment with an aperture in the article, with respect to a given position radially of the centerline of the article, the gage comprising a unit for mounting in the aperture of the part and having an inwardly extending portion with an aperture therein positioned with its centerline coincident with the centerline of the aperture in the part, a support mounted within the article with its centerline coincident with the centerline of the article, a carriage disposed on the support and having an aperture therein, the centerline of which is in the said given position, and a gage bar partially projecting into the aperture of the carriage and movable longitudinally thereof where it will be receivable in the aperture of the said portion of the unit if the centerline of the aperture of the part is within predetermined limits of the given position.

2,627,665

LEVELING GAUGE

James J. Strnad, Bedford, Ohio, assignor to Lemco Products, Inc., Bedford, Ohio, a corporation of Ohio
Application March 30, 1951, Serial No. 218,386
1 Claim. (Cl. 33-207)



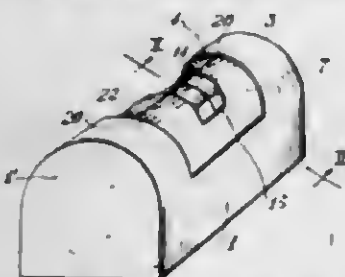
A split-end flatness gauge for engine blocks, cylinder heads and other like objects characterized by a susceptibility to localized warping comprising a shallow central platform taking the form of a solid cylinder having a flat upper face portion, a flat lower face portion and an intermediate edge portion; a level mounted within the lateral limits of the flat upper face portion of the platform; and, integral with and extending laterally from the platform, two shallow yokes

projecting outwardly to form two opposed pairs of sharply-diverging work-contacting legs relieved toward their inner ends so as to provide them near their extremities with longitudinally extending work-contacting faces each of which is flat and all of which lie in a common plane below the level of the flat lower face portion of the platform, the two pairs of work-contacting legs being spaced from each other along the sides of the gauge by substantially more than ninety degrees and the legs of each pair being spaced from each other along the ends of the gauge by substantially less than ninety degrees so that the overall ratio of length to breadth is about the same as that of the engine block, cylinder head or other like object on which the gauge is to be used.

2,627,666

GRADIENT INDICATING LEVEL

Hugo Armando Levrero, Montevideo, Uruguay
Application February 11, 1952, Serial No. 270,977
7 Claims. (Cl. 33—215)



1. A gradient indicating level, which comprises a box having a flat bottom and a substantially semi-cylindrical top, having a semi-cylindrical window, an open-ended hollow cylindrical member having two diametrically opposed frame side members secured therein and connected together by a pair of frame end members each located diametrically across one of the open ends of said hollow cylindrical member and substantially flush therewith, aligned pivot pins on said frame end member concentric with the axis of rotation of said cylindrical hollow member, aligned bearing means substantially midway in said frame side members, suitably spaced upright members in said box secured to the bottom thereof and having bearings adapted to be engaged by said frame end member pivot pins whereby said hollow cylindrical member may rotate freely in said box, said hollow cylindrical member having eccentric weight means, a transverse elongated window opposite said weight means and an angle indicating scale about the periphery thereof; a drum member mounted within said hollow cylindrical member and having a rotation shaft engaging said frame side member bearings, whereby the axis of rotation of said drum member will be shifted 90° with respect to the axis of rotation of said hollow cylindrical member, said drum member having an eccentric weight, an angle scale on the periphery thereof aligned with said hollow cylindrical member window and including a reference point directly opposite the center of said weight, said hollow cylindrical and drum member windows having transparent covers provided each with a hair line normally coinciding with said reference points.

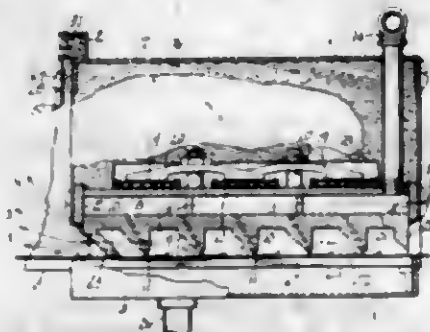
2,627,667

METHOD AND APPARATUS FOR DRYING INKS

Joseph R. Gillis, Kalamazoo, Mich.
Application October 7, 1946, Serial No. 701,851
18 Claims. (Cl. 34—23)

12. The method of drying printed matter on a moving web of paper which comprises the steps

of supporting said web against substantially plane foraminate surfaces by means of a vacuum applied through said surfaces, directing a plurality of superheated steam jets downwardly and forwardly against the incoming printed surface of the supported portion of said web from nozzles positioned closely adjacent thereto and evacuating said steam and the volatile portions of the ink solvent through the space between said jets and in the same direction as the path of travel of the web before said steam has cooled below a superheated state.

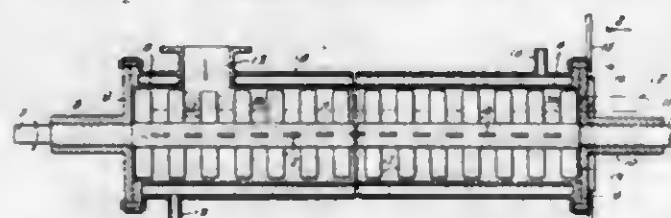


18. Drying apparatus for setting the ink of printed material on a moving web comprising, a steam chamber having nozzles adapted to discharge superheated steam against said web, means projecting around the periphery of said steam chamber and forming a drying chamber surrounding said nozzles and open to said web, a foraminate platen arranged to support said web in closely spaced but non-touching relationship with said projecting means and nozzles along the open side of said drying chamber, means for applying a vacuum through said platen to the back surface of said web to hold said web against fluttering, and means forming a suction chamber opening to the printed side of said web behind said steam chamber with respect to the path of travel of said web.

2,627,668

METHOD OF CONTACTING SOLIDS AND GASES

Erwin C. Handwerk, Lehigh, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1949, Serial No. 93,697
3 Claims. (Cl. 34—33)



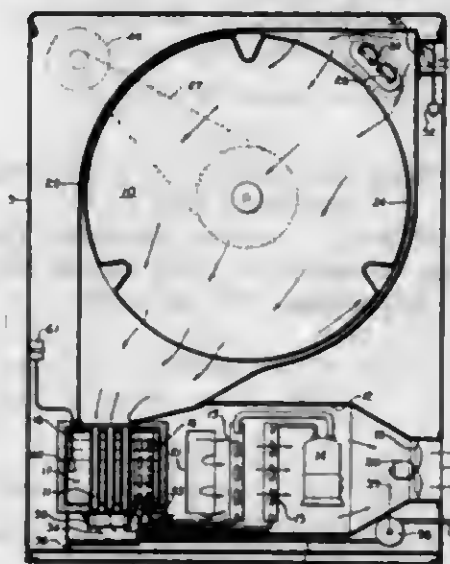
1. The method of effecting contact between a solid and a gas which comprises introducing the solid in the form of discrete particles into one end of a substantially horizontally disposed elongated vessel having an axially mounted rotatable shaft provided with paddle blades, introducing the gas into the vessel, rotating the paddle-bearing shaft at high speed so as to cause the paddle blades to strike and agitate the particles of solid in the gaseous atmosphere within the vessel to such an extent that the mass of solid particles is expanded in said gaseous atmosphere and thereby forms a fluidized bed having an observable upper free boundary zone, discharging the fluidized mass of solid particles from said bed thereof within the vessel adjacent the opposite end thereof, controlling the rate of discharge of the fluidized mass from said opposite end of the

vessel so as to maintain a substantial depth of the fluidized mass of solid particles within the vessel, and permitting passage of the particles of solid through the vessel by fluid flow characteristic of a body of liquid.

2,627,669

COMBINED DRIER AND ROOM DEHUMIDIFIER

Robert R. Candor, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 6, 1951, Serial No. 255,120
9 Claims. (Cl. 34—44)



1. A combined clothes dryer and room air dehumidifier comprising: a clothes dryer having a damp clothes drying chamber and a vapor condenser; a room air dehumidifier having means forming a passageway through which room air is circulated; a refrigerating system including a refrigerant condensing portion and a refrigerant evaporating portion; a holdover medium thermally associated with said vapor condenser, means for cooling said holdover medium by said refrigerant evaporating portion while said clothes dryer is inactive for drying damp fabrics, and means for dehumidifying the room air circulated through said passageway including said refrigerant evaporating portion and said refrigerant condensing portion.

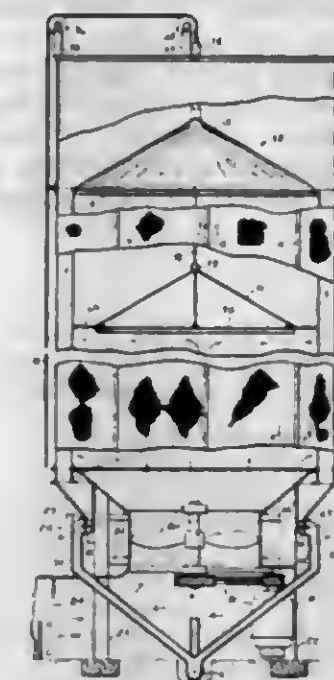
2,627,670

DRIER

George L. Hurst, Los Altos, and Mowatt M. Hurst, Palo Alto, Calif.

Application December 30, 1948, Serial No. 68,176
6 Claims. (Cl. 34—87)

1. In a drier, the combination comprising: a vertically disposed passageway for air having double perforate walls providing a space between which the material to be dried is adapted to descend by gravity as the same is withdrawn from the lower end of said space; means for causing upward movement of air in said passageway, a closure at the upper end of said passageway for obstructing escape from said end whereby said air will pass through said walls and the material therebetween, means for withdrawing said material from said lower end, said closure being movable downwardly with said passageway, means supporting said closure for said movement in a position substantially at the upper level of material in said space, and means for effecting said movement at substantially the same rate of speed as that at which the upper level of said material within said space is adapted



operatively connected with said means for withdrawing said material.

2,627,671
DRY KILN

R. A. Simmons, Vernonia, Oreg.
Application September 1, 1951, Serial No. 244,817
4 Claims. (Cl. 34—191)



1. In a dry kiln of the character described, a ceiling wall, a row of transversely extending slot openings in said ceiling wall along each side thereof, pairs of ducts located above and on opposite sides of said ceiling and extending over said slot openings, each duct extending along the kiln from one end of the kiln, each duct having a roof sloping downwardly from the end of the duct adjacent an end of the kiln to the opposite end of the duct, an air chamber located above each end of said kiln and having a pair of ports connecting respectively with the pair of ducts at that end of the kiln, a fan in each port, means for rotating said fans, means for controlling and reversing the rotation of said fans, the fans in the ports of each of said chambers so arranged and rotated that air will be drawn from one duct into the chamber and driven from the chamber into the other opposite duct, outside air inlets in the roofs of said ducts, means for opening and closing said inlets, a plurality of ventilators located along the center line of the kiln ceiling between opposite ducts, and means for opening and closing said ventilators.

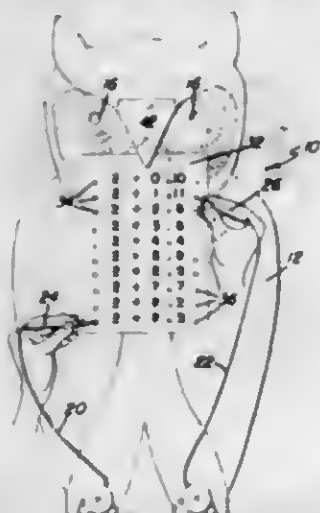
2,627,672

EDUCATIONAL DEVICE

Helen I. Polton, Sinclair, Wyo., assignor of fifty per cent to W. Dean Polton, Laramie, Wyo.
Application April 17, 1950, Serial No. 156,267
2 Claims. (Cl. 35—9)

1. An educational device comprising a casing, a facing member closing said casing, a signal

device secured to the inner surface of said facing member, said facing member having apertures associated with said signal device, a source of electrical energy mounted in said casing, circuit means connecting one terminal of said source to one terminal of said signal means, control means for said circuit including a flexible conductor connected to the other terminal of said source, a second flexible conductor connected to the other terminal of said signal device, a recess in said



facing member, a switch card mounted in said recess, a column of questions on said card, an electrical terminal associated with each of said questions, a column of answers on said card, an electrical terminal associated with each of said answers, the question terminals being electrically connected to the proper answer terminals, a pointer contact on each of said flexible conductors, said pointer contacts being engageable with said switch card terminals to energize said signal means.

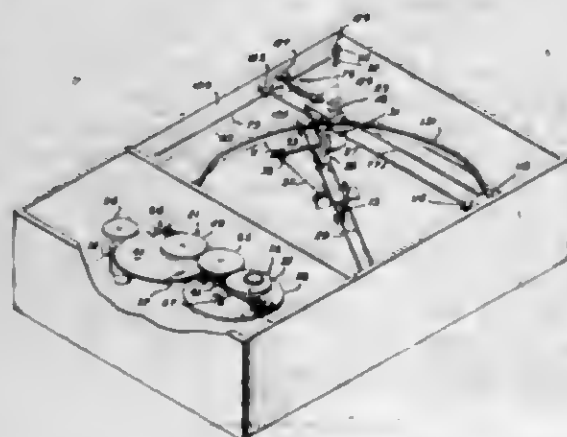
2,627,673

RANGE AND ALTITUDE CALCULATOR FOR USE WITH ECHO RANGING TRAINING EQUIPMENT

Marcel E. Droz, Pleasantville, N. Y., assignor to the United States of America as represented by the Secretary of the Navy

Original application August 21, 1946, Serial No. 692,021, now Patent No. 2,558,425, dated June 26, 1951. Divided and this application June 1, 1951, Serial No. 229,330

4 Claims. (Cl. 35-10.4)



1. A system for the simulation of target location training problems comprising an adjustable speed motor, a resolver driven by said adjustable speed motor having an angularly adjustable control and two output shafts whose speeds vary with the sine and cosine of the angular position of said angularly adjustable

control, a first pair of parallel tracks, a second pair of parallel tracks perpendicular to said first pair of tracks and movable thereon in a direction parallel to said first pair of tracks, a carriage on said second pair of tracks movable thereon in a direction parallel to said second pair of tracks, a drum on each of said output shafts, cable means interconnecting one of said drums and said second pair of parallel tracks for movement thereof in a direction parallel to said first pair of tracks, and cable means interconnecting said carriage and the other of said drums for movement in a direction perpendicular to said first pair of tracks, whereby said carriage moves with a velocity proportional to the speed of said adjustable speed motor and in a direction controlled by the angular position of said angularly adjustable control.

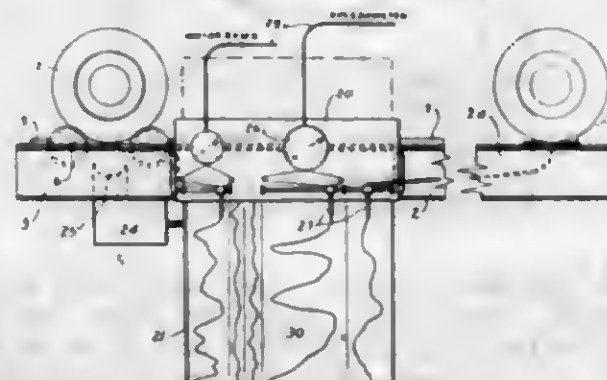
2,627,674

INSTRUCTION APPARATUS FOR VEHICLE OPERATION

Victor A. Wilson, Toronto, Ontario, Canada

Application January 23, 1948, Serial No. 3,990

2 Claims. (Cl. 35-11)



1. The combination with means for supporting a motor vehicle in a stationary position while permitting rotation of the drive wheels and steering movements of the steering wheels, of means for feeding a record strip longitudinally at one side of said supporting means, a steering marker and a speed marker in cooperative relation with the record strip, means for actuating the steering marker having means for connection with a steerable wheel to be actuated to impart the steering movements thereof to the steering marker, and other means for operating the speed marker and provided with means for connection with a drive wheel of an automobile mounted on the support.

2,627,675

DYNAMIC PRESSURE COMPUTER AND CONTROL LOADING MEANS OPERATED THEREBY FOR GROUNDED AVIATION TRAINERS

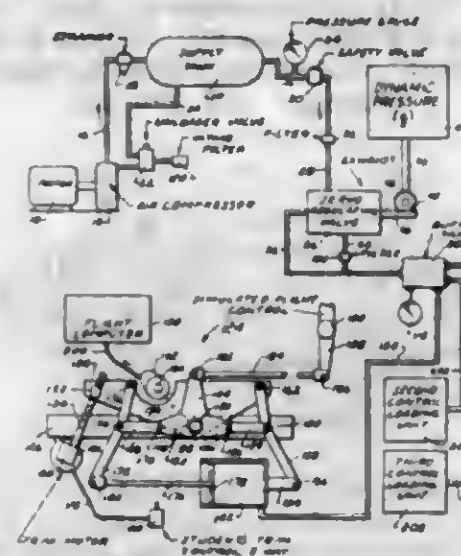
Raymond E. Kittredge, Chenango, N. Y., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York

Application March 11, 1950, Serial No. 149,124

7 Claims. (Cl. 35-12)

1. A system for loading a simulated flight control of a grounded aviation trainer comprising, in combination, a dynamic pressure computer, a servo regulating valve connected to said computer to be controlled thereby, a pneumatic chamber having relatively movable walls for varying the volume thereof, a pneumatic source connected to said chamber through said valve controlled by the dynamic pressure computer for varying the pressure in the chamber according to the output of said dynamic pressure com-

puter, a simulated flight control, and a pair of connections between said simulated flight control and said chamber for effecting relative movement between the walls thereof in the same



direction against the pressure within the chamber upon a displacement of said simulated flight control member in either direction from a predetermined neutral position.

2,627,676

CORRUGATED SOLE AND HEEL TREAD FOR SHOES

Nathan Hack, Santa Monica, Calif., assignor to Hack Shoe Company, Detroit, Mich., a partnership

Application December 10, 1949, Serial No. 132,271

5 Claims. (Cl. 36-29)



1. A shoe sole and heel consisting of transverse elongated undulating corrugations formed from a unit layer of a shock absorbing yet yielding sole material of uniform thickness, said corrugations forming enclosed air spaces between said sole and heel and the shoe from one side to the other side of said shoe, said corrugations being arranged on said shoe independently of one another and in a continuous substantially parallel sequence when said sole and heel are affixed to said shoe, each of said corrugations making a single line of contact with a rest plane when substantially free of load, and being individually and collectively capable of being flexed and compressed under the load and stresses of shoe action in ambulation, the corrugations of said sole and heel being arranged for free, unrestricted flexing of each corrugation whereby a gliding effect is achieved.

2,627,677

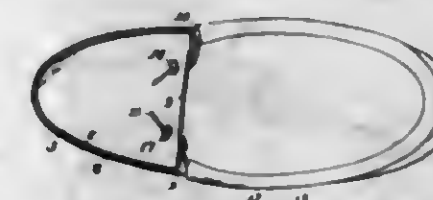
MOCCASIN AND MEANS FOR DRAWING SAME AROUND THE FOOT

Tatios Kashian, Cleveland, Ohio

Application March 29, 1950, Serial No. 152,649

1 Claim. (Cl. 36-50)

A moccasin having a sole and an upper, a plug attached to the upper and having a tab turned upwardly, a tubular collar fastened to said upper and having open ends opposite said tab, the tab being provided with openings arranged trans-



wardly under said plug and upwardly through said openings of the tab for drawing said collar and tab around the ankle of the wearer.

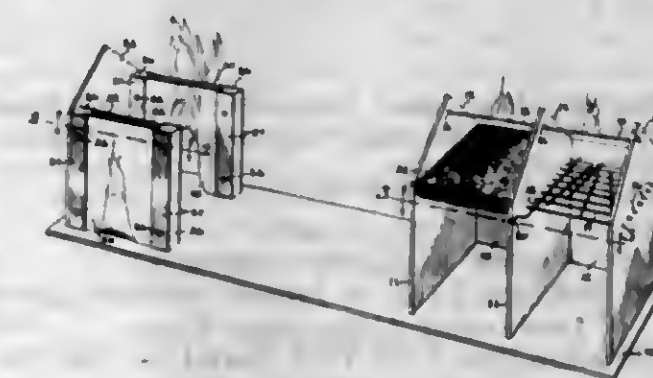
2,627,678

DEMONSTRATION DEVICE

Odin L. Holmes, Waco, Tex., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio

Application April 28, 1950, Serial No. 158,824

1 Claim. (Cl. 35-55)



A device for demonstrating the fire controlling capabilities of mineral wool insulation which comprises a base, a structure of reduced scale size mounted upon the base and arranged in partial simulation of a building, said structure including a first set of parts adapted to receive replaceable simulated structural elements which are inflammable and disposed in juxtaposition and arranged so that upon deliberate ignition of one of the elements a flame is produced which spreads to an adjacent element, said structure including a second set of parts substantially identical with said first set, said second set of parts also adapted to receive inflammable structural elements identical with the first mentioned elements, and a bat of mineral wool insulation material of reduced scale size adapted to be installed between the elements of one of said sets, whereby upon the ignition of corresponding elements of the two sets a direct comparison may be made of the spread of flames in the two sets.

2,627,679

DEVICE FOR REMOVING SNOW

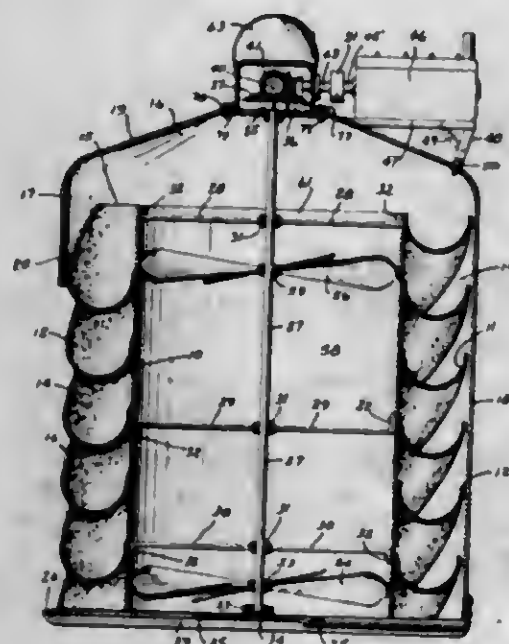
Ernie H. Daniels, Frazee, Minn.

Application March 1, 1950, Serial No. 147,051

7 Claims. (Cl. 37-43)

1. In a snow-removing device embodying vertically mounted cylinders having open ends provided with helically mounted blades and with fans within the open ended body of the cylinders, a casing rigidly held in relation to said cylinders, runners secured to the casing and adapted to slide on a surface from which snow is being removed, means for causing the apparatus to be moved on said runners over said surface at speeds of from 15 to 25 miles per hour, a chamber formed by the casing above the upper ends of the cylinders

adapted to receive a blast of mixed air and snow therefrom, and an opening formed in said casing



and leading from said chamber through which the snow and air is adapted to be discharged.

2,627,680

SNOW LOADING DEVICE

Mike T. Schulte, Louis J. Litchy, and Elwood W. Downward, Little Falls, Minn.

Application March 10, 1950, Serial No. 148,774

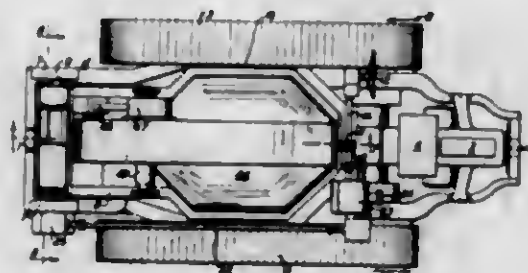
2 Claims. (Cl. 37-45)



1. Snow removal apparatus comprising a wheel supported chassis frame, a snow removal trough inclining upwardly and rearwardly of said frame and having a front snow scooping end and a rear end pivoted on said frame in elevated position for vertical adjustment of said trough into different inclined positions, an endless power driven chain conveyor running in said trough in engagement with the bottom thereof to convey the snow rearwardly out of said trough, a conveyor driving shaft extending across the rear end of said trough above the same and journaled on said frame, a conveyor frame including side bars normally resting on the sides of the trough and supporting the front end of the conveyor and being pivoted on said shaft for vertical swinging of the front end of the conveyor relative to said trough and vertical swinging adjustment of said conveyor by vertical adjustment of said trough, and means for adjusting said trough.

2,627,681
EXCAVATING AND EARTH SCATTERING MACHINE

Giacinto Diotti, Torviscosa, Italy
Application December 12, 1947, Serial No. 791,337
In Italy December 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 4, 1963
3 Claims. (Cl. 37-82)



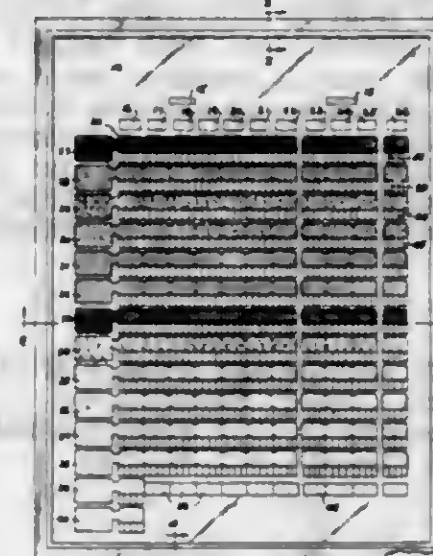
1. In a motor driven machine for excavating ditches and profile drains with sloping side walls in combination with an ejecting device for hurling the excavated earth away from the ditch or drain; the combination of a main frame, a swingable frame, means pivoting said swingable frame at one end on said main frame, a horizontal shaft journaled at its opposite ends on said swingable frame at a transverse location spaced from said pivoted end of the latter, two beveled oppositely directed worm sections of frusto-conical configuration mounted on said shaft in axially spaced relationship and with their larger threads toward the center and their smaller threads toward the outer ends of said shaft, supporting sprockets on said shaft between said worm sections, a continuous chain of excavating scoops trained over said supporting sprockets, driving sprockets rotatably supported on said swingable frame at a location above said shaft and effecting driving engagement with said continuous chain, a shield-box mounted on said swingable frame and including a portion extending around said worm sections and opening below said shaft in the direction of the feeding movement of said main frame to cut and smooth the walls of the excavated ditch and to push the excavated earth against said worm sections and said excavating scoops, and a screw conveyor member on said swingable frame extending at right angles to said shaft and positioned to receive the excavated earth from the downwardly moving run of said chain of excavating scoops and to deliver it to an earth ejecting device having an impeller rotating coaxially with said screw conveyor member and opening at one side toward the latter to receive the excavated earth therefrom, and means extending around a portion of the circumference of said impeller to define an outlet opening through which the excavated earth may be centrifugally ejected, the last mentioned means including a member moving in the direction of the excavated earth emitting from said outlet opening at least in the proximity of said opening.

2,627,682
INVENTORY BY COLOR AND MODEL BOARD FOR AUTOMOBILES

Arthur E. Markey, Detroit, Mich.
Application February 23, 1950, Serial No. 145,797
1 Claim. (Cl. 40-28)

An inventory by color and model board for automobiles comprising a hollow rectangular frame, interned U-shaped channels secured to the rear surface thereof at its sides and bottom, a rectangular card within said frame with its vertical and bottom edges supported within said

channels, and a transparent plastic cover for said card overlying the same with its vertical and bottom edges also supported and retained within said channels, said card having printed thereon a longitudinally extending vertically spaced series of boxes in various colors, together with indicia at the tops of the vertical rows of said boxes indicating a plurality of body styles,

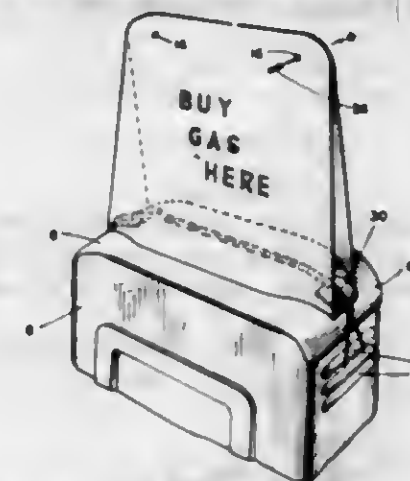


said cover being adapted to receive the numerical imprint of a grease marking pencil to provide a visible inventory, there being a plurality of delineated accessory group indicating squares provided below each horizontally extending series of boxes, said cover when so imprinted indicating by numbers over the appropriate squares the number of available cars by body style, color and accessory group.

2,627,683

TOP DISPLAY

Russell J. Leander, Chicago, Ill., assignor to Chicago Show Printing Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1950, Serial No. 189,831
5 Claims. (Cl. 40-124.1)



1. A display comprising a sheet having an intermediate portion scored to form an oval base, and the ends foldable together over the base turning the scored ends of the base downwardly to conform to a curved supporting surface.

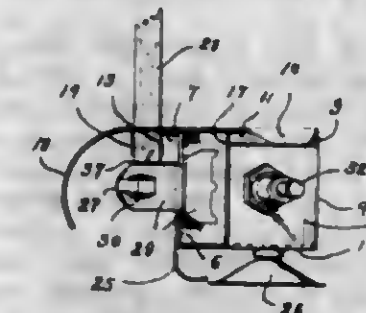
2,627,684

COMBINED SIGN AND LIGHT UNIT

Robert E. Johnson, Proctor, Minn.
Application September 24, 1948, Serial No. 51,089
1 Claim. (Cl. 40-130)

An illuminated sign and a support therefore comprising a housing for supporting a fluo-

cent lamp and its ballast, said housing including a bottom, a front wall, a back wall and side walls, lamp sockets mounted on the back of and extending through said front wall adjacent each end thereof for supporting a fluorescent lamp on the outer side thereof, a ballast for said lamp positioned and secured behind said front wall within the housing, said front wall being provided with outwardly extending brackets positioned above said lamp, a cover for said housing, said cover defining a top wall for said housing and being of greater width than said housing and extending outwardly from the top of said front wall to

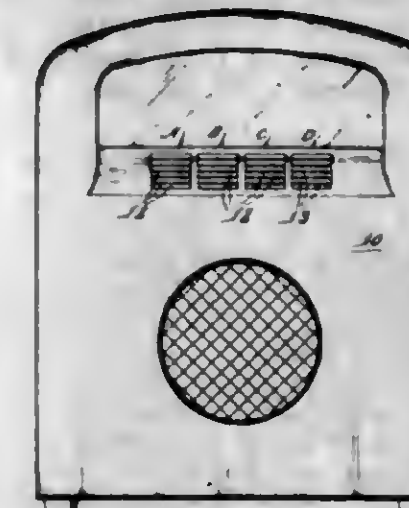


define a shade for said lamp, said extending portion of said cover having an elongated slot therein along the length of said lamp, a sign of translucent material installed within said slot and extending upwardly therefrom adapted to be edge illuminated by said light, said sign being supported above said lamp by said slot and said fingers on said front wall, supporting means for said housing comprising suction cups secured to and extending downwardly from the bottom wall and a downwardly extending foot member secured to said front wall forwardly of said suction cups.

2,627,685

ILLUMINATED SELECTOR MECHANISM

Earle G. Henry, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application August 17, 1946, Serial No. 691,290
10 Claims. (Cl. 40-130)



1. Illuminated selector apparatus including a plurality of movable selectors, indicia means which is stationary relative to said selectors and relative to which each selector is movable back and forth, a transparent touch member for each selector by which the latter is engaged for operative movement, and through which corresponding indicia may be read by light reflected from said indicia toward and through the corresponding touch member, a source of light common to all selectors, and means directing light from said source in between each touch member and corresponding indicia for reflection from the latter toward and through the former, by which indicia may be read through the said touch members.

2,627,686

RECOIL REDUCER AND ACCURACY IMPROVER

Richard L. Shockey, El Reno, Okla.
Application May 18, 1951, Serial No. 227,068
3 Claims. (Cl. 42-1)

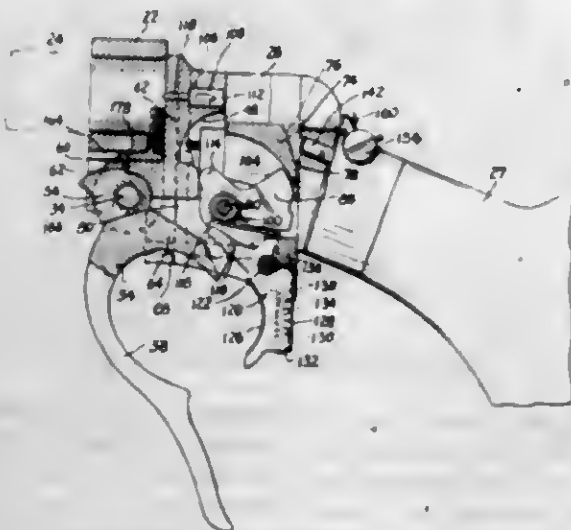


1. A device of the character described comprising, in combination with a pistol having a frame, a barrel, and a slide member slidable upon said frame and encompassing said barrel, the provision of a recoil absorber comprising a forward assembly and a rearward assembly, said forward assembly including a hollow cylinder carried by said slide member, said rearward assembly including a hollow cylinder mounted in said frame and receivable within the forward cylinder when said slide member is moved rearwardly, and means in said rearward assembly for absorbing recoil, said means including a collar having a centrally disposed opening mounted in the forward end of the rearward cylinder, a plug slidably mounted in said rearward cylinder, a compression spring in said rearward cylinder for normally urging said plug into contact with said collar, a forward wall for said forward cylinder, and a centrally disposed longitudinally extending pin affixed to the inner side of said forward wall and receivable through the opening in said collar and adapted to impring upon said plug against the action of said compression spring when the forward assembly is moved rearwardly.

2,627,687

COMBINATION PIVOTING AND SLIDING BLOCK FIREARM ACTION

John Le B. Arbuckle, Sunbury, Ohio, assignor of one-half to Hugh E. Grashel, Gahanna, Ohio
Application November 22, 1950, Serial No. 197,154
4 Claims. (Cl. 42-34)



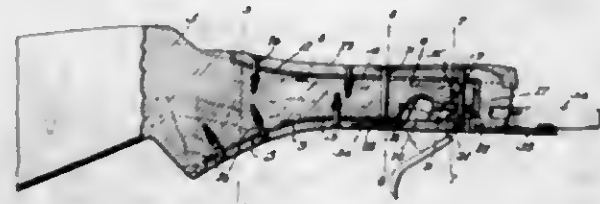
2. In a firearm firing mechanism: a frame having a barrel-receiving chamber; a compound breechblock assembly comprising a first pivoting block pivotally mounted in said frame for swinging movement between a position abutting one end of the barrel-receiving chamber of said frame and a second position providing unobstructed access to said chamber, and a second sliding block slidably carried by said pivoting block and pivotally movable therewith, said sliding block being positioned on the side of said

pivoting block opposite the barrel-receiving chamber of said frame and being movable vertically with respect to said pivoting block; a firing pin extending through and slidable in said pivoting block; a striking hammer pivotally carried in said sliding block for swinging movement between cocked and firing positions; means stationarily carried by said pivoting block for moving said hammer between its firing and cocked positions upon relative downward sliding movement of said sliding block with respect to said pivoting block; and a cocking lever pivotally mounted in said frame and movable in one direction to first slide said sliding block downwardly with respect to said pivoting block and to thereafter swing said pivoting block to its position away from the barrel-receiving chamber of said frame.

2,627,688

GUNSTOCK ASSEMBLY FOR FIREARMS

John Cooper, Franklin, La.
Application May 12, 1950, Serial No. 161,620
9 Claims. (Cl. 42-75)



1. A stock assembly for firearms comprising a metal tubular frame, a non-metal stock having a reduced shank extending longitudinally from the stock and inserted in said frame, and a metal sheath completely covering said shank and having portions fitted in the joint between said stock and said frame.

2,627,689

ICE FISHING DEVICE

Adam Sokolowski, Conrath, Wis.
Application May 2, 1950, Serial No. 159,521
2 Claims. (Cl. 43-16)



1. In a fishing device, a portable upright stand, a bracket on the standard, a pole pivoted on said bracket, a spring connected to said pole to bias the same to pivot upwardly, an arm horizontally mounted on said bracket and extending parallel to and below said pole and slightly shorter

than said pole, a trip latch connecting said pole and arm when the pole is depressed against the action of said spring, and a fish line connected to an outer end portion of said pole and operatively connected with said trip latch, said trip latch including a finger carried by said pole and a trigger on said arm adjustably engaging said finger in one position to vary the pivotal action of the trigger, said line being operatively connected with said trigger.

2,627,690

FISHING SIGNAL

James J. Kniffer, Davenport, Iowa
Application April 11, 1950, Serial No. 155,242
3 Claims. (Cl. 43-17)

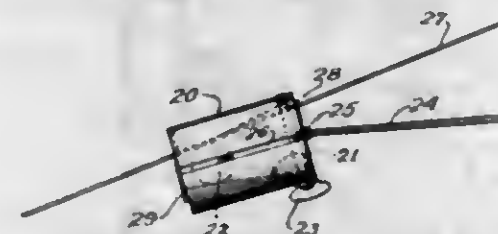


1. In a signal apparatus, a battery with positive and negative terminals, a resilient metal bracket mounted upon one of said terminals carrying a socket and arranged to hold an electric lamp with its lower terminal in contact with the other terminal of the battery, and a removable spacer of non-conductive material manually insertable between the terminal of the lamp and the adjacent terminal of the battery arranged to be held in place by the pressure of the lamp terminal thereon and with a line attached to the spacer whereby the spacer will be removed from between the terminals by a light pull on the line.

2,627,691

FISHING LINE AND PLUG RETRIEVER

Myer Bress, Chicago, Ill., assignor to Marlin Electric Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1949, Serial No. 85,313
2 Claims. (Cl. 43-17.2)



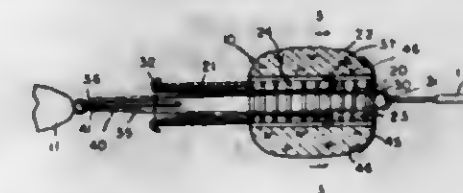
1. A line and plug retriever comprising a metal cylinder having an axially-extensive through-bore which is tapered from a minimum diameter at one end of the cylinder to a greater maximum diameter, affording a mouth at the opposite end of the cylinder, a jamming ball in said bore and having a diameter greater than said minimum diameter and substantially less than that of said mouth whereby the ball may be introduced at

the mouth with considerable spacing between the ball and the sides of the bore at the mouth for a distance approximately two-thirds of the total distance toward the narrow end of the bore, whereby to afford free loose movement of the ball in the upper two-thirds region of the bore so that the cylinder may slide along a snagged line in the bore; a cross-pin threaded into the cylinder crosswise of said mouth to retain the ball and afford to tie-rod for a tether, said cylinder having a longitudinally-extensive slit in the wall thereof leading into the cylinder bore fore admitting a snagged line; and keeper pins guarding entrance to said slit at opposite ends of the cylinder, each said pin having one end swaged into the cylinder and a free end portion projecting crosswise and beyond the margins of the slit to block movement of a line radially out of the slit but permit working the line around said free end into the slit.

2,627,692

TENSION RELEASING DEVICE

Noel Goodman, Detroit, Mich.
Application December 26, 1947, Serial No. 793,775
17 Claims. (Cl. 43-43.12)



15. A release device comprising a compressible tubular guide consisting of a helical spring and a substantially rigid tubular element of substantially the same inside and outside diameter as said spring, said spring and tubular element being assembled together in end-abutting relation, a pair of generally U-shaped connector elements disposed within said guide and having their doubled ends projecting beyond opposite ends of said guide, the open ends of said connector elements being secured to said tubular guide adjacent its ends, a trigger pivoted at one end to the doubled end of one of said connector elements, the length of said trigger being such that when said spring is uncompressed, the free end of said trigger is retained within the adjacent end of said tubular guide, and a hollow member sleeved over said guide having an abutment plate engaged against the end of said tubular guide remote from said trigger, said plate having an opening there-through through which the doubled end of one of said connector elements extends, and said trigger being releasable upon compression of said spring resulting from tension between said connector elements or from tension between said hollow member and the connector element whose doubled end projects beyond said plate.

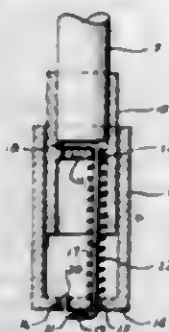
2,627,693

FISHING FLOAT

George D. Wanner, Dayton, Ohio
Application September 18, 1950, Serial No. 185,426
3 Claims. (Cl. 43-44.95)

1. A line attaching device including a main body member, a float having an extension received in and fixedly secured to one end of the main body member, said main body member having a partition extending across the center thereof midwise between its ends, a cup-shaped member having an apertured end wall, said cup-shaped member being telescopically arranged

with the main body member, said cup-shaped member extending outwardly from the one end of the main body member opposite the end of the main body member having the float attached thereto, a rod secured to the partition of the main body member, said rod having a laterally

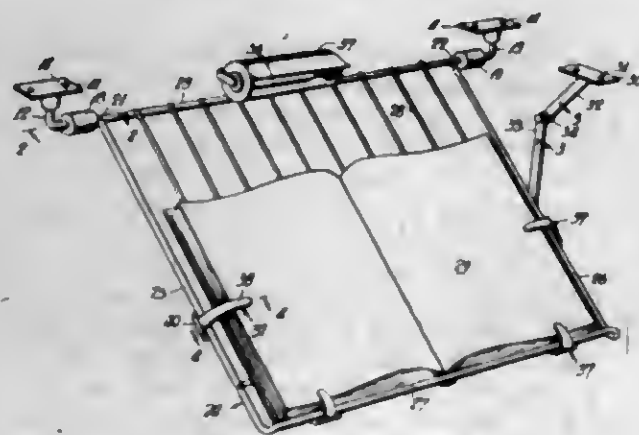


extending outer portion to grip a fishing line between the same and the end wall of the cup-shaped member, and a compression spring confined between the partition and the end wall of the cup-shaped member so as to clamp the line between the laterally extending part of said rod and the end wall of the cup-shaped member.

2,627,694

BOOKHOLDER

Margaret L. Saecker, West Englewood, N. J.
Application November 15, 1950, Serial No. 195,864
4 Claims. (Cl. 45-82)



1. A kitchen book holder comprising, in combination, a pair of spaced horizontally extending bracket supports adapted to be secured to the underside of a kitchen cabinet disposed above a work bench, said bracket supports having depending legs, bearing members on said legs, a substantially flat book support having a book engaging abutment at its forward edge and having laterally projecting extensions at its top edge pivotally mounted in said bearing members, a third horizontally extending support also adapted to be secured to the underside of said kitchen cabinet, and pivoted links connecting said third horizontally extending bracket support with a side of said book support.

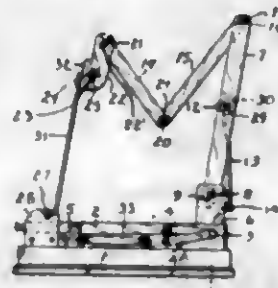
2,627,695

EASEL

Alfred James Moir, Toronto, Ontario, Canada
Application November 29, 1951, Serial No. 258,801
6 Claims. (Cl. 45-129)

1. An easel comprising a base, an adjustable cantilever extension pivotally supported from said base, said extension comprising a plurality of arms pivotally connected in end-to-end relation, means at the free end of said extension to support the upper edge of a piece of work mount-

ed on said base, means locking said pivotally connected arms in pivotal adjustment with the work inclined approximately at a desired angle to form a rigid cantilever structure pivotal about



said base, and means pivoting said rigid cantilever structure relative said base to apply downward pressure on the work clamping it against said base.

2,627,696

PAPER-HOLDING ATTACHMENT FOR DRAFTING BOARDS

Russell J. Wood, South Sudbury, Mass.
Application July 14, 1951, Serial No. 236,823
5 Claims. (Cl. 45-131)

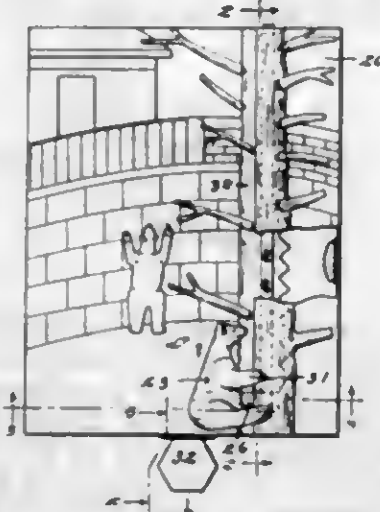


1. A paper holder for use with a drafting board, said holder being of elongate tubular form comprising a single sheet of stiff sheet material curled to provide a paper holding chamber whose inner wall is cylindrically concave, the outer marginal portion of said sheet being substantially tangent to said concave wall and having a beaded edge, and hinge means for securing the holder to the drafting board, said hinge means being so designed that said marginal portion overhangs and is spaced from the upper surface of the board thereby to provide an entrance slot with the axis of the concave wall parallel to and above the forward edge of the board.

2,627,697

COMBINED CONTAINER AND AMUSEMENT BOX

Charles Lipson, Atlantic City, N. J., assignor to Charles Lipson Company, Atlantic City, N. J.
Application June 2, 1952, Serial No. 291,110
2 Claims. (Cl. 46-11)



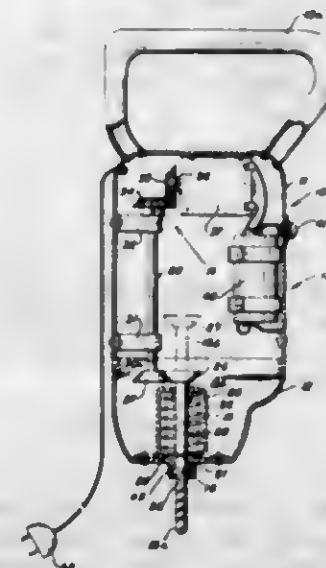
1. A novelty container comprising a tubular shell having top and bottom walls and opposite

side walls, a tray slidable in said shell, a looped tape fixed to one end of said tray and loosely engaging about said top wall, an object member fixed to said tape on the upper side of said top wall, and cooperating means carried by said member and said top wall whereby to agitate said member when said tray is moved relative to said shell.

2,627,698

TOY DRILL

Daniel Weeden Wood, Akron, Ohio
Application September 15, 1950, Serial No. 185,019
4 Claims. (Cl. 46-39)



1. A toy simulated portable power tool, comprising a housing having an apertured portion, bearing means in said housing, a stem journaled in said bearing means and being axially shiftable with respect thereto, said stem having an extension simulating a rotary implement, spring means normally urging said stem to protruding position through said apertured portion, said extension having a smoothly rounded non-cutting outer end, a driven member fixed on said stem within said housing, a driving member in said housing normally held in driving engagement with said driven member by action of said spring means, power means for driving said driving member to drive said driven member and thereby rotate said stem and extension, said driving and driven members being disengageable by pressing said stem extension against a surface yieldingly to shift the stem axially inwardly.

2,627,699

MUSICAL DOLL

John B. Schuettenhelm and Celia H. Schuettenhelm, Pasadena, Calif.
Application May 5, 1950, Serial No. 160,238
1 Claim. (Cl. 46-118)

A musical doll comprising a circular base, a handle carried by the base and extending downwardly therefrom, said handle being rotatable relative to said base about an axis which lies eccentric to the axis of the base, a music box movement mounted on the lower side of the base adjacent to the handle, driving means between said handle and said music box movement, the doll being mounted on the top side of the base, a gown on the doll depending therefrom about and below the music box movement, a frame mounted on the lower side of said base and supporting the tone producing elements of the said movement in parallel relation with respect thereto, a rotary member journaled horizontally in said frame for actuating said elements, a worm wheel carried

607 O. G.—21

at one end of said member, and a vertically disposed worm journaled at its ends in said frame

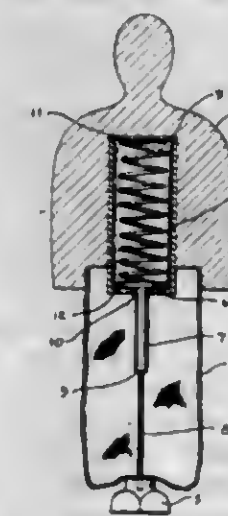


and meshing with said worm wheel, and said handle having its upper end connected to the lower end of said worm.

2,627,700

JUMPING PUPPET

Gerhart Weiss, Sunnyside, N. Y.
Application April 3, 1947, Serial No. 739,071
4 Claims. (Cl. 46-129)



1. A mechanical toy shaped as a unit object of animative type, said toy comprising a trunk portion and a pedal portion connected together and movable relative to each other for setting and actuating the toy, said trunk portion including a spring supporting container extending in the vertical axis of the portion and dimensioned to permit spring expansion, the container having a lower planar face formed with an axial opening, said pedal portion attached to an elongated element extending in a vertical axis and having an integral downwardly facing shoulder approximately midway of its length, the shoulder being dimensioned to freely pass through the opening of the planar surface of the container, the upper end of the element having a flat member of greater diameter than said opening, said member being positioned within the spring supporting container underlying the spring therein, said toy being positioned in cocked position by movement of the element to compress the spring with the movement of sufficient length to place the shoulder above the plane of the upper face of said opening then moving the element laterally to po-

sition the shoulder in overlying relation to the margin of such upper face of the opening and then relieving the spring pressure sufficiently to place such shoulder under frictional engagement with such margin, the foot of the pedal portion providing the toy supporting face, said cocked toy being tripped by jarring the assembly sufficient to release the shoulder from cocked position to thereby permit sudden spring expansion with consequent bodily leap vertically of the toy.

2,627,701

DOLL EYE

Samuel Rose, Bayonne, N. J.

Application October 26, 1949, Serial No. 123,815
5 Claims. (Cl. 46-165)

1. A doll's eye, comprising: an eyeshell member comprising a cylindrical body portion and a rounded forward portion, said forward portion having an aperture therein, said aperture being shaped in the form of a portion of a circle intersected at its top by a laterally symmetrically extending arcuate slot of width sufficient to receive an eyelash member, and of radius greater than the radius of said first-named circle, said eyeshell member being hollow and comprising an inner cylindrical seating surface whose axis is coplanar with and forwardly and downwardly inclined with respect to the axis of the cylindrical body portion of said eyeshell member, said seating surface extending forwardly and downwardly to the exterior of said eyeshell member and forming the upper side of said arcuate slot, said seating surface being adapted for engagement with a cylindroidally curved eyelash member held against said seating surface and extending forwardly and downwardly out of said eyeshell member through said slot; an eyelash member extending downwardly and forwardly out of said eyeball member through said slot, a portion of said eyelash member being in engagement with said seating surface; an eyelens member comprising a front portion shaped for engagement with the circular portion of said eyeshell aperture and a rear portion larger than said front portion for retaining said eyelens member within said eyeshell member, the upper surface of said eyelens member being of cylindroidal shape conforming to the shape of said seating surface and engaging said eyelash member; and holding means for retaining said eyelens member within said eyeshell member and in engagement with said eyelash member.

2,627,702

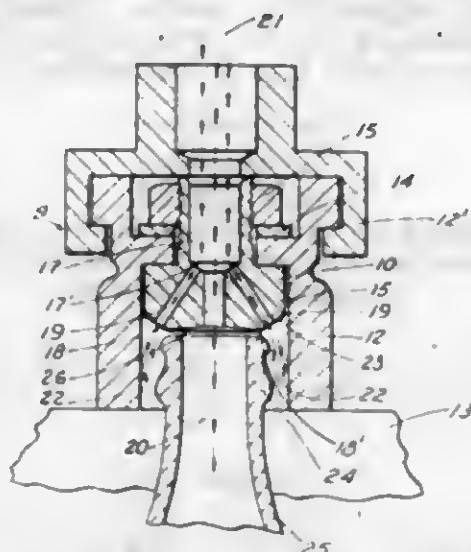
IMPROVEMENT IN BLOWHEAD

Earl L. Lowe, Winchester, Ind.

Application March 25, 1950, Serial No. 151,899
5 Claims. (Cl. 49-18)

1. A nozzle comprising an element substantially bolt shaped in appearance having a head portion and a threaded shank portion, said element being centrally bored with connecting passages of different diameters, said passages joined within said head portion at an undercut portion, a plurality of passages of smaller diameter than said bore starting from said undercut por-

tion at an angle thereto and extending to the outer side of said head portion, said head portion formed with a concave lower face portion,

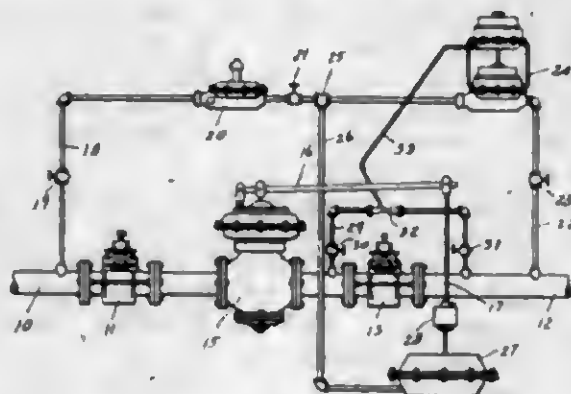


said nozzle being a portion of a blowhead adapted to contain a bottle finish therein and means adapted to secure said element to other elements of the blowhead.

2,627,703

FLOW RESPONSIVE PRESSURE REGULATOR

Theodore N. Spencer, Muncie, Ind.

Application May 13, 1948, Serial No. 26,834
4 Claims. (Cl. 50-10)

1. In a fluid control system having a pressure fluid supply line and a load line supplied therefrom, means for controlling the supply of fluid from said supply line to said load line, a pressure responsive device loaded to permit maximum pressure in said load line and responsive to variations in the pressure developed in said load line, a secondary device connected to said pressure device responsive to variations in the flow through the load line to decrease the maximum loading on the first said device by an amount which varies inversely to the flow in the load line, and means responsive to said variations in said pressure to actuate said supply controlling means.

2,627,704

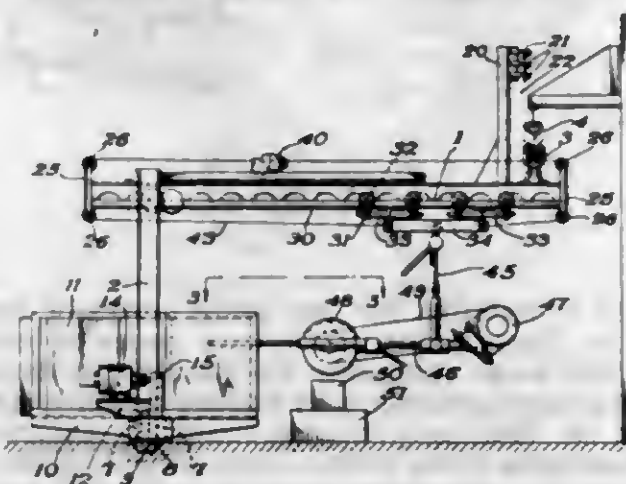
GRINDING APPARATUS

Zebulon W. Whitehouse, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application November 12, 1949, Serial No. 126,890
4 Claims. (Cl. 51-47)

1. Grinding apparatus comprising in combination a sidewise movable bridge, including a beam, spaced legs supporting one end of the beam, wheels supporting said legs, and suspending means at the other end of the beam including a

trolley connected to the top of said beam, a carriage movable endwise on said beam, a grinder frame suspended from said carriage, a grinder on said frame, a cable carried by said beam and connected to said carriage, a motor on the beam operatively connected with the cable to move the carriage on the beam, a motor mounted on the beam supporting means and operatively connected with the beam supporting wheels to move the bridge sidewise, a motor on said grinder frame near one end thereof and connected to said

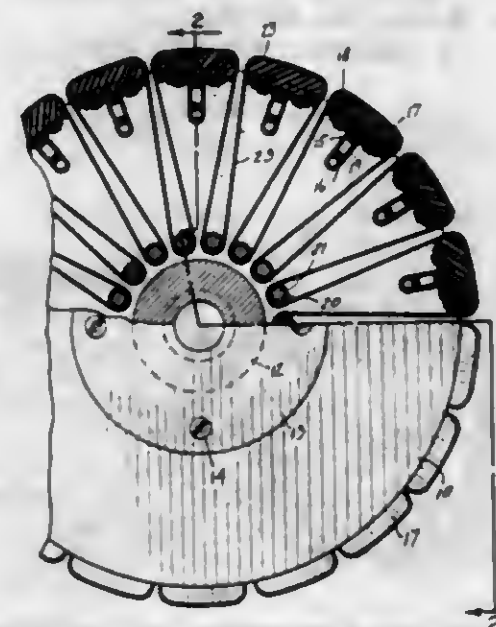


grinder for actuating the latter, an operator's platform between said supporting legs, manipulating handles extending from the end of said grinder frame remote from the grinder motor to positions adjacent to said platform, one of said handles having a rotatable grip portion a switch connected to said rotatable grip portion of said grinder frame handle and to the bridge moving motor for actuating the latter, and switches connected to the grinder and carriage moving motors, said switches being within the reach of an operator on said platform.

2,627,705

SANDER HEAD

George W. Bruner, Indianapolis, Ind., assignor, by mesne assignments, to Anton Vonnegut, Indianapolis, Ind.

Application May 26, 1951, Serial No. 228,453
5 Claims. (Cl. 51-191)

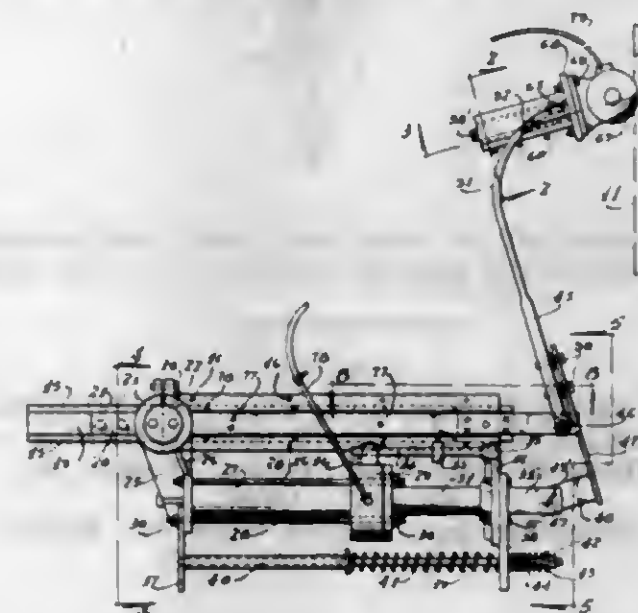
1. A sander head comprising a hub and spaced side supports, an annular series of applicator segments mounted in spaced relation about the periphery of said supports for individual and restricted radial sliding movement, a corresponding annular series of rollers carried by said supports inwardly of said segments toward said hub, and

an endless abrasive belt passing alternately about corresponding rollers and segments respectively movable thereover to present an annular series of individual separated abrasive surfaces.

2,627,706

SANDER ATTACHMENT FOR SHAPING MACHINES

Paul Peter Zwirck, New Orleans, La., assignor of one-half to New Orleans Furniture Manufacturing Company, New Orleans, La., a company of Louisiana

Application July 19, 1951, Serial No. 237,548
8 Claims. (Cl. 51-100)

8. In combination with a work carrier, a sander attachment for acting upon the work, said attachment including a base, a longitudinally movable member adjustably mounted on said base, an operating arm pivotally connected to said movable member and extending laterally from one side thereof, a revolvable abrading member connected to said arm and movable therewith for engagement with the work, fluid pressure means connected to said longitudinally movable member and operatively associated with said arm so as to cause the same to be swung about its pivot in order to move the abrading member into engagement with the work, and means for moving the arm and abrading member away from the work.

2,627,707

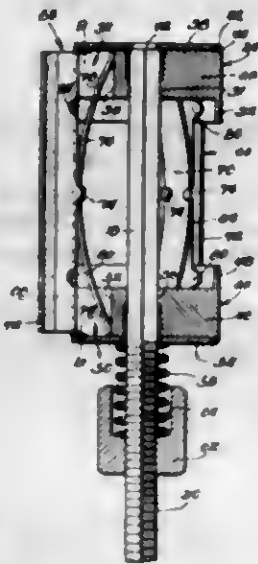
BRAKE CYLINDER HONE

Thomas E. Brooks, Clarinda, Iowa, assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa

Application November 30, 1948, Serial No. 62,710
16 Claims. (Cl. 51-184.2)

3. A grinding tool comprising a stem, a pair of axially spaced end members mounted on said stem, flanges on each end member extending toward the other end member, each end member having a plurality of circumferentially spaced slots extending radially therein, the slots of said pair of end members being aligned, abrasive members positioned with their respective ends in aligned slots, resilient bowed leaf springs engaging said abrasive members and biasing said abrasive members radially outward from said slots, lateral projections intermediate the ends of said abrasive members and adjacent the radial inner portion of the abrasive members, said lateral projections being located between said end members and adapted to engage the radial inner surface of said flanges, whereby the radial out-

ward movement of said abrasive members is limited, and means on said stem operatively



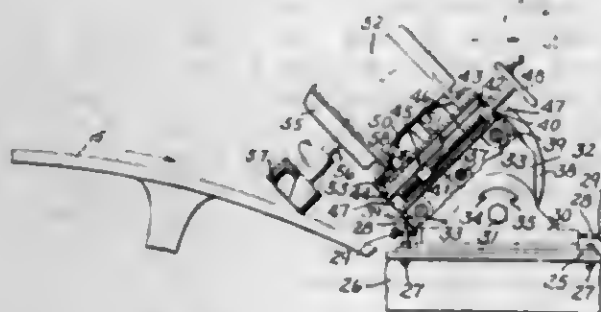
associated with at least one of said end members for varying the spacing between said end members.

2,627,708

METHOD OF TRUING THE PERIPHERAL SURFACES OF BAND SAW WHEELS

Milton H. Mater and Claud C. Walker, Sr.,
Corvallis, Oreg.

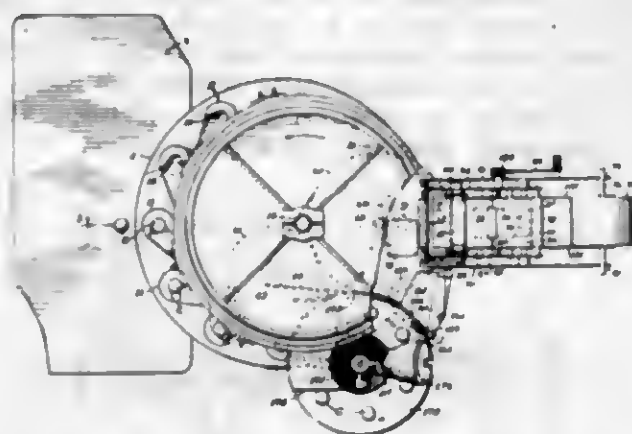
Application June 1, 1948, Serial No. 30,444
1 Claim. (Cl. 51-289)



The method of truing the peripheral surface of a band saw wheel of large diameter and comprising a rim and radial supporting means secured to portions of said rim with other portions thereof being radially free whereby centrifugal force effects distortion of the peripheral surface of said rim, comprising rotating the wheel to be trued at a high peripheral speed in the order of thousands of feet per minute approximating the peripheral speed of the wheel in use, contacting the distorted portions of the peripheral surface of said wheel with a peripheral edge of a relatively small grinding wheel whose axis of revolution is inclined with respect to the peripheral surface of the wheel at the point of contact and inclined with respect to a plane normal to the axis of the wheel, positively driving said grinding wheel at a relatively low peripheral speed in the order of hundreds of feet per minute, and maintaining the foregoing relative conditions and positions while grinding off the distorted areas of the peripheral surface of the rim during movement of the grinding wheel bodily parallel to the axis of rotation of the wheel whereby to remove surface portions of the rim until the peripheral surface of the wheel to be trued is a true cylinder while rotating at its approximate speed of use.

2,627,709 CANDY WRAPPING MACHINE

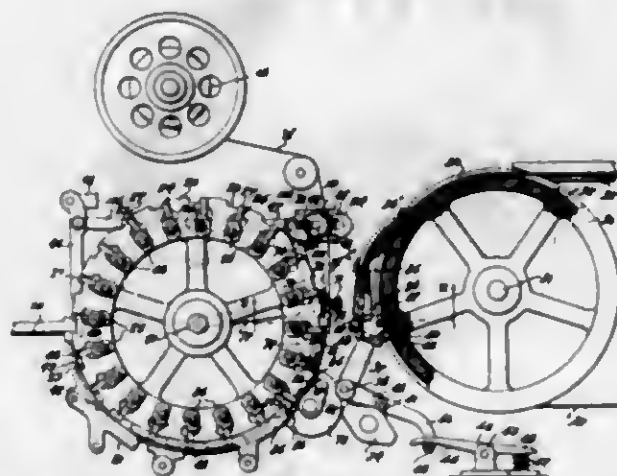
Theodore F. Schlicksupp, Long Island City, N. Y.
Application May 4, 1951, Serial No. 224,594
13 Claims. (Cl. 53-42)



1. In a machine for wrapping pieces of candy and the like having a circular series of candy handling and wrapping devices which revolve about a common axis and having feeding mechanism for feeding wrapping material toward the circular path along which said devices move, the combination therewith of a rotary carrier having a circular series of pockets each adapted to receive one of the pieces of candy to be wrapped, the circular path along which said devices move having a smaller radius than and being in eccentric relation to the circular path along which said pockets move, and the circular path of said devices lying within the circular path of said pockets except where the devices and the pockets pass said feeding mechanism for the wrapping material where portions of the two circular paths lie one over the other.

2,627,710 WRAPPING MACHINE

George I. Hohl, East Orange, Frederick H. Weise, Cedar Grove, Gottlieb A. Rist, Newark, and John M. Rist, East Orange, N. J., assignors to Processing Equipment Corporation, Freehold, N. J., a corporation of New York
Original application April 8, 1947, Serial No. 740,134. Divided and this application August 24, 1951, Serial No. 247,056
14 Claims. (Cl. 53-135)

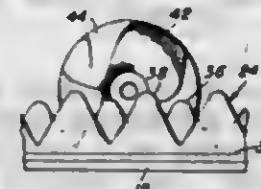


1. In a wrapping machine, an oscillatable article transfer means movable between an article delivery means and a rotated wrapping wheel having circumferentially spaced pockets in its periphery for the reception of transferred articles to be wrapped, said transfer means comprising a pivoted oscillator arm terminating in an impeller means, a relatively movable platform plate

slidably mounted in connection with the impeller means to initially project the forward thrusting end thereof, whereby to support an article to be transferred subject to propulsion thereby, and means operative to retract and advance said platform plate respectively during end phases of the forward and back movements of the impeller means.

2,627,711 WRAPPER CRIMPING APPARATUS

Victor V. Dixon, Lebanon, Oreg.
Application April 30, 1951, Serial No. 223,789
1 Claim. (Cl. 53-150)



In an apparatus for crimping end portions of wrappers on cylindrical articles, the combination of an inclined base plate, a pair of transversely spaced parallel wrapper engaging units positioned on said base plate in the direction of its inclination, and means adjustably attaching said wrapper engaging units to the base plate whereby the units may be moved toward and away from each other, each of said units comprising juxtaposed inner and outer upstanding straps provided with V-shaped notches and affording inverted V-shaped teeth having rounded upper extremities, the teeth on the outer strap being similar to but projecting above the teeth on the inner strap and being offset longitudinally therefrom so that they partly cover the notches between the teeth on the inner strap.

2,627,712 BEACH CLEANING MACHINE

Victor H. Chatten, Torrance, Calif., assignor to Sanitized Beaches, Inc., Torrance, Calif., a corporation of California
Application November 12, 1948, Serial No. 59,539
12 Claims. (Cl. 55-17)



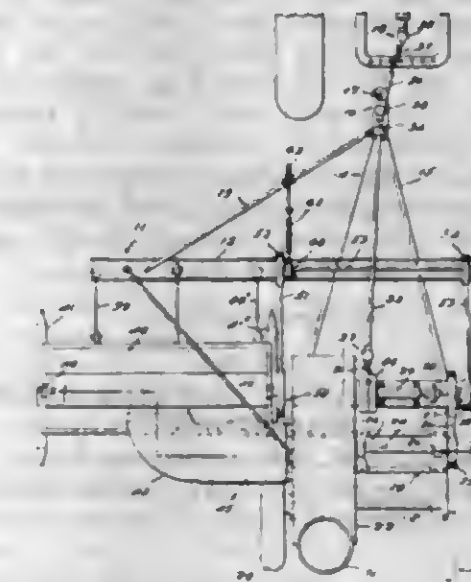
1. In a device of the class described, the combination of mobile frame, an inclined moving conveyor assembly on the frame, said assembly including a plurality of self-loading buckets, each bucket having a screen portion adapted to allow relatively fine material to sift therethrough while retaining relatively coarse material in the bucket; and cooperating means on said frame and said buckets for vibrating the buckets as a consequence of the conveyor movement, said means cooperating with a follower including ratchet means to vibrate the buckets individually and out of synchronism.

2,627,713 SUCTION-TYPE SEED HARVESTER

Clarence T. Manning, Eagle, Mich.
Application May 6, 1949, Serial No. 91,834
3 Claims. (Cl. 56-19)

1. A suction-type harvester adapted to be towed and driven by an agricultural tractor hav-

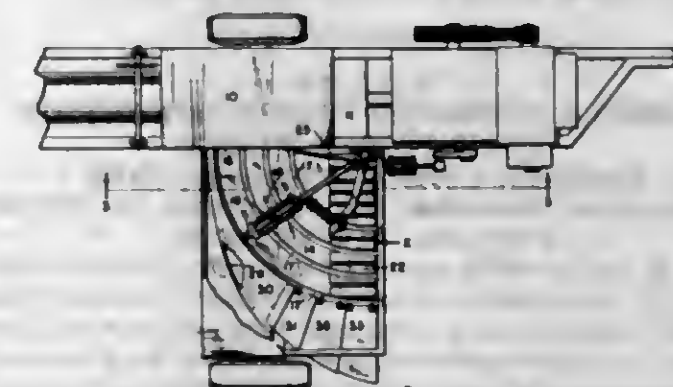
ing a power take-off connection comprising a wheel-supported frame including a drawbar bracket for connection to an associated tractor, a blower including a housing mounted on said frame and provided with an inlet and an outlet and a rotor journaled in said housing, a ground-supported housing connected to said frame for up-and-down movement relative to the latter and having an open bottom, end walls and a discharge conduit, conduit means connecting the discharge conduit of said ground-supported housing to the inlet of said blower housing for limited freedom of movement of said ground-supported housing relative to said blower housing, a rotary beater disposed in said ground-supported housing adjacent the open bottom of



the latter and journaled at its ends in the end walls of said ground-supported housing, and drive means mounted on said frame and connected to said blower rotor and said rotary beater for drivingly connecting the power take-off connection of an associated tractor to said rotor and said beater, said ground-supported housing also having a front wall and a rear wall, and a baffle extending transversely of said ground-supported housing above said rotary beater and between said end walls with one edge spaced from said rear wall to provide a narrow intake passage and with its other edge secured to said front wall, said baffle sloping downwardly and forwardly toward said front wall to provide thereabove a receptacle for stones thrown by said beater through said intake passage.

2,627,714 HAY BALER

Percy F. Freeman, Jr., and John M. Freeman, Portland, Oreg.
Application February 13, 1951, Serial No. 210,708
4 Claims. (Cl. 56-341)



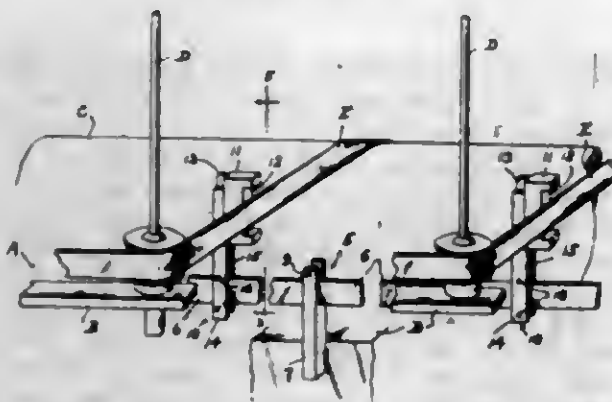
1. In a baler including a main frame and a baling chamber with an entrance opening into the

side of the baling chamber, a rotary pick-up device extending laterally with respect to said main frame, a hay receiving chamber located above said pick-up device and leading from said pick-up device to said entrance opening, a curved back wall in said hay receiving chamber, an inner side wall and an outer side wall in said hay receiving chamber, said outer side wall being curved and partly overlapping said back wall, hay sweeping means in said hay receiving chamber, said sweeping means moving in an arcuate path extending from the front of said hay receiving chamber to said entrance opening, the width of said path being approximately equal to the width of said entrance opening, the front width of said hay receiving chamber being considerably greater than said path and said path being positioned a substantial distance from said outer side wall in said hay receiving chamber at the front, a member at the top of said hay receiving chamber located above said path, and a plurality of successive cover plate sections hinged to said member, said cover sections extending outwardly from the forward portion of said member to the top edge of said outer side wall and normally resting on the top of said wall.

2,627,715

TAPE CLEANER FOR COTTON SPINNING MACHINES

Leonard K. Horne, Rome, Ga.

Application October 19, 1951, Serial No. 252,077
2 Claims. (Cl. 57-56)

1. The combination with a cotton spinning machine including a frame and plurality of tape driving spindles, upstanding brackets secured to the frame of the cotton spinning machine and having aligned guide ways therein, an elongated operating bar slidably mounted in the aforesaid guide ways, means removably securing the operating bar in said guide ways, a handle on the operating bar, brackets secured to the guide bar adjacent the tapes, rubber cleaning heads secured to the last mentioned brackets and having the base portions of cut out edges thereof closely disposed in opposed relation to the sides of the tapes when in inoperative position.

2,627,716

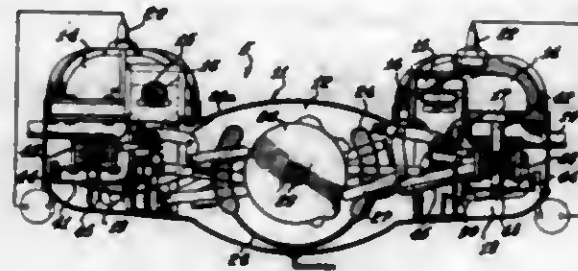
VEHICLE INTERMITTENT COMBUSTION TYPE POWER PLANT

Frank M. Christian, Ventura, Calif.

Application December 12, 1947, Serial No. 791,440
6 Claims. (Cl. 60-39.8)

3. A power unit involving: a pair of fixed combustion chambers; a mechanically operated discharge valve and a pressure responsive discharge valve for each combustion chamber and sharing a common discharge duct; a mechanically operated intake valve for each combustion chamber, controlling admission of compressed air thereto;

an ignitor for each combustion chamber and a first and second series connected control switch therefor; a fuel injector for each combustion chamber; a cam shaft disposed between said combustion chambers; means for rotating said cam shaft; a plurality of cams on said cam shaft; and sets of cam follower and linkage means for



operatively connecting said cam with said mechanically operated discharge valve, said intake valve, said injector and said first ignitor control switches respectively, said second control being operatively associated with said pressure responsive discharge valve to open said ignitor circuit on opening of said valve.

2,627,717

MULTIPLE GAS TURBINE POWER PLANT HAVING SPEED GOVERNORS TO BYPASS POWER TURBINE AND REGULATE FUEL FEED

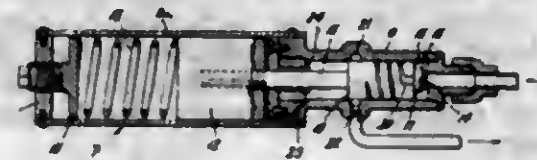
Carl Richard Waller, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey

Application June 11, 1948, Serial No. 32,328
3 Claims. (Cl. 60-39.17)

1. In combination, means for supplying heated driving gases, means providing fuel to said supplying means, a compressor delivering air to said supplying means, a first turbine driving said compressor, a second turbine having a shaft for delivering useful power, means delivering driving gases from said supplying means to the first turbine to drive the same, means directing driving gases exhausted from the first turbine to the second turbine to drive the latter, a bypass through which driving gases may be diverted from said directing means, a valve controlling said bypass, a first governor driven by the first turbine, means controlled by the operation of the first governor for controlling the supply of fuel through said fuel providing means, the first governor and the means controlled thereby reducing the fuel supply with increase of speed of the first turbine and vice versa, means for adjusting the setting of said first governor to vary the relationship between the fuel supplied and the speed of the first turbine, a second governor driven by the second turbine, means controlled by the operation of the second governor for opening the valve controlling said bypass with increase of speed of the second turbine and vice versa, and means for adjusting the setting of the second governor to vary the relationship of the valve controlling said bypass to the speed of the second turbine.

2,627,718

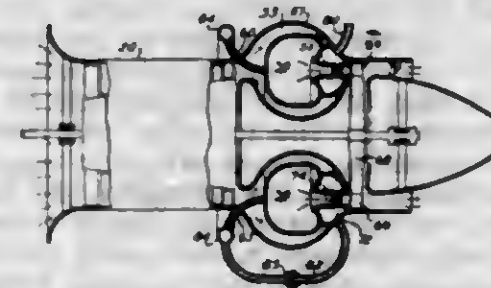
FUEL METERING SYSTEM

Ivan H. Edelfelt and Donald E. Garr, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application March 17, 1948, Serial No. 15,414
5 Claims. (Cl. 60-39.35)

3. In a fuel metering system for a reaction motor, said system being subjected to centrifugal force, a fuel pump, a fuel line connecting said fuel pump and said reaction motor, and a control valve located in said fuel line adjacent said motor, said control valve containing a radially movable valving piece responsive to centrifugal force to reduce the flow of fuel, the centrifugal force acting upon said fuel opposing the motion of said valve whereby the effect of centrifugal force on the rate of fuel flow is nullified.

2,627,719

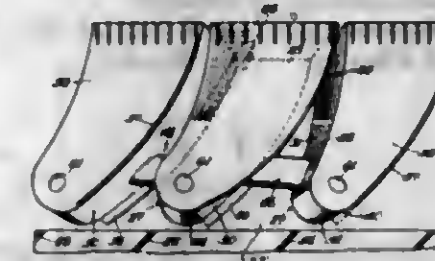
GAS TURBINE COMBUSTION CHAMBER HAVING CONTROLLED LAMINAR FLOW OF AIR FOR COMBUSTION AND INSULATION

Edward A. Stalker, Bay City, Mich.
Application June 13, 1947, Serial No. 754,499
9 Claims. (Cl. 60-39.36)

3. In combination, outer and inner walls defining a heating chamber having an annular combustion space therebetween, said chamber having its length in the direction of a main flow therethrough, said inner and outer walls each having a plurality of peripherally spaced slots, each said slot having a substantial projection of length along said length of said chamber and extending through the walls thereof, means to discharge jets of compressed air into said combustion chamber through said slots, said slots having their walls offset one to the other to direct said compressed air jets transversely to said chamber length and substantially tangentially along the inner surfaces of said walls thereby inducing a spin of the air within said chamber, said slots as a group being extensive over a major portion of said chamber length, said compressed air jets forming insulating layers adjacent the walls of said chamber, and means to heat said air within said chamber to provide a motive gas, said chamber having a discharge nozzle at its downstream end for emitting said motive gas as a motive jet, said nozzle directing said jet.

2,627,720

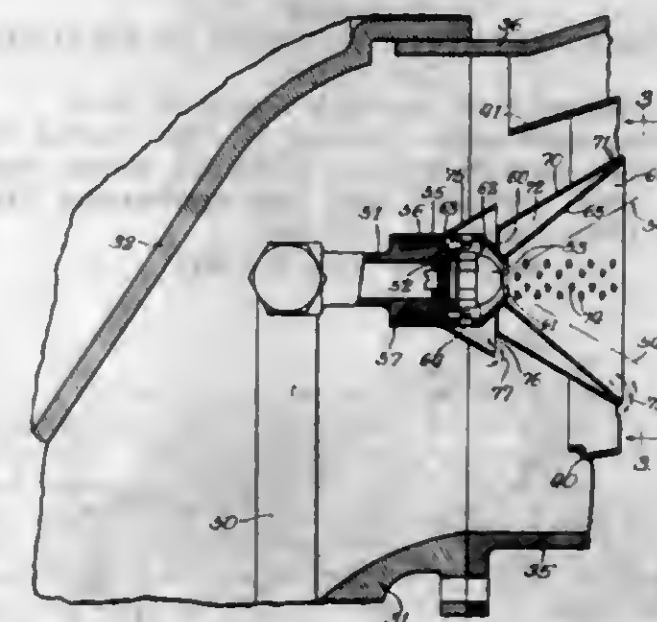
CIRCUMFERENTIALLY ARRANGED COMBUSTION CHAMBER WITH ARCuate WALLS DEFINING AN AIR FLOW PATH BETWEEN CHAMBERS

Robert M. Williams, Toledo, Ohio, and George F. Wislicenus, Baltimore, Md., assignors to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 6, 1948, Serial No. 53,438
12 Claims. (Cl. 60-39.65)

10. A gas turbine comprising an air compressor section, and a combustion chamber section having a passage for receiving the air stream from said air compressor section, and a plurality of hollow chamber members mounted in said passage in spaced relation to each other to permit a major portion of the air stream to pass therebetween, and guide vanes positioned between the chamber members and extending from one chamber member to another to guide the flow of said major portion of the air stream, said guide vanes being hollow and providing communication between said chamber members to conduct hot gases from one member to another.

2,627,721

COMBUSTION MEANS FOR JET PROPULSION UNITS

Iver T. Rosenlund, Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 30, 1947, Serial No. 725,347
7 Claims. (Cl. 60-39.72)

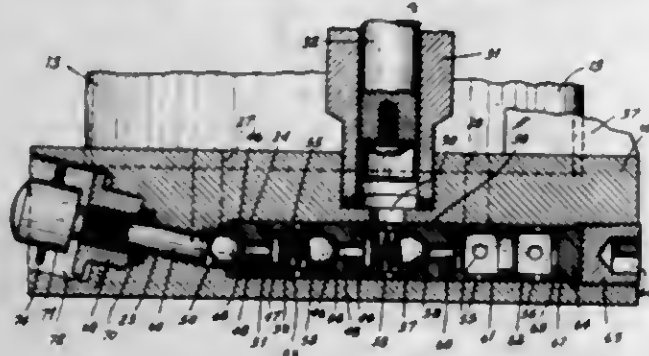
2. A burner for use in a high velocity air blast comprising a hollow hub, a nozzle mounted in said hub for directing a spray of fuel downstream in the air blast, an air diffuser extending downstream from the hub and providing a combustion space about the spray, a shield extending about said diffuser and producing a low pressure area at the downstream end of said diffuser for drawing air into said space, the upstream end of said shield being open and spaced from

the diffuser to admit air thereto, and a deflector carried by said hub for protecting the open end of said shield from direct action by the high velocity blast but spaced from the upstream end of said shield for permitting entrance of air at a reduced velocity.

2,627,722

HYDRAULIC JACK

Douglas Johnston, Huntsville, Ala., assignor to General Fluid Machinery Company, Huntsville, Ala., a corporation of Alabama
Application January 29, 1947, Serial No. 725,013
5 Claims. (Cl. 60-52)

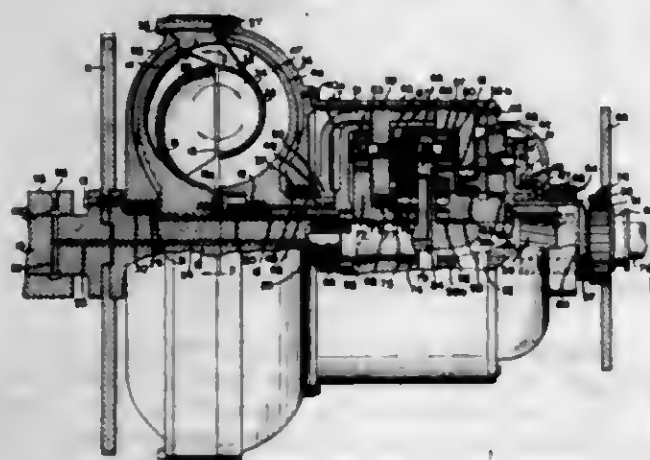


1. In a jack, a base, a hydraulic fluid reservoir, an operating cylinder, a ram in the operating cylinder, a pressure cylinder, a pressure producing means in the pressure cylinder, an elongated, cylindrical opening of constant cross section extending at least partially through the base and having an entrance at one surface of the base, a first passage from the opening to the reservoir, a second passage from the opening to the pressure cylinder, a third passage from the opening to the operating cylinder, a fourth passage from the opening to the reservoir, removable valve means in the opening between the first and second passages, removable valve means in the opening between the second and third passages, and removable valve means in the opening between the third and fourth passages.

2,627,723

ROTARY, MULTIPLE TURBINE HYDRAULIC COUPLING

Frederick W. Seybold, Westfield, N. J.
Original application October 11, 1949, Serial No. 120,649, now Patent No. 2,548,272, dated April 10, 1951. Divided and this application May 12, 1950, Serial No. 161,682
6 Claims. (Cl. 60-54)



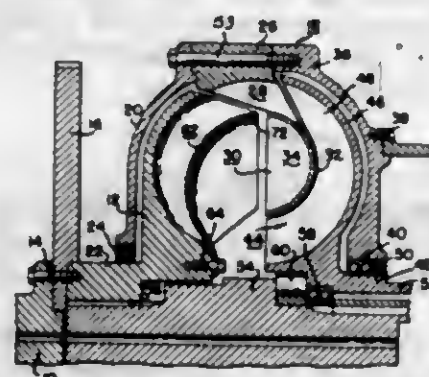
1. In a fluid coupling; an impeller having radial partitions, a plurality of concentric runners rotatable relative to each other and to said impeller and each having a semi-toroidal shell

with partitions, and curved means on the impeller extending between the partitions thereof and forming a shell smaller than the impeller with its outer peripheral edge normally located in axial alignment with the outer edge of the shell of the inner runner and closely adjacent thereto so the impeller is normally effectively coupled with only the inner of the runners, said curved means being secured to the impeller adjacent its hub and having its outer peripheral edge free for movement whereby a predetermined radial thrust on said means will cause it to yield outwardly and couple the impeller with others of said runners.

2,627,724

ROTARY, MULTIPLE TURBINE HYDRAULIC COUPLING

Frederick W. Seybold, Westfield, N. J.
Application May 20, 1950, Serial No. 163,245
4 Claims. (Cl. 60-54)



1. In a fluid coupling; a rotatable impeller having partitions, a pair of concentric runners rotatable relative to each other and to said impeller, said runners having radial partitions, individual curved finger elements mounted on the hub of the impeller and extending outwardly between the partitions of said impeller and serving to deflect the fluid pumped by the impeller into the inner one of said runners, means pivotally supporting the finger elements on the impeller adjacent the hub thereof, second means on the impeller urging said finger elements in their said inner positions, said second means urging said finger elements inwardly and yielding to permit movement of the said finger elements outwardly whereby the impeller may be coupled with the outer of said runners, at least the inner of said runners having a shell substantially semicircular in cross section, the outer edge of which is closely adjacent the inner position of the outer ends of the finger elements whereby the fluid pumped by the impeller when the finger elements are in their inner positions passes directly into the said shell.

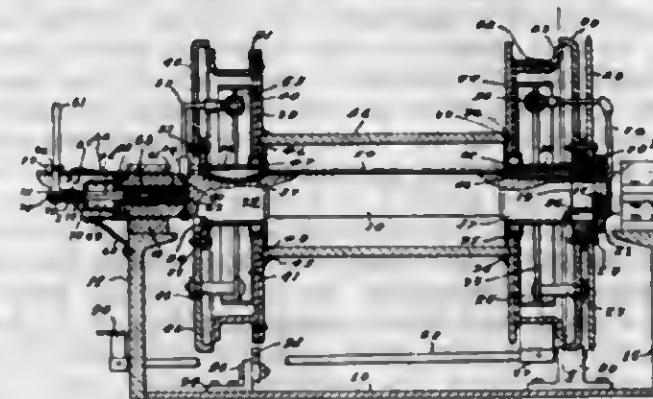
2,627,725

HYDRAULIC OPERATOR FOR WINCHES

Stanley Cochran, Rose Lake, and Albert R. Carpenter, Cataldo, Idaho, assignors of one-third to A. E. Lunden, Coeur d'Alene, Idaho
Application June 2, 1947, Serial No. 751,890
2 Claims. (Cl. 60-54.6)

1. In a winch operating means, the combination with the frame and the power shaft of a winch, of an hydraulic control cylinder within the shaft, a piston in said cylinder, a piston rod secured to the piston, said rod being non-rotatably mounted in said shaft and projecting therefrom, a thrust bearing member rotatably receiving the projecting end of said rod, spring means in the cylinder urging the piston rod

against the thrust bearing member, and manual means on the frame for moving the bearing member endwise of the shaft toward the cylinder.

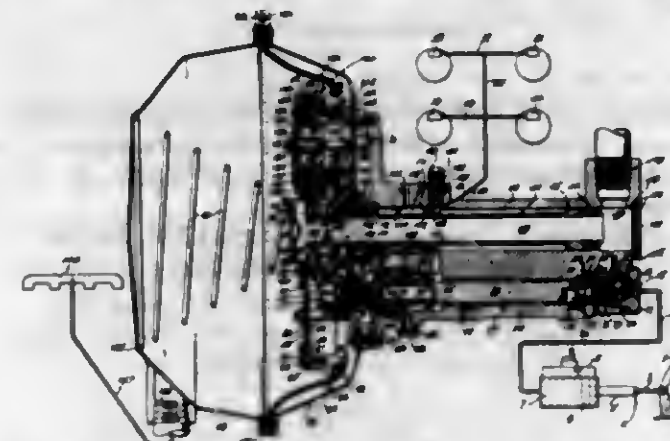


der, said manual means comprising a shell over the rod and bearing and a lever pivoted in the shell and operably engaging the bearing member.

2,627,726

POWER UNIT FOR DELIVERING HYDRAULIC POWER

Edward A. Rockwell, Shaker Heights, Ohio
Application August 15, 1946, Serial No. 690,638
19 Claims. (Cl. 60-54.5)



7. A power unit comprising an inlet for fluid pressure differing from the atmospheric pressure, a movable member responsive to said pressure, a casing for said member, control means for controlling the application of said pressure to said member, valve means operated by said control means for applying said fluid pressure to said member, an air vent leading to said movable member, and plates on said member forming an air passageway leading to said valve means, said control means comprising a valve operating lever and a flexible diaphragm subsidiary to the movable member, connected to the valve lever.

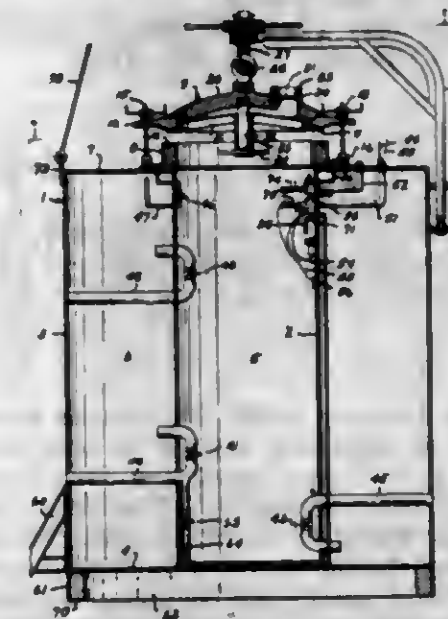
2,627,727

GEOPHYSICAL PROSPECTING DEVICE

Clemille F. Sellers, El Banco, Colombia, South America, assignor to Robt. H. Ray, Inc., a corporation of Texas
Application October 22, 1946, Serial No. 704,861
2 Claims. (Cl. 61-69)

1. Apparatus for making geophysical measurements in water covered areas comprising, a submersible bell adapted to be lowered to and rest upon the submerged surface, there being a chamber within said bell to accommodate the geophysical instrument and the operator therefor to obtain geophysical measurements when the bell is on bottom, a removable closure for said bell for ingress and egress of the operator and instrument when the bell is lifted to the surface of the submerging medium, a weighted skirt ex-

tending downwardly from the bell to enter the submerged surface and stabilize the bell during the taking of geophysical measurements, and a combination support and anchor means secured

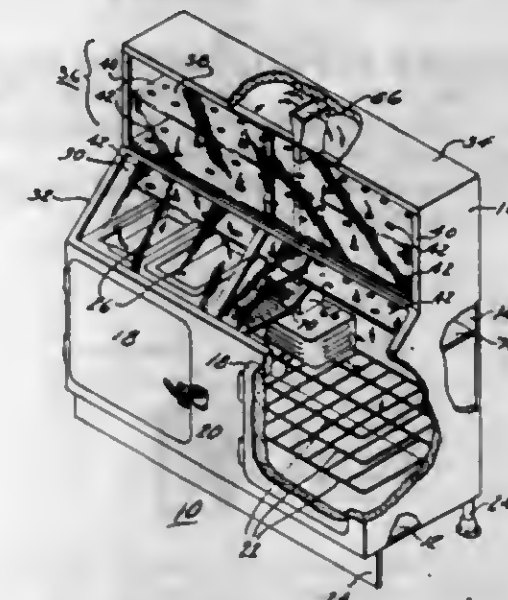


to said bell and extending outwardly and downwardly adjacent said skirt, said means comprising tripod legs adapted to enter the submerged surface and anchor said bell during the taking of geophysical readings.

2,627,728

REFRIGERATED DISPLAY CASE

Abraham S. Levin, Philadelphia, Pa.
Application April 1, 1950, Serial No. 153,466
3 Claims. (Cl. 62-89.5)



1. A refrigerated display case including a lower storage compartment and an upper storage compartment, a horizontal partition located between said compartments and having its center portion perforated, a perforated shelf located above said partition and extending horizontally across said upper compartment at a point below the top wall of said upper compartment, a refrigerating unit within said lower compartment, a casing enclosing said refrigerating unit and having an air inlet in one side wall thereof, an air outlet in another side wall thereof, and an air outlet in the top wall thereof, a blower for drawing air from the interior of said lower compartment into contact with said refrigerating unit, to cool the same, and for discharging the cooled air through said outlets, and a flue leading from the outlet in the top wall of said casing to a point above said perforated shelf.

2,627,729

REFRIGERATING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application May 17, 1950, Serial No. 162,434
3 Claims. (Cl. 62-103)

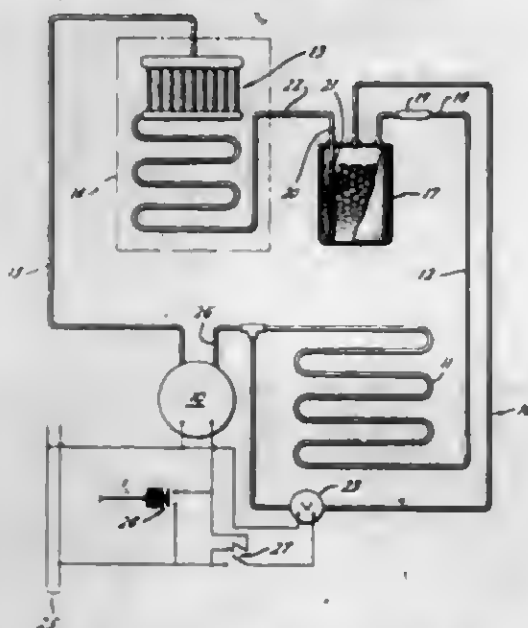


1. A water and air baffle for use in a refrigerator cabinet to separate a pair of compartments comprising, a flat pan having a front substantially imperforate section and a rear coplanar section, an air passage through said rear section, an upstanding flange around said passage forming a water dam and also forming a slideway, a slidable damper on said slideway controlling said passage, said damper having a downturned flange transversely of and resting at its lower edge on said upstanding flange to slide thereon and having an adjacent edge overhanging said flange, said downturned flange spacing the damper proper from the upper edge of said upturned flange to determine minimum air flow through said passage when the damper is in fully closed position, a rib on said dam extending in said opening transverse to said downturned flange, and a guide slot in said downturned flange receiving said rib.

2,627,730

DEFROSTABLE REFRIGERATION SYSTEM

Elmer W. Zearfoss, Jr., Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 9, 1950, Serial No. 200,019
2 Claims. (Cl. 62-115)



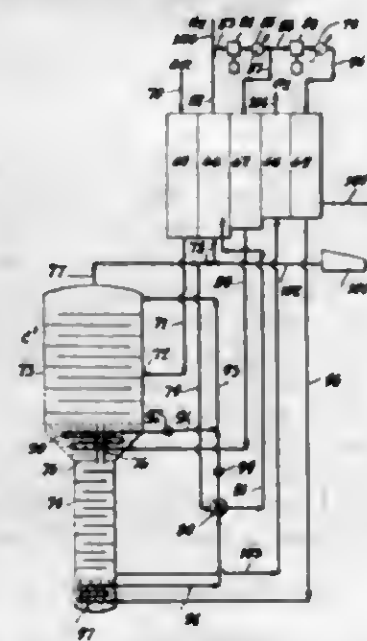
1. In a refrigeration system having compressor, condenser, restrictor and evaporator elements normally so connected that refrigerant flows through said elements in the order named whereby to vaporize refrigerant within said evaporator, means for modifying the flow of refrigerant through said system to cause condensation of refrigerant within the evaporator and consequent heating of the latter, comprising: conduit means by-passing said restrictor and op-

erable to deliver to said evaporator hot gaseous refrigerant flowing from the compressor, to effect the aforesaid condensation and consequent heating of the evaporator; and apparatus adapted to increase the quantity of liquid refrigerant active in the system under the aforesaid modified condition of operation, said apparatus comprising a vessel with an upper portion of which said restrictor is in open communication, said vessel further being connected to said evaporator through the agency of a pipe having an opening communicating with a lower sump portion of the vessel, said vessel serving, under normal conditions of operation, to collect liquid refrigerant within said lower sump portion to a level well above the said pipe opening, and said conduit means being in communication with an upper portion of said vessel and delivering thereto, under said modified condition of operation, hot gaseous refrigerant whereby to drive liquid refrigerant contained in said accumulator through said pipe opening and into said evaporator, under the influence of pressure exerted by said gaseous refrigerant against the free surface of liquid refrigerant contained within said vessel; and means normally preventing flow of gaseous refrigerant through said conduit means and operable to establish said modified flow of refrigerant within the system by permitting flow of gaseous refrigerant through said conduit means.

2,627,731

RECTIFICATION OF GASEOUS MIXTURES

Manson Benedict, Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application June 18, 1949, Serial No. 99,956
5 Claims. (Cl. 62-175.5)



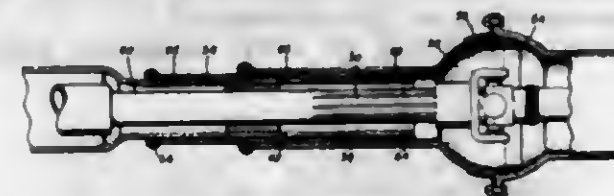
1. A process of rectifying a gaseous mixture to recover two gaseous rectification products, each in substantial proportion, which comprises rectifying said gaseous mixture in a rectification zone through which a liquefied portion of said gaseous mixture descends from the upper end to the lower end of said zone, subjecting said liquefied portion to reboiling when passing through a region of said zone intermediate said upper and lower ends and again to reboiling when reaching said lower end, recovering a top gaseous rectification product in substantial proportion from said upper end and a bottom gaseous rectification product in substantial proportion from said lower end, compressing part of said top product, dividing the compressed part into two streams, passing one of said streams in indirect heat exchange relation

with the liquefied portion passing through the intermediate region of said zone to effect said reboiling, further compressing the other of said streams, passing the further compressed stream in indirect heat exchange relation with the liquefied portion reaching said lower end to effect again said reboiling, thereafter decompressing said two streams and discharging them into said upper end of said zone.

2,627,732

REPLACEMENT BUSHING ASSEMBLY

Theodore C. Gerner, Oklahoma City, Okla.
Application December 30, 1946, Serial No. 719,319
2 Claims. (Cl. 64-1)

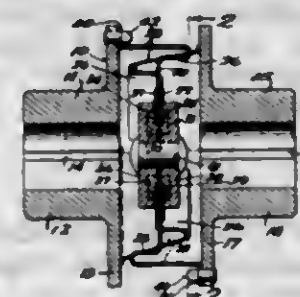


1. A repair unit for a propeller shaft housing including a bushing of uniform external diameter engageable upon the worn portion of a propeller shaft housing, fastening means for securing said bushing upon the worn portion of said housing, and a sleeve engageable with a universal joint housing and journaled upon said bushing, said fastening means including internal deformable ridges on said bushing for press fit engagement with said propeller shaft housing at a plurality of longitudinally spaced zones thereon.

2,627,733

CONSTANT VELOCITY SHAFT COUPLING

Walter E. Amberg, Beverly Shores, Ind.
Application December 14, 1949, Serial No. 132,893
7 Claims. (Cl. 64-21)



1. A constant velocity and balanced torque shaft coupling for misaligned shafts comprising, a first fitting to be secured to one shaft, a second fitting to be secured to the other shaft, at least three diagonal spring leaves interposed between the fittings and each having its end portions bent laterally in opposite directions, a pivotal connection joining the diagonal spring leaves intermediate the ends thereof, and means for securing the laterally bent portion of one end of each diagonal spring leaf to the first fitting only and for securing the laterally bent portion of the other end of each diagonal spring leaf to the second fitting only.

2,627,734

UNIVERSAL JOINT

Marcel Villard, Colombes, France
Application August 2, 1947, Serial No. 765,669
In France December 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 14, 1965
7 Claims. (Cl. 64-21)

1. A joint which comprises, in combination, a driving shaft and a driven shaft, a spherical

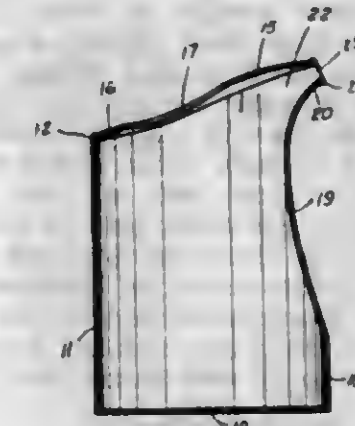
fork rigid with each of said shafts, respectively, each of said forks being provided, in its inner face, with at least two grooves located in respective planes at right angles to each other and passing through the axis of the corresponding shaft, arcuate pieces slidably guided in said grooves, respectively, one of the two pieces engaged in each fork being of circular, partly annular shape and extending over an angle greater than 180°, the other of said two pieces being solid and in the form of a portion of a circular



2,627,735

LIQUID DISPENSING CUP

Carl J. Dexter, Battle Ground, Ind.
Application May 12, 1949, Serial No. 92,829
3 Claims. (Cl. 65-13)

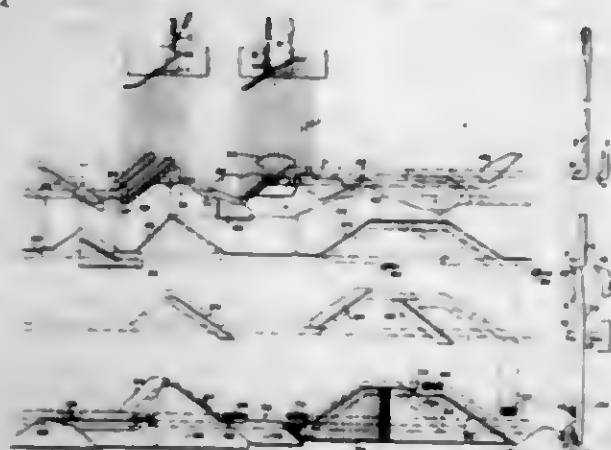


1. A handleless drinking vessel comprising a hollow cylindrical body portion having a closed bottom, the body portion providing sides and having at its upper edge, inclining upwardly from opposite sides, a partial top closure portion bridging the upper edges near the uppermost portions of said sides, the body wall immediately contiguous to the edge portion of the closure portion forming therewith a dispensing mouth, said immediately contiguous body wall below said mouth being substantially flat transversely and having a reentrant concave surface roughly cylindrical about a transverse axis and extending from beneath said mouth to a point spaced from the bottom for lower lip accommodation and comprising a discharge controlling dam, said reentrant body portion adjacent the mouth including an inwardly and downwardly directed curved wall portion and adjacent the bottom including an inwardly and upwardly directed curved wall portion, said two curved portions merging one with the other.

2,627,736

KNITTING MACHINE

Robert H. Lawson, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application March 18, 1950, Serial No. 150,483
25 Claims. (Cl. 66—42)

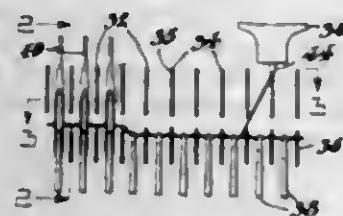


1. In a knitting machine, needles, jacks individually associated with said needles and controlling, in part, their movements, means for feeding at least a first yarn and a second yarn to the needles at a first feed point, means for feeding at least a third yarn to the needles at a second feed point, cams for controlling lengthwise movements of the needles and jacks, and selective means operable on said jacks, only following one of said feed points and preceding the other, and during the formation of a single continuous fabric: to cause at least one needle to draw in a single movement past both feed points a pair of stitches, one comprising both the first and second yarns with the first plated over the second, and the other comprising said third yarn; to cause at least a second needle to draw in a single movement past both feed points a single stitch comprising both the first and second yarns with the first plated over the second; to cause at least a third needle to draw in a single movement past both feed points a single stitch comprising, of the aforementioned yarns fed at the first feed point, only the second yarn; and to cause at least a fourth needle to draw in a single movement past both feed points a pair of stitches, one comprising, of the aforementioned yarns fed at the first feed point, only the second yarn, and the other comprising only said third yarn.

2,627,737

CARRIER ROD CONTROL MECHANISM FOR KNITTING MACHINES

Kurt G. Esche, Chattanooga, Tenn., assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application June 23, 1950, Serial No. 169,852
23 Claims. (Cl. 66—89)



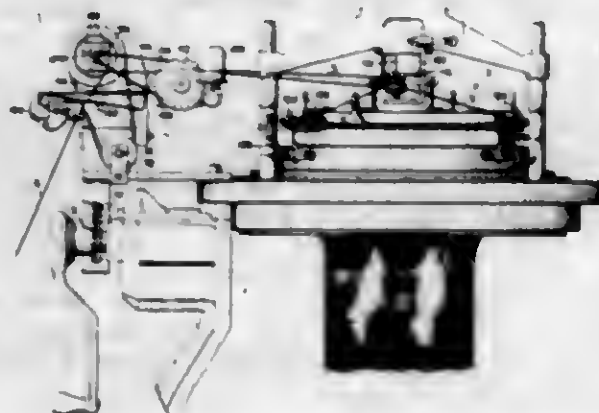
1. In a method of fashioning full-fashioned knit fabric to prevent the formation of unduly long and unsightly loops at the point of reversal of a yarn carrier, the steps comprising reversibly moving a carrier in a coursewise path, holding the carrier against movement during fashioning

cycles at a point of reversal of the movement of the carrier, moving the carrier during fashioning cycles for two needle distances only from its initial position of rest in the direction to lay yarn but prior to the coming forward in such cycles of the sinkers and dividers to strip the loops down on the needles, bringing the sinkers and dividers forward and then moving the yarn carrier back to its initial position of rest before beginning the couler stroke for the next knitting cycle.

2,627,738

ELASTIC YARN FEEDING MEANS FOR KNITTING MACHINES

Robert H. Lawson, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application January 12, 1951, Serial No. 205,744
9 Claims. (Cl. 66—132)

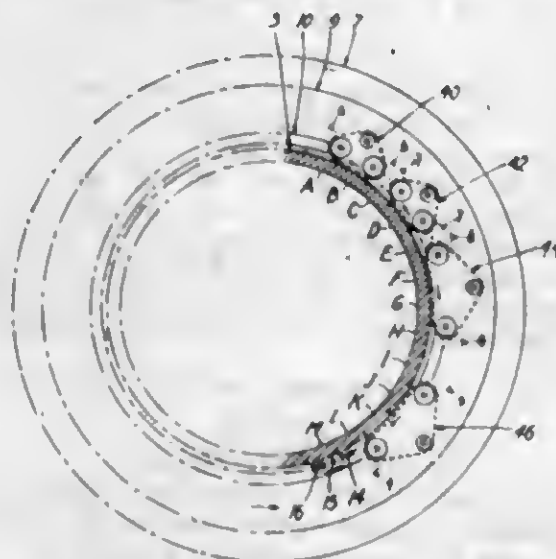


1. In combination with knitting mechanism having a plurality of feed points, a feeding head of capstan type for receiving a plurality of elastic strands, said strands being wound about said head, and means for guiding said strands to the respective feed points, said means comprising an array of freely rotatable pulleys about which said strands pass and so arranged that each strand passes about the same number of pulleys between the feeding head and its corresponding feed point.

2,627,739

KNITTING MECHANISM

Vincent Lombardi, South Miami, Fla.
Application April 17, 1951, Serial No. 221,430
21 Claims. (Cl. 66—135)



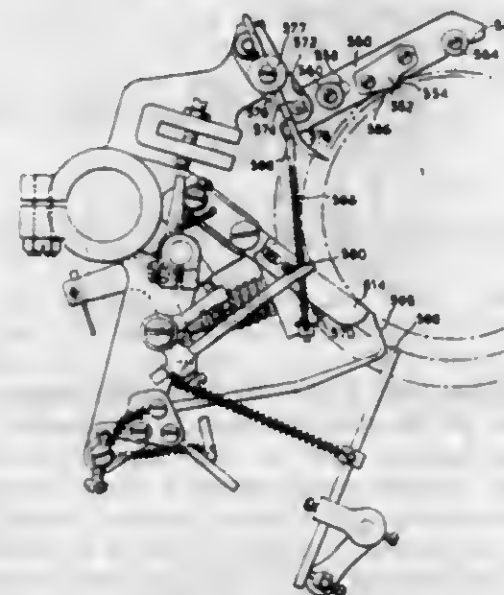
1. In or for a circular knitting machine, track means defining a course adapted to guide a cam carrier to carry a cam along a line at a given distance from the operative ends of a row of

knitting elements and a longer return course extending away from said line and back thereto to guide the cam carrier to carry the cam back to its starting point by a unidirectional movement along said track, a cam carrier guided by said track, and a knitting-element-actuating cam on said carrier.

2,627,740

KNITTING MACHINE

Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Original application December 30, 1948, Serial No. 68,114. Divided and this application June 17, 1950, Serial No. 168,813
5 Claims. (Cl. 66—165)



1. A knitting machine comprising superposed needle cylinders, needles carried by said cylinders, sliders controlling movements of said needles, and a stop motion including a detector constructed and arranged to be engaged by sliders moving in one direction through an incorrect path to trip the stop motion, but to yield to the passage of sliders moving in the opposite direction without tripping the stop motion though the sliders are at a level corresponding to the level of the incorrect path in the first mentioned direction.

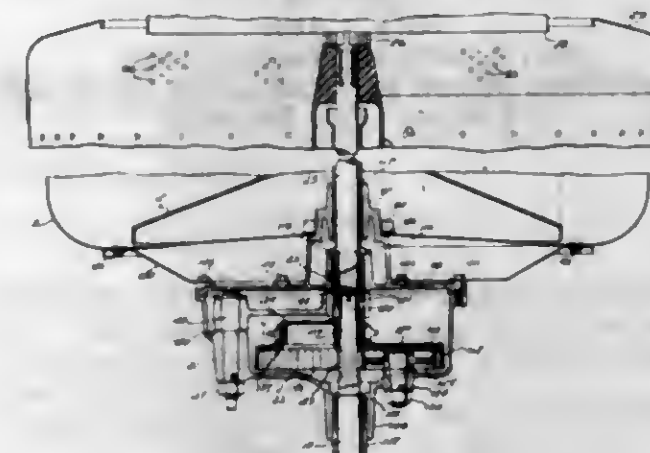
2,627,741

WASHING MACHINE PROVIDED WITH PLANETARY DRIVE MEANS

David A. Johnson, St. Joseph, Mich., assignor to Whirlpool Corporation, a corporation of New York
Application July 21, 1949, Serial No. 105,949
3 Claims. (Cl. 68—23)

1. Driving mechanism adapted for a combined washing and extracting machine having a cabinet having a clothes container journaled therein for rotation about a vertical axis and having an oscillating dasher therein, comprising a housing secured to and depending from said clothes container, a rotating drive shaft extending upwardly through the bottom of said housing and having a pinion thereon, a motor, means driven by said motor for driving said shaft, an oscillating drive shaft aligned with said first drive shaft and having said dasher supported thereon, bearing means between the adjacent ends of said shafts supporting one shaft on the other, a sleeve encircling said rotating drive shaft and secured to said housing, mechanical means for rotating said sleeve from said shaft to rotate said housing and

said clothes container for extraction, brake means for holding said sleeve and housing from rotation, and means reacting against said housing when held from rotation to oscillatably drive said oscillating shaft and dasher for washing, comprising a pinion on said oscillating shaft extending downwardly within said housing and encircling said rotating drive shaft and disposed above said pinion on said rotating drive shaft, a casing rotatably journaled on said rotating

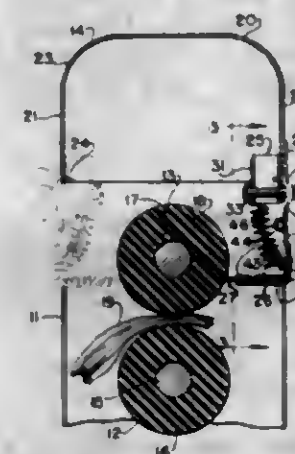


drive shaft between said pinions, planetary gearing for rotatably driving said casing comprising an internal gear on said casing, a planetary gear journaled within said housing and meshing with said internal gear, and driven by said pinion on said rotating drive shaft, and oscillating drive mechanism connected between said casing and said pinion on said oscillating drive shaft for oscillatably driving said pinion and the dasher thereon, upon the holding of said housing from rotation.

2,627,742

WRINGER ATTACHMENT

Benjamin F. Kalina, Bowman, N. Dak.
Application February 7, 1950, Serial No. 142,896
2 Claims. (Cl. 68—270)

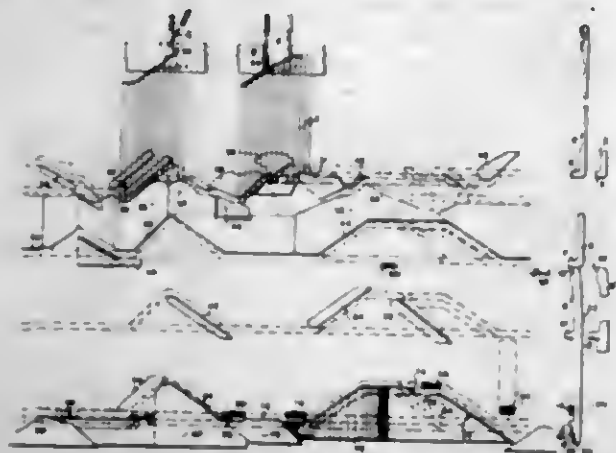


1. In combination, a wringer comprising a pair of vertically superposed cooperating rollers, a cover above and coextensive with the upper one of the rollers, said cover having a vertical sidewall having a lower edge located at one side of the rollers, a vertical plate engaging a side of the cover sidewall and depending below the said lower edge of the sidewall in laterally spaced relation to the said one side of the upper roller, means securing said plate to the cover side wall, a second vertical plate having an upper end horizontally hinged to a lower part of said first named plate, an erect L-shaped bracket having two legs disposed at right angles to each other, one of said legs overlying a portion of and secured to said second vertical plate, said one leg normally occupying a vertical position with the other of said

2,627,736

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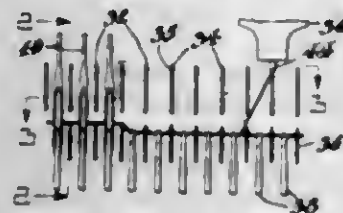


1. In a knitting machine, needles, jacks individually associated with said needles and controlling, in part, their movements, means for feeding at least a first yarn and a second yarn to the needles at a first feed point, means for feeding at least a third yarn to the needles at a second feed point, cams for controlling lengthwise movements of the needles and jacks, and selective means operable on said jacks, only following one of said feed points and preceding the other, and during the formation of a single continuous fabric: to cause at least one needle to draw in a single movement past both feed points a pair of stitches, one comprising both the first and second yarns with the first plated over the second, and the other comprising said third yarn; to cause at least a second needle to draw in a single movement past both feed points a single stitch comprising both the first and second yarns with the first plated over the second; to cause at least a third needle to draw in a single movement past both feed points a single stitch comprising, of the aforementioned yarns fed at the first feed point, only the second yarn; and to cause at least a fourth needle to draw in a single movement past both feed points a pair of stitches, one comprising, of the aforementioned yarns fed at the first feed point, only the second yarn, and the other comprising only said third yarn.

2,627,737

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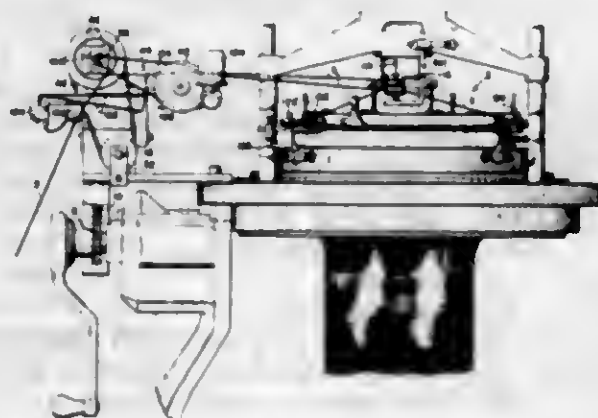
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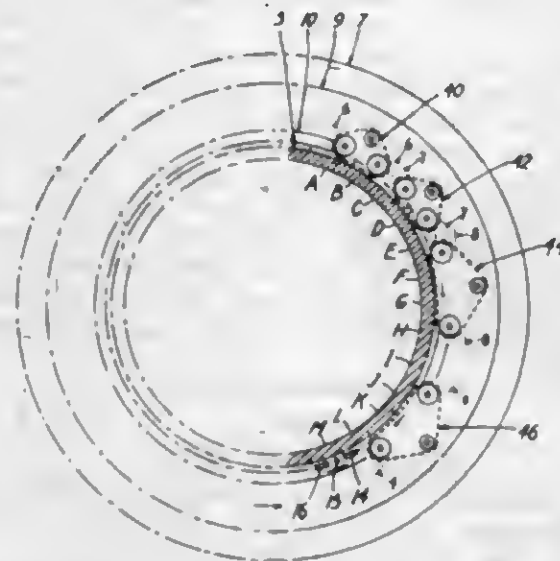


1. In combination with knitting mechanism having a plurality of feed points, a feeding head of capstan type for receiving a plurality of elastic strands, said strands being wound about said head, and means for guiding said strands to the respective feed points, said means comprising an array of freely rotatable pulleys about which said strands pass and so arranged that each strand passes about the same number of pulleys between the feeding head and its corresponding feed point.

2,627,739

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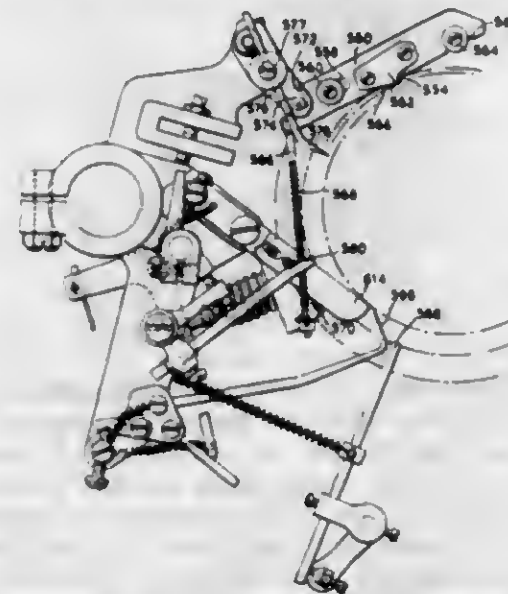
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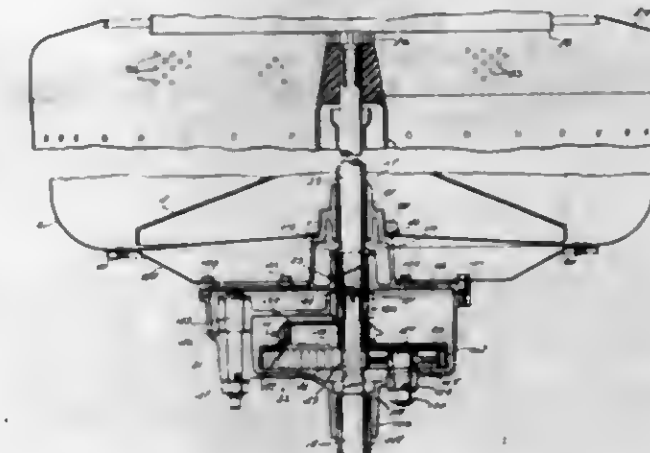
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3 Claims. (Cl. 68-23)

1. Driving mechanism adapted for a combined washing and extracting machine having a cabinet having a clothes container journaled therein for rotation about a vertical axis and having an oscillating dasher therein, comprising a housing secured to and depending from said clothes container, a rotating drive shaft extending upwardly through the bottom of said housing and having a pinion thereon, a motor, means driven by said motor for driving said shaft, an oscillating drive shaft aligned with said first drive shaft and having said dasher supported thereon, bearing means between the adjacent ends of said shafts supporting one shaft on the other, a sleeve encircling said rotating drive shaft and secured to said housing, mechanical means for rotating said sleeve from said shaft to rotate said housing and

said clothes container for extraction, brake means for holding said sleeve and housing from rotation, and means reacting against said housing when held from rotation to oscillatably drive said oscillating shaft and dasher for washing, comprising a pinion on said oscillating shaft extending downwardly within said housing and encircling said rotating drive shaft and disposed above said pinion on said rotating drive shaft, a casing rotatably journaled on said rotating

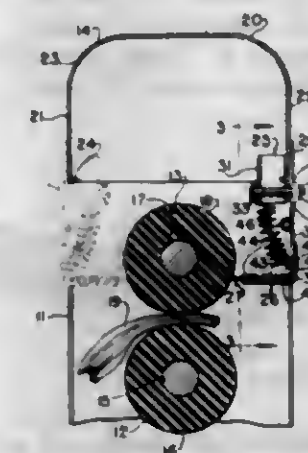


drive shaft between said pinions, planetary gearing for rotatably driving said casing comprising an internal gear on said casing, a planetary gear journaled within said housing and meshing with said internal gear, and driven by said pinion on said rotating drive shaft, and oscillating drive mechanism connected between said casing and said pinion on said oscillating drive shaft for oscillatably driving said pinion and the dasher thereon, upon the holding of said housing from rotation.

2,627,742

WRINGER ATTACHMENT

Benjamin F. Kalina, Bowman, N. Dak.
Application February 7, 1950, Serial No. 142,896
2 Claims. (Cl. 68-270)



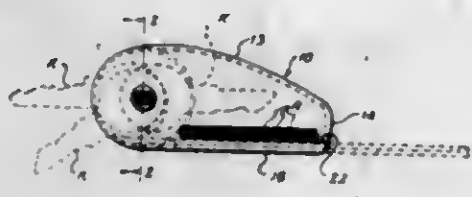
1. In combination, a wringer comprising a pair of vertically superposed cooperating rollers, a cover above and coextensive with the upper one of the rollers, said cover having a vertical sidewall having a lower edge located at one side of the rollers, a vertical plate engaging a side of the cover sidewall and depending below the said lower edge of the sidewall in laterally spaced relation to the said one side of the upper roller, means securing said plate to the cover side wall, a second vertical plate having an upper end horizontally hinged to a lower part of said first named plate, an erect L-shaped bracket having two legs disposed at right angles to each other, one of said legs overlying a portion of and secured to said second vertical plate, said one leg normally occupying a vertical position with the other of said

legs reaching laterally inwardly toward the said one side of said upper roller, a horizontal resilient blade mounted on and projecting beyond the laterally inward end of said other leg and engaging the said one side of said upper roller, and a contractile spring secured to and stretched between said L-shaped bracket and a portion of said securing means and yieldably urging said blade into engagement with said upper roller.

2,627,743

KEY CASE

Carl A. Ribbing, Denver, Colo.

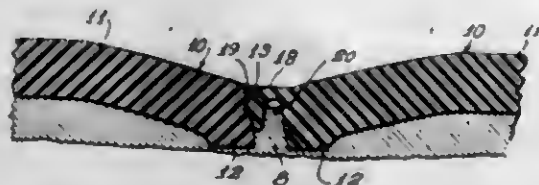
Application March 22, 1948, Serial No. 16,309
9 Claims. (Cl. 70-456)

4. A key case comprising a casing having side walls, an end wall and a partial top wall said casing being open at its opposite end and having an open bottom, removable key-supporting means disposed adjacent the open end of the casing and supported by the opposed side walls thereof, a plurality of socket members for receiving the handle portions of a plurality of keys mounted upon the key-supporting means and each providing a socket for an individual key, said socket members also providing movable closure means for the open end of the casing, and separate closure means cooperating with said socket members for closing the bottom opening in the casing.

2,627,744

INTERLOCKING PLASTIC TILE

Joseph J. Lopina, Chicago, Ill.

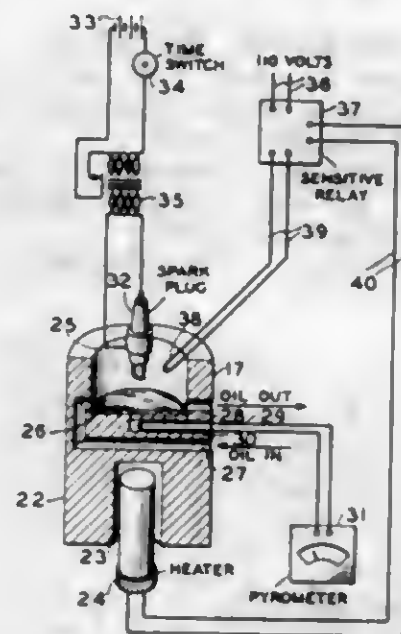
Application March 1, 1950, Serial No. 146,991
1 Claim. (Cl. 72-25)

For use in a tile wall made of a plurality of juxtaposed four sided polygonal tiles, a tile having a main substantially flat synthetic plastic body with a peripheral flanged edge defining the four sides of the tile, said edge on each of two sides having an outer flexible sealing junction lip extending rearwardly in the direction of the thickness of the tile and defining a concealed rearwardly opening hollow space between it and the body of the tile and being flexible into said space in the forming of a joint with an adjoining tile, the edge on each of the remaining two sides being outwardly shouldered for engagement with the lip of an adjoining tile, said shoulder comprising a plurality of steps extending outwardly and rearwardly and each lip having steps complementary to the first named steps and for engagement with steps of an adjacent tile.

2,627,745

FLASH POINT APPARATUS

Robert Matteson, Kensington Park, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

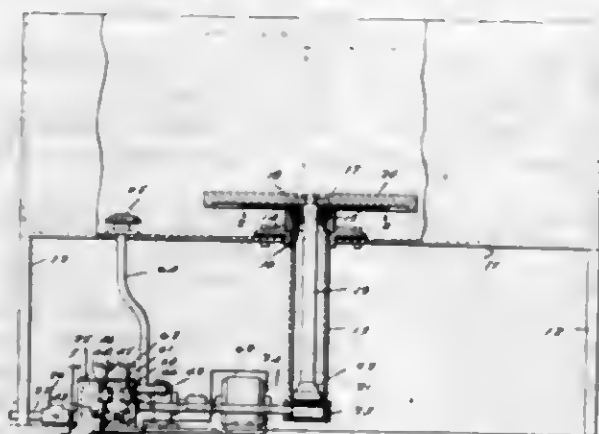
Application June 16, 1950, Serial No. 163,447
4 Claims. (Cl. 73-36)

1. In a test cup for the determination of the flash point of a volatile liquid by periodic exposure of a heated film of said liquid to an ignition source, means comprising a heat-conductive body, a substantially flat-bottomed chamber in said body, a heater for said body, a confined liquid inlet passage for said chamber traversing said body between said heater and the bottom of said chamber for heating liquid uniformly prior to its exposure in said chamber, and an outlet for said chamber spaced above the bottom thereof to limit the depth of liquid therein to a thin film of uniform composition and temperature.

2,627,746

RADIATOR TESTING TANK, INCLUDING HYDRAULIC LIFT SYSTEM

Harry B. Fechter, Minneapolis, Minn.

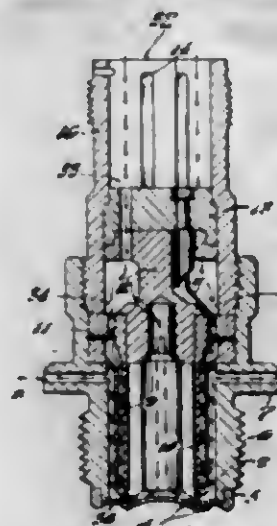
Application March 19, 1948, Serial No. 15,812
1 Claim. (Cl. 73-51)

In a radiator testing apparatus, a tank for the reception of water, a vertically disposed cylinder having one end closed and having the other end projecting through the bottom of said tank, a closure having one face arranged in closing relation with respect to the open end of said cylinder, there being a conical bore in said one face of said closure, a turn-table supported on the other face of said closure, a piston rod disposed within said cylinder and having one end extending through said closure and fixedly secured to said turn-table, a piston supported on the other end of said piston rod and mounted for sliding movement toward and away from said closure, inlet means extending through the closed end of said cylinder for introducing fluid under pressure against one face of said piston for urging the latter toward said closure, the other face of said piston being provided with a conical flange receivable within said conical bore, and there being at least one passage-way extending through said closure having one end in communication with the interior of said cylinder and having the other end in communication with said tank for introducing said fluid against said one face of said piston when said conical flange is received within said conical bore, a pump having an inlet and an outlet, a motor for said pump, a conduit connecting said inlet with the interior of the tank, conduit means connecting said pump outlet with the inlet means for said cylinder, a valve in said last named means, and means for opening said valve and for simultaneously starting said pump motor, whereby to raise the turntable.

through said closure and fixedly secured to said turn-table, a piston supported on the other end of said piston rod and mounted for sliding movement toward and away from said closure, inlet means extending through the closed end of said cylinder for introducing fluid under pressure against one face of said piston for urging the latter toward said closure, the other face of said piston being provided with a conical flange receivable within said conical bore, and there being at least one passage-way extending through said closure having one end in communication with the interior of said cylinder and having the other end in communication with said tank for introducing said fluid against said one face of said piston when said conical flange is received within said conical bore, a pump having an inlet and an outlet, a motor for said pump, a conduit connecting said inlet with the interior of the tank, conduit means connecting said pump outlet with the inlet means for said cylinder, a valve in said last named means, and means for opening said valve and for simultaneously starting said pump motor, whereby to raise the turntable.



2,627,749

DIAPHRAGM TYPE PRESSURE INDICATOR
Yao T. Li, Allston, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New YorkApplication October 8, 1949, Serial No. 120,316
4 Claims. (Cl. 73-398)

1. In a pressure indicator, a thin flexible diaphragm having a dished central portion and a dished annular portion connected by a circular ridge, a support for the diaphragm at the periphery thereof, a tube having its end seated in said ridge, and a pressure-responsive member actuated by the tube.

2,627,750

DIFFERENTIAL PRESSURE INDICATING DEVICE

Robert M. Titus, Enterprise, Oreg., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

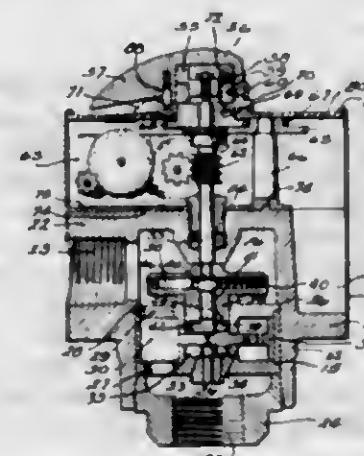
Application January 24, 1947, Serial No. 724,013
5 Claims. (Cl. 73-407)

1. A differential pressure responsive device comprising a pair of opposed collapsible bellows each capable of nesting when collapsed, means for mounting said bellows in axial alignment with their adjacent ends in fixed sealed relation to each other and having a permanently unobstructed opening therein to provide between said bellows an enclosed space in free communication with the interior of said bellows for all positions of said bellows, means for applying different pressures to the outer surfaces of said bellows, means for indicating the difference between said pressures, a rigid member housed within said bellows and said enclosed space, said rigid member extending between and being

2,627,747

METER WITH INTERCHANGEABLE DIAL AND REGISTER

Jacob C. Miller, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 27, 1947, Serial No. 724,620
15 Claims. (Cl. 73-257)

1. In a meter, the combination with a hollow base unit and a meter shell, the base unit being provided with shell positioning flanges and containing a motor, a reduction gear set, and a meter shaft extending upwardly from the base unit, of locating pegs projecting upwardly from the base unit at spaced points about said shaft, dial supporting means socketed to engage said pegs, and a dial mounted on said means and engaged by said shell whereby said dial is held in position on said base by said shell, said shell and base having securing screws.

2,627,748

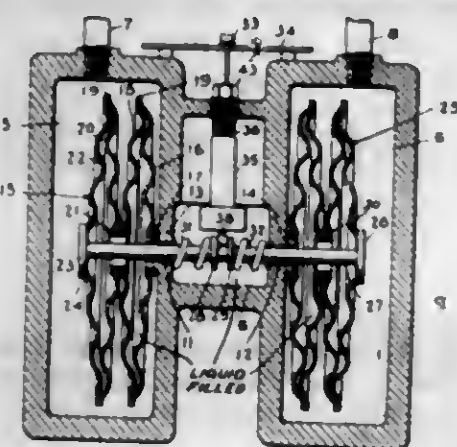
BATTERY LIQUID LEVEL INDICATOR

Gerald E. Maybach, Bowmansville, and Almond H. Snyder, Lancaster, N. Y., assignors to National Battery Company, St. Paul, Minn.

Application March 18, 1948, Serial No. 15,674
9 Claims. (Cl. 73-327)

2. In a wet battery cell, a liquid level indicator comprising an elongate transparent member mounted to extend into the interior of the cell with one end face of the device directed outwardly of the cell, the portion of said device disposed

connected to the outer faces of said bellows in the general plane of each outer face, whereby said rigid member is capable of movement as

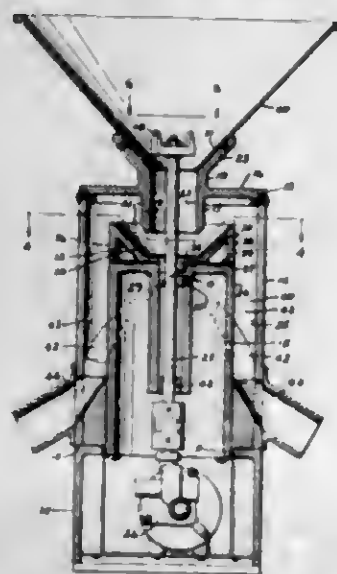


one bellows expands and the other contracts, and a body of incompressible liquid filling the otherwise unoccupied portions of said bellows and said enclosed space.

2,627,751

SEED SAMPLE DIVIDER

Louis A. Pazandak, Minneapolis, Minn.
Application July 27, 1950, Serial No. 176,126
8 Claims. (Cl. 73-424)



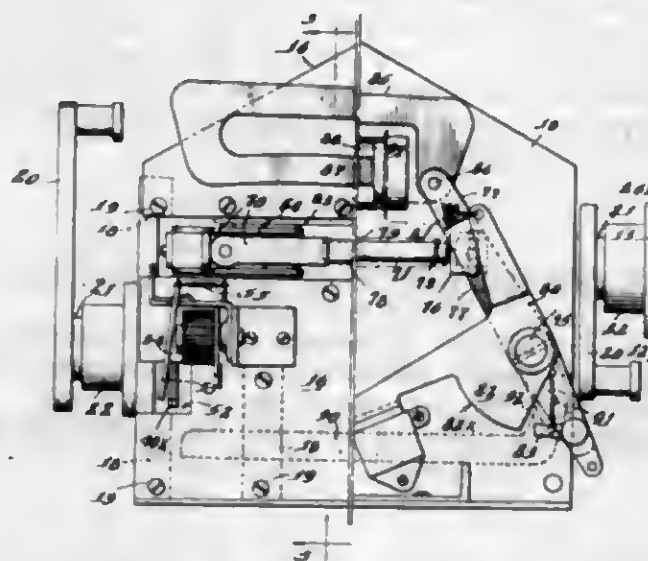
1. A seed sample divider comprising a cylindrical member, a hollow member in spaced, surrounding relation to said cylindrical member providing therewith a continuous space, upstanding partition walls in said continuous space defined at their upper ends by knife edges disposed at diametrically opposite sides of said cylindrical member dividing the continuous space into a pair of separate outlet passages for seed disposed below said knife edges, a hollow cylindrical member above and in spaced vertical alignment with and including an internal cylindrical bounding surface in concentric relation to said cylindrical member, a distributing and feed cup between said cylindrical and hollow cylindrical members in concentric relation to each including a central lower portion, a cone shape wall extending upwardly and outwardly from said central lower portion in spaced relation to and terminating in a horizontal plane above a lower portion of said hollow cylindrical member and an external cylindrical bounding surface above and substantially in the circumference of an external bounding surface of said cylindrical member disposed interiorly of said upstanding partition walls, there being a continuous passage for seed from an upper, outer annular marginal portion of said cone shape wall of said distributing and feed cup

to upper portions of said outlet passages, a hopper for delivery of seed to said distributing and feed cup by way of said hollow cylindrical member, a mixing and agitating element situated centrally in a lower portion of said hopper, and means for accomplishing rotation of said distributing and feed cup and said mixing and agitating element.

2,627,752

ACTUATING MECHANISM ESPECIALLY FOR HAND LEVERS

Frank G. Nicolaus, Chicago, Ill., assignor to Raymond T. Moloney
Application June 27, 1947, Serial No. 757,369
14 Claims. (Cl. 74-17.5)

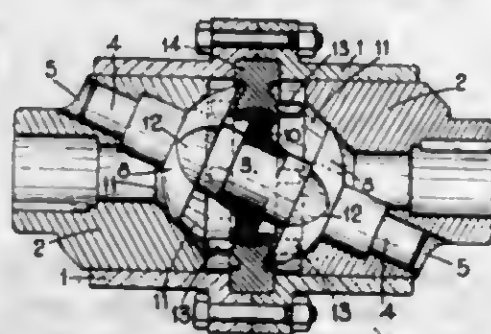


1. Hand-lever actuating mechanism including a buffer-lockout lever floating on a shaft, a hand lever for turning said shaft, a buffer-drive lever fast on said shaft, operative interlock between said levers including a buffer transmitting effort between said levers at least in one direction of displacement thereof, a lockout dog normally operative to prevent operative motion of said floating lever so long as said dog is free to pivot in a certain direction, and control means for blocking pivoting of said dog in said direction by movement into the path of a part of said dog.

2,627,753

HERMETICALLY-SEALED SHAFT COUPLING

Robert Munro, Sunningdale, England
Application January 2, 1951, Serial No. 203,815
In Great Britain July 17, 1950
4 Claims. (Cl. 74-18.1)



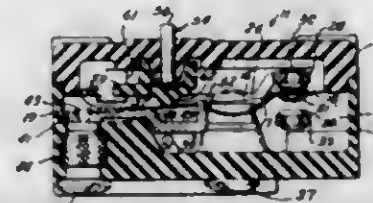
1. A hermetically sealed coupling including an outer casing, a cylindrical bore at each end of the casing, a flexible diaphragm supported by a fixed carrier secured within the casing and sealing one cylindrical bore from the other, a pair of co-axial shaft ends rotatably mounted respectively within the casing cylindrical bores, a wobble pin passing through the diaphragm, in-

clined to and crossing the axis of the shaft ends and having its ends housed respectively in recesses made in the shaft ends, said flexible diaphragm being secured in a hermetically sealed manner to the middle of the wobble pin, and a pin-and-recess connection between the wobble pin and the fixed carrier to restrain rotation of the wobble pin on its axis.

2,627,754

OVERCENTER SNAP DEVICE

Harper Millard, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 15, 1949, Serial No. 121,574
12 Claims. (Cl. 74-100)

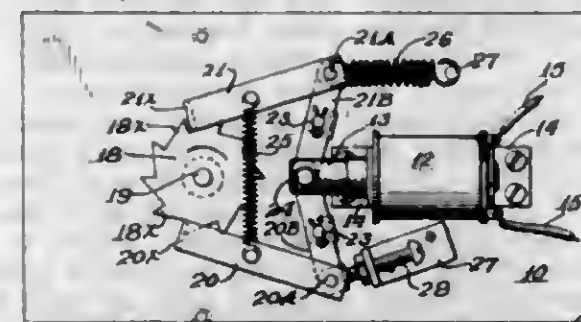


1. In a snap acting device, the combination of spaced tension members interconnected at one end to form an end free to move between opposed positions, a compression member disposed between said spaced members and interconnected at an end with said free end, means fixedly mounting the opposite end of each tension member in spaced relation to each other, means mounting the opposite end of the compression member to have the line of stress in said tension member movable past the mounted end of the compression member, bridging means interconnecting said spaced tension members intermediate the ends thereof, and an actuator engageable with said bridging means for moving the spaced members to move the tension stress line across the compression stress line to move said free end between said opposed positions with a snap action.

2,627,755

ELECTROMAGNETIC STEPPING MECHANISM

Donald E. Hooker, Skokie, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application October 24, 1951, Serial No. 252,858
2 Claims. (Cl. 74-129)



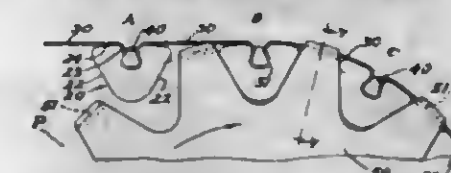
1. In a high-speed stepping mechanism, a toothed rotatable ratchet wheel, a pair of pawls each drivingly engaging the wheel teeth on opposite sides of the axis of the wheel, a spring attached to both pawls to yieldingly urge the same into said teeth, a solenoid mounted with its bore extending normally of said axis in alignment therewith, a solenoid plunger reciprocable in said bore in between said pawls, a pair of links each having one end pivotally connected to an end region of one of said pawls remote from said

wheel, said links each having their opposite and remaining end portions connected to a common pivot point on the outer end of said plunger, each said link having a fixed pivotal mounting at a point in between its connection to a pawl and to said common pivot, a second spring means having connection to the region of pivotal connection of a first one of said links with one of said pawls and urging the said link in a direction to withdraw the plunger from said bore to a normal position, and adjustable stop means positionable to be engaged by the region of pivotal connection of the second one of said links with the corresponding pawl to limit the withdrawal of said plunger to said normal position, reciprocation of the plunger by intermittent energization of the solenoid and action of said second spring means effecting reciprocatory motion of the pawls to step the wheel twice for each reciprocation of the plunger.

2,627,756

POWER TRANSMISSION CHAIN

Wilfrid H. Bendall, New York, N. Y.
Application July 24, 1947, Serial No. 763,323
20 Claims. (Cl. 74-229)

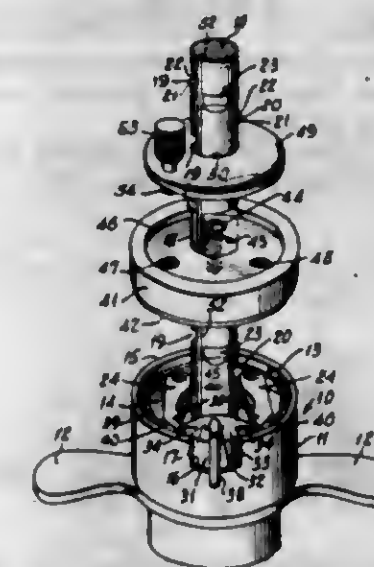


1. Power transmission apparatus comprising a drive wheel with opposed conical engagement faces and a chain comprising transverse sprocket engaging members having conical end engagement faces for wedged frictional engagement with said drive wheel, said sprocket engaging members being in wedged attachment to flexible sheet link members with side edges in supporting contact with said engagement faces.

2,627,757

STOP MECHANISM FOR STEP-BY-STEP PLUNGERS

Harold S. Austin, Dallas, Tex.
Application May 10, 1949, Serial No. 92,484
10 Claims. (Cl. 74-565)



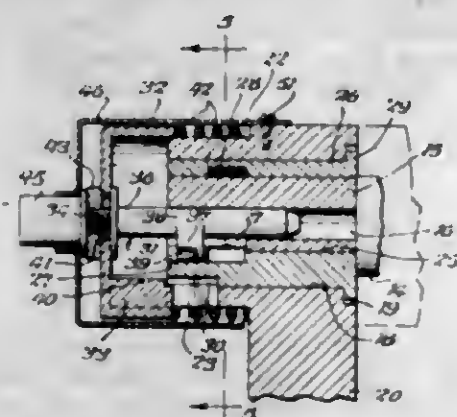
1. Stop mechanism for step-by-step plungers comprising, in combination, means for guiding along a longitudinal path a reciprocable plunger shaft means having two series of spaced abutment means arranged longitudinally thereof, a pair of opposed pivoted levers located on opposite sides of the path, each lever having an

abutment-engaging portion located alongside of the path for successive engagement of the abutment means of one of the two of said series thereof, resilient biasing means biasing said levers toward each other, said levers having opposed cam followers, movable cam means for alternate engagement of said followers with back and forth cam means motions selectively and alternately to move said levers away from said path and to permit them to move theretoward to provide alternate engaging and releasing action of said abutment-engaging portions relative to their respective series of spaced abutment means, and manual operating means to move said cam means back and forth.

2,627,758

CLUTCH MECHANISM

George F. Wales, Kenmore, N. Y.

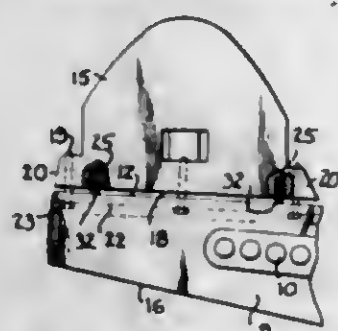
Application February 26, 1947, Serial No. 730,903
25 Claims. (Cl. 74-570)

1. Means for transmitting energy in a radial direction from a rotating shaft comprising a first eccentric carried by said shaft, a second eccentric journaled on said first eccentric, a member journaled on said second eccentric and key means for causing said second eccentric to be selectively keyed to said first eccentric or said member whereby its eccentricity complements or supplements the eccentricity of said first eccentric in the desired direction for transmitting energy from the rotating shaft.

2,627,759

BALL ROLLER COUNTERWEIGHT

John L. Fincher, Lufkin, Tex., assignor to Lufkin Foundry and Machine Company, Lufkin, Tex., a corporation of Texas

Application August 25, 1950, Serial No. 181,507
3 Claims. (Cl. 74-591)

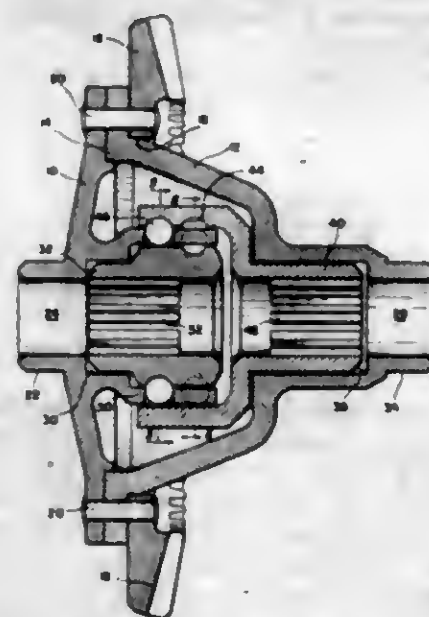
1. An adjustable counterbalance crank arm for well pumping units including a tapered wedge arm, a counterweight to fit on the edge thereof, an edge groove in said arm, anchor bolts in said weight to position said weight on said arm, heads thereon fitted to slide in said groove, a recess in the weight face adjacent said arm, a cage slidable in said recess, a ball roller

disposed in said cage, a thrust spring in said recess, a stem to limit the extension of said spring against said ball roller, said spring being adjusted so that the thrust against said ball tends to separate said arm and weight faces so that said ball roller facilitates movement of said weight.

2,627,760

POWER DIVIDING DIFFERENTIAL

Harry M. Patch, Seattle, Wash.

Application January 10, 1949, Serial No. 70,019
8 Claims. (Cl. 74-650)

1. In a power dividing differential of the type having positioned therein an inner cam member, an outer cam member, and a cage, all disposed to rotate about the same axis of rotation, said outer cam member being positioned outside of said inner cam member and said cage being positioned between said cam members, the improvement, comprising: said outer cam member having a plurality of inside cam surfaces and said inner cam member having a plurality of outside cam surfaces positioned facing the cam surfaces of said outer cam member, said cage having a plurality of openings therein and there being a plurality of revoluble wedging members positioned in said openings; each revoluble wedging member having a bearing portion of greater circumference and a bearing portion of smaller circumference; said inside cam surfaces having a bearing path formed to only contact each revoluble wedging member at said bearing portion of greater circumference, and said outside cam surfaces having a bearing path formed to only contact each revoluble wedging member at said bearing portion of smaller circumference; and the relative lengths of said paths and said circumferences being substantially of such proportions that the ratio of lengths of said bearing portion of greater circumference to said bearing path of said inside cam surfaces is equal to the ratio of lengths of said bearing portion of smaller circumference to said bearing path of said outside cam surfaces.

2,627,761

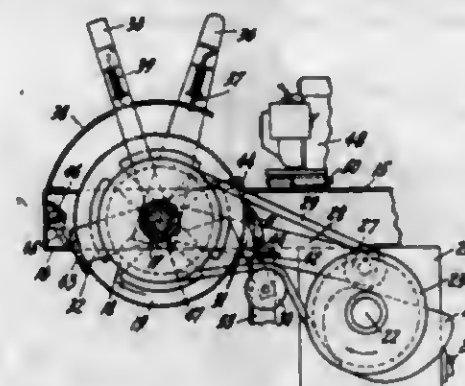
UNLOADING MECHANISM FOR VEHICLE BOXES

Gerald J. Recker, near Hopkinton, Iowa, assignor to Florian B. Recker, Hopkinton, Iowa

Application July 22, 1947, Serial No. 762,701
5 Claims. (Cl. 74-664)

1. Operating means comprising a framework, a shaft extending transversely therethrough for mounting the framework on a vehicle, a gear

housing in the framework, gearing in the housing, a shaft extending outwardly from the housing, a cam on said shaft, a roller engaging the cam surface of the cam, a second shaft extending outwardly from the framework, a ratchet carried by the second shaft, a pawl carried by said framework and engaging said ratchet, an arm pivotally mounted on said second shaft and carrying said roller, a pawl carried by said arm and engaging said ratchet, said cam causing oscillation of said arm and the pawl carried by the



arm, said pawl causing rotation of said ratchet, belt pulleys carried by said shafts, in alignment, a belt connecting said pulleys, a cross-arm carried by said second shaft, a belt-tightener carried by said cross-arm, means carried by said cross-arm and holding said pawls out of engagement with the ratchet when the belt-tightener is operated to tighten the belt, and means serving to allow the pawls to engage the ratchet and rotate the same when the belt-tightener is not actuated into tightening position.

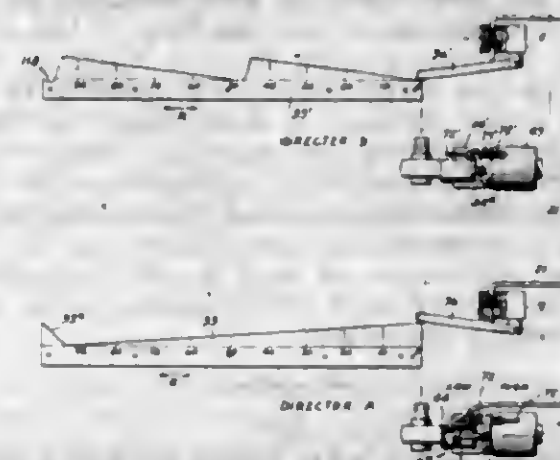
2,627,762

APPARATUS FOR SYNCHRONIZING THE SPEEDS OF POWER-DRIVEN MECHANISMS

Edward M. May, Detroit, Mich., assignor to Mecopilot Manufacturing Company, Detroit, Mich., a corporation of Michigan

Original application December 30, 1946, Serial No. 719,305. Divided and this application October 3, 1951, Serial No. 249,483

1 Claim. (Cl. 74-665)



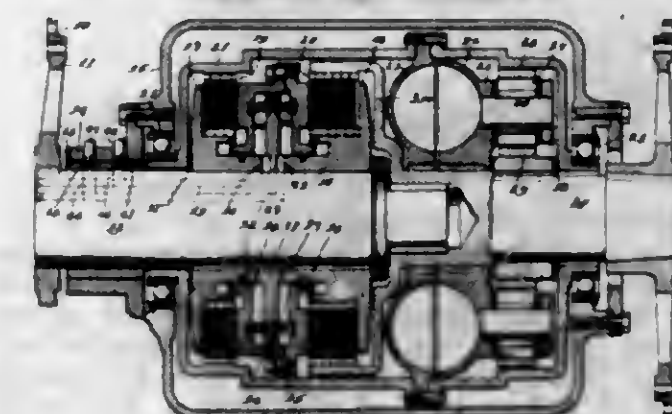
In automatic apparatus, the combination of two mechanisms each comprising a motor drive device having means for varying its speed; manual means for adjusting and setting the speed-varying means of the first mechanism to determine the speed of that mechanism; and automatic means for adjusting the speed-varying means of the second mechanism to determine the speed of the second mechanism in relation to the speed of the first mechanism, said automatic means comprising for each mechanism a hydraulic transmitter having a cylinder, a piston therein, and a rotary cam driven by the drive

device of the mechanism for actuating the transmitter piston and comprising further a hydraulic receiver cylinder, conduit means connecting both of the hydraulic transmitters to the inlet of the receiver cylinder and a piston in the receiver cylinder operatively connected to the speed-varying means of the second mechanism, the cam of the second mechanism having predominantly a falling slope while the cam slope of the first mechanism is predominantly rising to complement the slope of the other cam.

2,627,763

POWER TRANSMISSION

Lloyd J. Wolf, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin

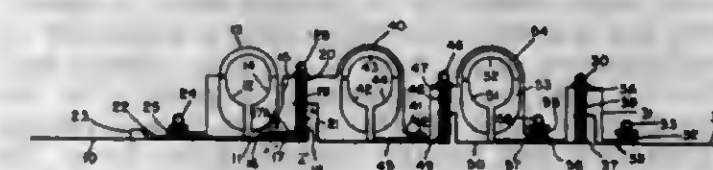
Application February 28, 1950, Serial No. 146,664
8 Claims. (Cl. 74-688)

1. A power transmission comprising aligned first and second shafts, an hydraulic coupling having an impeller and a runner, planetary gear means including a plurality of coaxing gear elements, one of the elements being connected to the impeller, another element being connected to the runner and another element being connected to the second shaft, first and second clutches selectively engageable to connect the first shaft to the impeller for hydraulic drive and the first shaft to the second shaft for direct drive, respectively, and hydraulically actuated piston means for determining the engagement of each clutch, the piston means being connected for simultaneous movement and each piston means being constantly subjected to a basic minimum pressure.

2,627,764

AUTOMATIC TRANSMISSION

Stanley Mayner, Cleveland Heights, Ohio, assignor of two-fifths to Thomas S. Mayner, Russell Township, Geauga County, Ohio

Application June 17, 1948, Serial No. 33,572
7 Claims. (Cl. 74-732)

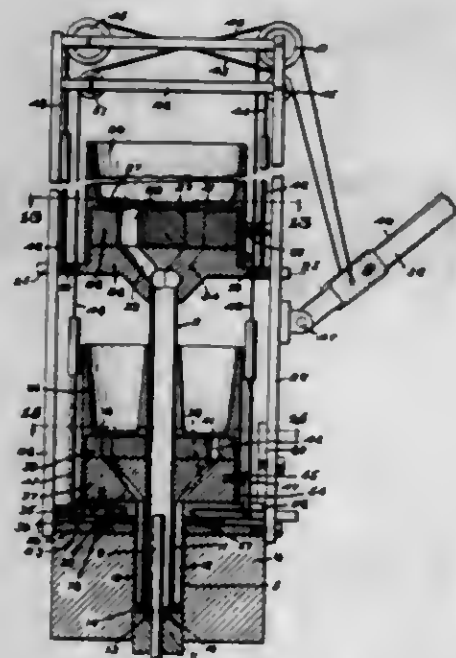
1. A power transmitting apparatus comprising, a fluid power transmitting device, said fluid power transmitting device having an impeller and a rotor adapted to be actuated by fluid energized by said impeller, a power input shaft to said device, a gear transmission connected to said device and adapted to be driven by the rotor, means for positively connecting the power input shaft with said gear transmission and the

fluid power transmitting device as a locked unit with said gear transmission, said power input shaft adapted to drive said gear transmission and the impeller and rotor of said device, a clutch being responsive to load on said apparatus adapted to connect said shaft to said gear transmission, means making said clutch inoperative preventing connection of the input shaft with said gearing, and means including said first mentioned means adapted to connect said input shaft with the transmission and with said device for connecting said power input shaft to the rotor of said device for driving said gear transmission.

2,627,765

APPARATUS FOR MAKING ROTORS FOR INDUCTION MOTORS

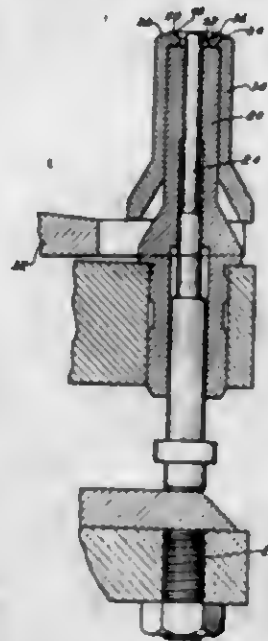
Ethan Charles Hopkins, Arlington, Mass.
Application January 12, 1951, Serial No. 205,625
6 Claims. (Cl. 78-0.5)



1. An apparatus for loading metal powder into the mold cavity of a mold preparatory to compressing the powder in said mold to form the rotor for an induction motor, said apparatus comprising a mold having a mold cavity, a delivery tube open at both ends extending axially into the mold cavity with its open lower end resting against the bottom of said cavity, a plurality of smaller delivery tubes also open at both ends and extending into said mold cavity and situated in a circle surrounding the axially located tube with the open lower ends thereof spaced from the bottom of the mold cavity, a measuring element above the axially located tube for measuring a predetermined quantity of iron powder and delivering it to said tube, a second measuring element for measuring a plurality of predetermined quantities of copper powder and delivering one such measured quantity to the upper end of each of the smaller tubes, means to withdraw the axially located tube from the mold cavity while the smaller tubes remain stationary, whereby the iron powder in said withdrawn tube is deposited in the mold cavity and encloses the smaller tubes, and means thereafter to withdraw from the mold cavity the smaller tubes whereby the copper powder therein is deposited therefrom through the lower open ends thereof into the spaces within the deposited iron powder which were previously occupied by said smaller tubes.

2,627,766 ANVIL AND STRIPPER FOR PUNCHING AND RIVETING MACHINES

Lee L. Marchant, Takoma Park, Md., assignor to Engineering & Research Corporation, Riverdale, Md., a corporation of Maryland
Application July 25, 1947, Serial No. 763,478
1 Claim. (Cl. 78-53.5)



For use in a punching and riveting machine of the type wherein a work sheet is punched to provide an opening for receiving a rivet and is countersunk to provide a recess around said opening through cooperating members including an anvil, a punch and a stripper positioned on one side of the work sheet, and a die member and rivet driving member positioned on the other side of the work sheet; a tool comprising an anvil, a punch and a stripper wherein the anvil is elongated and generally cylindrical and is provided with an axial opening therethrough adapted to slidably receive the punch and has a substantially flat upper end surface, and the stripper is generally cylindrical and surrounds the anvil at and adjacent the upper part thereof and is movable axially with respect to the anvil and has an inturned annular flange at its upper end having a flat inner surface overlying and adapted to rest freely on the flat upper end surface of the anvil and has a central opening therein which is concentric with the punch-receiving opening in the anvil, the outer surface of said flange having a recess therein having an annular downwardly and inwardly inclined wall concentric with and surrounding said opening, said recess adapted to receive the countersunk recess formed in the work sheet supported on said flange to laterally support the wall of said countersunk recess during the riveting operation.

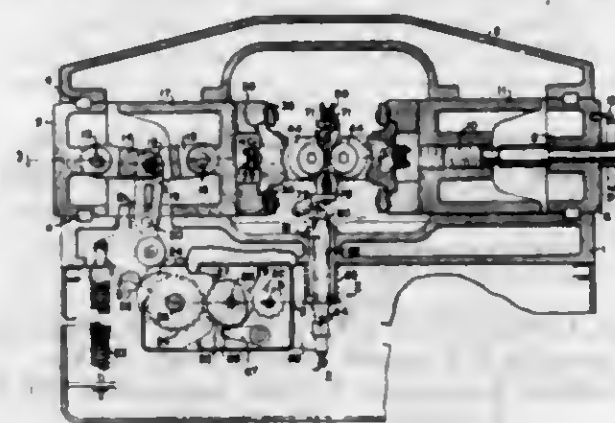
2,627,767 AUTOMATICALLY FED THREAD ROLLING MACHINE

James W. Batchelder, Ascutney, Vt., assignor, by mesne assignments, to The Economy Engineering Company, Willoughby, Ohio, a corporation of Ohio

Application April 9, 1949, Serial No. 86,417
5 Claims. (Cl. 80-6)

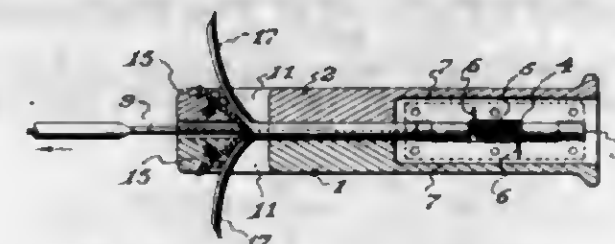
1. A thread rolling machine having a pair of slides mounted for relative reciprocating movement to and from each other; a die head carried on each of said slides; a spindle carried in each of said die heads, the axes of the spindles being disposed for movement in a common plane upon

relative movement of said slides; a threading die mounted on each spindle; driving means for rotating the spindles in the same direction; a work blank magazine disposed above the said dies and provided with an escapement mechanism for separating the lowermost work blank from the others; a transfer mechanism for removing the lowermost blank from the magazine and positioning it between the dies with its axis in said common plane, said transfer mechanism including a base below said dies, a pair of opposed fingers pivotally mounted on said base and extending upwardly beyond the said common plane and biased toward each other for grasping a work



blank at its ends, at least one of said fingers being disposed between the dies when the transfer has a blank positioned with its axis in said common plane, a work blank end gaging surface provided on said one finger for gaging the axial position of one end of a blank, and means to reciprocate said fingers between said magazine and dies; and slide actuating means for causing said relative reciprocating movement of said slides to effect gripping, penetration and release of a work blank between said dies, said slide actuating means being driven in timed relation with said transfer mechanism to effect gripping of a blank when said transfer mechanism positions the blank with its axis in said common plane.

2,627,768
WIRE STRIPPER
Robert F. Cook, Jr., Tulsa, Okla.
Application October 19, 1950, Serial No. 190,935
1 Claim. (Cl. 81-9.5)



A wire stripper comprising hingedly connected sections, said sections being hinged together along one side thereof, the inner faces of said sections being provided with longitudinally extending grooves, the groove of each section registering when the sections are hinged to closed registering position against each other, openings extending transversely through the hinged sections adjacent one end thereof and registering with each other when the sections are closed, downwardly and inwardly inclined converging blades within each of said openings, the adjacent cutting edges of the blades terminating in arcuate registering cutting recesses in alignment with the grooves and positioned whereby insulation will be stripped from a wire when the wire

is placed in the grooves and the stripper or wire moved longitudinally apart, spring means on the hinged side of the sections for normally urging the sections to open position and means for limiting the amount of opening of the sections in relation to each other.

2,627,769 SWAGING PLIERS FOR ELECTRICAL CONNECTIONS

Fred A. Anderson, Richmond Hill, N. Y., David G. Blattner, Mountain Lakes, N. J., and Victor F. Miller, Plandome, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1949, Serial No. 70,432
2 Claims. (Cl. 81-15)

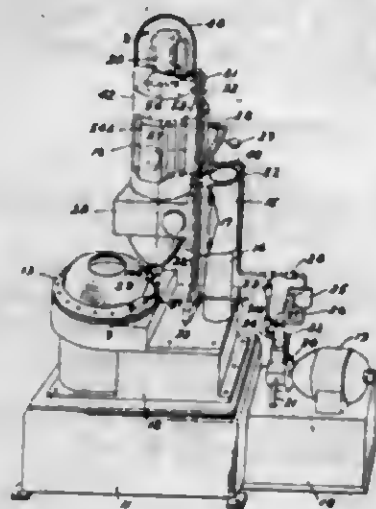


1. A tool for swaging a sleeve, comprising a lower jaw and an upper jaw operable for relative movement to open and closed positions, operating means for said jaws, a support on said lower jaw extending upwardly to said upper jaw and serving as a pivotal point of support for said upper jaw, a matrix in said lower jaw to accommodate a sleeve and comprising an open-ended slot, a punch on said upper jaw operable to enter said matrix to swage the sleeve incident to the closing of said jaws, said matrix and punch being forward of the pivotal point of support of said upper jaw, a spring latch secured on said upper jaw at a point rearwardly of the pivotal point of support for said upper jaw, said spring latch extending underneath said upper jaw and outwardly beyond said punch, a lip portion on the outer end of said latch and extending into an open end of said slot to normally prevent an unswaged sleeve from passing outwardly through the open end of said matrix, and an adjustable stop for said spring latch located on said lower jaw and at a point forwardly of the pivotal point of support of said upper jaw and rearwardly of said punch, said adjustable stop engaging said spring latch incident to the closing of said jaws and operating to allow penetration of said lip portion into the open end of said matrix only far enough to prevent an incompletely swaged sleeve from being withdrawn from the tool, but permitting its withdrawal when swaged to a predetermined amount.

2,627,770
POWER-OPERATED, PREDETERMINED-TORQUE CONTROL SOCKET WRENCH
Llewellyn A. Hautau, Detroit, and Charles F. Hautau, Huntington Woods, Mich.
Application September 8, 1951, Serial No. 245,726
22 Claims. (Cl. 81-52.4)

1. In a device of the character described in combination, a wrench socket, hydraulic variable speed power means for rotating said socket, a plurality of control means for varying the speed of said power means, including, a solenoid operated valve, limit switches for energizing and de-energizing said solenoid reciprocating elements for supporting said socket, and a feeler rod slidable in said reciprocating elements and said socket

and having an arm associated therewith for actuating one of said limit switches in the control



means for at least one of the speeds of said first named power means.

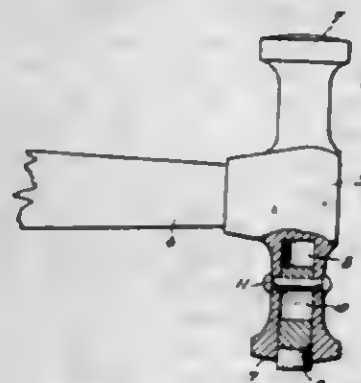
2,627,771

METAL WORKING HAMMER

Lawson H. Phillips and George C. Jones,
Jackson, Tenn.

Application January 7, 1949, Serial No. 69,736

1 Claim. (Cl. 81-15)



A metal working hammer comprising a hammer head having a bore extending inwardly from the striking face thereof said bore having a closed inner end, a weighted plunger of lesser length than the length of said bore mounted for free sliding movement within the bore, the outer end of said plunger being of a diameter substantially less than the diameter of the striking face of the hammer head and adapted to slide out beyond the striking face of the head, bending the metal against which the hammer is struck, subsequent to the contact of the head with the metal at a point directly opposite to the bore of the hammer head, and means to limit the outward sliding of said plunger.

2,627,772

APPARATUS FOR SCREWING PIPE COUPLINGS HAND-TIGHT ON PIPES

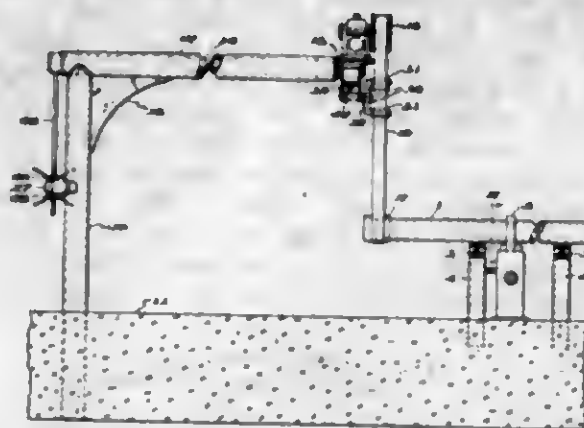
Joseph B. Wharton, Mars, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 31, 1950, Serial No. 182,541

6 Claims. (Cl. 81-57)

1. Apparatus for screwing threaded pipe couplings hand-tight upon the ends of pipe firmly supported in a horizontal position, comprising a pedestal having a vertical post and a horizontal arm at its top, a shaft rotatably mounted in and projecting beyond the outer end of said arm, a horizontally disposed frame rigidly attached to said shaft, a pulley for driving a suspended belt

and a motor for driving the pulley borne by said frame, a lever attached to said shaft, a vertical rod connected to the outer end of said lever,



and means borne by said pedestal post for adjusting said rod vertically to turn said shaft on its axis and thereby tilt said frame.

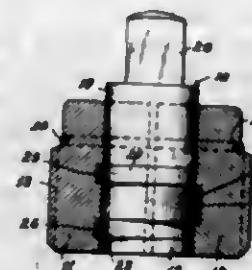
2,627,773

CAM OPERATED EXPANDING WRENCH

Vaughn J. Barnett, Charleston, W. Va.

Application November 7, 1949, Serial No. 125,971

3 Claims. (Cl. 81-72)



1. In an expanding wrench, a core having a plurality of contiguous, oppositely disposed eccentric cams thereon, a pair of cylinder segments surrounding said core and having arcuate eccentric grooves to receive said cams, a plurality of radially extending gripping ribs arranged longitudinally on the outer surface of said segments, and resilient means holding said segments in yielding engagement with said core.

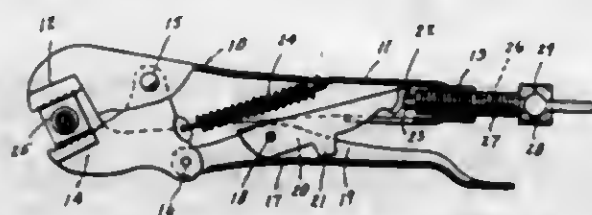
2,627,774

RELEASE ATTACHMENT FOR WRENCHES AND THE LIKE

Charles Edward Walter, Indianapolis, Ind.

Application April 21, 1951, Serial No. 222,215

1 Claim. (Cl. 81-84)



In a wrench including a handle member having a fixed jaw at one end, a movable jaw pivotally connected to said handle member, an operating handle pivotally connected with the rearward portion of said movable jaw, the opposite end of said first mentioned handle having an internally threaded sleeve portion, a stub lever pivotally connected at one end to said operating handle, the opposite end of said lever having a

head portion, the combination therewith of a release attachment comprising an externally threaded bolt received within said sleeve portion, said bolt having a longitudinal bore formed within its shank and a transversely disposed bore formed within its head, said bores communicating one with the other, a longitudinally reciprocable plunger disposed within said first mentioned bore, the forward end of said plunger extending beyond said bolt into abutting engagement with the head portion of said stub lever, and a rotary eccentric disposed within said second mentioned bore engageable by the opposite end of said plunger whereby the longitudinal position of said plunger may be varied by a change in the angular position of said eccentric, and means for varying the angular position of said eccentric.

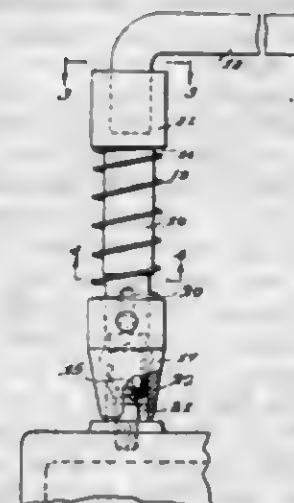
2,627,775

NUT-EJECTOR TYPE SOCKET WRENCH

Matthew Dan Heck, Amarillo, Tex., assignor of one-half to Violet L. Potter, Amarillo, Tex.

Application October 14, 1949, Serial No. 121,418

1 Claim. (Cl. 81-124.1)



A device of the character described comprising a handle having a recess in one end, an enlarged end for the handle opposite the recessed end and having a socket therein, a nut receiving member reciprocally mounted upon the recessed end of the handle, yieldable means for normally holding said nut receiving member outwardly of the end of the handle and means for limiting the reciprocal movement of said nut receiving member, said last-mentioned means comprising a longitudinal slot in the handle and a rivet diametrically mounted in said nut receiving member and extending through said slot.

2,627,776

KEY MECHANISM FOR ALTO AND BASS CLARINETS

Leon Leblanc, Paris, France

Application August 19, 1950, Serial No. 180,454

4 Claims. (Cl. 84-382)

1. Tone producing mechanism for alto and bass clarinets of the type having upper and lower body joints and a curved neck extending from said upper joint, said tone producing mechanism including means defining a twelfth hole in said upper joint adjacent the upper edge thereof, said upper joint having a B flat tone hole and another tone hole spaced below said twelfth hole, a pivotally mounted hinge rod, a lever arm extending transversely and longitudinally of said hinge rod beyond one extremity of said hinge rod, a twelfth hole closing pad on the end of said lever, an actuating lever on said hinge rod, a second pivotally mounted hinge rod, a second actuating lever on

said second hinge rod, a B flat tone hole closing pad, a lever interconnecting said last mentioned pad and said second hinge rod, means resiliently biasing said twelfth hole closing pad into hole closing position about the longitudinal axis of said hinge rod, means resiliently biasing said B flat tone hole closing pad into hole closing position, a manually operable key lever overlying said first and second actuating levers, means resiliently biasing said key lever against said actuating levers, a third pivotally mounted hinge rod, a lever operable upon closing said other tone hole



to pivot said third hinge rod about its longitudinal axis, resilient means normally biasing said third hinge rod in an oppositely pivoted direction, an interconnection between said first and third hinge rods preventing opening of said twelfth hole when said third hinge rod is in its normally resiliently pivoted position, and an interconnection between said second and third hinge rods preventing opening of said B flat tone hole when said third hinge rod is pivoted against its resilient biasing means by closing of said other tone hole.

2,627,777

PIANO KEYBOARD

John Robbins, Honaunau, Territory of Hawaii

Application November 3, 1949, Serial No. 125,273

3 Claims. (Cl. 84-423)



2. In a piano keyboard, the combination with a plurality of levers arranged in parallel relation with respect to each other, said levers having their front ends arranged in alignment with each other, of a body member attached to each of said levers, each of said body members comprising an elongated arm having its sides tapered, and a block arranged on the lower front end of said arm and abutting the front ends of said levers.

2,627,778

SCREW AND CAP

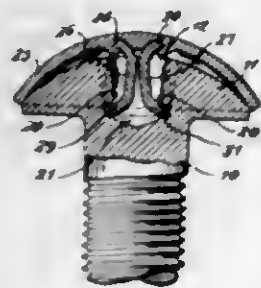
Frederick G. Hodell, Gates Mills, Ohio, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 14, 1949, Serial No. 99,075

2 Claims. (Cl. 85-55)

2. A screw comprising a head having an axial recess therein for the reception of a driver, said

recess having a generally square entrance with the sides thereof sloping inwardly axially of the screw and having the intermediate portions thereof projecting inwardly transversely of the axis of the screw, said intermediate portions

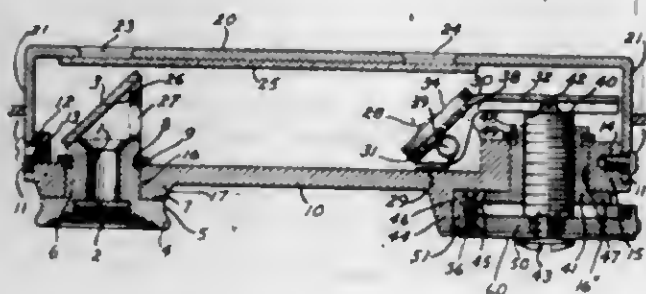


being undercut to form outwardly sloping abutments facing the inner end of said recess and adapted to be engaged by laterally projecting end portions of prongs on a cap for covering said head inserted into said recess.

2,627,779

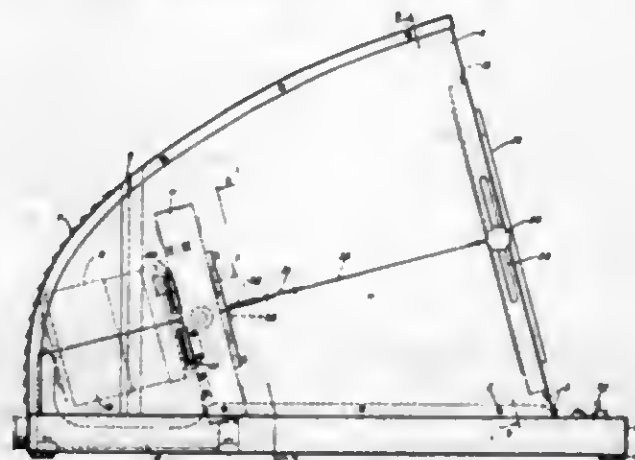
RANGE FINDER

Stanley S. Szelwach, Jackson Heights, N. Y., assignor to Q-O-S Corporation, New York, N. Y., a corporation of New York
Application April 21, 1949, Serial No. 88,777
3 Claims. (Cl. 88-2.4)



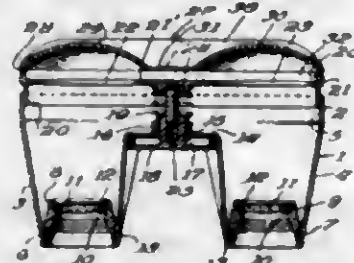
1. In a pocket range finder having an elongated casing provided with a pair of spaced light receiving apertures in one wall thereof and a mirror angularly disposed within said casing pivotally supported for turning adjustment to reflect light received through one of said apertures lengthwise of the casing interior and a third aperture in the wall of said casing opposite to said first mentioned wall and in alignment with said other aperture; a tubular eye-piece rotatably mounted in said third aperture, resilient means securing the eye-piece to the wall of said casing surrounding said third aperture with a frictional force normally preventing rotation until the friction is overcome by a greater force applied to the eye-piece externally of the casing, a half silvered plate fixedly secured to the inner end of said eyepiece at an angle to the axis thereof and extending across its bore between said aligned apertures and positioned to receive the light reflected by said mirror and to reflect it through said eye-piece in addition to permitting the direct passage of light from said other aperture through the bore of said eye-piece whereby said plate is rotatable with said eyepiece about an axis normal to the pivot axis of said mirror, and the half silvered plate, while the range finder is sighted on an object and adjusted for coincidence in a dimension by means of said mirror, may be adjusted to coincidence in a dimension normal to said first dimension by the rotation of said eyepiece.

2,627,780
OPTICAL PROJECTING COMPARATOR
John H. Waddell, North Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1950, Serial No. 167,387
8 Claims. (Cl. 88-24)



1. An optical comparator for comparing similar elemental areas of two photographic records comprising a screen, means for projecting an image of each of said records to said screen with the image of one record partially superimposed upon the image of the other of said records but vertically displaced with respect thereto a distance equal at least to the vertical dimension of the image of the area to be compared, a mask disposed at said screen having a pair of apertures therein, the combined vertical dimensions of both said apertures being equal at least to twice the height of the image of the area to be compared, and a second mask disposed in a horizontal plane between said screen and said image projecting means, said second mask having one end pivotally attached to said first mask midway of the apertures therein and its other end pivotally anchored at said image projecting means.

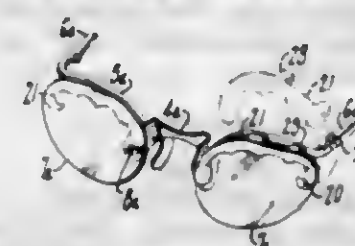
2,627,781
STEREOSCOPIC VIEWER
George Weiborn, Los Angeles, Calif.
Application June 9, 1951, Serial No. 230,824
3 Claims. (Cl. 88-29)



1. A viewer for stereoscopic transparencies comprising a hollow body component formed of opaque material; said body component including side walls defining a substantially rectangular open side, an end wall opposite said open side and a pair of substantially frusto-conical lens supporting elements projecting from said end wall in a direction from said open side, a pair of lenses mounted one in each of said lens holding elements at the distal end thereof, a transparency holding component including means forming a recess adapted to receive and position a transparency for viewing, a flange portion slidably engaging the side walls of said body component and a means for admitting light from a source located exteriorly of the viewer and diffusing admitted

light uniformly over the viewed areas of the transparency on the side thereof opposite said lenses; said light admitting and diffusing means comprising a translucent element fixed to the side of said transparency holding component at the side thereof remote from said lenses and spaced from said holding component to form a transparency receiving recess and having a pair of exteriorly convex portions disposed one each substantially concentrically with respect to the optical axes of said lenses; said convex portions being effective to collect exterior light from a wide angle and to concentrate the collected light on the areas of a transparency disposed in said recess and observable through said lenses, and means for adjusting said transparency holding component toward and away from said body component for focal adjustment; said adjusting means comprising a threaded stud carried by one of said components, a manually operable nut element threadedly engaging the threads on said stud carried by the other of said components, and a spring reacting between spaced parallel wall portions of said components and operative constantly to urge said components away from each other to the extent permitted by the engagement between said stud and said nut element.

2,627,782
DECORATIVE ATTACHMENT FOR SPECTACLES
Wallace E. May, Eureka, Calif.
Application July 5, 1949, Serial No. 103,057
2 Claims. (Cl. 88-41)

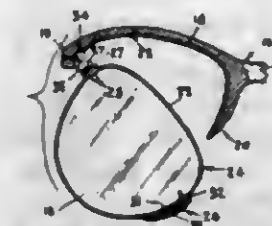


2. In combination with rimless spectacles having lenses, a wire mounting, temples attached pivotally to opposite ends of said wire mounting, and at least one lens securing screw for each lens, each lens and the wire mounting being apertured to receive the corresponding lens securing screw for securing said lens to the wire mounting; a pair of decorative bands, each said band adapted to normally overlie a front marginal portion of a lens, each said band being apertured at one end for pivotal attachment by one lens securing screw to the lens which said band is adapted to normally overlie, a hook-shaped member formed integral with each said band and remote from the pivotal attachment, to hook over the lens and the wire mounting to hold said band flatly pressed throughout its length against the lens which said band is adapted to overlie when the band occupies its normal overlying position with respect to the lens.

2,627,783
OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 21, 1947, Serial No. 787,309
6 Claims. (Cl. 88-41)

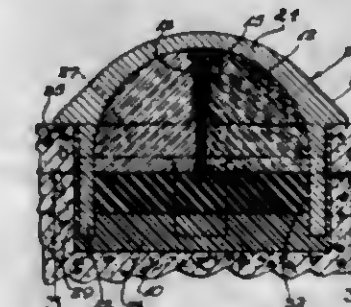
3. A lens supporting structure for the lenses of an ophthalmic mounting, said structure comprising a central bridge, a pair of outwardly extending arms on opposed sides thereof to follow the top edge of said lenses and terminating in

temple supporting end portions, said arms being longitudinally grooved on their underside from adjacent the bridge and each having an enlarged recess adjacent said supporting end and communicating with the grooved portion thereof, and a pair of relatively thin rims to encircle the peripheral edge of said lenses, said rims being divided on their temporal side and having outwardly disposed lug portions adjacent the opposed ends of said division, said lugs being disposed within said enlarged recess of the arms, and being perforated to permit connection means



to be extendable therethrough for maintaining said divided ends in joined relation, the top portion of said rims being held within the grooved portion of said outwardly extending arms by connection of the nasal side of the rims and connection of the upper of said lugs with the respective adjacent portions of the supporting structure, and said lower lug being freely separable from said upper lug by withdrawal of said connection means to permit the insertion and removal of a lens from a respective rim without disconnection of said rim from the supporting structure.

2,627,784
ROAD TRAFFIC SIGNAL
Sidney H. Pellar, Wheaton, Ill.
Application June 29, 1949, Serial No. 102,069
14 Claims. (Cl. 88-79)



1. In combination, a lens housing having means for anchoring it in pavement, and means for seating therein a plurality of wedge shaped lens elements, said seating means including a plurality of substantially vertical, divider walls, and lens elements each having faces lying in generally vertical planes contiguous to said walls and a curved top surface, said elements having light deflecting deformations on said first-mentioned faces.

2,627,785
BRACELET MIRROR
Bogumil W. Bartkowski, Buffalo, N. Y.
Application July 2, 1951, Serial No. 234,823
1 Claim. (Cl. 88-101)

In a bracelet mirror, a rectangular base, a pair of arcuate bands hingedly connected to opposite side edges of said base, there being a slot arranged in the free end of each of said bands, a flexible strap having one end arranged in engagement with one of said slots and adapted to engage the other of said slots, a cover having one end hingedly connected to said base and including a frame, a mirror mounted in said frame, a finger-engag-

ing lug projecting from said frame, locking means including an ear extending upwardly from said

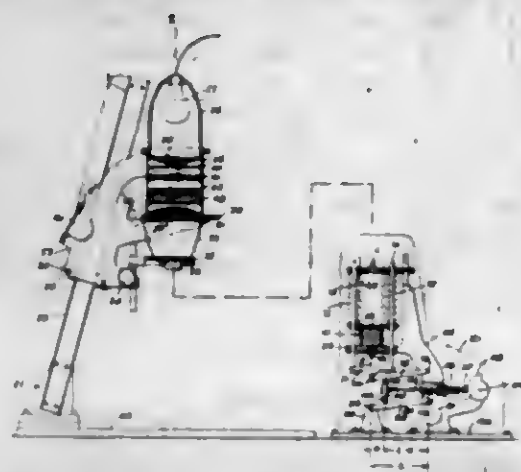


base for engagement with said frame, and stop lugs for limiting pivotal movement of said bands.

2,627,786

ADJUSTABLE LIQUID COLOR FILTER FOR PHOTOGRAPHIC ENLARGERS

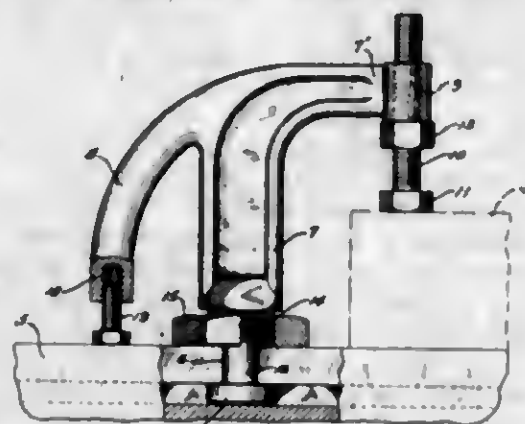
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application July 20, 1948, Serial No. 39,744
5 Claims. (Cl. 88-107)



1. A control device for a liquid filled multiple color filter for use in photographic enlargers, said filter comprising a plurality of cells, each adapted to contain a layer of variable thickness of a liquid of a different color, means supporting said cells vertically above each other, in the light beam of the enlarger, each cell having transparent top and bottom walls arranged in horizontal planes and vertically disposed side walls, said control device comprising a plurality of variable volume reservoirs, equal in number to the number of said cells, a conduit connecting each cell with a reservoir, each interconnected cell and reservoir having therein a colored liquid of a different color from each other interconnected cell and reservoir, each of said reservoirs comprising two parts displaceable relative to each other to force liquid from said reservoir to the cell to which it is connected by one of said conduits or to withdraw liquid from said cell to control the thickness of the layer of liquid in said cell, and two mechanisms controlling the position of said displaceable parts relative to each other, and operatively connected to them, the first mechanism comprising members operatively connected to each other for simultaneous operation and equal in number to the number of said cells and each, adapted to adjust the relative displacement of said two parts of its reservoir, said members having a phase shift relative to each other, the second mechanism comprising means operatively connected to said displaceable parts to vary the relative displacement thereof in the same direction for changing of displacements, as adjusted by the first mechanism, simultaneously whereby said second mechanism either increases or decreases the thicknesses of the layers of liquid in all cells simultaneously.

2,627,787 MACHINE-TOOL TABLE WORK CLAMP

Berthold R. Ziltner, Milwaukee, Wis.
Application March 14, 1951, Serial No. 215,550
3 Claims. (Cl. 90-59)

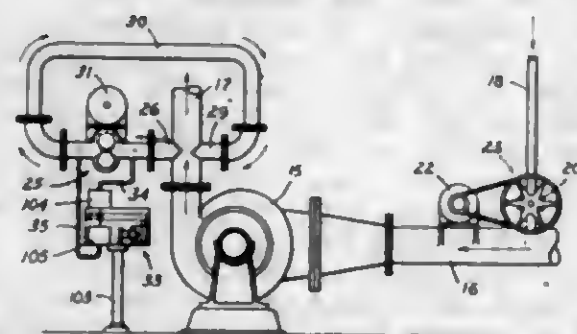


1. A machine tool table work clamp, comprising a central upright post having at its lower extremity an integral headed stem of circular form in cross section to slidably and rotatably engage the inverted T-slot in a machine table, the head of said stem being of circular contour at the lower end thereof, a nut adjustably mounted on said post spacedly above the head of said stem to engage the top surface of a machine table, an integral lateral extension at the upper end of said central post, a work clamping member adjustably depended from the outer end of said lateral extension, and a bracing arm integral with said post and extending outwardly and downwardly from the upper end of said post and directly engageable with the top surface of a machine table.

2,627,788

PAPER MACHINERY

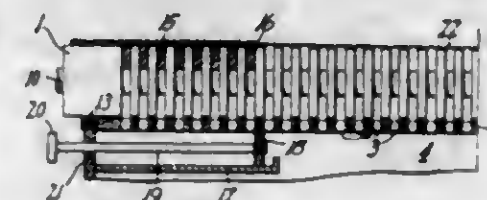
Stephen A. Staeger, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application February 12, 1948, Serial No. 7,762
20 Claims. (Cl. 92-44)



10. Apparatus for maintaining a predetermined consistency in a fluid, comprising a gear pump including a casing defining an inlet and an outlet, a pair of cooperating impeller gears in said casing, means for connecting said inlet to a supply of said fluid, means for connecting said outlet to said supply of fluid, each of the teeth of said gears being so proportioned as to have clearance between adjacent teeth on the other of said gears, means separate from said teeth providing a driving connection between said gears maintaining said teeth in angularly spaced relation to prevent pinching of suspended matter in said fluid, means including pressure connections with said inlet and said outlet for measuring the relative pressures in said fluid adjacent said inlet and adjacent said outlet, and means including a valve controlled by said measuring means for regulating the consistency of said fluid.

2,627,789
SUCTION BOX

John Campbell, Tonawanda, N. Y.
Application April 10, 1950, Serial No. 154,993
10 Claims. (Cl. 92-51)

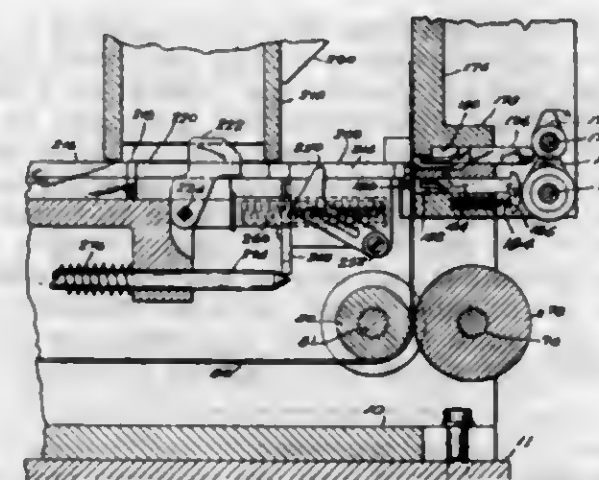


1. A suction box provided with a top for use with an endless wire or felt belt in the formation of fibrous webs, comprising in combination, a plurality of carrying rolls which serve to support said belt thereon, said rolls positioned transversely of the box and in spaced relation to each other, bearing members for rotatably supporting said carrying rolls supported on said box top, a plurality of straight grooves positioned adjacent to each of the respective ends of said carrying rolls, end sealing members extending the substantial width of said box positioned adjacent to each of the ends of said carrying rolls and overlying the endmost grooves, side sealing members extending the substantial length of said box located in overlying relation to a portion of each of the outermost positioned carrying rolls, said end and side sealing members provided with a plurality of flange elements positioned in co-operative relation with the straight grooves of said carrying rolls, which elements extend within and across said grooves of said carrying rolls.

2,627,790

BLADE PACKAGING MACHINE

Zemach Auerbach, New York, N. Y., assignor to The Gillette Company, a corporation of Delaware
Application August 26, 1948, Serial No. 46,352
18 Claims. (Cl. 93-1)

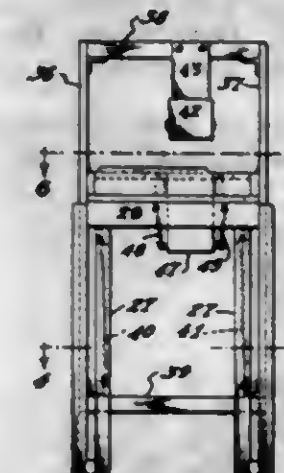


1. A blade packaging machine comprising a blade magazine, feed rolls arranged to feed a flexible unperforated strip along a path spaced from said magazine, means for operating said feed rolls through a series of short steps separated by pauses, a punch movable to cut a slot in the strip during the pause after each feed step, a carrier arranged to remove a blade from the magazine and insert it end foremost through a slot formed by said punch in a position beyond that in which the slot is formed by the punch, and a common power-operated mechanism for actuating both the punch and the carrier.

2,627,791

DEVICE FOR SETTING UP CARTONS

William A. Ringler, Wayne, Pa., assignor to The Gardner Board and Carton Co., a corporation of Ohio
Application October 24, 1947, Serial No. 781,921
9 Claims. (Cl. 93-51)

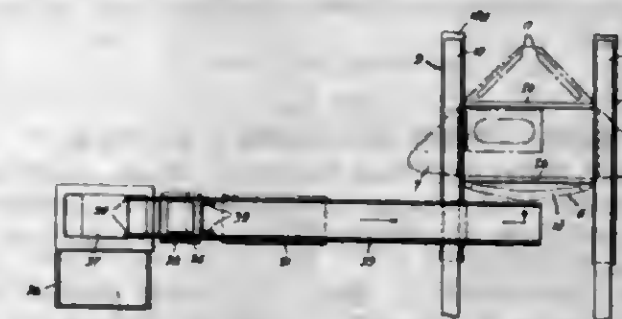


1. In a device for setting up cartons of a type having a main panel, side and end walls articulated to the edges of said main panel and locking flaps articulated to the ends of a pair of opposite ones of said last mentioned walls, a table to receive the carton blank, a lower platen having an upper surface responding to said main panel when the blank is on said table, an overhead plunger with a lower surface similarly responding to said main panel, resilient means permitting downward motion of said platen, means for moving said plunger downwardly, stationary folding elements for folding said side and end walls inwardly and upwardly during the motion of the blank as determined by the downward travel of said plunger and platen, stationary sweeps for folding said locking flaps over outside adjacent walls, and means effective subsequent to the folding of said several parts for thrusting ends of said locking flaps through openings in the walls against which said flaps are folded.

2,627,792

ENVELOPE PATCH APPLYING MECHANISM

Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application August 30, 1950, Serial No. 182,385
12 Claims. (Cl. 93-61)



1. Apparatus for applying patches to window openings of envelopes, comprising a feed mechanism for feeding a continuous strip of material along a path in one plane for severance, means operating in timed relation with said feeding mechanism for severing the strip into individual patches of a size to cover a window opening, and rotary patch applying mechanism for receiving and applying the individual patches to the envelopes over the window openings, said rotary mechanism disposed to turn about an axis paral-

lel to the direction of strip feeding and delivering the individual patches to the envelopes in a plane parallel to the plane of strip feeding and in a direction at right angles to the direction of strip feeding.

2,627,793

JOINT CONSTRUCTION FOR PAVING SLABS
William E. White, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application May 31, 1947, Serial No. 751,519
4 Claims. (Cl. 94-18)



1. In a joint construction for paving slabs an assembly comprising a composition joint filler, a longitudinal vertically sinuous bar adjacent to each side of said filler, a series of spaced dowels piercing the joint filler, substantially straight longitudinal bars adjacent to either end of said dowels, a second pair of straight bars at the bottom of the joint structure adapted to rest upon a sub-grade and parallel to but slightly further from the joint than the first mentioned straight bars, inclined supports at each dowel with securing means to straight bars at both levels, also means attaching the dowels to the sinuous and straight spacer bars on the same side of the joint, the unattached dowel end provided with a cap of sheet material or the like comprising a split tubular member in which the halves may be applied to the dowel in a pincerlike manner with the end as the fulcrum and the top half pushed longitudinally of the dowel to be engaged by a hooked portion on the upper end of said inclined support and the cap be thus held in position.

2,627,794

BODY TYPE ASSEMBLY DEVICE

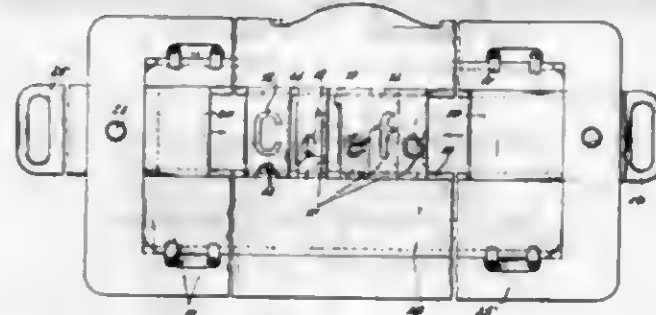
Joseph F. Murphy, West Roxbury, Mass., assignor, by direct and mesne assignments, to Lumitope Corporation, Roxbury, Mass., a corporation of Massachusetts

Original application April 14, 1948, Serial No. 21,072, now Patent No. 2,489,458, November 29, 1949. Divided and this application October 20, 1949, Serial No. 122,551

1 Claim. (Cl. 95-85)

A body type assembly device comprising a frame having a guideway shouldered to receive rectangular type blocks having transparent characters therein, oppositely disposed slides for clamping type blocks in said guideway and for transversely locating the type blocks in the frame, and a transparent slide wider than the guideway and movably mounted at a different level and

having a pattern of opaque dots thereon which may be registered with the transparent characters of the type blocks for giving a Ben Day effect to the proof.

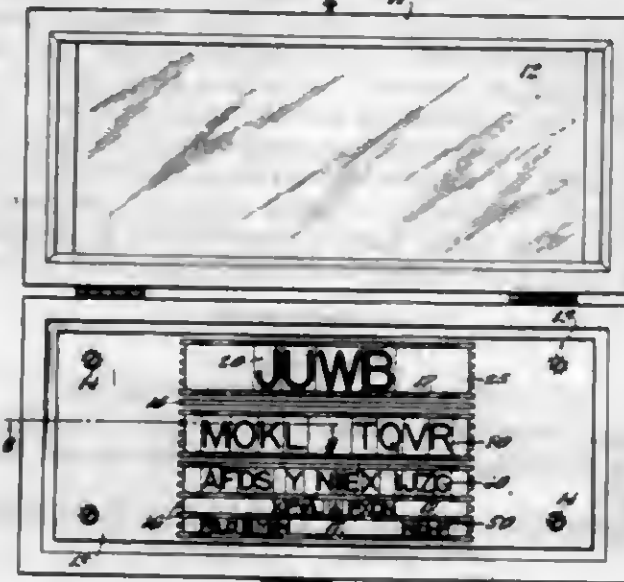


2,627,795

BODY TYPE ASSEMBLY OUTFIT

Joseph F. Murphy, West Roxbury, Mass., assignor to Lumitope Corporation, Roxbury, Mass., a corporation of Massachusetts

Application November 17, 1949, Serial No. 127,917
3 Claims. (Cl. 95-85)



1. A type assembling device comprising a rectangular base having a spring mounted holder movably mounted therein and presenting a series of longitudinal slots uniformly arranged in the body of the holder, in multiples of type point spacing, guide rails inserted in selected slots, resting upon the surface of the base and projecting above the surface of the holder, and a row of transparent type blocks having characters defined by opaque areas retained between the guide rails upon the holder and movable therewith while the guide rails remain at rest.

2,627,796

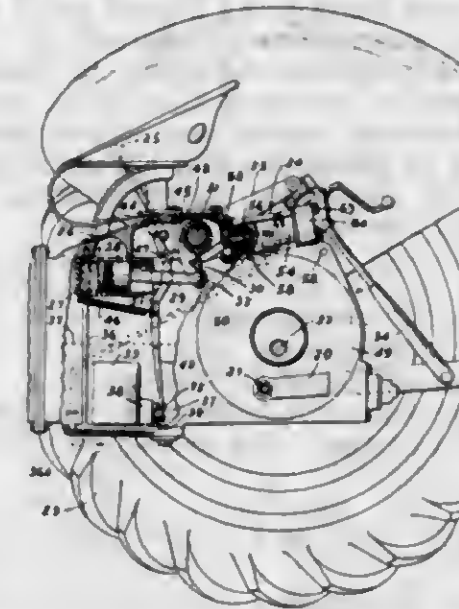
CONTROLLABLE LOAD TRANSFER HITCH FOR TRACTORS

Ernest V. Bunting, Dearborn, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware

Application January 2, 1948, Serial No. 225
10 Claims. (Cl. 97-50)

1. A controllable load transfer hitch for a tractor comprising, in combination, a hitch linkage trailing mounted on the rear end portion of the tractor for generally vertical swinging movement, a pump powered from the tractor engine and having an intake and a discharge, a drain connection leading from the pump discharge, a valve mechanism shiftable from a neu-

tral position in which both said pump intake and said drain connection are blocked into alternatively available exhaust and supply positions in which said drain connection and intake are respectively individually opened with the other remaining blocked, a pressure responsive unit, conduit means connecting said unit in open communication with the fluid pressure supplied to said actuator whereby said unit is subjected



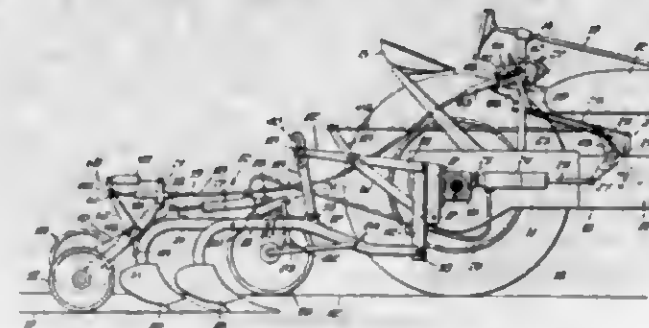
to the fluid pressure prevailing in said actuator, said unit including an element fixed with respect to the tractor and a shiftable element displaceable relative to said fixed element proportionately with changes in such pressure, a mechanical operating connection from said shiftable element to said valve mechanism, and a manual adjusting means for selectively varying the effective length of said operating connection.

2,627,797

GAUGE MEANS FOR IMPLEMENTS

Russel D. Acton, Chicago, Ill.

Application July 3, 1946, Serial No. 681,335
11 Claims. (Cl. 97-50)



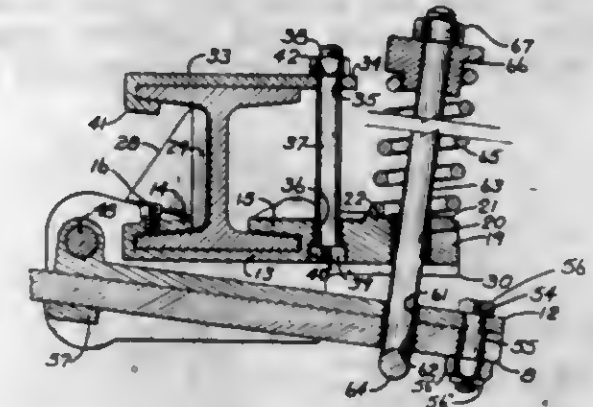
1. A depth control device for an implement having a ground-engaging part and movable gauge means carried by the implement for regulating the ground-engaging part; comprising two members pivoted to the implement, a ground-engaging wheel carried on one of said members and adapted to operate on a surface altered by said implement part, said other member having a wheel mounted thereon and positioned to engage an untreated portion of the ground, an element connected to one of said members, a second element connected to the other of said members, said elements being constructed and arranged to move relative to one another upon relative movement of the wheels and force-transmitting means connected between said elements and to the gauge means operative to control the gauge means by relative movement between the members.

2,627,798

CLAMP FOR VIBRATING SHANK FLOWS

William T. Graham, Amarillo, Tex.

Application August 27, 1951, Serial No. 243,893
2 Claims. (Cl. 97-184)



1. In a plow having a frame and a ground working tool provided with a shank adapted to rock relatively to the frame when the plow is in operation in a forward direction, a mounting for pivotally attaching and supporting the shank of the ground working tool to a transverse member of the frame, the mounting including a fixed member adapted to be fixed to the transverse member of the frame and having a longitudinally extending underface terminating forwardly of the transverse member to which said mounting is adapted to be fixed, the fixed member having ears extending rearwardly from said underface at the sides thereof, a shank attaching member having an elongated plate portion provided with an upper face corresponding with and normally in contact with said underface of the fixed member and provided with a longitudinally extending underface in engagement with a corresponding upper face of the shank whereby the plate portion of the shank attaching member is between the shank and the fixed member, means connecting the elongated plate portion with the shank for maintaining the upper face of the shank in constant continuous contact with the underface of said plate portion of the shank attaching member, a transverse pin pivotally connecting the shank attaching member to the fixed member at the rear ends of said normally contacting faces and whereon the shank attaching member pivots upon rocking movement of the shank, a coil spring having one end seated on the forward end of the fixed member, and means having connection with the forward end of the shank and with the other end of the coil spring whereby the spring yieldably maintains said normal contact of the upper face of the plate portion of the shank attaching member with the underface of the fixed member to maintain the normal plowing depth of the ground working tool.

2,627,799

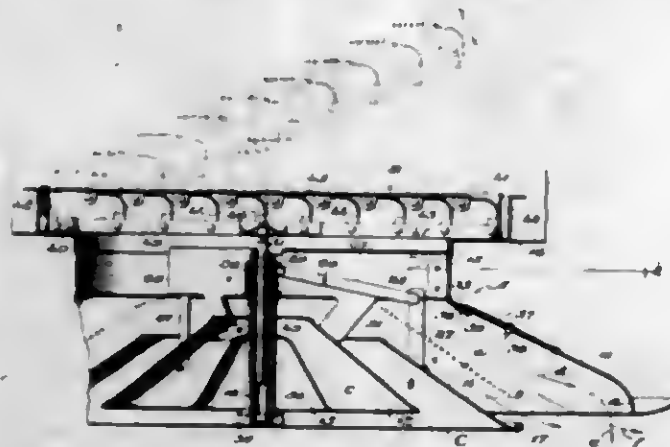
AIR OUTLET DEVICE FOR HEATING, COOLING, VENTILATING, OR OTHER PURPOSES

Franz J. Kurth, New York, N. Y., Leonard R. Phillips, Teaneck, N. J., and William J. Waelde, Hawthorne, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware

Application March 31, 1948, Serial No. 18,118
7 Claims. (Cl. 98-40)

1. A device for delivery of air into an enclosure, said device comprising a first member of hollow flaring form open at its ends for flow of air therethrough from its smaller end toward its larger end, a second member of flaring form

smaller than said first member and spaced inwardly from the latter to effect lateral deflection of air flowing through said first member, and means securing said second member to said first member for longitudinal adjustments relative to the latter to vary the direction of lateral deflection of air from the device, said securing means including a threaded shaft disposed coaxially with said members, means holding said shaft



against longitudinal movement, a nut threaded on said shaft, means holding said nut against rotation whereby it is movable along said shaft by rotation of the latter, and levers pivotally supported intermediate their ends by said first member and operatively connected at their ends to said nut and said second member, respectively, whereby longitudinal movements of the former effect longitudinal adjustments of the latter.

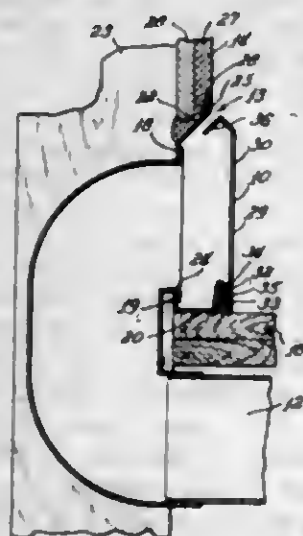
2,627,800

HEAT DISPERSING APPARATUS

Ernest E. Brandes, Madison, Wis.

Application October 25, 1949, Serial No. 123,485

4 Claims. (Cl. 98-40)



2. Heat dispersing apparatus suited to mounting along a wall base and adapted to use in a warm air heating system in which warm air from a heat source is distributed through warm air ducts and comprising, in combination, two formed sheet metal parts of corresponding lengths and hingedly connected together along a longitudinal axis to define a warm air conducting and dispersion conduit having an open slot extending longitudinally thereof between the parts and at a position spaced from the said axis of the hinge connection of the parts, one of said parts being generally L-shaped in section with connected back and base portions and having an upright flange along the base portion in spaced relationship to the back portion, and the other of said parts hav-

ing a substantially Z-shaped fold along the margin thereof, said fold having a portion straddling the flange on said one of the parts to provide the hinge connection between the parts, an opening in one of the parts for connection to a warm air duct, and a series of adjusting elements at spaced positions longitudinally of the parts and spaced from the axis of the hinge connection, said adjusting elements providing an adjustable connection between the parts for varying the width of the slot, said parts being biased apart at positions spaced longitudinally thereof by resilient elements which are spaced from the axis of the hinge connection between the parts, and said adjusting elements comprising screws extending through one of the parts and threaded into the other part in directions corresponding to the action lines of the resilient elements.

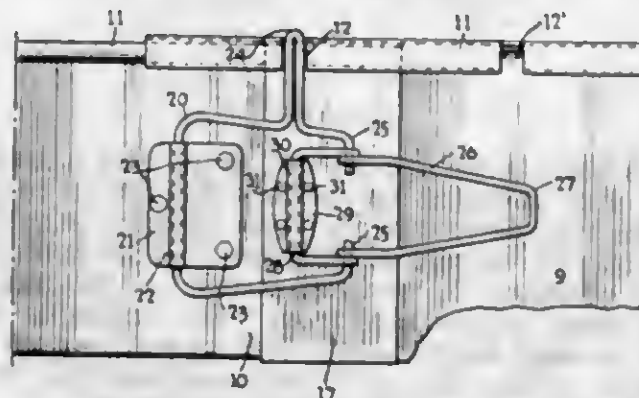
2,627,801

EXTENSIBLE CAKE PAN

Manfred Danziger, Newark, N. J.

Application August 3, 1949, Serial No. 108,286

2 Claims. (Cl. 99-435)



1. An annular extensible baking pan comprising an extensible split cylindrical wall and a bottom plate, said extensible wall being provided at its upper end with a telescoping rim and at its lower end with an inwardly extending flange, said upper rim having on one side of said split a plurality of spaced receiving members at spaced intervals, a lock member secured to said wall on the other side of said split, said lock member being engageable with said receiving members; said bottom plate being provided with a plurality of concentric annular ridges with an outer undercut groove, said flange of said wall being adapted to be seated in any of said undercut grooves, the pressure of the frictional contact of the telescoping rim maintaining said flange in one of said grooves.

2,627,802

BALE CASE MOUNTING LATCH MECHANISM

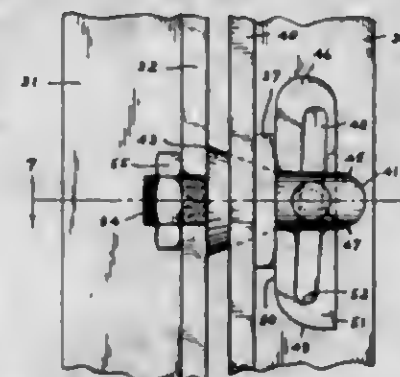
George H. Whiteside, Indianapolis, Ind.

Application October 20, 1950, Serial No. 191,275

1 Claim. (Cl. 100-192)

A latch mechanism comprising a head; a wedge bar having substantially parallel side edges and a slot extending longitudinally of and diagonally between said side edges; a pin extending through said slot and held by said head; and a keeper member having a hole therethrough, through which said head may extend in part to carry said bar on the side of the member opposite from the head entry side, sufficiently forward to permit said bar to rock on the said pin to drop in wedging action between the pin and said opposite side; said bar having the corner of one end rounded from one of said edges, from which rounded portion the end merges into an angular

corner with the opposite bar edge; an abutment on said head; and said bar having its slot terminating by an end adjacent said rounded corner end to provide a bar end portion thickness



between said bar end and said slot end whereby a horizontal position of the bar will be maintained by contact of the angular corner with said abutment.

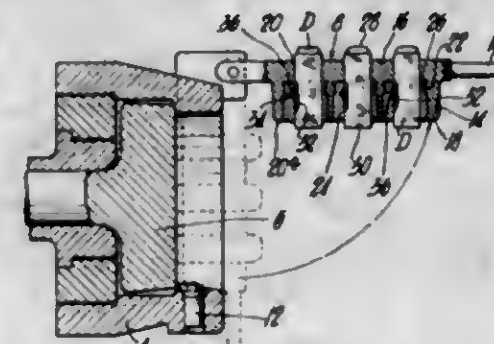
2,627,803

DIE HOLDER FOR PNEUMATIC MARKING HAMMERS AND THE LIKE

Ralph A. Pannier, Pittsburgh, Pa., assignor to Pannier Bros. Stamp Company, a corporation of Pennsylvania

Application March 2, 1948, Serial No. 12,598

6 Claims. (Cl. 101-4)



1. In combination with a marking hammer having an open-end head and a reciprocable marking die striking anvil disposed in said head to swing outwardly therefrom, a die holder movably mounted on said head, said die holder having a cover portion adapted to be disposed on the face of said head and a rearward portion adapted to be disposed in said annular head, said die holder having slots extending downwardly from the upper part thereof and die assemblies disposed in said slots, said slots being closed by said head when the rearward portion of said holder is disposed therein and opened for removal of said assemblies when said holder is pivoted outwardly from said head.

2,627,804

MACHINE FOR PRINTING TICKETS, TAGS, CARDS, AND THE LIKE

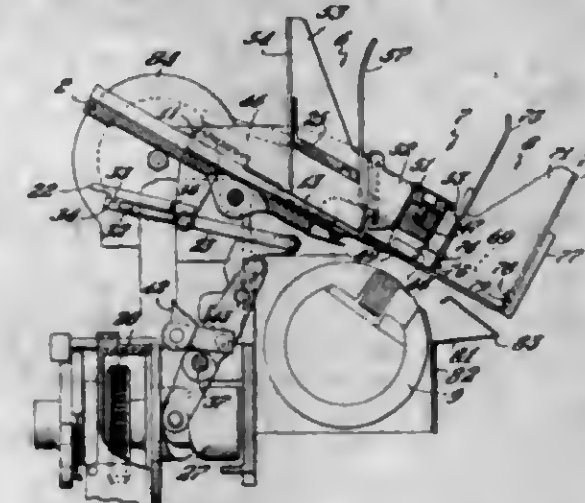
Arnold R. Bone, Needham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

Application September 30, 1948, Serial No. 52,086

8 Claims. (Cl. 101-69)

8. For stacking a series of cards the combination of feeding means for conveying the cards consecutively along a predetermined path, a bottomless receiver above said path, a lifting member relatively movable through said path and to a limit position into the lower end of the receiver for urging each card successively into the receiver, and upper and lower supporting fingers extending into the receiver at different levels to allow yielding passage of cards thereby, the lower

set of fingers being disposed below the limit position of the lifting member to support each card as it enters the receiver, and the upper fingers being disposed above the limit position of the



lifting member, whereby when the first card is urged into the receiver it is prevented by the upper set of fingers from snapping out of position on said lower set of fingers, the upper fingers being urged to retracted position as the stack of cards rises thereby.

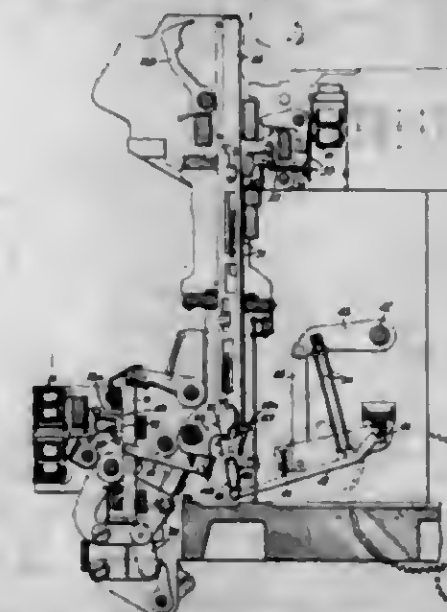
2,627,805

DEVICE FOR PRINTING AND NONPRINTING AS CONTROLLED BY COMPARISON OF DATES

Henry A. Relfort, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 4, 1949, Serial No. 97,212

10 Claims. (Cl. 101-93)



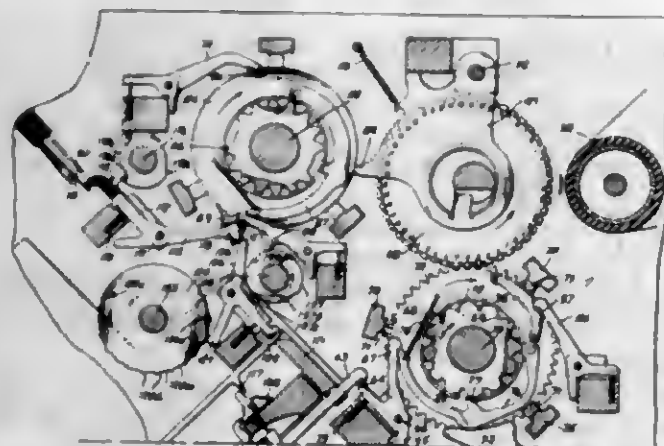
1. In a record card controlled machine of the class described, card feeding devices, electrical card densing devices for sensing item data and date data on the card while it is in motion, sheet feeding devices, printing mechanism, means under control of said card sensing devices for adjusting said printing devices to record items of data on said sheet, a comparing unit comprising two sets of settable relay devices, means for selectively timing the energization of one set of settable relay devices to represent selected date numbers, means under control of said card sensing means for energizing the other set of settable relay devices to represent date numbers, comparing instrumentalities co-operating with both sets of settable relay devices and adjusted thereby into one of two conditions according to the comparison of date numbers of the cards and a selected date number, the first of said conditions representing

an equal or high card condition, the second condition indicating a low card condition, means for causing the operation of said printing mechanism to record data on said sheet when said comparing instrumentalities are in said second condition, and means for suppressing the operation of said last named means when said comparing instrumentalities are in said first condition.

2,627,806

DECIMAL POINT AND COMMA PRINTING MECHANISM

Horace S. Beattie, Poughkeepsie, Ralph E. Page, Lagrange, and Edward J. Rabenda, Poughkeepsie, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 3, 1949, Serial No. 131,004
4 Claims. (Cl. 101-93)



1. In a record controlled printing machine, the combination of perforated record analyzing means, a plurality of digit type carrying members of successive denominational orders and including a hundreds of dollars order and a thousands of dollars order, each having digit type 1-9, a type carrying member carrying a comma printing type, digit type selecting means under control of said analyzing means for causing said digit type carrying members to be positioned to print digits 1-9, means separate from said analyzing means for positioning said comma type carrying member for selecting for printing the comma type, means for operatively associating the analyzing means with said digit type selecting means and in such manner as to provide an intermediate column between said hundreds of dollars and thousands of dollars order for printing the comma, and means responsive to the setting of the thousands of dollars type carrying member for causing the selection of the comma type for printing when said thousands of dollars type carrying member is to print digit type 1-9 and for preventing the selection of the comma type for printing when none of the digit type 1-9 is to be printed.

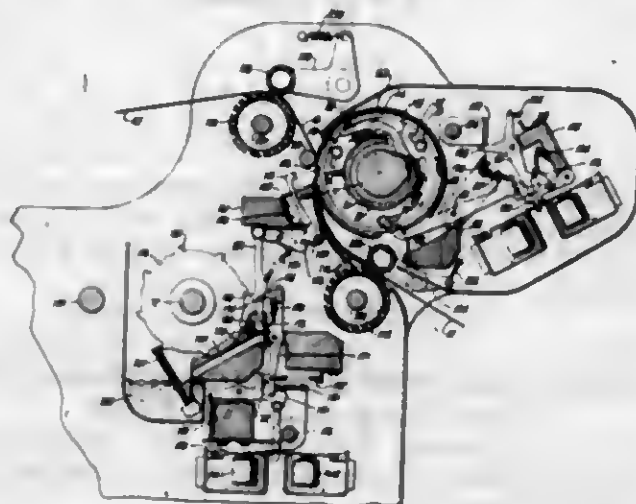
2,627,807

ROTARY SELECTIVE PRINTER

Eugen Buhler, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 3, 1949, Serial No. 130,967
6 Claims. (Cl. 101-93)

1. A machine for printing data represented by perforations in cards comprising, in combination, a rotatable member, means for rotating said member continuously at a constant speed, a carrier adjustably mounted upon said member and having type elements fixed thereto at uniformly spaced points, means for yieldingly holding said

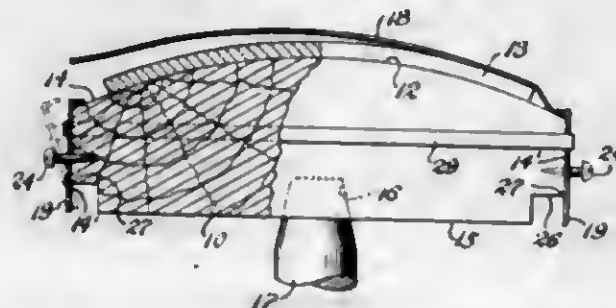
carrier in a home position on said member, first and second stations for sensing perforations in a card, means for feeding cards to said stations, said cards having uniformly spaced index points at which perforations may be located, means operating in response to the sensing of perforations at predetermined index points by said first station for adjusting said carrier on said rotatable member against the action of said holding means, means for latching said carrier in its adjusted position, a printing hammer operable to engage



2,627,808

STENCIL DUPLICATING DEVICE

Elbert E. Greenberg, Cincinnati, Ohio
Application July 25, 1949, Serial No. 106,561
2 Claims. (Cl. 101-125)



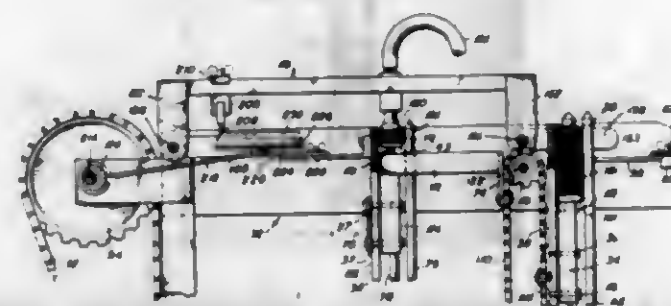
1. A hand duplicator which comprises a stiff solid backing block having ends, side faces, a back and a cylindrically convex printing face, an ink holding pad attached to said printing face, a pair of clamps adapted to hold edges of a stencil sheet covering said ink pad, each of said clamps extending along one of the sides of the backing block and having a flange adapted to grip an edge of the stencil, each of said clamps containing a pair of spaced perforations, a pair of spaced studs extending outwardly from each of the lengthwise sides of the backing block and through the perforations in one of the clamps, said perforations being of greater diameter than the studs, said clamps each being adapted to swing on said studs between a closed position in which the clamps are adapted to engage and hold edges of the stencil against

the backing block and an open position in which the clamping flanges are swung away from the backing block, and resilient means for urging the clamping flanges into engagement with the stencil, the sides of the clamping members remote from the clamping flanges projecting free of the back face of the block and being manually engageable for swinging the clamping members out of stencil-engaging position.

2,627,809

LABEL PICKUP AND PRINTING MACHINE

Francis C. Worth, Brooklyn, N. Y.
Application August 15, 1947, Serial No. 768,837
24 Claims. (Cl. 101-287)



7. In a label stamping apparatus, a frame, a swinging arm carried by said frame, a first and a second elevator mounted on said frame to support respectively a supply stack of labels and a second stack of labels, a label pick-up device secured to said swinging arm to pick up the top label from the supply stack and deposit it on the second stack, means engageable with the second stack to lower the second stack an amount substantially equal to the thickness of the label, and means operatively connected with said elevators for raising the first elevator an amount equal to the thickness of the label in response to the lowering movement of said second elevator, and said second elevator having a spring loaded platform directly supporting said second stack so that the second stack of labels is resiliently mounted, a stop operatively connected with the platform to prevent movement of the platform relative to the elevator when the second stack of labels reaches a predetermined height.

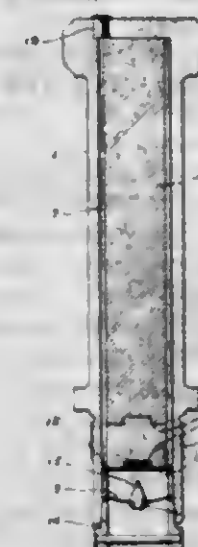
2,627,810
IGNITER

John P. Catlin, Fairfield, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application October 27, 1945, Serial No. 625,089
2 Claims. (Cl. 102-70)

1. An igniter for combustible fluid in a combustion pot to which said fluid is admissible under pressure, said igniter comprising a tubular body closed at one end excepting for an opening bisecting the circular wall of its bore and having an open end fitted into the wall of the pot for access of the pressure fluid, a powder-loaded and primed cartridge fitting the bore of the body and extending inwardly of the open end to define a chamber, a tubular spacer in the bore abutting the cartridge, a hollow cap driven into the open end toward the spacer, and a diaphragm clamped between the spacer and the hollow cap, said diaphragm being collapsible with a snap action by fluid pressure in the combustion pot, a firing pin carried by the diaphragm to fire said loading upon

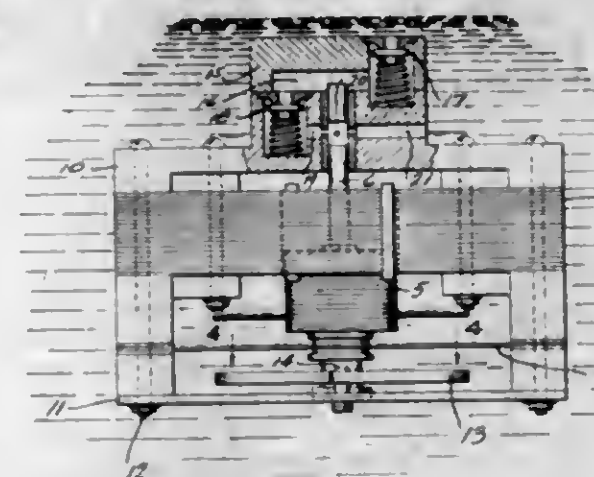
occurrence of the snap action, and a plug driven into said opening to close the bore, being removable after firing the powder charge for insertion of an instrument to push out the cartridge.



2,627,811

ELECTROMAGNETIC PUMP

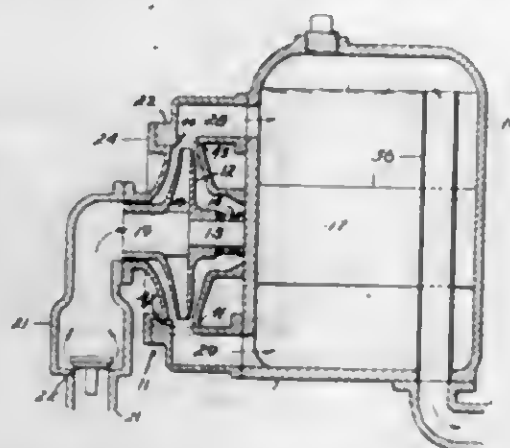
Anthony Van Ryan, South Milwaukee, Wis., assignor to McGraw Electric Company, Milwaukee, Wis., a corporation of Delaware
Application October 11, 1950, Serial No. 189,612
4 Claims. (Cl. 103-3)



1. A vibratory, alternating current electromagnetic pump comprising a field structure having shaded poles, an energizing coil on said field structure, an armature located between said poles and yieldingly supported for vertical vibration due to cyclic variations of the alternating current, torsional spring means acting on said armature in opposition to the torque of said armature and normally holding said armature in a predetermined position against rotation, pump means including a stationary portion provided with inlet and outlet valves and a movable pumping portion operatively connected to said armature and actuated by said armature upon longitudinal vibration of said armature, a body portion, valve means operatively connected to said armature and controlled by the rotary movement of said armature for determining the direction of the fluid pumped by said armature, said body portion having a pair of ports into which fluid supplied by said pump may be selectively discharged or prevented from blowing under the control of said valve means.

2,627,812
PUMP

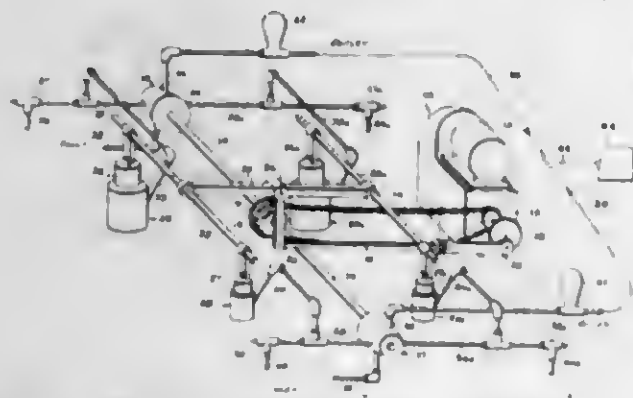
John Mann, Seneca Falls, N. Y., assignor to
Goulds Pumps, Inc., Seneca Falls, N. Y., a cor-
poration of New York
Application May 21, 1945, Serial No. 595,019
12 Claims. (Cl. 103-5)



1. A pump of the character described comprising, in combination, a casing, an impeller mounted in said casing, said casing having at least two volute passages into which liquid is discharged by the impeller and said volute passages each having a cutwater, the spacing of said cutwaters from the peripheral edge of the impeller being different.

2,627,813

PROPORTIONAL PUMPING APPARATUS
Vincent J. Gilmore, Wappingers Falls, N. Y., as-
signor to The De Laval Separator Company,
New York, N. Y., a corporation of New Jersey
Application July 31, 1947, Serial No. 765,169
5 Claims. (Cl. 103-6)

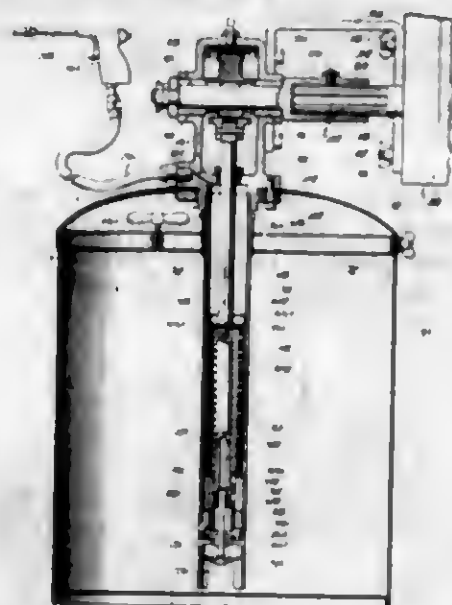


1. A proportional pumping apparatus for delivering two liquids in predetermined relative proportions, which comprises a pair of cylinders for one of the liquids, a second pair of cylinders for the other liquid, a piston reciprocable in each cylinder, a rod connected to one piston of each of said pairs of cylinders, a second rod connected to the other pistons, a rocker arm pivoted intermediate its ends and connected at its end portions, respectively, to the rods, a valve housing for each of said pairs of cylinders and having a separate inlet and outlet, ducts connecting each valve housing with the respective cylinders, a valve rotor coacting with each housing and movable to connect one of the corresponding cylinders to the housing inlet and the other to the housing outlet through the respective ducts and then to reverse said last connections, a driving connection extending between the valve rotors, and mechanism for operating said rocker arm and driving connection in synchronism.

2,627,814

LUBRICANT PUMP

Ernest W. Davis, River Forest, Ill.
Application June 14, 1947, Serial No. 754,641
2 Claims. (Cl. 103-37)

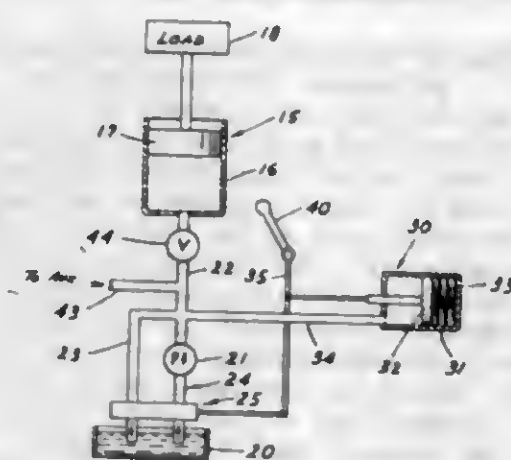


1. In a fluid compressor, the combination comprising a pressure cylinder, a high pressure pump for delivering fluid thereto, a piston for said pump, a piston rod extending into said cylinder, continuously operating means for driving said piston rod and piston in one direction, a spring in said cylinder surrounding said piston rod, fixed abutment means in said cylinder and on said piston rod rendering the spring effective to drive said piston rod and piston in the opposite direction, a jacket surrounding said spring for limiting the expansion thereof, said jacket having a length at least equal to the maximum distance between the said two abutment means, and valve means including a valve controlling discharge of fluid from said compressor and a valve for trapping fluid on the high pressure side of said piston hydraulically to lock said piston and piston rod against movement under the influence of said spring when a predetermined pressure is exceeded in said cylinder.

2,627,815

CONSTANT PRESSURE HYDRAULIC POWER TRANSMITTING SYSTEM

Ernest V. Bunting, Dearborn, Mich., assignor to
Harry Ferguson, Inc., Detroit, Mich., a corpora-
tion of Delaware
Application January 2, 1948, Serial No. 227
7 Claims. (Cl. 103-40)



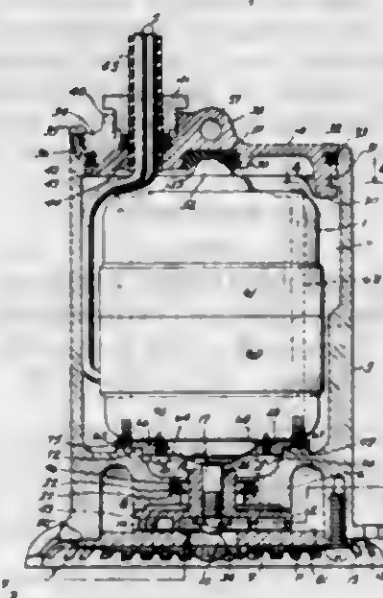
1. In a constant pressure type hydraulic system, the combination of a pump having an intake and a discharge, a drain connection leading

from the pump discharge, a valve mechanism including flow control means shiftable from a neutral position in which both said pump intake and drain connection are blocked into alternatively available exhaust and supply positions in which said drain connection and intake are respectively individually opened with the other remaining blocked, and means operable automatically in response to pump discharge pressure for retaining the flow control means of said valve mechanism in neutral position so long as the prevailing discharge pressure is of a predetermined value and for correctively shifting said flow control means to supply position or to exhaust position upon, respectively, a decrease or increase in discharge pressure from said predetermined value.

2,627,816

PUMP

Herbert W. Kaatz and Harold F. Enyeart,
Elyria, Ohio
Application April 1, 1948, Serial No. 18,347
7 Claims. (Cl. 103-87)



1. A pump-motor unit comprising a housing having intermediate two oppositely facing ends thereof, a transversely extending centrally apertured but otherwise imperforate internal partition dividing the interior of said housing into a pump chamber on one side thereof and a motor chamber on the other side thereof, both of said chambers being within the confines of the housing, a motor in said motor chamber located therein by engagement of said motor with a seat formed on the proximate surface of said partition, said motor having a shaft extending through said aperture, said housing also having a closure cover for said motor chamber remote from said partition, said cover carrying a resilient pad bearing on the end of said motor and forcibly and yieldingly urging it against said partition, and a pump impeller in said pump chamber rigidly secured to and aligned with said shaft.

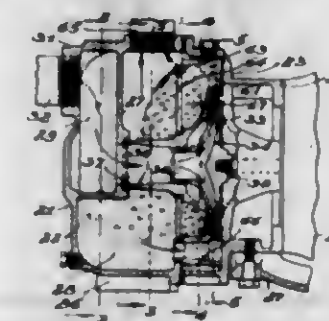
2,627,817

SELF-PRIMING CENTRIFUGAL PUMP

John Mann and Romaine P. Shuster, Seneca Falls, N. Y., assignors to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application July 8, 1949, Serial No. 103,644
22 Claims. (Cl. 103-113)

1. A self-priming centrifugal pump comprising, in combination, an impeller casing, an impeller mounted in said casing with its axis of rotation

horizontal, a suction inlet through which liquid from the source of supply flows to said impeller, an air separation chamber having a discharge pipe for liquid connected to the point of use, said casing having at least two connections to said air separation chamber with one of said connections being substantially at the top of said casing and another toward the bottom thereof, a cutoff adjacent each of said connections, the upper cutoff forming substantially a running fit with the impeller and the lower cutoff being relatively widely spaced from the impeller, a discharge passage extending from the lower cut off and increasing in cross-sectional area in the direction of rotation of the impeller toward the upper cutoff, an intake passage extending from the upper cutoff and increasing in cross-sectional area toward the lower cutoff, said intake passage being of greater cross-sectional area throughout most of its length than the discharge passage, said pump having a flow passage from the source of supply to the point of use which is free of valves or obstructions



of any kind except for the impeller, the liquid when the pump is stopped after a period of use being free to drop from the discharge pipe through the casing back to the source of supply until air breaks through the suction inlet to break the syphon action, said air separating chamber being so constructed and arranged with respect to the impeller and its casing that liquid is trapped in the air separation chamber and casing in a volume sufficient to cover the bottom connection and the lower portions of the blades of the impeller but the upper portions of the blades of the impeller and the upper connection being exposed to air, said impeller when started and at all times during the priming cycle drawing water from the air separation chamber through the lower connection into the intake passage and drawing air through said suction inlet into said intake passage, the water and air being discharged through said discharge passage with the water sealing said upper connection, said intake passage becoming a discharge passage for liquid when the priming cycle has been completed.

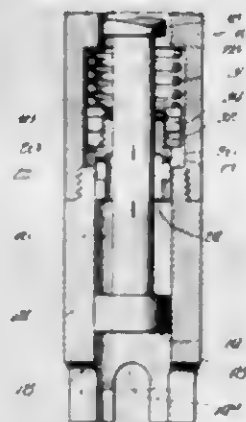
2,627,818

RECIPROCATING PUMP WITH OUTLET VALVE HAVING MATERIAL CUTTING MEANS

Ernest W. Davis, River Forest, Ill.
Application March 14, 1946, Serial No. 654,467
3 Claims. (Cl. 103-166.5)

1. In a lubricant pump the combination of means forming a pump cylinder extension, a pump piston reciprocable in said cylinder extension, means including a piston rod connected to said piston to reciprocate said piston through a predetermined stroke, means connected to said cylinder extension forming means and forming a valve chamber into which one end of said cylinder extension opens, said valve chamber having a greater cross-sectional area than said cylinder extension, a transverse valve seat formed in said

valve chamber at said end of said cylinder extension and which with the wall of said cylinder extension forms a first cutting edge, a valve member encircling said piston rod and slidable thereon, said valve member having a portion of greater cross sectional area than said cylinder extension and adapted to contact said valve seat and having a part slidable in said cylinder extension, said valve portion being reciprocable in said valve chamber and having a cross sectional area smaller than that of said chamber to permit flow of lubricant around said valve portion and through said valve chamber, a lubricant passageway through said valve member part, one end of said passageway being open to said cylinder extension and the other end of said passageway terminating



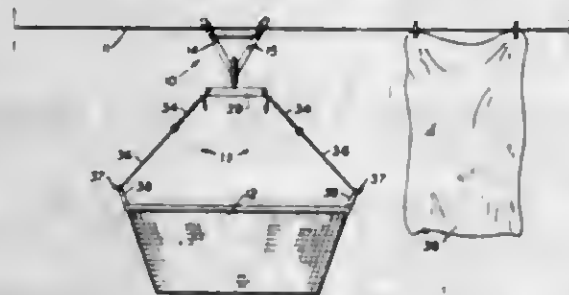
in a radially directed port, said valve member being movable between open position in which said valve portion is lifted from said valve seat and said port is at least partially uncovered by said first cutting edge and closed position in which said port is closed by the wall of said cylinder extension, the edge of said port providing a second cutting edge to cooperate with said first cutting edge to shear off any foreign matter caught therebetween as said valve member moves to closed position, and means on said piston reciprocating means adapted to engage said valve member when the latter is in open position for moving said valve member forcibly to closed position when foreign matter lying across said cutting edges obstructs movement of said valve member to closed position.

2,627,819

CLOTHESLINE TROLLEY

Theodore Finkbeiner and Chris Funk,
Wakeeney, Kans.

Application September 23, 1949, Serial No. 117,341
11 Claims. (Cl. 104-112)



1. A device for supporting a clothes basket on a clothes line, comprising, a trolley having a rigid frame with spaced grooved rollers rotatably supported thereby an immovable distance apart adapted to engage the clothes line, the frame having a portion adapted to extend below the clothes line, support means extending transversely from said portion substantially the same distance in opposite directions, and tension members connected at their upper ends to opposite

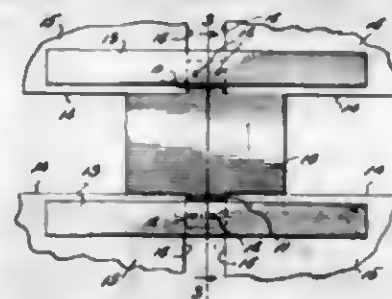
ends of said support means, said members having means at their lower ends for engaging and supporting a clothes basket, the construction and arrangement being such that the device may be attached to and detached from a clothes line while the tension members remain connected to the support means.

2,627,820

SPACER FOR CAR LOADED BOXES

Karl E. Rion, Langhorne, Pa.

Application December 9, 1949, Serial No. 132,101
1 Claim. (Cl. 105-369)



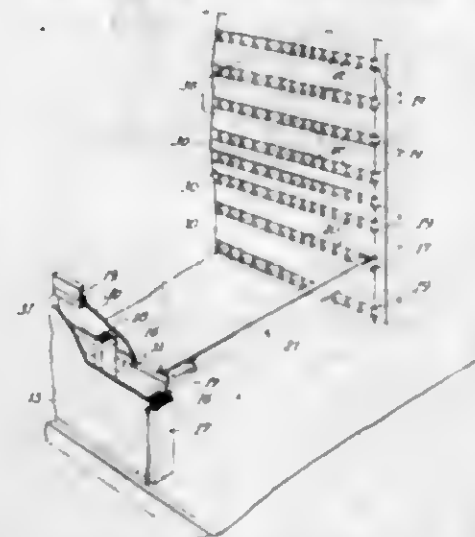
A device of the character described comprising a block of generally rectangular shape, a laterally extending ear formed integrally and centrally upon each of the longer sides of said block, and an elongated bar affixed to each of the ears in parallel relation to the longer sides of said block.

2,627,821

CARGO BRACING MEANS

Harry Arthur Sjogren, Wauwatosa, Wis.

Application March 20, 1950, Serial No. 150,603
13 Claims. (Cl. 105-369)



1. In a railway box car, horizontal channels arranged lengthwise of opposing inner walls and open toward the car interior, the channels interiorly at spaced points being provided with vertical studs; and cross-beams bridging the space between opposing walls and having ends formed to extend into the channels and to be held against movement lengthwise of the channels by said studs, at least one of the beam ends being retractible.

2,627,822

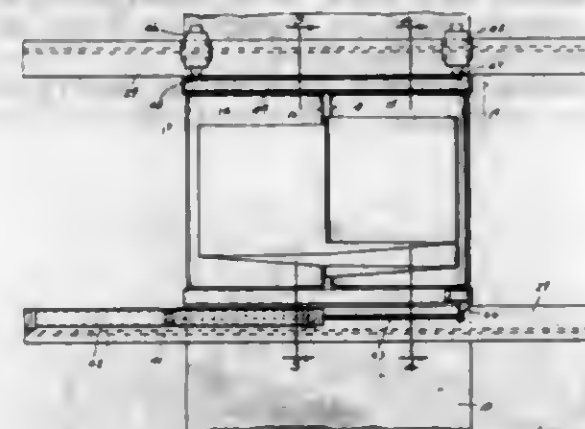
DOUGH LAMINATING APPARATUS

Frank H. Hubbard, Indianapolis, Ind.

Application November 4, 1950, Serial No. 194,091
3 Claims. (Cl. 107-1)

1. An apparatus for folding dough sheets comprising a receiving conveyor having its dough supporting run lying in a continuous plane, means

for continuously moving said conveyor in one direction, a pair of oppositely directed and aligned endless belts having their dough supporting runs supported above and in spaced parallel relation to said conveyor, the adjacent end portions of said belts being spaced from each other to provide a dough feeding throat, means for advancing each of said belts in opposite directions and toward one another transversely of said conveyor, supporting members for said belts, means for re-



ciprocating said belt supporting members and belts jointly and simultaneously as a unit transversely of said conveyor to cause said throat to move from one side of said conveyor to the other in parallel relation thereto as said belts advance towards each other, and means for delivering a continuous sheet of dough onto said belts alternately during their joint transverse movement for continuous delivery of said dough to and through said throat onto said conveyor.

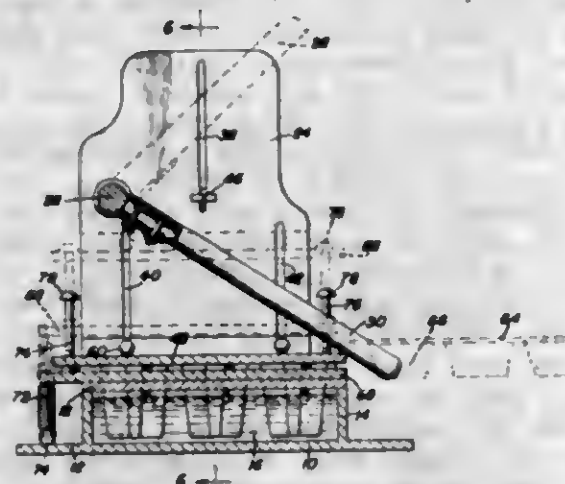
2,627,823

CLOVER-LEAF ROLL FORMER

Leonard A. Hurley and Pete F. Lucas, Dallas, Tex.,

assignors to Louis D. Houllis, Dallas, Tex.

Application February 24, 1950, Serial No. 146,058
8 Claims. (Cl. 107-8)



1. A clover-leaf roll former comprising an oil receptacle constituting a base, a pair of vertical supports rising from opposite sides of said receptacle, a die carrying plate vertically, reciprocably mounted on said supports and overlying said receptacle, means on said supports for vertically reciprocating said die plate a distance somewhat greater than the distance represented by the depth of the receptacle and the depth of a muffin pan, roll forming dies depending from said die plate and extending into said receptacle when the die plate is in its lowermost position, stripping means surrounding said dies and being secured to said die plate for limited relative movement therewith, resilient means interconnecting said stripping means and said receptacle

to restrain the stripping means from movement for a portion of the upward movement of the die plate and pan supporting means mounted on said receptacle.

2,627,824

APPARATUS FOR MOLDING AND PACKAGING ICE CREAM

Karl F. Schulze, Minneapolis, Minn.

Application October 21, 1949, Serial No. 122,766
4 Claims. (Cl. 107-19)



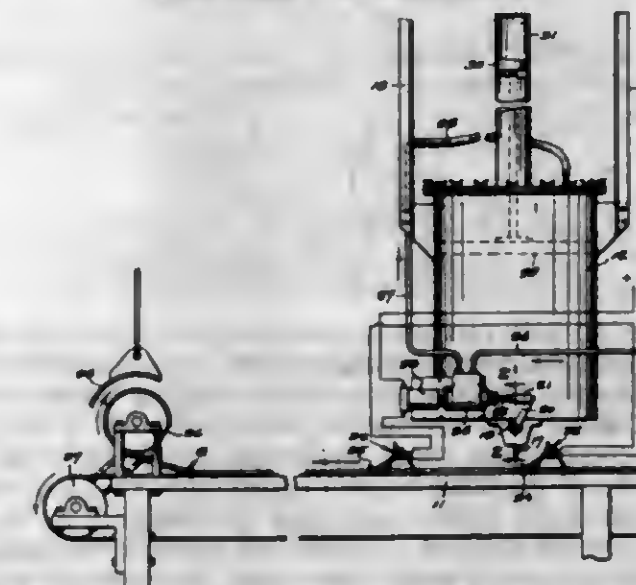
1. In a device for making ice cream rolls, an open frame comprising a plurality of circumferentially spaced, vertically disposed rods, means encircling said rods and secured thereto to retain them in proper spaced relation, a cylindrical liner sheet removably coiled into said frame with the terminal end overlapping the initial end thereof and engaging said rods, a disk also inserted into the open frame, said liner and disk cooperating to provide a mold for receiving a plastic ice cream mix, and said mold being adapted to be placed in a freezing chamber to thoroughly solidify and harden the ice cream mix contained therein, said rods forming guides to minimize friction and facilitate the removal of the frozen ice cream from the holder.

2,627,825

PRODUCTION OF LAYER PASTRY

Le Conle Stiles, Seattle, Wash.

Application November 25, 1946, Serial No. 712,138
4 Claims. (Cl. 107-54)

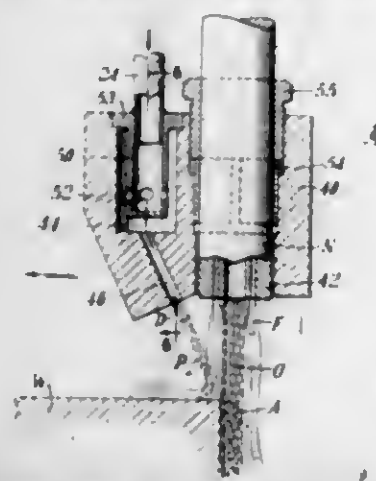


1. The method of producing layer pastry from an elongated dough sheet which comprises giving

travel to the dough sheet along a predetermined path and, in course of travel, buttering the surface of the sheet, causing the buttered sheet to wind itself in successive wraps about a revolving mandrel, freeing the body of dough from the mandrel by stopping the rotation of the latter and cutting through the multiple wraps on a line approximately radial to the axis of the mandrel, and baking the layer product which results.

2,627,826

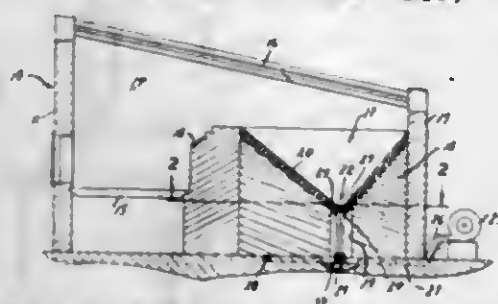
THERMOCHEMICAL MATERIAL REMOVAL
Edward Meincke, Summit, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 21, 1949, Serial No. 94,663
17 Claims. (Cl. 110—22)



1. Apparatus for thermochemically removing material from a body of such material which comprises nozzle means having first passage means for directing an oxygen stream against said body, second passage means inclined downwardly toward said first passage means for directing a stream of adjuvant powder into said oxygen stream below said nozzle means, and third passage means between said first and second passage means for directing a preheating flame so as to intersect said stream of adjuvant powder and heat particles thereof to their ignition temperature enroute to said oxygen stream; and a source of powder in communication with said second passage means.

2,627,827

FLY-ASH HANDLING APPARATUS
Lacester Elliott, Springfield, Ill.
Application December 10, 1948, Serial No. 64,490
12 Claims. (Cl. 110—165)



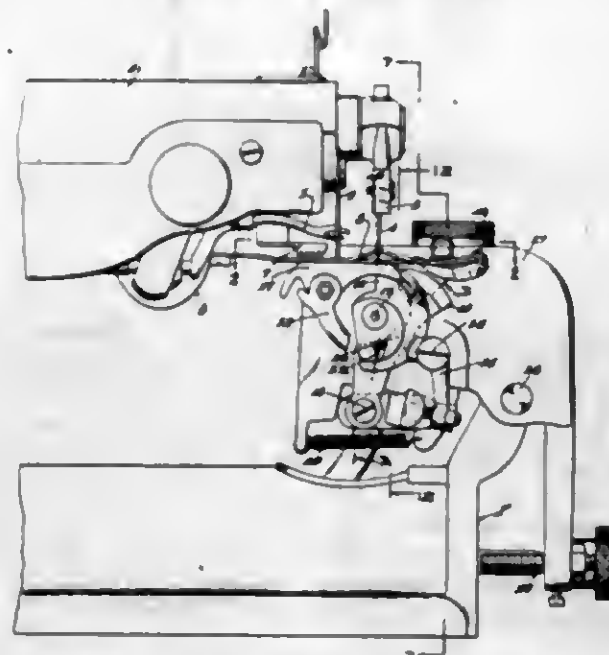
1. In an ash receiving assembly for feeding ash to a pneumatic conveying system in a commercial furnace, the combination of a hopper body having an inlet and an outlet provided with a pneumatic connection, and enclosing walls defining a plurality of passages converging toward said outlet from said inlet, bearings positioned at said body inlet in spaced relation, an agitator member extending across said inlet and operatively supported by said spaced bearings, said member having a close fit in the body inlet sufficient to permit

loose ash particles to pass into the body and to permit agglomerate ash masses to pass when crushed between said member and the adjacent body walls, and an operating shaft rotatively supported by one of said spaced bearings and connected to said agitator member for operatively rotating the same.

2,627,828

SEWING MACHINE

Mario Buono, New York, N. Y., assignor to U. S. Blind Stitch Machine Corp., New York, N. Y., a corporation of New York
Application March 1, 1951, Serial No. 213,390
6 Claims. (Cl. 112—178)



1. In a sewing machine of the type which has a frame and a work-support which is pivoted to said frame and feed-means which operate in a selected longitudinal feed-path and a needle which is moved to-and-fro in a selected needle-path which is transverse relative to said feed-path, said work-support having a top-surface which is provided with an opening, a main rib which is turnably connected to said work-support below said top-surface, said main rib being turnable about a transverse axis relative to said work-support, automatic operating means for oscillating said main rib around said transverse axis to a bight-forming position in which said main rib extends through and above said opening and to a lower non-bight-forming position, an auxiliary rib which is turnably connected to said frame, said auxiliary rib being turnable relative to said frame and relative to said main rib about a transverse axis and being spaced transversely from said first rib, said auxiliary rib being turnable about its transverse axis to a bight-forming position in which said auxiliary rib extends through and above said opening and to a lower non-bight-forming position, said main rib having and operating drive means which are connected to said auxiliary rib, said drive means oscillating said auxiliary rib reversely to said main rib.

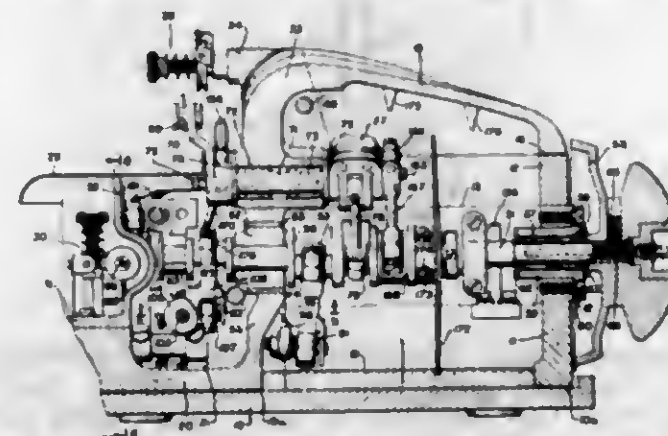
2,627,829

OVEREDGE SEWING MACHINE

Ned L. Wallenberg, Chicago, and George Sauer, Berwyn, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1948, Serial No. 63,924
5 Claims. (Cl. 112—256)

1. An overedge sewing machine adapted for high speed operation having a frame providing

a relatively low enclosed lubricant retaining housing forming the major portion thereof, an extension at one side of the lower portion of said housing providing a work supporting surface, a main driving shaft extending through said housing and into said extension, a needle carrying member driven by said shaft from within said housing and arranged to reciprocate a needle from a point above said work supporting surface to and through the same, complemental stitch forming devices within said extension cooperating with said needle both below and above said work supporting surface, work feeding means in said extension, operating connections to said needle carrying member, said complemental stitch forming devices and said work

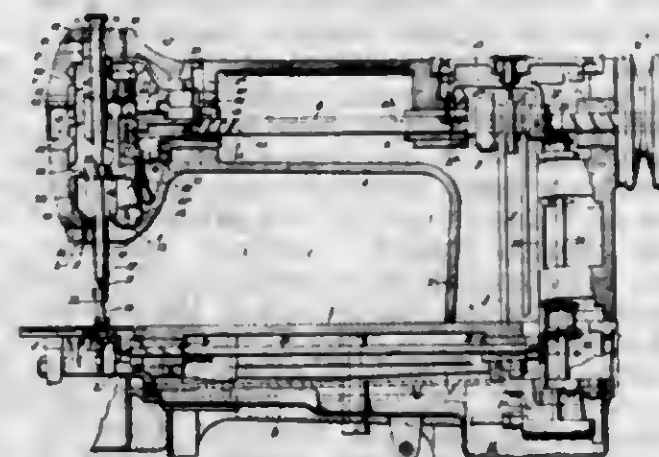


feeding means driven by said main shaft within said housing, substantially all of said operating connections being below the work supporting surface, the portion of said connections within the housing being at all times entirely above the lubricant level therein, a member carried by said main shaft arranged to rotate therewith and extending continuously into the lubricant in said housing for dispersing the same as a mist throughout the interior of the housing, and wicking exposed to said mist within the housing and extending through a wall of said housing for delivering lubricant derived from said mist to relatively moving surfaces of said stitch forming devices and work feeding means exterior of said housing.

2,627,830

LUBRICATING AND GUARDING MEANS FOR SEWING MACHINES

Herman Ritter, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 4, 1947, Serial No. 732,173
4 Claims. (Cl. 112—256)



1. In a sewing machine having a frame including an upwardly and rearwardly inclined hollow bracket-arm head and a similarly inclined face-plate removably secured thereto in metal-to-metal contact, said face-plate having a portion

exposed to oil thrown off by mechanism in said head; the improvement which comprises the provision, on the inner face of said face-plate, of forwardly and downwardly inclined channels for directing the oil received thereon, downwardly and forwardly and away from the rear joint between the head and the face-plate, and a substantially horizontally disposed shelf beneath the lower ends of said channels for conducting said oil laterally of said face-plate and depositing it into the lower end of the bracket-arm head.

2,627,831

PERMANENT BUILT-IN FOLDING BOARDING LADDER FOR BOATS

Norman Robinson, Southport, and Paul R. Lutters, Fairfield, Conn.
Application June 3, 1950, Serial No. 165,882
6 Claims. (Cl. 114—65)



1. In a water craft having an upright side wall including a freeboard provided with an opening therethrough, a step forming member of a size to fit in and close said opening, supporting means for said member including means to pivotally connect said member at its lower edge to the side wall, said member being swingable inwardly from the opening to a substantially horizontal position behind said wall in substantial alignment with the lower edge of said opening to provide a ladder step, and means to support the member in this position.

2,627,832

SUBMERSIBLE AMPHIBIAN LANDING CRAFT

Nicholas Gagliano, Wauwatosa, Wis.
Application July 25, 1947, Serial No. 763,493
1 Claim. (Cl. 114—70)

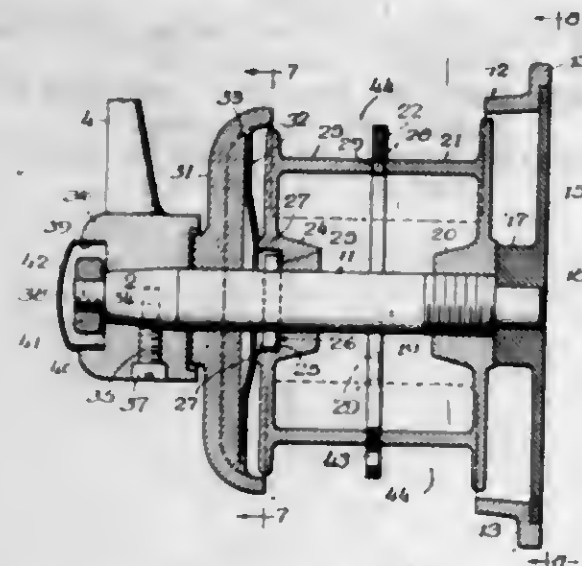


A vehicle landing craft including a hull, a deck disposed at approximate mid height in said hull short of the bow thereof, a horizontal transverse stem in said bow, a pair of doors closing oppositely on parallel horizontal axes against said stem, racked quadrants fixed to said doors, gears engaged with said quadrants, motors for operation of said gears adjacently disposed in said hull, a permanent forwardly downwardly inclined ramp connecting said deck with the lower of said doors,

and a movable ramp hinged at its forward end to the stem and adapted when lowered to rest with its after end on the deck to permit movement of vehicles through the upper emergency door over the stem.

2,627,833
STEERING CONTROL FOR OUTBOARD MOTORS

Joseph H. Schroeder, Oshkosh, Wis.
Application April 12, 1949, Serial No. 87,005
2 Claims. (Cl. 114-160)



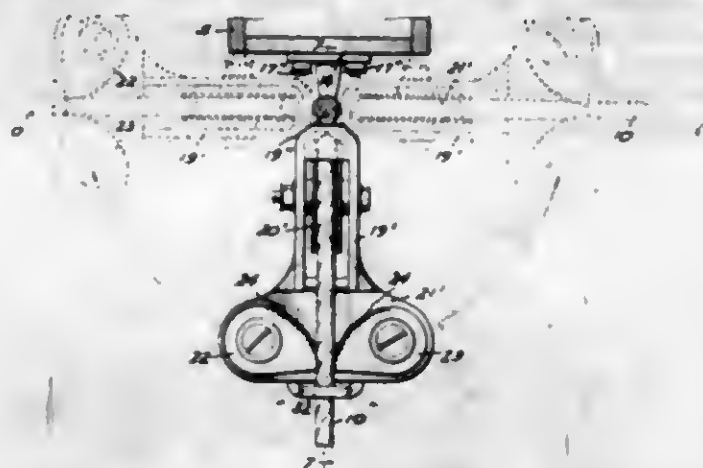
1. In a remote steering control for an outboard motor rotatably mounted at the rear of a boat having a steering shaft and a steering wheel positioned forwardly of the motor, steering mechanism mounted upon the steering shaft and comprising a pair of opposed rope sheaves and an intermediate spacer mounted upon the shaft and rotatable therewith, a housing encompassing said rope sheaves, spacer and steering shaft, a tiller rope anchored intermediate its length to the spacer and with each of the opposite ends projecting outwardly from the spacer and wrapped tightly about a sheave and from there projecting laterally in opposed directions through openings in the housing with the ends attached to the motor, whereby turning of the steering wheel and shaft rotates the sheaves in either direction to alter the length of the rope and by reason of its attachment to the motor rotates the latter to thereby steer the boat in the desired direction, and friction means connected with said housing and one of said sheaves for maintaining said sheaves and spacer in adjusted angular position upon release of the steering wheel.

2,627,834
CAM CLEAT

William C. Roberts and Owen E. Duffy, Chattanooga, Tenn., assignors of one-fourth to C. Hugh Duffy, Washington, D. C.
Application October 5, 1948, Serial No. 52,814
1 Claim. (Cl. 114-199)

The herein described device for receiving and belaying the main sheet rope of a sail boat adjacent the keel thereof which includes; a mounting plate for mounting over the keel of a sail boat, said mounting plate having a pivot bearing thereon, a unitary sheet rope guide member comprising a cam cleat for receiving and holding said rope, said member having a pivot bearing cooperating with the pivot bearing on the mounting plate for pivotally mounting said sheet rope guide member on said mounting plate, said sheet rope guide member including

a pulley for conducting said rope through the guide member and to said cam cleat, a cam mounting plate carried on said guide member transverse of the line of movement of the sheet rope over said pulley, said cam cleat comprising a pair of rope jamming cams mounted on said cam mounting plate, one of said cams being positioned at each side of the line of movement of a rope from said guide element over said mounting plate, a rope guide member in the form of a yoke on said cam mounting plate



projecting from the side thereof for receiving and retaining said rope in substantial alignment with the juncture of said cams, said yoke being elongated in a direction substantially parallel with the axes of rotation of the cams, said sheet rope guide member having additional means cooperating with said unitary sheet rope guide member for leading the main sheet rope from the boom of a sail boat into a line of movement co-axially with the line of movement of entry of the sheet rope to said pulley carried by said unitary sheet rope guide member.

2,627,835
METALLIC COVER FOR CLOSING THE HATCHWAYS OF SHIPS

Paul André Mege, Poissy, France
Application July 22, 1946, Serial No. 685,358
In France July 20, 1945
2 Claims. (Cl. 114-203)

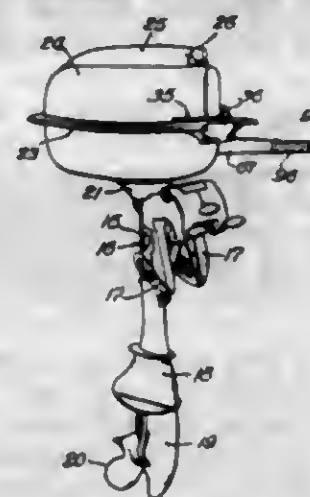


1. In combination with a hatch coaming, a pair of covers therefor hingedly connected respectively to opposite ends of the coaming and adapted to meet at their abutting ends when the covers are in closed position, each cover comprising, respectively, inner and outer hinged sections constructed panel fashion, each section comprising transverse reinforcing plates and longitudinals with external sheet metal plating disposed on said longitudinals and transverse plates all welded together and presenting a practically smooth external surface; securing elements between the inner sections of the covers disposed below the top surface of the plating; the inner sections of the covers being adapted to be advanced towards each other and separated, and said elements including watertight jointing means having opposed elements fixed on the said inner sections; cam means carried by one of said sections adapted to guide the jointing means into operative association or to separate same respectively in the act of bringing the sections together or separating them, the said means being disposed in a space between the

cover sections; and a removable member closing said space and forming a continuation of the top surface of the plating.

2,627,836
THROTTLE CONTROL FOR OUTBOARD MOTORS

Gilbert E. Buske, Anson Township, Chippewa County, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application May 4, 1951, Serial No. 224,574
10 Claims. (Cl. 115-18)



1. In an outboard motor unit, a motor and a carburetor therefor having a throttle valve yieldingly urged in opening direction, a magneto stator plate movable in either direction about an axis, a control lever connected to said plate for moving the latter, means for moving said valve in closing direction comprising a cam member movable with said plate and unattached to said valve whereby the latter when open may be moved in closing direction independently of said plate, a steering handle attached to said motor extending forwardly therefrom, a throttle control member on said handle having a normal position and movable therefrom in valve operating direction, and operating connections between said control member and said valve for moving the latter in closing direction comprising a lost motion connection having a stop disposed to permit operation of said valve by said cam member from full open to full closed position in the normal position of said control member and to move said valve in closing direction independently of said cam member responsive to actuation of said control member in valve operating direction.

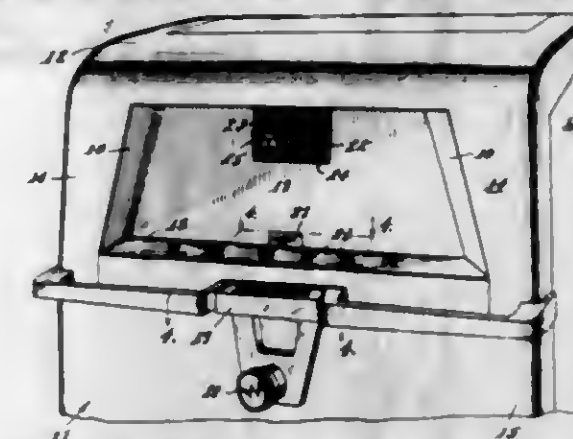
2,627,837
LIGHTING SYSTEM FOR LUBRICATION CABINETS OR THE LIKE

Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application March 31, 1947, Serial No. 738,482
1 Claim. (Cl. 116-135)

A lighting system for a lubrication cabinet or the like comprising in combination with a single source of light within the cabinet, a sign in one side of said cabinet having high light transmitting qualities and including a surface visible from the exterior of said cabinet, said cabinet including a surface which is to be illuminated which is also visible from the exterior of said cabinet, said light source and said sign being disposed adjacent to each other and the surface of the cabinet to be illuminated being spaced from said sign, so that said sign is illuminated by light from said source and also directs light onto said cabinet surface to

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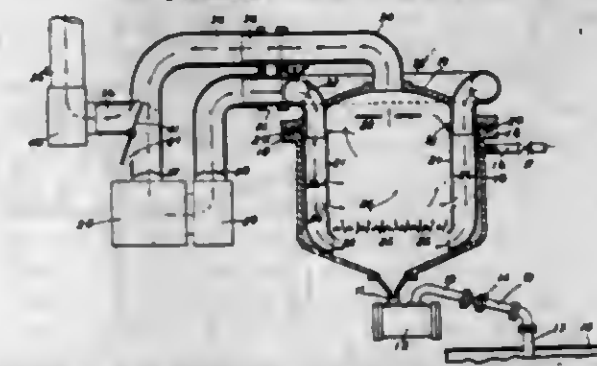
be illuminated, an indicator slidably mounted in said cabinet and visible from the exterior thereof on the same side of the cabinet as said sign and said illuminated surface, said indicator having a plurality of light transmitting apertures therein



adapted to be selectively positioned to give various light distribution patterns depending upon the position of said indicator, and a mirror in said cabinet for directing light from said source through said light transmitting apertures.

2,627,838
APPARATUS FOR IMPREGNATING SOLID BODIES

Percy Huggins, Sale, England, assignor of one-half to Lancashire Dynamo & Crypto Limited, Manchester, England
Application June 8, 1949, Serial No. 97,793
In Great Britain June 8, 1948
4 Claims. (Cl. 118-64)



1. Apparatus for impregnating a solid body comprising an impregnating chamber, tank means for holding a supply of liquid impregnant, means connecting said chamber and said tank means for conveying sufficient impregnant into said chamber to immerse the solid body and for withdrawing and returning excess impregnant to said tank means, circulating means, ducts connecting said circulating means with the top and bottom of said chamber, a telescopic connection in each duct, whereby when the connections are uncoupled sealing plates may be secured to the parts of the ducts connected to the chamber to close off the circulating means from said chamber, a heater connected to said circulating means, and said circulating means feeding a blast of air through said heater into said chamber near the bottom thereof, and exhausting said air from the top of said chamber.

2,627,839

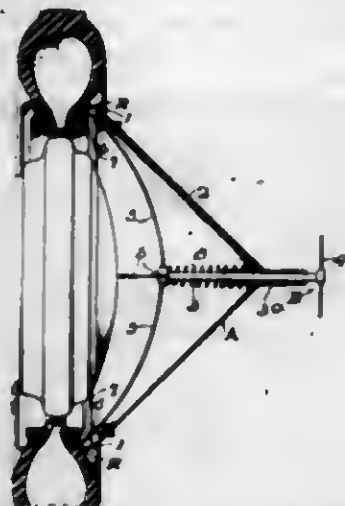
WHEEL MASK

Peter D. Huggins and James P. Elliott, South Boston, Va.

Application September 6, 1951, Serial No. 245,373
7 Claims. (Cl. 118-505)

1. A device for protecting a wheel assembly during a tire dressing operation, comprising, a hollow mask having a circular edge, a plurality of manually controlled resilient means slidably carried by and disposed on the inner side of the

mask adjacent said edge for attaching the mask to and detaching the mask from the rim of a



wheel, and a single member for simultaneously actuating said plurality of means.

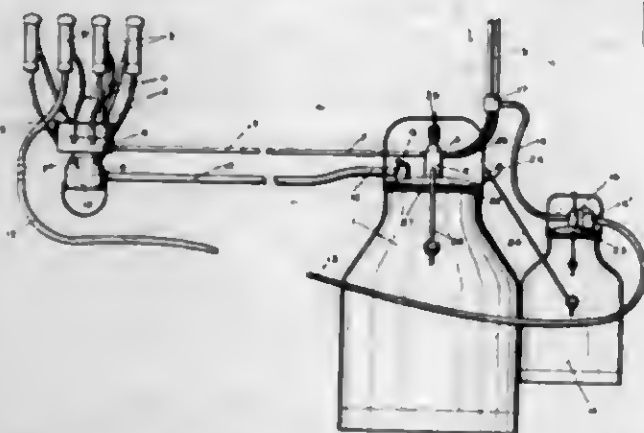
2,627,840

MILKING MACHINE

Albert E. Mayer, Bay City, Oreg.

Application April 20, 1951, Serial No. 222,008

2 Claims. (Cl. 119-14.01)



2. A milking machine, comprising a pulsating unit including a manifold, means for supplying vacuum to the pulsator unit including a pipe connected with said pulsator unit, a group of teat cups, tubes connecting the group of teat cups to the pulsator unit to supply vacuum thereto, tubes connecting the teat cups to the manifold for collecting the milk, a separate teat cup, a tube connecting the separate teat cup to the pulsator to supply vacuum thereto, a separate tube connected to the separate teat cup, a milk receiver having a valve, a tube connecting the manifold with the valve, an auxiliary milk receiver having a valve, the separate tube connected to the separate teat cup communicating with the valve on the auxiliary milk receiver, a check valve on the auxiliary milk receiver, a tube communicating with the check valve and the vacuum supply pipe, whereby substantially pure milk can be delivered to the main milk receiver from selected cow's udder quarters and simultaneously infected milk can be drawn from an infected cow's udder quarter and delivered to the auxiliary milk receiver.

2,627,841

SMALL ANIMAL INCUBATOR

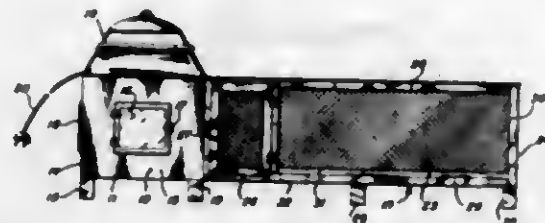
Frank Johnson, Detroit, Mich.

Application September 27, 1949, Serial No. 118,056

2 Claims. (Cl. 119-31)

1. A brooder for the confinement of adult and young animals, an imperforate casing including

a bottom and top and having one end open and the other end closed, a brooder heating unit depending from the top of said casing, a pen having one end open and including a bottom, spaced perforated sides rising from said bottom, a perforated end extending between the sides adjacent the end of the latter remote from the open end of the pen and connected to said sides, and a perforated top extending over and supported upon said sides and said end positioned so that the open end is in registry with the open end of said casing with the bottom abutting the bottom of said casing, the registering open ends of said casing and pen being connected together, a vertically disposed weighted flexible curtain extending transversely across the entire open end of said



pen and having the upper end dependingly supported from the top of said pen, the lower end of said curtain being spaced above the bottom of said pen, and a vertically disposed barrier positioned below and in vertical alignment with said curtain and connected to the sides of said pen, the lower end of said barrier engaging the bottom of said pen and the upper end of the barrier being spaced from the lower end of said curtain, the distance between the top of the barrier and the top of said pen being at least as great as the body height of the adult animal being confined in said brooder, said barrier being of a height to prevent the young animals from passing thereover.

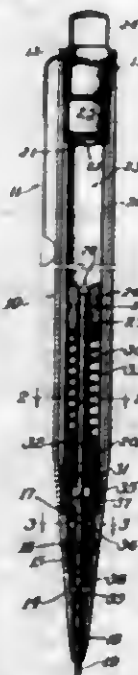
2,627,842

MECHANICAL PENCIL OF THE PUSH-BUTTON TYPE

Obed M. Russell, Des Plaines, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application March 31, 1948, Serial No. 18,171

2 Claims. (Cl. 120-17)



2. In a pencil, clutch and feed means including, a pair of lead feeding tubes reciprocable in axial alignment between opposite limited positions, a coupling sleeve surrounding adjacent ends of said tubes and secured to one tube, a lead clutch adapted to be seized and closed by said sleeve when said one tube is in a normal limited posi-

tion and coupling said tubes for joint movement away from said normal position to advance the lead, stop means for arresting travel of the second tube after a predetermined amount of said joint movement, said coupling sleeve being of a length to permit overtravel of the one tube after arrest of the second tube, said clutch being released from seizure by the coupling sleeve during said overtravel, said coupling sleeve having a tapered portion coacting with said clutch during return travel of the one tube toward said normal position to restore said second tube to normal position without closing said clutch until both tubes are restored to normal position, a third tubular element freely surrounding said adjacent ends of the pair of tubes and said sleeve and clutch parts, a barrel in which said third tubular element is fixed, a magazine cylinder reciprocable in said barrel, and having a lower end telescoping upon said third tubular element, a lead infeed plug fast with said cylinder at its upper end, a bored plug confining said sleeve and clutch parts in said third tubular element, a compression spring in said cylinder and having one end seated against said bored plug and an opposite end against said lead infeed plug fast with said cylinder to move the latter away from said third tubular element to a said normal position, said first feeding tube being secured with said infeed plug to move said first tube and said clutch correspondingly to said normal position.

2,627,843

WRITING INSTRUMENT

Herman C. Frenz, Milwaukee, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin

Application January 31, 1947, Serial No. 725,609

4 Claims. (Cl. 120-42.03)



1. A ball-point writing instrument comprising a forward tubular casing section including a barrel portion having an open end and a tapered tip member detachably secured to and substantially closing the open end of said barrel portion and having an open forward end of substantially smaller diameter than the open end of said barrel portion, a rearward casing section including telescoped inner and outer tubular members secured together at their rear ends only, said forward casing section being telescoped and slidable between said inner and outer tubular members, means guiding said casing sections for relative longitudinal movement only, a driven element mounted for rotation and longitudinal movement in said forward casing section and having two helical cam tracks spiraling in the same direction, studs on said forward casing section and inner tubular member engaging said cam tracks respectively, a ball-point writing unit detachably carried by said driven element and insertable and removable through the open forward end of said barrel portion when said tip member is removed, said unit having a ball writing point positioned to be projected and retracted through the open end of said tip member upon longitudinal movement of said driven element.

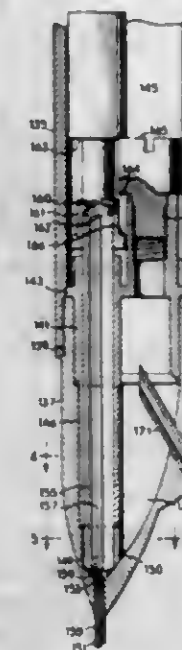
2,627,844

FOUNTAIN PEN FOR VISCOUS INK

Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 22, 1948, Serial No. 40,027

4 Claims. (Cl. 120-44)



2. In a fountain pen, a barrel, a writing tube extending through one end of said barrel, a wire extending through the bore of said tube, a weight member attached to said wire, means guiding said weight member for movement longitudinally of the pen, said weight member having grooved portions which form a plurality of longitudinally spaced shoulders on one side of the weight member and means mounted in said barrel for selectively engaging said shoulders to limit the stroke of said longitudinal movement to a short or a long stroke, said last named means being longitudinally spaced at different distances from said shoulders.

2,627,845

PENCIL POINT PROTECTOR

Emory D. Finch, Atlanta, N. Y.

Application December 12, 1949, Serial No. 132,568

1 Claim. (Cl. 120-84)

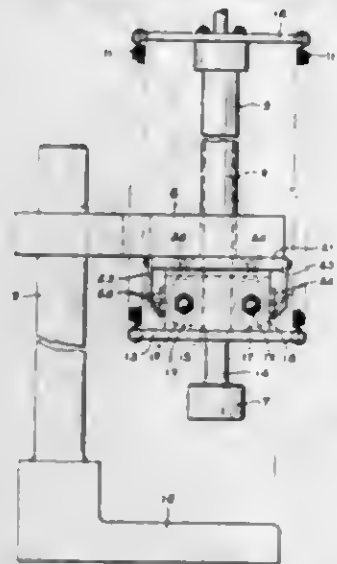


In a pencil point protector, the combination which comprises an elongated flat plate having a cylindrical pencil receiving section on one side of the plate, the inner edge of the wall of the said cylindrical pencil receiving section being spaced from the surface of the plate whereby an elongated open slot is positioned in the said pencil receiving section providing access to the interior of the said cylindrical pencil receiving section for the removal of short pencil stubs therefrom, one end of the wall of said cylindrical pencil receiving section being conical shaped whereby to contact a pencil point which is nested therein and is protected thereby.

2,627,846

FLUID PRESSURE IMPACT DEVICE

Walter U. Boedeker, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 24, 1948, Serial No. 28,935
4 Claims. (Cl. 121-13)

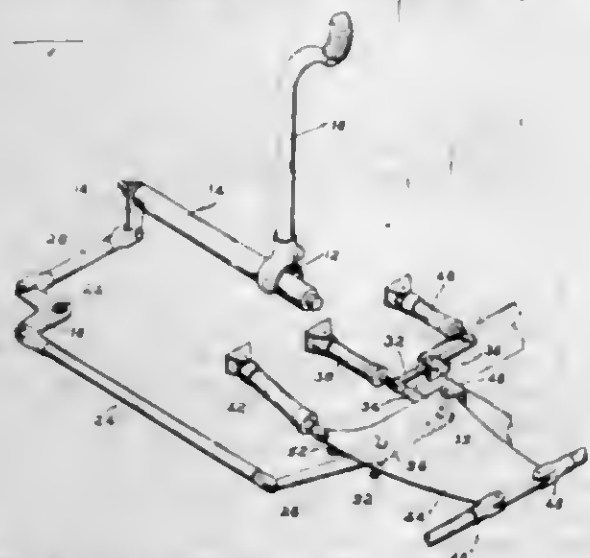


1. The combination with a fluid pressure operated impact device comprising a support for holding an article to be subjected to an impact blow and a piston member dependent upon fluid pressure for movement toward said support, said piston member including a hammer-head for striking said article, of means for materially augmenting the impact blow of said device comprising magnetic restraining means mounted on said device for affording in a given position of said piston member a restraining pull opposing fluid pressure operation of said piston toward said support but permitting quick breakaway of said piston member upon adequate building up of the fluid pressure exerted thereon.

2,627,847

POWER BOOST CONTROL SYSTEM WITH MECHANICAL FEEL MEANS THEREFOR

John R. Clark, Stratford, and Carl Schultz, Milford, Conn., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application June 22, 1948, Serial No. 34,465
2 Claims. (Cl. 121-41)



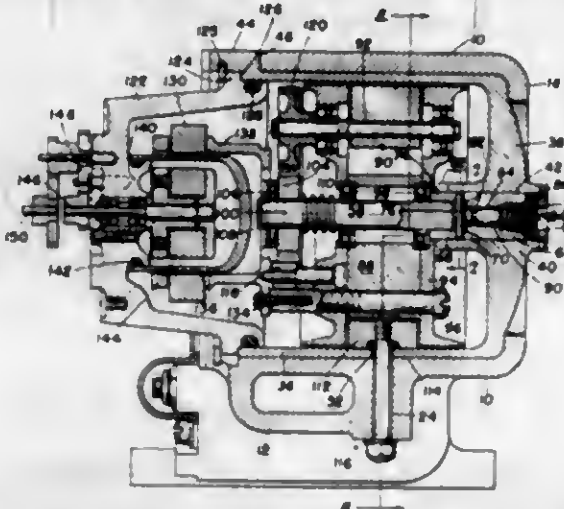
1. In a boost control mechanism for controlling movable control surfaces of aircraft, a manually actuated means connected to one end of a first lever, said first lever being pivoted at an intermediate point to a bell-crank, said bell-crank being pivotally supported by a fixed member and

connected to a pair of control rods, two stops on said bell-crank, said stops being selectively engageable with said first lever upon predetermined relative movement of said bell-crank and said first lever, selective means connected to the other end of said first lever, a booster servo-motor, a fluid power source for operating said servo-motor under control of said selective means, means to automatically render said servo-motor inoperative upon loss of power from said source, a toggle including a second lever pivoted at an intermediate point to said bell-crank, one end of said second lever being connected to said servo-motor and the other end being connected through a toggle link to an intermediate point on a plate being pivoted coaxially with said bell-crank to a fixed member at one end and connected at its other end to said manually actuated means, said servo-motor when operative creating a resistance to manual operation of said mechanism.

2,627,848

LIGHT WEIGHT ROTARY FLUID METER AND REGISTER DRIVE ASSEMBLY

William I. Smith, Wilkesburg, Pa., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1947, Serial No. 721,976
6 Claims. (Cl. 121-93)



1. Housing structure for rotary type fluid meters comprising an outer light-weight casing, a high pressure resistant cylindrical liner insertable axially within the casing in frictional face-to-face contact with the wall thereof, the casing and liner walls intermediate of their ends having circumferentially spaced registering inlet and outlet ports, said casing wall having an internal annular groove concentrically surrounding each port, an elastic sealing ring in each of said grooves having a normal diameter exceeding the depth of the groove, and said liner wall having external surface portions longitudinally aligned with each port therein and inclined toward the rotor axis in the direction of insertion of the liner to engage the said rings in the insertion of the liner within the casing and first progressively distort and compress the sealing rings into said grooves and then maintain said rings under substantially uniform compression in the final port-registering position of the liner to establish fluid-tight seals between the liner and casing walls around the respective ports.

2,627,849

GASOLINE HAMMER

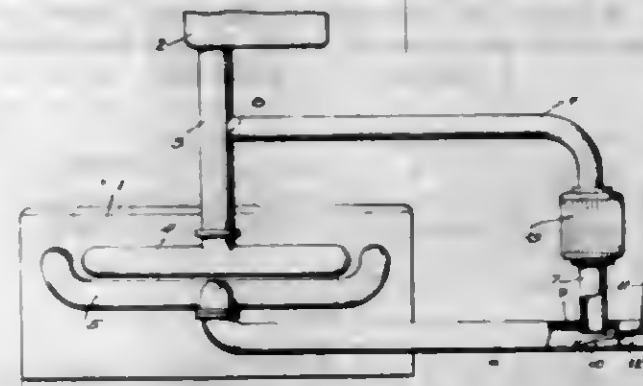
Goodwin A. Carlson, Slayton, Minn.
Application January 3, 1950, Serial No. 136,516
5 Claims. (Cl. 123-7)

1. A gasoline hammer comprising a housing having a drive shaft rotatably journaled there-

2,627,851

THROTTLE SYSTEM AND METHOD

Walton W. Cushman, Webb City, Mo.
Application December 29, 1948, Serial No. 67,907
6 Claims. (Cl. 123-119)
(Granted under Title 35, U. S. Code (1952), sec. 266)

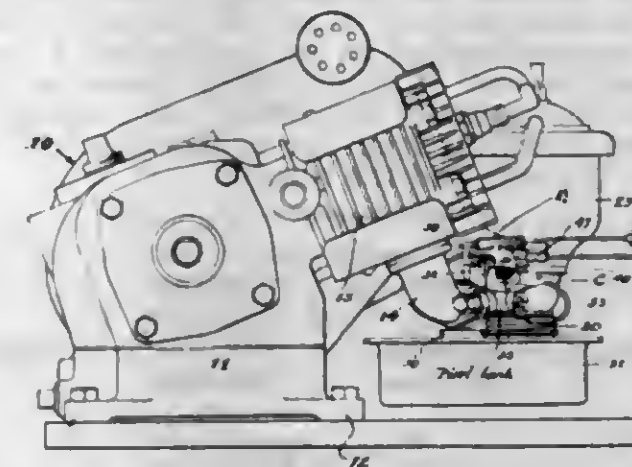


1. An internal combustion engine including a valveless fuel supply system, an exhaust pipe, and means associated with the exhaust pipe and fuel supply system for inversely proportioning the amount of live fuel and exhaust gases entering the cylinders.

2,627,852

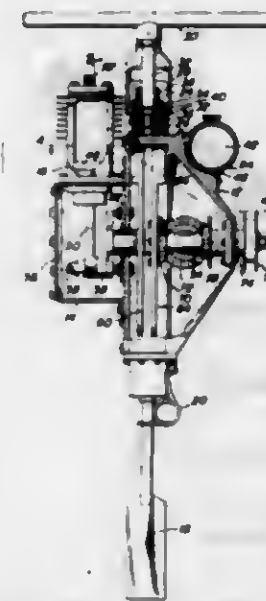
CARBURETOR

Raymond A. Dittmer, Detroit, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application November 28, 1950, Serial No. 197,931
4 Claims. (Cl. 123-119)



1. A carburetor structure comprising a casting providing an elongated body portion having a horizontal longitudinally extending mixture passage, external bosses carried by said body portion and lying in closely adjacent parallel planes extending normal to the axis of the mixture passage and adapted to respectively support a throttle valve structure and a fuel metering valve structure adjustably operable from without the body portion of said carburetor structure, and a horizontally extending flange integral with said body portion and disposed on the underside of said body portion below said bosses and flush against which the top of a fuel tank may be secured, a bore extending down from the boss supporting said fuel metering valve structure to one side of the mixture passage and through the bottom of said flange to receive a suction pipe disposed to extend into the interior of said fuel tank, one end of said elongated carburetor body portion having an air inlet and carrying means for supporting an air cleaner connected with said air inlet, an attaching flange on the other end of said carburetor body portion opposite the air inlet, and an upwardly bent elbow connected with

in, a reciprocating type prime mover operatively connected to said drive shaft for effecting rotation of said shaft, a first unbalanced flywheel rigidly secured to said shaft, a second unbalanced flywheel rotatably secured on said shaft, means

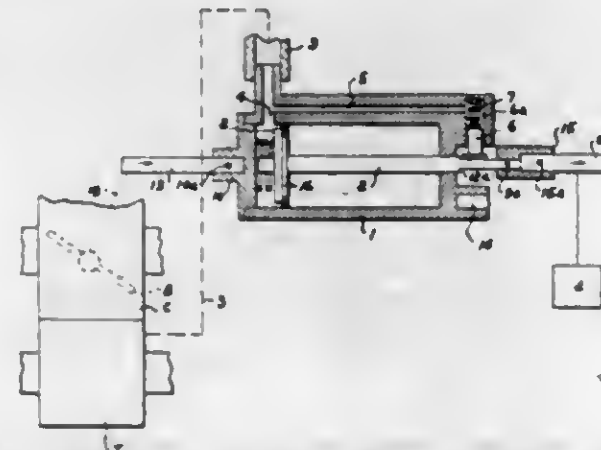


secured to said shaft and said second flywheel selectively rotating said second flywheel in an opposite direction to the normal rotation of said first flywheel, said housing adapted to have a tool secured thereto and extending downwardly therefrom.

2,627,850

VACUUM CONTROLLING DEVICE FOR AN ENGINE CARBURETOR

Raymond Willim, Detroit, Mich.
Application April 21, 1951, Serial No. 222,193
4 Claims. (Cl. 123-103)



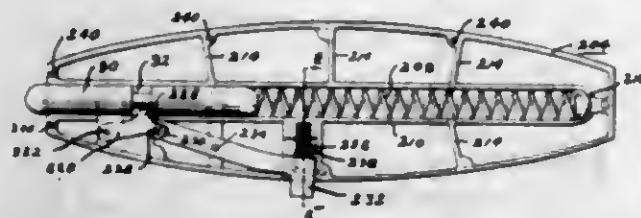
1. A vacuum control for an engine having an intake manifold and a carburetor with a valve for supplying a controlled fuel mixture therein, a longitudinally movable operating rod joined at one end to said valve, a cylinder joined to said rod at its other end, a piston movable within said cylinder, a longitudinally reciprocable accelerator arm joined to said piston, an outlet passage at one end of said cylinder, a conduit interconnecting said passage and said intake manifold, a spring loaded plunger slidable within said cylinder at right angles to said arm and retainingly engageable therewith for interconnecting said arm and said cylinder for movement in unison, and a second passage in said cylinder connected at one end with said outlet passage and at its other end with said plunger for effecting a withdrawing movement of said plunger after the engine is operating.

the last mentioned flange and adapted for attachment to an engine cylinder at least partially overlying the carburetor and depending fuel tank structures.

2,627,853

TOY TORPEDO LAUNCHER

Edward W. Koepnick, Dayton, Ohio
Application October 18, 1947, Serial No. 780,650
3 Claims. (Cl. 124-26)

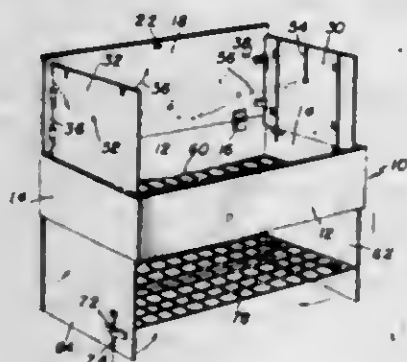


1. A toy torpedo launching device comprising in combination, a first molded plastic element simulating the lower half of a submarine and having a semi-circular channel formed in its upper surface extending substantially along the longitudinal axis of the element, a second molded plastic element simulating the upper half of a submarine and having a semi-circular channel in its lower side complementary to said first named semi-circular channel and forming with said first named channel a torpedo tube, a sear, means pivotally supporting said sear adjacent said tube with a portion of the sear adapted to project into said tube for engagement with a toy torpedo, a trigger element pivotally supported between said molded elements and having one end arranged in engagement with said sear and having its other end projecting to the outside of said submarine, and a spring disposed within said tube and having an end held within a recess formed in one of said plastic elements, said means for pivotally supporting said sear being located forwardly from the point of contact between the sear and the torpedo.

2,627,854

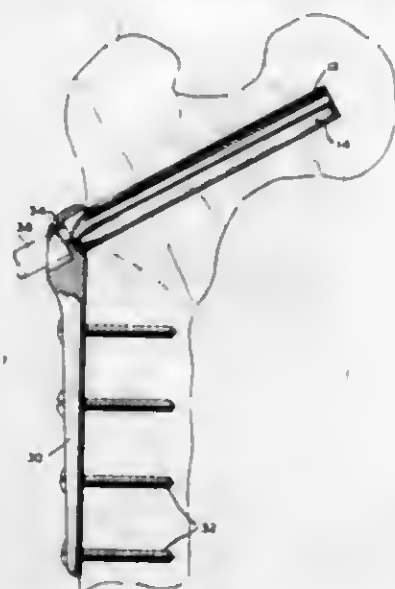
PORTABLE GRILLE

Sal J. Sava, Port Chester, N. Y.
Application September 21, 1948, Serial No. 50,374
4 Claims. (Cl. 126-25)



3. A portable folding camp stove comprising a rectangular main section having parallel side and end walls, a cover for said main section hinged to the upper edge of one of said side walls and pivotal into alignment with said side wall to form a back wall, end panels hingedly connected to said cover and swingable to form side walls for said stove, bolt keepers on said end walls of said main section, rods received in said keepers and having hooks on the upper ends thereof overlying the upper edge of said end panels to limit downward movement of said rods, and bracket hooks on said rods opposite said panel engaging hooks, and a grill supported on said bracket hooks.

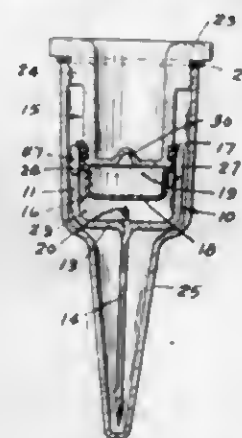
2,627,855
FRACTURE NAIL AND BONE PLATE
James W. Price, Roanoke, Va.
Application April 7, 1950, Serial No. 154,645
5 Claims. (Cl. 128-92)



4. The combination of a fracture nail and a bone plate; the fracture nail having longitudinal flanges and a head, said head having a nut protruding therefrom; the bone plate having a head provided with a shelf at an angle to the axis of said plate, and an aperture in said shelf adapted to be circumjacent to the said nut.

2,627,856
SYRINGE

Nell S. Waterman, Tarrytown, N. Y.
Application April 26, 1951, Serial No. 223,053
6 Claims. (Cl. 128-218)



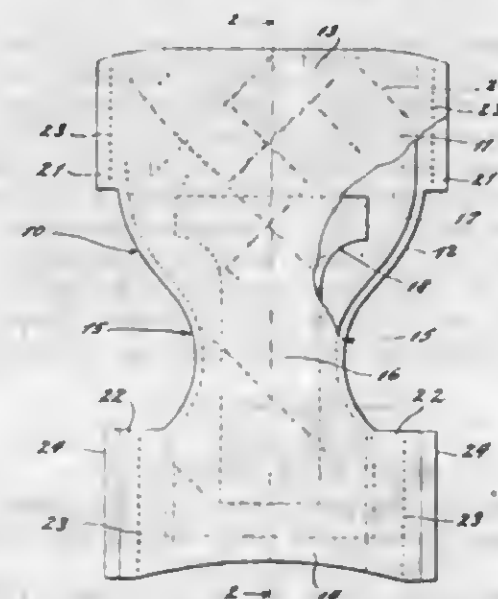
1. A syringe, comprising a cylindrical body having side walls, an open top, a closed bottom and a hollow needle mounted through said closed bottom, a plunger slidably mounted in said cylindrical body and normally positioned in the top of said body, a resilient seal having an edge portion mounted around the bottom portion of said plunger and engaging against the inner face of said body for forming a liquid seal between said plunger and body, said seal having a bottom portion extending across the bottom of said plunger for holding a quantity of liquid against the bottom of said plunger, said bottom portion of said seal being adapted to be pierced on the top end of said needle when said plunger is moved downwards in order that said quantity of liquid may be forced out from the bottom of said needle when said plunger is moved downwards, said body and plunger being transparent, and said side walls of said body having in their top portions openings which extend below said plunger when said plunger is in its initial raised position.

2,627,857
SYRINGE HOLDER
Attilio Marcelli, Plainview, Ill.
Application July 21, 1949, Serial No. 106,036
10 Claims. (Cl. 128-218)



1. A holder for hypodermic syringes comprising an elongated tubular portion for receiving the barrel of the syringe, a support arm swingably mounted on the outer face of said tubular portion, a measuring arm in outwardly spaced relation to the syringe barrel mounted on said support arm for relative positionment with respect thereto, said measuring arm projecting at one end beyond the support arm, the projecting end of said measuring arm being provided with a transversely inwardly extending section for engagement with the head of the syringe plunger to limit the inward movement thereof for expulsion of air and excess material whereby the desired quantity will remain in the barrel, and means for maintaining said measuring arm in any selected position relative to the support arm.

2,627,858
DISPOSABLE DIAPER
Margaret E. Miller, New York, N. Y.
Application November 3, 1950, Serial No. 193,774
9 Claims. (Cl. 128-287)



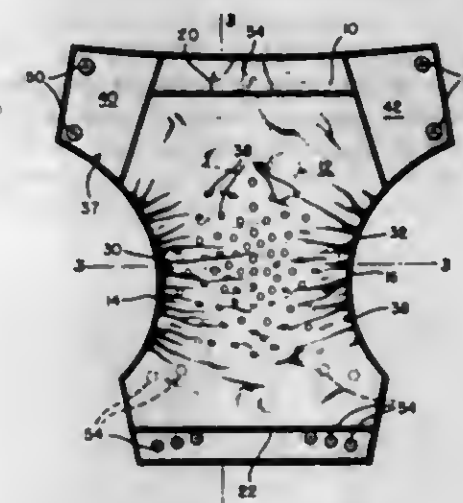
9. In a disposable diaper, the combination of an outer sheet of water-repellant paper, an inner

sheet of water-absorbent paper, said water-absorbent paper being of a type having strength when wet, said inner and outer sheets being secured together along their sides and being shaped to form a front portion and a back portion connected by a crotch portion of reduced width, a filler of absorbent cellulose material located between said inner and outer sheets, creases along intersecting lines extending across the surface of at least one of the sheets and through the filler, said creases dividing the filler into a plurality of moisture-retaining cells and securing means extending outwardly from opposite sides of the front and back portions formed by the inner and outer sheets.

2,627,859

DIAPER PANTS

Arthur P. Hargrave, Kirkland, Wash., assignor to Tot-Lines, Inc., Kirkland, Wash.
Application April 25, 1952, Serial No. 284,329
5 Claims. (Cl. 128-287)



1. A diaper pant, comprising: an outer cover member formed of an elongated sheet with a major portion of its sides concavely curved; an inner liner, positioned inside of said cover member, formed of an elongated sheet with a major portion of its side concavely curved, said liner being shorter than said cover member and having its end edges spaced from the end edges of said cover member and free from said cover member, whereby an elongated diaper pad may rest on said inner liner with its ends inserted between said liner and cover member, the central portion of said liner being substantially the same size as the central portion of said cover member, said cover member and said liner having their concavely curved sides in said central portions gathered and fixedly secured together in a substantially moisture-proof manner forming a pouch of considerable extent, said liner having a multiplicity of perforations therethrough in the area of said pouch permitting moisture to pass therethrough to said cover member; said cover member and liner being formed of flexible, moisture-proof material; and fastening means in the corners of said cover member for fastening said pant about the lower body and thighs of an infant.

2,627,860
HAIRPIN SPREADING DEVICE
Mechell F. Harris, Kansas City, Mo.
Application September 3, 1949, Serial No. 113,930
5 Claims. (Cl. 132-1)

3. A hairpin spreading device for use in combination with a hairpin comprising a length of

resilient material rebent intermediate its ends to form legs resiliently urged together comprising a holder adapted to be supported on any solid surface, said holder including a vertically disposed planar wall having a horizontal upper



edge and means for supporting said wall, and a spreader member having a wedge-shaped upper portion and having its lower portion slotted and fitting slidably over the upper edge portion of said wall.

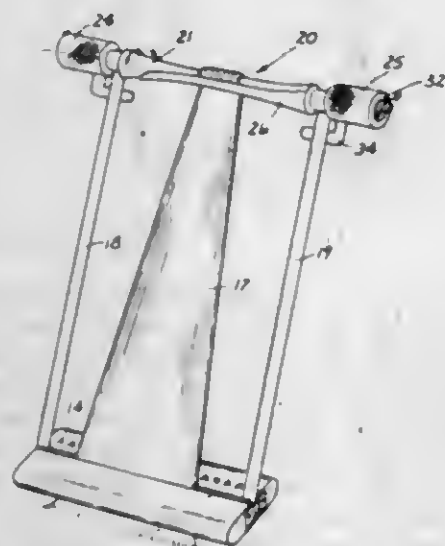
2,627,861

HAIR-WAVING DEVICE

Ferroid H. Peyton, Carbondale, Ill.

Application September 9, 1950, Serial No. 183,999

9 Claims. (Cl. 132-34)



1. In a hair-waving device the combination including a hair clamp; a spool adapted to receive a hair strand; flexible ribbon-like members connecting said clamp and said spool, and adapted to be wound around said spool thereby drawing said spool toward said clamp and spring means secured to said spool and biasing said spool against said flexible members to revolve said spool thereby winding said ribbon-like members around said spool and at the same time winding said hair strand around said spool said spring means being adapted to be tensioned by the rotation of said spool as the spool is moved away from said hair clamp.

2,627,862

CRANKCASE FLUSHER

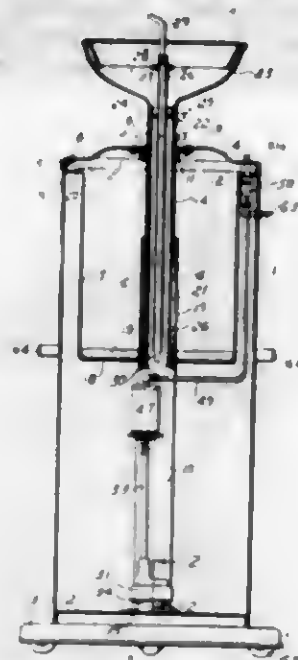
Clarence F. Hoerner, Dayton, Ohio

Application February 26, 1946, Serial No. 650,258

4 Claims. (Cl. 134-99)

1. In a crank case flusher, a container for a flushing liquid, an outlet from the container, a pump in the container for forcing the liquid

through the outlet, an air motor in the container for operating the pump, a source of air, and



means to connect the air to the motor or the outlet.

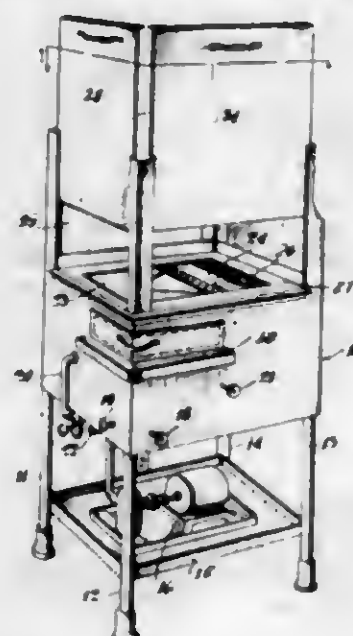
2,627,863

DISHWASHER AND ARTICLE INTERCEPTING DRAWER THEREFOR

Mario Cavicchioni, New York, N. Y.

Application June 7, 1947, Serial No. 753,255

5 Claims. (Cl. 134-104)



1. The combination with a dish and like washing machine having a spray chamber, the improvement comprising a polygonal shaped catch drawer diagonally insertible into said machine and disposed below the spray chamber of said machine, a normally downwardly tiltable tray forming the floor of the drawer adapted to move relatively of said drawer, and a perforated member fitting into the drawer adapted to hold cutlery therein that may have been washed down from the spray chamber during the use of said machine.

2,627,864

MAT FOR TENTS

Edward D. Barker, New Carlisle, Ohio

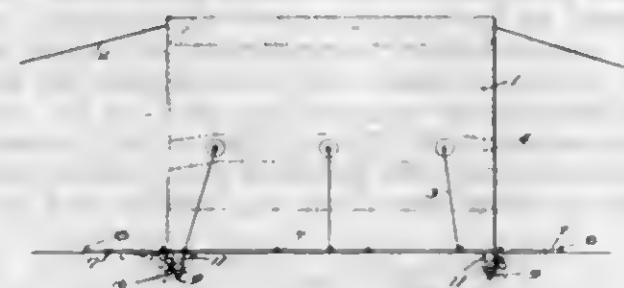
Application February 8, 1951, Serial No. 210,043

4 Claims. (Cl. 135-1)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A flexible floor for tents including a strip of fabric provided with pole-receiving apertures,

means for preventing the passage of currents of air up through said apertures, said means includ-



ing a flexible sleeve or pocket encircling each aperture and depending therefrom.

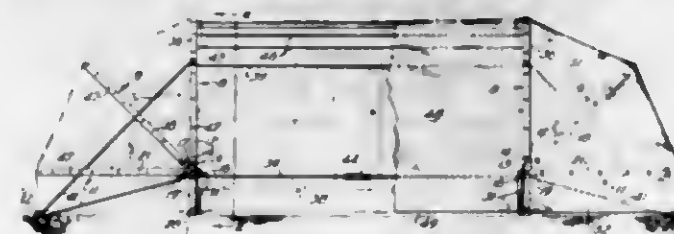
2,627,865

PORTABLE SHELTER FOR AUTOMOBILES

Samuel Mitchell and Adam Guldry, Vallejo, Calif.

Application January 12, 1950, Serial No. 138,198

8 Claims. (Cl. 135-4)



1. A portable shelter for automobiles and the like comprising demountable relatively spaced ground-engaging main frames of normally U-shaped form disposed intermediate the ends of and straddling said automobile, correspondingly shaped bow frames carried by said main frames and extending therefrom to overlie extreme end portions of said automobile, guy members interconnecting certain of said frames and the ground for fixedly positioning the main frames relative to each other and to the ground, and sections of sheet material overlying and secured to said main and bow frames and covering said automobile.

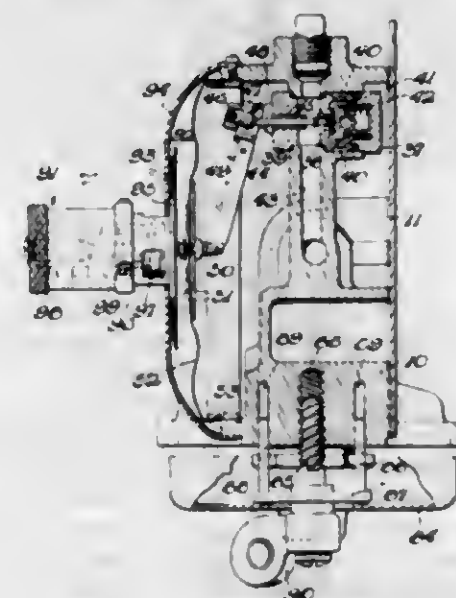
2,627,866

DEMAND REGULATOR

Bradford B. Holmes, New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application April 6, 1943, Serial No. 482,016

24 Claims. (Cl. 137-64)



9. In a demand regulator adapted for use on aircraft traversing a wide range of altitudes, the

combination comprising a casing having an inlet adapted for connection with a source of oxygen and an outlet, a mixture chamber within said casing, flow inducing means communicating with said chamber and said outlet, a demand valve for controlling oxygen flow through said inducing means, a diaphragm responsive to differential pressure from without and within said casing, means operatively connected with said diaphragm for actuating said demand valve, means for regulating admission of air to said mixture chamber, means for providing a positive flow of oxygen through said flow inducing means comprising spring means normally out of contact with said diaphragm but adapted to be placed in association therewith for exerting yielding pressure on said diaphragm to unseat said oxygen demand valve when due to increased altitude the differential pressure on said diaphragm is insufficient to do so, and means for rendering said spring means effective for association with said diaphragm.

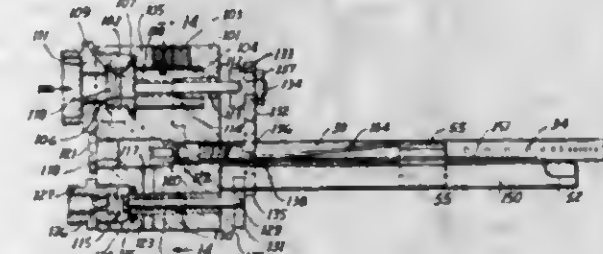
2,627,867

SAFETY PILOT CONTROL

Henry F. Schoenfeld, Cleveland, and Raymond J. Smithisier, Kirtland Township, Lake County, Ohio, assignors, by mesne assignments, to The Ajax Thermostatic Controls Company, Gates Mills, Ohio, a corporation of Ohio

Application September 22, 1948, Serial No. 50,628

10 Claims. (Cl. 137-65)



7. A control for a gas burner comprising a valve body provided with a plurality of functionally independent valves, each of said valves alternately permitting and preventing flow through the valve body; a post rigidly mounted on the valve body; a relatively expansible element of elongated form one end of which is supported from the post and the other end of which is unsupported, such unsupported end being located in proximity to but spaced from the valve body; a relatively inexpandible element attached to the expansible element at a plurality of widely separated points one of which is near the unsupported end of the expansible element; and, mechanically connected to each of the valves in the valve body, a manually movable latching member located in the space between the valve body and the expansible element, the unsupported end of the expansible element having a coacting portion serving as a detent for said manually movable latching member.

2,627,868

HYDRAULIC VENT VALVE

Clarence H. Runnels, Nashville, Tenn.

Application September 7, 1950, Serial No. 183,631

5 Claims. (Cl. 137-198)

1. In a vent valve: a valve body having a vertically extending cylindrical cavity, said body being formed with a port at each end opening axially into said cavity, said cavity being formed at each end with a conical valve seat surrounding said ports, and an elongated generally cylin-

drical valve member in said cavity movable from engagement with one of the valve seats into engagement with the other valve seat, said mem-

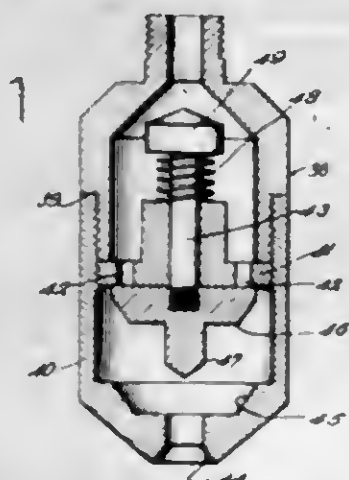


ber being hollow and having rounded ends to engage said seat and being of smaller diameter than said cavity.

2,627,869

AUTOMATIC DRAIN VALVE FOR AIR LINES

Edward J. Whalen, North Providence, R. I.
Original application October 18, 1944, Serial No. 559,292. Divided and this application December 15, 1950, Serial No. 200,932
2 Claims. (Cl. 137-204)



1. An automatic drain for connection to a compressed air line and comprising a valve housing formed of threadedly connected sections and having a bottom drain port therein, a valve guide having ports therein and being threaded in one of the sections and dividing the housing diametrically, a disk valve slidably mounted in said guide for engagement therewith to close the ports therein and under influence of air pressure in the line to seat against said bottom and close the bottom drain port, and spring means for sliding the valve away from said bottom into engagement with said guide to open said bottom port and close the ports in said guide.

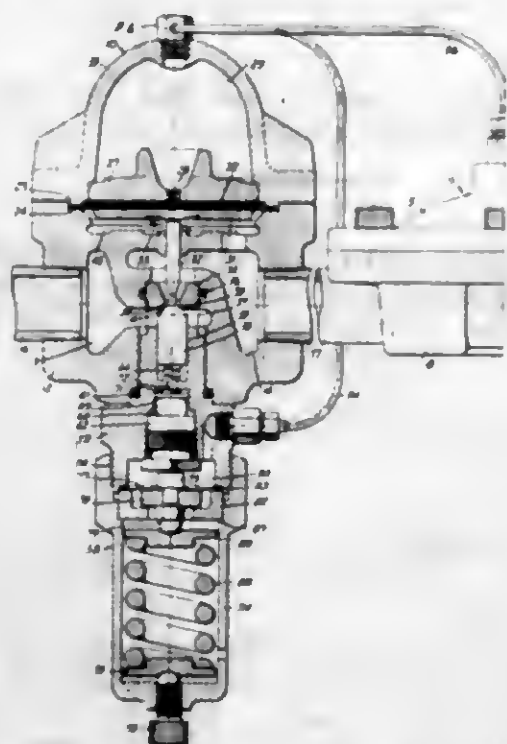
2,627,870

FLUID FLOW CONTROL APPARATUS

Marvin H. Grove, Piedmont, and Austin U. Bryant, Berkeley, Calif., assignors, by mesne assignments, to Grove Regulator Company, a corporation of California
Application April 2, 1945, Serial No. 586,136
2 Claims. (Cl. 137-505)

1. In fluid flow control apparatus, a pressure reducing regulator having an inlet adapted for connection with a source of fluid under pressure and an outlet adapted for connection with a low pressure system, said pressure reducing regulator having a fluid operated diaphragm and means forming a space on one side of the diaphragm adapted to receive gas under pressure to load the

diaphragm, the regulator serving to maintain an outlet pressure slightly less than the gas loading pressure, a pressure relief valve having an inlet connected to the outlet side of the pressure reducing regulator, said pressure relief valve including a fluid pressure operated diaphragm and means forming a space on one side of the diaphragm adapted to receive gas under pressure to load the same, said pressure relief valve being adapted to vent gas from the outlet and thus

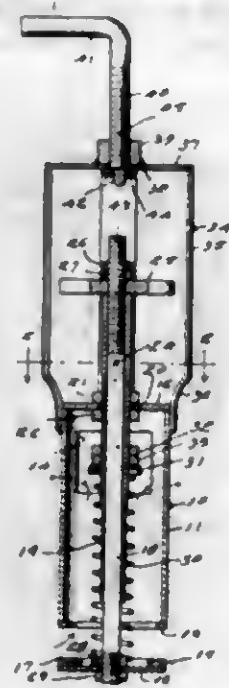


relieve pressure responsive to an outlet pressure in excess of the loading pressure upon the last named diaphragm, said spaces being in free intercommunication whereby the loading gas pressures upon said diaphragms are the same at all times, and means enabling an increase or a decrease in gas loading pressure whereby the settings of both said pressure reducing regulator and said pressure relief valve are altered simultaneously.

2,627,871

DRAIN AND FLUSH VALVE

Keith M. Adair, Eugene, Oreg.
Application April 3, 1950, Serial No. 153,747
1 Claim. (Cl. 137-517)



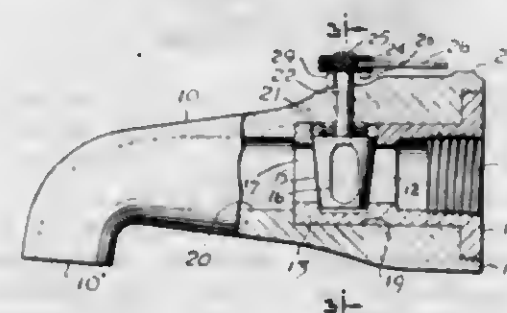
A drain valve structure for use in an irrigation system, comprising a tubular housing hav-

ing an inlet opening at one end and an apertured closure at the other end insertible in a pipe of said system, said housing having an outlet in the side wall thereof adapted to be positioned exteriorly of said pipe, a valve disc for closing said inlet opening, a valve stem secured to said disc and extending through said housing, a tubular guide extending through the aperture in said closure surrounding said stem, a washer on said guide, a coil spring surrounding said stem positioned between said washer and said disc biasing said disc toward open position, a central wheel threadedly engaging said stem and biased into engagement with the top of said guide by said spring, rotation of said wheel varying the relative position of said stem and guide to vary the compression of said spring, uprights extending from said housing, an apertured disc supported by said uprights, a nut secured to said disc, a bolt threaded through said nut and engageable with said valve stem for manual opening thereof, and an operating handle for said bolt.

2,627,872

VALVED PLUMBING FITTING

Henry Gruen, New York, N. Y.
Application April 19, 1951, Serial No. 221,920
5 Claims. (Cl. 137-556)



1. A fitting for the supply of water from a supply pipe to a bathtub and to a shower fitting or attachment, comprising a water spout casing, an inner bushing fitted in the inlet end of the casing, a screw threaded socket in said bushing for the reception of the water supply pipe, aligned ports in the bushing, a tapered plug mounted in said bushing between said ports, a passage in said plug capable of alignment with said ports, a stem extending through the wall of the spout casing and attached to said plug and preventing relative movement of the said casing and bushing, an operating device attached to the outer end of said stem, means for indicating when said stem and plug are in position to prevent the passage of water through the spout, means for limiting the rotary movement of said plug and spring means between the end of the plug and the spout casing to hold the plug tightly in position.

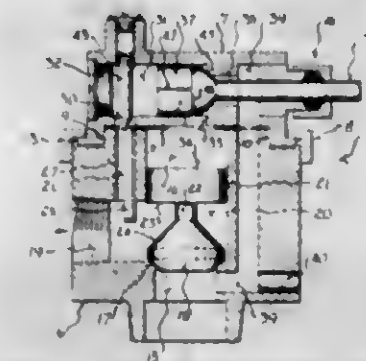
2,627,873

FLUSH VALVE

Edward F. Bothe, Union City, N. J.
Application June 20, 1949, Serial No. 100,253
2 Claims. (Cl. 137-652)

1. In a flush valve of the type having a body provided with inlet and outlet passages opening into an upright main valve chamber, and a vertically movable main valve in said main valve chamber movable upwardly by the pressure of fluid in the inlet passage from a valve closed position to a valve open position communicating the inlet and outlet passages, said body having branch passages one of which communicates with the inlet passage and the other with the outlet

passage: means on the body defining a cylinder-like release valve chamber communicated at one end with the inlet branch passage, the outlet branch passage communicating with the opposite end of the release valve chamber, coaxially thereof; means on the body providing a communicating passageway between the upper end of the main valve chamber and the cylinder-like release valve chamber at a location remote from the inlet end of said release valve chamber; a piston provided a release valve at all times entirely within the release valve chamber and slidably fitting the same, said piston at all times being free to move in its chamber in response to the pressure of fluid in the inlet end thereof toward said opposite end of the release valve chamber to a normally inoperative position closing off the outlet branch passage from the release valve

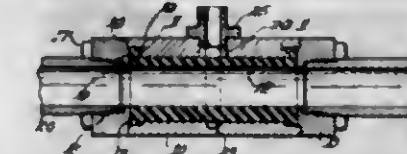


chamber and the upper end of the main valve chamber; means on said piston providing a restricted by-pass around the piston in said inoperative position thereof, said by-pass leading from the inlet end of the release valve chamber to the upper end of the main valve chamber through said communicating passageway so that the main valve will be held down in its valve closed position by the pressure of fluid above the main valve; and means for manually moving said piston toward the inlet end of said release valve chamber to an operative main valve releasing position simultaneously closing off communication between the inlet end of the release valve chamber and the upper end of the main valve chamber and establishing communication between the upper end of the main valve chamber and the outlet branch passage.

2,627,874

HYDRAULICALLY OPERATED REINFORCED COLLAPSIBLE VALVE

Richard S. Johnson, Racine, Wis.
Application September 20, 1945, Serial No. 617,517
3 Claims. (Cl. 137-688)

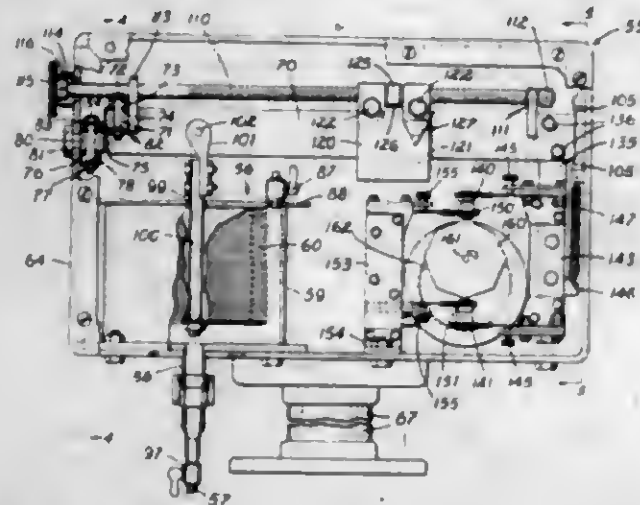


1. A valve comprising a rigid body portion having a bore of uniform diameter and a plurality of circumferentially spaced longitudinal grooves in the inner wall of said bore, a tubular valve lining of flexible liquid-imperious material in said bore and being sealed at its ends with respect to the body portion, said lining having a like plurality of external longitudinal ribs each fitted into one of said grooves, and a passage leading interiorly of said bore and extending around said lining to communicate hydraulic pressure to the exterior surface of said lining for compressing the same to close off passage of fluid therethrough.

2,627,875

CONDITION RESPONSIVE VALVE CONTROL CIRCUIT

Stephen A. Staeger, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application February 12, 1948, Serial No. 7,761-14 Claims. (Cl. 137-723)

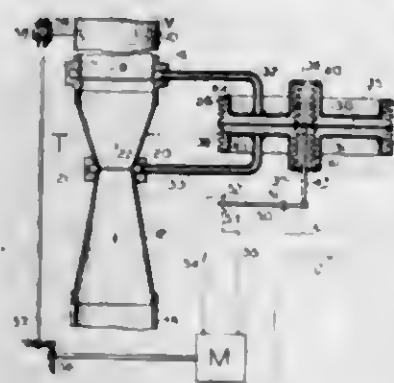


10. A control device for maintaining a pressure condition within predetermined limits by intermittent operation of control apparatus for regulating said condition including a control circuit, said device comprising a frame, a pair of relatively movable complementary contact members controlling said circuit, means on said frame for causing one of said contact members to oscillate in a periodic cycle composed of a plurality of low and high points, said high points in said cycle being of progressively different relative heights, means for sensing changes in said pressure condition including a part supported on said frame for movement in response to such pressure change, said other contact member being carried by said movable part for movement therewith towards and away from said oscillating contact member in response to changes in said pressure condition, and adjustable means for establishing a neutral position of said sensing means and said movable part maintaining said contact members out of contact when said pressure condition is within said predetermined limits.

2,627,876

VENTURI CONTROL FOR LIQUID FLOW

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application June 6, 1950, Serial No. 166,511
3 Claims. (Cl. 137-780)



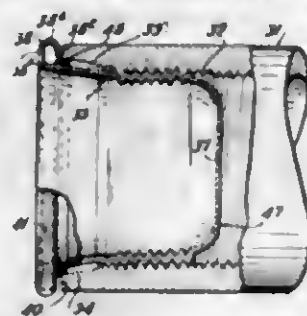
1. Apparatus displaceable by differential liquid pressures and comprising a diaphragm disc, upper and lower casing members providing a closed

compartment at each side of said disc, said casing members each having a substantially raised edge portion and an outwardly extending middle portion substantially spaced from said edge portion, separate bellows members sealed to said disc and to the raised edge portion of each casing member, separate bellows members sealed to said disc and to the outer end of the middle portion of each casing member, means to supply liquids under differential pressures to said closed compartments, which liquids are effective to bodily displace said diaphragm disc, and a control member fixed to said disc and movable therewith.

2,627,877

THREAD PROTECTOR

Stanley L. Phillips, Parkview Village, Cleveland, Ohio, assignor to Wedge Protectors, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 8, 1950, Serial No. 160,495
2 Claims. (Cl. 138-96)

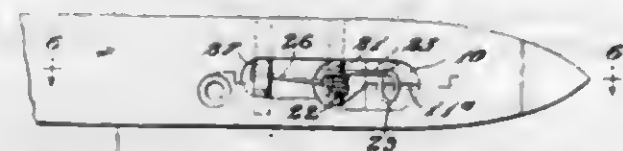


1. A thread protector for application to a hollow member having an internal thread and also having an internal annular chamfer at its outer end comprising, a sheet metal body having a sleeve portion adapted to enter said hollow member, means carried by said sleeve portion and engageable with said thread for holding the protector in connected relation with said member, the sheet metal at the outer end of said sleeve portion extending in an outwardly and reversely curved relation defining a substantially radially outwardly offset hollow annular rim adapted for seating engagement with the outer end of said member, said hollow annular rim carrying an annular flange defined by the extreme end portion of the sheet metal of the body constituting the protector and said flange extending around said sleeve portion in an axially inwardly converging relation so as to form a tapered annular seat engageable with the internal annular chamfer of said member.

2,627,878

YARN TAKE-UP AND TENSIONING DEVICE FOR HAND-THREADED WEAVING SHUTTLES

Wilfrid J. Gosselin, Methuen, Mass., assignor to U S Bobbin & Shuttle Company, Lawrence, Mass., a corporation of Rhode Island
Application November 3, 1949, Serial No. 125,257
7 Claims. (Cl. 139-212)



1. In combination in a weaving shuttle of the hand-threading type having a body provided with a thread guide passage extending forwardly from a bobbin chamber and through a tensioning chamber, a lateral yarn delivery eye in one side wall of the shuttle body, a take-up chamber within the body of the shuttle, forwardly of the

tensioning chamber, and a vertical threading slot formed in the body of the shuttle and which leads forwardly from the tensioning chamber and then diverges toward that wall of the shuttle having the delivery eye, the threading slot extending down through the ceiling of the take-up chamber, a take-up arm located within said chamber and in a horizontal plane which is below a yarn extending forwardly from the thread guide passage into the threading slot, the take-up arm being pivoted to swing about a vertical axis located forwardly of the rear end of the threading slot, the arm having a yarn guide eye adjacent to its free end and having a yarn-catching element which extends above the horizontal plane of the take-up arm, proper, means to which manual force may be applied for moving the arm preparatory to threading so that it temporarily extends across but below the vertical threading slot and with its yarn-catching element positioned closely adjacent to the delivery eye so that yarn, moving downwardly into the take-up chamber from the threading slot, extends transversely of the arm and contacts the arm at a distance from the yarn-catching element, and spring means normally holding the arm in a position such that neither the arm, its guide eye nor the yarn-catching element is in the path of yarn moving downwardly into the take-up chamber from the threading slot, the spring means being operative, when such manual force is released, to move the arm so that a yarn which has dropped onto it from the threading slot is engaged by the yarn-catching element and delivered into the guide eye at the free end of the arm.

2,627,879

DOBBY PATTERN CHAIN CYLINDER

William E. Lundgren, Sharon, Mass.
Application February 7, 1950, Serial No. 142,804
12 Claims. (Cl. 139-330)



5. In a loom dobby, the combination therewith of a fabricated dobby pattern cylinder for a dobby chain incorporating linked bars, comprising a main cylinder member having outwardly opening chain bar receiving grooves in its periphery, and a pair of end members one at each end of said cylinder member and connected thereto for rotative movement in unison therewith, said end members each having outwardly opening recesses in its periphery aligned with the chain bar receiving grooves in said cylinder member to receive and support the ends of the chain bars when the latter are received by chain bar receiving grooves in said cylinder member.

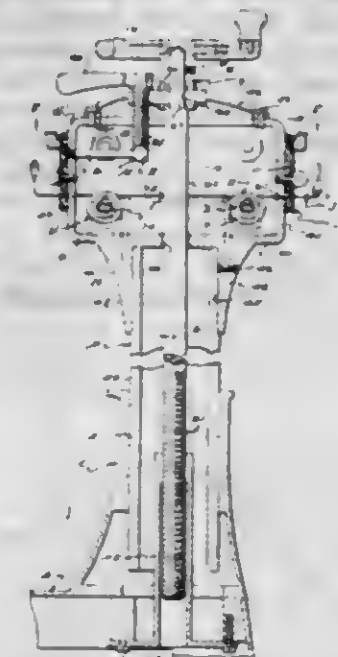
2,627,880

ARM MOUNTING FOR TOOL OPERATING MOTORS

Arthur C. Johnson, San Marino, Calif.
Application May 19, 1950, Serial No. 162,944
1 Claim. (Cl. 143-6)

A post head carrying an arm and including, a box-shaped body having apertured vertical side walls passing the arm, a bottom integral with the walls, and a detachable top, a post-receiving collar integral with and depending from the bottom,

a plurality of sets of rollers supported in the body and carrying the arm for reciprocation, and a lock for the arm including a lock shoe in the

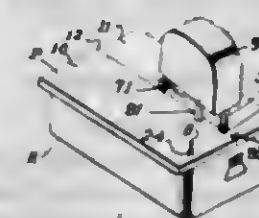


body carried by one of the walls and engaging the arm and an operating screw threaded to the top of the body and operating the shoe.

2,627,881

BAND SAW AND GUIDE THEREFOR

Ralph J. Houtte, North Andover, and Russell E. Schwarzenberg, Methuen, Mass.
Application July 18, 1949, Serial No. 105,330
1 Claim. (Cl. 143-17)



In a band saw having a work platform; a lower pulley for the band saw blade located below the work platform and an upright cylindrical post projecting above the platform; the combination of an horizontal arm with an inverted cylindrical socket fitting around the upper portion of the post; a threaded member, adapted to raise and lower said horizontal arm on said post, projecting downwardly from the base of the socket and in threaded engagement with a first recess in the top of the post; a rod projecting downwardly from the socket base and in sliding engagement with a second recess in the top of the post; an upper pulley for the band saw blade revolvably mounted intermediate of said horizontal arm above the lower pulley; an adjustable clamp at the free end of said horizontal arm; a vertical arm mounted in said clamp, and a pair of band saw guide rollers, mounted at the lowermost end of said vertical arm, at least one of said rollers contacting the work platform when said horizontal arm is in its lower position on said post.

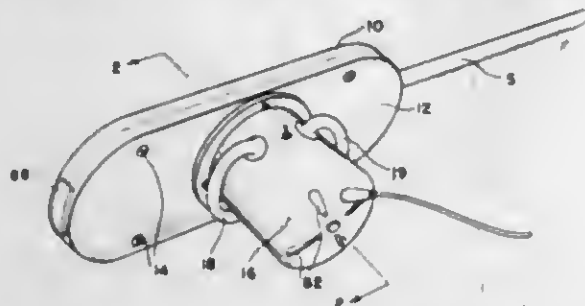
2,627,882

POWER-DRIVEN RECIPROCATING SAW

Ben Kleinsmith, Seattle, Wash.
Application September 13, 1948, Serial No. 49,001
2 Claims. (Cl. 143-68)

2. A power operated reciprocating saw, comprising: a saw blade; an electric motor having

a power shaft; a housing having a blade receiving opening in each end thereof; two guideways spaced apart one from another and positioned in said housing; a slide disposed between said guideways to move longitudinally of said housing; said electric motor being mounted on one face of said housing with said power shaft normal to said slide; an eccentric mounted on said power shaft; said slide having an opening therein and said eccentric being positioned in said opening to move said slide; said slide having a slot in each end to receive and secure the inner end of said saw blade at either end of said housing, there being inwardly directed lugs

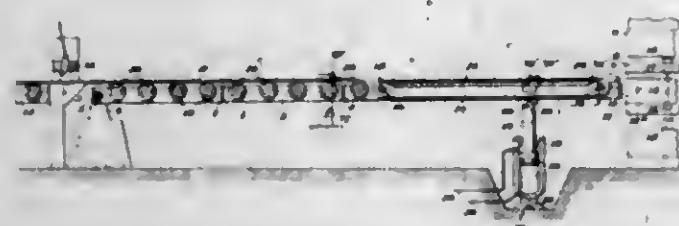


at either side of each of said slots and said saw blade having matching notches in its sides to engage said lugs, said slots having portions extending at an angle to the longitudinal axis of said housing permitting twisting of said saw blade in said slots for removal and insertion of the same; resilient means for urging said saw blade to assume a position in said slots aligned with the longitudinal axis of said housing; a fan powered by said motor and discharging air through said housing and out of said end openings therein; and the face of said housing opposite said electric motor being substantially flat and parallel to the plane of said saw blade and spaced closely thereto.

2,627,883

CONTINUOUS PLYWOOD PRESS APPARATUS
John J. Littley, Havertown, Pa., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania

Application May 29, 1948, Serial No. 29,990
1 Claim. (Cl. 144-281)

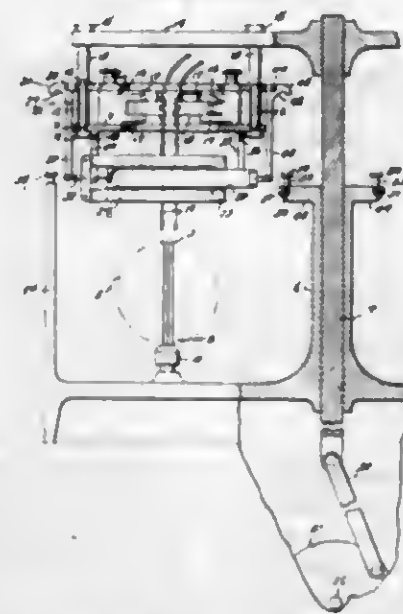


Pressing apparatus comprising, in combination, a multiple-opening platen press, means for opening one set of platens while closing another set and vice versa, means for supplying a single continuous strip of material which moves at a substantially constant rate, means for cutting the material into sections, conveyor means for accelerating the movement of each cut-off section as it approaches the press, the delivery end of the accelerating conveyor being immediately adjacent said platens to deliver the sections alternately into the platen openings, shifting means for causing the accelerating conveyor to be moved alternately from a closed set of platens to an open set, and means for controlling said accelerating conveyor automatically in accordance with the position of the accelerating conveyor and press platens so that during pressing of the material between the closed platens the open set

of platens may have an accelerated cut-off section inserted therein while allowing the continuous strip of material to continue to travel at its constant rate, said accelerating conveyor for speeding each cut-off section towards and into the press openings at a rate faster than that of the material strip consisting of a conveyor table, one end of which is pivoted, and the other end being in engagement with and actuated by the shifting means, rotatable shafts transversely journaled in the conveyor table, pulleys affixed to the shafts, endless conveyor belts longitudinally disposed about pulleys on both shafts and positioned so that a portion of each section at the time of its severance from the material strip is in contact with the belts, means for rotating the shafts and belts in such direction as to convey each section in contact therewith towards and into a press opening, electrically-operated clutch means for causing the shafts and belts to ride free after accelerating each section into a press opening, and means controlled by an accelerating cut-off section of material during a predetermined position of its movement so as to control said clutch means to effect the free riding of said belts.

2,627,884

APPARATUS FOR THE SUPPORT AND SECTIONIZING OF CITRUS FRUIT
Ralph Polk, Sr., and Ralph Polk, Jr., Tampa, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Application June 26, 1950, Serial No. 170,452
5 Claims. (Cl. 146-3)

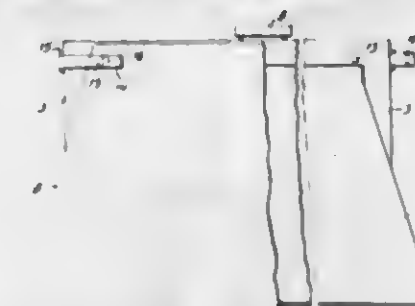


1. An apparatus for the sectionizing of citrus fruits in which the fruit is supported on a fork having tines extending through the apices of sections of the fruit, a supporting head, means for moving the supporting head axially with respect to the fork, slitting means supported by the supporting head and adapted to move vertically therewith and penetrate the fruit near the apices of sections as the head moves toward the fork, means for moving the slitting means outwardly along the section walls of the fruit to part the juice sacs therefrom, a sling for the support of the fruit around the outer surface substantially along a great circle perpendicular to the core of the fruit against the outward forces of the slitting means, said sling comprising a pair of flexible bands, supporting means connected to the ends of each band adapted to urge the ends of the bands in opposite directions whereby the bands engage the outer surface of the fruit during the slitting operation, opening means con-

nected to each of the bands near the center thereof, said opening means being resiliently actuated to hold the bands in an open position as the head moves axially towards the fork to space the sling from the fruit for positioning thereon, and quick acting means connected to the supporting means connected to the ends of the bands to overcome the force of the opening means and direct the bands against the fruit on substantial completion of the downward movement of the head.

2,627,885

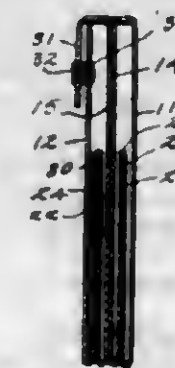
LADY'S HANDBAG
Sidney L. Cassell, New York, N. Y.
Application January 5, 1951, Serial No. 204,543
2 Claims. (Cl. 150-28)



1. A lady's handbag comprising a container open at the upper end to receive articles, a two-part frame attached to said open end, means for latching the parts of said frame together to close said handbag, a detachable cover for said handbag extending around the bottom and the two sides of said handbag, the ends of said cover terminating at said frame parts respectively, and means for detachably securing said ends to said frame including eyes in said cover and pins on said frame parts, said pins extending into said eyes, a pair of latches on each end of said frame and cooperating with said pins, said latches being pivoted to said frame parts, said latches having arms extending into contact with said pins, and keepers having cam faces on said arms for resiliently engaging the sides of said pins.

2,627,886

WALLET
Frank A. Barnes, Butte, Mont.
Application November 21, 1951, Serial No. 257,490
1 Claim. (Cl. 150-38)



A billfold comprising a pair of rectangular outer walls connected together by a longitudinal fold, a pair of inner walls connected integrally with said outer walls by a longitudinal fold, said inner walls confronting said outer walls, a triangular tab carried by each outer wall extending upwardly between adjacent inner and outer walls, a second triangular tab of a corresponding size carried by each inner wall extending upwardly from

2,627,887

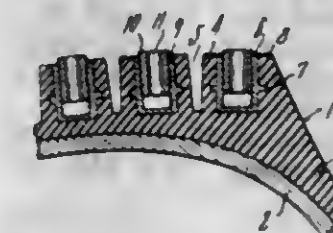
VIOLIN CASE COVER
Brony Becker, New York, N. Y.
Application June 20, 1949, Serial No. 100,122
5 Claims. (Cl. 150-52)



1. The combination of a cover for a violin case having a handle, said cover having a longitudinal opening at its top, a line of slide-fastener elements at each edge of said opening and fastener slides to close said opening beyond the ends of said handle; with a flap to close the opening under said handle, a slidable connection between said flap and case cover at one side of said opening to enable proper positioning of the flap beneath the handle and means for detachably securing the flap to the case at the opposite side of said opening.

2,627,888

TIRE TREAD HAVING ADJUSTABLE TRACTION DEVICE
Arthur W. Bull, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 28, 1950, Serial No. 141,004
2 Claims. (Cl. 152-210)



1. A tire having embedded in its tread surface inserts disposed substantially flush with the road-contacting surface of the tread, each of said inserts having a hollow central portion threaded on its interior wall, and having inserted therein a cylindrical traction element correspondingly threaded throughout its length on its outer surface, and having a hollow central portion adapted to receive an adjusting wrench for turning the traction element into or out of the insert to selectively position it at a desired height above the road-contacting surface of the tread irrespective of the amount said traction element has been worn away through use, and the said traction element being shorter than the interior of the insert so that the traction element may be turned completely within the insert and below the road-contacting surface of the tread, thereby rendering the traction element inoperative.

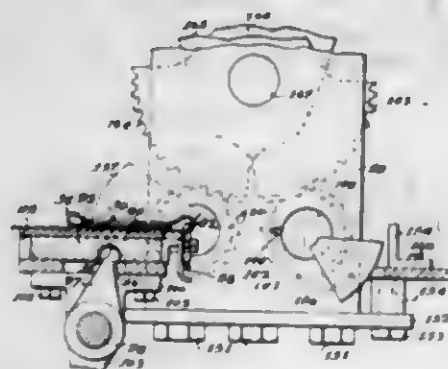
2,627,889

COTTON TIE BUCKLING MACHINE

John W. Morrison, Galena Park, Tex.

Application August 12, 1949, Serial No. 109,987

10 Claims. (Cl. 153-1)



1. A machine of the character disclosed for folding a cotton tie about an eye-buckle therefor comprising a loading dog for carrying the buckle into the receiving position, a retractable anvil arranged in lateral spaced relation with respect to said loading dog and having a rounded edge portion, a fixed anvil arranged adjacent the loading dog on the side opposite from said retractable anvil, said tie being inserted into the eye of the buckle adjacent the upper portion thereof and arranged on top of said fixed anvil and beneath said retractable anvil, first and second folding lugs disposed beneath said tie and having axes of rotation arranged respectively coincident with the axes of said rounded edge portion of the retractable anvil and said upper portion of the buckle, means operable in unit cycles for rotating said first and second lugs in predetermined sequential order and each through approximately 180° and back to first fold the tie about said retractable anvil and thereafter to fold the tie about said portion of the buckle thereby to secure the buckle to the tie, and means controlled by said unit cycle means for withdrawing said retractable anvil prior to the tie folding movement of said second lug.

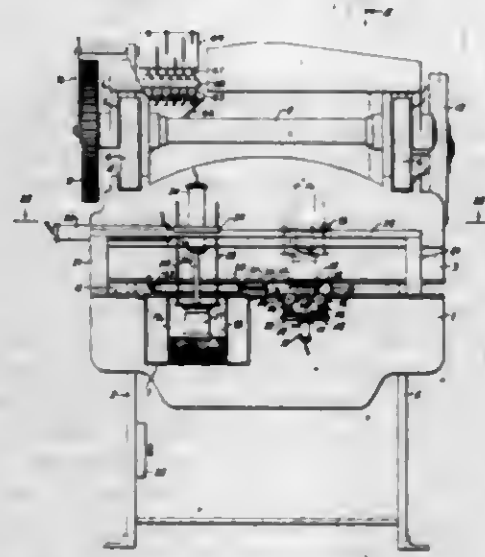
2,627,890

SHEET METAL BENDING APPARATUS

Thomas W. Lloyd and Donald W. Mason, Baltimore, Md., assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 12, 1952, Serial No. 271,164

12 Claims. (Cl. 153-21)



1. Sheet metal bending apparatus, comprising a lower die, tables on opposite sides of the die at

substantially the level of the top of the die for supporting a metal sheet on the die, a vertically movable upper die, means for reciprocating the upper die to bend the sheet between the dies, a stop behind the dies, feeding means in front of the dies for pushing a sheet back against said stop so that the front portion of the sheet will be bent by the dies, a gauge normally below the top of the table in front of the dies, means for periodically projecting said gauge above the table, and means for periodically moving said stop forward to push a bent sheet against said gauge so that the rear portion of the sheet will be bent by the dies.

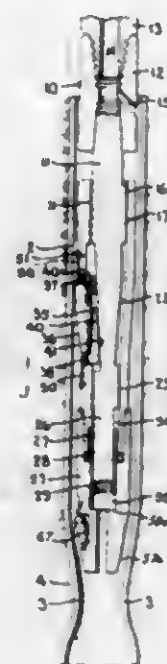
2,627,891

WELL PIPE EXPANDER

Paul B. Clark, Houston, Tex.

Application November 28, 1950, Serial No. 197,998

7 Claims. (Cl. 153-82)



1. A pipe expander for expanding collapsed areas of a pipe inside a well bore, comprising, a mandrel insertible in a well pipe and having a downwardly tapered expander portion intermediate its ends, a tubular sleeve surrounding said mandrel, a plurality of angularly spaced openings in the wall of the sleeve opposite said expander portion, pipe roller assemblies movably mounted in said openings and having longitudinal sliding engagement with said expander portion, whereby said roller assemblies are radially projectible from said openings by downward movement of the mandrel relative to the sleeve, longitudinally slidably engaged rotational drive connections between said mandrel and said sleeve above and below said expander portion, and means for connecting said mandrel to an operating member extending to the top of the well.

2,627,892

METHOD OF MAKING PLAY BALLS

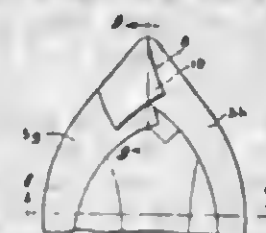
Frank Fenton, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio

Application March 13, 1947, Serial No. 734,484

14 Claims. (Cl. 154-16)

1. The method of making a ball of rubber and fabric, comprising providing an internal form about which the ball is built, laying a plurality of strips of rubberized fabric over the form with the ends of each strip extending across a pole,

slitting the strips transversely at the pole, and smoothing and shaping the wings formed by the



slitting operation in overlapping relation at the polar area.

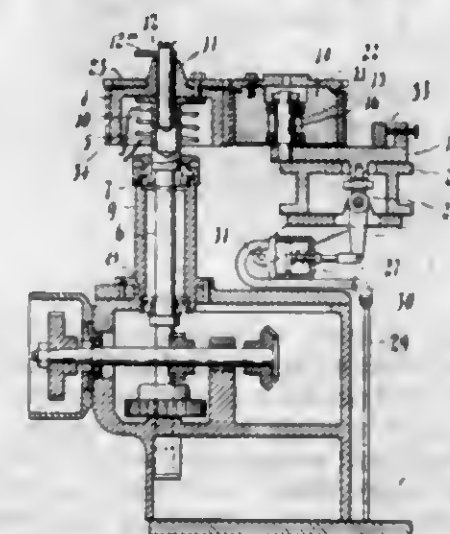
2,627,893

ROTARY SIDE HEAT SEALER FOR PACKAGES

Victor George Williams, Toronto, Ontario, Canada, assignor, by mesne assignments, to Delamere & Williams Company, Limited, Toronto, Ontario, Canada

Application December 26, 1947, Serial No. 793,945

3 Claims. (Cl. 154-42)



1. In a packaging machine of the character described, heat sealing means comprising a pair of cooperating rollers operatively connected together mounted with their axes in parallel relation and provided at spaced intervals around the cylindrical surface thereof with sealing ribs disposed in parallel relation to the axes of the rollers, for sealing engagement with the material advanced therebetween, means for rotating said rollers so that the ribs cooperate with each other during rotation of the rollers, one of said rollers being heated, the other roller being mounted for movement toward and away from said one roller, pneumatically operated means operative only during rotation of the rollers for moving said movable roller into sealing engagement during the operation of the machine, and resilient means arranged to automatically maintain the rollers separated when rotation of the rollers and operation of said pneumatically operated means is discontinued, said roller mounting including a slidable carriage, and stop means engageable with the carriage for limiting the movement of said movable roller towards the heated roller.

2,627,894

AUTOMOBILE SEAT CONSTRUCTION

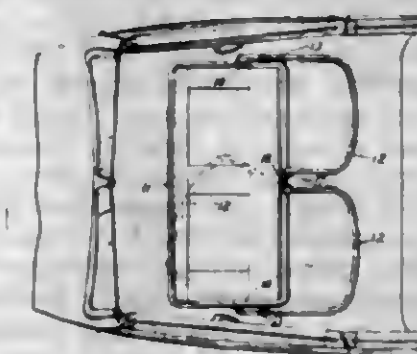
Elmer A. Herder and Stewart E. Norwood, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application December 15, 1945, Serial No. 635,314

2 Claims. (Cl. 155-5)

1. An automobile closed body construction characterized by having front and rear seats therein and having a single door in one side

thereof, said door being longitudinally positioned in alignment with the front seat, a seat back frame positioned adjacent the door and hinged to the rear edge of the front seat by inner and outer hinge members to swing forwardly around



an axis which extends rearwardly and upwardly toward the longitudinal center line of the body, the inner hinge member comprising a crank shaped member one end of which is rigidly secured to the seat back at a point eccentric with respect to such axis.

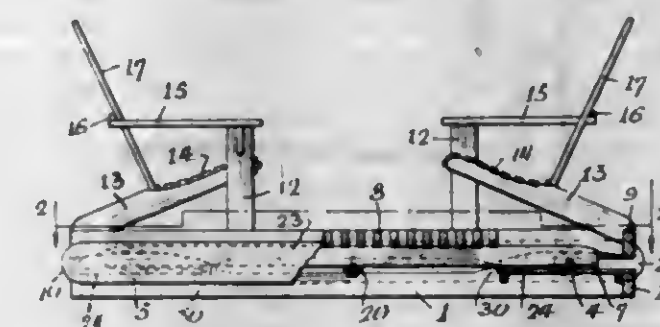
2,627,895

ROLLING ARMCHAIR

Armand Herman Lussier, Montreal, Quebec, Canada

Application September 5, 1950, Serial No. 183,127

2 Claims. (Cl. 155-57)



1. In combination, a base, a floor, rollers carried by said floor and riding on said base, a frame loosely enclosing said floor and resting on said rollers, and a pair of chairs mounted on the ends of said frame and crossing said floor, and a lever pivoted centrally to the underside of said floor and having its ends attached respectively to the bottom of said frame and to the top of said base.

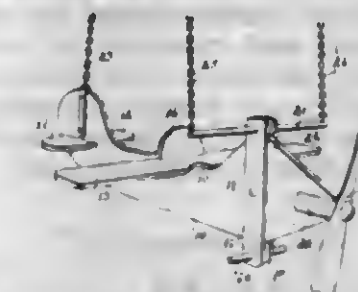
2,627,896

SELF-OPERATED AIRPLANE SWING

Martin E. Walter, Clarinda, Iowa

Application June 6, 1946, Serial No. 674,863

5 Claims. (Cl. 155-65)

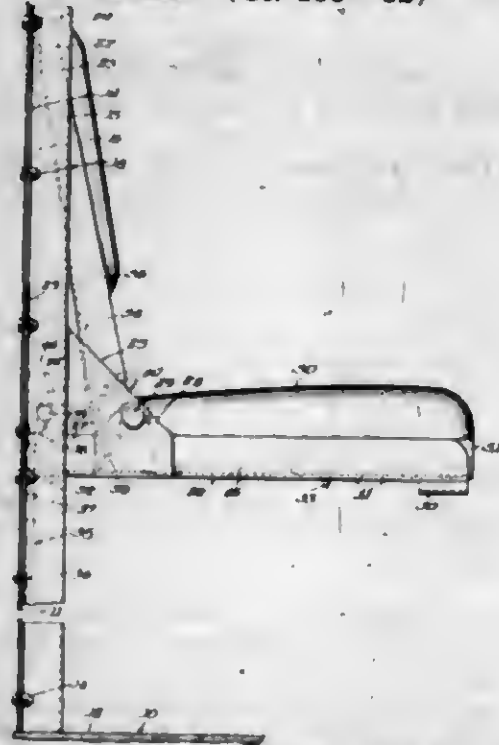


1. In a device of the class described, an elongated flat member having its width vertical, a flat elongated member having its width substantially horizontal, secured at its center to the upper central portion of the first-mentioned elongated member and simulating the wings of an airplane, two bar members at each side of the

forward portion of said first-mentioned elongated member and having their center portions pivoted thereto, a foot bar secured to the lower end portions of said two bar members, a hand bar secured to the upper end portions of said two bar members, a elongated flexible supporting member secured to the rear end portion of said first-mentioned elongated member, and two elongated flexible supporting members spaced apart from each other and secured to said hand bar; said first-mentioned elongated member having its upper forward end portion extending first upwardly and forwardly toward the upper end portions of said two bar members to a point vertically aligned above the pivot point of said two bar members and then immediately downwardly and forwardly from the upper end portions of said two bar members.

2,627,897

RAILWAY VEHICLE OPERATOR'S SEAT
Carl H. Apel, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 3, 1946, Serial No. 700,935
9 Claims. (Cl. 155-82)



8. An adjustable and folding seat for rail vehicles comprising a pair of spaced columns secured to the vehicle and having vertical tracks providing guideways, a seat supporting frame including a pair of uprights having guide blocks projecting into said guideways for guiding the frame in a vertical path, a pair of horizontally extending frame members hingedly connected to said uprights for folding movements to a substantially vertical position, means for regulating the height of said seat supporting frame comprising a pair of ratchet mechanisms including rack members between said columns in fixed relation thereto and pawl members operatively carried by the supporting frame releasably engaging said racks, and a seat having sliding engagement with said horizontal frame members and adjustably supported thereby.

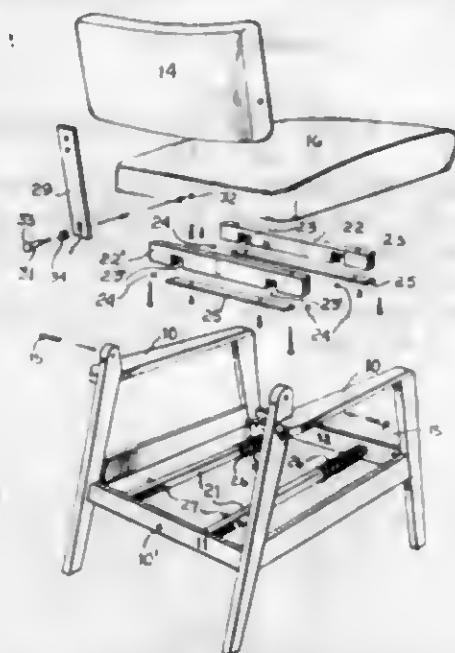
2,627,898

CHAIR HAVING AN ADJUSTABLE SEAT AND BACK REST

George McStay Jackson, Chicago, Ill.
Application February 19, 1951, Serial No. 211,714
3 Claims. (Cl. 155-116)

3. An article of furniture comprising a structure including a pair of interconnected parallel

arranged side frames, a pair of mounting bars disposed between and parallel to said frames, a back rest arranged between said frames, means pivotally connecting the back rest to said frames, a seat arranged between the frames and forwardly of the back rest, means providing slidable connection between the seat and said structure, said last-named means comprising seat supporting bars connected to the seat in spaced parallel relation with respect to each other and substan-

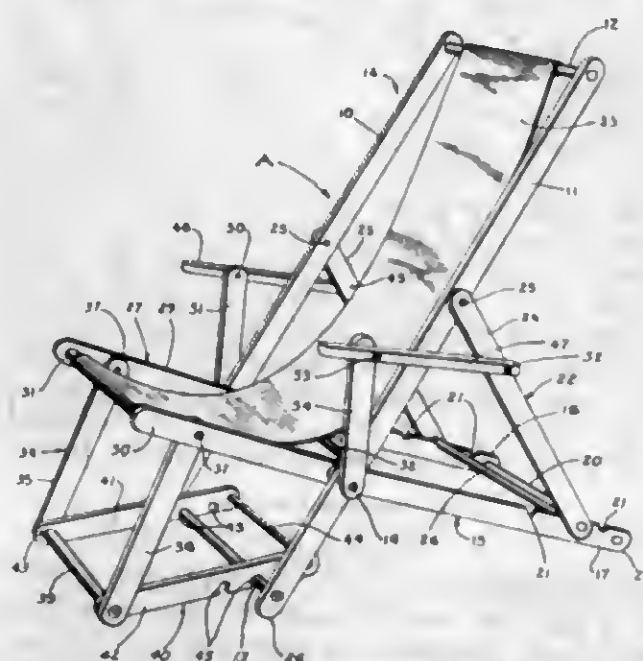


tially at right angles with respect to the mounting bars, said seat supporting bars having grooves formed therein and said mounting bars engaging in said grooves, spring elements embracing the mounting bars and disposed thereon between one of said seat supporting bars and an element of said structure, an arm fixed to and depending from said back rest, and means pivotally connecting the free end of the arm to the back of said seat.

2,627,899

FOLDING CHAIR

Alfred G. W. Grotefend, St. Paul, Minn.
Application March 8, 1948, Serial No. 13,560
7 Claims. (Cl. 155-117)



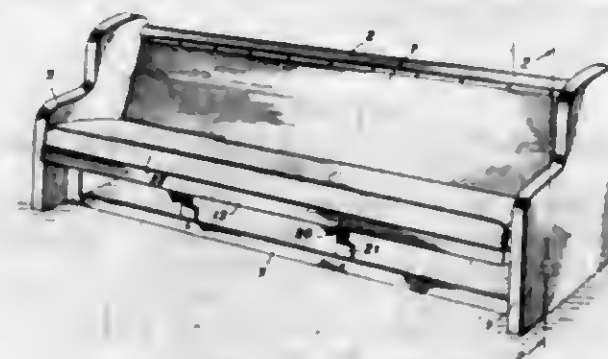
1. A folding chair comprising a back frame comprising rectangularly arranged frame members, a back supporting frame pivotally connected to said back frame at a point spaced from the lower end thereof, a second back sup-

porting frame pivotally secured to said back frame between the pivotal connection between the back frame and the first mentioned back supporting frame, and the upper end of the back frame, said first and second back supporting frames being engageable to hold said back frame in an inclined position, a forwardly projecting seat frame pivotally connected to said back frame, a pair of frames for supporting said seat frame, one of which is pivotally connected to said seat frame, and the other of which is pivotally connected to the first seat supporting frame and is adjustably engageable with said back frame.

2,627,900

ADJUSTABLE CHURCH PEW

John W. Sutherland, Knoxville, Tenn.
Application October 4, 1948, Serial No. 52,668
1 Claim. (Cl. 155-178)



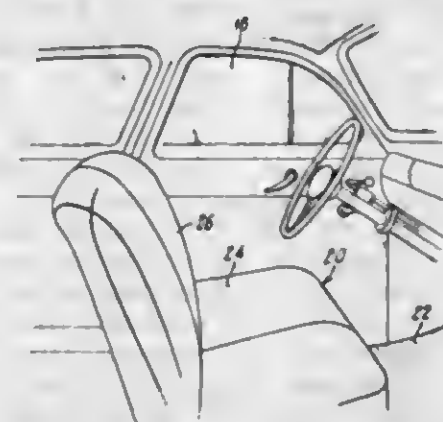
A bench comprising end members, a U-shaped support between said members having upstanding ends secured to said members, a seat frame between the upstanding ends of said support and pivoted on said ends for tilting adjustment about a horizontal axis into a selected tilted position, an angle cross member secured to the underside of said frame and including a depending flange, and an upstanding brace on said support having one end fixed to the support and means on its other end attachable to said flange to secure said frame in the selected tilted position.

2,627,901

ASTATIC VEHICLE SEAT

Simon A. Simon, Longmeadow, and Arthur H. Drellich, Springfield, Mass., assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass., a corporation of Massachusetts

Application June 11, 1948, Serial No. 32,519
In Canada June 4, 1948
9 Claims. (Cl. 155-182)



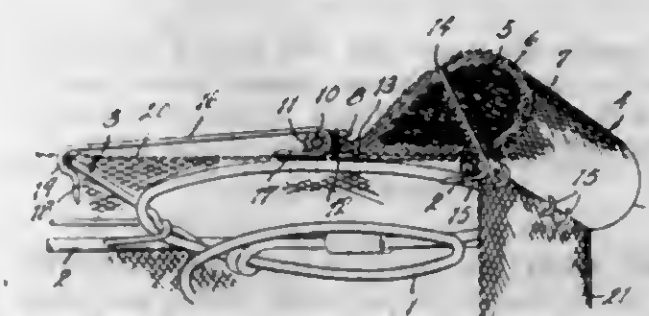
1. In a seat, the combination of means for supporting a person and a saran cover for the supporting means, the cover for the supporting means being treated and covered with an antistatic agent selected from a class consisting of

long chain fatty acid partial esters of hexitol anhydrides and hydroxy-polyoxyethylene ethers of long chain fatty acid partial esters of hexitol anhydrides; whereby it is substantially incapable of generating, inducing, and accumulating objectionable electrostatic charges; the antistatic agent being resistant to separation from the saran cover by scrubbing in water.

2,627,902

EDGE ROLL FOR UPHOLSTERED FURNITURE

Wayne S. Cook, Grand Rapids, Mich., assignor to Sackner Products, Inc., a corporation of Michigan
Application August 30, 1948, Serial No. 46,913
12 Claims. (Cl. 155-184)



2. An edge roll for use in upholstering structures such as spring assemblies comprising an elongated body member of inwardly tapered section provided with a covering extended at the inner edge of the body member to provide a flap, said covering surrounding said body member with each opposite side portion thereof connected to said flap, said flap having a reinforcing strand incorporated therein and extending longitudinally thereof, an attaching member arranged through the roll in spaced relation to the outer edge thereof and engageable with a border element of a spring assembly, and a fastener member having a hook engageable with said flap at the inner side of its said reinforcing strand at a selected point thereof and having a prong at its outer end adapted for snap-on engagement with an element of a spring assembly, said reinforcing strand being connected to said flap to be assembled as a unit with said covering and said body member to a spring assembly.

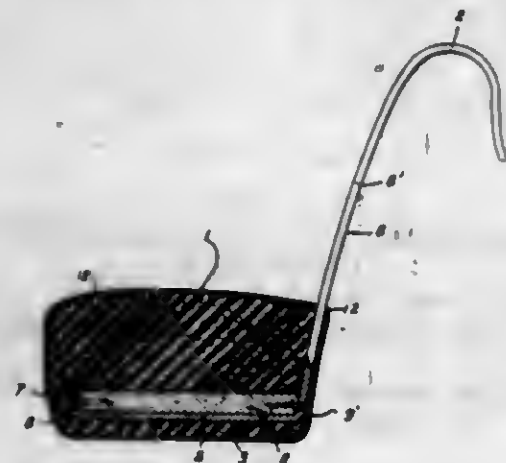
2,627,903

COMBINATION BABY SEAT AND ARMREST FOR AUTOMOBILES

William A. Stevenson, Opportunity, Wash., assignor to William B. Hopkins, Spokane, Wash.
Application April 14, 1951, Serial No. 221,001
1 Claim. (Cl. 155-11)

A combined arm rest and baby's seat for a vehicle comprising a thick pad of sponge rubber formed adjacent its bottom with a transversely extending slot forming a shallow pocket spaced from the front and opposite sides of the pad and open across its rear end for its full width, a flat board fitting snugly in said pocket and having its rear edge face exposed along the open rear end of the pocket, hangers consisting of metal strips having portions extending vertically and at their upper ends carried rearwardly and downwardly and forming hooks for engaging across the top of the back of a vehicle seat, lower portions of said strips bent forwardly and forming arms upon which the under face of said board rests, the front ends of said arms being bent upwardly and forming fingers, screws passing

through said fingers and portions of the strips adjacent rear ends of the arms and into front and rear edge faces of the board and constitut-

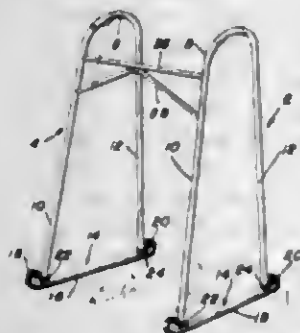


ing securing members for the board, and a cover of pliable material fitting snugly about said pad and formed with openings through which vertical extending portions of the strips pass.

2,627,904

MECHANICAL WALKER FOR INVALIDS

John B. Thieman, Cincinnati, Ohio, assignor of one-third to Elmer F. Ries and one-third to Cecil L. Hall, both of Cincinnati, Ohio
Application January 17, 1951, Serial No. 206,359
2 Claims. (Cl. 155-22)



1. A mechanical walker to assist a convalescent patient or an invalid to support himself and to move about supported and aided by the walker comprising a pair of spaced parallel runners adapted to be shoved like sleds over a rug or equivalent floor covered surface, said runners being provided at leading and trailing ends respectively with return bends providing individual resilient springs, a pair of opposed vertically disposed frames, said frames having forward and rearward limbs, said limbs having lower end portions rigidly connected with their respective springs, and horizontal brace means connecting the respective forward limbs of said frames to each other, said brace means being disposed adjacent to the upper ends of the respective frames.

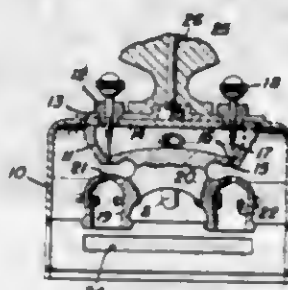
2,627,905

FLUID FUEL BURNER AND PAINT SCRAPER

Ray A. Mangieri, New Kensington, Pa.
Application May 23, 1949, Serial No. 94,797
3 Claims. (Cl. 158-13.6)

1. A paint removing tool comprising a shell having a rear wall, an open bottom, and sides, a handle projecting rearwardly from the rear wall of the shell, an elongated fuel reservoir in the top of the shell attached to said top and extending transversely of said shell between said sides, a fuel supply tube extending into said shell and

connected to said reservoir intermediate the ends of said reservoir, a pair of bottom fuel discharge ports in said reservoir adjacent the ends thereof, valve members extending through the top of said shell and reservoir into the latter and operative

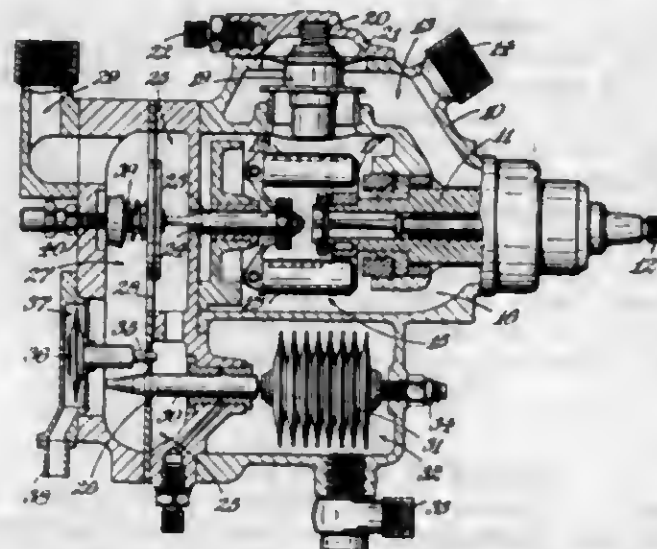


to open and close said ports, and a pair of vaporizing chambers in the shell below said ports and provided with open bottoms and openings in the tops thereof vertically aligned with said ports to receive fuel from said ports.

2,627,906

FUEL METERING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Christopher Linley Johnson, Allestree, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application February 14, 1949, Serial No. 76,328
In Great Britain February 23, 1948
4 Claims. (Cl. 158-36)



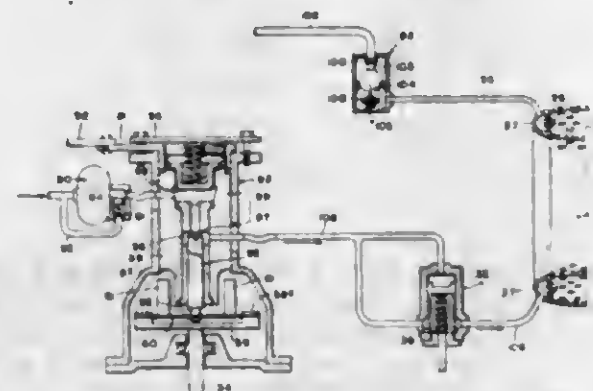
1. A fuel metering device for an internal combustion engine comprising a fuel inlet, fuel pressurizing means arranged to receive fuel from said fuel inlet, a fuel outlet, a first orifice means through which fuel flows from the fuel pressurizing means to said fuel outlet, a chamber containing fuel pressurized by said pressurizing means, a centrifugal governor adapted to be driven by the engine and having governor weights in said chamber, second orifice means in series with said first orifice means through which fuel flows from the fuel pressurizing means to said fuel outlet, a pressure-responsive element subjected to the pressure differential across the second orifice means, and valve means to co-operate with said first orifice means and loaded by the pressure-responsive element in the sense to close the valve on increase of the pressure differential to which the pressure-responsive element is subjected, said valve means being loaded by the centrifugal governor in the sense to open the valve on increase of the engine rotational speed, whereby the volume flow of fuel through said second orifice means is regulated to be directly proportional to the engine rotational speed; characterised in that the governor

weights have an effective density not exceeding five times the density of the fuel whereby as the fuel density is increased the volume flow through the second orifice means is correspondingly decreased thereby to compensate at least in part for the increase in mass flow of fuel due to the increase in the fuel density.

2,627,907

GAS TURBINE FUEL FEED SYSTEM WITH VAPOR REMOVING MEANS

Alexander S. King, Jr., Virginia Beach, Va., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 7, 1948, Serial No. 53,209
2 Claims. (Cl. 158-36.3)

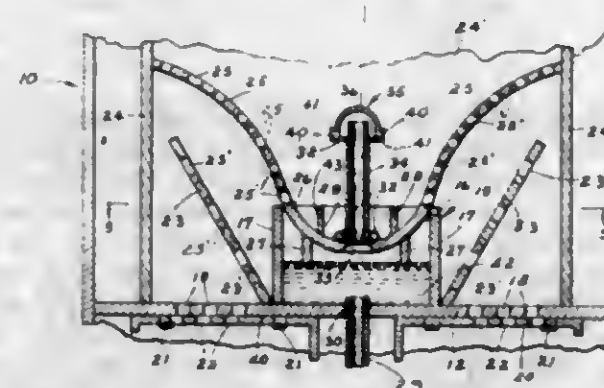


1. Fuel supply apparatus for a gas turbine engine having combustion means, a fuel discharge manifold having nozzles adapted to be associated with said combustion means, said manifold having an inlet and an outlet, a source of liquid fuel, a pump operable to supply fuel under pressure from said source to said inlet of the manifold, a governor device operatively associated with said pump for regulating the flow of fuel therefrom to said manifold, and a control valve device having a chamber connected to said outlet of the manifold and disposed above the level of said manifold, a vent valve mounted in said chamber controlling a communication for effecting intermittent discharge of vapor, float means for closing said valve to prevent escape of liquid fuel from said manifold, and a weight mounted on said float means to maintain constant closure of the vent valve in the event of inverted operation.

2,627,908

LIQUID FUEL BURNER OF THE RETORT VAPORIZING TYPE

Paul A. Broady, Greenville, S. C.
Application August 7, 1950, Serial No. 178,100
6 Claims. (Cl. 158-67)



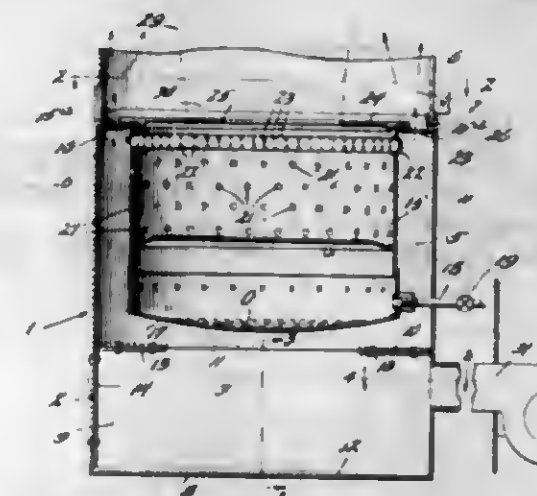
1. A liquid fuel burner comprising a tank for holding a pool of oil, means connected with the tank for supplying oil to the same, a depressed

plate mounted upon the top of the tank and projecting downwardly into the tank and forming an upper receptacle for an ignition pool of oil, means connected with the tank above the depressed plate for supplying oil to the ignition pool, an upstanding discharge pipe secured to the depressed plate and projecting above the same, the depressed plate having an opening adjacent to the pipe and placing the retort in communication with the interior of the tank below the depressed plate, the depressed plate and tank forming a pressure retort chamber below the plate which is closed except for the oil supplying means and the discharge pipe, an elongated tubular nozzle secured to the top of the pipe and having side discharge openings, and upwardly extending perforated baffle plates connected with the tank near opposite sides thereof and extending above the top of the tank and nozzle and being spaced laterally of the opposite sides of the nozzle in opposition to the discharge openings of the nozzle.

2,627,909

AIR DISTRIBUTING MEANS FOR POT TYPE BURNERS

James B. Moore, Jr., Lexington, Ky.
Application October 13, 1948, Serial No. 54,329
2 Claims. (Cl. 158-91)



1. In a pot-type heater, an outer housing, a burner pot disposed in the lower portion of said housing and provided with a bottom, an air chamber member located below the burner pot, said member having a side wall and a bottom wall, a combustion chamber member having a combustion chamber disposed above said pot, a high fire ring partially closing the top of the pot, said ring being provided with a central aperture, primary air apertures disposed at various levels in the wall of the pot, means for delivering liquid fuel adjacent to the bottom of the pot, means including apertures below the high fire ring for delivering secondary air to the mixture of primary air and vaporized fuel rising from the pot, a vertically disposed baffle extending substantially diametrically across said air chamber below said pot to divide the chamber below said pot into two portions to reduce the whirling of air introduced therein, means for introducing air into each portion of said divided chamber, a top plate partially closing said air chamber, said plate being apertured substantially centrally to provide for the passing of air to the air outlets, and means for supplying tertiary air in a plurality of streams adjacent the interior surface of the combustion chamber to the burning mixture of vaporized fuel and secondary air.

2,627,910

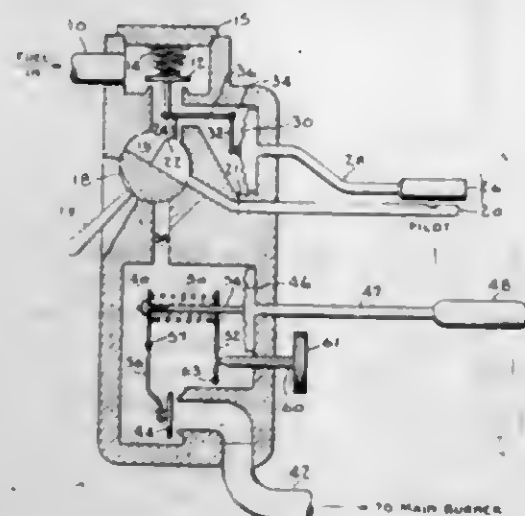
GRID PORT STRUCTURE FOR GAS BURNERS
Victor R. Abrams, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application October 23, 1947, Serial No. 781,703
6 Claims. (Cl. 158-116)



1. In a gas burner, a port structure comprising a gridwork having a plurality of cells in closely spaced relation, said grid work being fashioned so that said structure comprises an upper portion, a lower portion and connecting portions integral with said upper and lower portions, said connecting portions being of relatively small cross section whereby to minimize the heat conducted through said connecting portions between a higher temperature side of the port structure and a lower temperature side of the port structure.

2,627,911

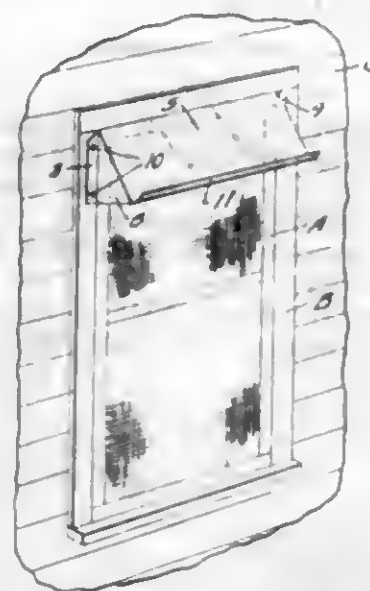
FUEL CONTROL DEVICE
Lourdes V. McCarty and Reno L. Vicenzi, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin
Application December 11, 1947, Serial No. 791,110
4 Claims. (Cl. 158-134)



1. A fuel flow control system comprising, a body having a chamber, an inlet to said chamber, a pilot outlet from said chamber, a burner outlet from said chamber, a manually operated valve for controlling flow from said chamber through one or both of said outlets, a safety valve in said inlet, means biasing said safety valve to its closed position, a bell crank pivotally mounted in said chamber with one end adapted to lift said safety valve from its seat, means acting on the other end of said bell crank in response to heat of a pilot flame to hold said safety valve open, and cam means mounted on the manual valve in said chamber for acting on said one end of said bell crank to lift the safety valve when said manual valve is directing flow through said pilot outlet only.

2,627,912

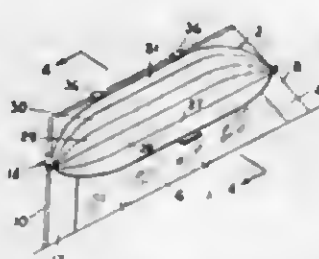
RAIN SHADE ATTACHMENT
Clair G. Soppeland, Minneapolis, Minn.
Application July 21, 1950, Serial No. 175,090
3 Claims. (Cl. 160-39)



2. A collapsible rain shade attachment for a window for use in conjunction with a window screen comprising a structure having in combination a pair of spaced rigid water-proof end plates, each of said end plates having an inwardly facing edge and an outwardly facing edge and each being securable adjacent its inwardly facing edge to one of the side and upper portions of a window frame and extending outwardly therefrom, and a pair of downwardly and outwardly extending water-proof panels, each of said panels being swingably connected by one of its ends to the outwardly facing edge of one of said end plates and each being formed to provide for telescopic movement with the other whereby the spacing of said end plates may be varied for mounting on windows of various widths and whereby the entire structure may be collapsed for compact storage when removed from the window.

2,627,913

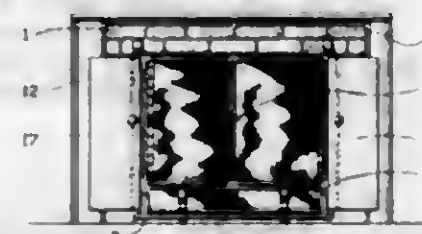
AUTOMOBILE AWNING
Albert E. Hill, Tulsa, Okla.
Application March 5, 1951, Serial No. 212,900
2 Claims. (Cl. 160-88)



1. An awning for an automobile door having a window therein, comprising an arcuate leaf of a length to extend substantially the length of the door, clips on said leaf claspingly engaging the upper edge of the door and securing the leaf in abutting relation to the door over the upper part of the window, a plurality of smaller arcuate leaves disposed under the first said leaf, each end of each of said leaves having an aperture therein, a bolt inserted through said apertures at each end of said leaves to provide pivotal supports for said leaves, and clamp means engaging the forward and trailing edges of the door supporting said bolts in aligned relationship.

2,627,914

FIREPLACE FRONT
Clifford Clayton Helwig, Windsor, Ontario, Canada
Application July 5, 1949, Serial No. 102,970
2 Claims. (Cl. 160-117)



1. A fireplace fixture for application to the front face of a fire place comprising a frame outlining a fireplace opening and a sectionalized fire screen therefor, said screen consisting of a pair of half gate sections hinged to the opposite sides of said frame with the lower edge of said sections lying at a level substantially above the bottom of said frame, vertically and outwardly extending channels on the sides of said frame adjacent the bottom thereof, an elongated screen section positioned in said channels with the upper edge thereof being spaced below and offset forwardly relative to the lower edge of said gate sections whereby said elongated section may be moved vertically and removed from said channels.

2,627,915

REVERSE TRAVERSE DRAPERY SUPPORT
Leah Louise Degnan and Thomas P. Buckman, Minneapolis, Minn.
Application May 27, 1948, Serial No. 29,468
6 Claims. (Cl. 160-126)



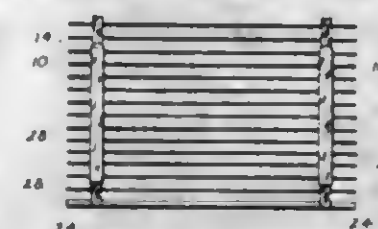
1. A drapery support comprising a substantially U-shaped trackway, means for securely attaching said trackway to a wall, a plurality of carriers slidably mounted on said trackway and adapted to hold a drapery suspended therefrom, means for interconnecting said carriers, a shiftable sheave mounted for movement along said trackway, a flexible cord fixed at one end to said shiftable sheave and extending therefrom around a portion of said U-shaped trackway to permit said sheave to be pulled around said trackway to transfer said interconnected carriers and the drapery attached thereto around from one side of the trackway to the other side of the trackway to reverse said drapery, a second cord element trained about said sheave and fixed to certain of said carriers to permit the traversed position to said drapery to be adjusted and to permit said sheave and said carriers to be transferred back around said trackway to return said drapery to the initial position.

2,627,916

APPARATUS WHICH FACILITATES THE CLEANING OF VENETIAN BLINDS
Edward F. Hausam, Normandy, Mo.
Application November 25, 1949, Serial No. 129,440
1 Claim. (Cl. 160-127)

A protective device that is usable in the cleaning of a Venetian blind, which has vertical tapes with cross tapes and which has slats supported

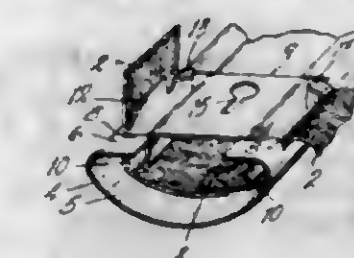
by said cross tapes, to overlie the front and sides and parts of the rear of one of said vertical tapes of said Venetian blind and thereby protect said one vertical tape from contact with cleaning implements during the said cleaning of said Venetian blind and that comprises an elongated narrow surface that is registerable with but wider than the front of said one vertical tape, rearwardly extending surfaces that are narrower than said elongated narrow surface but are wider than the thickness of said one vertical tape, said rearwardly extending surfaces being contiguous with the side edges of said elongated narrow surface and being registerable with the sides of said one vertical tape, and inwardly extending surfaces that are contiguous with the rear edges of said rearwardly extending surfaces and that are



registerable with the rear faces of said sides of said one vertical tape, said inwardly extending surfaces being in confronting relation but being spaced apart a distance greater than two thirds the width of said elongated narrow surface, said inwardly extending surfaces and said rearwardly extending surfaces and said elongated narrow surface constituting a continuous barrier from the rear face at one side of said one vertical tape, past the said one side of said one vertical tape, past the front of said one vertical tape, and past the other side of said one vertical tape to the rear face of said other side of said one vertical tape, said inwardly extending surfaces simultaneously engaging the rear of said one vertical tape and the front edges of said slats to maintain itself in assembled relation with said Venetian blind.

2,627,917

VENETIAN BLIND
George R. Lind, St. Joseph, Mich.
Application February 23, 1951, Serial No. 212,397
10 Claims. (Cl. 160-173)

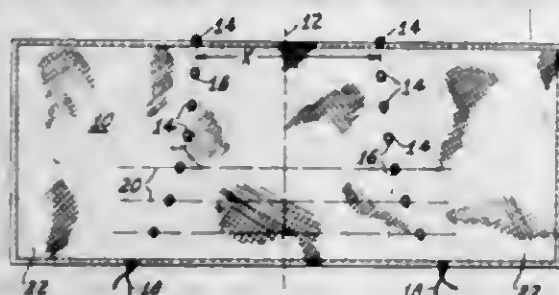


1. The combination in a Venetian blind including slat suspending tapes connected at their lower ends to provide a loop, of a bottom bar comprising a bottom member of curved upwardly facing channel section and having intumed edge flanges, said flanges having slots therein receiving the tapes with the loop thereof within the bottom member, the end edges of the slots being notched to provide inwardly facing keepers, a clamp member having downwardly offset upwardly facing U-shaped springable tape clamping arms on its side edges disposed in said bottom member and within the loop of the tapes with its arms within said slots and in springable retaining engagement with said keepers, said arms of said clamp member being provided with intumed lugs, one of said arms being extended to provide a finger piece projecting above the bottom member, said clamp member having a key-

hole slot therein adapted to receive a suspending cord, and a top member of downwardly facing curved section disposed with its edges upon said intumed flanges of said bottom member and springably engaged with said lugs on said clamp member, said top member having an opening aligned with the reduced end of said keyhole slot in said clamp member to receive the suspending cord and prevent its disengagement from the keyhole slot.

2,627,918 DRAPERY

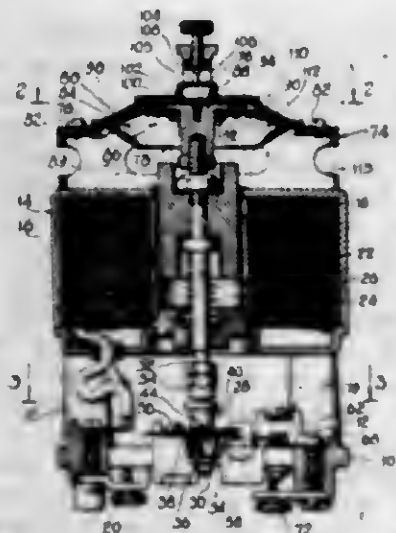
Morris Gordon, New York, N. Y.
Application December 5, 1950, Serial No. 199,217
8 Claims. (Cl. 160—348)



3. A drapery adapted for use on a window comprising a piece of fabric material which is longer than it is wide, eyelets secured to said material at spaced points on two curved lines extending between the longer sides of said material and appreciably removed from the shorter sides of said material, said curved lines being symmetrically arranged on opposite sides of a center line passing transversely of the length of the fabric, and bowing in toward each other, those portions of the material between said curved lines and the respective shorter sides of said material comprising the drape portions of the drapery adapted to hang down on the sides of the window below the portion of the drapery between the curved lines and which bridges the window, each eyelet on one curved line having in a straight line therewith parallel to the longer sides of said material a correspondingly positioned eyelet on the other curved line, and means for threading together the eyelets on each curved line.

2,627,919

TIME-DELAY CONTROL APPARATUS
Carl Lindahl, Union, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application October 5, 1946, Serial No. 701,515
24 Claims. (Cl. 161—1)

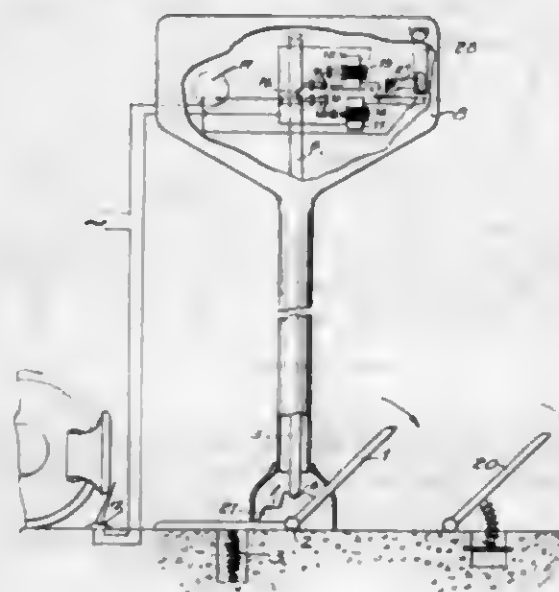


1. In a time delay control apparatus, a motion transmitting member, means providing a spring

load for moving said member and means for controlling the rate of movement of said member under the influence of said spring comprising means including a flexible perforated diaphragm attached to said member providing an air chamber, means providing a leak port of adjustable area for venting said chamber, and check valve means for admitting air to said chamber through the perforations in said diaphragm and for preventing passage of air from the chamber through said perforations.

2,627,920

PARKING SYSTEM FOR VEHICLES
Wallace Dudley Barlow, Hyattsville, Md.
Application June 29, 1950, Serial No. 171,117
3 Claims. (Cl. 161—15)



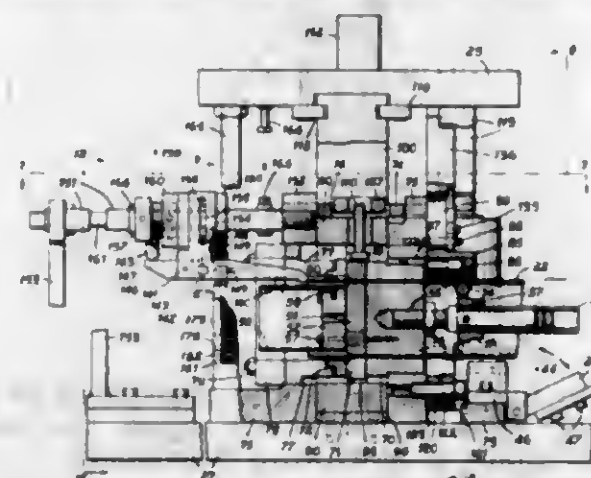
1. A parking system for vehicles, comprising means defining a supporting surface for a vehicle in parked position, a support column mounted adjacent said supporting surface but disposed out of the path of a vehicle passing over said surface, time registering mechanism supported by said column, a control circuit for said time registering mechanism, an operating member connected to operate said control circuit, said operating member having a portion extending through said column to a point adjacent said surface, vehicle operable mechanism disposed upon said surface and connected to said portion to initiate a time registration upon entry of a vehicle into the controlled part of said surface, locking means including a part of said operating member for impeding removal of a vehicle after initiation of a time registration, and coin operated mechanism supported by said column for releasing said locking means.

2,627,921

TUBE CUTTING DIE
Charles M. Brehm, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application July 2, 1949, Serial No. 102,770
10 Claims. (Cl. 164—40)

1. Apparatus of the character described for cutting tubular stock comprising, in combination with a press having a reciprocating slide, a frame, first and second cutting members having cutting faces arranged in face to face relation for relative shearing movement with respect to said stock, means supporting said first cutting member against movement in said frame transversely of the axis of said stock, means supporting said

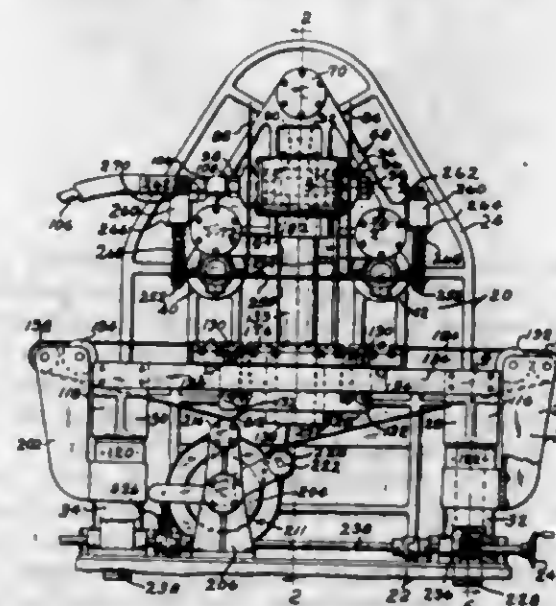
second cutting member for shearing movement with respect to said first cutting member transversely of the axis of said stock, a bracket carried by said frame in adjustably overhanging relation with said cutting members, adjusting means mounted in said bracket for movement ax-



ially of said stock and adapted to engage said cutting members to effect axial alignment of the cutting face of first cutting members, and means for retaining said second cutting member in said alignment with said first cutting member following release of said adjusting means.

2,627,922

MACHINE FOR CUTTING TISSUE
Oliver E. Teall, Phoenix, N. Y., assignor of one-third to William Edds, Seneca Falls, and one-third to Douglas Crutchley, Cicero, N. Y.
Application February 14, 1950, Serial No. 144,094
11 Claims. (Cl. 164—61)

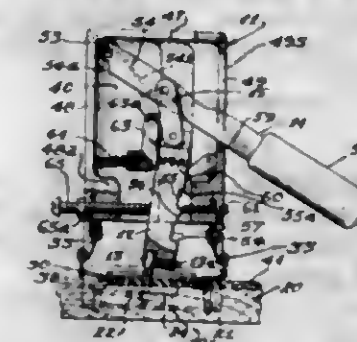


1. In a cutting machine for cellulosic material and the like, a frame, a conveyor belt, a pair of axially spaced circular knives for transversely cutting material carried upon said belt, means for mounting said knives for substantially circular movement through a path with the edges of both knives intersecting said belt through an arc of said path, said knives being spaced one-half the circumference of said path, means for coordinating the movement of said belt with the peripheral velocity of said circular movement to move said belt a distance twice the spacing of said knives for each complete circular movement, and means providing movable bights in said belt in the planes of said knives when traversing said arc to receive the cutting edges of said knives.

607 O. G.—25

2,627,923

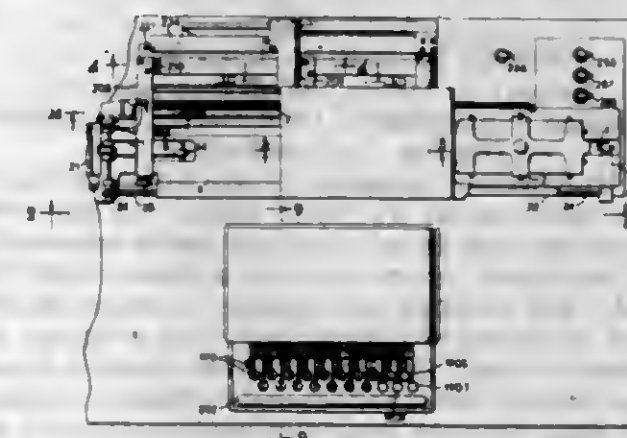
MACHINE FOR OPERATING A PIERCER-CARRYING PLUNGER BOTH TO PIERCE AND ADVANCE THE WORK BEING OPERATED ON
Daniel D. Duncan, Glendale, Calif.
Application April 22, 1950, Serial No. 157,452
6 Claims. (Cl. 164—88)



1. In a machine of the kind described, a base plate, a casing mounted upon said base plate, an upwardly and downwardly extending plunger supported by said casing for vertical movement and carrying a piercer for operation upon sheet material resting flatwise upon said base plate, said plunger normally extending substantially vertically, a manually operable lever mounted upon said casing and linked up with said plunger so as to move the latter downwardly, a spring carried by said casing and operatively connected with said lever to lift the latter and said plunger to the upper limit of their travel after depression of said lever, guide means carried by said casing directing said plunger and the piercer carried thereby vertically downward until the latter has performed a puncturing operation through said sheet material and subsequent to the puncturing operation impart a swinging movement to said plunger to cause said piercer to advance the sheet material in accordance with the spacing between adjacent punctures in the row of punctures being formed by the operation of the machine, and means carried by said casing and cooperating with said plunger after the piercer has moved laterally to feed the work to elevate the piercer out of the work prior to swinging over to starting position.

2,627,924

CARD PUNCHING MACHINE
Gustav V. A. Malmros, Binghamton, Edmund A. Barber, Jr., Johnson City, and John R. Engstrom, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 28, 1949, Serial No. 95,934
8 Claims. (Cl. 164—113)



1. In a card punching machine, a set of punches, means for actuating said punches in-

cluding a continuously rotating cam, pins reciprocally supported in positions to be acted upon by said cam, means for yieldingly holding said pins in engagement with said cam, elements movable to positions between said pins and said punches for transmitting motion to the latter from said pins, electrically operated means for moving said elements selectively to positions between said pins and said punches, and means including a commutator rotating with said cam for controlling the energizing of said electrically operated means.

2,627,925

CASING SCRAPER

Bernice M. Selvaly, Houston, Tex.

Application February 18, 1950, Serial No. 145,001

5 Claims. (Cl. 166—18)



3. In a well scraping device adapted to be positioned in the bore of a well a cylindrical body member having a passage for the flow of fluid therethrough and a plurality of elongated, vertically-spaced openings helically disposed in overlapping relation about its periphery, scraper means disposed in each of said openings for movement outwardly of said member, a curved backing plate on each of said scraper means inside said member, the inner surfaces of said plates forming a substantially continuous cylindrical surface, a tubular element of resilient material in said member in yielding engagement with said cylindrical surface and responsive to the pressure of fluid in said passage to hold said scraper means in extended condition.

2,627,926

VACUUM WELL BUCKET

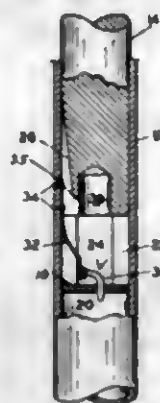
Robert S. Henry, Whistler, Ala.

Application September 7, 1950, Serial No. 183,494

3 Claims. (Cl. 166—19)

3. A well bailer comprising an integral hollow tubular body open at both ends, an air tight partition secured in said hollow body separating it into an upper chamber and a lower receiving chamber, the walls of said upper chamber having parallel longitudinal slots extending from the partition to near the open upper end, a heavy plunger loosely received in said upper chamber, lugs on said plunger near the bottom thereof extending into the said slots to limit relative movement of body and plunger, cable means secured to the upper end of said plunger to support the bailer and to reciprocate said plunger when the

lower edge of the body rests on the bottom of a well, an air passage connecting the said chambers, a spring pressed valve normally closing said passage, and cam surface means on said plunger



shaped to cooperate with and positioned to engage said valve to positively open the same gradually upon a downward movement of the plunger in its chamber.

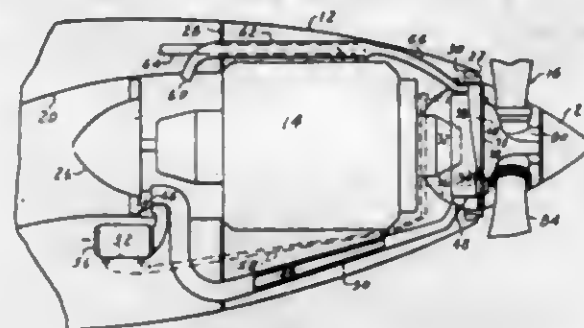
2,627,927

PROPELLER TEMPERATURE CONTROL MEANS

Joseph M. Mergen, Verona, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application May 29, 1947, Serial No. 751,477

8 Claims. (Cl. 170—135.743)



1. In an aircraft heat generating power plant including a pusher controllable pitch propeller having its own pitch changing mechanism in the wake of the power plant and subject to the wash of hot gas from the power plant, in combination, a shroud embracing said pitch changing mechanism in closely spaced relation thereto, a duct leading from a point upstream of said power plant into said shroud to conduct cool air thereto for intimate contact with said mechanism, means for exhausting shroud cooling air from said shroud, and a streamlined hollow cowling embracing the propeller pitch changing mechanism and shroud over which said hot gas passes, the hollow of said cowling providing a substantially dead air space between said shroud and cowling.

2,627,928

PROPELLER

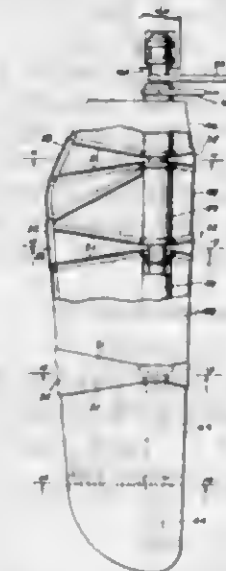
Alexander S. Mullgardt, Altadena, Calif.

Application April 30, 1945, Serial No. 590,999

1 Claim. (Cl. 170—160.25)

A propeller blade including a root segment, a tip segment, and a plurality of intermediate segments, a spar coaxial to all of said segments, a device to select the relative pitches of said segments about said spar, flexible covering connecting said segments to conform to the amount of spiral twist of said blade according to the relative adjustments of the root segment and the tip

segment, and resiliently yieldable means at said flexible cover connections engaging the adjacent



segments to yieldably determine the relative pivotal movements of said intermediate segments.

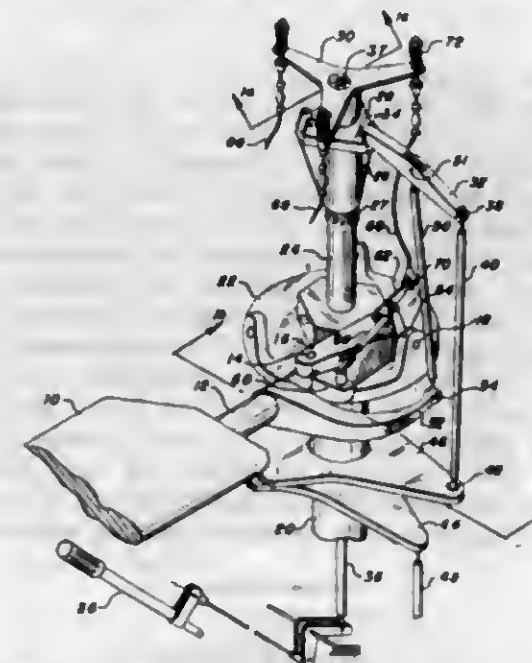
2,627,929

HELICOPTER ROTOR

Igor I. Sikorsky, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application March 26, 1947, Serial No. 737,247

11 Claims. (Cl. 170—160.25)



1. In a helicopter, a rotor drive shaft, a hub rotated by said shaft, two adjustable pitch blades, means for connecting said blades to said hub for flapping movements and for lag-lead movements in the plane of blade rotation including a blade root fitting for each blade, each of said fittings having a drag hinge and a flapping hinge by which said fittings are pivotally connected to said blades and to said hub, mechanism for changing the pitch of said blades collectively, and means including a universally mounted member movable along the axis of said shaft and connected with said blades and with said collective pitch changing mechanism for maintaining the collective pitch of said blades fixed during individual movement of said blades about their respective flapping and drag hinges and operative automatically in response to like simultaneous movement of both of said blades about either hinge axis for collectively adjusting the pitch of both of said blades.

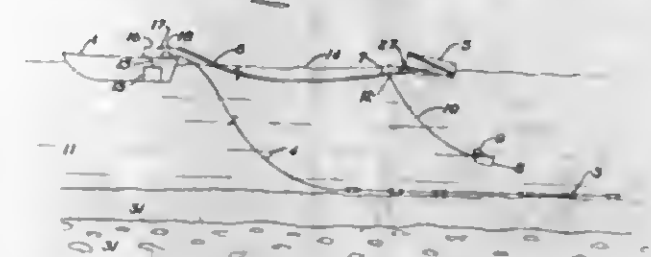
2,627,930

APPARATUS FOR UNDERWATER SEISMIC OPERATIONS

John P. Woods, Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 9, 1948, Serial No. 37,886

4 Claims. (Cl. 181—5)



1. In a system for underwater seismic exploration in which a series of seismic wave receivers are spacedly arranged linearly, rearwardly of a vessel provided with recording means operatively connected with each of the receivers through the medium of a conductor drag cable, the combination of means for successively locating a plurality of explosive charges laterally of the line of receivers and for successively individually exploding the explosive charges at will, comprising a paravane, an insulated conductor cable secured to the vessel, bridle means operatively connecting the paravane in tow to the conductor cable in a manner such that during movement of the vessel, the paravane will be caused to travel in a line parallel to and laterally a predetermined distance from the line of the receivers, a portion of the conductor cable adjacent the paravane being bare of insulation, each explosive charge having first and second actuating conductors operatively connected thereto, said first actuating conductor being adapted to make electrical contact with the water, means for securing said second actuating conductor in contact with and for free movement along the conductor cable whereby during forward movement of the vessel the explosive charge will be caused to move rearwardly with respect to said vessel to bring said second actuating conductor into contact with the bare portion of the conductor cable adjacent the paravane, the presence of said paravane serving to keep said second conductor from passing beyond said bare portion, and means including a source of electrical potential and switch means operatively connected with the cable to selectively flow current therethrough and to explode the explosive charge.

2,627,931

MEANS FOR IMPROVING FREQUENCY RESPONSE OF SOUND SYSTEMS

Edmund T. Flewelling, Ashburnham, Mass., assignor to Stromberg-Carlson Company, a corporation of New York

Application December 3, 1949, Serial No. 131,035

19 Claims. (Cl. 181—31)

1. Means for use in a sound reproduction system for providing a broad-resonance low-frequency response over an extended range of low frequency signals including an elongated structure defining an air column, said structure having a substantial length with respect to its lateral dimension, said structure having two non-overlapping openings displaced longitudinally with respect to and on opposite sides of said column and a loudspeaker mounted at one of said openings in such a manner as to drive across said column, the second of said openings comprising a sound emitting port, the cross-sectional area of

each of said openings being of substantially the same order of magnitude, and the distance be-



tween adjacent edges of said openings not exceeding the approximate effective diameter of said loudspeaker.

2,627,932

ACOUSTIC FILTER FOR MICROPHONES

John E. Volkmann, Haddon Heights, and Maxim L. Graham, Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 30, 1947, Serial No. 725,332

5 Claims. (Cl. 181-34)



1. In a sound translating system, the combination of a casing having a wall therein which divides said casing into a pair of cavities, said wall being provided with an opening therein which affords communication between said cavities, a mouthpiece carried by said casing in association with said opening, said mouthpiece affording communication between the exterior of said casing and one of said cavities, and a microphone immersed in the other of said cavities, the volume of said other cavity being large compared to that occupied by said microphone whereby to provide a large acoustic capacitance about said microphone.

2,627,933

AEROGEL DIFFUSION UNIT

John Watson Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application June 28, 1947, Serial No. 757,904

1 Claim. (Cl. 183-2)



A barrier diffusion unit for the separation of a hydrogen-rich gas relatively free from un-

desirable gases from a gas mixture of lower hydrogen concentration by fractional diffusion through a barrier diffusion membrane comprising a porous supporting member, and a strong and coherent layer of a metal oxide aerogel molded on said porous supporting member, the metal of said metal oxide aerogel being selected from the group consisting of silicon, aluminum and zirconium, said coherent layer having a barrier density of from 0.1 to 0.8 and a thickness in the range of $\frac{1}{2}$ to $\frac{3}{8}$ inch, said coherent layer providing pores for the selective diffusion of hydrogen.

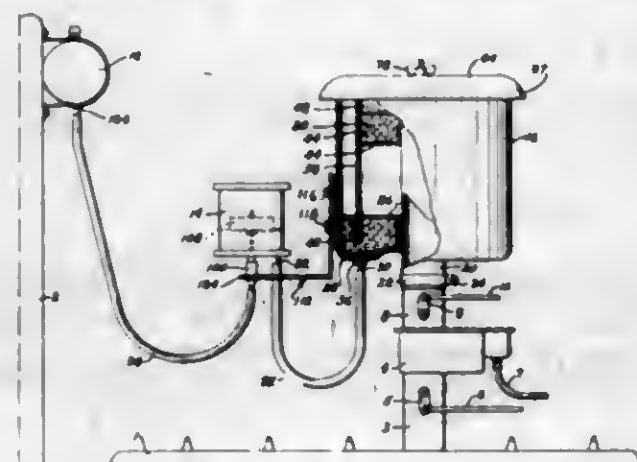
2,627,934

AIR MOISTENING AND FILTERING DEVICE

Emanuel A. Martinek, Wichita Falls, Tex.

Application August 11, 1949, Serial No. 109,785

3 Claims. (Cl. 183-15)



1. In a device for moistening and filtering air for use in the fuel system of an internal combustion engine, a container having air inlet and outlet passages, means for connecting said air outlet passage in communication with the air intake of said fuel system, a water chamber formed in said container in communication with said inlet and outlet passages, a perforated cover member on said water chamber having an annular portion extending into said water chamber beneath said level of the water in said chamber, a partition in said container between said inlet and outlet passages and extending into said annular portion beneath the level of the water in said chamber, said annular portion and the portion of said partition in said annular portion having perforations therein.

2,627,935

AIR CLEANER

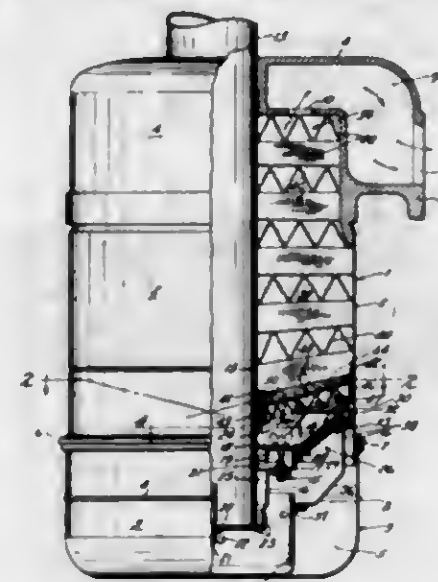
Silas Harold Beach, St. Paul, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Delaware

Application February 7, 1951, Serial No. 209,718

9 Claims. (Cl. 183-15)

8. In a wet type air cleaner, spaced generally cylindrical walls defining an outer casing with an air inlet passage leading downwardly into its lower portion and a concentrically-located chamber leading upwardly from the lower portion of the casing, a downwardly displaceable bottom section for the casing defining a liquid reservoir in the lower portion of the casing having its bottom spaced below the discharge end of the inlet passage and wherein air passing from the inlet passage to said air chamber reverses its direction around the discharge end of the inlet passage, an air outlet from the upper portion of the casing, a centrally apertured annular baffle wall disposed concentrically with respect to and adjacent the discharge end of the inlet passage and pro-

viding a relatively quiescent liquid-collecting zone thereabove, the lower marginal edge of the baffle wall structure being generally spaced from the marginal edge of a wall of the inlet passage to define therewith a generally annular liquid return passage from said quiescent liquid-collecting zone to the air stream at a place immediately adjacent to but posterior of said marginal edge of the inlet passage wall, an upper marginal portion of said generally annular baffle wall defining a generally circular side of an upwardly directed air passage from the liquid reservoir to said chamber, a filter element supported by said generally annular baffle wall and spanning said upwardly directed air passage, and an apertured air diffusing baffle spanning said upwardly directed



air passage and spaced above said filter and said baffle wall structure, said apertured air diffusing baffle serving under abnormal conditions when said filter becomes clogged to diffuse and reduce the velocity of air which then passes upwardly through said liquid return passage at high velocity, thereby greatly reducing the tendency to carry liquid through said cleaner to the cleaner's outlet passage under such abnormal conditions, said air diffusing baffle comprising a plate having a multiplicity of spaced louvered passages there-through, the louvers of said passages substantially closing said passages to straight-through passage of air vertically of the cleaner, and said louvered passages being directed angularly with respect to the vertical.

2,627,936

SUCTION CLEANER DOME MOUNTING CONSTRUCTION

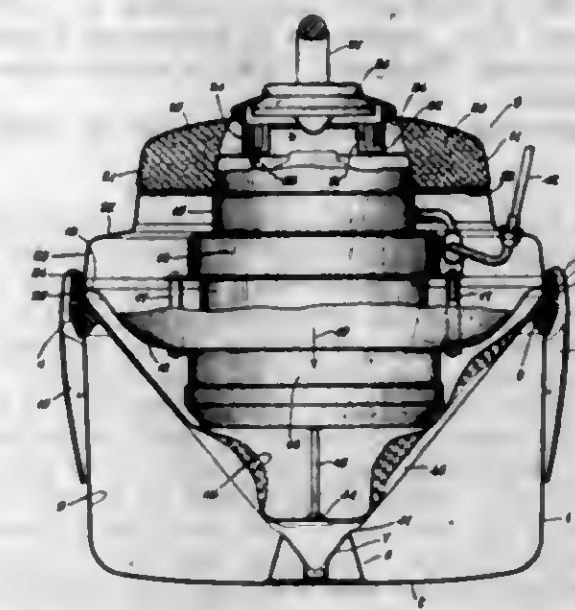
Eugene F. Martinet, Cleveland, Ohio, assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio, a corporation of Ohio

Application August 24, 1950, Serial No. 181,267

3 Claims. (Cl. 183-37)

1. In a vertical tank type suction cleaner, a dome unit comprising a dome member having an annular shoulder adjacent its open end, a motor fan unit having an annular flange, a filter supporting cone, an annular rubber mounting ring carried by and within the dome member seated against said annular shoulder, said ring including walls forming spaced upper and lower annular cavities within the ring and an annular groove open radially inward of the ring between said upper and lower cavities, said flange being seated in said groove, means securing the motor-fan unit and dome member together thereby compressing said upper cavity between said flange and shoulder, the cone having an annular flange

engaging the ring below the lower cavitated portion thereof, and means axially securing said cone



and motor-fan unit together thereby compressing said lower cavity between said flanges.

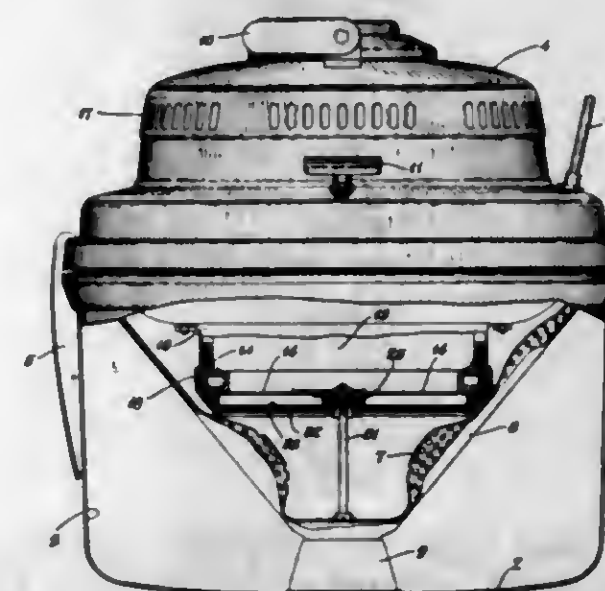
2,627,937

SUCTION CLEANER MOTOR FILTER CONSTRUCTION

Eugene F. Martinet, Cleveland, Ohio, assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio, a corporation of Ohio

Application August 24, 1950, Serial No. 181,268

9 Claims. (Cl. 183-37)



1. In a tank type suction cleaner, a motor-fan unit having a housing member provided with a bottom wall, there being suction inlet apertures formed in said bottom wall, an L-shaped rubber ring having a cylindrical flange circumferentially gripping the housing member around said bottom wall and having a reduced neck portion, there being an annular groove formed in said neck portion spaced axially from said bottom wall, a rubber centering member mounted on said bottom wall provided with an annular outwardly opening groove facing said first mentioned groove, and filter disc means removably mounted in said grooves.

2,627,938

METHOD OF MAKING HIGH VISCOSITY PRODUCTS HAVING PETROLEUM OIL BASE AND PRODUCT OF SUCH METHOD

Stanley H. Frohmader and Virjean C. Archer, Madison, Wis., assignors to Research Products Corporation, Madison, Wis., a corporation of Wisconsin

No Drawing. Application August 10, 1948, Serial No. 43,548

11 Claims. (Cl. 183-45)

1. The method of making a thixotropic composition containing petroleum oil and polyethylene having an average molecular weight of at least 3500, which comprises preparing a solution of said polyethylene in said petroleum oil at a temperature above the cloud point of said solution, said polyethylene comprising approximately 1% to 10% of the combined weight of said polyethylene and said petroleum oil, and cooling said solution uniformly and without agitation at a rate of at least about 45 degrees C. per minute through a temperature range including the cloud point of said solution while maintaining the concentration of polyethylene in petroleum oil in said solution substantially unchanged.

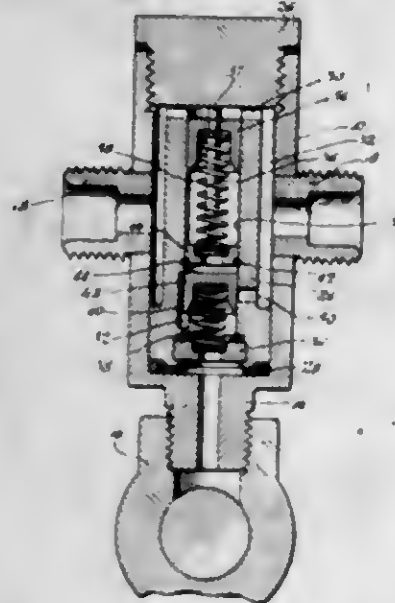
2,627,939

LUBRICANT FEEDER VALVE FOR CENTRALIZED LUBRICATING SYSTEMS

John T. Leonard, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application June 21, 1949, Serial No. 100,424

6 Claims. (Cl. 184-7)



1. A feeder device for lubricating systems in which measured charges of lubricant are supplied from a source to the bearing upon alternate application and relief of lubricant pressure to the feeder device, the combination of means forming a cylinder having a port intermediate the ends thereof, means for connecting the upper end of the cylinder to the source of lubricant, means exterior of the cylinder for connecting the port to the source, a piston reciprocable in the cylinder between the upper end thereof and the port, a valve normally in a position closing the cylinder slightly above the port and covering the port, a spring effective to hold the valve in its normal position, a passageway around the valve located so as to conduct lubricant around the valve when the latter is displaced slightly from its normal position, and means including an apertured valve seat engageable by the valve to control flow of

lubricant from the device to a part to be lubricated, said seat being spaced sufficiently from the port to cause the latter to be uncovered by the valve when the valve has been moved in opposition to its spring a sufficient distance to cause it to engage said seat.

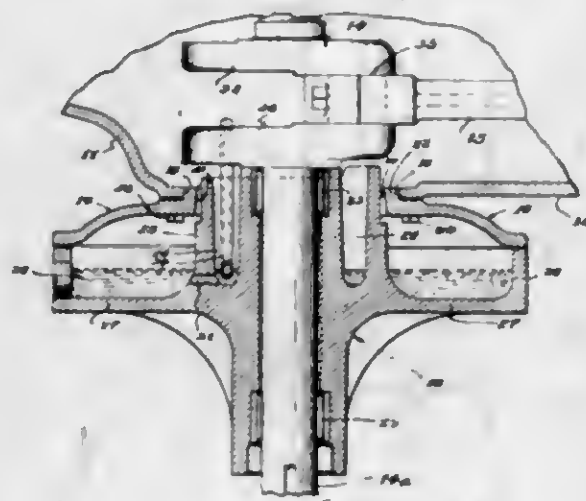
2,627,940

INTERNAL-COMBUSTION ENGINE LUBRICATION

Laurence D. Bakke, Plymouth, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia

Application October 4, 1950, Serial No. 188,460

7 Claims. (Cl. 184-13)



1. In an internal combustion engine having a vertically extending crankshaft, a crankcase having a bottom opening through which said crankshaft extends, a closure structure for the crankcase opening and provided with an oil sump portion and chamber openly communicating with the crankcase interior through the said opening and with an annular recessed lubricant collecting trough communicating with said oil sump portion and disposed substantially concentric with respect to the crankshaft axis, and a dipper carried by said crankshaft and disposed to travel in said trough and to scoop lubricating oil out of said trough and discharge same into the crankcase interior to lubricate moving engine parts.

2,627,941

STOCK DISTRIBUTING SYSTEM

Thomas Samuel Skillman, Mosman, near Sydney, New South Wales, Australia, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a company of New South Wales

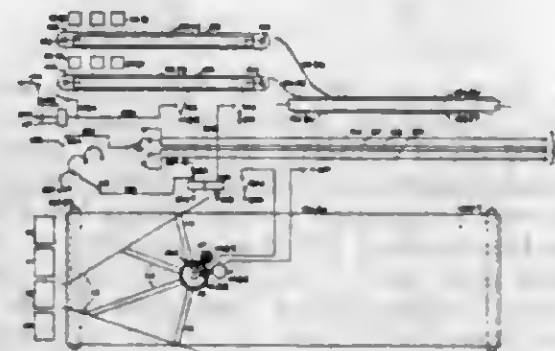
Application January 28, 1946, Serial No. 643,945

In Australia February 24, 1945

4 Claims. (Cl. 186-1)

1. A system for dispensing articles of varied character according to coded designations thereof, comprising: a plurality of storage and dispensing mechanisms, one for each code, said mechanisms extending in depth and being arranged in horizontal rows and vertical columns, each mechanism including a substantially horizontally disposed movable member for storing articles of the allotted code, and releasing means including electrically actuated driving means and coupling means individual to said movable members for selectively driving said members to dispense articles therefrom; first collecting means individual to each of said horizontal rows of stor-

age and dispensing mechanisms to collect articles dispensed from any of said mechanisms of a corresponding row; second collecting means common to said first collecting means, and transfer means interposed between said first collecting means and said second collecting means to transfer articles from said first collecting means to said second collecting means and to transport said articles to a common delivery point; means including a power-actuated driving means common to said releasing means and selectively connectable by said coupling means to said first mentioned individual driving means; a selector device including a set of key-actuated contact members momentarily operable in accordance with the elements of the code allotted to any article; a selective switching arrangement including group selecting switching means to select a particular group of said storage and dispensing mechanisms corresponding to the first element of the code, and electrical connections



from said switching means to said selector device and said releasing means, said selective switching arrangement being selectively responsive to successive momentary actuations of said contact members in accordance with the elements of the code of a wanted article for selecting firstly the electrical connections controlling individual groups of said coupling means and finally in a selected group the electrical connection to the coupling means associated with the storage and dispensing mechanism allotted said code; means to keep the coupling means in the operated condition after the release of said contact members; electrical contact devices individual to said storage and dispensing mechanisms and disposed for actuation at the discharge of each article therefrom, respectively, by the weight thereof; and means responsive to such actuation of any said contact device for de-energizing the corresponding electrically actuated coupling means to arrest the drive of the associated movable member.

2,627,942

UNDERGROUND VEHICLE PARKING ELEVATOR

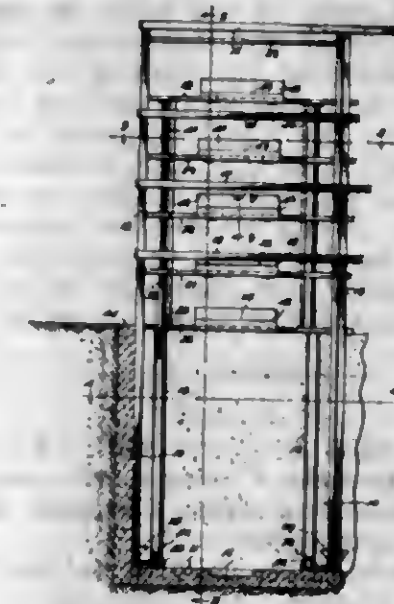
Floyd M. Nash and Roy A. Nash, Bluefield, W. Va.

Application August 19, 1949, Serial No. 111,222

1 Claim. (Cl. 187-1)

An apparatus of the character described comprising a rectangular elevator well, a framework mounted in the bottom of the well and extending a distance above ground level, a multi-floored elevator vertically movable in the framework, a plurality of vertically extending cylinders mounted in the bottom of said well, a piston rod extending upwardly from each cylinder, and a plurality of sockets affixed to the underside of the uppermost floor and each adapted to receive the upper end of a piston rod therein, said remain-

ing floors each provided with openings each adapted to receive therethrough one of said



cylinders and its associated piston when said elevator is lowered.

2,627,943

LIFTING MECHANISM

Russell Hastings, Jr., Wellesley Hills, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts

Application November 29, 1951, Serial No. 258,791

13 Claims. (Cl. 187-9)



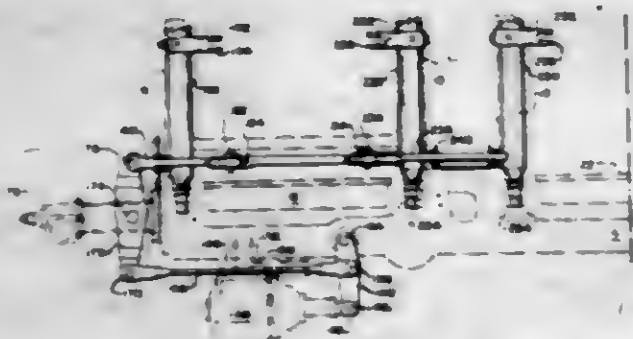
1. In a lifting mechanism of the type described which comprises a mast secured to the base of said mechanism, an upright fitted to and movable longitudinally of the mast, a load-carriage fitted to and movable longitudinally of said upright, a ram the stationary member of which is secured to said base, a pair of equidiameter idlers journaled on and near the top of said upright, a second pair of equidiameter idlers journaled on and near the bottom of said upright, a third pair of equidiameter idlers journaled on the movable member of the ram, a fourth pair of equidiameter idlers the journal supports of which are attached to said base, a pair of cables of equal length each of which is operatively connected at one end to the load carriage, thence passed successively to and around an idler of the first, second, third and fourth pairs respectively and thence to the movable member of the ram to

which its other end is operatively connected, the improvement in the aforesaid mechanism which consists in this, namely, that the sum of the pitch diameters of an idler of the second pair and an idler of the third pair is less than the pitch diameter of an idler of the first pair, that the pitch diameter of an idler of the fourth pair is less than the pitch diameter of an idler of the third pair, and that the distance between the longitudinal center line of the ram and a line connecting the points where the cables are attached to the ram is equal to two-thirds of the difference between the diameter of an idler of the fourth pair and the radius of an idler of the third pair.

2,627,944

BRAKE ARRANGEMENT

Edward J. Simanek, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 30, 1948, Serial No. 24,179
10 Claims. (Cl. 188-46)



1. In a brake rigging, a truck frame including spaced transoms and a side rail, a power cylinder mounted on said side rail adjacent each end thereof, spaced end and intermediate wheels supporting said frame, brake rigging associated with said wheels and including live truck levers disposed at opposite sides of said intermediate wheel and other live truck levers disposed at opposite sides of each end wheel, and brake means connected to each lever for cooperation with the associated wheel, means interconnecting said levers including a pull rod interconnecting said first mentioned live truck levers, guide brackets on said transoms having spaced vertical portions receiving the ends of said pull rod therebetween, and an operative connection between each cylinder and the adjacent end of said rigging, said brackets being formed and arranged to accommodate movement of said pull rod to transmit braking pressures between said first mentioned levers from each power cylinder and accommodate movement of said rod with the associated portion of said rigging and intermediate wheel laterally of said truck.

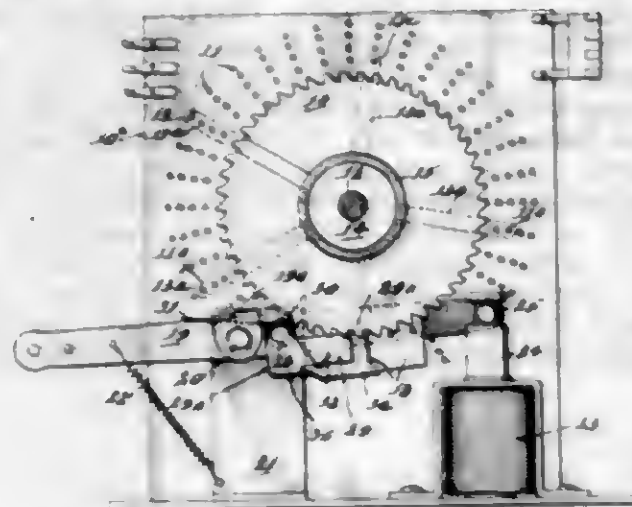
2,627,945

INDEXING MECHANISM

Donald E. Hooker, Skokie, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application May 2, 1947, Serial No. 745,394
10 Claims. (Cl. 188-69)

1. Indexing mechanism comprising, in combination with a rotatable disc having substantially uniformly spaced teeth each having a leading and trailing edge converging into an apex portion, a lever pivoted to rock in a plane approximately parallel to that of said disc in directions radially toward and away from the latter, a main pawl member fixed on said lever for movement by the latter in between succeeding teeth of said disc, a first spring acting on said lever to urge the

same into a normal position with said main pawl member urged in a direction in between successive teeth as aforesaid, a second pawl pivotally mounted with said lever for movement in the same directions as the latter, a second spring acting to pivot said second pawl for movement in between succeeding teeth and further acting to pivot said second pawl toward said teeth in advance of the first pawl in a radial direction, a

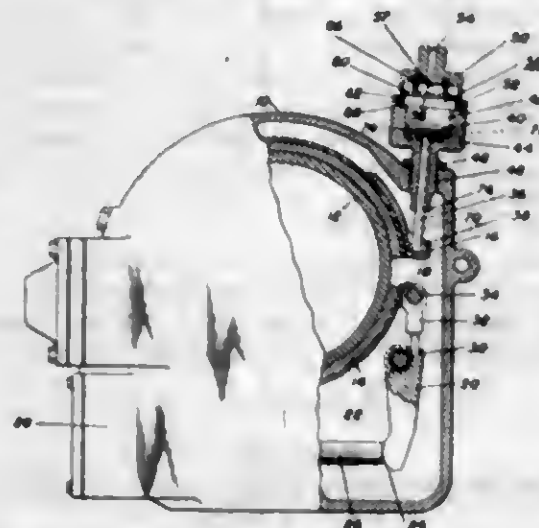


stop for the second pawl and engageable with the first pawl to limit the aforesaid radial advance of the second pawl relative to the first pawl, said pawls being spaced apart in the direction of travel of said teeth a distance greater than the distance between the leading edges of any pair of successive teeth and less than the distance between succeeding trailing edges measured at the apex, and electromagnetic means acting to move said lever to withdraw said pawls from said teeth.

2,627,946

BRAKE FOR TRANSMISSIONS

Herbert L. Misch, Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 18, 1948, Serial No. 15,659
6 Claims. (Cl. 188-77)



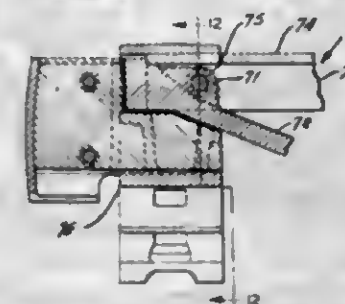
1. In a planetary gear train, a releasable member, a brake band having actuating and anchor ends to lock the releasable member against rotation to transmit torque through the gear train, means operably connected to the actuating end of the brake band to clamp the brake band to the releasable member, a stationary member, the combination therewith of a brake modulating device comprising a cylinder carried by the stationary member, a piston slidably mounted in the cylinder, connecting means between the piston and the anchor end of the brake band, the cylinder having a fluid inlet port on the side of the member.

piston opposite the connecting means, a source of fluid under pressure in fluid communication with said port, a valve controlling the inlet port, and yielding means urging the valve toward the open position, whereby the anchor end of the brake band is moved in the brake releasing direction in opposition to fluid pressure exerted in the cylinder.

2,627,947

RAILWAY BRAKE BEAM STRUCTURE

Irvin J. Spaeth, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1948, Serial No. 4,738
17 Claims. (Cl. 188-223.1)



3. In a railway truss type brake beam, a compression member and a tension member with their adjacent end portions converging and interengaging, a part adapted to engage an adjacent support bracket and secured directly to said tension member end portion, and a brake head having a passage receiving the adjacent end portions and said part and maintaining interengagement of said end portions.

2,627,948

FASTENING MEANS FOR FRAME ELEMENTS OR THE LIKE

Richard S. Farr, Los Angeles, Calif., assignor to Farr Company, Los Angeles, Calif., a corporation of California
Application March 11, 1949, Serial No. 80,902
11 Claims. (Cl. 189-36)



1. In combination two flat elongate members engaged one over the other, one of said members having a longitudinally disposed tongue with a shoulder at the outer end portion thereof facing longitudinally of said member, the other member having a lug projecting from the plane thereof into the plane of the first mentioned member and having a shoulder opposed to and engaged by the shoulder of the tongue, one of the members having a tab at one longitudinal edge thereof deformed to working position overlying the other member from one edge thereof where it positively holds the outer end portion of the tongue flat against the other member with the shoulders engaged, there being parts on the members spaced longitudinally from the lug and tab and cooperatively engaged when the shoulders are engaged and holding the inner end portion of the tongue against the other member.

607 O. G.—20

2,627,949

DEMOUNTABLE SHELTER

Corwin D. Willson, Flint, Mich.
Application September 16, 1946, Serial No. 697,254
7 Claims. (Cl. 189-36)

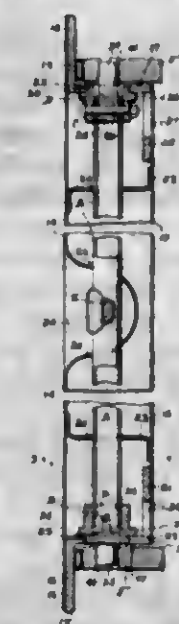


4. In a housing of the covered frame type, a frame member comprising butt-joined curvilinear segments, each consisting of metallic strips fashioned concavely in cross section and secured intermittently lengthwise in fixed relation side to side with opposing margins parallel to form continuous slots along opposite sides and inwardly opening into an inmost hollow, and means to fasten the segments end to end comprising common tie members interiorly and exteriorly of the channels lying across adjoining ends of the segments and means transfixing said segments and tie members to lock the same together without interrupting access through said slots into said hollow.

2,627,950

DOOR FASTENER

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application January 24, 1947, Serial No. 724,173
1 Claim. (Cl. 189-46)



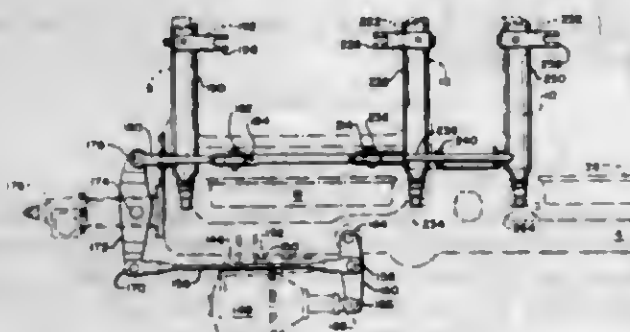
In a hinged door structure, the combination with a door member having laterally spaced inner and outer vertical walls connected by horizontal top and bottom walls, one of said vertical walls having an opening therethrough at the bottom end thereof communicating with the interior of said door, said bottom wall having a circular bearing opening therethrough and a radially outwardly extending slot communicating with said bearing opening; of a keeper engaging member having a depending cylindrical bearing portion journaled in the bearing opening of said bottom wall, said bearing portion having an annular flange at the upper end thereof supported on said bottom wall; an eccentric keeper engaging crank pin depending from said bearing portion, said crank pin being of a diameter to pass freely in lateral direction through said slot of the bearing opening in said bottom wall of the door, said crank pin projecting outwardly beyond said bottom wall, said keeper engaging member having an upstanding sleeve portion on said bearing por-

which its other end is operatively connected, the improvement in the aforesaid mechanism which consists in this, namely, that the sum of the pitch diameters of an idler of the second pair and an idler of the third pair is less than the pitch diameter of an idler of the first pair, that the pitch diameter of an idler of the fourth pair is less than the pitch diameter of an idler of the third pair, and that the distance between the longitudinal center line of the ram and a line connecting the points where the cables are attached to the ram is equal to two-thirds of the difference between the diameter of an idler of the fourth pair and the radius of an idler of the third pair.

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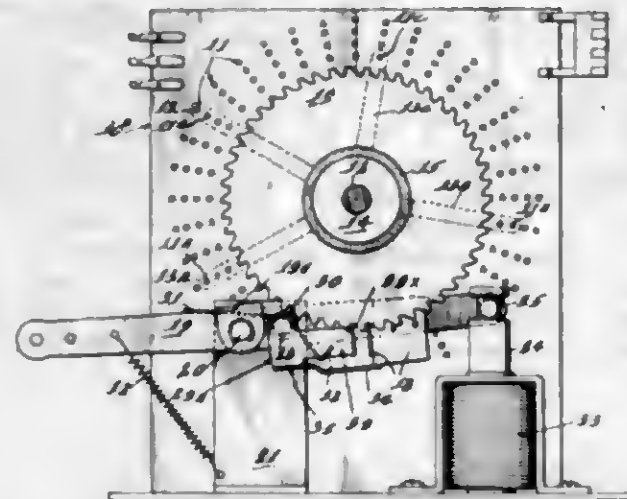
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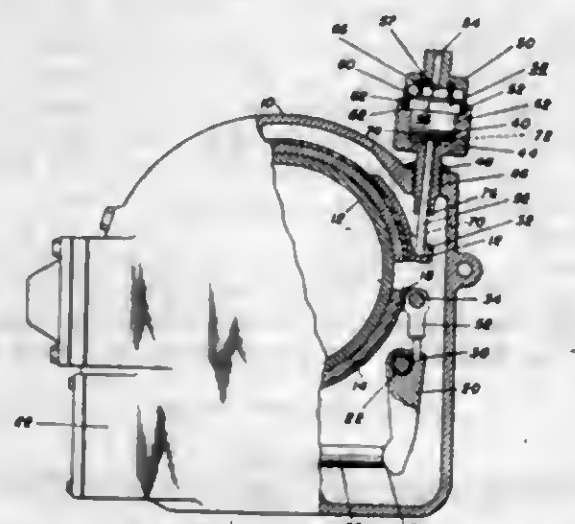


stop for the second pawl and engageable with the first pawl to limit the aforesaid radial advance of the second pawl relative to the first pawl, said pawls being spaced apart in the direction of travel of said teeth a distance greater than the distance between the leading edges of any pair of successive teeth and less than the distance between succeeding trailing edges measured at the apex, and electromagnetic means acting to move said lever to withdraw said pawls from said teeth.

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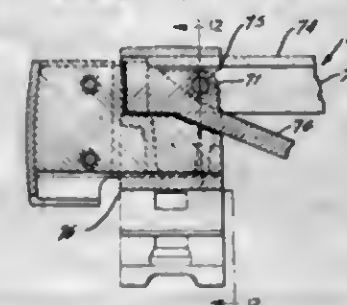
1. In a planetary gear train, a releasable member, a brake band having actuating and anchor ends to lock the releasable member against rotation to transmit torque through the gear train, means operably connected to the actuating end of the brake band to clamp the brake band to the releasable member, a stationary member, the combination therewith of a brake modulating device comprising a cylinder carried by the stationary member, a piston slidably mounted in the cylinder, connecting means between the piston and the anchor end of the brake band, the cylinder having a fluid inlet port on the side of the

piston opposite the connecting means, a source of fluid under pressure in fluid communication with said port, a valve controlling the inlet port, and yielding means urging the valve toward the open position, whereby the anchor end of the brake band is moved in the brake releasing direction in opposition to fluid pressure exerted in the cylinder.

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3. In a railway truss type brake beam, a compression member and a tension member with their adjacent end portions converging and interengaging, a part adapted to engage an adjacent support bracket and secured directly to said tension member end portion, and a brake head having a passage receiving the adjacent end portions and said part and maintaining interengagement of said end portions.

2,627,948

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11 Claims. (Cl. 189—36)



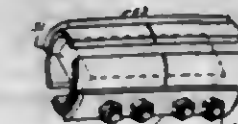
1. In combination two flat elongate members engaged one over the other, one of said members having a longitudinally disposed tongue with a shoulder at the outer end portion thereof facing longitudinally of said member, the other member having a lug projecting from the plane thereof into the plane of the first mentioned member and having a shoulder opposed to and engaged by the shoulder of the tongue, one of the members having a tab at one longitudinal edge thereof deformed to working position overlying the other member from one edge thereof where it positively holds the outer end portion of the tongue flat against the other member with the shoulders engaged, there being parts on the members spaced longitudinally from the lug and tab and cooperatively engaged when the shoulders are engaged and holding the inner end portion of the tongue against the other member.

607 O. G.—26

2,627,949

DEMOUNTABLE SHELTER

Corwin D. Willson, Flint, Mich.
Application September 16, 1946, Serial No. 697,254
7 Claims. (Cl. 189—36)

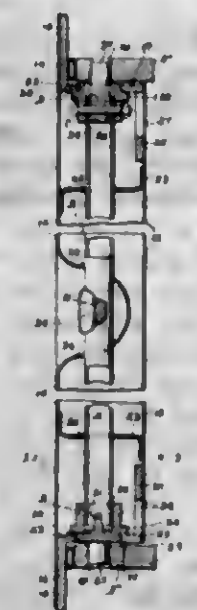


4. In a housing of the covered frame type, a frame member comprising butt-joined curvilinear segments, each consisting of metallic strips fashioned concavely in cross section and secured intermittently lengthwise in fixed relation side to side with opposing margins parallel to form continuous slots along opposite sides and inwardly opening into an inmost hollow, and means to fasten the segments end to end comprising common tie members interiorly and exteriorly of the channels lying across adjoining ends of the segments and means transfixing said segments and tie members to lock the same together without interrupting access through said slots into said hollow.

2,627,950

DOOR FASTENER

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application January 24, 1947, Serial No. 724,173
1 Claim. (Cl. 189—46)



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tion thereof integral therewith, said keeper engaging member being laterally insertable through said opening in the vertical wall of the door; a tubular operating bar within said door having its bottom end telescoped within said sleeve portion; and interlocking means on said bar and sleeve for locking the keeper engaging member to the bar for rotation therewith.

2,627,951

PROTECTIVE PANEL FOR JALOUSIE WINDOWS

Lawrence J. Mitchell, Miami, Fla.

Application January 2, 1952, Serial No. 264,381

1 Claim. (Cl. 189-64)



In a jalousie window having a plurality of glass louvers pivotally supported at their opposite ends in overlapping relationship on substantially horizontal axes, removable protective panels for said louvers, the said panels each comprising a metallic sheet having a length greater than the length of a louver and adapted to overlie the exposed outer face of a louver, opposed longitudinal edges of the sheet being angularly bent to provide opposed channels having a width greater than the thickness of a louver and terminating in flanges for engaging the inner face of a louver to prevent lateral displacement of the panel, the lowermost of the flanges being longer than the uppermost of the flanges to provide the said channels, the lowermost of said channels being thus relatively deeper than the uppermost of said channels so that when the panel is applied to a louver the said lowermost channel may engage the lowermost edge of the louver, the uppermost channel passed over the uppermost edge of the louver and the panel then shifted downwardly whereby fully to engage the uppermost channel with the uppermost edge of the louver, the width of said channels being sufficiently greater than the thickness of a louver so that when the panel is so applied and shifted and the louver is closed the exposed overlying length of the panel is spaced from the outer face of the louver a slight distance sufficient to absorb the impact of objects normally tending to break the louver.

2,627,952

TRAVELING BAG

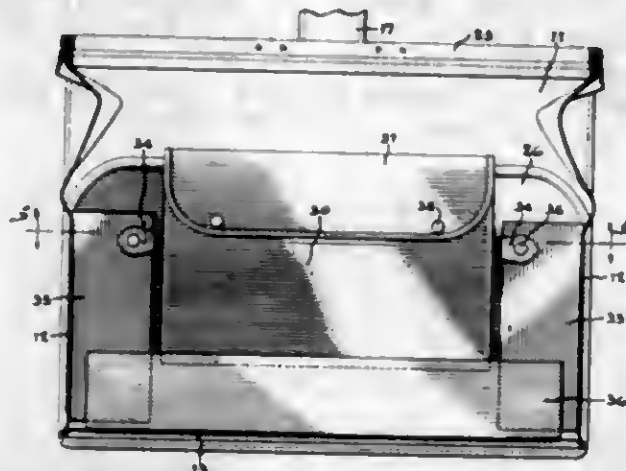
Don Korchmar, Cincinnati, Ohio.

Application December 7, 1950, Serial No. 199,700

1 Claim. (Cl. 190-44)

In an article of luggage comprising a pair of side walls, a pair of end walls and a bottom, said article of luggage having a plurality of vertically disposed partition walls for dividing the interior of the article into compartments lengthwise of the

article, means for selectively reinforcing the end walls and base of one of said compartments to adapt the same for the holding of apparel, said means comprising a pair of rigid flaps, said flaps being pivotally mounted on vertical axes one at each end of said apparel compartment and being adapted to swing on said axes from a position adjacent the partition wall of the apparel compartment to a position adjacent to and reinforcing the end walls of said compartment, means for selectively securing the flaps to the partition



wall and to the end walls, a rigid bottom reinforcing member pivotally mounted on a horizontal axis on the partition wall at the base thereof and being adapted to be swung to a position parallel to and closely adjacent the bottom, a flexible flap adapted to be stretched across the top of said apparel compartment for enclosing said compartment, and means for securing said flap in such position, whereby said apparel compartment is completely segregated from the other portions of the interior of the article and reinforced at its ends and on the bottom.

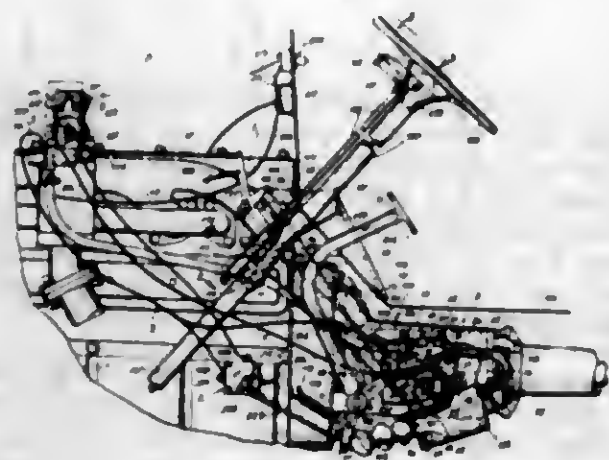
2,627,953

PEDALLY-CONTROLLED POWER-OPERATED CLUTCH

Glenn T. Randol, Detroit, Mich.

Original application December 10, 1941, Serial No. 422,332, now Reissue Patent No. 23,562, dated October 7, 1952. Divided and this application October 8, 1945, Serial No. 621,086

37 Claims. (Cl. 192-.073)



1. In a control mechanism for use with an automotive vehicle clutch having a movable engaging and disengaging member and being associated with an internal-combustion engine having an accelerator mechanism, power-operated means having a movable element operably connected to the movable member of the clutch,

and a source of power; the improvements which comprise power control means for connecting the source of power to the power-operated means to cause it to operate, means for causing the control means to be in yieldably locked connecting position when the accelerator mechanism is in either released position or in a position substantially at the limit of its normal range of operation, or in disconnecting position when the accelerator mechanism is in its normal operating range, and means for so controlling the power-operated means when the control means is disconnected that the rate of clutch re-engagement can be varied, said last-named means being separate from the control means and operated by the accelerator mechanism when it is moved into its operating range from either the released position or from a position substantially beyond its normal operating range.

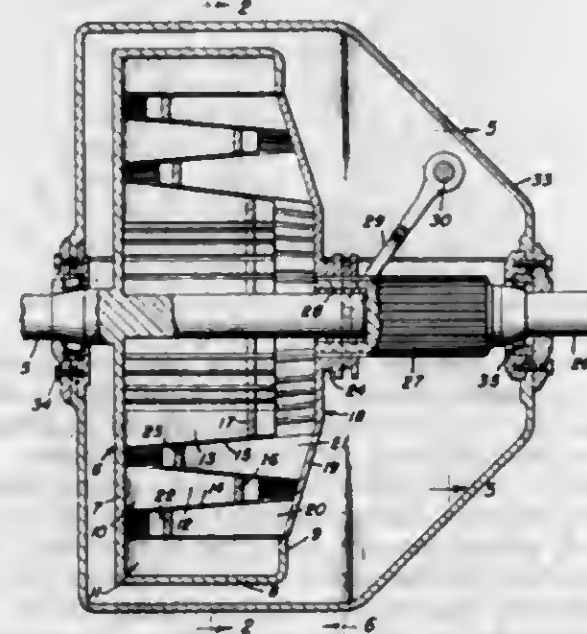
2,627,954

FLUID TRANSMISSION

Warren E. Lewis, Bradley, Ill.

Application November 15, 1948, Serial No. 60,098

3 Claims. (Cl. 192-3.2)



1. A fluid transmission comprising a casing for containing a liquid, a one-piece power shaft and a driven shaft journaled in opposite sides of the casing, a hollow rotor fixed to the power shaft and having an open side, a second rotor slidably keyed to the driven shaft at the open side of the first named rotor, and vanes projecting from the opposing sides of the rotors, said vanes being of elongated flat tapering construction disposed parallel to the axis of the shaft and arranged in concentric rows with the rows of vanes of one rotor working between the rows of vanes of the other rotor into and out of edgewise frictional engagement with each other.

2,627,955

SELF-ENERGIZING MEANS FOR INTER-ENGAGING SYNCHRONIZER FRICTION PLATES

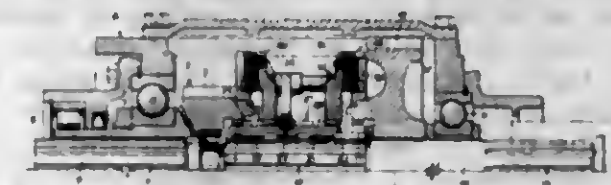
Charles M. Perkins, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, a corporation of Delaware

Application January 12, 1951, Serial No. 205,721

6 Claims. (Cl. 192-53)

1. In a device for synchronizing the speed of a first element having a first set of engageable teeth, and rotating at a selected rate, with the rota-

tional speed of a coaxial second element, having a second set of teeth engageable with the first set of teeth and, prior to synchronization, rotating at a faster rate than, and in the same direction as, said first element, one of said sets of teeth being axially movable toward and away from the other set of teeth, the combination comprising: a first ring; a second ring coaxial with said first ring and connected with said first element; means solely on said rings effecting axial relative



motion of said ring towards each other upon rotative motion of said first ring with respect to said second ring; one frictional surface rotatable with said first ring and a second frictional surface rotatable with said second ring, said surfaces engaging each other with increasing force as said rings move toward each other; and means integral with said rings holding said rings against rotative motion with respect to each other until an external force is applied urging said first ring toward said second ring.

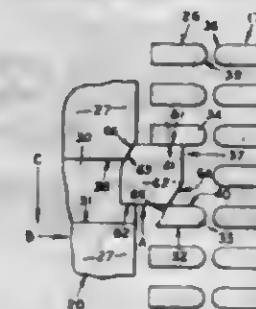
2,627,956

INTERENGAGING TOOTH STRUCTURE FOR SYNCHRONIZERS

Charles M. Perkins, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, a corporation of Delaware

Application January 12, 1951, Serial No. 205,722

4 Claims. (Cl. 192-53)



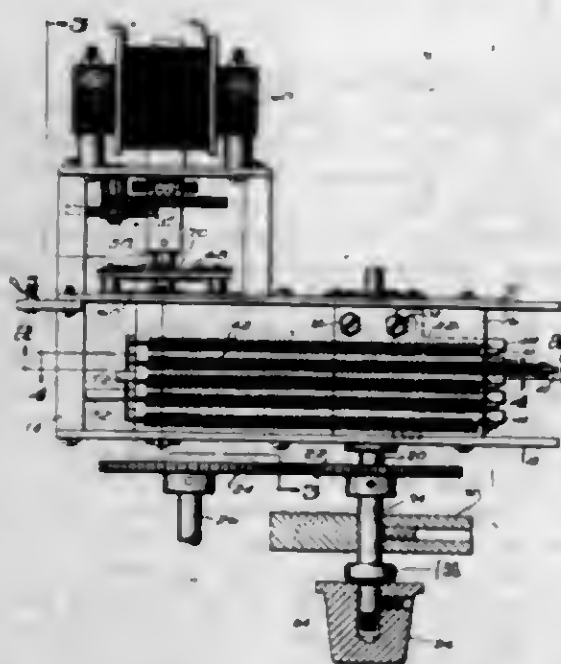
1. In a synchronizing mechanism for a pair of toothed clutch elements wherein a first set of teeth on a first clutch element is immediately prior to synchronization always going faster than a second set of teeth on a second clutch element, the combination comprising: means supporting said pair of toothed clutch elements for relatively shiftable movement into and out of engageable relation with each other, said toothed clutch elements being circumferentially spaced apart at such distances as to permit snug interfitting thereof when in mutually engaged position excepting that at least one adjacent pair of teeth of said first set of teeth is spaced apart a center-to-center distance twice that of the normal spacing of said teeth; a pair of opposed walls axially spaced from said first group of teeth and rotatable therewith, the first of said walls being behind the first tooth of said first wall and said pair of teeth, said tooth being the ones of said walls and said pair of teeth, respectively, which are leading in normal rotative operation of said mechanism and the second of said walls being positioned intermediate said teeth; a first ring supported for rotation with the second clutch ele-

ment and supporting a first group of annular friction plates in non-rotatable but axially movable relationship therewith; a floating ring supporting a second group of annular friction plates inter-leaved with said first group thereof, said plates being in non-rotatable, axially movable relationship with said floating ring; a balk tooth on said floating ring and disposed for alternate positioning between said pair of teeth and between said pair of walls upon axial and rotational movement of said floating ring, said balk tooth being of such circumferential extent as to have sliding clearance only as it enters between said pair of teeth and between said pair of walls, and said balk tooth being beveled at its corner adjacent the first of said pair of teeth and beveled also at the diagonally opposite corner thereof, the adjacent corner of the first of said teeth being correspondingly beveled to provide a surface in substantial alignment with the adjacent surface of said balk tooth and the second of said pair of walls being also beveled in substantial alignment with said corner of said balk tooth, and the said axial spacing of said walls from said pair of teeth being a distance less than the corresponding length of said balk tooth; whereby so long as said first group of teeth is moving faster than said second group of teeth said balk tooth will be held snugly between said pair of teeth and unable to move circumferentially with respect thereto and its second beveled corner will be against the beveled surface of said second wall to prevent movement of said first group of teeth toward said second group of teeth, and as said first group of teeth come into synchronization with said second group of teeth said second wall will be enabled to move away from the engaged surface of said balk tooth to enable said walls to rotate with respect to, and simultaneously move toward, said second group of teeth for engagement snugly on both sides of said balk tooth.

2,627,957

SHAFT POSITIONING APPARATUS

Richard W. May, Lexington, Mass., assignor to National Company, Inc., Malden, Mass., a corporation of Massachusetts
Application June 20, 1950, Serial No. 169,208
12 Claims. (Cl. 192—142)



1. Shaft positioning apparatus comprising a shaft having a series of gears thereon, racks meshing with each gear at opposite sides thereof, a sliding rack actuator for each gear, a cam

shaft having a cam for each actuator, each cam being shaped to provide for movement of the actuator to an extreme position during which movement it drives the racks and for its return from such position to an idle position, both in a limited angular movement of the cam shaft, the cams being angularly offset to provide for such movement of the actuators in regular recurrent order on complete rotations of their shaft, a motor driving the cam shaft, a plurality of manually controlled switches corresponding to the cams each controlling a circuit for energizing the motor and an interrupter switch rotating in tuned relation to the motor to break such circuits when the corresponding cam has caused movement of its actuator to its extreme position.

2,627,958

CLOSURE, PARTICULARLY CLOSURE FOR SAND BOXES OF VEHICLES

Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 1, 1949, Serial No. 119,188
4 Claims. (Cl. 193—33)

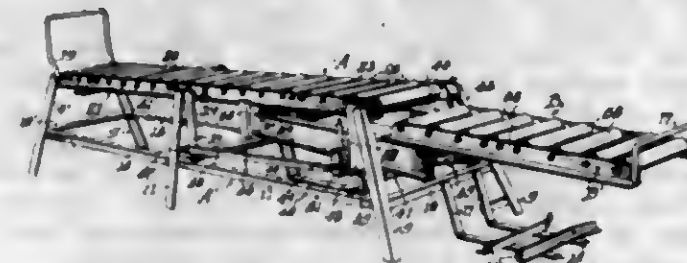


2. Closure means, as for a sand box, comprising in combination with a generally vertical wall having an exposed filling opening therein, a frame for said opening including an inner face and outer retaining flanges, an inner closure provided on the inner side at the bottom with a curved plate loosely hinging it on the lower edge of the frame, side chute plates on the inner side of the inner closure connecting with the bottom hinge plates to form a filling chute, weather-stripping extending completely around the inner surface periphery of said inner closure, said weatherstripping on the bottom and sides being located outside and being protected from material passing through the chute by said hinge and chute plates, laterally extending side elements on said chute plates retaining the inner closure at an angle with the frame and against falling outward from open position, vertically aligned bowed leaf springs secured on the outer surface of the inner closure, an outer closure slidably mounted beneath said retaining flanges and movable over said leaf springs, a weather seal shed enclosing the upper end of the outer closure when closed, lugs on the inner surface of said outer closure riding up over the crest of said springs when the outer closure is pushed up to closed position to hold it closed, and hooks on the top of said outer closure engageable with resilient pads to support the outer closure when lowered to open position, the interaction of said springs when the closures are closed pressing the weatherstripping of the inner closure tightly against the frame face and pressing the outer closure tightly against its retaining flanges to form a weather shedding shingling seal, the lower edge of the outer closure being spaced outwardly from the other parts to avoid water creepage.

2,627,959

MATERIAL HANDLING MECHANISM

Edgar Carl Seward, Alexandria, Va.
Application February 28, 1951, Serial No. 213,188
5 Claims. (Cl. 193—35)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. A fast-clearing roller type conveyor comprising a stationary section including a stationary frame and roller conveyor elements mounted on the stationary frame, an adjustable section including an adjustable frame and roller conveyor elements mounted on the adjustable frame, means interconnecting the stationary frame and the adjustable frame, inverted channel track members carried by the stationary frame longitudinally thereof, anti-friction supporting means connected to the adjustable frame engaging an upwardly disposed surface of the inverted channel track members for movement therealong for shifting the adjustable frame and conveyor elements mounted thereon between an extended position projecting beyond the stationary section and a retracted position entirely enclosed in the stationary frame with the conveyor elements on the adjustable frame nested below the conveyor elements on the stationary frame, the said inverted channel track members being pivotally connected to the stationary frame at one end and having free opposite ends, and rotary lifting cams mounted on the stationary frame and bearing interiorly against the inverted channel track members for lifting the adjustable frame vertically with reference to the stationary frame from a low position to an elevated position with the conveyor elements on the adjustable frame substantially flush with the conveyor elements on the stationary frame by presenting a continuously even conveyor surface.

2,627,960

LOADING CONVEYER

Julian J. Eberle, Wauwatosa, Wis., assignor to The Journal Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 18, 1947, Serial No. 761,778
20 Claims. (Cl. 193—35)



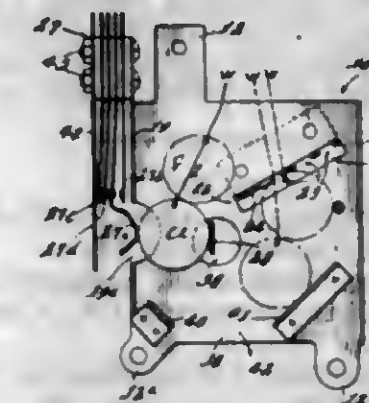
1. In a conveyor, the combination with a first conveyor frame, of an extension conveyor frame telescopically slidable respecting the first conveyor frame, the first conveyor frame being provided with supporting rollers upon which the extension conveyor frame is wholly adjustably supported by the first conveyor frame and with co-

acting rollers holding the second conveyor frame to the first mentioned supporting rollers for the full support of the extension frame in all positions of telescopic sliding movement thereon.

2,627,961

COIN CONTROL

Walter M. Burnside, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application February 1, 1946, Serial No. 644,716
4 Claims. (Cl. 194—9)

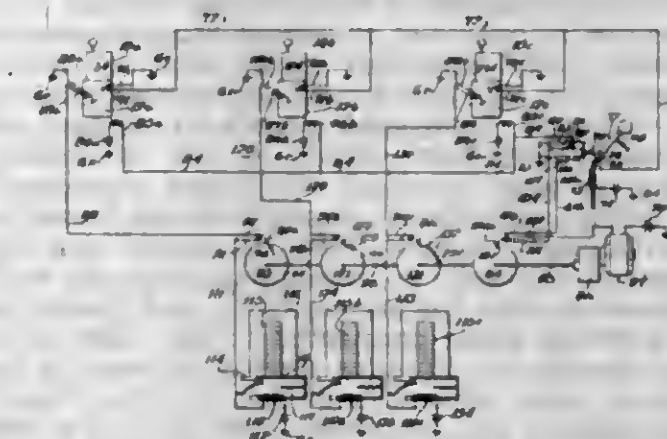


1. In a coin chute, a captive-coin trap comprising a chute section into which a coin gravitates, a switch to be operated by a said coin, a movable deflector spaced from said switch such that a coin of predetermined diameter lodged between the same and said switch will actuate the latter, means yieldingly urging the deflector out of deflecting position, electromagnetic means in a circuit normally closed by said switch to hold said deflector in deflecting position, and a coin trap including at least a runway portion angled downward toward said deflector and switch with a lower terminus disposed above and away from said deflector on the side of the latter away from said switch, a filament trapping formation in said chute section adjacent said runway, and the latter and said deflector in normal position co-operating to trap a captive coin and prevent retraction thereof upwardly therepast.

2,627,962

PLURAL SWITCH COIN-CONTROL AND CIRCUIT THEREFOR

Sam May, Chicago, Ill., assignor of one-half to Raymond T. Moloney, Chicago, Ill.
Application July 19, 1945, Serial No. 605,966
7 Claims. (Cl. 194—10)



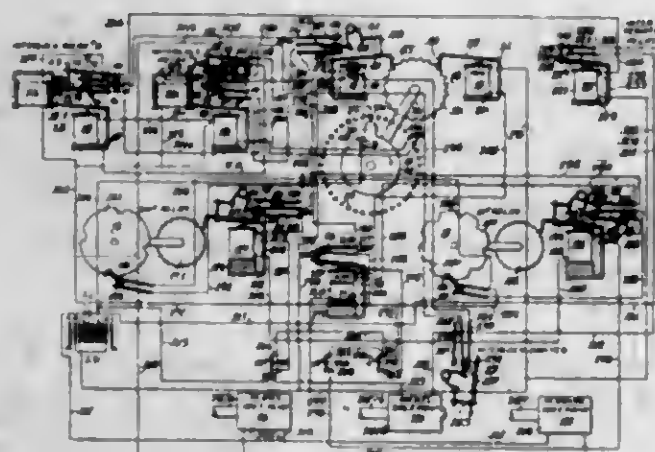
1. Coin control apparatus adapted to control electrically actuated dispensing means, and com-

prising: electrically actuated switch means and normally incomplete circuits therefor for actuating said dispensing means, electrically controlled main operating means for actuating said electrically actuated switch means, and a coin control adapted to receive a coin in a first position, coin switch means actuated by a coin in said first position and conditioning said main operating means for operation, electrically operated means for transporting said coin from first to second position responsive to operation of said main operating means, a second coin switch means actuated by a coin at second position to complete said dispensing switch circuits for operation by said electrically operated dispensing switch means, and means cooperable with said transporting means for preventing movement of a coin back toward first position from said second position.

2,627,963

COIN-CONTROLLED APPARATUS AND CHANGE MAKER

Marvin G. Nelsen, Skokie, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application April 15, 1947, Serial No. 741,631
13 Claims. (Cl. 194-10)



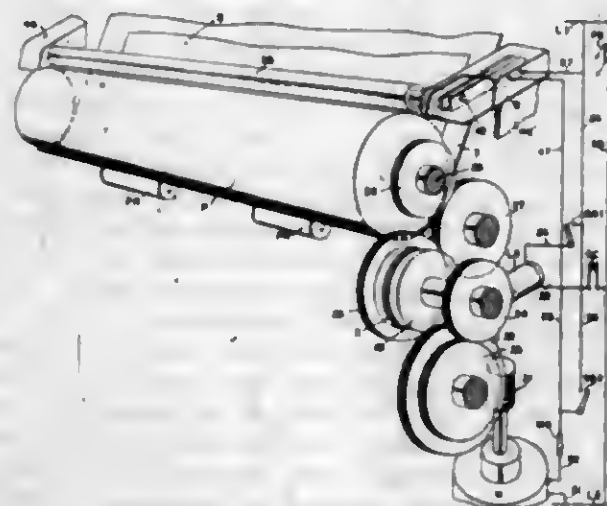
1. Apparatus for vending an article comprising an electrical circuit connected to opposite sides of a source of power, a plurality of normally open coin responsive switch means in said circuit adapted to be closed by coins of different denominations, one of said coin responsive switch means being responsive to a coin representing a single unit and another being responsive to a coin representing a multiple of a single unit, an electrically operated add stepper means and an electrically operated subtract stepper means for respectively crediting and debiting units represented by said coins, said add stepper means being energized from said circuit by closure of said single unit coin switch, a set of spaced contacts, at least some of which are connected to one side of said circuit, contact means movable by said stepper means from an initial one of said spaced contacts to subsequent contacts and then back to the initial contact, said movable contact means being connected to the other side of said circuit, an impulse means responsive to said other coin responsive switch means, means for translating the impulses from said impulse means to operate said add stepper means to credit the proper number of units and to move said contact means past a plurality of said subsequent contacts, article delivery means, an elec-

trical relay including a pair of coils, means for energizing one of the coils of said relay when said add stepper means has moved said movable contact means a sufficient distance to pass a first predetermined contact and to engage or pass a second predetermined contact, the energization of said coil serving to prepare a plurality of circuits, one of which includes the first predetermined contact, means for energizing said subtract stepper means to return said contact means to said initial contact after the add stepper means has credited units corresponding to all of the coins utilized, an electrically operated means including said one of the plurality of prepared circuits for operating said article delivery means when said movable contact passes or engages said first predetermined contact after said one circuit has been prepared.

2,627,964

SAFETY DEVICE FOR RECORD FEEDING CONTROLS

Harold R. Wood, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 17, 1951, Serial No. 216,230
3 Claims. (Cl. 197-127)



1. In a paper feeding device, a frame therefor, a platen roller mounted in said frame, a main operating means, a clutch between said main operating means and said roller, a removable safety bar mounted in said frame to block objects from being caught between the roller and the frame, a magnet for controlling said clutch, and a circuit for said magnet including a pair of normally open contacts, said contacts being closed by said safety bar when it is mounted in the blocking position.

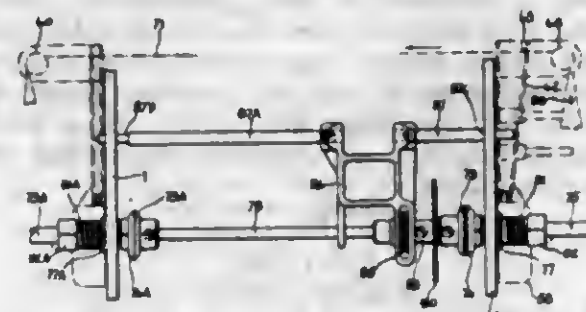
2,627,965

RIBBON PROGRESSING AND REVERSING DEVICE

Ivan G. O. Brown, Yate, England, assignor to The British Vacuum Cleaner and Engineering Company Limited, Leatherhead, England, a British company
Application September 8, 1950, Serial No. 183,875
In Great Britain May 4, 1949
7 Claims. (Cl. 197-165)

1. A ribbon progressing and reversing mechanism, comprising a pair of axially aligned spindles

to carry respectively a pair of spools for a ribbon having stop members thereon adjacent to its respective ends, a driving shaft extending axially between the spindles and movable axially in one or the other direction, pairs of driving members on said shaft and the respective spindles, either of the pairs of driving members being engageable and the other pair thereof being disengageable by axial movement of said shaft in one or the other direction, a cam mounted on said shaft and having reversely sloping faces, a spring act-

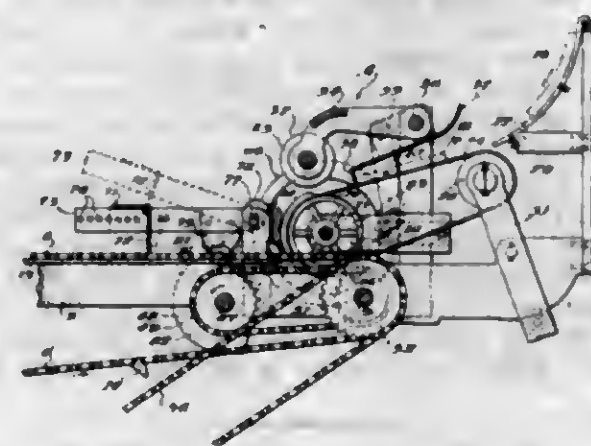


ing on said cam, a pair of pivoted levers having slots therein for the passage of the ribbon through and displaceable by abutment therewith of the respective stop members on the ribbon, and an actuating member cooperative with said spring and movable in one or another direction by the respective pivoted levers to shift the spring from one to the other face of the cam and thereby cause the spring to act on the cam to move said shaft in a direction to disengage one pair of driving members and to engage the other pair thereof.

2,627,966

FEED MECHANISM FOR BOOK TRIMMING MACHINES

Charles L. Moyer, deceased, late of Chicago, Ill., by Clifford S. Bassett, executor, Chicago, Ill., assignor to C. L. Moyer Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1947, Serial No. 793,076
9 Claims. (Cl. 198-20)



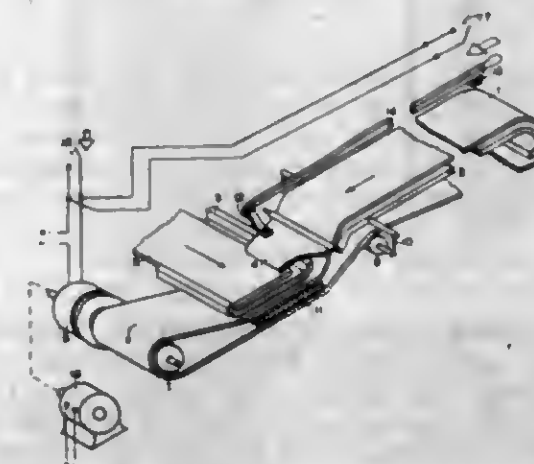
1. In a feed mechanism for a book trimming machine, a delivery table provided with a receiving end and a discharge end, an endless feed conveyor including push lugs to move books along said delivery table from the receiving end to the discharge end thereof, and a book transfer mechanism to discharge books onto the receiving end of said delivery table, said transfer mechanism comprising an endless transfer conveyor to convey a book downwardly directly onto said feed conveyor, common drive means to drive said feed conveyor and said transfer conveyor, a primary stop member alternately movable into and out of the line of travel of books moving along said transfer conveyor, said primary stop member coacting with said transfer

conveyor to arrange the leading edge of a book in a plane normal to its line of travel, means operable responsive to movement of said transfer conveyor to actuate said primary stop member, and stop means operable responsive to movement of the feed conveyor to hold the books in position for engagement by said push lugs.

2,627,967

CONVEYER SYSTEM

Thomas S. Skillman, Mosman, near Sydney, New South Wales, Australia, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application August 28, 1947, Serial No. 771,010
In Australia September 9, 1946
4 Claims. (Cl. 198-79)



1. Arrangement for the storage and subsequent release of articles comprising a plurality of storage belts arranged in close proximity to each other and adapted to support stored articles, each of said belts passing a loading point and a releasing point and being movable progressively for the release of said articles by driving means so arranged that said belt is freely accessible at said loading point, and means to facilitate loading each said belt with articles, said last-mentioned means comprising a stop member and actuating means to move said stop member into the path of articles to be released by said belt at its releasing point, and means to start said driving means to move articles placed on said belt at its loading point forward until the foremost article rests against said stop member, said belt moving following articles successively against said articles resting against said stop member while sliding underneath said stopped articles.

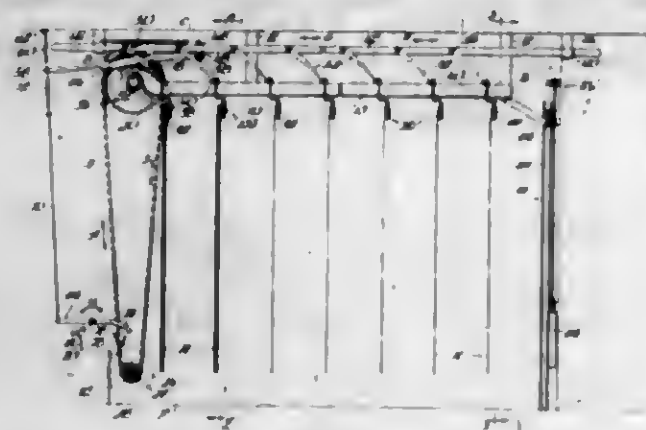
2,627,968

ARTICLE-HANDLING HOIST AND CONVEYER

Martin A. Thompson, Davenport, Iowa
Application February 23, 1950, Serial No. 145,829
15 Claims. (Cl. 198-106)

1. Apparatus for handling rugs or like articles, comprising: support means including a pair of generally horizontal track members disposed in transversely spaced apart parallel relationship above the ground or floor and having receiving ends and discharge ends; transfer means including a pair of coaxial wheels respectively rotatable in parallel upright planes spaced apart a greater distance than the spacing between the track members so that the wheels are respectively outside and adjacent to the receiving ends of the track members; elevating means including a pair of upwardly moving elements spaced apart transversely on the order of the spacing of the wheels and having upper portions guided by the wheels

toward the receiving ends of the track members, each pair of elements having a carrier movable upwardly therewith, said carriers being transversely aligned and adapted to receive opposite ends of a transverse bar on which a rug or like article is carried, said carriers being guided by the wheels for transfer of such transverse bar to the receiving ends of the track members; advancing means movable lengthwise of the track members in opposite directions away from and toward the wheels and engageable with a portion of such transverse bar on the track members when moving away from the wheels but adapted to overrun such bar portion when returning to-

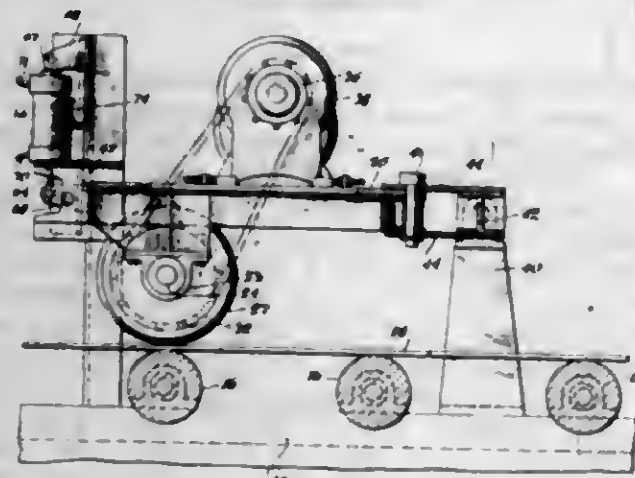


ward the wheels; operating means for moving the advancing means away from the wheels; means for returning the advancing means toward the wheels; drive means connected to the operating means and connectible with and disconnectible from the elevating means; means normally effecting disconnection of the drive means from the elevating means; and actuating means for effecting connection of the drive means and the elevating means, including a control element positioned between the elevating elements so as to be free from the elevating elements but arranged to be engaged by a transverse bar between the carriers for effecting connection of the drive means and the elevating means.

2,627,969

APPARATUS FOR ADVANCING PLATE MATERIAL

Frederic M. Darner, Shaker Heights, Ohio, and Roy E. Brakeman, Gadsden, Ala., assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application June 14, 1949, Serial No. 99,104
8 Claims. (Cl. 198-127)



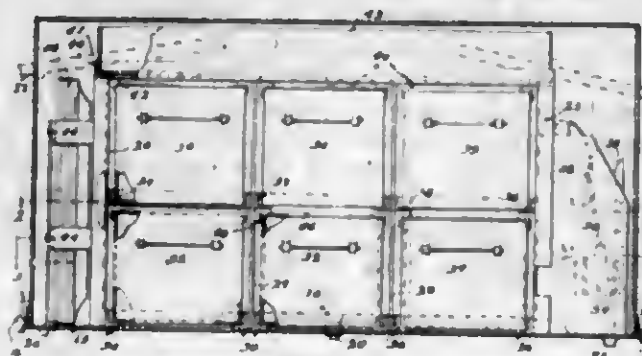
4. In apparatus for advancing plate material and the like along a path which has a plurality of roller means idling on axes extending transverse of the path for rolling travel of a plate, in

combination, a platform, resiliently-tired roller means, bearing means carried by the platform and mounting the roller means for rotation below the platform, driving means carried on the platform and having driving connection to the roller means to turn the same, stationary supporting means adapted to be disposed over the roller path, means pivotally mounting said platform to said supporting means, so that the platform is disposed over the path for rolling engagement of the roller means with a plate carried on the path, said pivotal mounting means providing swinging adjustment of the platform on a vertical axis, and stop means extending from said stationary supporting means and comprising adjustable members adapted to engage opposite sides of the platform, for holding the latter in a selected position of angular adjustment about the afore-said vertical axis.

2,627,970

PICNIC BOX

Burl V. Perkins, Arkansas City, Kans.
Application February 20, 1952, Serial No. 272,548
6 Claims. (Cl. 206-4)



1. A picnic box of the character described comprising a casing including a cover member and bottom, said cover member including a top wall, side walls and end walls, latching means detachably latching the bottom directly to the cover with the side and end walls of the cover resting on and rising from said bottom, a rack structure fixed to the upper side of the casing bottom and disposed within the cover, when the cover is latched to the bottom, said rack structure including a plurality of spaced upright posts and a plurality of drawer supports of angular cross section connected to said posts and combining to define a plurality of drawer receiving chambers, and a plurality of drawer-like containers mounted in said chambers and slidably supported by the drawer supports for movement into and out of engagement with the rack structure, said containers being retained in the rack structure by the cover when said cover is latched to the bottom.

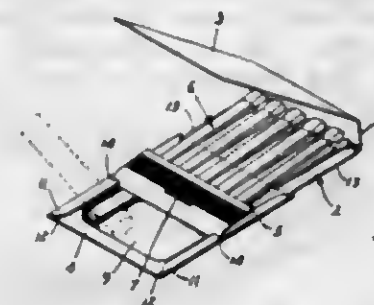
2,627,971

DETACHABLE ASH TRAY FOR MATCH PACKS

Ray H. Garber, Minneapolis, Minn.
Application December 6, 1950, Serial No. 199,490
1 Claim. (Cl. 206-37)

An ash tray adapted to be frictionally secured to the back wall of a conventional match book formed by folding one end of a strip of cardboard upon itself to provide a U-shaped fold between the walls of which a plurality of matches are secured and whereby the remaining portion of the strip of cardboard may be folded over the matches to provide a closure therefor, said ash tray being formed from a single blank of sheet metal and comprising a rectangular wall portion having its major central portion depressed to pro-

vide an enlarged open receptacle, the opposed marginal side edges of said body being inwardly folded over adjacent wall portions thereof and spaced therefrom to provide inwardly facing elongated parallel grooves adapted to receive the opposed side edges of the back wall of a match book, thereby to detachably secure the receptacle in position thereon, the corners of said inwardly

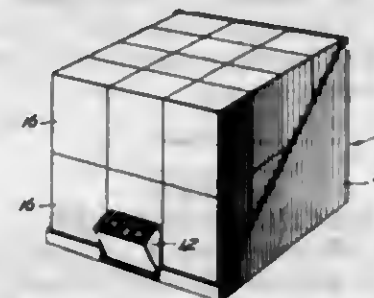


turned flanges at one end of said tray being outwardly curved from their inner edges whereby said edges may readily be forced through the ends of said U-shaped fold to permit one end of the tray to be projected from beneath the back wall of the match book and whereby the ash tray is frictionally retained in position on the match book regardless of whether in open or closed position.

2,627,972

SAMPLE DISPENSING DEVICE

Raymond B. Roos, Morristown, N. J.
Application May 6, 1948, Serial No. 25,433
1 Claim. (Cl. 206-44.11)



The combination in a merchandising device of a plurality of sales packages for sale of a food product, and a sampling package closely associated therewith having a portion of its face hinged whereby to open and expose its contents to invite sampling thereof, and inwardly extending wings at the side edges thereof to hold the exposed contents in the opening, said sampling package being positioned at the bottom of said combination with the other packages freely held adjacent thereto, whereby they can be removed individually, when sold, without disturbing said sampling package, which further includes a base to which the sampling package is secured, and on which the other packages are supported, whereby they hold the sampling package against removal.

2,627,973

MARBLE CARRIER

William V. Sines, Flint, Mich.
Application July 23, 1949, Serial No. 106,352
4 Claims. (Cl. 206-56)

2. A marble carrying and dispensing device comprising a container having side walls and a

bottom wall, said bottom wall being inclined downwardly toward one end of said container, said side walls being spaced apart a distance only slightly greater than the diameter of the marbles so as to maintain the marbles in said container in a single plane extending upwardly from said bottom wall, said container having an aperture at the lower end thereof and a slot connected with said aperture, and slot being of a width insufficient to pass a marble there-through, a wheel member mounted for rotation in said aperture and slot on an axis extending transversely of the plane of said sidewalls, said



wheel member being arranged to normally obstruct the passage of marbles through said aperture, said wheel member having a plurality of circumferentially spaced marble receiving pockets therein each adapted to accommodate a single marble, said pockets being arranged to bodily carry a marble out of said container through said aperture when said wheel member is rotated, said wheel member having peripheral portions thereof projecting outwardly beyond the walls of said container whereby said wheel may be rotated with a step by step movement by engaging said outwardly projecting peripheral portions with the fingers.

2,627,974

FACIAL TISSUE

Marion Donovan, Saugatuck, Conn.
Application April 6, 1951, Serial No. 219,627
6 Claims. (Cl. 206-57)



5. A package of facial tissues comprising a box-like dispensing container having a centrally located access opening running substantially lengthwise of the top section thereof and a plurality of facial tissues arranged in superimposed alignment therein, each of said tissues being formed of a plurality of individual superimposed plies of soft, absorbent material, all said plies of each said tissue being folded back together as a unitary structure upon the uppermost ply thereof along one side portion of said tissue to form a longitudinal multiple-ply tab at said side portion, said tab being accessible from the access opening, and each said ply of each said tissue being folded back separately upon itself along the opposite side portion of each said tissue to form a plurality of longitudinal single-ply tabs at said opposite side portion, the tab of the uppermost ply only being accessible from above, the tabs of both sides of each said tissue being parallel to the access opening in the top section of said container, whereby a pull exerted through said access opening upon the tab consisting of all plies will remove the entire tissue as a unitary structure from the container and a pull exerted through said opening upon the tab consisting of the single uppermost ply of said tissue will remove from the container only said single uppermost ply.

2,627,975

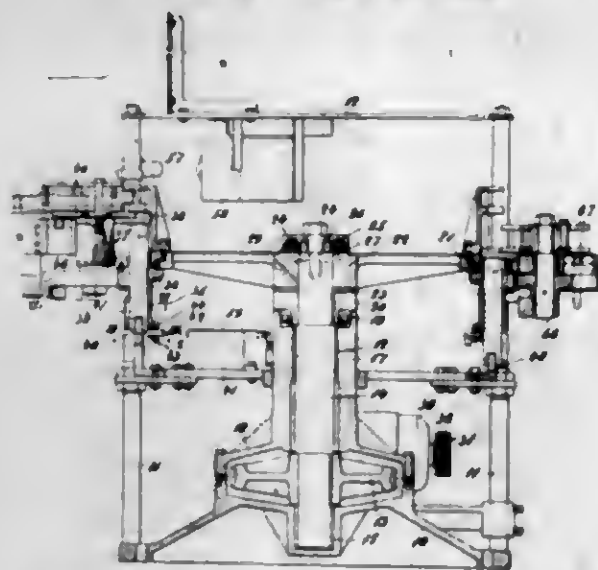
MACHINE FOR SORTING, ACCORDING TO COLOR, DIFFERENTLY COLORED BOTTLES AND SIMILAR OBJECTS

Karl Hans Robert Ekström and Carl Gustav Lundin, Eskilstuna, Sweden, assignors to Christian Berner Aktiebolag, Gothenburg, Sweden, a corporation of Sweden

Application May 18, 1949, Serial No. 93,926

In Sweden May 19, 1948

17 Claims. (Cl. 209-111)



1. A machine for sorting differently colored bottles, jars and other articles, according to color, which comprises in combination, a movable carrier, a plurality of bottle supporting shelves supported by and individually vertically shiftable in said carrier to different levels, a first conveyor adjacent said carrier for transporting unsorted bottles to said carrier, means associated with said conveyor for transferring the unsorted bottles successively from said first conveyor onto said shelves, means for positioning said shelves at a predetermined level before they receive the bottles from said first conveyor, photo-electric means arranged so as to respond to the color of the bottles passing by on said shelves, means controlled by said photo-electric means and operable to bring about gradual shifting movement of the respective shelves during continued movement of the carrier to a level position corresponding to the color of the article supported thereby except when the color of the respective article on a shelf is that pertaining to the said predetermined level of the shelves, at least two additional conveyors leading away from said carrier at different levels, one of said additional conveyors being arranged for receiving articles of a color different from the color of the articles received by another additional conveyor, and means respectively associated with said additional conveyors and operable successively to engage articles supported by shelves at the corresponding levels when said articles pass by said additional conveyors to thereby remove said articles from said additional conveyors and moving said articles onto the respective additional conveyor.

2,627,976

MAGNETIC SEPARATOR

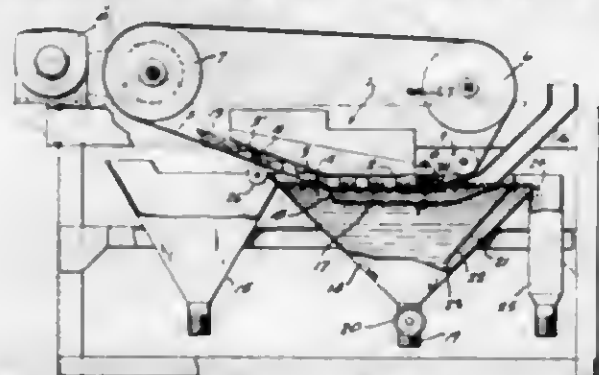
Roswell H. Stearns, Wauwatosa, and Harold W. Buus, Milwaukee, Wis., assignors, by direct and mesne assignments, of one-half to said Roswell H. Stearns and one-half to Roswell N. Stearns, Fox Point, Wis.

Application July 24, 1950, Serial No. 175,576

6 Claims. (Cl. 209-223)

1. A magnetic separator for separating magnetic and non-magnetic material in a submerged

state, comprising feeding means for said material, a liquid containing separatory chamber, a discharge tank, a magnet structure having a flat section and an angular section, a belt conveyor arranged to travel below said flat and angular sections, said sections of said magnetic structure having a series of magnetic fields constituting, respectively, separating and conveying zones for said material, said flat section having poles of alternate polarity and said flat section having its poles submerged in the liquid in said separatory chamber and being adapted to wash the material clinging to the under side of said conveyor belt and to discharge the non-magnetic portion of such material, the magnetic fields of said angular



section causing the conveying of the magnetic portion by said belt conveyor to the far end of said magnet structure where said material is dewatered by passing between a magnetized ferro-magnetic roller and said conveyor belt, said roller being inductively magnetized by flux lines from the end poles passing through the ferro-magnetic roller, said roller being actuated by the magnet structure to move in an upward direction, and counteracting springs controlling the pressure or squeeze on said material, said springs being adjustable to control the amount of water being removed from the magnetic material, and said material thereafter passing to a position of zero flux intensity thereby allowing said magnetic portion to be freely and automatically discharged into said discharge tank.

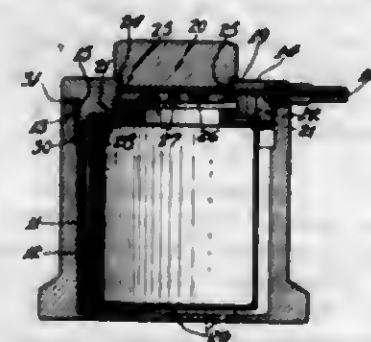
2,627,977

MIXING CHAMBER

Howard Kent, Maplewood, N. J., assignor of one-half to J. Vincent Volk, Newark, N. J.

Application November 30, 1949, Serial No. 130,302

1 Claim. (Cl. 210-36)



A mixing chamber for continuously dissolving and mixing solid materials in a liquid flowing therethrough comprising an outer chamber open at one end, a lid attached to the open end of the outer chamber and having a passage therein terminating in a discharge port, and said lid further having a central opening therein, a perforate inner chamber open at one end and positioned within the outer chamber with its open end connected to the opening in the lid, a cap for the top of the inner chamber attached to the

2,627,978

FLOATING THICKENER

Paul Alvie Curtis, Lakeland, Fla.

Application December 27, 1948, Serial No. 67,511

5 Claims. (Cl. 210-55)



1. In a liquid separation and purifying apparatus, a circular tank having a bottom wall sloping towards a center sediment removal trough, radially extending rake arms mounted in said tank so as to rotate about the center of the tank, arcuately shaped agitator rake members on said rake arms transversely thereof for directing sludge and sediment toward the center of said tank into the said sediment removal trough, a float member for said rake arms for supporting said rake members various distances from the bottom wall of said tank, a frame hinged at the end of the rake arms next to the center of the tank in parallel relation to said rake arms, a scraper element on the inner end of each frame at an angle thereto, a plurality of wiper elements carried by each of said frames inwardly of the scraper element, means connected to each of said frames to limit the downward movement of said frames, a launder at the outer periphery of the tank providing a circular marginal pathway about the tank, and means fixed to the outer ends of the rake arms and coacting with said pathway for the rotation of said radial rake arms.

2,627,979

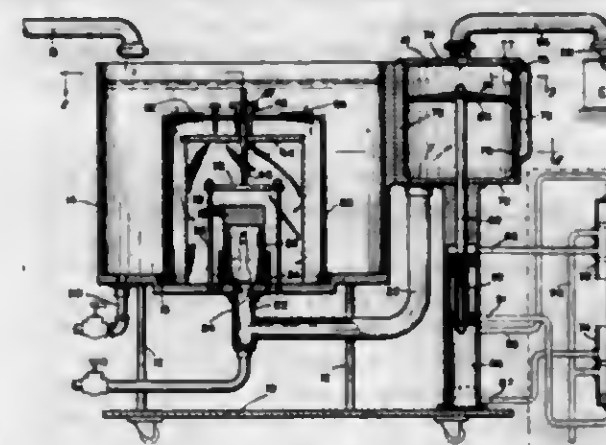
STRAINER MECHANISM FOR LIQUIDS

Harry Lamb, Madison, Wis., assignor to

C. M. Ambrose Company, Seattle, Wash.

Application January 30, 1950, Serial No. 141,194

11 Claims. (Cl. 210-152)



1. A strainer mechanism for heavy liquids, comprising: means forming a reservoir having a lower medial outlet, a strainer element having upright foraminous walls immovably rising above the floor of said reservoir around said outlet, a weighted cup mounted over said outlet and en-

closed within said strainer element and having a unidirectionally valved port permitting passage of liquids only from outside of said cup to said outlet, guide means for said cup guiding the same in vertical movement and said weighted cup being displaceable upwards by sufficient pressure of liquids within said cup, a reversely operable pump having a suction interval in which a measured amount of liquid is drawn through said strainer element, valved port and outlet having a non-withdrawal interval having one portion in which less than all of said measured quantity is discharged from said strainer mechanism and insufficient pressure is created within said cup to displace said cup and having a second portion in which undischarged liquid of said measured quantity is reversely fed back through said outlet with sufficient force to upwardly displace said cup and impart a "backwash" current upon the foraminous walls of the strainer element to dislodge accumulated unstrained matter that may have deposited thereon.

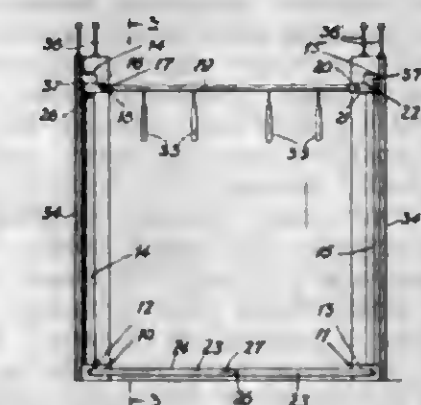
2,627,980

CONVERTIBLE CLOTHES RACK AND SCREEN

Ella Schwarz, New York, N. Y.

Application August 30, 1947, Serial No. 771,508

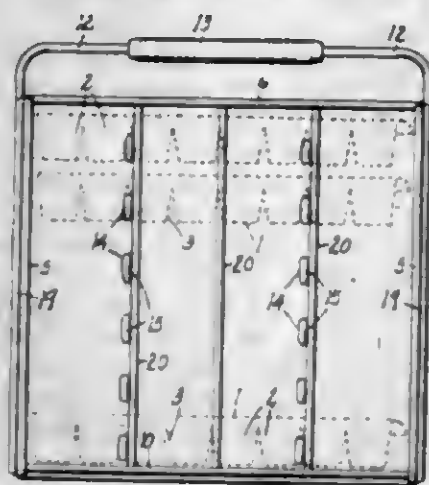
1 Claim. (Cl. 211-2)



A collapsible screen clothes rack comprising a pair of vertical frames, said frames comprising panels, foot pieces and upstanding rods, said panels being fixed to outer sides of the footpieces, said rods extending upwardly from the footpieces in spaced relation to and paralleling inner surfaces of said panels, means fixed to the panels supporting the upper end of said rods; said panels having intumed curved sides disposed beyond ends of the footpieces, a rigid bar coupling said rods for movement toward and from each other, one end of said bar having a fixed pivotal coupling at the upper end of one of said rods, a U-shaped member pivoted to the other end of said bar and slidably mounted on the other rod, means at the upper end of the second named rod engaging and retaining said member in fixed position and in horizontal alignment between said rods, means comprising hinged links pivoted directly to ends of said footpieces for collapsibly joining and bracing the footpieces of said frames, said panels being of a height substantially equal to the length of said bar and of a width substantially equal to one half the length of one of said panels, thus providing a tall, wide screen when the frames are together or a long rack when the frames are spaced apart, said bar and links controlling movement of the rack from extended to collapsed positions, and said intumed curved sides of the panels being brought into abutting engagement with each other when the rack is collapsed.

2,627,981

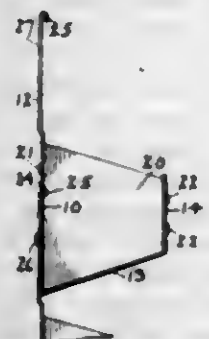
RACK FOR ICE CUBES AND OTHER TRAYS
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application November 3, 1947, Serial No. 783,719
8 Claims. (Cl. 211-71)



8. A rack for trays, the combination of a frame comprising front uprights and top and bottom rear members disposed generally horizontally and spaced rearwardly from said uprights and connected to the top and bottom portions of the uprights by top and bottom end members, said front uprights being integral with the said top and bottom end members and bent rearwardly at their upper and lower ends to provide said end members, rear uprights fixedly secured in laterally spaced relation to said top and bottom rear members, and a plurality of vertically spaced tray supporting arms having their rear ends fixedly secured to said spaced rear uprights, the arms being vertically spaced to receive a plurality of trays and permit selective positioning and removal thereof, said arms being horizontally disposed and projecting forwardly from said rear uprights, said rear uprights constituting the sole supports for said arms to facilitate insertion of the trays into the rack and onto said arms.

2,627,982

MULTIPLE UNIT WALL BIN
Sharp F. Williams, Indianapolis, Ind.
Application March 20, 1951, Serial No. 216,557
1 Claim. (Cl. 211-88)

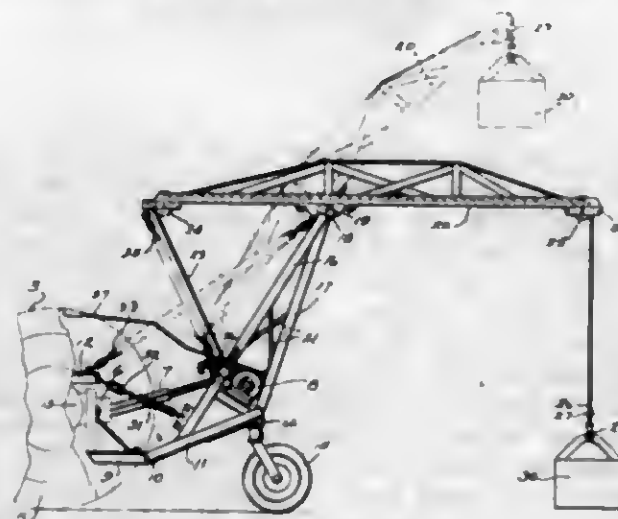


A multiple, vertically aligned bin assembly comprising a pair of identical bins, each bin having a back wall with a pair of spaced, horizontally aligned slots therethrough and spaced intermediate the top and bottom thereof; a pair of arms extending upwardly from the top of said wall; an upper end over and downturned on the front side of each arm to form a hook, said hook in each instance being spaced apart a distance to allow the hooks of the lower bin arms to engage through the slots from the back side of an upper positioned bin back wall and hang from the

lower marginal edges of those slots; said arms being offset rearwardly by their portions immediately above the bin rear wall, from which portions they extend to align the back walls of the respective bins in a common vertical plane; and a pair of tongues on the rear sides of said back walls, below and aligned vertically and horizontally with said slots, the arms of a lower bin engaging under the tongues of an upper bin.

2,627,983

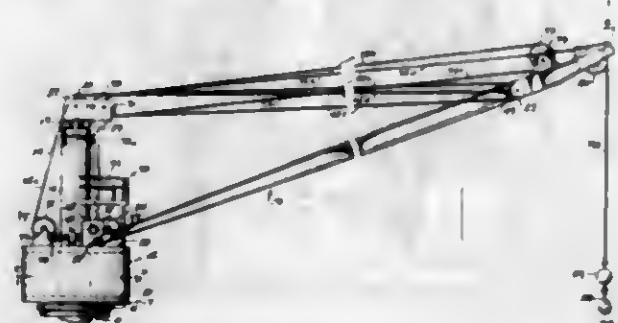
HOIST ATTACHMENT FOR TRACTORS
William C. Lathers, Jr., Madison, Wis.
Application September 11, 1948, Serial No. 48,857
9 Claims. (Cl. 212-8)



1. A hoist comprising the combination with a tower and a winch, of a boom pivotally cradled intermediate its ends upon the tower and provided at opposite sides of its pivot with sheaves, and a cable extending from the winch over the sheaves and provided with means engageable with the boom for limiting its withdrawing movement over the outermost sheave, said tower and one end of said boom being connected by an adjustably extensible and retractable tension member attached to the tower at a point spaced from said pivot.

2,627,984

CRANE CONSTRUCTION
Arthur L. Senn and Charles D. Gould, Seattle, Carl Evensen, Sebold, and Arthur L. Senn, Jr., Seattle, Wash., assignors to Colby Steel & Manufacturing, Inc., Seattle, Wash., a corporation of Washington
Application June 7, 1950, Serial No. 166,642
11 Claims. (Cl. 212-58)

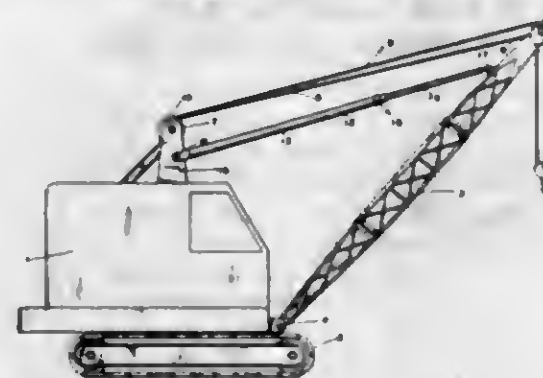


10. A crane mechanism comprising a supporting structure; a boom structure having a tip portion and having its heel portion connected with said supporting structure; spaced apart sheaves connected with the tip portion of the boom structure; a prime mover; a load engaging means; a pair of spaced hoist cable means extending from

said prime mover over said spaced sheaves at the tip portion of the boom structure and thence downwardly to the load engaging member; and cable take up means connected with each of said hoist cable means for taking up cable on each of the same and maintaining the same under tension as the load engaging member swings relative to the tip portion of the boom.

2,627,985

SNUBBER FOR CRANE BOOMS
Curtis J. Sathre, Longview, and Theodore A. Cheesman, Kalama, Wash.
Application August 27, 1951, Serial No. 243,844
2 Claims. (Cl. 212-59)



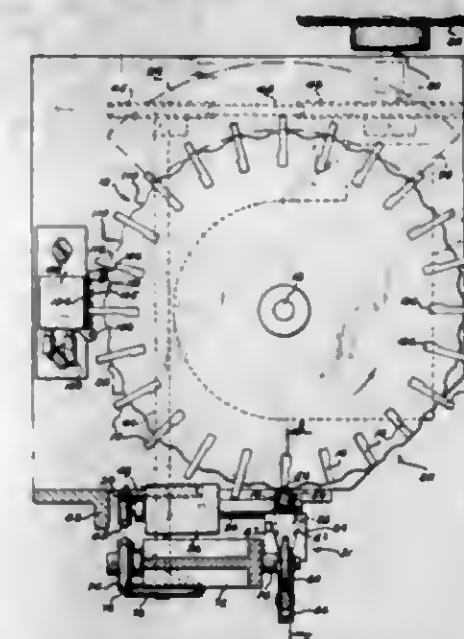
1. A crane comprising a support, a boom pivotally mounted on said support, means on said support and connected with said boom for raising and lowering said boom, and a telescopic strut pivotally connected between said support and said boom, said telescopic strut including an elongated cylinder and an elongated hollow piston rod slidable in said cylinder and jointly forming a fluid reservoir, the inner end of said piston rod including a piston portion having restricted passages therethrough to enable limited fluid passage between said cylinder and piston rod for permitting normal movement of the boom but restricting rapid flow of fluid and snubbing a sudden uncontrolled movement of the boom, and relief valve means in communication with opposite sides of said piston portion to permit rapid limited flow of fluid past said piston portion to relieve excessive pressure due to a sudden uncontrolled movement of the boom.

2,627,986

TRANSFERRING AND STACKING APPARATUS

Carl B. Lubbert, Anneslie, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1949, Serial No. 113,532
17 Claims. (Cl. 214-6)

15. In an apparatus having a continuously movable carrier provided with seats on the upper surface thereof for supporting articles thereon with portions of the articles overhanging the carrier to advance the articles through a predetermined path, the combination therewith of a continuously operating means disposed on one side of said path of travel adjacent to and in vertical alignment with a point in said path of movement of said article for engaging the overhanging portions of the articles pressed thereagainst to move said articles from said carrier, an element mounted on the other side of said path of movement of said articles in vertical alignment with said continuously operating means for engaging and moving the overhanging portions of successive articles into engagement with the continuously operating means to



movement of said carrier for actuating said element.

2,627,987

POWER WINCH UNLOADER
Harry C. Northelm, Amherst, Ohio
Application January 9, 1948, Serial No. 1,328
2 Claims. (Cl. 214-44)



1. Means for unloading material from a wheeled vehicle having a loading platform which may have lateral walls, comprising chocks to retain wheels of a vehicle against turning, a winch having a frame, inflexible elongated bars terminally secured to and between said chocks and said frame to preserve a predetermined spacing of the winch from the chocks and to stabilize the frame against rotation with said winch, a material pusher slidably mounted on said platform, and cable means operatively connecting said pusher and said frame, said winch being mounted on ground contacting wheels, said chocks and frame having socket members, and said bars being removably and terminally insertable in said socket members, said winch being power driven, a motor with a reduction gear assembly and a gear shift mounted on said frame and operatively connected with said winch, said socket members being pivotally mounted on said chocks and frame, and lateral guides on said chocks and frame for said socket members to assure equalization of strains on the chocks and bars.

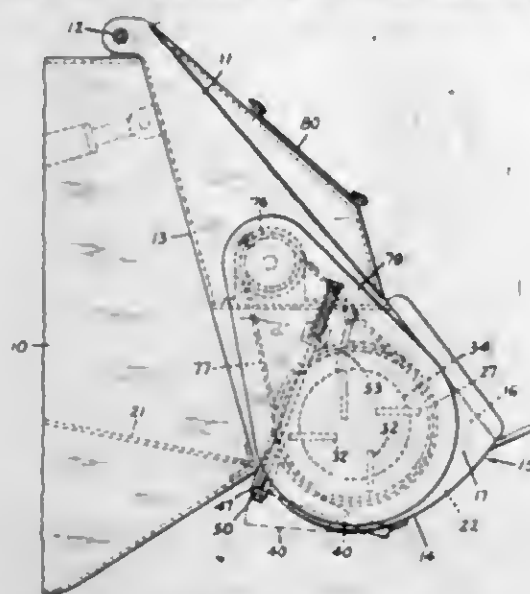
2,627,988

REFUSE TRUCK LOADER

Lawrence S. Thomas, Flushing, and Thomas Edwards, Sunnyside, N. Y., assignors to City Tank Corporation, Corona, N. Y., a corporation of New York
Application April 17, 1948, Serial No. 21,734
2 Claims. (Cl. 214-83)

1. In a refuse collecting truck, comprising a hopper having a passage adjacent the floor of

said truck body, the combination therewith of a horizontally trunnioned drum having vanes cyclically and radially cammed for moving material from said hopper through said passage into the truck body, said hopper being arcuately formed at its bottom wall, the drum being eccentrically positioned with respect to said wall,



whereby the refuse is rolled and compacted against said wall in moving material from said hopper into said truck body, a scrape-off blade resiliently contacting the periphery of said drum adjacent a zone of said drum in the retracted position of said vanes, and camming means to deflect said scrape-off blade from contact with the periphery of the drum.

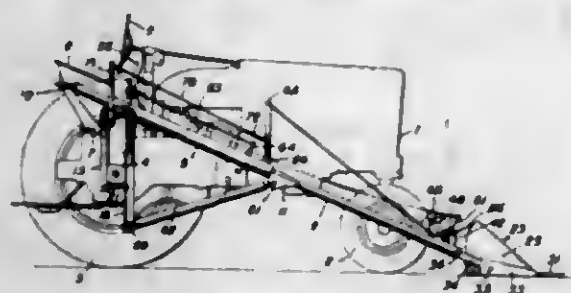
2,627,989

LOADING MECHANISM FOR TRACTORS

Joseph Chaves, Newport, R. I.

Application September 29, 1948, Serial No. 51,705

3 Claims. (Cl. 214-140)



2. Loading and dumping mechanism for a tractor comprising a pair of elongated guides extending toward the front of the tractor along opposite sides thereof and pivoted thereon for swinging upwardly and downwardly, a pair of arms carried by said guides for swinging upwardly and downwardly therewith and slidably connected thereto for advance and retraction relative to the tractor, a scoop carried between said arms forwardly of the tractor for raising and lowering by swinging of said arms upwardly and downwardly, respectively, and pivoted to said arms for swinging into dumping and loading positions thereon, a pair of hydraulic cylinders below said guides and arms pivoted to the tractor at opposite sides thereof for swinging upwardly and downwardly and having projecting piston rods pivoted to said arms in advance of the guides and together with said cylinders inclining upwardly and forwardly with respect to said arms when the arms and guides are swung downwardly to thrust upwardly against said arms at an angle thereto in opposition to the load opposing the same and advance said arms and scoop rela-

tive to the tractor, co-engaging devices on said guides and arms limiting advance of said arms and scoop relative to the guides so that continuing upward thrust of said piston rods, in the limit of advance of the scoop and arms will raise said arms, to raise said scoop.

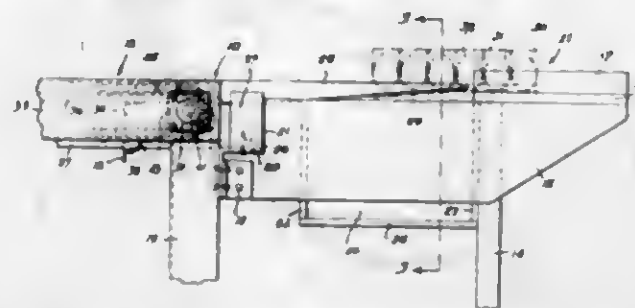
2,627,990

EGG-CONTAINER SEPARATING DEVICE

Clarence Page, Detroit, Mich., assignor to Page and Cox, Detroit, Mich., a corporation of Michigan

Original application December 27, 1946, Serial No. 718,755, now Patent No. 2,481,440, dated September 6, 1949. Divided and this application March 20, 1948, Serial No. 18,127

3 Claims. (Cl. 214-300)



3. A separating device for removing the bottoms of containers containing eggs, comprising a frame having a supporting platform for the egg containers, a plurality of relatively narrow laterally-spaced pointed members disposed adjacent said platform and directed longitudinally thereto at the junction between the bottom and the lower edges of the vertical partitions in the upper portion of each container, said members being responsive to the sliding of said containers for penetrating said containers adjacent the bottoms thereof and separating said bottoms from said upper portions, and a support beneath said members and platform for receiving the detached bottoms of said egg containers.

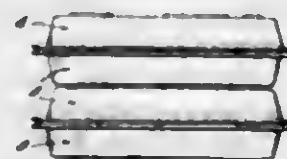
2,627,991

COVERED SERVING DISH

Helen M. Maersch, Sheboygan, Wis.

Application November 21, 1949, Serial No. 128,562

3 Claims. (Cl. 220-4)



1. A serving unit comprising a pair of serving dishes for use as a covered container, each dish having a food receiving cavity and an annular flat rim portion extending laterally from the top of said cavity and provided with equally circumferentially spaced, equal height, equal area, segmental bosses with radially disposed end faces of substantial radial extent and whose arcuate sides are spaced from the inner and outer edges of the rim whose unraised flat portions between and about said bosses are all in the same plane, the projections of one dish interfitting with those of the other dish to provide a substantial load carrying abutting interlocking area between the rims of the dishes extending about the entire rim to prevent lateral displacement of the dishes relative to each other and provide substantial vertical stability.

2,627,992

CONDIMENT DISPENSER

Adolph Kurz, Union, N. J.

Application August 13, 1949, Serial No. 110,136

9 Claims. (Cl. 220-22)



1. A dispenser comprising an elongated body portion having a plurality of compartments and a closure member at one end thereof, said closure member comprising a flat plate having a plurality of apertures, said apertures having raised lips there around and an arcuate groove provided on said plate by a lip extending therefrom, said lips lying in a common plane and a rotatable cover supported in said body adjacent to and in contact with said lips whereby space is provided between the surface of said plate and said rotatable cover, said rotatable cover having a stud extending therefrom received within said groove, said stud having a slot therein and a rib extending across said groove to be received within said slot when said rotatable cover is in a neutral aperture closing position.

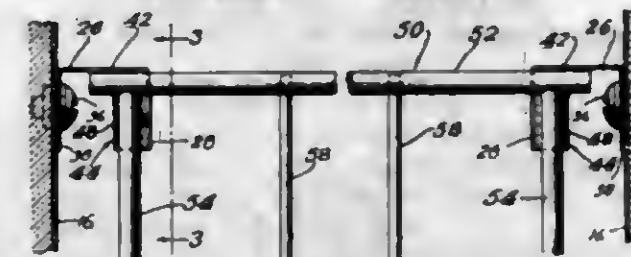
2,627,993

FREEZER DIVIDER

Oliver B. Hafner, Cedar Rapids, Iowa, assignor to Amana Refrigeration, Inc., Amana, Iowa, a corporation of Iowa

Application April 29, 1950, Serial No. 159,030

10 Claims. (Cl. 220-22)



4. In a divider construction for use in a cabinet having an interior space and vertical side walls, the combination comprising, a ledge on each of opposite side walls extending from said side walls inwardly into said interior space, upwardly opening saddles formed in said ledges, vertically extending grooves formed in said ledges and facing inwardly into said interior space, each said vertically extending groove being positioned below one of said upwardly opening saddles, a divider element having a horizontal member and vertical members, said horizontal member being supported at its ends in a pair of opposite saddles in said pair of opposite ledges, and said vertical members being positioned in said vertically extending grooves.

2,627,994

CLOSURE

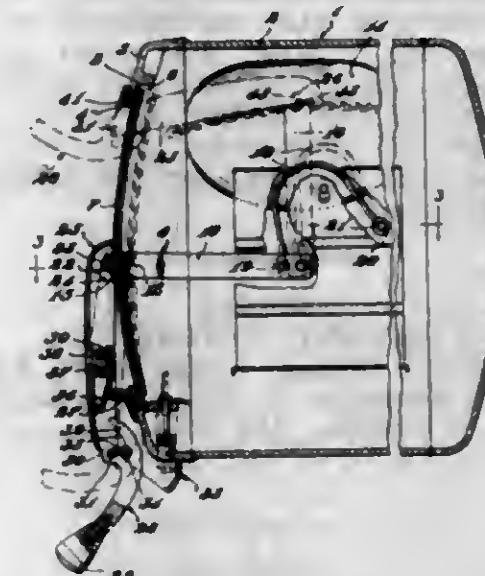
Kenneth W. Binding, Medford, Mass., assignor to Market Forge Company, Everett, Mass., a corporation of Massachusetts

Application August 20, 1949, Serial No. 111,475

5 Claims. (Cl. 220-25)

1. In combination, in a container having an aperture in its wall, a movable internal closure,

a carrier within the container operative to move the closure to a fully opened position within the container out of registry with the aperture, the carrier being fast to the closure and supporting the closure with its marginal portion in registry with the margin of the aperture while in either a closed position or a partially opened position with one part of the marginal portion



thereof in engagement with the margin of the aperture and the opposite part of the marginal portion in spaced relation thereto, the carrier having a resilient part normally operative resiliently to urge the closure toward said partially opened position within the container, and means connected to the closure for locking the closure in closed position against the stress of said resilient part.

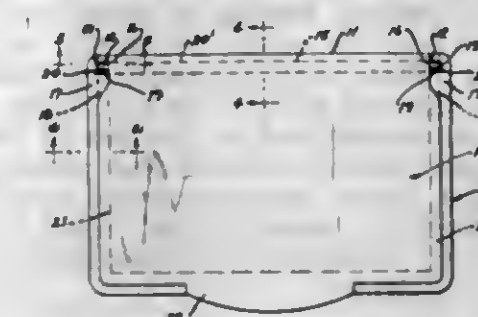
2,627,995

CONTAINER WITH HINGED COVER

Neil S. Waterman, Scarborough, N. Y.

Application March 18, 1950, Serial No. 150,434

2 Claims. (Cl. 220-31)



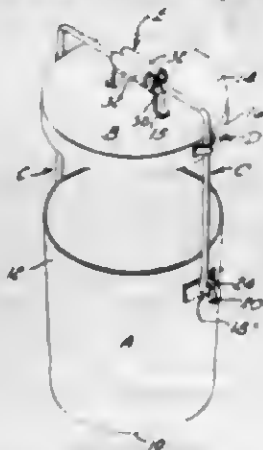
2. A container, comprising two separate parts, one of said parts being a container body having an open top, the other of said parts being a cover closing said open top, one of said parts having wall portions on one side thereof and said wall portions having open socket hinge sections, the other of said parts having trunnion hinge sections on one side thereof frictionally releasably engaging in said socket hinge sections, said open socket hinge sections being open in a direction towards said part having said trunnion hinge sections in order that said cover may be moved away from said body for moving said trunnion hinge sections out of said open socket hinge sections for separating said parts or said cover may be pivoted open by using said trunnion hinge sections as hinges for said pivoting operation, said wall portions having top wall sections and end wall sections, said trunnion hinge sections having beveled tips, said open socket hinge sections being extended through said top wall

sections and into said end wall sections, those portions of said open socket hinge sections in said top wall sections being congruent with said beveled tipped trunnion hinge sections when said cover closes the open top of said body, and those portions of said open socket hinge sections in said end wall sections forming hinge bearings for said trunnion hinge sections with said trunnion hinge sections lying immediately below said top wall sections in order that when said cover is pivoted open said trunnion hinge sections turn and the beveled tips thereof move out of congruence with said open socket hinge sections for locking said trunnion hinge sections beneath said top wall sections.

2,627,996

SANITARY CONTAINER

Katherina Dorner, Philadelphia, Pa.
Application November 3, 1950, Serial No. 193,929
2 Claims. (Cl. 220-38)

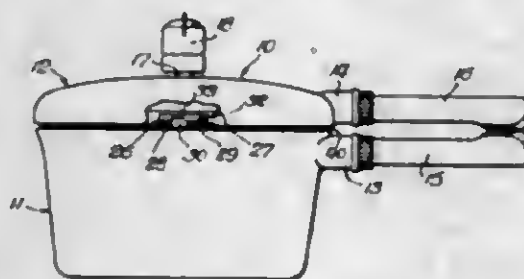


1. In a container, a bottom, a substantially perpendicular continuous wall attached to the outer periphery of said bottom to confine any article deposited on said bottom, a substantially U-shaped carrying bail pivotally attached to said continuous wall, a cover of the same configuration as said bottom having a short continuous wall attached to its outer periphery to closely embrace said first named continuous wall, said cover being slidably secured to said bail, and an elongated handle secured to the top of the cover with its longitudinal axis in the plane of the bail, the sides of the handle having integral upwardly extending spaced spring clips engaging the bail and supporting the cover when the cover is in open position.

2,627,997

SAFETY LOCK FOR PRESSURE COOKERS

Edward H. Wittenberg, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application November 2, 1948, Serial No. 57,958
2 Claims. (Cl. 220-40)



1. In a pressure cooker, a body member and a cover member therefor; cooperating sealing surfaces carried by said members; and inter-

locking means carried by said members; said interlocking means in one position securing the members together against axial separation and in pressure-tight sealing relation for cooking operations, and in a second position securing the members together against rotation to completely disengaged position, but permitting limited axial separation of the members, when it is attempted to completely disengage said members by relative rotation of them while pressure exists within the cooker; said interlocking means comprising a plurality of pairs of cooperating interengageable structures disposed in spaced circumferential relationship on said members, one of the structures of each pair of structures being on one of said members and comprising a pair of horizontally spaced lugs having horizontal bearing surfaces, and the other of the structures of each pair being on the other member and comprising a lug having a horizontal bearing surface and a pair of recesses having flat horizontal surfaces with a detent between the recesses; the widths and spacing of said recesses and detent being such as to accommodate said pair of lugs in said recesses with the lugs astride said detent, the pair of lugs being adapted to move into said recesses and to engage their bearing surfaces with the flat surfaces of the recesses and permitting the cover member to thereby rise from said body member when said interlocking means are in said second position and pressure exists in the cooker, the detent then preventing rotation of said pair of lugs toward disengaged position of the cover and body members.

2,627,998

INFLATOR FOR PNEUMATIC LIFESAVING DEVICES

Clarence Walton Musser, Glenside, and Albert Benditt, Philadelphia, Pa.
Application January 9, 1950, Serial No. 137,522
10 Claims. (Cl. 222-5)
(Granted under Title 35, U. S. Code (1952), sec. 266)



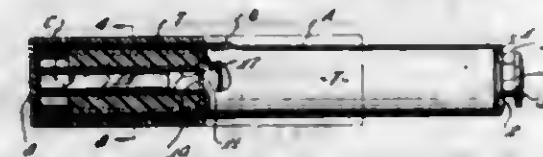
1. In a device for use in expanding an inflatable member, the combination of a hollow cylindrical body, a partition dividing the body's interior into upper and lower chambers, a puncturable cartridge containing a fluid under pressure housed in said body's lower chamber, a base cap secured to the opening into the body's lower chamber and removable to allow for insertion of said cartridge, a holder removably secured to said partition, means for puncturing said cartridge loosely fitted in said holder with a sharp end facing the cartridge, an explosive primer carried by said holder adjacent said puncturing means, a water-soluble sleeve housed in said body's upper chamber, a plurality of support member spacedly projecting radially into the sleeve's central opening, a firing pin consisting of an upper longitudinal shank and a lower transverse flange portion which has in its periphery notches whose number and spacing coincide with but whose size is larger than said radially projecting support members, a helical spring encircling said firing pin's shank and supported by the flange thereof, a drum cam having

a slot for accommodating the free end of said firing pin's shank, and, removably fitted over the entrance to said body's upper chamber, an operating cap to which said firing pin, spring and drum cam are removably secured in a unitary manner.

2,627,999

COMBINED HOLDER AND DISPENSER FOR TUBE CONTAINED MATERIALS

Ernest W. Swan, Long Beach, Calif.
Application April 22, 1949, Serial No. 89,116
10 Claims. (Cl. 222-95)



1. A dispenser for paste-like materials from original collapsible tubes comprising: a cylindrical body arranged to receive a tube of material at an end thereof and to prevent removal of the tube from the other end thereof while permitting discharge of the contained material, a plunger mounted on and for movement longitudinally in said body against the inner end of the tube, and a cap adjustable longitudinally on the body engaging and for applying pressure to said plunger and through the plunger to and for collapsing said tube and discharging the contents thereof for use as the cap is moved on the body, said plunger having separable portions slidable in the bore of said body and normally nested one within the other to partly collapse the tube and when expanded the two parts of the plunger are arranged end-to-end, tandem fashion, and are effective for completely collapsing said tube and exhausting the contents thereof.

2,628,000

RANGE SEEDER

James MacKenzie, Glenwood Springs, Colo., assignor, by direct and mesne assignments, to Southwest Metal Industries, Phoenix, Ariz., a corporation of Arizona
Application March 9, 1951, Serial No. 214,797
6 Claims. (Cl. 222-162)



1. A range seeder comprising a seed receptacle, means for pivotally suspending said receptacle from the collar around an animal's neck, means in said receptacle actuable to discharge predetermined amounts of seed from said receptacle, and means operable by the relative pivotal movement of said receptacle and said first mentioned means by the position of the animal's neck to cause said discharge means to be actuated.

2,628,001

CONTAINER

Stanley J. Sarnoff, Boston, Mass.
Application May 12, 1948, Serial No. 26,552
4 Claims. (Cl. 222-209)

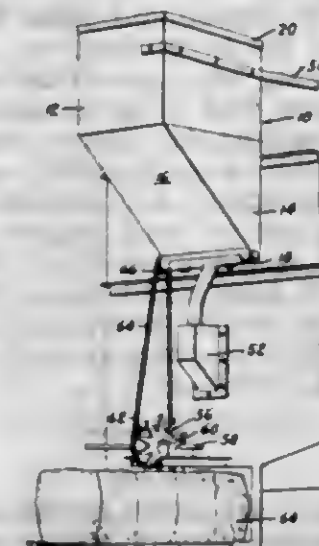


1. A container comprising a tube provided with an outlet for the discharge of the contents, and at one end a pump having a plunger disposed within said end of the container tube, one end of said plunger projecting from within the end of the container tube, and a tube of resilient material, one end of said resilient tube being fastened to the said end of the container tube, the opposite end of the resilient tube being fastened to the plunger, and an intermediate section of the resilient tube being attached to neither the plunger nor the container tube, said unattached intermediate section of the resilient tube being disposed within the said end of the container tube.

2,628,002

METERING DISPENSER FOR SOLID FREE FLOWING MATERIAL

William B. Peterson, Los Altos, Calif.
Application April 2, 1952, Serial No. 279,981
2 Claims. (Cl. 222-240)

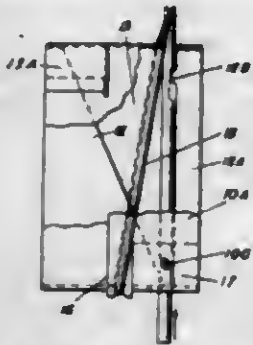


2. In a material dispensing hopper having a material discharge opening in its lower end, the combination of a horizontally extending cylindrical rotatable member in the lower end of said hopper, means disposed externally of said hopper for rotating said member, a plurality of equispaced and equi-sized radially extending and relatively elongated fins secured around the periphery of said rotatable member and located on said member above said discharge opening, said fins being imperforate and having a length greater than that dimension of said opening measured in a direction parallel to said fins, oppositely spiralled helically shaped elements secured to said member outwardly of said fins adapted upon rotation of said member to feed material toward said fins, said hopper having its lower end formed to be substantially semi-circular in transverse cross section and said rotatable member being so disposed in said lower end that said fins extend substantially into wiping relation therewith, the spacing between the ends of adjacent fins corresponding approximately to the transverse dimension of said discharge opening, a discharge spout at the underside of the lower end of said housing in communication with said

discharge opening, and means securing said spout to said hopper for sliding adjustment to vary the effective material discharge area of said opening.

2,628,003

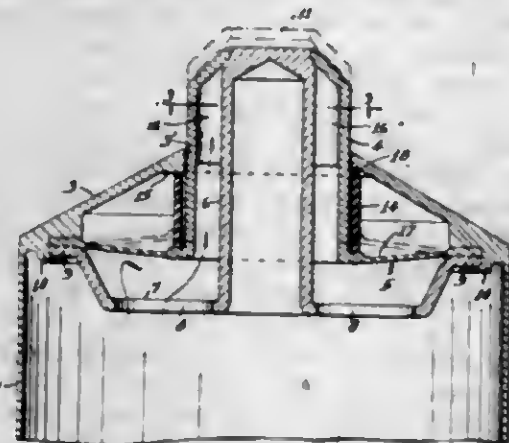
SEED PACKAGE AND SEED DISTRIBUTOR
Frederick R. Maurer, New Boston, Mich.
Application June 19, 1947, Serial No. 755,623
3 Claims. (Cl. 222-336)



1. A seed package consisting of container produced by wrapping an elongated blank of suitable material about a pair of relatively thin filler elements, one of which is triangular in shape and the other a narrow elongated rectangle, whereby to produce a hopper shaped seed space within said container, a dowel-like plunger extending through said container adjacent the rectangular filler, said plunger having a spiral groove therein adjacent the lower end of said hopper and extending partly around the said dowel having its upper end open to said hopper and having at its lower end an inclined face, said dowel having also an elongated notch adjacent the upper end of said hopper, a projection on said rectangular filler piece adapted to enter said notch and thereby determine the stroke of said plunger, a discharge opening adjacent the bottom of said hopper and opening to said groove approximately at the upper end of said inclined face when said dowel is at the end of its down stroke and a resilient band extending around said package and over the upper end of said dowel.

2,628,004

SELF-CLOSING COLLAPSIBLE TUBE
Theodore F. Schlicksupp, Long Island City, N. Y.
Application March 15, 1951, Serial No. 215,810
7 Claims. (Cl. 222-493)



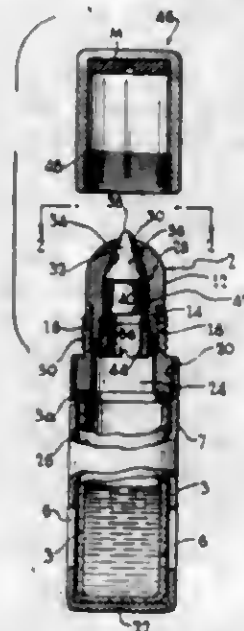
1. A self-closing collapsible tube comprising a body portion which is permanently closed at one end, a fixed member and a relatively movable member at the other end of the tube, one of said members having a discharge outlet controlled by the movement of the movable member and through which the contents of the tube may be discharged, a flexible and substantially non-resilient diaphragm located in the body portion of

the tube and connected to the movable member, means within the tube clamping the outer periphery of the diaphragm in fixed sealing relation to said body portion, said diaphragm being subjected at one side to the pressure of the contents of the tube when the tube is squeezed and serving to then move the movable member to a position in which said discharge outlet is open, said diaphragm being capable of flexing from a position on one side of the plane of its periphery to a similar position on the opposite side thereof, and resilient means normally biasing the diaphragm to normal position in which the movable member is in a position in which said discharge outlet is closed.

2,628,005

FOUNTAIN APPLICATOR WITH MAGNETIC VALVE

William T. Keeshan, Navesink, N. J.; Andrée G. Keeshan administratrix of said William T. Keeshan, deceased
Application March 1, 1948, Serial No. 12,432
8 Claims. (Cl. 222-501)



1. A liquid dispensing device comprising a main housing, a liquid storage reservoir disposed in said main housing, a liquid discharge tip carried on said main housing and having a liquid discharge outlet formed therein, means communicating between said storage reservoir and said discharge outlet, a valve seat formed in said liquid discharge tip in said communicating means, a valve plunger adapted to seat upon said valve seat to block passage of liquid through said discharge outlet, a portion of said valve plunger protruding through said discharge outlet, said valve plunger being permanently magnetized and said valve seat being formed of material which is attracted to a magnet, whereby under the influence of external pressure on said protruding portion of said plunger the magnet force is overcome to retract said plunger from its seating engagement with said valve seat to permit liquid from said reservoir to pass through said discharge outlet.

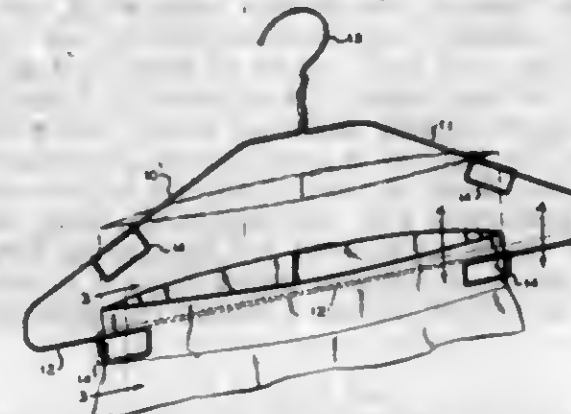
2,628,006

GARMENT HANGER

Harold M. Smith, Greensboro, N. C.
Application July 13, 1950, Serial No. 173,548
4 Claims. (Cl. 223-91)

1. A garment hanger comprising a rod having a reach, a pair of spaced loops integrally formed

from said rod at each end of said reach, each of said loops including a bight portion having spaced legs, one of said legs projecting transversely of said reach, and a rod portion secured to the other leg of the bight portion, said rod portion extending in substantially parallel relation



to said reach and in substantially abutting relation therewith to provide a gripping action over a substantial portion of said reach and said rod portion, said loops being arranged so that the rod portion of each loop is on the same side of the reach.

2,628,007

DEVICE FOR APPLYING FOOTWEAR TO HANDICAPPED PERSONS

Harold N. Meling, Yonkers, N. Y.
Application November 22, 1950, Serial No. 197,135
3 Claims. (Cl. 223-111)

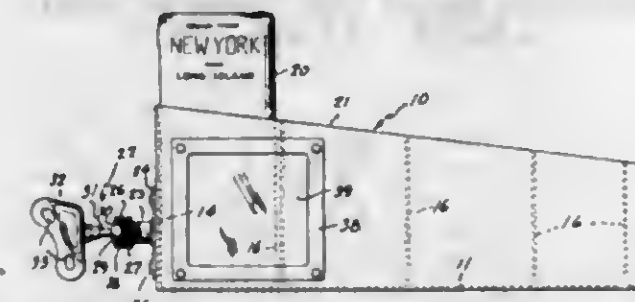


1. In a device for applying a stocking to a foot, a first elongated member, a lug carried by a lower end of said member, longitudinally extending flanges carried by said member, a second elongated member arranged for guided movement in said flanges, said second member having an opening in a lower end thereof for receiving said lug and a slot communicating with the opening, and means at an upper end of the second member for moving it relative to the first member.

2,628,008

PAPER AND ARTICLE CONTAINER FOR AUTOMOBILES

Perry N. Innis, Bridgeport, Conn.
Application September 2, 1948, Serial No. 47,426
1 Claim. (Cl. 224-29)



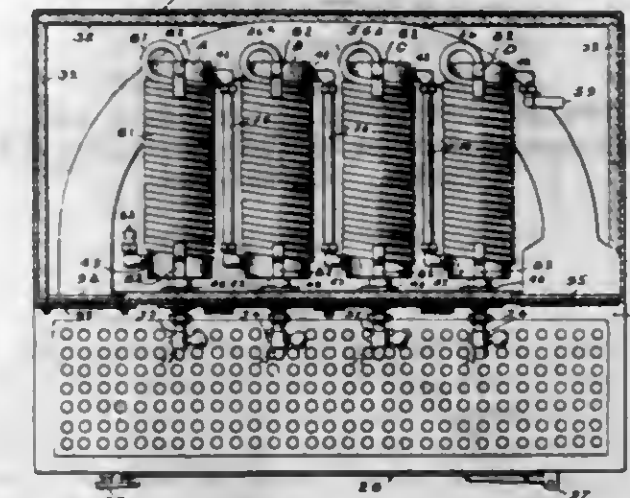
A papers file for automobiles comprising a substantially flat elongated hollow rigid body member closed at its lower edge and open at the top edge, said member comprising a pair of laterally spaced rigid side walls and a series of transverse rigid partition walls extending between and connected to the side walls dividing the space between the side walls into a series of compartments, a mounting bracket secured to the body member adjacent one end including a flattened base provided with openings to receive

mounting screws for mounting the body member under an automobile top, said bracket including a member provided with a socket and another member provided with a ball seated in the socket for universal adjustment of the body member to different positions, and means for clamping the ball to secure the member in these positions.

2,628,009

TAP BOX

Edward D. Idzi, Baltimore, Md.
Application September 15, 1947, Serial No. 774,138
6 Claims. (Cl. 225-40)



4. In a tap box, the combination of a wall; a plurality of chambers mounted on said wall in said box and connected in series by pipes; a refrigerant conduit introduced into the tap box and communicating with said connected chambers to supply a refrigerant to said chambers; a second refrigerant conduit communicating with said chambers to discharge said refrigerant from said chambers; a plurality of flexible liquid conduits introduced into the tap box, wrapped about and passing through said chambers, respectively, and extending exteriorly of the tap box; said refrigerant supply conduit and said liquid conduits being intimately associated by being concentrically coiled interiorly of the tap box.

2,628,010

APPARATUS FOR AUTOMATICALLY CONTINUOUSLY AND ALTERNATELY SUPPLYING A FLOWABLE COMMODITY TO ALTERNATELY MOVABLE CARTONS CARRIED IN PARALLEL LINES

Carlo Ray, North Hollywood, and Don Ray, Beverly Hills, Calif.
Application January 2, 1948, Serial No. 298
5 Claims. (Cl. 226-99)



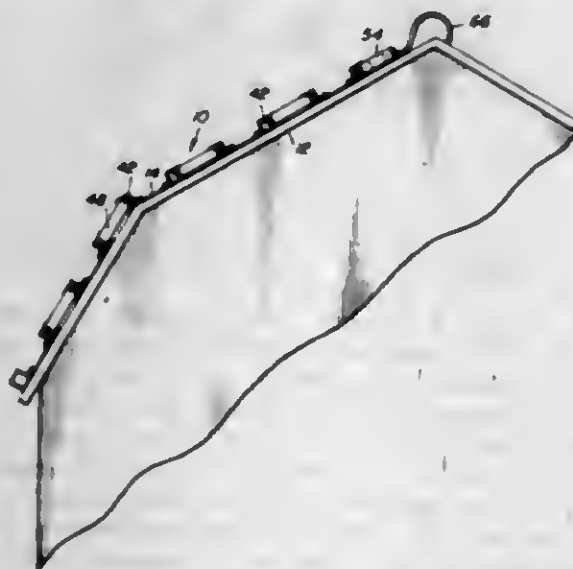
1. In an apparatus for packaging a flowable commodity into cartons each having one open end and arranged to be closed, the combination of: a pair of conveyors arranged in parallel relationship, each conveyor including a pair of endless belts with the lays of said belts lying in a common plane; means for intermittently and alternately moving the belts of each conveyor so that adjacent lays travel in the same direction;

means at one end of said pair of conveyors for feeding cartons alternately to said conveyors; a single supply means between said conveyors and having divergent passageways for directing flow of different commodities to cartons on said conveyors and provided with valve means alternating flow of commodities to cartons on said conveyors for supplying a plurality of different commodities to each carton on said conveyors in alternate order, and switch means on opposite sides of said supply means actuated by said cartons when in filling position for coordinating the actuation of the moving means, carton-feeding means and commodity-supplying means.

2,628,011

FLEXIBLE ROOF LADDER

Francis P. Buechler, Ferdinand, Ind.
Application September 20, 1949, Serial No. 116,830
1 Claim. (Cl. 228-44)



A roof ladder including articulated sections each comprising spaced parallel side straps, an integral closed loop on each end of each strap, said loops being rectangular with upper and lower portions positioned parallel to the main portions of the straps, a pair of elongated fibrous rungs, said rungs being rectangular and having upper and lower flat faces, said upper faces having notches at the ends of the rungs, the ends of the rungs extending through the loops, the upper portions of the loops being located in the notches and the lower portions of the loops extending transversely across and contacting the lower faces of the rungs to form means for spacing the rungs from a roof surface engaged by the said lower portions, parallel side pieces connecting one of said sections to another section, said side pieces extending partially across the loops, and combined pivots and fasteners extending through the ends of the side pieces and into the ends of the rungs to retain the loops engaged with the ends of the rungs, the straps and the lower portions of the loops being coplanar and parallel to the plane of the undersurface of the rungs to provide traction surfaces that extend between adjacent rungs.

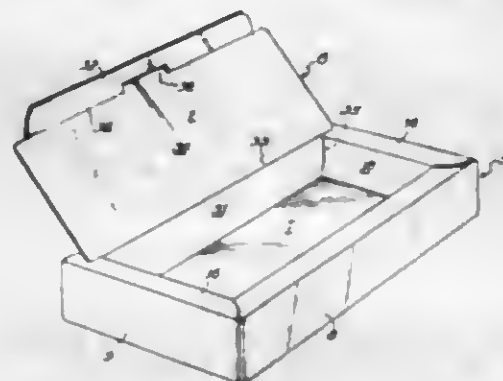
2,628,012

PAPERBOARD CARTON WITH COVER

Morton Goldsholl, Glencoe, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application May 26, 1950, Serial No. 164,446
3 Claims. (Cl. 229-44)

1. A combined paperboard tray and separable cover construction, the tray having a bottom

panel, hollow side walls on the bottom panel, end walls for the tray each formed with an outer end wall panel secured to the ends of the bottom panel, a narrow top panel on each outer end wall panel foldable to extend inwardly therefrom and having portions extending outwardly beyond the inner faces of the hollow side walls, an infolded flap hinged to each of the top panels forming an inner end wall panel at each end of the tray, the vertical edges of the infolded flaps each being disposed closely adjacent to the inner faces of the hollow side walls, and means for retaining the end wall flaps in their infolded hollow-wall-forming positions, and the separable cover comprising a main panel and an integrally hinged securing panel, the main panel having a length whereby its end edges are adapted respectively to



overlie portions of the narrow top panels of the end walls of the tray, the securing panel having a height approximately equal to that of the hollow side walls and being adapted to extend vertically into the tray along the inner face of one of the hollow side walls and having a length slightly greater than the distance between the inner faces of the inner end wall panels, said securing panel being relatively rigid and unscored between its end edges, the ends of the securing panel terminating in outwardly curved edges adapted to be wedged between the edges of the infolding end wall flaps and the adjacent side wall, and engaging under said outwardly extending portions of the top panels to restrain the securing panel against upward movement, whereby the cover member is maintained against accidental dislodgement.

2,628,013

ARTICLE FOR PACKAGING MATERIALS

Clarence W. Vogt, Norwalk, Conn.
Application June 2, 1948, Serial No. 30,647
1 Claim. (Cl. 229-53)



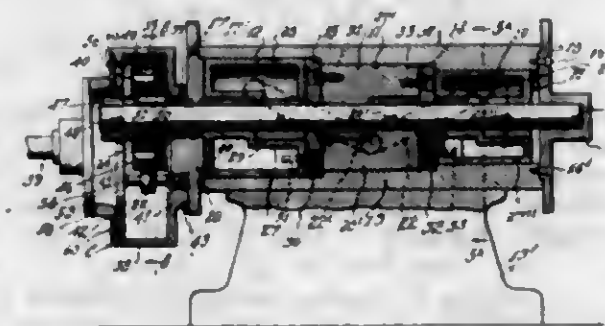
An article of manufacture comprising a pair of pillow case type bags, each bag having normally flat opposite sides and having an open end forming a filling mouth, flexible connecting means extending from one side of one bag adjacent the mid-portion of the mouth thereof to one side of the other bag adjacent the mid-portion of the mouth thereof and forming the sole connection between said bags, the opposite sides of the bags being unconnected with each other, said connecting means connecting the bags for movement be-

tween one position in which the bag mouths face outwardly in the same direction and are on opposite sides of said connecting means and another position in which said mouths face each other, said connecting means being substantially narrower than the width of said one side of each bag, there being unconnected edge portions in said one side at the mouth of each bag on opposite sides of said connecting means, said connecting means serving as a support for said bags when they are in said one position, said unconnected edge portions being flexible and bendable relative to said connecting means to enable the mouths of the bags to be opened for filling while the bags are supported by said connecting means, and the last-mentioned means being separable to enable the mouths of said bags to be sealed after filling.

2,628,014

MULTIPLE STAGE NONSLIP VACUUM PUMP

Michael Pemmerl, Chatham, N. J., assignor of one-half to Max Raskin, Chatham, N. J.
Application August 17, 1950, Serial No. 179,981
9 Claims. (Cl. 230-45)

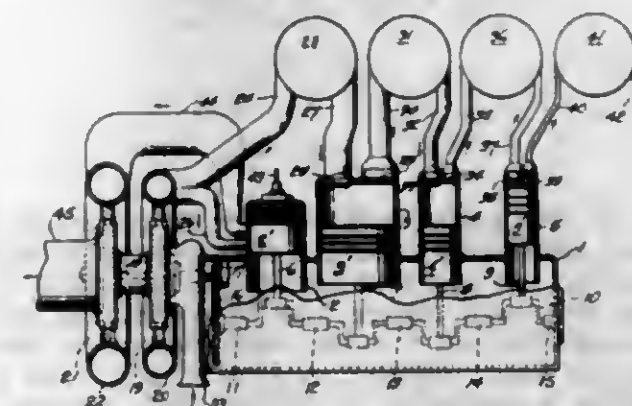


1. A multiple stage non-slip vacuum pump comprising: casing means providing a plurality of cylindrical working chambers which include a basic pumping chamber and a slip-neutralizing chamber of greater cubic capacity than said basic pumping chamber, each of said working chambers being closed by end walls and having intake and outlet ports disposed substantially 180 degrees apart, means providing a communicating duct leading from the outlet port of the basic pumping chamber to the intake port of the slip-neutralizing chamber, a pair of relatively movable segmental pistons rotatable in each working chamber on a concentric axis and being of length and diameter corresponding to those dimensions of the respective working chambers in which they are located, the angle between the leading and trailing faces of each piston being such that greater piston displacement will occur in the slip-neutralizing chamber than in the basic pumping chamber, and driving means to cause the pistons in each working chamber to move with variable velocities and to approach and recede from each other alternately in such manner that when the space between approaching faces is in communication with one port of the corresponding working chamber the space between receding faces is in communication with the other port, said driving means being constructed and arranged to cause the space between receding faces of the pistons in the slip-neutralizing chamber to be in communication with the intake port of said chamber while the approaching faces of the pistons in the basic pumping chamber are in communication with the outlet port of the latter chamber, whereby fluid will be sucked into the slip neutralization chamber simultaneously with expulsion of fluid from the basic pumping chamber.

2,628,015

ENGINE-DRIVEN AIR COMPRESSOR

Franz J. Nengebauer, Dayton, Hans O. Berkner, Wood City, and Erwin O. A. Naumann, Dayton, Ohio
Application November 9, 1949, Serial No. 126,421
6 Claims. (Cl. 230-56)
(Granted under Title 35, U. S. Code (1952), sec. 266)

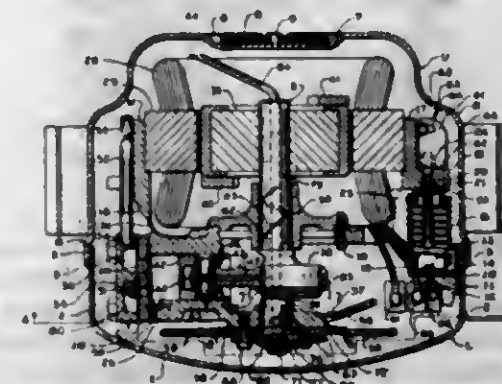


6. An engine driven air compressor comprising at least one engine cylinder and compressor cylinders, each having reciprocably mounted therein individual pistons, a common crankshaft interconnecting said pistons, means providing a first air compressor stage having an outlet operatively connected to said engine cylinder and compressor cylinders whereby first stage compressed air may be simultaneously carried to the compressor cylinders and to the engine cylinder.

2,628,016

REFRIGERATING APPARATUS

William W. Higham, Marion, Ohio, assignor, by mesne assignments, to Tecumseh Products Company, Tecumseh, Mich., a corporation of Michigan
Application March 5, 1946, Serial No. 652,026
4 Claims. (Cl. 230-58)



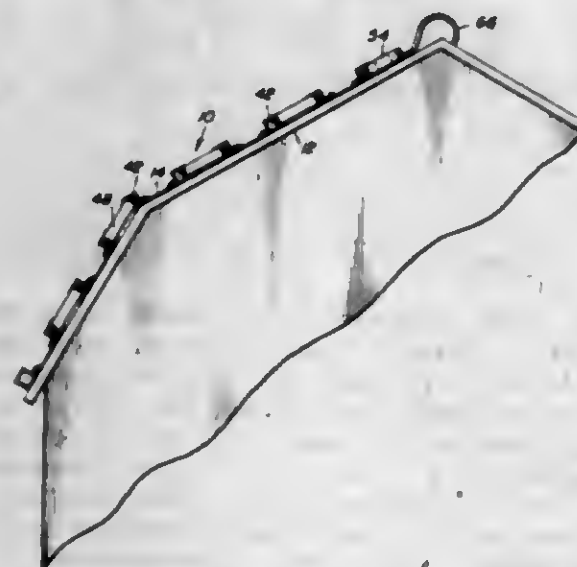
1. In refrigerating mechanism, a sealed shell having a gaseous refrigerant inlet emptying therein; a motor-compressor unit within the shell, said motor having a stator, said compressor having a gaseous inlet and having an outlet; a tube wound around the stator and having an open end for receiving gaseous refrigerant from the interior of the shell, the other end of the tube being connected with the inlet of the compressor, said tube being arranged in intimate and direct contact with the periphery of the stator and also functioning as a muffler; and a fluid connection from the outlet of the compressor extending through said shell.

means at one end of said pair of conveyors for feeding cartons alternately to said conveyors; a single supply means between said conveyors and having divergent passageways for directing flow of different commodities to cartons on said conveyors and provided with valve means alternating flow of commodities to cartons on said conveyors for supplying a plurality of different commodities to each carton on said conveyors in alternate order, and switch means on opposite sides of said supply means actuated by said cartons when in filling position for coordinating the actuation of the moving means, carton-feeding means and commodity-supplying means.

2,628,011

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1 Claim. (Cl. 228-44)



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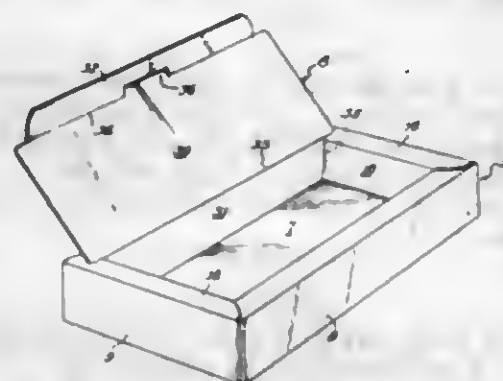
2,628,012

PAPERBOARD CARTON WITH COVER

Morton Goldshell, Glencoe, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application May 26, 1950, Serial No. 164,446
3 Claims. (Cl. 229-44)

1. A combined paperboard tray and separable cover construction, the tray having a bottom

panel, hollow side walls on the bottom panel, end walls for the tray each formed with an outer end wall panel secured to the ends of the bottom panel, a narrow top panel on each outer end wall panel foldable to extend inwardly therefrom and having portions extending outwardly beyond the inner faces of the hollow side walls, an infolded flap hinged to each of the top panels forming an inner end wall panel at each end of the tray, the vertical edges of the infolded flaps each being disposed closely adjacent to the inner faces of the hollow side walls, and means for retaining the end wall flaps in their infolded hollow-wall-forming positions, and the separable cover comprising a main panel and an integrally hinged securing panel, the main panel having a length whereby its end edges are adapted respectively to



overlap portions of the narrow top panels of the end walls of the tray, the securing panel having a height approximately equal to that of the hollow side walls and being adapted to extend vertically into the tray along the inner face of one of the hollow side walls and having a length slightly greater than the distance between the inner faces of the inner end wall panels, said securing panel being relatively rigid and unscored between its end edges, the ends of the securing panel terminating in outwardly curved edges adapted to be wedged between the edges of the infolding end wall flaps and the adjacent side wall, and engaging under said outwardly extending portions of the top panels to restrain the securing panel against upward movement, whereby the cover member is maintained against accidental dislodgement.

2,628,013

ARTICLE FOR PACKAGING MATERIALS

Clarence W. Vogt, Norwalk, Conn.
Application June 2, 1948, Serial No. 30,647
1 Claim. (Cl. 229-53)



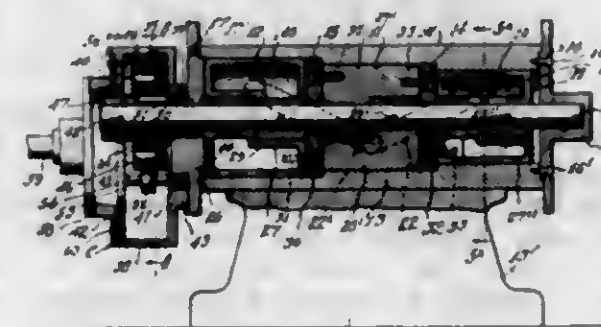
An article of manufacture comprising a pair of pillow case type bags, each bag having normally flat opposite sides and having an open end forming a filling mouth, flexible connecting means extending from one side of one bag adjacent the mid-portion of the mouth thereof to one side of the other bag adjacent the mid-portion of the mouth thereof and forming the sole connection between said bags, the opposite sides of the bags being unconnected with each other, said connecting means connecting the bags for movement be-

tween one position in which the bag mouths face outwardly in the same direction and are on opposite sides of said connecting means and another position in which said mouths face each other, said connecting means being substantially narrower than the width of said one side of each bag, there being unconnected edge portions in said one side at the mouth of each bag on opposite sides of said connecting means, said connecting means serving as a support for said bags when they are in said one position, said unconnected edge portions being flexible and bendable relative to said connecting means to enable the mouths of the bags to be opened for filling while the bags are supported by said connecting means, and the last-mentioned means being separable to enable the mouths of said bags to be sealed after filling.

2,628,014

MULTIPLE STAGE NONSLIP VACUUM PUMP

Michael Pemmerl, Chatham, N. J., assignor of one-half to Max Raskin, Chatham, N. J.
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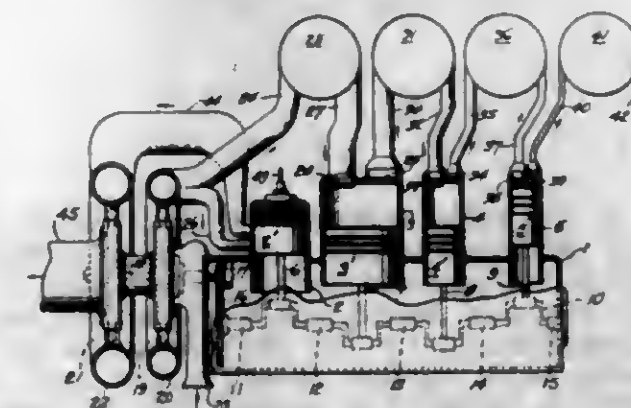


1. A multiple stage non-slip vacuum pump comprising: casing means providing a plurality of cylindrical working chambers which include a basic pumping chamber and a slip-neutralizing chamber of greater cubic capacity than said basic pumping chamber, each of said working chambers being closed by end walls and having intake and outlet ports disposed substantially 180 degrees apart, means providing a communicating duct leading from the outlet port of the basic pumping chamber to the intake port of the slip-neutralizing chamber, a pair of relatively movable segmental pistons rotatable in each working chamber on a concentric axis and being of length and diameter corresponding to those dimensions of the respective working chambers in which they are located, the angle between the leading and trailing faces of each piston being such that greater piston displacement will occur in the slip-neutralizing chamber than in the basic pumping chamber, and driving means to cause the pistons in each working chamber to move with variable velocities and to approach and recede from each other alternately in such manner that when the space between approaching faces is in communication with one port of the corresponding working chamber the space between receding faces is in communication with the other port, said driving means being constructed and arranged to cause the space between receding faces of the pistons in the slip-neutralizing chamber to be in communication with the intake port of said chamber while the approaching faces of the pistons in the basic pumping chamber are in communication with the outlet port of the latter chamber, whereby fluid will be sucked into the slip neutralization chamber simultaneously with expulsion of fluid from the basic pumping chamber.

2,628,015

ENGINE-DRIVEN AIR COMPRESSOR

Franz J. Neugebauer, Dayton, Hans O. Berkner, Wood City, and Erwin O. A. Naumann, Dayton, Ohio
Application November 9, 1949, Serial No. 126,421
6 Claims. (Cl. 230-56)
(Granted under Title 35, U. S. Code (1952), sec. 266)

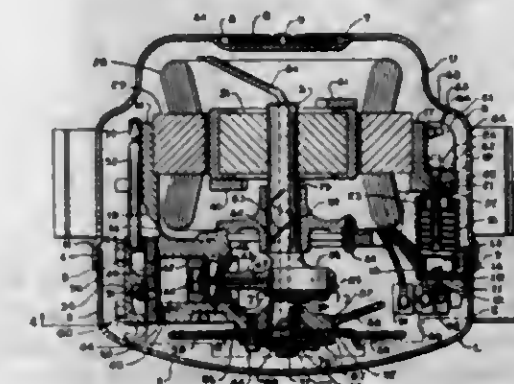


6. An engine driven air compressor comprising at least one engine cylinder and compressor cylinders, each having reciprocally mounted therein individual pistons, a common crankshaft interconnecting said pistons, means providing a first air compressor stage having an outlet operatively connected to said engine cylinder and compressor cylinders whereby first stage compressed air may be simultaneously carried to the compressor cylinders and to the engine cylinder.

2,628,016

REFRIGERATING APPARATUS

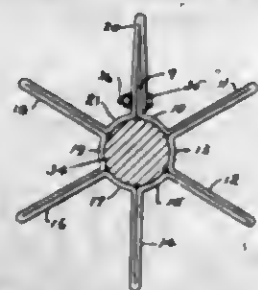
William W. Higham, Marion, Ohio, assignor, by mesne assignments, to Tecumseh Products Company, Tecumseh, Mich., a corporation of Michigan
Application March 5, 1946, Serial No. 652,026
4 Claims. (Cl. 230-58)



1. In refrigerating mechanism, a sealed shell having a gaseous refrigerant inlet emptying therein; a motor-compressor unit within the shell, said motor having a stator, said compressor having a gaseous inlet and having an outlet; a tube wound around the stator and having an open end for receiving gaseous refrigerant from the interior of the shell, the other end of the tube being connected with the inlet of the compressor, said tube being arranged in intimate and direct contact with the periphery of the stator and also functioning as a muffler; and a fluid connection from the outlet of the compressor extending through said shell.

2,628,017
FAN

Corradino R. Zaino, Hyde Park, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1950, Serial No. 165,298
5 Claims. (Cl. 230-134)

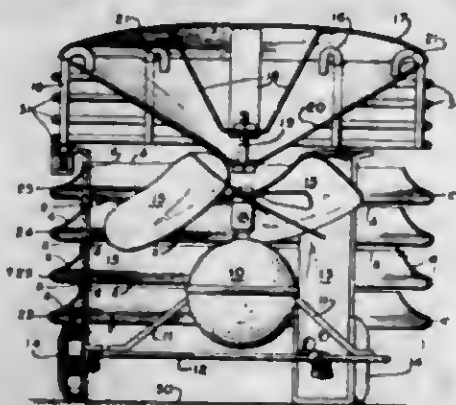


1. A fan rotor member for application to a rotary shaft comprising a metal strap forming a flange at one end and forming a fan blade at the other end, said flange and blade having aligned openings therein for the reception of a bolt for securing said member to the shaft, said strap forming a plurality of spaced hub portions for contacting said shaft extending in straight line alignment in a common plane between said flange and blade, said hub portions having other fan blades formed from said strap therebetween, each of said other fan blades having two blade portions, one on the adjacent side of each adjacent hub portion, said blades and said flange extending substantially parallel to each other and perpendicular to said hub portions.

2,628,018

AIR TRANSLATING APPARATUS

Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1950, Serial No. 155,587
14 Claims. (Cl. 230-259)



1. A ventilating unit comprising a support adapted to rest upon a horizontal top surface, a vertical shaft rotatably mounted on said support, propeller fan blades mounted on said shaft for rotation therewith and operable to direct air upwardly, and a plurality of shroud rings arranged concentrically around said blades, each of said rings having a concave curved outer surface extending first radially inwardly and then curved to axially forwardly or upwardly at a small angle to the axis of rotation of said blades.

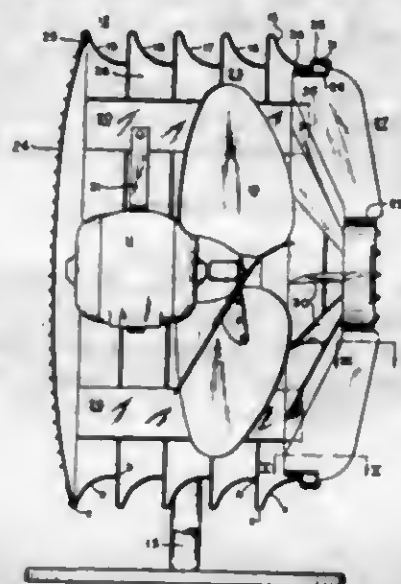
2,628,019

FREE AIR FAN

Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 9, 1951, Serial No. 210,129
3 Claims. (Cl. 230-274)

1. A free air fan comprising a rotatable shaft, a plurality of propeller blades mounted thereon,

a plurality of annular shroud rings disposed in concentric relation with respect to said blades, said shroud rings having concave outer surfaces which are curved from generally radially inward to substantially axially forward, the forward edge of each shroud ring being disposed adjacent the plane of the rearward edge of the next shroud ring, the discharge edge of one shroud ring being disposed within the axial extent of the fan and as far rearwardly as the tip of the fan, and two others of said shroud rings

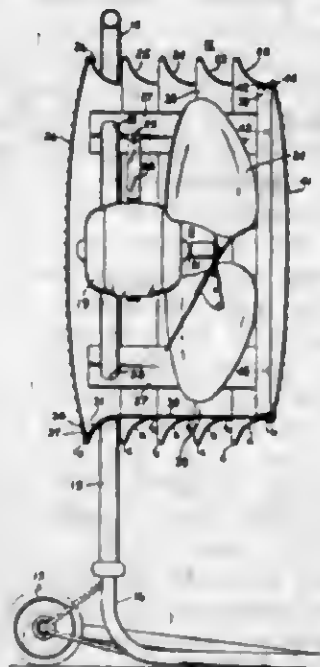


being disposed rearwardly of said one shroud ring, and a plurality of spin removing vanes disposed adjacent said propeller blades on the front or discharge side thereof, said vanes extending substantially radially in the path of the air discharged from the blades and having a cross section, including a discharge edge disposed substantially parallel to the axis of rotation, for deflecting the air discharged from the blades from a direction having a substantial rotational component to a direction substantially parallel to the axis of rotation of the blades.

2,628,020

AIR TRANSLATING APPARATUS

Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1947, Serial No. 768,686
14 Claims. (Cl. 230-274)



1. An air translating device comprising a motor-driven propeller having a substantially unimpeded axial flow path both front and rear

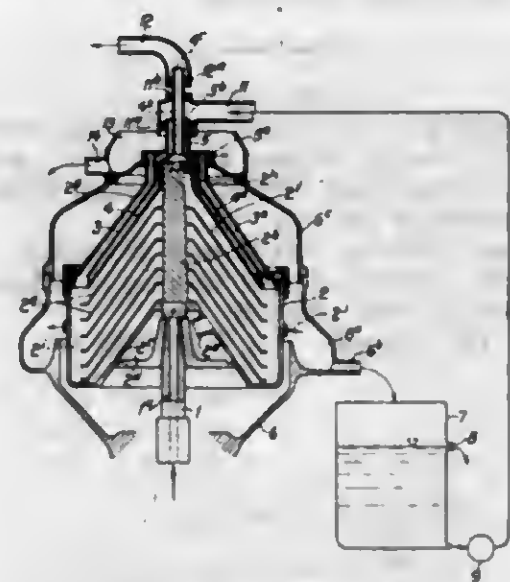
and adapted for intake and discharge of a main axially flowing stream of air, and a plurality of closely spaced shroud rings of curved cross section, each ring having a concave outer surface, an outer intake edge directed generally radially and an inner discharge edge of smaller diameter directed forwardly substantially parallel to the axis of the propeller, the discharge edge of each shroud ring extending forwardly substantially as far as the outer intake edge of the next shroud ring and having a diameter greater than that of said propeller, a plurality of said discharge edges being disposed adjacent the inlet side of said propeller, said shroud rings serving to introduce into the main axially flowing air stream, outwardly of the propeller operating zone, a continuous supply of air directed forwardly from the lateral region surrounding the propeller.

2,628,021

CENTRIFUGE WITH AUXILIARY FEED ARRANGEMENT

Per Hilding Staaff, Alsten, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Original application May 3, 1949, Serial No. 91,128. Divided and this application August 21, 1950, Serial No. 180,536. In Sweden May 3, 1948

9 Claims. (Cl. 233-14)

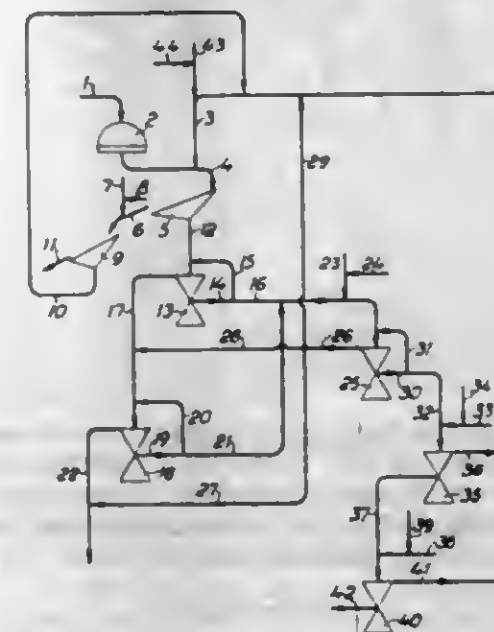


1. A centrifugal bowl comprising a bowl shell rotatable about an axis and having a separating chamber, the chamber having an inlet for the material to be separated and a peripheral outlet for a separated heavy component, a conical disc mounted in the upper part of said chamber and forming at its reduced portion a light component outlet leading from within the disc, a pair of superimposed conical members rotatable with the shell and located above and outwardly from the disc, said members and disc being spaced from each other to form a pair of superimposed conical interspaces separated by one of said members, the bowl having an intermediate component outlet to which one of said conical interspaces leads inward and upward with a taper from the outer part of the separating chamber, and an auxiliary feed port in the bowl from which the other conical interspace leads outward and downward with a flare to the outer part of said chamber.

2,628,022

METHOD FOR RECOVERING PROTEIN FROM PROTEIN CONTAINING MATERIAL

Carl Goran Eckers, Stockholm, Sweden, assignor, by direct and means assignments, of one-half to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden, and one-half to Imperial Chemical Industries, Limited, London, England, a corporation of Great Britain
Application February 16, 1949, Serial No. 76,695
In Sweden February 18, 1948
9 Claims. (Cl. 233-18)



1. In the production of substantially pure protein from a liquid containing dissolved protein and undissolved impurities, by coarse-straining the liquid to separate the relatively large solid impurities therefrom, subjecting the strained liquid to a first and coarse centrifugal separation in which the main part of the suspended impurities are removed from the liquid, and discharging a concentrate of suspended impurities from said centrifugal separation, the improvement which comprises subjecting the separated liquid from said first centrifugal separation to a second and fine centrifugal separation in which additional solid impurities are removed from the liquid, discharging said last impurities from the second centrifugal separation in the form of a concentrate as a heavier component while discharging the liquid as a lighter component from said second separation, mixing said discharged concentrates together, subjecting the concentrate mixture to a third centrifugal separation in a locus of centrifugal force to separate solids from liquid, continuously discharging the separated solids from said locus through the periphery thereof, returning the separated liquid and residual solids therein from said locus to the process for further centrifugal separation, and regulating the throughput rate in said locus to discharge said liquid therefrom at a degree of purity such that the total amount of solids removed by said separations is at least as great as the amount of solids introduced into the process with the liquid to be treated.

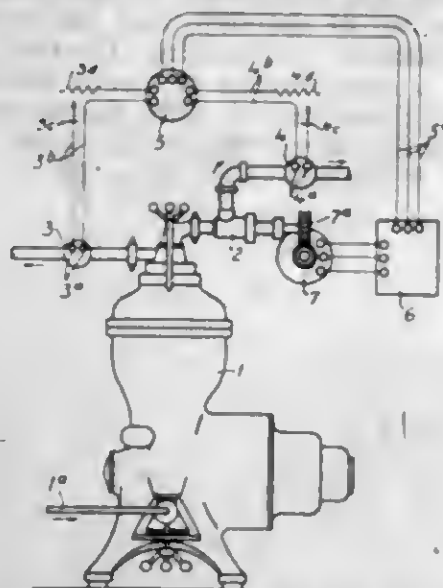
2,628,023

REGULATION OF THE FAT CONTENT OF MILK PRODUCTS

Per Ake Dahlstedt, Grondal, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application April 5, 1949, Serial No. 85,520
In Sweden April 5, 1948
2 Claims. (Cl. 233-19)

1. In combination with a centrifugal cream separator having separate discharge lines for the

cream and skim-milk, respectively, the combination of a cell in each of said lines for continuously measuring the electrical resistance of the discharge liquid flowing therethrough, a device connected to the cells for continuously indicating

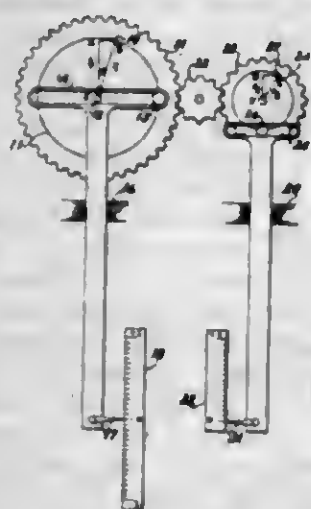


variations in the measured resistance value of the cream relative to the measured resistance value of the skim-milk, and a regulator operatively connected to said device for controlling the fat content of the cream discharging through the cream line.

2,628,024

SQUARING DEVICE

Ivan A. Greenwood, Jr., Pleasantville, N. Y., assignor, by mesne assignments, to Librascope, Inc., a corporation of California
Application April 22, 1950, Serial No. 157,434
8 Claims. (Cl. 235-61)



1. A device for solving the equation

$$y = x^n$$

where n is plus or minus unity comprising, means for introducing an input quantity in terms of a displacement magnitude, means for securing the arc cosine function of said displacement magnitude, means for multiplying said arc cosine function by 2° to yield a product, and means for obtaining the cosine of said product as a displacement.

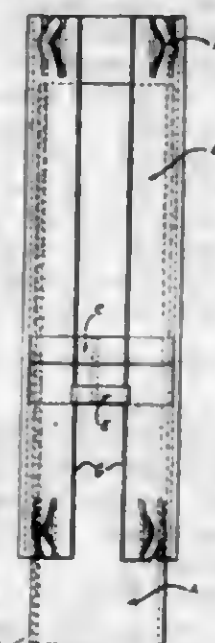
2,628,025

SLIDE RULE

Michael J. Quillinan, Bronx, N. Y.
Application March 12, 1951, Serial No. 215,135
8 Claims. (Cl. 235-79.5)

1. A slide rule having a cylindrical first slide, an index slideable and circumjacent with respect

to said first slide, said index slit along a side thereof, said index being resilient, said index evenly engaging said first slide, a second slide circumjacent to said first slide and said index, said second slide slit along the length thereof, said second slide being resilient, said second slide evenly engaging said index, resilient projections

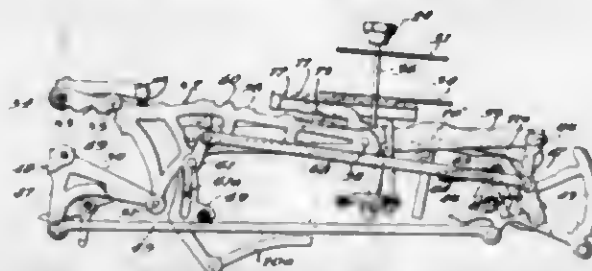


provided at the longitudinal extremities of said second slide, said projections offset with respect to the face of said second slide in the direction of said first slide in their unflexed state, said projections adapted to be flexed by engagement with said first slide, said second slide slideable with respect to said first slide.

2,628,026

KEY-DRIVEN CALCULATING MACHINE

Joseph A. V. Turck, Miami Beach, Fla., assignor to Felt and Tarrant Manufacturing Company, a corporation of Illinois
Original application November 22, 1949, Serial No. 128,741. Divided and this application May 26, 1950, Serial No. 164,435
10 Claims. (Cl. 235-32)



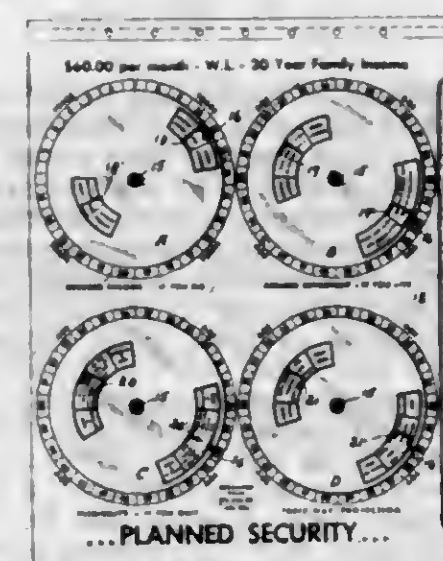
4. In a key-driven calculating machine having a frame, an accumulator mechanism and an ordinal column of keys, means operable by said keys for actuating said accumulator mechanism comprising an elongated lever extending along the column of keys, a member pivotally connected to the frame, a link pivotally connected to the member with said link being pivotally connected to the lever intermediate the ends thereof and with said link having a portion extending at least partially along the column of keys whereby some of the keys engage the link and the other keys engage the lever as the keys are depressed, supporting means movably positioned adjacent the end of the lever remote from said link, means for engaging the supporting means with said end of the lever pivotally to support the same, means for supporting the other end of the lever for movement with and as an extension of said por-

tion of the link, selectively operable means for engaging one or the other of said supporting means with the lever, a second link pivoted to the frame and pivotally connected to the first link, a sector gear engaging the accumulator mechanism and means connecting the second link to the sector gear.

2,628,027

INSURANCE CALCULATOR

Robert L. Baer, Bloomfield, N. J., assignor to The Colonial Life Insurance Company of America, East Orange, N. J., a corporation of New Jersey
Application July 29, 1950, Serial No. 176,641
1 Claim. (Cl. 235-38)



An insurance calculator for correlating separate groups of indicia, comprising a transparent panel, an opaque disk, means for rotatably supporting said disk on one side of said panel, said disk having a window exposing a portion of said transparent panel, means for supporting a plate on the other side of said transparent panel, said plate when so supported exposing through said panel one group of indicia around the periphery of said opaque disk and a portion of another group of indicia exposed through said window and said panel, whereby a rotation of said disk to a selected position serves to correlate a portion of one of said groups of indicia with a portion of the other group to obtain a calculated answer to an insurance problem.

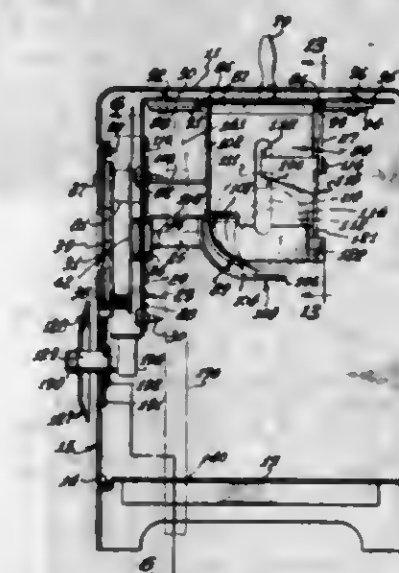
2,628,028

REGISTERING COIN BANK

Mauray G. Malnick, Sherman Oaks, Calif., assignor of fifty per cent to Sol Moss, Los Angeles., and fifty per cent to Irvin Lynn, Beverly Hills, Calif.
Application July 30, 1949, Serial No. 107,813
29 Claims. (Cl. 235-100)

1. In a coin bank: a housing member for receiving coins and having an opening; a closure member for closing said opening; a registering device for registering the value of coins deposited in said housing member; a lock element on one of said members; a latch on the other of said members and releasably fixed to said registering device to rotate with said registering device at all times during its registering movement, said latch having means thereon engaging means on said lock element for locking said closure member in closed position over said opening, said latch being movable by said registering device to a position unlatching said closure member when said registering device records predetermined value of coins

deposited in said housing member; and means enabling said latch to be shifted relative to said

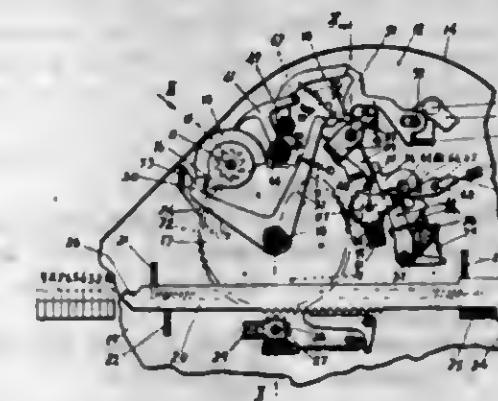


registering device to vary the value of coins to be deposited in said housing member before said closure member can be opened.

2,628,029

TRANSFER MECHANISM FOR CALCULATING MACHINES

Daniel Brodlo, Barnet, England
Application December 26, 1951, Serial No. 263,177
In Great Britain January 2, 1951
6 Claims. (Cl. 235-133)



1. In a machine of the type referred to having a totalizer with a plurality of denominational orders, carry storage means operatively associated with each totalizer order and operable when the associated order moves from 9 to 0 during addition and from 0 to 9 during subtraction, check means operable after a value-entering operation for indicating whether the associated order stands at 9 or 0, depending on the direction of value-entry, interlock means controlled by said check means for interlocking the said carry storage means of adjacent orders, and driving means controlled by said carry storage means for driving the individual totalizer orders simultaneously one step in the direction depending on that of the value-entry.

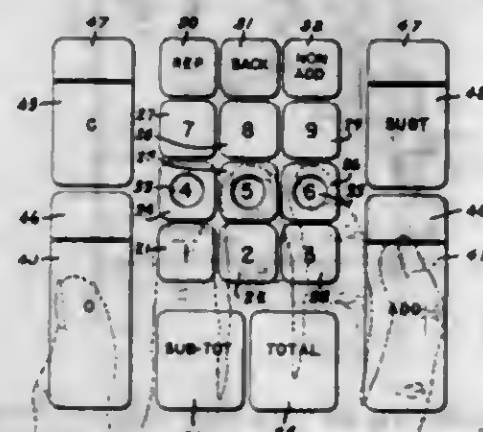
2,628,030

CALCULATING MACHINE KEYBOARD

Lawrence B. Taylor, Hillsborough, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application February 19, 1951, Serial No. 211,657
6 Claims. (Cl. 235-145)

1. A keyboard for a ten-key calculating machine comprising selection keys arranged in three transverse rows, a row for each of three said selection keys, the value indicating faces of each

of said rows of selection keys lying in a horizontal plane and in stepped relation to each adjacent row, an elongated key to the left of and extending forwardly of the selection keys, a second elongated key to the right of and extending forwardly of the selection keys, each of said elongated keys having a surface angularly disposed to the plane of the value indicating faces of said rows of keys, one of said elongated keys

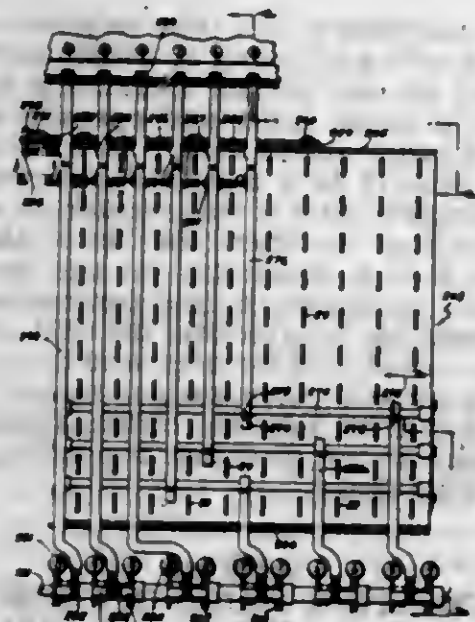


being a "0" key and the other the most commonly used control key, a control key aligned with the first said elongated key, a second control key aligned with the said second elongated key, and a relieved portion of each of said elongated keys forming an indenture between said elongated keys and said aligned control keys for enabling depression of either of said control keys to the exclusion of the aligned elongated keys during a rapid operation of the said keyboard.

2,628,031

DECIMAL POINT MARKER

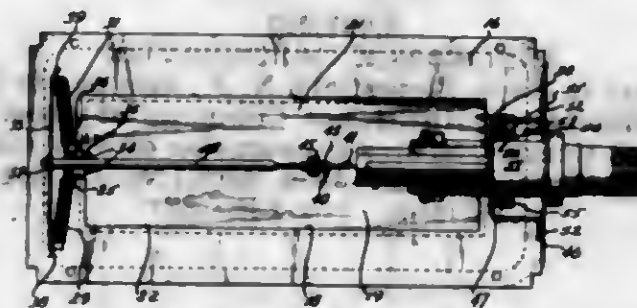
Grant C. Ellerbeck, San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application November 2, 1951, Serial No. 254,545
8 Claims. (Cl. 235-145)



1. In a calculating machine having ordinarily arranged keys for initiating an operation and a quotient register, a decimal point indicating device comprising ordinarily arranged indicating members, and means operated by said initiating keys for translating the corresponding member, said members extending rearwardly to a position adjacent the quotient register of said machine.

2,628,032
AUTOMATIC THERMOSTATIC CONTROL DEVICE

Bruce Gray Copping, Cuyahoga Falls, Ohio, assignor to Don Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 19, 1948, Serial No. 60,852
11 Claims. (Cl. 236-1)



3. A thermostatic regulating device in control of a torsionally balanced, cord suspended damper positioned in a duct leading from an air temperature conditioning system to a given space, comprising, in combination, a room thermostat having a dimension varying in response to temperature changes, an aspirator structure associated with said room thermostat to permit said thermostat to partake of average room temperature, a spring means associated with said room thermostat, a rotatively adjustable shell retainer cooperating with said spring means and said thermostat for establishing and controlling a calibrated actuating range for said thermostat, a link member connecting said thermostat to said cord suspended damper, said thermostat normally operable to close said damper upon a rise of room temperature under heating operation, a tensioning thermostat of the type which operates to vary the linear alignment of its members in response to temperature changes, a coil spring cooperating with said tensioning thermostat, said tensioning thermostat and said spring associated with said room thermostat and said damper operable to open said damper within determinable limits of a selective temperature range by spring biasing of said cord suspended damper, a reversing thermostat of the type which operates to vary the linear alignment of its members in response to temperature changes, a pair of pivotally mounted lever arms connected with the housing structure of said room thermostat, a manually adjustable supporting structure connected to said lever arms, a plurality of pin stops attached to said link member of said room thermostat operable to engage said adjustable supporting structure, said reversing thermostat and said lever arms cooperating with said room thermostat within a pre-determined temperature range to overcome said spring bias of said tensioning thermostat causing said damper to open upon a rise in room temperature under cooling operation.

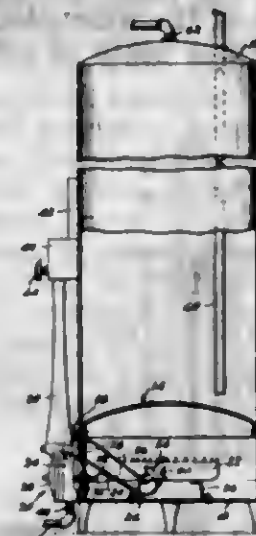
2,628,033

FLUID HEATER CONTROL APPARATUS

Russell F. Dotson, Atlanta, Ga.
Application December 6, 1949, Serial No. 131,473
14 Claims. (Cl. 236-21)

1. Fluid heater control apparatus comprising a valve casing, a diaphragm dividing said casing into two chambers interconnected by an orifice; means defining a burner supply port, a pilot supply passage and a fuel inlet port communicating with one of said chambers; a valve connected with said diaphragm for registry with said burner supply port, means defining a bleed passage communicating with the other of said chambers, a valve interposed in said bleed passage, a valve

interposed in said pilot supply passage, a manual operator for said pilot supply valve and means

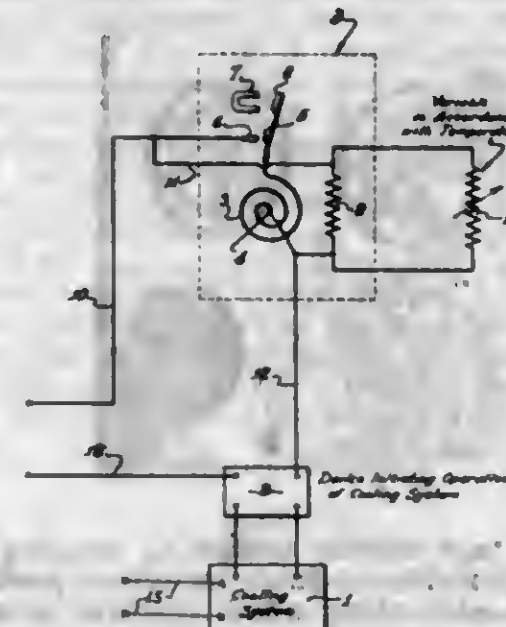


interconnected with said bleed passage valve obstructing said operator when said bleed passage valve is open.

2,628,034

TEMPERATURE RESPONSIVE APPARATUS FOR CONTROLLING COOLING SYSTEMS

William A. Ray, North Hollywood, Calif., assignor to General Controls Co., a corporation of California
Application March 28, 1949, Serial No. 83,892
2 Claims. (Cl. 236-68)



1. In a thermostatic control for a cooling system having electrically operated means for initiating the operation of the system: a thermostat affected by the temperature of the space to be cooled; contacts controlled by the thermostat for operating said initiating means; electrical heating means for the thermostat wholly connected across the contacts; the combined resistance of the heating means; and the initiating means being effective, unless the contacts be engaged, for maintaining said cooling system inactive; and means responsive to variations in outdoor temperature to increase the heat generated by the heating means as the outdoor temperature increases.

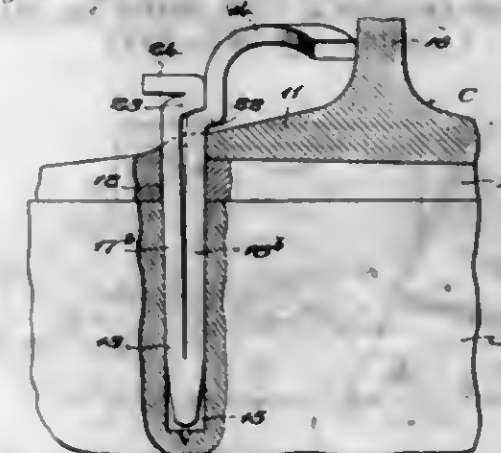
2,628,035

RAILWAY RAIL FASTENER

James M. Fawcett, Chicago, Ill.
Application June 14, 1948, Serial No. 32,787
6 Claims. (Cl. 238-349)

1. A rail fastener formed from a single length of spring steel stock of rectangular shape in cross

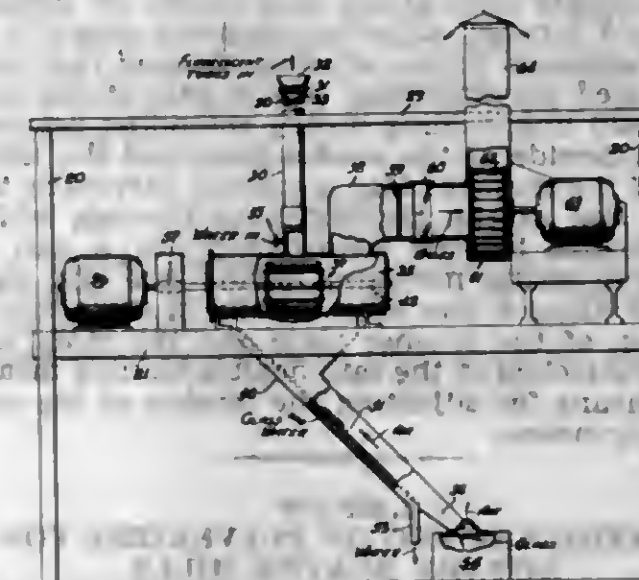
section having a width of approximately twice its thickness, said stock being bent upon itself to provide a shank composed of an outer leg and an inner leg to be driven tightly into a hole in a tie, a resilient arm constituting an extension of the upper end of said inner leg, said arm extending inwardly from said shank for clearance above the base flange of a rail so as not to interfere with vertical wave motion of the rail when the fastener is in a rail fastening position, said arm having a free end portion for frictional gripping engagement with the web of the rail when the fastener is in a rail fastening position, said arm being of a length such that when the fastener is in a rail fastening position said arm is flexed outwardly and has spring energy stored therein to maintain its free end portion in firm frictional gripping engagement with the rail web.



2,628,036

DEACTIVATING LAMP DISPOSAL PLANT

Jesse B. Hall, Berwind, W. Va.
Application December 22, 1950, Serial No. 202,281
2 Claims. (Cl. 241-47)
(Granted under Title 35, U. S. Code (1952), sec. 266)



2. A device for harmlessly destroying fluorescent tubes, including a tube breaker which comprises a rotor casing, a rotor drive shaft within said casing, two spaced end plates mounted on said shaft, a plurality of pairs of links, each pair being mounted on and between said two end plates, a threaded bolt detachably connecting each pair of links, spacing means resisting relative movement of said plates, and a sleeve loosely mounted on each bolt, a downwardly discharging tube receiving duct provided with an upper resilient closure discharging into said rotor casing adjacent the sleeves, a discharge chute from said

rotor casing provided with a screening bottom, a water spraying means within said inlet adjacent to said rotor casing, an air discharge duct operably connected with said rotor casing and an air exhausting means operably connected with said rotor casing.

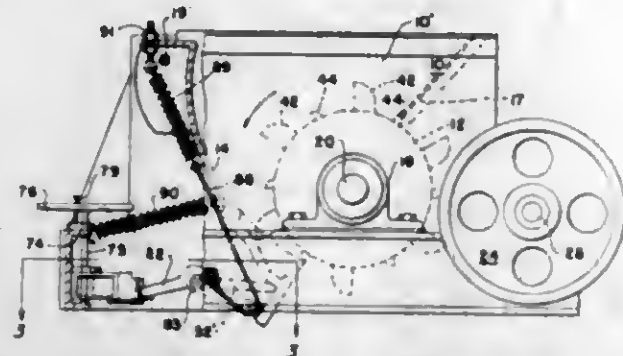
2,628,037

CRUSHING MACHINE

George E. Krider, Duncansville, Pa.

Application October 2, 1950, Serial No. 187,949

1 Claim. (Cl. 241-239)



The combination with a hinged crusher plate and a rotatable crusher roll, means for adjusting said plate relative to said roll comprising, a rack located rearwardly of the plate and movable perpendicular thereto, at least one pair of upwardly diverging double links extending between the rack and the hinged plate and flexible holding means for normally holding the said links in extended position, the rack being provided with tracks at each end thereof forming an angle with the path of the rack, a pair of rack adjusting elements having tapered edges adapted to engage the angular tracks of the rack for holding the same in adjusted position, said adjusting element being movable laterally of the said frame for positioning the said rack toward and away from the said roll, a toothed bar fixedly secured to each of the adjusting elements, a single pinion adapted to engage the teeth of both bars, each bar engaging opposite sides of the said pinion for moving the said tapered adjusting elements laterally of the stationary frame, whereby the said rack may be moved perpendicular to the axis of the said roll, said link holding means extending between the underside of the double links and the lower end of the crusher plate through which the flexible holding means may run, a pair of resilient spring members having one end supported along a line substantially in the plane of the top of the crusher plate and the other end being attached to the said flexible holding means and means for adjusting the tension of the said holding means.

2,628,038

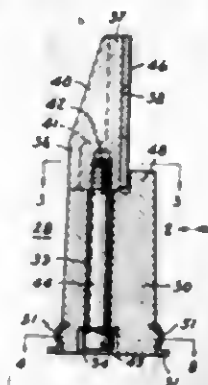
STATIONARY PEG OR PULVERIZER FOR ROTARY BEATER MILLS

Wayne C. Rogers and Lester A. Bolton, Jr., Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application March 17, 1950, Serial No. 150,146
8 Claims. (Cl. 241-300)

3. A pulverizing element comprising a base portion in the form of a peg of hard cast metal adapted to be attached at its inner end to a supporting structure and having an opening extending longitudinally therethrough, an extension piece of a strong tough metal mounted on the outer end of the peg and having a substantially flat front surface generally aligned with the peg, a

tension member extending through the said opening and connecting the inner portion of the peg to the inner portion of the extension piece, and a substantially flat armor plate of extremely hard



material fastened to the said front surface in position to be subjected to severe abrasive action by material undergoing pulverization when the element is in service.

2,628,039

TAPE-REELING SYSTEM

William Walter Watts, Wynnewood, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application April 21, 1949, Serial No. 88,745

5 Claims. (Cl. 242-76)



1. In a tape-reeling system, a housing containing a plurality of guide members, positioned to define a path along which the tape is to run, said housing containing an opening substantially in register with said path and through which a length of said tape may be entered edgewise into operative relation with said guide members, and a projection on said housing extending across a portion of said opening, said projection having a free-end under which a portion of said tape may be looped and an inclined inner surface along which the looped portion of said tape may be drawn edgewise through said opening into engagement with said guide members upon subjecting said looped tape to a reeling force.

2,628,040

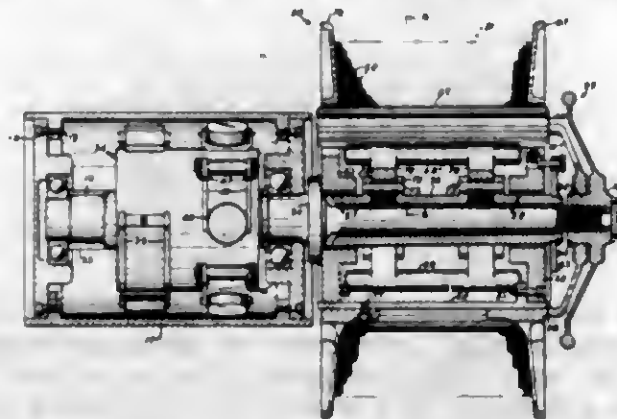
APPARATUS FOR HANDLING COILS OF STRAND MATERIAL

Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 9, 1951, Serial No. 219,941
7 Claims. (Cl. 242-78)

1. An apparatus for handling coils of strand material, which comprises a tubular member having a circular flange secured on one end there-

of, means for supporting the member rotatably about its longitudinal axis, said member having a plurality of slots equally spaced about the periphery thereof and designed to fit loosely within the central opening of a coil of strand material, a coil gripping member positioned slidably in each of the slots, a sleeve positioned within the rotatable member and rotatable about the longitudinal axis thereof, a plurality of links connecting the coil gripping members to the sleeve, means for turning the sleeve in one direction to cause the links to move the coil gripping members to their innermost positions within the slots so that a coil may be positioned on the rotatable member and for turning the sleeve in the opposite



direction to cause the links to move the coil gripping members to their outermost positions with sufficient force to secure the member for rotation with the coil, a flange positioned slidably on the opposite end of the rotatable member, and means attachable to the rotatable member for moving the last-mentioned flange toward the flange secured on the opposite end of the rotatable member and thereby clamp the coil tightly between the flanges so as to hold the convolutions of the coil together, said coil being clamped between the flanges with sufficient force to prevent the strand material in the outer convolutions of the coil from forcing in-between the convolutions of the inner layers of the material when the material is withdrawn from the coil.

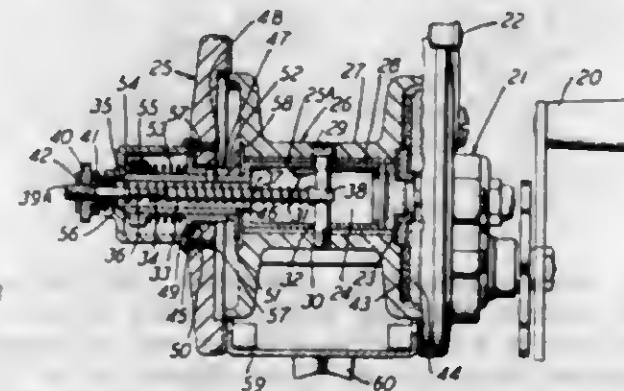
2,628,041

FISHING REEL

Raymond E. Slater, New Rochelle, N. Y., assignor of one-half to W. J. Warburton Associates, Inc., New York, N. Y., a corporation of New York

Application January 14, 1950, Serial No. 138,607

13 Claims. (Cl. 242-84.5)



1. In a fishing reel, the combination including a frame, a shaft rotatably mounted on said frame, a spool rotatably mounted on said shaft, an axially acting main spring urging said spool into braking relationship with said frame, cam connections between said spool and shaft moving said spool away from braking engagement with said frame upon relative movement of said shaft and spool, shaft braking means between said

shaft and frame, and means disengaging said shaft brake after said spool has been disengaged from its brake.

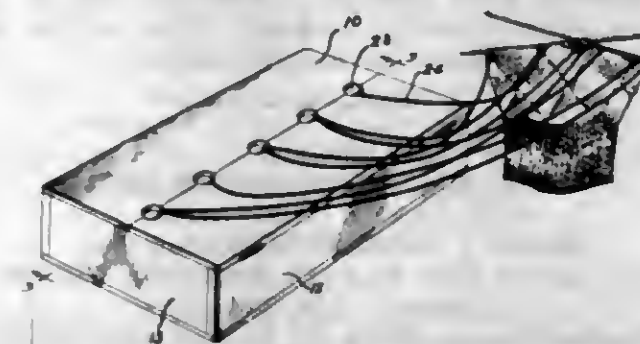
2,628,042

YARN HOLDER FOR MANUALLY KNITTING MULTICOLORED ARGYLE SOCKS

Edna Fitts, Asheville, N. C., and Mary Stringfield Allen, Burlington, Vt.

Application March 1, 1949, Serial No. 79,008

1 Claim. (Cl. 242-146)



A yarn holder for manually knitting multicolored argyle socks comprising a rectangular box having longitudinally and transversely disposed interior partitions, said partitions forming a plurality of compartments disposed in twin collateral rows in the interior of said box, each compartment being adapted for receiving a ball of yarn, and a top comprising twin covers hinged on the upper edges of the side walls of the box and disposed for covering relation with said compartments, said twin covers being provided in their extending edges with a plurality of meeting semi-circular openings forming circular openings in said top intermediate its sides and longitudinally thereof, each of said circular openings being disposed in spaced relation to at least two adjacent compartments of said twin rows so that twin strands of yarn drawn from said adjacent compartments may be trained through each of said circular openings, and whereby, upon the opening of one or both of said twin covers, balls and strands of yarn may be maneuvered in the knitting operation without moving the position of the remaining balls and strands of yarn retained in said holder.

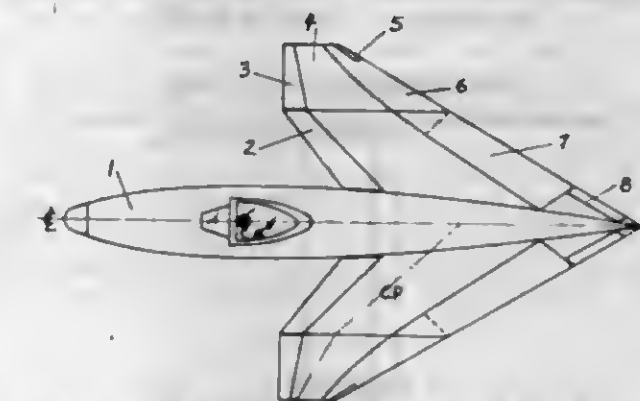
2,628,043

TAILLESS AIRPLANE

Paul Samuel Montgomery, Oklahoma City, Okla., assignor to Lloyd-Avon, Ltd., Oklahoma County, Okla.

Application February 13, 1951, Serial No. 210,692

1 Claim. (Cl. 244-13)



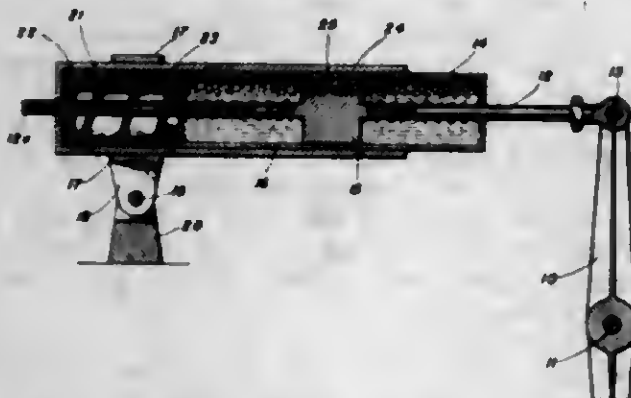
An airplane structure consisting of only a fuselage and wing with the center of gravity located well forward of the center of pressure of the mean aerodynamic chord, while the wing structure is constructed with inboard panels having dihedral and outboard panels having no dihedral, with trailing edges swept forward and

leading edges of inboard panels swept forward while leading edges of outboard panels are absolutely perpendicular to the longitudinal center line of the airplane, the root of each inboard panel having zero or low angle of incidence with the root of each outboard panel having slightly higher angle of incidence and tip of each outboard panel having even higher angle of incidence, said wing in planform having tips clipped just before trailing and leading edges join, with the trailing edge of the inboard panels only being turned up slightly, said wing having full trailing and leading edge flaps for flight control and low landing speed of craft, and said wing having tabs at tips and next to fuselage for trim.

2,628,044

CONTROL MECHANISM FOR AIRCRAFT SURFACES

Harold I. Johnson, Hampton, Va.
Application July 25, 1946, Serial No. 686,094
8 Claims. (Cl. 244-75)
(Granted under Title 35, U. S. Code (1952), sec. 266)

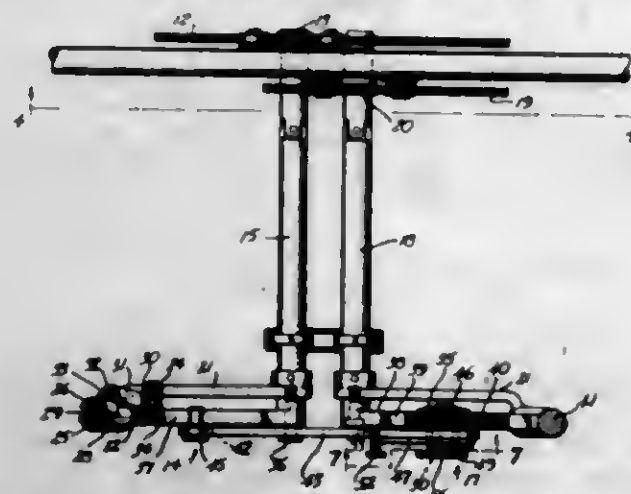


1. In aircraft having an elevator control lever, the provision of an auxiliary pivoted, airfoil located in the air stream, and means connecting said airfoil to said elevator control lever including a liquid filled cylinder having a piston movable therein, said cylinder connected to said airfoil and said piston operatively connected to said control lever, a limited orifice in said piston, said cylinder and piston movable together to pivot said airfoil with rapid movement of said control lever and movable independently of each other with relatively slow movement of said control lever.

2,628,045

AILERON CONTROL SYSTEM

Peter J. Schmidt, Everett, Wash.
Application November 5, 1951, Serial No. 254,855
10 Claims. (Cl. 244-83)



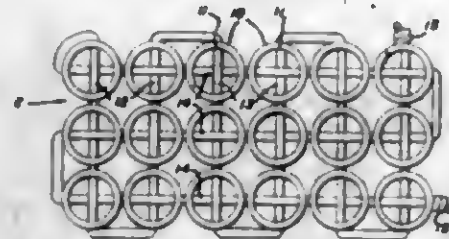
1. In an aircraft control system, an aileron control shaft; a rudder control shaft mounted

in spaced relation to said aileron control shaft; an aileron control lever fixedly connected with said aileron control shaft; a rudder control lever fixedly connected with said rudder control shaft; and an interconnector bar slidably connected with said aileron control lever and pivotally and slidably connected with said rudder control lever, forming an adjustable aileron-rudder control coordinator.

2,628,046

HEAT-CONDUCTING FABRIC

Eugene H. Hart, Middlebury, Conn.
Application February 9, 1948, Serial No. 7,260
1 Claim. (Cl. 245-2)

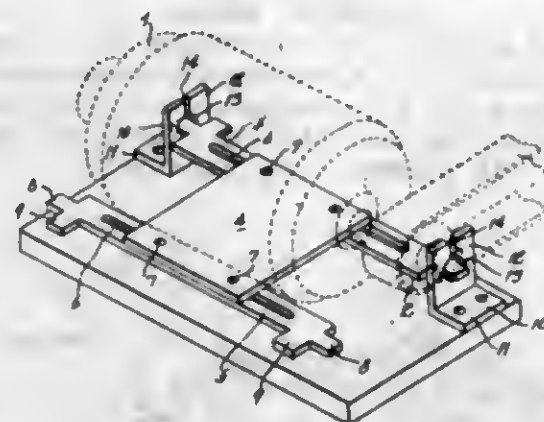


In a heat-conducting fabric, a plurality of rows of short tubular members of heat-conductive material, each of said members having a plurality of side apertures, and a plurality of rows of flexible cords passing through said apertures and crossing each other within said members, said cords being interconnected to form a flexible fabric, said tubular members having flat ends adapted to lie in full heat-transmitting contact with a surface upon which said fabric rests, spaces being left between adjacent members to permit the passage of air.

2,628,047

UNIVERSAL MOTOR MOUNTING FOR MACHINE TOOLS

Harry D. Herder and Walter L. Van Dam, Kalamazoo, Mich., assignors to Atlas Press Company, Kalamazoo, Mich., a corporation of Michigan
Application August 19, 1950, Serial No. 180,363
2 Claims. (Cl. 248-23)



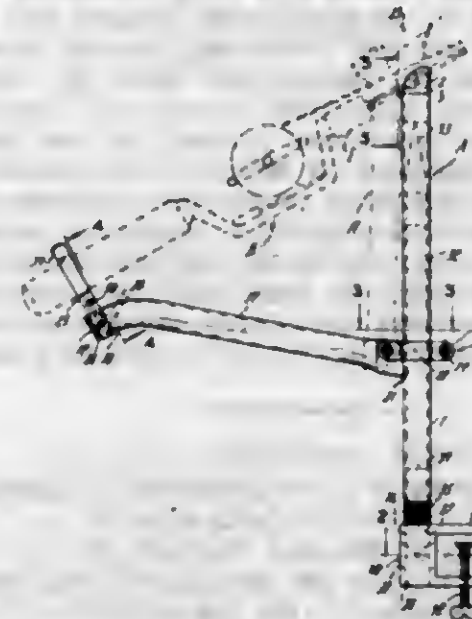
1. A motor mounting assembly comprising a pair of rectangular flat plates having means for attachment to a motor base and a pair of integral rectangular trunnion members extending at right angles to one another at adjacent corners of the plate, said trunnion members being extensions of the plate and of greater width than thickness, and a pair of mounting bearings, each comprising a support plate having a circular aperture of a diameter to fit the width of a trunnion member and pivotally support the same, and an access slot extending from said circular aperture to an edge of said support plate and having a width greater than the thickness of and less than the width of

said trunnion members, whereby said trunnion members may be inserted in said circular apertures through said slots and then rotated to a locked-in, pivotally-supported position.

2,628,048

FISHING ROD HOLDER

William A. McKinney, Normandy, Mo.
Application October 3, 1949, Serial No. 119,365
2 Claims. (Cl. 248-42)

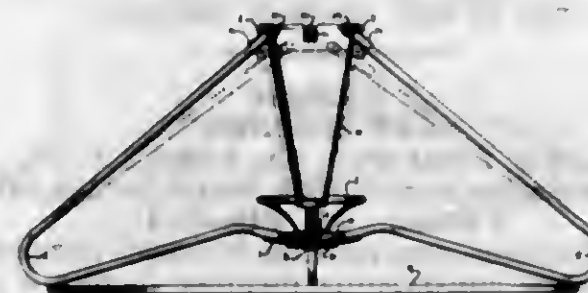


1. A fishing-rod holder comprising a post adapted to be supported in substantially vertical position and being provided at its upper end with an upwardly opening notch for loosely receiving a fishing-rod, a fitting disposed encirclingly around, and slidably engaged with, the post for adjustment lengthwise with respect thereto, means for locking the fitting in any selected position of adjustment, a hinge-forming element formed on the fitting and disposed radially outwardly with respect to the post, a boom swingably mounted on the hinge-forming element and having an abutment-forming end face at the hinged end of the boom disposed angularly with respect to the longitudinal axis of the boom and positioned to abuttingly engage the face of the post for limiting its outward swinging movement, and means on the outer end of the boom for gripping the handle of a fishing rod.

2,628,049

CHRISTMAS TREE HOLDER

Karl Johan Hansson, Sotrabrunn, Sweden, assignor to Nils Berggren, Herman Fernstrom, and Gustav Ostlund, all of Vasteras, Sweden, and Simon Jansson, Malung, Sweden
Application March 22, 1947, Serial No. 736,550
In Sweden December 31, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 31, 1965
5 Claims. (Cl. 248-44)



1. A support for an elongated object comprising a base, yieldably mounted arms extending

upwardly and inwardly from said base and terminating outwardly of the vertical center line thereof, a receptacle having apertures in the side walls adjacent the upper end thereof slidably receiving the inner extremities of said arms, a member depending from the bottom of said receptacle and extending through an opening in said base, said opening being substantially larger than said member, and clamping means carried by said member for engagement with the lower surface of said base whereby upon movement of said receptacle and arms downwardly under the weight of an object disposed therein said inner extremities will move inwardly into engagement with said object, said member being movable laterally in any direction in said opening to adjust the vertical alignment of said object and whereby upon movement of said clamping means into engagement with said base said object will be clamped in adjusted position.

2,628,050

WALL HANGER FOR ELECTRICAL DEVICES

Barclay R. Hardwick, Gays, Ill., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 22, 1948, Serial No. 55,867
1 Claim. (Cl. 248-224)



A bracket for resiliently supporting electrical devices on a wall to protect such devices from vibration of the wall comprising an L-shaped bracket member of resilient material having a vertical extension for attachment to the wall and a horizontal extension connected to the lower end of the vertical extension for supporting an electrical device, said vertical extension having at its upper end only a circular hole for receiving the head of a conventional round-headed screw protruding from the wall, said vertical extension also having an elongated slot above the hole and connected thereto and closed at its other end and being entirely within the vertical extension, the slot being narrower than the hole, said vertical extension of the bracket member being adapted to be pressed against the wall at its lower end by the weight of the electrical device carried by the horizontal extension of said bracket, and extending projections integral with said vertical extension and located on each side of said slot adjacent its connection to the hole, whereby said bracket can be supported from a protruding screw with the flat under portion of its round head meeting the flat surface of said vertical extension and with said projections preventing direct vertical movement of said bracket under conditions of vibrations even if the screw should become substantially loosened.

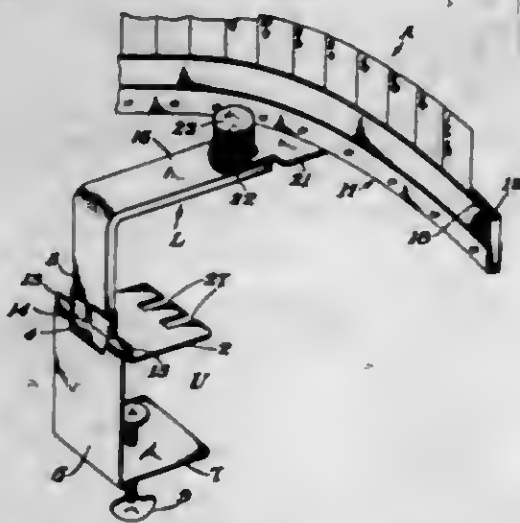
2,628,051

ADJUSTABLE SUPPORT

Irwin L. Anderson, Cleveland, Ohio
Application November 1, 1950, Serial No. 193,487
4 Claims. (Cl. 248-226)

1. A support, comprising a generally U-shaped member adapted to be attached to either hori-

zontal or vertical supporting edges and an L-shaped member connected thereto, said U-shaped member having a clamping thumb-screw in one of its flanges and a recess at the juncture of such flange and the U-member web portion, and a recess and cut-out at the juncture of the web and the other flange, the latter flange having a pair of end slots, said L-shaped member having one limb passing through said cut-out and resting against the inside of the web portion of the U-member with end at the recess between the web and the thumb-screw flange in

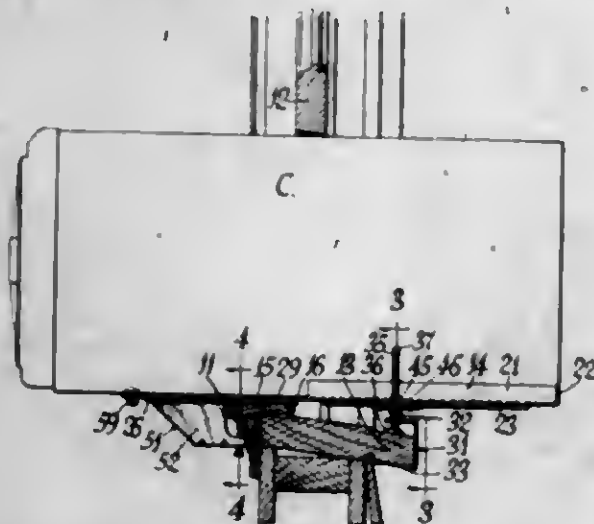


one position, and in another position against the outside of the U-member flange having the end slots, an external ridge at the juncture of the latter flange and web, a lock slide on said L-member engaging the end slots of the U-member flange in one position and engage behind the said ridge in another position, lateral gudgeons on the end of the said limb of the L-shaped member which engages the U-shaped member, an article-holding element having front and back walls, a lug projecting from the lower part of said element, and screw-threaded means for securing said lug to the L-shaped member.

2,628,052

SUPPORTING PLATFORM FOR WINDOW TYPE ROOM AIR CONDITIONERS

James W. Ciria, Sloan, N. Y., assignor to Fedders-Quigan Corporation, Buffalo, N. Y.
Application July 7, 1951, Serial No. 235,651
2 Claims. (Cl. 248-236)



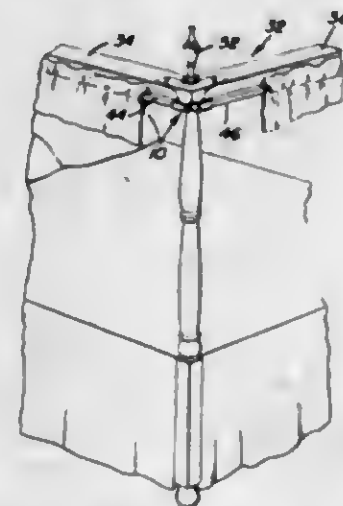
1. A supporting platform for mounting a room cooler in a window opening comprising an H-shaped frame having spaced parallel side rails interconnected by a transverse plate, a depending flange on the plate adapted to abut the edge of a window sill, and thereby position said rails

with portions extending inwardly and outwardly of the window, depressed portions formed on said rails along the inner and outer ends thereof, said depressed portions being formed with a plurality of bolt holes, side and end flanges on the outer portions of the rails to provide positioning and retaining means for a room cooler, laterally extending adapter beams having slotted portions positioned under the outer depressed portions of the rails, bolts extending through said slotted portions and one of said bolt holes to connect said beams and rails, clamping members adapted to be positioned around the outer portion of a window ledge and having threaded posts adapted to engage the ledge at one end and to project upwardly therefrom, additional bolt receiving apertures formed in the adapter beams and adapted to encircle the posts, nuts on the posts adapted to engage opposite faces of the beams, and additional clamping members adapted to be connected to and under the inner depressed portions of the rails, said additional clamping members including adjustable screws adapted to engage the under surface of a window sill.

2,628,053

BRACKET FOR SUPPORTING CURTAIN HOLDING BARS

Early C. Rhodes, Norfolk, Va.
Application October 10, 1949, Serial No. 120,477
2 Claims. (Cl. 248-263)



1. A bracket for supporting the curtain holding rods of canopies, said bracket comprising a flat substantially V-shaped horizontal base plate, a pair of flat bendable vertical walls integrally formed with and depending from said base plate and disposed perpendicular to each other, said walls including inner abutting vertical edges, an upwardly facing horizontal channel member integrally formed with the lower end of each of the walls, each channel member including an inner wall and an outer wall, said inner walls abutting, and a combined stop and strengthening plate secured to and joining the inner and outer walls of each channel member at the adjacent ends of said channel members.

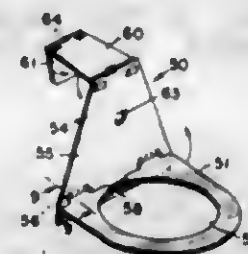
2,628,054

CUP HOLDER

Jack P. Fazakerley, Los Angeles, Calif.
Application June 5, 1950, Serial No. 168,147
1 Claim. (Cl. 248-311)

A collapsible cup-holding bracket, comprising a plate-like cup-holding member having a cup-receiving opening therein, and a hook portion including a first plate hingedly connected at one end to an edge of said cup-holding member, a

second plate hingedly mounted at the end of said first plate opposite the end connected to said cup-holding portion, and a third plate hingedly connected to said second plate at the end thereof opposite the end connected to said first plate, and stop means in said hinge connections limiting

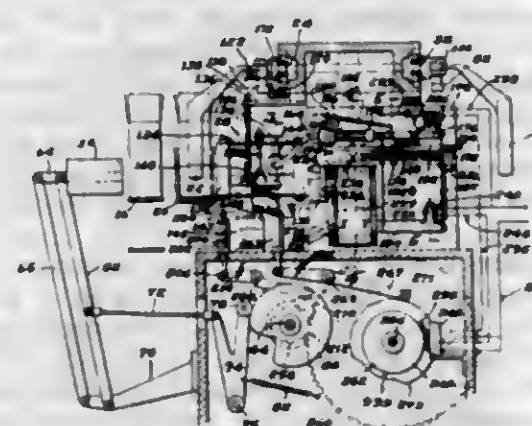


pivotal movement of each of said plates at each hinge to about 90° from a collapsed position in which said cup-holding member is against one side of said first plate and said second and third plates against the other side of said first plate with said third plate between said first and second plates.

2,628,055

CHECK-WEIGHING MACHINE

Max Knobel, Boston, and Thomas P. Howard, Milton, Mass., assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 24, 1951, Serial No. 252,834
15 Claims. (Cl. 249-2)

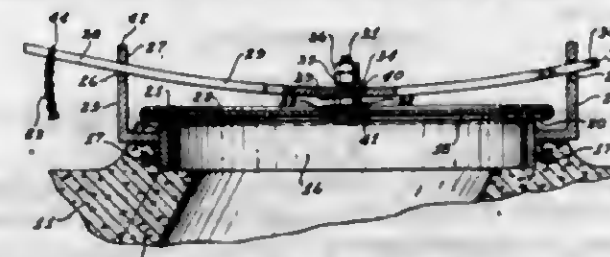


1. A check-weighing machine having, in combination, check-weighing mechanism including means for determining the variation in the weight of an article from a predetermined weight, pneumatic means operatively connected with and controlled by said variation-determining means for ascertaining the average algebraic deviation of a plurality of the weighed articles from the aforesaid predetermined weight, and indicating means for indicating such average algebraic deviation.

2,628,056

LEAKPROOF IRRIGATION VALVE

Reville Fuller, Phoenix, Ariz.
Application April 10, 1950, Serial No. 154,985
1 Claim. (Cl. 251-19)



In an irrigation valve, a valve seat ring member, a valve seat on the outer end of said ring member, a valve seat on the inner end of said ring member, and a valve seat on the outer end of said ring member.

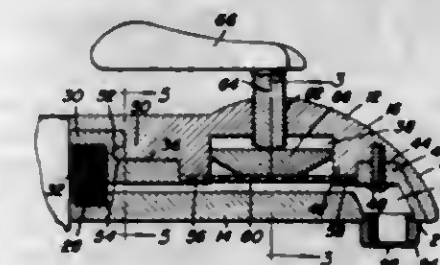
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member, a valve disc adapted to engage said valve seat, a bracket fixed on the periphery of said ring member having an axially disposed portion having a rectangular opening extending radially of said ring member, a second bracket fixed on the periphery of said ring member at a point diametrically opposite said first mentioned bracket having an axially disposed portion with a T-slot formed therein in a direction radially disposed relative to said ring member, a bow shaped control lever having its convex portion facing toward said valve disc, a hooked end on one end of said lever including, a hook portion disposed in a plane parallel to said valve disc, a hook notch in one side of said hook portion opening in a direction tangentially of said ring member, and an arcuate portion on the outer edge of said hooked end radially disposed relative to the root of said hook notch at a distance equal to the width of the slot formed in said first mentioned bracket so as to restrict radial movement of said lever relative to said ring member, a handle portion formed on the other end of said lever adapted to engage in said T-slot in said second bracket, and means for mounting said disc on said lever.

2,628,057

WATER FAUCET

Clarence P. Holderith, Kokomo, Ind.
Application September 2, 1949, Serial No. 113,685
2 Claims. (Cl. 251-24)



1. A valve comprising a housing including first and second elongated sections, said first section having a longitudinally extending passage therein terminating at one end in a transverse discharge orifice, said first section having a transverse opening therein intermediate the ends thereof communicating with said passage, said second section being disposed on said first section and overlying the transverse opening therein, a diaphragm disposed in said transverse opening between said sections to seal said opening, an interengaging tongue and groove connection between the ends of said sections remote from said discharge orifice, a fastener extending through the end of said first section adjacent said discharge orifice and into the adjacent end of said second section to detachably hold said sections together, and means carried by said second section for forcing said diaphragm into said passage.

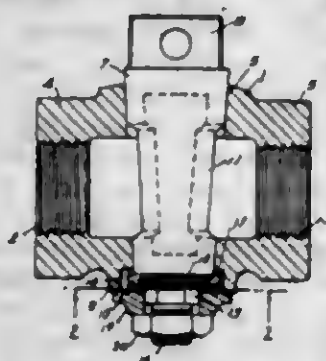
2,628,058

TAMPERPROOF PLUG VALVE

James G. Bradbury, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 5, 1949, Serial No. 119,649
7 Claims. (Cl. 251-91)

1. A plug valve comprising a body having a depending open skirted portion, a tapered seat and an inlet and an outlet, a rotatable tapered plug disposed on said seat having an apertured portion for registration with said inlet and said outlet and having stepped, threaded portions on the smaller end thereof, a threaded retain-

ing ring threadably engaging the larger of said threaded stepped portions disposed within the open skirted portion of said valve body, a washer surrounding one of said stepped portions on the smaller end of said plug and engaging the end of said open skirted portion, and a threaded



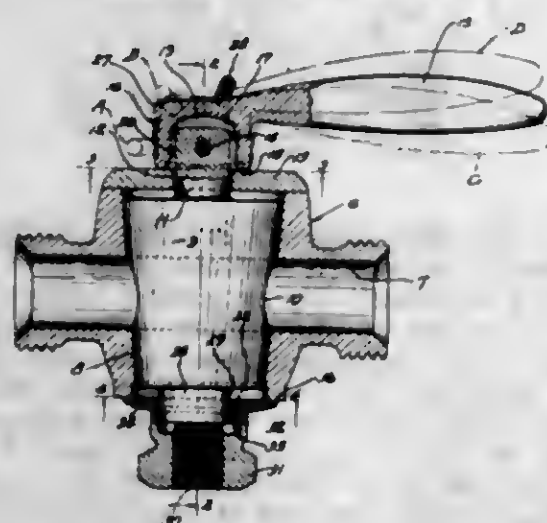
member disposed adjacent said washer threadably engaging the smaller of said threaded stepped portions of said plug for securing it on its seat in said valve body, said retaining ring being of greater diameter than the smaller end of said plug engaging said seat to retain said plug in said valve body.

2,628,059

LIFT PLUG VALVE

Ferdinand Hinrichs, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin

Application March 6, 1947, Serial No. 732,809
2 Claims. (Cl. 251-97)



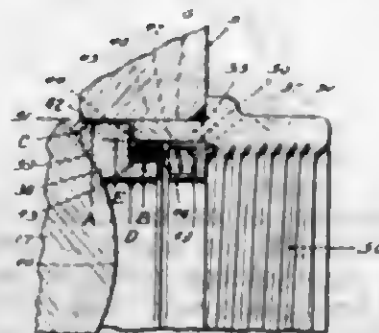
1. In a valve having a valve body provided with a tapered bore and having a ported tapered plug, an actuating mechanism comprising: a cover having an opening, a stem slidable in said opening, said cover having an annular upper surface portion around said opening; a handle normally disposed at a right angle with respect to said stem and having a depending rim portion at its inner end adjacent the projecting end of the stem and rotatable over said annular surface portion of the cover; and a pivot member extending diametrically through said stem and pivotally connecting the inner end of the handle to the projecting end portion of said stem for rocking movement on the axis of said pivot member, part of said depending rim portion being positioned for fulcruming engagement with a part of the flat annular upper surface portion of the cover on one side of the axis of the stem and part being positioned for fulcruming engagement on the other side of the said axis whereby the handle may be rocked on said pivot member in either of two directions away from a normal position at right angles to the valve stem to impart axial upward movement to the stem.

2,628,060

ROTARY PLUG VALVE SEAT

Arthur L. Parker, deceased, late of Cleveland, Ohio, by Helen M. Parker, executrix, Shaker Heights, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application May 15, 1945, Serial No. 593,796
12 Claims. (Cl. 251-113)



1. In a valve assembly, a casing structure having at least one first port bore and at least one second port bore, a rotor structure mounted in said casing structure and turnable for permitting or preventing flow of fluid through said bores, and sealing ring means carried by one said structure in position for engaging between the rotor structure and the casing structure about one of said bores for sealing the latter off, said sealing ring means presenting a first set of pressure areas for being acted upon by pressure of fluid having ingress through said first bore and a second and larger set of pressure areas for being acted upon by pressure of fluid from said second bore and about the rotor structure and out through said first bore, and including a rubber-like deformable ring mounted in position for engaging with and at least in part isolating said second set of pressure areas from the first set of pressure areas so that when pressure coming in through said first port bore toward the rotor structure is dominant it will be isolated from said second set of pressure areas and will act on said first set of pressure areas to press the sealing ring means into effective sealing contact with the structure other than the structure carrying the sealing means, said rubber-like ring being bodily shiftable out of its second pressure area isolating engagement when pressure coming in through said second port bore and about said rotor structure is dominant to permit said dominant pressure to act on said larger second set of pressure areas to press the sealing ring means into effective sealing contact with the structure other than said sealing ring means carrying structure, said rubber-like ring being shiftable bodily with the sealing ring means in one direction along the sealing ring means axis and being shiftable bodily relative to said sealing ring means and along the axis thereof in the opposite direction for making said first and second pressure area sets respectively effective in accordance with the direction of the dominant pressure.

2,628,061

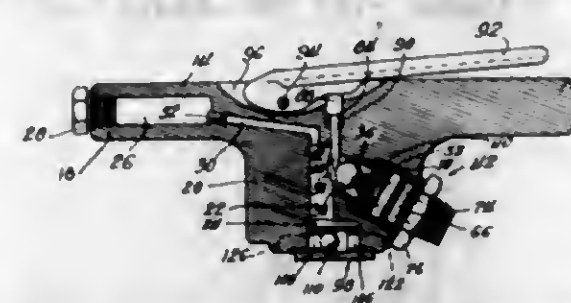
SWIVEL TYPE AIR INLET AND THROTTLE VALVE

Horace A. Brown, Ottumwa, Iowa, assignor to Hardsoc Pneumatic Tool Company, Ottumwa, Iowa, a corporation of Iowa

Application August 23, 1947, Serial No. 770,213
8 Claims. (Cl. 251-121)

1. A valve assembly for mounting and operation in a threaded bore in a valve block, said bore

in its entirety forming an air passage, said assembly comprising, in combination, a valve seat member, a spring seat threaded in said bore for retaining said valve seat member therein, a closure member and spring between said valve seat and spring seat, said spring biasing said closure member to valve closing position, said spring seat having a passage for flow of air therethrough, a sleeve in said bore outwardly of said spring seat, said sleeve having an enlargement on its



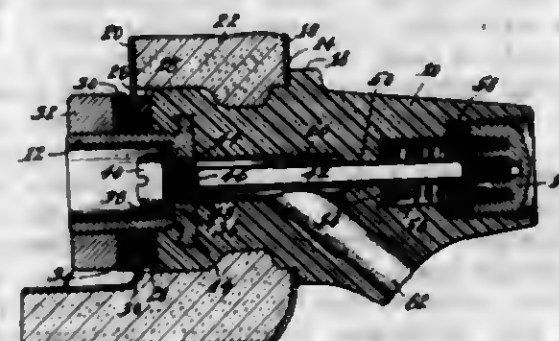
inner end adjacent said spring seat, said sleeve being freely rotatable in said bore, a ferrule surrounding said sleeve threaded in said bore, said ferrule bearing against said enlargement for retaining said sleeve in said bore, said enlargement on the sleeve being adapted to be biased against said ferrule, whereby a seal between said enlargement and said ferrule is obtained, said sleeve having a threaded portion extending outwardly beyond said ferrule adapted for connection with a source of compressed air.

2,628,062

PUSH-BUTTON SPIGOT

Milton W. Weber, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application March 13, 1947, Serial No. 734,345
2 Claims. (Cl. 251-137)



1. In a push-button spigot, a spigot body of material having heat-insulating qualities to minimize the transmission of heat between the interior of a wall in which the spigot is mounted and the exterior of such wall, a metallic threaded insert molded in said spigot body and having an enlarged head therein, a nut thereon for mounting such spigot body in said wall, a valve element adapted for seating on a seat formed in said insert, a spring to normally effect such seating, a stem extending outwardly from said valve element, and a push-button mounted on said stem.

2,628,063

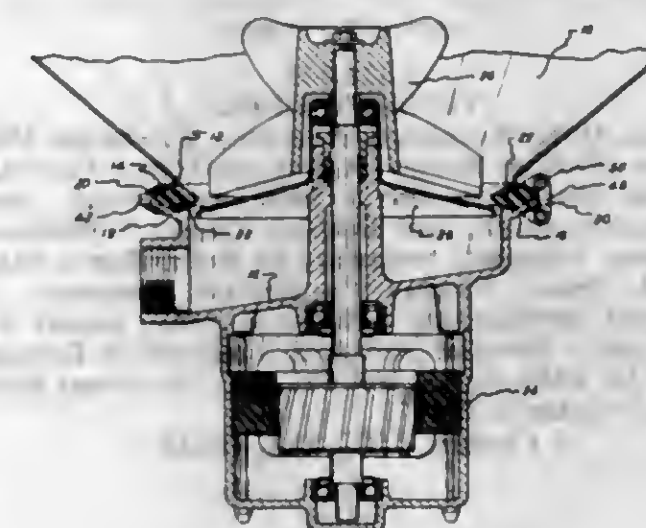
VALVE SEAT FOR DISHWASHERS

Charles Hollerith, Jackson, Mich., assignor to Lake State Products, Inc., Jackson, Mich., a corporation of Michigan

Application December 29, 1945, Serial No. 638,318
1 Claim. (Cl. 251-167)

In combination with a pair of separate hollow casing parts defining a fluid flow opening, an

annular unitary sealing gasket and valve seat member disposed between said parts and projecting into said opening, said member being of resilient material and diamond shape in cross-section, one of said parts having an annular V-groove in which adjacent first and second sides of said member are supported with one of said sides extending beyond said groove into said flow opening, the other of said parts having an annular outwardly flared portion engaging a third side



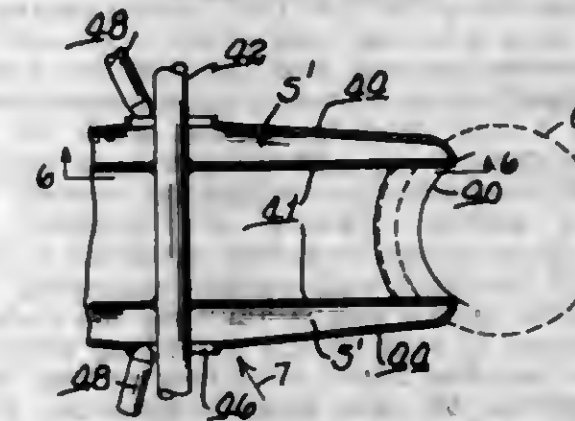
of said member, means for clamping said parts together with said member being confined between said V-groove and said flared portion to provide a sealed joint between said parts, said other part having a portion oppositely flared with respect to said first flared portion and substantially located in the extension of the same surface as the fourth side of said member, said side of said member projecting beyond said V-groove and into said fluid flow opening defining an annular valve seat portion.

2,628,064

MEANS FOR COOLING THE BLADES OF TURBINE ROTORS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application January 2, 1948, Serial No. 76
1 Claim. (Cl. 253-39.15)

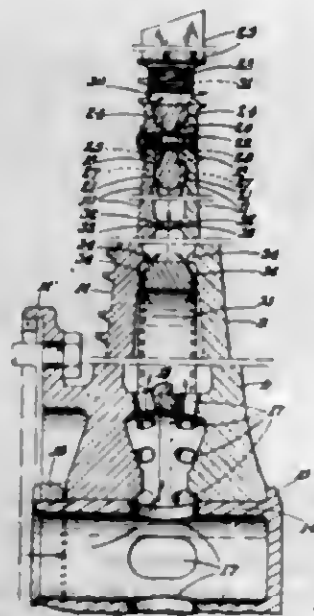


In a turbine apparatus, a rotor having spaced hollow end discs enclosing jacket spaces, a plurality of hollow turbine blades mounted between said discs and secured thereto at their ends only and entirely supported thereby, said blades having their outer edges concave lengthwise and with no part of any blade extending radially beyond the peripheral outer edges of said discs, said blades having lengthwise passages open at each end of each blade through the inner sides of said

discs to said jacket spaces and having discharge openings at their free peripheral concave outer edges, means to supply a cooling liquid to the jacket spaces in said hollow end discs, and a plurality of radiating partitions in the jacket space of each hollow end disc, which partitions subdivide said jacket spaces into radiating space portions through which said cooling liquid is fed by centrifugal force to the lengthwise passages in said hollow blades and through said blades to said edge-discharge openings.

2,628,065 TURBINE DISK

Adrian Albert Lombard, Allestree, Frederick William Walton Morley, Aston-on-Trent, Christopher Ainsworth Davis, Barrow-on-Soak, near Loughborough, and Stanley Clarke Wilkinson, Colne, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Original application October 2, 1947, Serial No. 777,506. Divided and this application December 19, 1950, Serial No. 201,644. In Great Britain October 2, 1946
3 Claims. (Cl. 253—39.15)

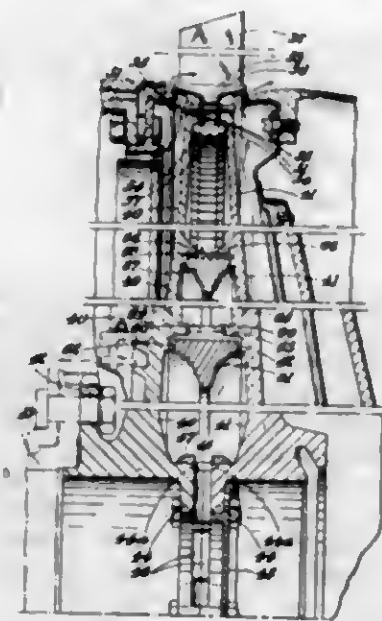


1. An axial flow turbine assembly, comprising in combination a first disc part having means for securing it to a hollow rotor shaft; a second disc part mounted coaxially with the first and axially spaced therefrom to provide a hollow space therebetween; a duct leading to said space for the supply of cooling gas; shoulder means on said disc parts adjacent the peripheries thereof and extending axially towards one another; an annular blade supporting ring mounted in said space and provided with axially extending circumferential spigot means abutting the radially inward faces of said axially extending shoulder means on said disc parts; axial flow turbine blades supported by said blade supporting ring; securing members to secure said disc parts against axial separation extending through the disc parts, and through said ring and located at a radius outside said spigot means; and passages in said axially extending shoulder means and said axially extending circumferential spigot means communicating between said space and the exterior of the disc assembly to permit the flow of cooling gas from said space, such flow cooling the ring and peripheral portions of the discs by direct contact therewith.

2,628,066

TURBINE DISK

Adrian Albert Lombard and Frederick William Walton Morley, Clitheroe, Christopher Ainsworth Davis, Barnoldswick, and Stanley Clarke Wilkinson, Colne, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Application October 2, 1947, Serial No. 777,506
In Great Britain October 2, 1946
6 Claims. (Cl. 253—39.15)



1. An axial flow turbine assembly comprising in combination two complementary disc parts secured to each other and axially spaced to provide a hollow space therebetween; means for supplying cooling gas to said space; peripheral shoulder means on said disc parts extending axially towards one another; a plurality of axial flow turbine blades arranged in circumferential assembly and having blade root portions; and an axially extending circumferential spigot element on each of said blade root portions to engage in radial outward abutment with said axially extending peripheral shoulder means on said disc parts; securing members extending through the disc parts and between adjacent blade root portions and located at a radius outside said spigot elements; spacer means located between adjacent blade root portions to space the disc parts axially independently of said blade root portions; and passages provided between said peripheral shoulder means and said blade root portions and communicating between said space and the exterior of the assembly to permit the flow of cooling gas from said space.

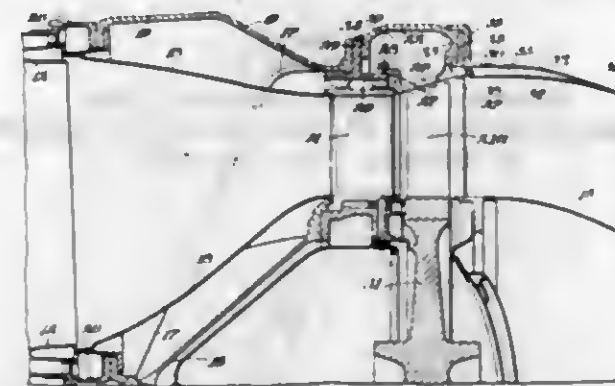
2,628,067

GAS TURBINE AND LIKE ENGINE

Adrian Albert Lombard, Clitheroe, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application June 16, 1947, Serial No. 754,945
In Great Britain June 18, 1946
2 Claims. (Cl. 253—65)

1. In an axial flow turbine, a turbine rotor, axial-flow rotor blades on said rotor and a turbine stator structure comprising a turbine inlet structure, a mounting ring on said turbine inlet structure, a turbine exhaust structure, a mounting ring on said turbine exhaust structure, a load-carrying ring sandwiched between and secured to said mounting rings and surrounding said rotor blades, said two mounting rings extending radially inwardly from said load-carrying ring and each having an axially-extending flange at its

inner diameter, said flanges extending towards each other to define two annular axially-extending recesses, and a substantially continuous stationary shroud ring for said rotor blades located between said load-carrying ring and said rotor blades and spaced from said load-carrying ring to provide a space therebetween in the plane of

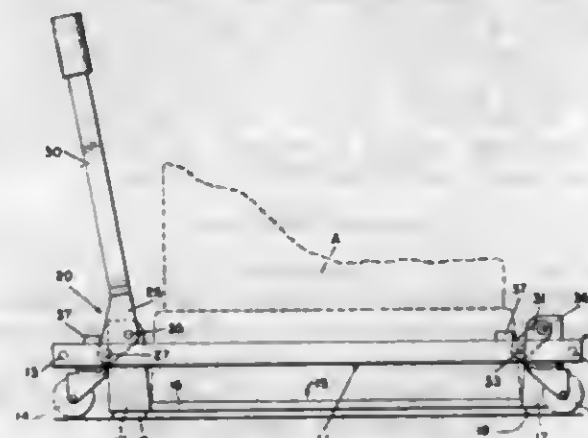


the rotor blades and radially outwardly of the rotor blades, said shroud ring comprising a plurality of segments each having a pair of oppositely-extending axially-directed flanges thereon, said segments being loosely supported at both ends in circumferential assembly by said axially-directed flanges engaged in said recesses.

2,628,068

ELEVATING TRUCK

Edward H. Schnert, Chicago, Ill.
Application July 12, 1949, Serial No. 104,190
1 Claim. (Cl. 254—10)



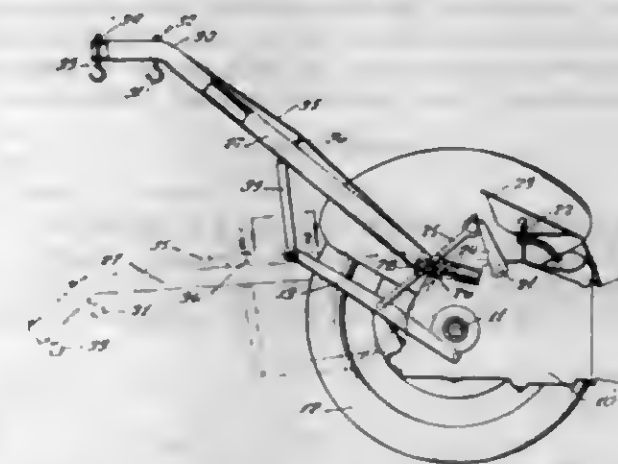
An elevating truck comprising a wheeled main frame having a pair of laterally spaced substantially parallel frame members, transversely extending braces connecting said frame members, a supporting platform positioned between said frame members, said supporting platform being movable from a ground supported position to a raised position, a lifting structure for moving said supporting platform, said structure including bearing members connected to the platform at longitudinally spaced portions thereof, said bearing members including tubular bearing elements extending transversely of the platform, shafts journaled on the bearing elements, each shaft including a projecting portion extending outwardly of the platform and adapted to overlap the spaced frame members, a plurality of lifting links connected to the shafts and arranged to pivot with respect to said platform, means pivotally connecting the links to the main frame, a lever connected to one of said shafts for moving the shaft and pivoting said links about their pivotal connections on the main frame, whereby said tubular bearing members and said shafts are moved to an over-center position with respect to the pivotal connections of said links, the pro-

jecting portions of the shaft being arranged and constructed to engage the frame members for supporting the supporting platform in a raised position.

2,628,069

LIFT ATTACHMENT FOR FARM TRACTORS

William R. Emery and Earnest Courtright, Sheridan, Wyo.
Application October 18, 1949, Serial No. 122,094
2 Claims. (Cl. 254—124)

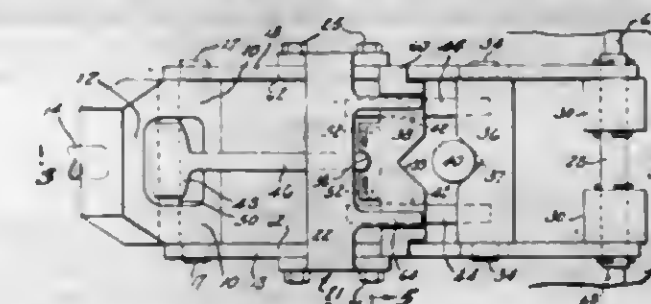


1. In combination with a tractor having a pair of links pivotally connected at their front ends to the tractor at the rear end of the latter and extending rearwardly from the tractor, a power-operated lift shaft journaled in the tractor above the front ends of said links and extending transversely of the tractor, a lift arm on each end of said lift shaft, struts respectively connecting said lift arms to said links to raise and lower the latter, and an apertured lug mounted on said tractor to the rear of said lift shaft, a lift attachment comprising an elongated boom, means pivotally connecting said boom at its forward end to said lug, a member secured to said boom intermediate the length of the latter and extending to opposite sides of said boom substantially at right angles thereto, legs extending respectively between the opposite ends of said member and said links to transmit lift forces from said links to said boom, means pivotally connecting said legs to said member and said links, and a hook secured to and depending from said boom near the rear end of the latter.

2,628,070

PIN PULLING MACHINE

Luigi Polselli and Salvatore Polselli, Philadelphia, Pa.
Application May 25, 1950, Serial No. 164,268
1 Claim. (Cl. 254—132)

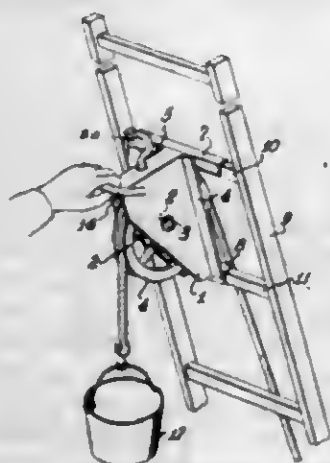


A pin pulling device including a chassis formed of spaced side arms, a first jaw pivoted to, and disposed between said arms near one end thereof, an actuating yoke pivoted to said arms near the other end thereof, an operating rod pivoted at one end thereof to said yoke, a second jaw disposed between said arms and pivoted to the other

end of said rod, said second jaw being movable, by movement of said actuating yoke about its pivot, toward and away from, said first jaw, the juxtaposed edges of said jaws having complementary recesses therein for receiving a pin to be pulled out, guide pins carried by said first jaw and extending in the direction of said second jaw, there being openings in said second jaw for receiving said guide pins, lateral extensions carried by said second jaw and adapted to ride on said side arms, a second yoke overlying, and secured to, said arms intermediate the ends thereof, guide prongs carried by said second yoke and overlying said second jaw, and lateral, raised end extensions carried by the ends of said side arms remote from said actuating yoke.

2,628,071

LADDER HOISTING ATTACHMENT
James N. Williams, Los Angeles, Calif.
Application June 17, 1949, Serial No. 99,735
6 Claims. (Cl. 254—195)



1. A hoisting device attachable to the inner surface of a ladder comprising, a frame having flat side walls, an upper and a lower cross-member secured to the outer edges of said walls, the members being shaped to engage any two adjacent rungs of the ladder firmly to maintain the frame in inwardly projected position on the ladder, and a grooved wheel rigidly seated for rotation within the inwardly projecting side walls of the frame.

2,628,072

DRILL BIT HAVING GROOVE WITH HARD METAL CUTTER INSERT BRAZED THEREIN

John B. Baker, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application September 1, 1949, Serial No. 113,539
3 Claims. (Cl. 255—64)



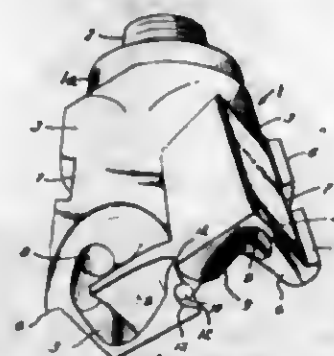
1. In a drill bit, a body providing a groove opening axially of the body and having a bottom surface and two opposite sides, an insert for the bit formed of harder material than said body disposed in said body groove between said two opposite sides and against the bottom surface thereof, the sides of said insert and the adjacent

sides of said groove forming spaces which vary in cross section between the bottom surface of said groove and the axially open side thereof, said spaces being narrower at the bottom and wider at the top, and bonding material disposed in said spaces for securing said insert to the sides of said groove.

2,628,073

DRILL BIT

Herman L. Kless, Houston, Tex.
Application March 26, 1951, Serial No. 217,482
11 Claims. (Cl. 255—72)

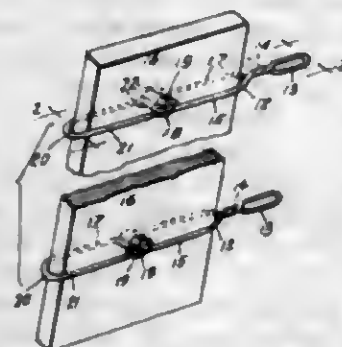


6. A drill bit, comprising, a body formed at its lower end face to provide a pair of cutters generally V-shaped in transverse cross section and facing in opposite directions, a pair of fluid passages extending generally longitudinally through said body on opposite sides of its longitudinal axis and having discharge openings at the rear of the V-shaped cutters, a core-receiving passage extending through said body along said longitudinal axis having its lower end opening between the adjacent inner ends of the V-shaped cutters and its upper end opening through a side of the body, said inner ends of the V-shaped cutters terminating in additional cutting edges directed generally tangentially to said core-receiving passage.

2,628,074

PORTABLE HINGED SLAT FENCE

John Wilson Anderson, Baldoon, Shaw, via Blayney, New South Wales, Australia
Application May 29, 1950, Serial No. 165,004
In Australia June 2, 1949
10 Claims. (Cl. 256—26)



1. A portable fence, enclosure, traction strip, or the like consisting of a series of slat-like members of suitable material linked together and spaced apart in a hinged manner, in more or less parallel arrangement, by a series of coupling devices at at least two locations in the length of the said slat-like members, such coupling devices being looped around the related slat-like members, and having at least one formation in the said coupling devices extending through the related slats to lock the said devices thereto.

2,628,075

FENCE AND FENCE POST CONSTRUCTION

Kristian Trygve Torstensen, Millet, Alberta, Canada

Application March 13, 1950, Serial No. 149,240
2 Claims. (Cl. 256—52)

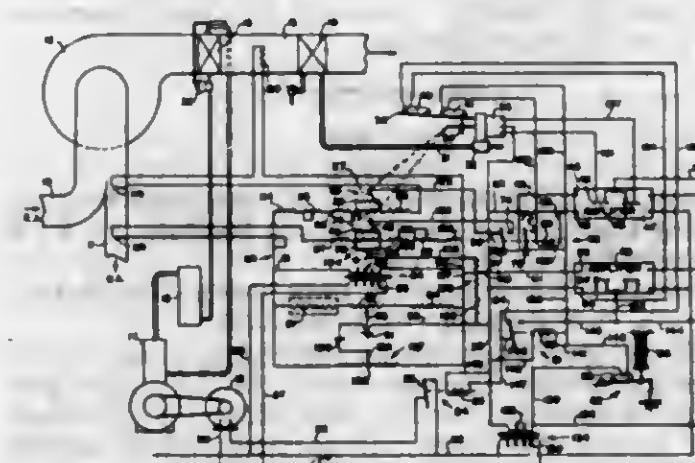


1. A fence post construction comprising a plurality of relatively short, solid, vertically stacked, cylindrical blocks having a relatively small diameter bore extending axially thereof and a chordal, indented, continuous V-shaped groove in at least one end thereof, said groove being in communication with said bore and slightly offset with respect to the axis of said bore, a metal rod having a diameter only slightly less than that of said bore extending through the bores of all of said blocks, a plurality of fence strands each carried in one of said grooves, and means on said rod to clamp said stacked blocks in position with respect to each other, said grooves, bore and rod being positioned with respect to one another so that each fence strand is clamped in its V-shaped groove by adjacent blocks and said fence strands and rod are in electrical contact with said fence strands being maintained in straight lines.

2,628,076

AIR-CONDITIONING CONTROL SYSTEM

James W. Smith, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 22, 1949, Serial No. 72,243
18 Claims. (Cl. 257—3)



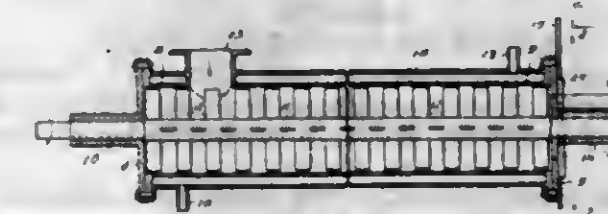
3. In control apparatus for an air conditioning system having both heating and cooling equipment, in combination, an electrical network circuit, said circuit having a plurality of parallel branches, input connections for said circuit, one of said branches including a first condition responsive impedance, said one branch including an output connection common to the network circuit, another of said branches including another output connection and a second condition

responsive impedance, said second impedance being arranged to act as a compensator to the first impedance, an additional branch of said network circuit including an additional output connection and a third condition responsive impedance for compensating said first impedance, said third impedance being arranged on a side of said additional output connection opposite to the arrangement of said second impedance and said other output connection to thereby compensate the first condition responsive impedance in a direction opposite that of the second condition responsive impedance, an amplifier means capable of controlling heating equipment, another amplifier means capable of controlling cooling equipment, means connecting said common output connection to both of said amplifier means, and means connecting said second and third output connections to said heating and cooling amplifier means respectively.

2,628,077

METHOD OF EFFECTING INDIRECT HEAT TRANSFER

Erwin C. Handwerk, Leighton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1949, Serial No. 93,698
3 Claims. (Cl. 257—84)



1. The method of effecting indirect heat transfer between discrete particles of a solid and a temperature-controlling medium which comprises introducing the particles of the solid into one end of a substantially horizontally-disposed elongated vessel, maintaining the temperature-controlling medium in heat-exchange relation with the interior surface of said vessel, mechanically agitating said particles in the presence of the atmosphere prevailing within the vessel and with impelling forces of sufficiently high velocity to maintain the particles in suspension and thus form a fluidized mass of said particles, maintaining the temperature of the particles during such agitation below their fusion point so that they maintain their discrete form, discharging the particles of solid from the vessel adjacent the other end thereof at a predetermined height above the bottom of the vessel to maintain within the vessel a mass of said particles sufficient in amount to produce a fluidized mass thereof during said agitation, and controlling the retention period of said fluidized mass within the vessel essentially by control of the rate of introduction of the solid particles into the vessel.

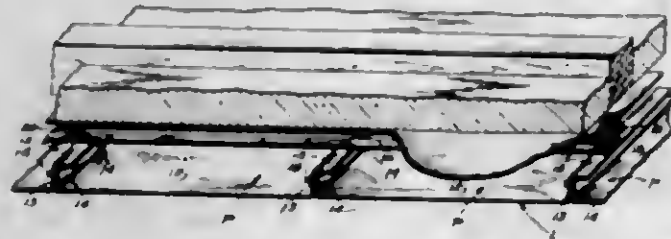
2,628,078

RADIANT HEATING PANEL

Wolfgang W. Krauss, Aurora, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application October 19, 1948, Serial No. 704,495
7 Claims. (Cl. 257—124)

1. A radiant heating panel comprising a plurality of elongated channels defining an upper course in which adjacent channels are disposed substantially side by side, additional elongated channels defining a lower course in which adja-

cent channels are disposed substantially side by side, the channels of said courses facing each other and extending at substantially right angles to each other to define a plurality of intersecting passageways for fluid within the panel, said panel having openings to conduct fluid into and from said passageways, and means securing the upper and lower courses together, said channels each comprising a metal sheet having a body portion,



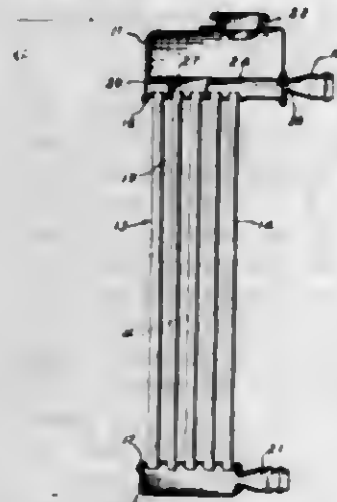
an edge portion constituting a side of the channel and defining a flange having transverse apertures, and another edge portion constituting the other side of the channel and defining a projecting portion in interlocking engagement with a flanged portion of an adjacent channel, and said course-securing means being disposed in registered apertures of opposed upper and lower flanges and engaging said flanges.

2,625,079

RADIATOR CONSTRUCTION

Alex L. Haynes, Detroit, and Victor G. Raviolo, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application June 22, 1950, Serial No. 169,684
2 Claims. (Cl. 257-129)



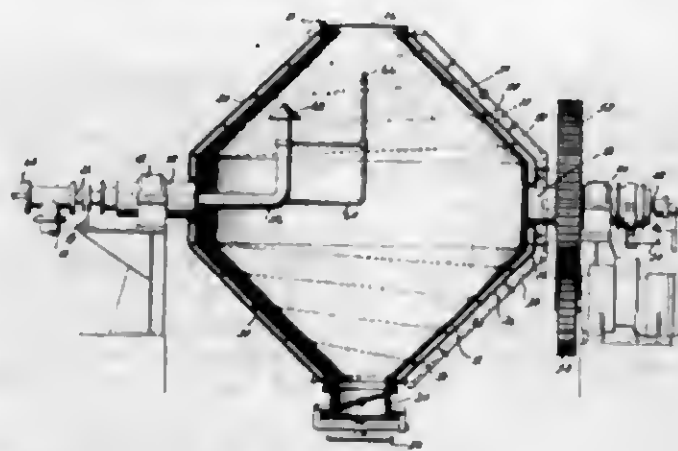
1. In a radiator construction, a tubular core having upper and lower tube sheets and a plurality of tubes extending vertically therebetween and projecting through the upper tube sheet with their upper ends terminating a short distance above said tube sheet, an upper tank located above said upper tube sheet, a generally horizontal baffle plate extending across said upper tank with its peripheral edges engaging the walls of said tank to form a fluid tight seal therebetween, said baffle plate being located between said upper tube sheet and the upper wall of said tank with the distance from said upper tube sheet to said baffle plate being substantially smaller than the distance from said baffle plate to the upper wall of said tank to divide said tank into a small lower chamber and a larger upper chamber, a pair of inlets for introducing fluid to be cooled into said radiator communicating directly with said smaller lower chamber, a filler neck in the upper wall of said tank communicating directly with said upper chamber for introducing fill fluid

therein, said baffle plate having an enlarged opening therein, and a spout extending downwardly from said baffle plate in alignment with said opening to provide for the passage of fill fluid from said upper chamber to said radiator core, said spout terminating close to said upper tube sheet to deter fluid which enters the lower chamber through said inlet from surging through said opening into said upper chamber.

2,625,080

JACKETED CONICAL BLENDER

Robert B. Mack, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application September 22, 1950, Serial No. 186,276
4 Claims. (Cl. 259-14)



1. A blender having generally frusto-conical terminal portions joined at their bases by an interposed generally cylindrical portion, the axes of the terminal and intermediate portions being aligned, means mounting the said blender for rotation about an axis transverse to the said aligned axes, a jacket enclosing the said frusto-conical and cylindrical portions, means near one end of the said second mentioned axis introducing a temperature regulating fluid into the said jacket, means at the same said end emitting the said fluid from the said jacket, a vacuum pipe extending into the said blender near the end of the said second mentioned axis remote from the fluid introduction end of said jacket, and a spray pipe passing axially through the said vacuum pipe into the said blender.

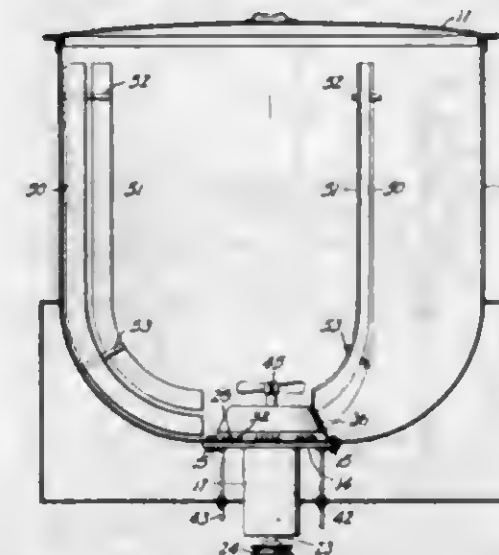
2,625,081

MIXER

Thomas J. Laird, Buffalo, N. Y., assignor to T. J. Laird Equipment Corporation, Buffalo, N. Y., a corporation of New York
Application November 12, 1948, Serial No. 59,486
2 Claims. (Cl. 259-96)

1. Dispersion apparatus comprising a vessel and dispersion means therein comprising a stator and a rotor disposed therein, said stator comprising upper and lower discoidal portions lying closely adjacent the upper and lower surfaces of the rotor and including a central opening for ingress of material to be dispersed, said stator having an annular portion extending between the upper and lower discoidal portions and about the rotor, said rotor having outwardly projecting blades proportioned to terminate in relatively close juxtaposition to the inner periphery of the annular portion of the stator, said annular portion having a circumferential series of outwardly extending passages of relatively narrow cross-section as compared with their outward extent,

and an axial displacement impeller disposed outside of said central opening and fixed for rotation

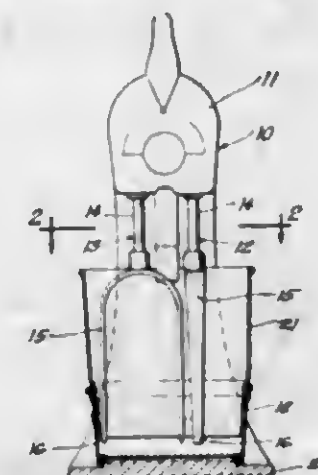


tion with the rotor for urging material toward said central opening.

2,625,082

APPARATUS FOR CONVERTING HARD ICE CREAM OR FROZEN CONFECTIONS TO A PRODUCT OF SOFTER CONSISTENCY

Walter S. Fredenhagen and Mark S. Schmidt, Naperville, Ill.
Application September 25, 1951, Serial No. 248,114
4 Claims. (Cl. 259-104)



1. Apparatus for converting relatively hard ice cream to a more palatable consistency generally referred to as soft ice cream having a temperature of the order of 20° F. comprising only a pair of intermeshed rotatable motor driven beater elements each comprising a pair of downwardly extending pointed prongs, and a container for receiving said beater elements therein and for containing said ice cream while subjected to a beating action by said elements, said container comprising a paper cup and a sleeve including a threaded portion for making threaded engagement with the open end of said cup, said pointed prongs permitting ready insertion of said elements into the hard ice cream.

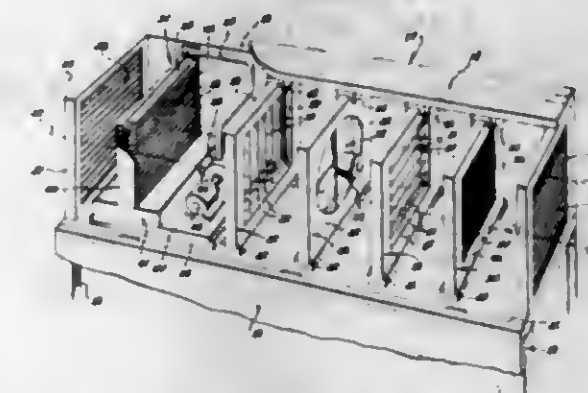
2,625,083

AIR-CONDITIONING APPARATUS

Daniel S. Rense, Los Angeles, Calif., assignor of one-third to Reed C. Lawlor, Alhambra, Calif.
Application July 29, 1946, Serial No. 686,803
4 Claims. (Cl. 261-14)

4. An air conditioning apparatus comprising a housing, a fan for circulating air along a predetermined path through said housing, an air

sterilizer unit comprising a gaseous discharge lamp disposed in sterilizing relationship with air circulating along said path, an air heater unit comprising an electric heater disposed in heating relationship to air circulating along said path, a first electric circuit including means for controlling the supply of electric energy to said heater, an evaporator unit comprising an electric driven pump and also comprising evaporator elements disposed across said path, a second electric circuit including means for controlling the speed of said pump, a movable element having a neutral position and a plurality of active positions for controlling the speed of said fan, means

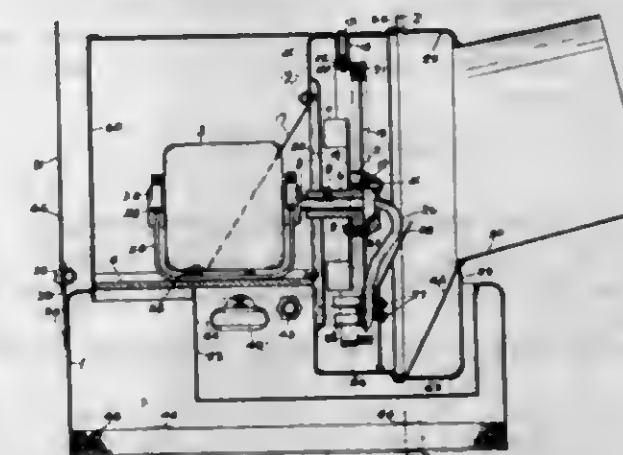


controlled by movement of said element from said neutral position to one of said active positions for energizing said fan, the fan speed depending upon the active position in which said element is set, means controlled by movement of said element from said neutral position to an active position for energizing said gaseous discharge lamp, and means controlled by movement of said element from said neutral position to an active position for preparing said two electric circuits for operation and controlled by movement of said element from an active position to said neutral position for rendering said two electric circuits inoperative.

2,625,084

HUMIDIFIER

Earl W. Denman, Cranford, N. J.
Application May 8, 1950, Serial No. 160,651
5 Claims. (Cl. 261-28)



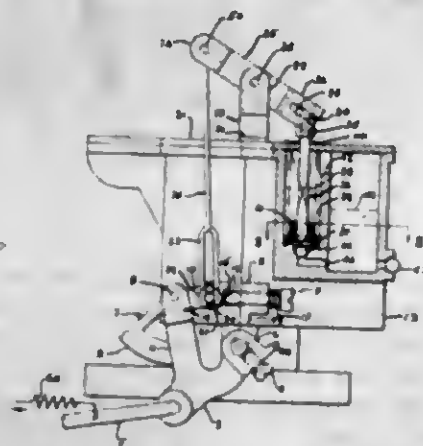
1. A humidifier comprising a frame structure, a vaporizing unit carried by the frame structure, said unit including: an electric motor carried on a base member forming part of the frame structure, the motor having a shaft extension, a hollow water receiving cup fixedly mounted on said shaft extension, the cup having discharge openings, a water distribution disc rotatably connected to said shaft, a grill circumferentially positioned around the outer edge of said disc with means for supporting the grill in spaced relation to said disc, a fan operatively carried by said shaft, a

water feed tube extending from the hollow part of the cup to a point, near the lower part of the grill and disc, a pan like structure carried by said base member and encompassing at least in part the fan, grill, disc, cup and water feed tube, a water tank having a water level control means therein, a water opening in the bottom of said pan structure which has its bottom extending into the water tank far enough to allow water to come up to the grill, disc and mouth of said feed tube and a hood extending outwardly from said pan like structure.

2,628,085

CARBURETOR

John T. Rauen, Detroit, Mich.
Application November 8, 1948, Serial No. 58,830
17 Claims. (Cl. 261-65)



1. A carburetor adapted to supply fuel to an internal combustion engine comprising a throttle adapted to regulate the flow of fuel from the carburetor to the engine, means biasing said throttle toward closed position, said throttle being movable into a plurality of open positions one of which provides a throttle opening for normal idle engine operation, and stop means associated with said throttle including a stationary member and a member movably connected to said throttle and responsive to the speed at which said throttle moves toward closed position from open positions thereof so as to automatically position itself relative to said throttle into a position to cooperate with said stationary member for stopping the movement of said throttle under the influence of said biasing means at a position providing a throttle opening in excess of said idle position thereof.

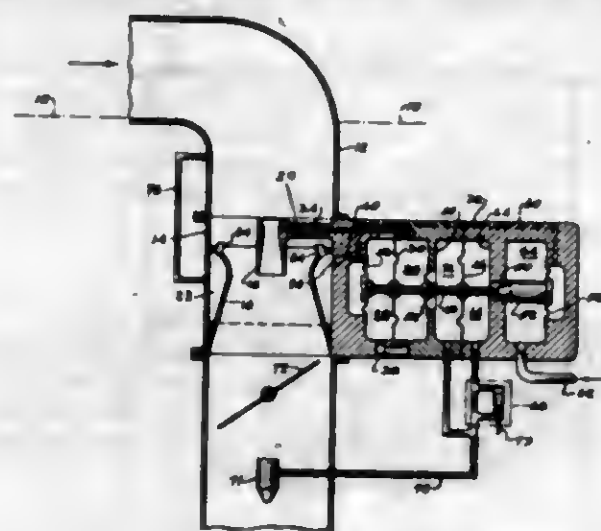
2,628,086

AIR FLOW MEASURING APPARATUS

Roswell E. Cutler, Paterson, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 30, 1950, Serial No. 187,796
4 Claims. (Cl. 261-69)

1. Mechanism for controlling the fuel-air ratio of the combustion mixture of an engine having an air intake duct; said mechanism comprising a Venturi tube disposed in said duct for air flow therethrough; a Pitot tube having an open end directed upstream into the air flow in said duct; a first passageway having one end communicating with the throat of said Venturi tube; a second passageway having one end communicating with said Pitot tube; means responsive to changes in the pressure differential between said first and second passageways for controlling the flow of fuel to said engine; and a third passageway having one end communicating with said duct so as to be subjected to the static air pressure in said duct and having its other end com-

municating with said second passageway, said

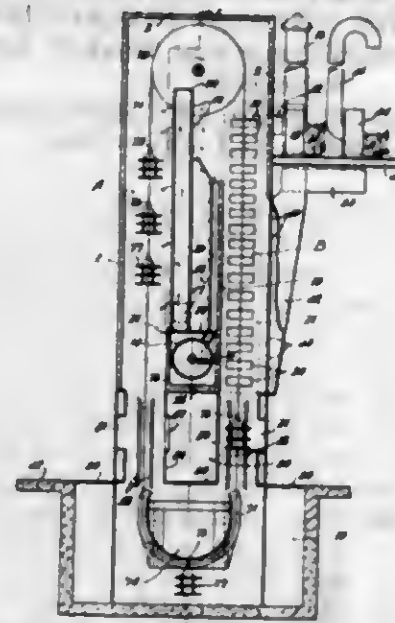


third passageway being closed to said first passageway between its said ends.

2,628,087

HEATING SYSTEM FOR VERTICAL INDUSTRIAL OVENS OF THE CONVEYER TYPE

Carl F. Mayer, Lakewood, Ohio
Application February 18, 1950, Serial No. 145,047
5 Claims. (Cl. 263-8)



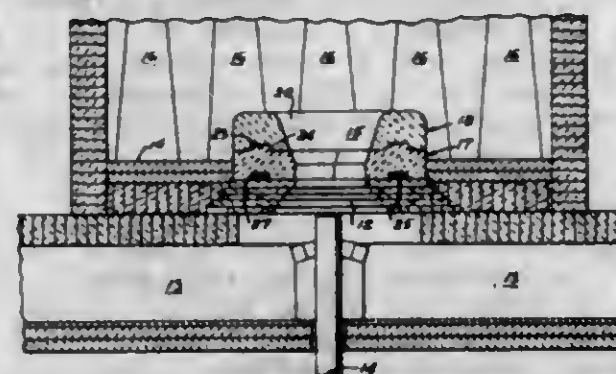
1. An oven comprising an elongated vertically arranged walled structure enclosing a heated chamber, a housing made up of insulated front, back and bottom walls and a top wall situated within said structure with said front and back wall in spaced relation to opposed vertical walls thereof and intermediate the top and bottom of the structure, a casing enclosing a heating chamber and situated within said housing, said casing being closed against communication with the housing and against direct supply communication with the heated chamber, fluid impelling means within the housing beyond one end of the casing and having an inlet communicating with said casing, a fluid distributor and a fluid return duct in the heated chamber, said fluid impelling means having an outlet, fluid conveying means through which communication is established between the outlet of said fluid impelling means and the distributor, said fluid conveying means being located entirely within the walled structure, a connection establishing communication between the fluid return duct and the casing enclosing the heating chamber, a hydrocarbon burner arranged to discharge its products of combustion into the casing for heating said chamber, means for operating the fluid impelling means, conveyor guide means within the walled structure, an endless conveyor sup-

ported by said guide means with vertical flights of the conveyor disposed on opposite sides of the aforesaid housing and extending substantially from top to bottom of the walled structure, and means for driving the conveyor, said fluid distributor having outlet means arranged to project the heated fluid generally across the path of movement of the conveyor substantially throughout the distance of the conveyor's travel through the heated chamber, opposed walls of said structure having, respectively, a loading opening and an unloading opening below the horizontal plane of said housing.

2,628,088

REFRACTORY PRODUCT

Leslie W. Austin, San Jose, and John D. Isaacs, Fontana, Calif.; said Isaacs assignor to Kaiser Steel Corporation, Oakland, Calif., a corporation of Nevada, and said Austin assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif., a corporation of Delaware
Application May 22, 1950, Serial No. 163,465
3 Claims. (Cl. 263-48)



1. The improvement in rosettes for the port opening of a soaking pit hearth comprising the combination of a plurality of refractory rings, placed one upon the other, each of said rings being comprised of a plurality of refractory segments, each one of which has tongue and groove portions, whereby the individual segments and the rings formed by said segments can be joined together as a removable unit, certain of said segments in one ring being further provided with vertical shafts, which are in alignment with similar shafts located in the ring immediately therebelow, and a metal annulus mounted in an annular groove in the underside portion of the lowermost refractory ring to which the lower extremities of the rods thrust through said aligned vertical shafts may be threadedly connected in such a manner that when the upper extremities of the tie rods have been affixed to a yoke, the said rosette may be hoisted into position within said soaking pit.

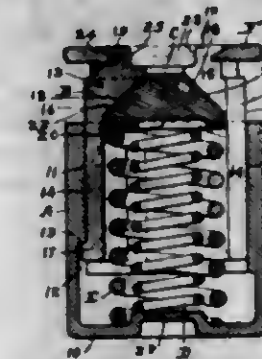
2,628,089

SHOCK ABSORBER FOR RAILWAY CAR TRUCKS

Lewis F. Gadbols, Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 5, 1949, Serial No. 125,682
5 Claims. (Cl. 267-9)

1. In a friction shock absorber, the combination with a casing; of a plurality of friction shoes slidably telescoped within the casing, said shoes projecting outwardly beyond the casing; a wedge in wedging engagement with the shoes near their outer ends, said shoes extending outwardly beyond the wedge in direction lengthwise of the mechanism; spring means within the casing bearing on said wedge and reacting between the

latter and said casing to yieldingly oppose movement of said wedge inwardly of the casing; and

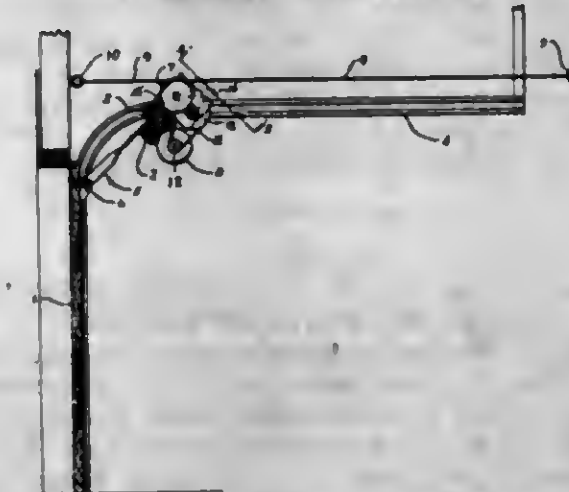


a ring surrounding said portions of said shoes which extend outwardly beyond said wedge, said shoes having rocking engagement with said ring.

2,628,090

ELECTRIC GARAGE DOOR OPERATOR

Willis James Verdier, Sidney, Ohio
Application June 17, 1949, Serial No. 99,720
3 Claims. (Cl. 268-59)



2. In a door operating mechanism, the combination of an articulated door, a grooved track on either side of said door having vertical portions, horizontal portions, and curved portions connecting said vertical and horizontal portions, rollers for guiding said door on said track, a transverse member having end rollers mounted in said track and moving solely in the horizontal portions of said track, means pivotally connecting the transverse member with the door, a motor, a drum and reduction gear means, said motor, drum and reduction gear means being rigidly mounted on said transverse member midway thereof whereby said motor, drum, and reduction gear means together with said cross member are pivotally mounted about the axis of said transverse member rollers, said motor, drum, and reduction gear means being supported and guided in their movements solely by said transverse member, cable means mounted above the horizontal portions of said track in parallel relation thereof, winding about said drum and extending on opposite sides of said drum, means attaching the ends of said cable means to fixed supports located above and centrally of said door and transverse member and at each end of the horizontal portion of the track.

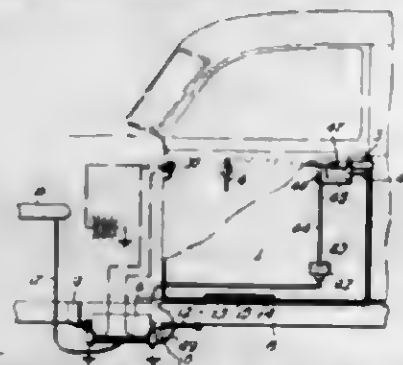
2,628,091

MOTOR VEHICLE DOOR SYSTEM

Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 14, 1947, Serial No. 754,672
6 Claims. (Cl. 268-66)

1. A door operator for motor vehicles, comprising a motor operatively connectible to the

vehicle door for moving the same to and from a closed position, control means for said motor comprising interlock means normally preventing energization of said motor for door opening operation thereof, a latch normally holding the door in its closed position, and a second motor connected to the latch for rendering the latter inoperative, said second motor having a moving part having a normal position operatively cor-

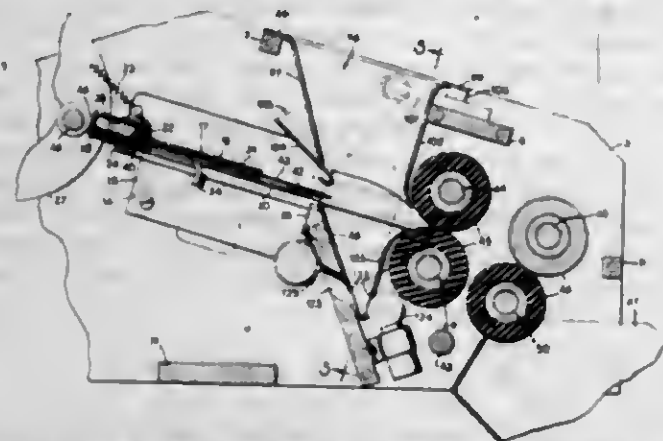


responding to the normal operative position of said latch and an operating displacement through and beyond an intermediate position operatively corresponding to the inoperative position of said latch, said part being adapted and arranged to actuate said interlock means by and upon displacement thereof beyond said intermediate position for rendering the door motor operative subsequent to the unlatching of the door.

2,628,092

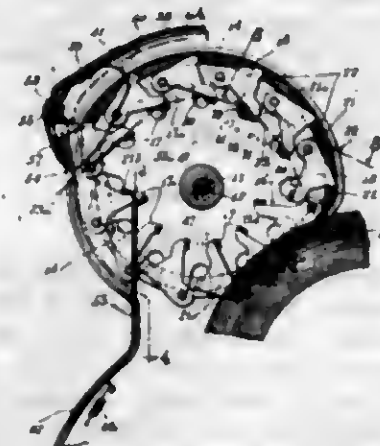
MECHANISM FOR FOLDING DOCUMENTS OVER THE EDGE OF CARDS

Gustav V. A. Malmros, Binghamton, and Edmund A. Barber, Jr., Johnson City, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 30, 1949, Serial No. 130,322
15 Claims. (Cl. 270-45)



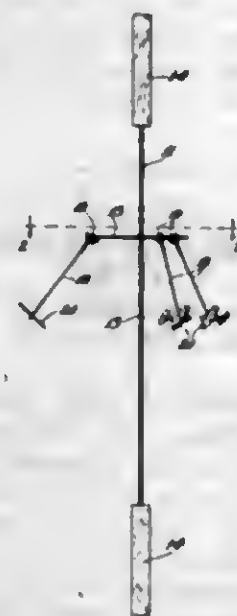
15. A mechanism for folding a document over the edge of a card comprising, in combination, feed rolls, means for driving said feed rolls, means for advancing a card edgewise to said feed rolls, said card advancing means comprising a carriage having parallel plates spaced from each other a distance slightly greater than the thickness of a card and between which the card may be arranged with its leading edge extending beyond said plates, said plates operating to hold said card loosely in place as it is moved toward said feed rolls and to prevent a buckling of the card on engagement with a document, means supporting said carriage for movement in a plane including the points of contact between said feed rolls, means for moving said carriage on said supporting means, and means adapted to support a document between said card advancing means and said feed roll so that it is engaged at one side by the leading edge of the card and moved with the latter between said feed rolls.

2,628,093
TAPE FEEDING AND DISPENSING
George H. Fritzing, West Orange, N. J., assignor of one-half to Harold G. Kendall, Brooklyn, N. Y.
Application December 12, 1947, Serial No. 791,402
17 Claims. (Cl. 271-2.4)



1. A mechanism for feeding pressure-sensitive tape from a tape supply, comprising a frame; an endless carrier movably mounted on said frame; a series of tape feed members arranged serially on said carrier for travelling movement in a common orbit, said feed members having respective surfaces moved successively into contact with the adhesive side of successive portions of the tape drawn from said supply, to engage the tape at 180 degrees or less from the adhesive side of the respective tape portions trailing therefrom, as said carrier is advanced; means movably mounting each of said feed members on said carrier for turning and advancing tape-releasing movement inwardly of said orbit to place the contacting surface thereof at more than 180 degrees from the adhesive side of the tape trailing therefrom and at an increased spacing from the next succeeding feed member whereby to peel the tape therefrom; and means at a station along said orbit for imparting said tape-releasing movement to said feed members in succession as the feed members are advanced past said station.

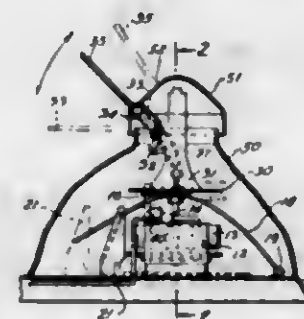
2,628,094
REVERSIBLE ROUNDABOUT TOY
Eugene Matrejek, Newark, N. J.
Application December 17, 1948, Serial No. 65,850
2 Claims. (Cl. 272-31)



1. A reversible roundabout toy comprising a spiral spindle, handles attached to each end of

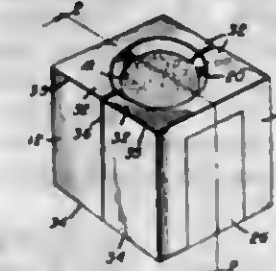
the spindle, a disc-runner on the spindle having a central orifice in engagement with the spirals of the spindle, a plurality of suspension rods, a loop formed on one end of each of the suspension rods and engaged with marginal holes in the disc-runner, a positioning member attached to the top of each rod adjacent to the loop and having arcuate arms extending upwardly therefrom and mounted for alternate radial engagement with either side of the runner upon reversal of the spindle whereby the inward pivoting of the suspension rods is restricted to an obtuse angle with respect to the runner.

2,628,095
TOY ROUNDABOUT
Ernest Fields, New York, N. Y.
Application September 10, 1947, Serial No. 773,269
4 Claims. (Cl. 272-31)



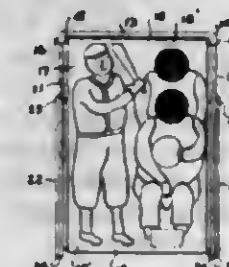
1. A propulsion and control unit for a tethered aircraft toy comprising drive means including a vertical drive shaft, a rod for supporting on one end a dummy aircraft, support means frictionally fitted upon said vertical drive shaft so as to provide for axial up and down displacement of the support means relative to the drive shaft and for rotation of the drive shaft in unison with the support means or relative thereto, bearing means rotatably supporting the rod and pivotally supported on the support means for rotational and up and down movement of the bearing means in unison with the rotational or up and down movement of the support means and for pivotal movement of the bearing means relative to the axis of the vertical drive shaft, the said bearing means supporting the rod at an intermediate point thereof and at an angle to the axis of the said drive shaft, a flexible member fixedly joining the end of the rod opposite to the dummy supporting end thereof to the said drive shaft for axial rotation of the rod in unison with the drive shaft, adjustment means for adjusting the axial position of the support means and the bearing means supported thereon relative to the drive shaft, the said adjustment means comprising a bracket pivotally mounted for up and down movement relative to the vertical drive shaft and slidably engaging the support means for axially displacing the latter on the drive shaft thereby varying the vertical distance between the pivot point of the bearing means and the point at which the flexible member is secured to the drive shaft and hence the angle of the rod relative to the drive shaft, and control means releasably engageable with the support means for arresting the same relative to the drive shaft or releasing the support means for rotation in unison with the drive shaft whereby the drive shaft upon arrest of the support means rotates the rod about its axis and upon release of the support means rotates the said support means, the bearing means supported thereon and the rod.

2,628,096
BILLIARD CUE CHALKING MEANS
Walter G. Bell, Cumberland, Md.
Application January 8, 1951, Serial No. 204,891
5 Claims. (Cl. 273-18)



1. Billiard cue chalking apparatus comprising a pair of complementary holder sections having registering recesses collectively comprising a chalk block receiving cavity, means to hold said sections together, and a chalk block in said cavity, said chalk block being elongated and substantially uniform in cross section, said sections having registering portions on opposite sides of said recesses and said portions being tapered toward one end of said cavity so that a cuneliform space is preserved between the sections when the chalk block is in place, said means being resilient and biasing said portions into engagement with said chalk block adjacent that end of the block disposed toward said end of the cavity.

2,628,097
PITCHER'S CONTROL PRACTICE TARGET
Chester J. Lecznar, Detroit, Mich.
Application December 23, 1949, Serial No. 134,698
2 Claims. (Cl. 273-26)

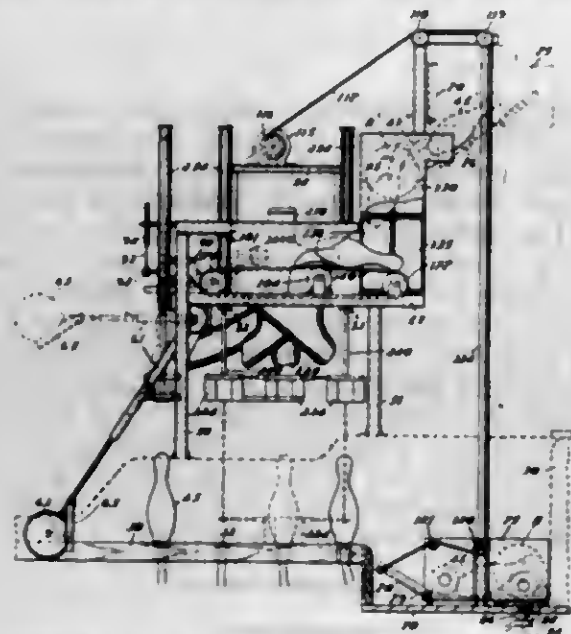


1. In a pitcher's target, an inverted U shaped tubular frame, a cross-bar adjacent its upper end and interconnecting the spaced legs thereof, a fabric target having transverse slotted portions at its upper and lower ends, said target being positioned within said frame with said bar supportably extending through its upper slotted portion, the lower opposed inner surfaces of said legs being longitudinally slotted, a second cross-bar adjacent the lower end of said frame supportably extending through the lower slotted portion of said target, with the ends of said cross-bar slidably positioned within the slots in said legs, and coiled springs within the lower ends of said legs adjacent the slots therein retainingly bearing down upon the respective ends of said lower rod.

2,628,098
AUTOMATIC PIN-SETTING MACHINE
Charles H. Bauerschmidt, Rochester, N. Y.
Application May 3, 1946, Serial No. 667,149
5 Claims. (Cl. 273-43)

1. In an automatic pin setting mechanism, the combination with an alley having a plurality of pin receiving spots, of a normally open switch mounted beneath each spot and adapted to be closed as long as a pin is on the spot, oscillatable means for sweeping pins off the spots, a plurality of trap doors, one for each pin of a set, means

for normally holding the trap doors closed, pin setting means associated with the trap-doors and positioned to receive the pins discharged from said trap-doors when the trap-doors are opened, said pin setting means being constructed to be operated upon receipt of pins to lower and position the pins on the alley, electrically actuated means associated with each trap door for releasing that trap door to discharge a pin into the pin setting means, means for actuating the sweep means to effect operative and return strokes thereof, means actuated by the sweep means in



its movement at a predetermined point in the operating stroke of the sweep means and before the sweep means strikes a pin to close partially a circuit to the corresponding release means through the switches under the spots on which the pins have been left standing after rolling of a ball, and means actuated by the sweep means in its movement after completion of the sweeping operation for completing those circuits to the release means which have previously been partially closed whereby pins corresponding to those left standing after rolling of the ball are discharged into the pin setting means.

2,628,099

GOLF CLUB

Howard Haines Murphy, Walpole, Mass.
Application June 3, 1949, Serial No. 97,007
5 Claims. (Cl. 273-77)



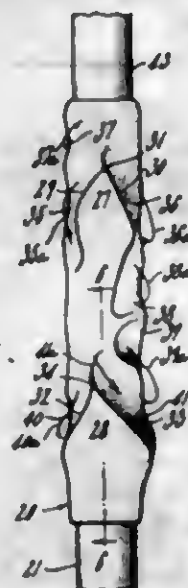
2. A golf club comprising a shaft; and a ball-striking head carried by said shaft at each end,

the striking faces of said ball-striking heads being of different pitch, said ball-striking heads extending in generally opposite directions from the axis of said shaft so as to resist torque.

2,628,100

GOLF GRIP DEVICE

Bayard Monroe Beebe, Little Silver, N. J.
Application August 1, 1952, Serial No. 302,169
6 Claims. (Cl. 273-81)



1. In a golf club having a shaft with a club head at one end and a handle portion adjacent the end remote from said head, the improvement which comprises a hand grip on said handle portion and having a plurality of finger-receiving grooves and a raised portion extending outwardly from the shaft in substantially the same direction as said club head, said raised portion having two lateral sides converging from a base toward the grip end of the club, said lateral sides being relatively widely separated at said base to provide a substantial thickness of material therebetween, whereby the thumb and forefinger may engage said lateral sides when the hand is operatively engaged with said hand grip and thereby be guided into a formation corresponding to said converging relation of said lateral sides.

2,628,101

ELECTRICAL GAME APPARATUS

James M. Prentice, Holyoke, Mass.
Application November 30, 1951, Serial No. 250,226
1 Claim. (Cl. 273-88)

Game apparatus comprising in combination, a game board construction including upper and lower panel means, an elongated slide and guide means carried by said panel means for back and forth sliding movements of said slide, a plurality of longitudinally spaced electrical contacts carried by one end of said slide, said upper panel provided with relatively spaced openings disposed whereby any one of said contacts may be located in alignment with and below any one of said openings, said upper panel provided with a slot and an end of said slide opposite to said one end provided with a manually engageable member extending upwardly through said slot for one player of the game to slide said slide back and forth, a plurality of electric bulb signals carried by said lower panels extending into openings provided in said upper panel, a source of energy, a flexible contact member for another player of the game connected to said source of energy for engaging a

contact of said slide through one of said openings, and connections connecting each of said con-



2,628,103

ATTACHMENT FOR SHUFFLEBOARD GAME BOARDS

Bacel E. Farmer, St. Helen, Mich.
Application July 8, 1950, Serial No. 172,745
5 Claims. (Cl. 273-126)

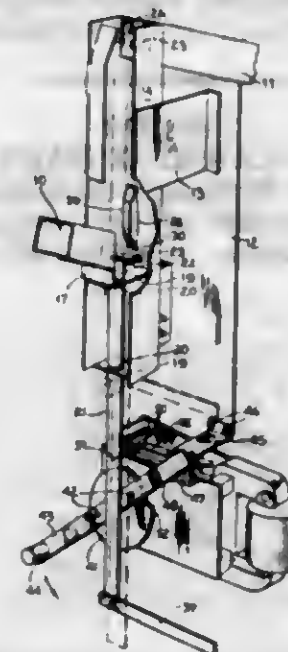


tacts of the slide and a signal with the source of energy.

2,628,102

ELECTRICALLY ACTUATED BALL LIFT FOR USE IN MARBLE PIN GAMES

Melvin J. Binks, Chicago, Ill., assignor to Republic Patent Corporation, Chicago, Ill., a corporation of Illinois
Application September 15, 1949, Serial No. 115,875
3 Claims. (Cl. 273-118)



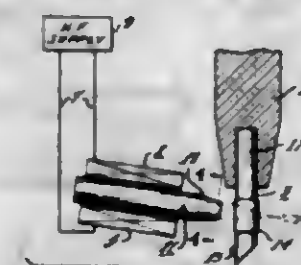
1. A mechanism for elevating balls from a return trough to a feed trough of a marble pin game comprising a tube having communication with the outlet end of the return trough and the inlet end of the feed trough, the feed trough being in a plane above that of the return trough, an elevating member movable longitudinally within the tube and having one end providing a ball seat adapted to receive a ball from the return trough, cam means for reciprocating said elevating member within said tube, electromagnetic means including a power circuit for actuating said cam, a pair of switch members connected in parallel in said circuit, one of said switch members being a ball-actuated starting switch disposed adjacent to the outlet of the return trough for engagement with a ball moving from said return trough onto said ball seat and adapted to be closed by said ball, said starting switch remaining closed until said ball is elevated out of engagement therewith by said elevating

member, the other of said switch members being a holding switch and having an extension adapted to be engaged by a hill of said cam subsequent to the closing of the said first-mentioned switch member by said ball, said holding switch remaining closed until the elevating member returns to starting position with respect to said return trough.

1. In combination with a shuffleboard having oppositely disposed channels depressed below the playing surface of the board and extending along each opposite longitudinal margin thereof, each channel being formed by a longitudinal side wall of said board and an adjacent parallel outer marginal upright member together with a channel base joining the two at said depressed level, longitudinal rails engaging the side walls of the board, respectively, each rail lying in part at least within the channel adjacent the side wall and positioning a resilient buffer strip along the longitudinal margin of said playing surface in elevated relation thereto, and expansible means extending from said rails into engagement with the adjacent marginal upright members whereby on expansion of said means the rails are held in firm engagement with the respective side walls of said board.

2,628,104

INDUCTION HEATING OF RECORDING STYLUS
Lawrence R. Shardlow, North Arlington, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1950, Serial No. 153,232
4 Claims. (Cl. 274-38)



1. Apparatus for recording sound vibrations upon a record with a heated stylus comprising, in combination, an electrically non-conducting stylus, an electrically conducting material fixed to said stylus intermediate the ends thereof, and a coil having a magnetically permeable core axially disposed therethrough, said coil and core being mounted with one end of said core disposed in closely spaced relation to said conducting material.

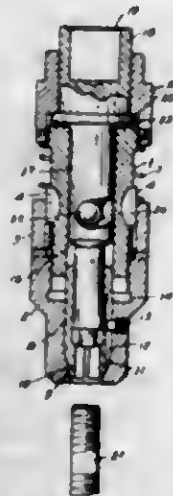
2,628,105

STUD DRIVER

Boyd A. McKean, Erie, Pa., assignor to Titan Tool Company, Fairview, Pa., a corporation of Pennsylvania
Application November 14, 1950, Serial No. 195,503
4 Claims. (Cl. 279-58)

1. A stud driver comprising a body, a clutch holder on the body, means for adjusting the

clutch holder lengthwise of the body to any one of a plurality of fixed positions, a clutch slidably and non-rotatably mounted in the holder, said clutch having interiorly threaded jaws and said holder and jaws having cam surfaces wedging the jaws together as the clutch is moved outward relative to the holder, stop means slidably carried in the body limiting the inward

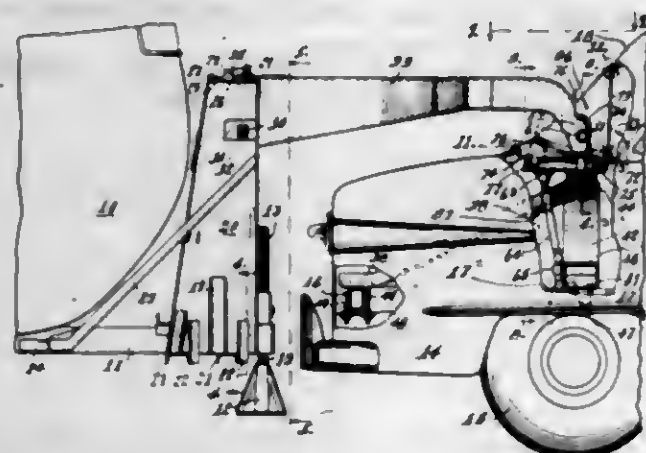


movement of a stud threaded in the jaws, a driving member having an angular lost motion connection with the body, said angular lost motion connection including cam means advancing and retracting the driving member relative to the body as the driving member is rotated in forward and reverse directions, and a part advanced and retracted with the driving member cooperating with the stop means to position the same.

2,628,106

TRAILER HITCH

Arthur J. Sturwald, Chicago, Ill.
Application July 16, 1949, Serial No. 105,097
15 Claims. (Cl. 280—33.05)

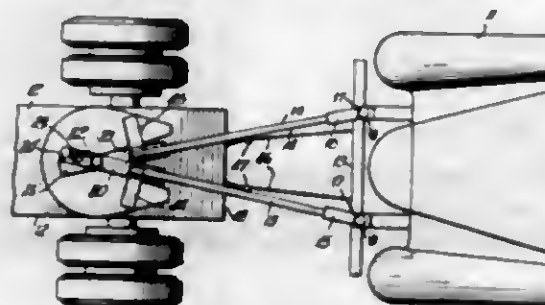


12. A fifth wheel type trailer hitch for use between a trailer and an automobile, which automobile includes a body, a rear axle, a rear seat, a horizontal shelf between the back of said rear seat and the body, said automobile body and the horizontal shelf and a plane, extending upwards from the shelf adjacent the rear seat to the upper side of said automobile body, bounding a window chamber, said trailer hitch comprising a first portion of a hitching connection mounted substantially in the region substantially above the rear axle of the automobile and within the window chamber of said automobile, and a second portion of the hitching connection being mounted on the trailer and adapted to enter the window chamber of said automobile and engage said first portion of the hitching connection.

2,628,107

TOW BAR

Paul J. Schlalret, Mount Vernon, Ohio
Application May 26, 1950, Serial No. 164,481
3 Claims. (Cl. 280—33.05)

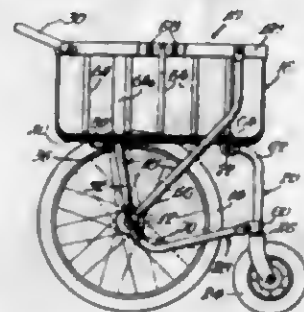


1. A towing device for coupling the front portion of a vehicle being towed and the rear portion of a towing vehicle wherein the towing vehicle is a tractor having a generally horizontal slotted trailer supporting plate on the rear body portion thereof, comprising a pair of bar members, means at one end of said bar members for connecting the same to the vehicle being towed in laterally spaced relation, pivotal means connecting said bar members to each other adjacent the other end, a headed pin extending below said pivotal connecting means, said headed pin being constructed to be positioned in pivotal relation in the slot in the trailer supporting plate of said tractor, latching means on the trailer supporting plate cooperating with the head on said pin for retaining said pin in said slot and abutment means extending on opposite sides of the pivotally connected ends of said bar members for engaging the upper surface of said trailer supporting plate.

2,628,108

COLLAPSIBLE CART

Carl M. Rutledge, Chicago, Ill.
Application November 16, 1951, Serial No. 256,630
3 Claims. (Cl. 280—41)



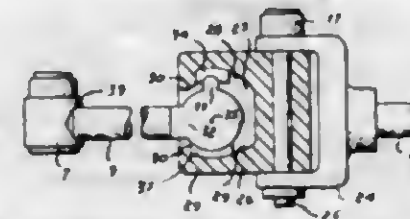
1. In a collapsible cart, in combination, an axle, a pair of wheels supported adjacent opposite ends of said axle, a load-carrying frame disposed above the axle, brace means pivotally connected by their one ends to said axle and connected by their other ends with said frame at spaced apart points, said brace means being connected adjacent the lower portion of said frame at one location and adjacent the upper portion of said frame at another location, the connection with the lower portion of said frame being disconnectable and the connection adjacent the upper portion of said frame being pivoted, whereby the end of the frame having the lower connection may, following disconnection, be swung downwardly between the wheels closely above the axle into a generally vertical position to place the cart in collapsed position, and latch means disposed beneath said frame, the brace means connected with the lower portion of the frame being selectively connectable with the frame at its under side by said latch means.

2,628,109

PIVOTAL JOINT FOR STEERING PARTS ON VEHICLES HAVING INDEPENDENT FRONT WHEEL SUSPENSION

Herbert T. Cottrell, Vancouver, British Columbia, Canada

Application January 15, 1951, Serial No. 206,082
5 Claims. (Cl. 280—95)

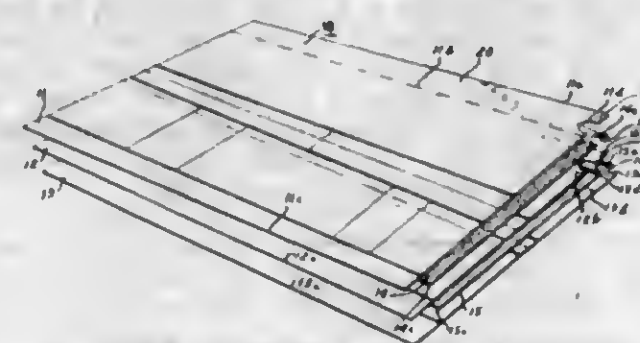


4. A pair of steering rods for a vehicle having independent front wheel suspension, said steering rods being adapted for connection between a manually operated arm of the vehicle steering mechanism and the steering arms of the front spindle bearings, each of said rods having a part connecting joint at each end, one of said joints comprising a member having a transverse opening with upper and lower arcuate guides and a stop integral with each guide, a head member adapted for connection to the steering rod, said head member having upper and lower sides, a slipper interposed between the upper side of the head and the upper arcuate guide, and a slipper interposed between the lower side of the head and the lower arcuate guide, said head being adapted to rock about one centre when the slipper of the upper guide is abutting its stop and to rock about another centre when the slipper of the lower guide is abutting its stop.

2,628,110

CARBON SET FORM

Frank J. Hauer, Dayton, Ohio
Application January 31, 1949, Serial No. 73,829
2 Claims. (Cl. 282—22)



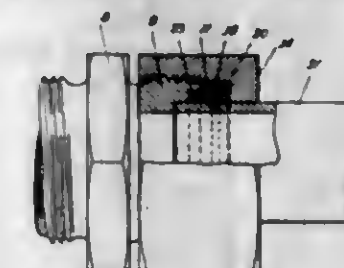
1. A form set including a plurality of superposed paper sheets with a carbon transfer sheet interleaved between each pair of adjacent paper sheets, means detachably securing said sheets together along one transverse edge thereof, each of the paper sheets having a line of weakness therein substantially parallel to the said transverse edge thereof thereby forming a removable stub portion at one end of each of the paper sheets, each of said paper sheets having a notch portion cut out from a longitudinal edge of the sheet inwardly thereof adjacent to said detachably secured edge portion, said notch being spaced from said edge portion a sufficient distance to provide a tab portion on each of the paper sheets between the said secured edge and said notch portion, the said notch portions and the said tab portions each lying in superposed relation, each of said carbon transfer sheets interleaved between the paper sheets having a notch portion cut out from a longitudinal edge of the sheet and

inwardly of the carbon transfer sheet, said notches in the transfer sheets being in superposed relationship to each other and disposed in the carbon transfer sheets in an offset position with respect to said notch portions in said paper sheets, and wherein tab portions of the paper sheets substantially cover the notch portions in said transfer sheets.

2,628,111

PIPE UNION

Harry Smallline, North Hollywood, Calif.
Application August 30, 1948, Serial No. 46,751
6 Claims. (Cl. 285—188)



1. In a coupling, a female coupling member having an outer portion separated from an inner annular portion by an annular channel, said outer portion having a first screw thread, said inner portion having a bore passing therethrough for encircling a cylindrical member and a plurality of transverse openings in said inner portion, an expandible locking ring arranged on the inner side of said inner annular portion for engaging the outer wall of said cylindrical member, a plurality of locking elements arranged on the outer side of said ring and projecting through said openings, the inner ends of said elements engaging said ring and the outer ends lying in said annular channel, and a male coupling member provided with a second screw thread adapted to engage said first screw thread, and provided with an annular outwardly flaring cam member projecting therefrom for insertion into said annular channel for engaging the outer sides of said locking elements whereby said locking elements are urged inwardly by said cam member to press said ring into locking engagement with such cylindrical member, when said male member threadably engages said female member.

2,628,112

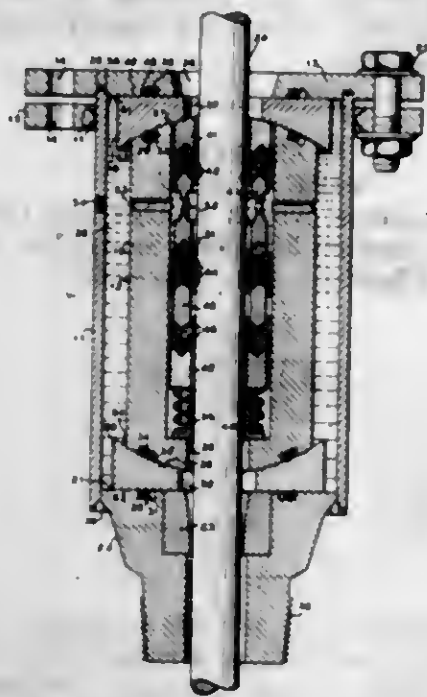
SELF-ALIGNED LUBRICATING STUFFING BOX

Glen G. Hebard, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 14, 1949, Serial No. 126,986
3 Claims. (Cl. 286—15)

1. A self-aligning mounting structure for the packing of a polish rod packing gland comprising, in combination, a housing adapted to be secured to an oil well pumping T, the interior of said housing defined by a cylindrical side wall and parallel top and bottom end walls normal to the axis of the cylindrical side wall, a top bearing ring having a top plane surface in slidable contact with said top end wall and a bottom spherical surface concave downward, a bottom bearing ring having a bottom plane surface in slidable contact with said bottom end wall and a top spherical surface concave upward, a hollow cylindrical floating packing gland body member disposed, in general, concentrically within the cylindrical side wall of said housing, said body member being open at its top end and having a bottom end wall, said housing, said top and bot-

tom bearing plates and said bottom end wall of said body member having openings concentric with their respective axes to accommodate a polish rod, the inner diameter of said hollow floating body member being sufficiently large to ac-

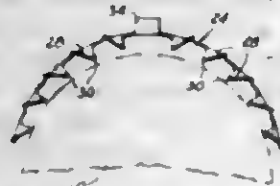


commodate annular packing rings adapted to surround said polish rod, and the surfaces of the top and bottom ends of said hollow cylindrical floating body member being spherical zones of the same radius as the spherical surfaces of the top and bottom bearing rings.

2,628,113

KEYING DEVICE

William F. Jones, Wethersfield, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application March 17, 1950, Serial No. 150,327
3 Claims. (Cl. 287-52)



1. A device for keying a member to a cylindrical shaft and comprising a resilient strip of flat material for disposition about the shaft between the shaft and member having along each side edge thereof a row of fingers projecting outward therefrom longitudinally of the shaft, the ends of said fingers being twisted substantially axially thereof to provide a plurality of sharp projections displaced from the plane of said strip and engageable in scoring relationship with said shaft when inserted between said shaft and member, and means on said strip interengageable with said member to lock said strip against rotatable movement relative thereto.

2,628,114

INDICATOR MOUNTING

Louis A. Paine, West Lafayette, and William J. Dorsam, Lafayette, Ind., assignors to Duncan Electric Manufacturing Company, Lafayette, Ind., a corporation of Illinois
Application May 8, 1946, Serial No. 668,262
2 Claims. (Cl. 287-53)

2. The combination of a shaft, an indicator and a hub mounted on the shaft, the hub being

rigid with the indicator and having an axial bore receiving the shaft and a cross bore communicating therewith and open on one side of the hub, a ball in the cross bore, and a screw generally

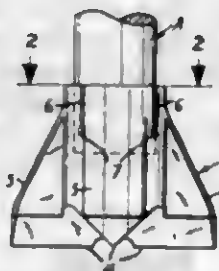


parallel with the shaft and engaging the outer side of the ball to press it inwardly against the shaft and lock the hub to the shaft, the surface of said shaft where the hub is mounted thereon being cylindrical.

2,628,115

ROTARY PERCUSSION DRILL ASSEMBLY

John B. Baker, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application July 12, 1947, Serial No. 760,643
7 Claims. (Cl. 287-126)



1. In a rotary percussion drill comprising a drill bit provided with an axial socket having a circumferential side wall with circumferentially spaced buttresses on the outer periphery thereof and a drill rod having a portion disposed in said socket, the improvement which consists in providing said wall between buttresses with longitudinal slits, one margin of each of which is offset inwardly into permanent interlocking engagement with the peripheral surface of the socket engaging portion of said rod.

2,628,116

SEAL

Charles C. Edgar, Lawrence, Kans.
Application May 25, 1949, Serial No. 95,207
2 Claims. (Cl. 292-315)



1. In a car seal, an elongated body formed of a strip of flexible frangible material, a head formed at one end of the body with a contracted neck portion, the opposite end of the body providing a wide keeper section having spaced openings elongated longitudinally of the body in longitudinal alignment, said keeper section having a line of openings extending transversely thereof presenting a weakened portion between the adjacent ends of said elongated openings, on which one end of the keeper section is folded inwardly overlying the weakened portion of the keeper section, said keeper section having a scored obliquely disposed line formed in the surface

thereof, intersecting one of said elongated openings, on which said keeper section is bent, said openings registering providing a keeper opening in which said head is positioned, securing the ends of the seal together.

2,628,117

LATCH OPERATING MECHANISM

David M. Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application December 22, 1948, Serial No. 66,700
2 Claims. (Cl. 292-338.3)



1. A latch operating mechanism comprising in combination, a face plate provided with an aperture, a radially notched control member disposed on one side of said plate, a locking dog pivoted to said plate for movement between two positions and engageable when in one of said positions with the notch of said control member, a friction spring engaging said face plate and movable with said locking dog to retain the same in either of said positions, a latch operating member disposed on the other side of said plate, said members both overlying said aperture and one of said members having a bearing boss extending through said aperture into engagement with the other member, the boss of said one member and the other member also having similar axially aligned apertures shaped to provide recesses and opposed keying surfaces, and a handle having a portion extending into said recesses to secure said handle and members together as a unit, the opposed keying surfaces of said apertures being adapted to receive a shank of another handle to key the same against rotation relative to said unit.

2,628,118

HYDRAULIC SHOCK ABSORBER

Charles W. Gunnels, Jr., Quincy, Mass.
Application August 28, 1946, Serial No. 693,459
5 Claims. (Cl. 293-73)



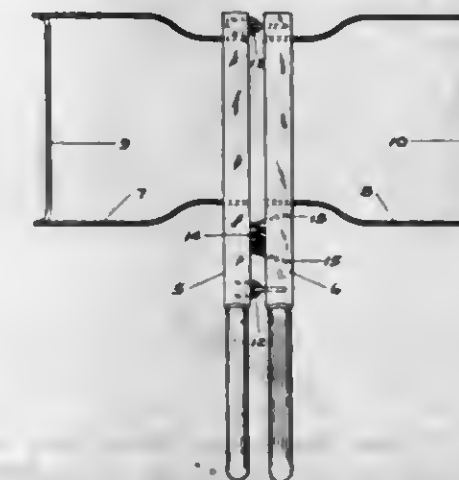
1. In combination, a vehicle having a bumper and hydraulic shock absorber units associated

therewith, said shock absorber units each comprising parallel hydraulic and guide cylinders which are connected together at confronting side walls along their entire lengths, pistons therein, piston rods between said pistons and bumper, a cushioning spring for said piston in said hydraulic cylinder, said piston in the hydraulic cylinder being formed with longitudinally extending restricted bypass ports, and said guide cylinders being ported through their side walls.

2,628,119

PAN AND POT LIFTER

Delmer R. Merton and Marguerite Merton, Oakland, Calif.
Application June 30, 1949, Serial No. 102,416
1 Claim. (Cl. 294-30)

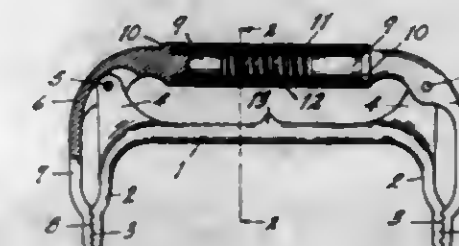


In combination with a receptacle having an outwardly protruding flange thereon, a lifter of the character described embodying in its construction, a pair of elongated handle members spaced in parallelism one from the other, a portion of the handle members being formed with round hand holds and another portion being substantially of a square configuration, means hingedly securing the handle members one to the other, a coil spring secured to one of the handle members and longitudinally positioned between the two at the square portions thereof and in parallelism therewith to provide a resilient pressure against the same from one to the other, and a pair of oppositely disposed substantially U-shaped jaws fixed to the handle members and extending outwardly therefrom, the outer extremities of the jaws being formed with hook shaped portions for engaging the flange of the receptacle.

2,628,120

LIFTING TONG

Herman L. Trilestram, Kalamazoo, Mich.
Application August 18, 1950, Serial No. 180,250
9 Claims. (Cl. 294-31)



3. Lifting tongs comprising, a U-shaped body having depending ends with outwardly facing jaws on the ends thereof, a generally L-shaped gripping member pivoted on each end of the base of said body, said gripping members having outer arms depending along the outer sides of

the depending ends of said body with inwardly facing jaws coacting with the jaws on said body, said gripping members having inner arms extending toward each other in vertically spaced relationship with the base of said body and thereabove, a deformable springable sleeve element extending between said inner arms and secured thereto to urge said jaws into gripping position, a coil spring filler positioned within said sleeve element between said inner arms, and a raised stop on the top of the base of said body limiting downward pivotal movement of said inner arms.

2,628,121
BUCKET

William M. Wood, Jonesville, Va.
Application May 26, 1950, Serial No. 164,430
1 Claim. (Cl. 294-53.5)

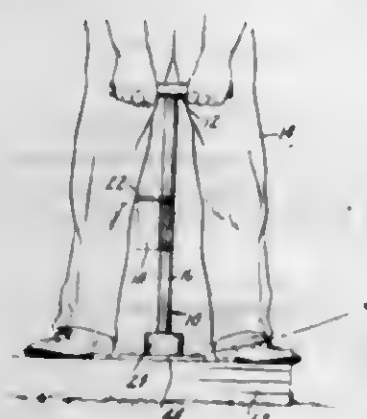


A device of the character described comprising a bucket having substantially cylindrical sides and a circular bottom, a yoke centrally and pivotally affixed to the sides, an elongated handle affixed centrally to said yoke, an upwardly extending lip formed integrally with the forward side of said bucket, and an elongated handle pivotally connected to the lower rearward end of said bucket, said bottom having a segmental portion at the forward side thereof having an upwardly and outwardly extending plane substantially parallel with said lip.

2,628,122

RAILWAY TIE PLATE LIFTER

Frank W. Collins and Walter L. Dietrich,
Windsor, Conn.
Application January 26, 1950, Serial No. 140,618
2 Claims. (Cl. 294-65.5)



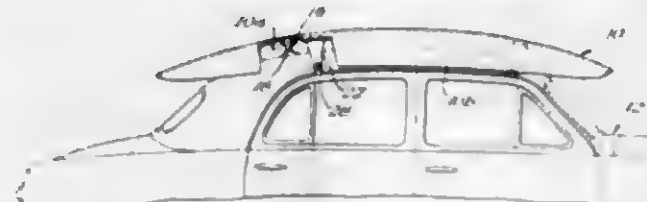
1. A railway tie plate lifter comprising in combination, a T-shaped member, the cross-piece thereof comprising a handle and the stem being tubular and depending therefrom in normal operative position, a cup-shaped electromagnet housing connected to the free end of said stem, an electromagnet coil and core supported within said housing, said housing and core being engageable with the top of a tie plate, a battery

box supported by said stem intermediately of the ends thereof, said battery box being offset to one side of said stem, a battery within said box, a manually operable switch supported by said handle, and circuit wires carried by said stem and handle and electrically interconnecting said switch and battery with the coil of said electromagnet.

2,628,123

TOP SHIELD FOR AUTOMOBILES

George Albert Lyon, Detroit, Mich.
Application December 22, 1948, Serial No. 66,765
4 Claims. (Cl. 296-95)

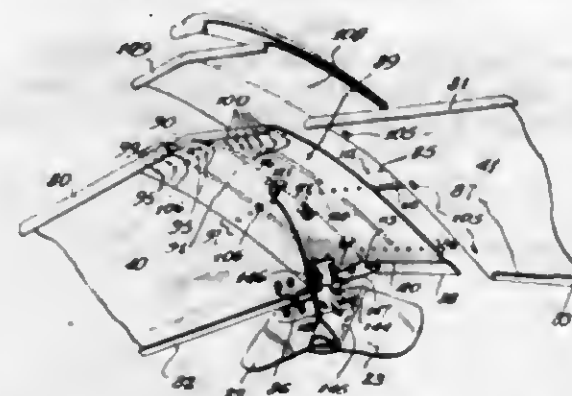


1. A shield which may be detachably secured to the top wall of an automobile body having rain gutters, said shield comprising a plurality of sections of sheet material of shell-like configuration having highly reflecting outer surfaces and being dimensioned to extend beyond the outer confines of the automobile body when joined edgewise, each of said sections having a flanged edge and the flanged edges of the sections being in side-by-side relation, a plurality of bifurcated posts spaced along the line of juncture of said flanged edges and with the flanges of the edges within the bifurcations of said posts, means securing said flanged edges in said bifurcations and the flanged edges thereby providing a reinforcing rib for said shield, a plurality of substantially rigid elongated members secured to the under side of said shield at points inwardly spaced from the marginal edges of the shield, the lower portions of said elongated members arranged to be disposed within the rain gutters of the top wall of the automobile, and means for securing said members within the gutter whereby said members and said posts maintain said shield in spaced relation to the top of the automobile.

2,628,124

VEHICLE WINDSHIELD SHADE

Richard E. Dieterich, Long Beach, Ind., assignor to Dieterich Products Corporation, Michigan City, Ind., a corporation of Illinois
Application August 19, 1949, Serial No. 111,152
6 Claims. (Cl. 296-95)



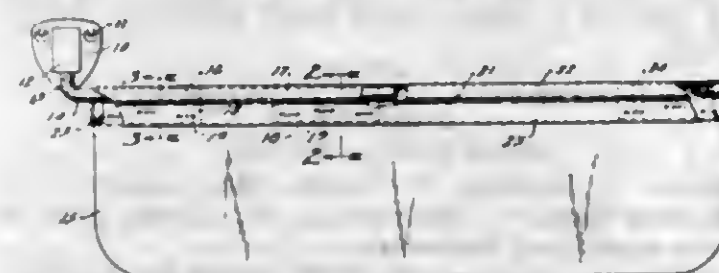
1. In a device of the character described and comprising a windshield shade adapted to be secured in shading relationship to a vehicle having a windshield with rain gutters alongside the windshield on opposite sides of the vehicle, a pair of panel members each having its outer end

adapted to be engaged within the respective gutters on opposite sides of the vehicle and secured thereto with the said panels in spaced relationship with said windshield, and having the inner ends juxtaposed, a plate member secured between the inner ends of the said panel members and coupling same together, said panel members each having a curled leading edge and having slots on its trailing edge adjacent the inner ends thereof, and said plate member being provided with a curled leading edge and being telescoped into the inner ends of each panel with its curled leading edge engaged in the curled leading edges of the panels, and its trailing edge engaged within the slots of the panels, and means holding the panels and plate member in assembly, said plate member having a single supporting fin secured thereto on the bottom thereof and extending towards the center of the windshield, said fin being generally triangular in formation with the base of the triangle secured to the plate member and the apex extending towards the windshield, and clamping means adjustably secured to the said fin and secured to the center of the windshield.

2,628,125

SUN VISOR

Clare S. Jacobs, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application May 9, 1951, Serial No. 225,389
1 Claim. (Cl. 296-97)



A vehicle sun visor comprising, in combination, a support rod, a pair of split tubular hinge elements mounted on said rod, said hinge elements having marginal portions extending lengthwise of the rod and projecting generally radially therefrom, said hinge elements being arranged oppositely such that the frictional wrapping actions thereof on said rod are opposed, a shield member secured to said hinge elements, the projecting portions thereof being fastened to opposite sides of said shield, and a shell member telescopically engaged throughout the length of said shield over said hinge elements and rod.

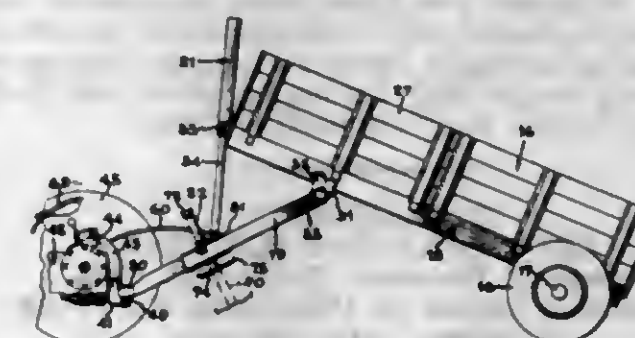
2,628,126

TWO-WHEEL DUMP TRAILER

James J. Black, Cincinnati, Ohio, assignor, by mesne assignments, to Trailmobile Inc., a corporation of Delaware
Application March 18, 1948, Serial No. 15,687
4 Claims. (Cl. 298-5)

1. A dump trailer adapted to be coupled to a towing vehicle comprising a trailer frame having road wheels at its rearward end, a coupling frame at the forward end of the trailer frame, the coupling frame having a forward extension which projects for a substantial extent beyond the forward end of the trailer frame and a rearward portion which extends a substantial distance rearwardly beneath the trailer frame, a universal joint element mounted upon the forward end of the coupling frame adapted to provide a draft connection with a cooperating uni-

versal joint element mounted on a towing vehicle, pivot bearings at the rearward end of the coupling frame pivotally connected to the trailer frame, the bearings being disposed beneath the trailer frame on a line which is located rearwardly from the forward end of the trailer frame and forwardly from said road wheels, the trailer frame being supported when in lowered position by engagement of its forward portion upon the rearward portion of the coupling frame, whereby the weight load of the forward portion of the trailer frame is imposed by the coupling frame upon the universal joint element with the rearward end supported by said road wheels, a cylinder rising vertically from the forward end of the trailer frame having its lower end pivotally

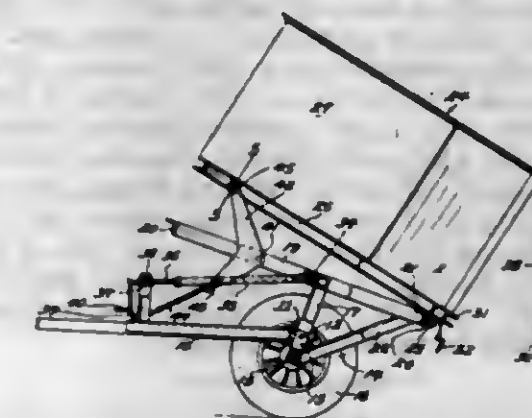


connected thereto, a piston slidable within said cylinder having its lower end pivotally connected to the coupling frame at a point intermediate the length of the coupling frame, and means for supplying fluid pressure to said cylinder whereby the piston and cylinder are effective to force apart the trailer frame and coupling frame causing angulation of the coupling frame about the universal joint element and pivot bearings in a direction to raise the forward end of the trailer frame and provide a dumping angle, the coupling frame by its forward extension providing a motion increasing lever which is effective to raise the trailer frame a distance greater than the stroke of the piston and thereby increase the dumping angle.

2,628,127

TILTABLE DUMP BED CONSTRUCTION FOR WAGONS AND TRAILER VEHICLES

Merlin E. Palsgrove, Columbus, and Maurice W. Palsgrove, Canal Winchester, Ohio
Application February 23, 1950, Serial No. 145,706
2 Claims. (Cl. 298-19)



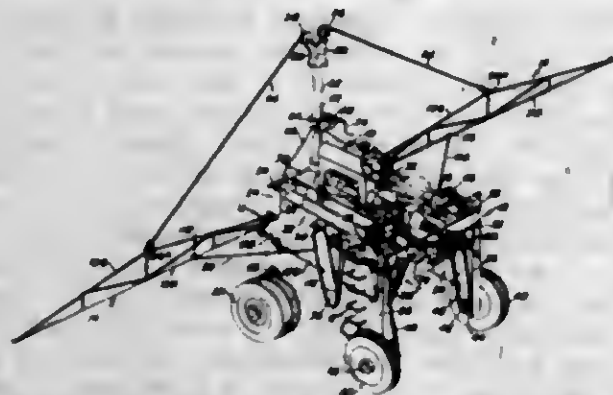
1. In a dump cart; a bed frame having means at one end thereof for attachment to a prime mover; a body-supporting frame including a flat portion disposed above said bed frame and a depending portion extending below said bed frame at the opposite end thereof; ground wheels rotatably carried by the depending portion of said body-supporting frame below said bed frame;

a body pivotally carried on said body-supporting frame for tilting movement in a vertical plane with respect to said body-supporting frame; means pivotally connecting the depending portion of said body-supporting frame between said ground wheels and said body with the opposite end of said bed frame and providing for rocking movement of said body-supporting frame, said body and said ground wheels in a vertical plane parallel to the longitudinal axis of said bed frame; manually operable, longitudinally extensible jack means pivotally connected between said bed frame and said body-supporting frame for imparting rocking movement to said body-supporting frame; and a bell crank lever pivotally connected intermediate its ends with said body-supporting frame and having one end connected with said bed frame and its opposite end slidably connected with said body, said bell crank lever being operable, upon rocking movement of said body-supporting frame, to pivot said body relative to said body-supporting frame.

2,628,128

CROP SPRAYING MACHINE

George M. Rhodeen, Canon City, Colo.

Application August 14, 1950, Serial No. 179,287
8 Claims. (Cl. 299-41)

1. A crop spraying machine comprising a tractor assembly having a steering mechanism, a power take-off and a rear axle, an elongated frame supporting the tractor assembly in an elevated position, a rear pair of wheels carried by the frame, means operatively connecting the rear wheels to the rear axle, a forward pair of wheels carried by the frame, means operatively connecting the forward wheels to the steering mechanism, the axes of rotation of said forward and rear wheels being considerably lower than the axis of said rear axle, a pump mounted on the frame and operatively connected to the power take-off, a pair of tanks mounted on and forming a unitary part of the frame and reinforcing and strengthening the frame, conduits leading from the pump to the tanks, a pair of spray booms, universal connections between said spray booms and said frame, means carried by the frame and connected to the booms for selectively raising and lowering the booms as a unit, means bracing the booms to the frame and retaining the booms at right angles to the frame, and further conduits connecting the outlet side of said pump to said spray booms.

2,628,129

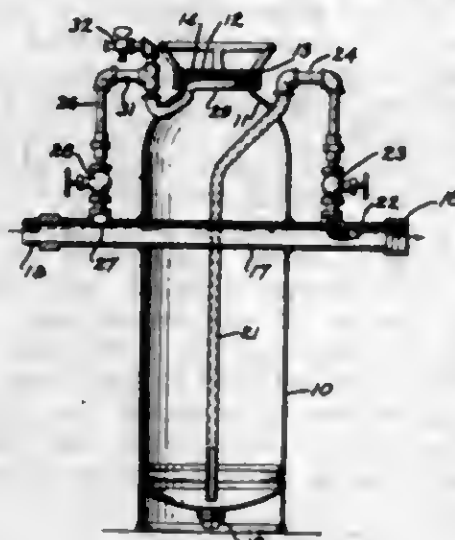
ADDITIVE PROPORTIONER FOR FLUID LINES

Horace Willmot Hosmer and Harry Elmer Chamberlain, Belmont, Calif.

Application September 18, 1950, Serial No. 185,458
2 Claims. (Cl. 299-84)

1. An additive proportioner for injecting metered quantities of chemical to a water line com-

prising, a tank, a closure for said tank at the extreme top thereof, a pipe in said water line extending through said tank below the top thereof, an intake line communicating with said pipe on the upstream side of said tank, said intake line terminating in said tank at the extreme top thereof adjacent said closure, said intake pipe having its maximum normal elevation higher

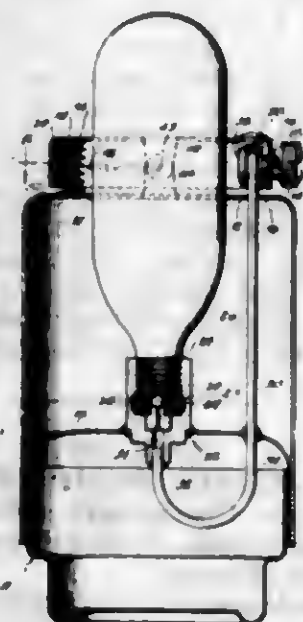


than said tank, a control valve in said intake line, a syphon tube having an inlet port at the bottom of said tank, said tube having its maximum normal elevation higher than said tank, said syphon tube being of a diameter substantially less than said pipe terminating in said pipe at the downstream side of said tank, and a terminal for said tube having a right angle bend pointing downstream.

2,628,130

SPRAYING DEVICE

Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application January 15, 1949, Serial No. 71,130
3 Claims. (Cl. 299-95)

1. In a spraying device, a cylinder-like holder for a bulb in inverted position with a portion of the bulb projecting from said holder, a pin to pierce the bulb when inserted in said holder, the bottom for said holder supporting said pin, a conduit leading downwardly from said piercing pin and having a return bend terminating in an upwardly directed end passing through said bottom to terminate above the top of said holder, a control valve for the terminal end of said conduit, a valve operating lever for said control

valve, said lever surrounding said portion of said bulb projecting from said holder, and a false bottom enclosing said return bend.

2,628,131

OIL BURNER

Herbert J. Haberstroh, Bristol, Conn.

Application April 14, 1950, Serial No. 155,969
1 Claim. (Cl. 299-133)

A fuel burner of the character described comprising a tubular barrel provided at its forward end with an apertured discharge tip, a valve rod axially and slidably supported within said barrel, said barrel being formed with a space around said rod, a perforated strainer engaged in said space and slidably receiving said rod, a shouldered, hollow cylindrical member having a forward wall element in closing engagement with the rear end of the barrel, said wall element slidably receiving said rod and having an aperture therethrough, means removably closing the open end of the hollow cylindrical member, an expansible bellows secured to said forward wall element rearwardly thereof and communicating with said aperture, the rear portion of said valve rod being secured to the end wall of the bellows said bellows having an inherent bias in a direction to close the valve, spring means biasing the valve rod rearwardly to establish a normal amount of fuel discharge clearance at the burner tip, and a fuel inlet conduit connected to said space, whereby fuel may pass through said strainer both forwardly and rearwardly in the barrel, said bellows being expansible to retract said rod responsive to increase in pressure of the fuel, whereby the fuel discharge opening at the burner tip is enlarged.

2,628,132

WHEEL CONSTRUCTION

Patrick A. Trapp, Butte, Mont.

Application July 29, 1947, Serial No. 764,409
15 Claims. (Cl. 301-9)

11. In a wheel construction the combination with an axle flange having rigid transversely extending studs on the outer face thereof eccentrically positioned upon said flange, said studs having lateral recesses therein, a wheel member having a central portion provided with openings for fitting upon said studs, an externally threaded bolt rotatably mounted axially upon the wheel

member at the outer side of the wheel member, an attaching member threaded upon said bolt at the outer side of the wheel member having openings therein for receiving the studs of the axle flange, and pivoted dogs upon said attaching member having a movement normal to the wheel plane for camming against the wheel member as the bolt is rotated to move the attaching member along the bolt for moving the dogs into and out of clamping engagement within the lateral recesses of said studs, said studs being tapered and the companion openings of the attaching member being likewise tapered for snug socketing therein.

2,628,133

HAND TOOL CONSTRUCTION

Louis A. Pazandak, Minneapolis, Minn.

Application July 27, 1950, Serial No. 176,127
1 Claim. (Cl. 306-21)

The combination with a working element and a handle including an elongated shank and a hook portion upon an end and in the plane of said elongated shank, of mechanism detachably securing said working element upon said elongated shank and hook portion comprising an L-shape retainer composed as a first arm adjacent said elongated shank and constituted as a first hollow element formed to snugly, removably receive said elongated shank and a second arm adjacent said hook portion and rigid with both said first arm and said working element and constituted as a second hollow element formed to snugly, removably receive said hook portion, said first hollow element being bounded at the side of said second hollow element opposite said working element by a first surface situated in facing relation to the second arm and at opposite sides of said first surface by spaced surfaces extending toward said second arm, said second hollow element being bounded at the front thereof by a second surface situated in facing relation to said first arm and at opposite sides of said second surface by spaced surfaces extending toward said first arm and at the rear thereof by a surface rigid with said working element, the first and second hollow elements being in open, contiguous relation to each other, said hook portion lying in said second hollow element in engaged relation with said second surface when said surface rigid with said working element when said elongated shank is situated in said first hollow element in engaged relation with said first surface, and means detachably fastening a part of said first arm spaced from said second arm upon a part of said elongated shank.

2,628,134

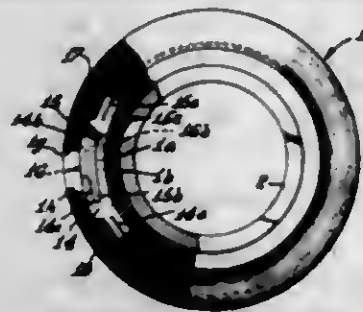
PROTECTIVE COLLAR FOR DRILL PIPES

William J. Williams and James W. E. Hanes, Ventura, Calif., assignors to Ventura Tool Company, Ventura, Calif., a corporation of California

Application July 17, 1948, Serial No. 39,294
20 Claims. (Cl. 308-4)

1. A protective collar of the class described, including a cylindrical collar member of yieldable material split substantially longitudinally at

one side, a split flexible metallic band extending circumferentially thereof, one end of the band having a hook extending beyond the coincident split portion of the collar and directed outwardly and toward said split portion, and a cam lever pivotally mounted near one end on the opposite end of the band on an axis parallel to the axis

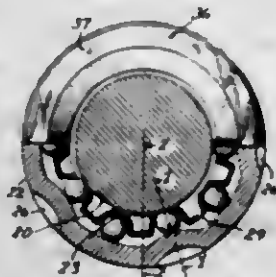


of the collar, the end of the short arm of the lever, when the band is tightened, being positioned in the hook, and the long arm of the lever being positioned against the outer side of the end portion of the band having the hook, said hook and lever lying completely inwardly of the outer wall of the collar member when said band is tightened.

2,628,135

ANTIFRICTION BEARING FOR LINEAR MOTION

Robert C. Magee, Manhasset, N. Y., assignor to John B. Thomson, Plandome, N. Y.
Application March 15, 1949, Serial No. 81,551
15 Claims. (Cl. 308-6)



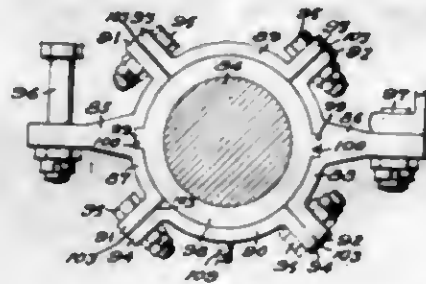
1. An anti-friction bearing for combination with a shaft to provide for relative linear movement between the bearing and shaft and having a plurality of longitudinally extending oval-shaped raceways, balls substantially filling said raceways and each of which is sometimes under load and sometimes a free ball, a sleeve, and a retainer within the sleeve in which said raceways are formed and which is slotted to permit the balls under load to have direct bearing contact with both the sleeve and the shaft, and characterized by this: that the external surface of the sleeve has indentations at spaced intervals about its periphery and corresponding raised portions on its internal surface, said raised portions constituting working tracks for the balls under load and registering respectively with the slots in the retainer.

2,628,136
BEARING

Walter F. Pittman, Kenly, N. C.
Application September 12, 1947, Serial No. 773,698
1 Claim. (Cl. 308-167)

A journal bearing for a crank shaft comprising, in combination, a crank shaft, a cylindrical thrust member surrounding said crank shaft and having

integrally formed therewith a pair of diametrically opposed outwardly extending dogs, a pair of horizontally extending brackets mounted at either side of said crank shaft, a side segment integrally formed at the inner end of each of said brackets and each bearing against said thrust member, each of said side segments having a

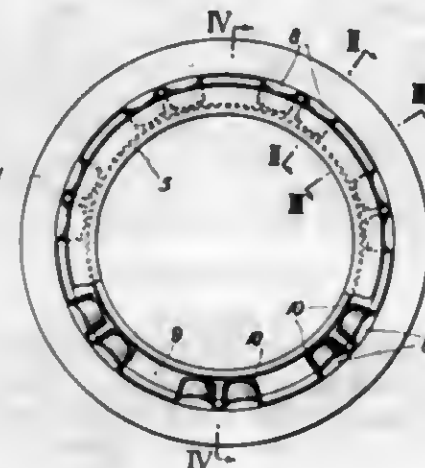


centrally disposed recess formed in its inner face for receiving therein one of said dogs, an upper segment bearing against said thrust member, a lower segment bearing against said thrust member, an outstanding lug formed at each end of each of said segments, and bolts adjustably connecting adjacent pairs of said lugs.

2,628,137

ROLLER BEARING

Dennis Ashton, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 6, 1951, Serial No. 204,719
In Great Britain September 2, 1950
6 Claims. (Cl. 308-214)

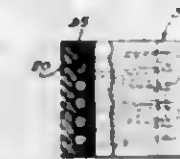


1. A tapered-roller bearing comprising, in combination, inner and outer race members having conical race surfaces; a single row of tapered rollers disposed between conical race surfaces of said inner and outer members with the axes of certain of the rollers inclined in one direction with respect to the axis of the bearing and with the axes of other rollers inclined in the opposite direction with respect to said axis; and a roller-spacing cage consisting of a ring of substantially triangular cross-section having the apex portion directed radially inwards towards the axis of the bearing, said ring being formed at opposite sides with spaced open pockets extending from one inclined side face to the outer periphery of the ring for receiving the individual rollers, the pockets at each side of the ring being closed at their rear ends by a sloping body wall at the other side of the ring, and all the pockets having overhanging parts adjacent their peripheral mouths adapted to rest upon the peripheries of the rollers whereby the cage is floatingly supported upon the rollers out of contact with the inner and outer bearing members.

2,628,138

POROUS CHAMBERED BEARING

Leland C. Blood, Plymouth, Mich., assignor to Michigan Powdered Metal Products Company, Northville, Mich., a corporation of Michigan
Application March 18, 1949, Serial No. 82,243
8 Claims. (Cl. 308-240)

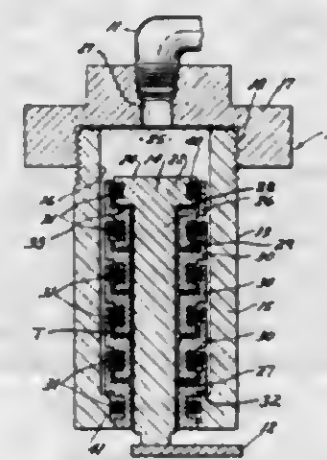


1. A bearing comprising a bearing body of porous sintered powdered metal having a bearing surface and a completely internal lubricant chamber wholly enclosed in a wall thereof and communicating with said bearing surface through the pores in said body, said chamber in cross-section being subdivided into a multiplicity of chamber portions spaced apart from one another in a direction co-extensive with said bearing surface, and reinforcing bridge portions of bearing body metal integral with said bearing body disposed in the intervals between said spaced chamber portions.

2,628,139

SEALED PRESSURE RESPONSIVE MECHANISM

Roger L. Gilliland, Euclid, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application August 29, 1950, Serial No. 182,024
11 Claims. (Cl. 309-1)



1. A pressure device of the type described comprising a housing having a chamber connected to a source of fluid under pressure, a piston movable within said chamber in response to changes in fluid pressure, a seal between said housing and piston comprising a plurality of sleeves, resilient O-rings disposed between said sleeves and between one of said sleeves and the housing and another of said sleeves and the piston, the O-rings being partially confined to restrict the bodily movement thereof, movement of said piston with respect to said housing stressing said O-rings essentially in shear.

2,628,140

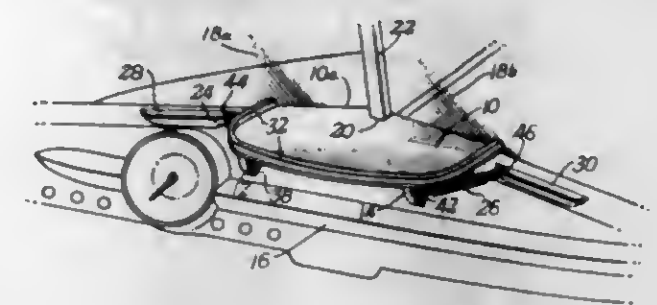
DETACHABLE SHELF FOR INSTRUMENT BOARDS OF AUTOMOBILES

Alan Bunce, Stamford, Conn.
Application November 1, 1949, Serial No. 124,740
4 Claims. (Cl. 311-21)

1. In a detachable shelf to be mounted upon the instrument board of an automobile, the top

667 O. G.-29

surface of said board curving downwardly from the windshield of said automobile, said automobile having windshield defroster vents positioned beneath its windshield, in combination, a shelf having its forward edge shaped to fit the portion of said windshield between said defroster vents and its under surface being shaped to fit the

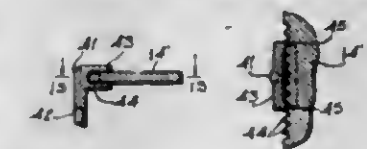


contour of said instrument board with the top surface thereof substantially horizontal, and a pair of springs connected to said shelf at points spaced from said forward edge and detachably connectable to said defroster vents, said springs resiliently urging said shelf against said windshield and against said instrument board.

2,628,141

ADJUSTABLE SHELF MOUNTING

Clemens Schener, Forest Hills, N. Y.
Application February 9, 1949, Serial No. 75,339
1 Claim. (Cl. 311-35)

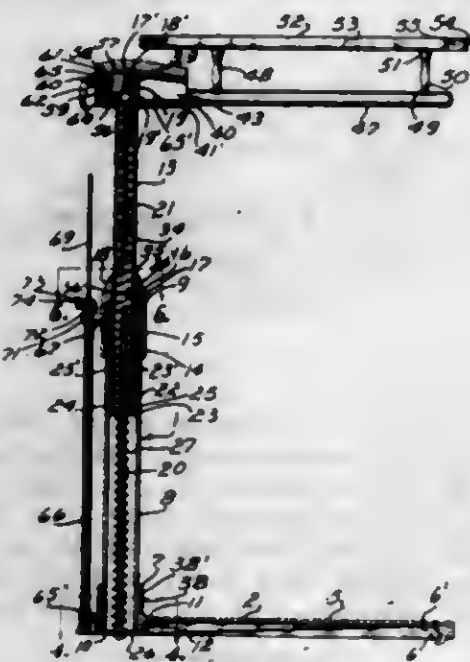


Means adjustably mounting a shelf between the top ends of a pair of upstanding legs, comprising elongated channel-shaped members mounted with the lengths extended horizontally on the top ends of the legs and with their open sides facing one another and engaged over the side edge portions of the shelf from opposite sides thereof, the legs being resiliently biased toward one another holding said channel-shaped members in position on the shelf, the shelf having horizontally extended V-shaped notches along its edge portions engaged by said channel-shaped members, and spaced horizontal V-shaped projections formed within said channel-shaped members and engaged with spaced pairs of said V-shaped notches retaining the shelf against movement relative to said channel-shaped members in a direction parallel to the length of said channel-shaped members, so constructed and arranged that the legs can be pulled apart disengaging said projections from said notches freeing the shelf to be slid to the desired adjusted position relative to said channel-shaped members and aligning said projections with other pairs of said notches, said channel-shaped members having top and bottom portions which extend along the top and bottom faces of the shelf and which extend beyond the inner ends of said projections so that when said projections are disengaged from said notches the side edge portions of the shelf will still be located between said top and bottom portions of said channel-shaped members for guiding horizontal sliding movements of the shelf relative to said channel-shaped members.

2,628,142

**TELESCOPING SUPPORT FOR A TRAY
HAVING A TILTABLE HEAD**

Lena Emma Dubach, Kansas City, Mo.
Application February 3, 1950, Serial No. 142,239
1 Claim. (Cl. 311-39)



A support of the character described including a horizontally and flatly disposed base having a cross arm and a longitudinal arm extending from the midpoint of the cross arm to provide for stability in three directions and having a tubular boss projecting vertically substantially from the intersecting point of said arms and open at its upper and lower ends, a tubular standard having a closed lower end snugly engaged within the tubular boss and extending upwardly from said base, said closed end having a relatively small vent opening communicating with atmosphere through the lower open end of the boss, fastening devices extending through the tubular boss and engaging the tubular standard to anchor the standard from rotation within the tubular boss and to secure said standard to the base, a collar having a skirt portion sleeved over the upper end of the tubular standard and having a guide portion provided with an axial bore of smaller diameter than the inner diameter of the tubular standard, a fastening device extending through said skirt portion and engaging the tubular standard to fix the collar rigidly to the standard, a tubular extension member slidable within the bore of the collar, said tubular extension member having a longitudinal groove extending along the length thereof, a key fixed in the bore of the guide portion of the collar and engaging in the groove to prevent turning of the tubular extension member within the tubular standard, upper and lower spaced apart rings encircling the lower end of the tubular extension member and fixed thereto for sliding contact with the tubular standard, the upper of said rings forming a stop with said guide portion and the lower ring forming a sliding guide within the tubular standard for cooperation with the guide portion of the collar to maintain coaxial relation of the tubular extension with respect to the tubular standard, said upper end of the tubular extension member being closed, a coil spring contained within the tubular standard and tubular extension member and having one end bearing on the closed end of the tubular standard and having its other end bearing constantly against the closed end of the tubular extension member to normally effect projection of the tubular extension member, a rod

carried by said closed bottom of the tubular standard and extending upwardly within the coil spring to form a concentric guide for the lower end of the spring and to keep the spring out of contact with the lower end of the tubular extension member when the tubular extension member is moved downwardly into the tubular standard against action of the spring, and a locking member having a threaded shank within a threaded opening in the skirt portion of the collar and having an end projecting through a registering opening in the standard to engage the tubular extension member for retaining the tubular extension member in an adjusted position relatively to the tubular standard.

2,628,143

CENTER EXTENSION SERVING TABLE

Leopold Stickley, Fayetteville, N. Y.
Application November 19, 1949, Serial No. 128,359
1 Claim. (Cl. 311-42)

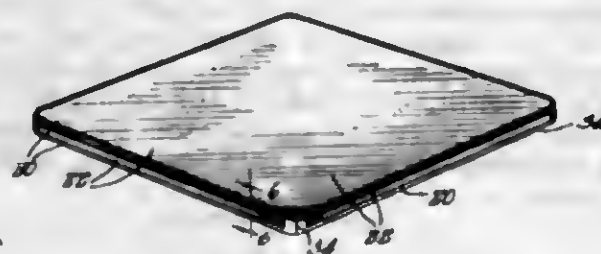


A portable serving table comprising a rectangular frame supported by legs, a cross member mounted centrally in the frame and extending transversely thereof, a pair of table top supporting rails slidably mounted in each end of said frame and said cross member and extending to the opposite end of the frame, a top section secured to each pair of said rails, and said top sections abutting at the center of the frame, each pair of rails and the top section carried thereby being movable outwardly from the ends of said frame to form a recess substantially commensurate with the top area of the frame.

2,628,144

LAMINATE CONSTRUCTION MATERIAL

Fred R. Loetscher, Dubuque, Iowa, assignor to
Farley & Loetscher Mfg. Co., Dubuque, Iowa,
a corporation of Iowa
Application January 5, 1949, Serial No. 69,264
1 Claim. (Cl. 311-106)

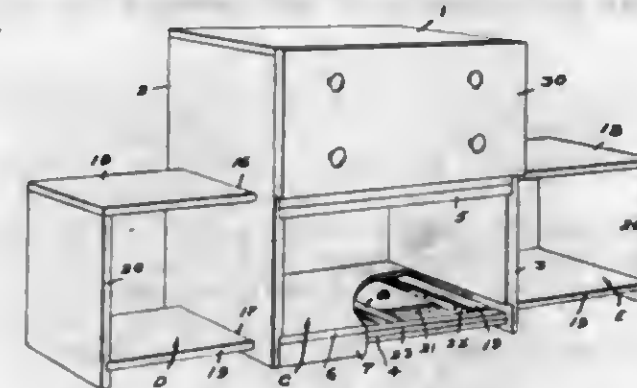


An article comprising a sheet metal base having a flat portion, a sheet filled thermosetting resin laminate bonded throughout its entire area to said flat portion, a depending edge on said flat portion, sheet filled thermosetting resin laminate bonded to said edge, and a portion of said metal base being exposed at the junction of said flat portion and said edge.

2,628,145

EXPANSIBLE CABINET

Edward J. Slattery, Montgomery County, Md.
Application November 28, 1947, Serial No. 788,766
1 Claim. (Cl. 312-205)



In a cabinet, the combination of a pair of side walls, each wall having an upper horizontal slot and a lower horizontal slot; top and bottom walls connecting said side walls at their ends; a rear wall connecting said side walls at their rear edges; a front panel connecting the lower ends of the front edges of said side walls; a pair of struts mounted on said bottom wall, connecting said side walls, and disposed adjacent said rear wall and said front panel, respectively, each of said struts having a track; a shelf mounted on said struts and said front panel and connecting said side walls, said bottom wall, said struts and said shelf comprehending a compartment to which access is provided by the lower horizontal slots of the side walls; a cleat mounted between said bottom wall and said shelf midway between said side walls and connecting said struts thereby dividing said compartment into two equal portions; an intermediate panel connecting said side walls, between said top wall and said shelf and extending from said rear wall to the forward edges of said side walls, said upper horizontal slots of the side walls being disposed immediately above said intermediate panel; a pair of struts mounted on said intermediate panel, connecting said side walls and disposed adjacent said rear wall and the front edge of said intermediate panel, respectively, each of said struts on said intermediate panel having a track; a pair of laterally-movable lower shelves received through said lower horizontal slots of the side walls and provided with means adapted to support said lower shelves on the tracks on the struts on the bottom wall, for movement into and out of the two portions of said compartment, respectively; a pair of laterally-movable upper shelves received through said upper horizontal slots of the side walls and provided with means adapted to support said upper shelves on the tracks on the struts on the intermediate panel; and a pair of end walls connecting the outer ends of said lower and upper shelves.

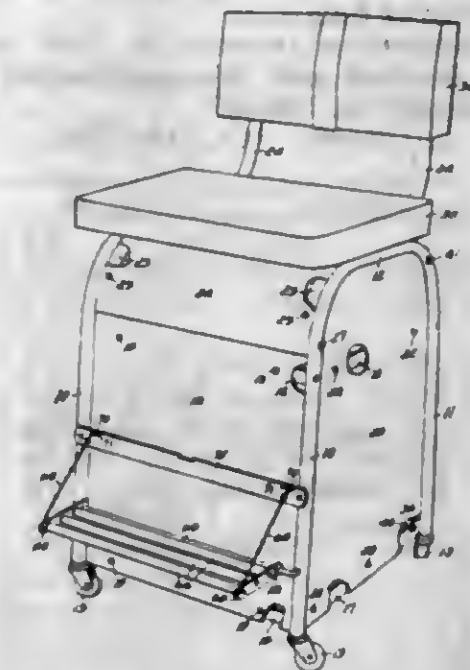
2,628,146

KITCHEN UTILITY STOOL

Stanley L. De Rennaux, Clayton, Mo.
Application August 28, 1950, Serial No. 181,717
2 Claims. (Cl. 312-235)

1. In a kitchen utility stool structure, a housing including a pair of inverted U-shaped tubular side frame members constituting four legs of the housing, means connecting the side frame members, front and side panels carried by the frame members, a hinge pin carried by the lower rear corners of the housing, a pair of tubular back wall side frame members having inwardly pro-

jecting lower ends adapted to serve as supports for a waste receptacle, a panel carried by the latter frame members to form a back wall for the housing, a pair of tubular seat supporting mem-

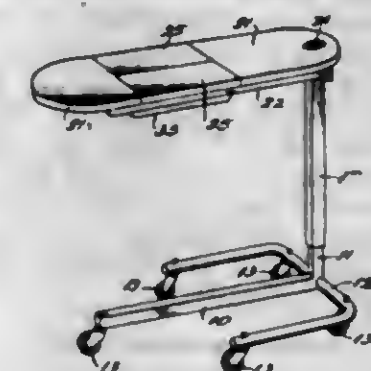


bers having downwardly curved front ends and upwardly curved rear ends, a hinge pin connecting the U-shaped frame members and to which the downwardly curved front ends of the seat frame members are hingedly connected.

2,628,147

BEDSIDE TABLE STRUCTURE

Harry M. Berner, Chicago, Ill., assignor to Amer-
ican Hospital Supply Corporation, Evanston,
Ill., a corporation of Illinois
Application October 22, 1948, Serial No. 56,032
3 Claims. (Cl. 312-246)



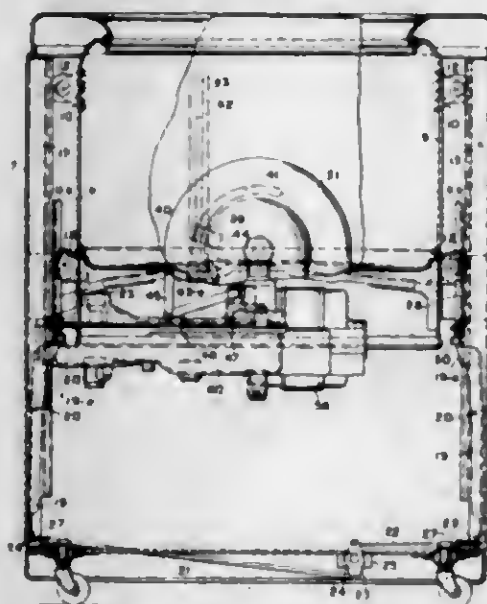
2. In a bedside table structure, a support, a table top extending laterally therefrom, said top having a liftable table section therein extending inwardly from an edge of said table, a receptacle below said table and suspended therefrom beneath said liftable table section, said liftable table section being pivotally mounted below the upper surface of said table for swinging to rearwardly tilted positions to expose portions of said receptacle by means of pivot pins, and plates fixed to said table top and receiving said pivot pins and having depending portions providing stops to limit the rearward tilting of the table section, said stops being below the surface of said table and in front of said pivot pins, the pivotal axis of said separate table portion being spaced from the rear edge thereof and substantially parallel thereto, whereby said separate portion extends downwardly into said receptacle when said separate portion is in its fully open position resting against said stops.

2,628,148
LOCKING DEVICE FOR RETRACTABLE TUB WASHERS

Frank Breckenridge, Newton, Iowa, assignor to Automatic Washer Company, Newton, Iowa, a corporation of Delaware

Original application October 19, 1948, Serial No. 55,371. Divided and this application October 6, 1951, Serial No. 250,165

10 Claims. (Cl. 312-306)



10. In a washing machine; a cabinet, a tub in said cabinet guided for vertical movement therein, a bracket on each side of the tub, a lever pivoted inside the cabinet on each side and each having an inwardly offset head on its upper end adapted for engaging over the upper ends of said brackets for retaining the tub in its lower position, locking lugs upstanding from the upper ends of said offset heads adapted for engagement with the lower ends of said brackets when the tub is in its upper position, and curved springs on the lower ends of said brackets on the insides thereof, each of said springs comprising a lower horizontal part forming a continuation of the lowermost end surface of the associated of said brackets, said springs being adapted for flexing under load for causing said brackets to engage said lugs for preventing movement of said levers to a position to release said tub, and resilient means connected between the cabinet and tub substantially counterbalancing the weight of said tub when the same is unloaded.

2,628,149
MULTIPLE-POINT MEASURING INSTRUMENT

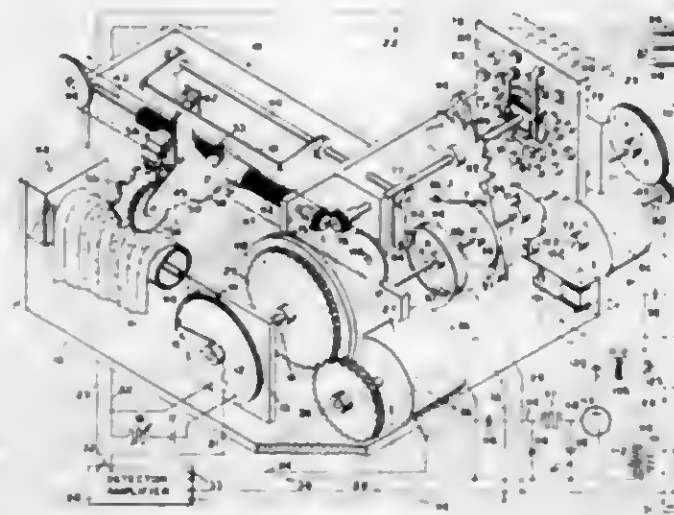
Clinton A. Blakeslee, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application August 17, 1948, Serial No. 44,625

8 Claims. (Cl. 346-32)

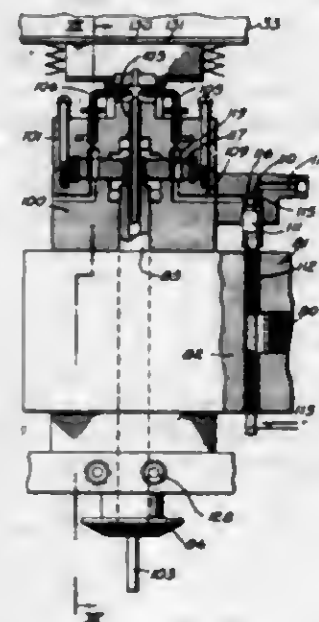
1. In a multiple-point measuring instrument, a balanceable electrical network connectible successively to a plurality of sensitive members respectively associated with sources of magnitudes to be measured, means responsive to unbalance of said network, motor means controlled by said responsive means for balancing said network, exhibiting means for providing indications of said magnitudes to a common set of ordinates upon a common scale, switching means for connecting said network successively to said sensitive members, connections between said motor means and said exhibiting means whereby the latter is positioned by said motor means with respect to said scale in correspondence with the

magnitude under measurement, a second motor means for intermittently actuating said switching means, circuit-controlling means intermittently actuated by said second motor means, and relay means having connections to said means responsive to unbalance of said network for actu-



ation of said relay when said network is unbalanced, said relay having contacts connected to said circuit-controlling means and to said second motor means for modifying the operation of the latter when said circuit controlling means and said relay means are concurrently actuated.

2,628,150
PICTORIAL REPRESENTATION REPRODUCING HEAD
Norman R. Gunderson, Pasadena, Calif.
Application October 9, 1946, Serial No. 702,174
11 Claims. (Cl. 346-75)



1. A reproducing head adapted for use in the reproduction of pictorial representations, comprising: a movable coil in a magnetic field, said coil being permitted minute movements responsive to electric signals flowing therethrough; an air conduit; means for supplying air under pressure to said conduit; a nozzle provided with a fixed opening directed into the air stream from said air conduit; an ink conduit communicating the nozzle with a source of ink; an enlarged chamber formed in said head; a third conduit communicating said source of ink with said enlarged chamber; and a piston in the enlarged chamber, said piston being operably connected to said movable coil.

CHEMICAL

2,628,151
PROCESS FOR SIMULTANEOUSLY STABILIZING AND APPLYING A VAT DYE TO TEXTILE MATERIAL COMPRISING REGENERATED CELLULOSE

Leslie L. Walmsley, Ridley Park, and Raymond E. Smith, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1949,

Serial No. 129,498

8 Claims. (Cl. 8-18)

1. A method of stabilizing textile materials predominantly of regenerated cellulose against progressive dimensional shrinkage under repeated washings and against normal pulling out during final finishing operations performed subsequently to the stabilization and simultaneously applying color to the textile which comprises wetting the fibers of the material with a fluid aqueous medium having a pH between 1.2 and 6.5 and containing a water-insoluble alkali-soluble cellulose ether, a dispersed vat pigment and formaldehyde, drying the textile material in the absence of contact pressure, heating the dried textile material in the absence of contact pressure to cure the formaldehyde, treating the textile material, after said heating step, with an aqueous alkaline solution to reduce the vat pigment to the soluble leuco vat on the textile material, and then treating the textile material with an aqueous solution of a mild oxidizing agent to regenerate the pigment on the textile material.

operable therewith to cause formation of a hard and smooth plaster surface at the impression-cast interface.

2,628,154
METHOD OF RECOVERING CHROMATES AND VANADATES FROM AQUEOUS SOLUTION

Tom S. Perrin and Robert G. Banner, Painesville, Ohio, assignors to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application April 28, 1950,

Serial No. 158,918

6 Claims. (Cl. 23-19)

1. In the method of recovering vanadates from a precipitate containing lead vanadate by decomposing said precipitate with sulfuric acid and recovering the vanadium values of such precipitate as a salt of hexametavanadic acid, the improvement which consists essentially in leaching said precipitate with sulfuric acid of a concentration substantially within the range of 34.5%-42.5% and at a temperature substantially within the range of 25°-70° C., to convert said lead vanadate to vanadic acid and precipitate lead sulfate, separating the solution of vanadic acid from the lead sulfate, adjusting the pH of the solution to a point within the range of 1-3 with a base selected from the group consisting of sodium and ammonium bases, and heating the solution to a temperature within the range of 80° C. to the boiling point of the solution to precipitate a salt of hexametavanadic acid.

2,628,152
PROCESS OF DYEING MODIFIED POLYACRYLONITRILE STAPLE FABRIC

Paul Louis Meunier, Wilmington, Del., and William Wygand, Jr., Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 9, 1950,

Serial No. 184,106

5 Claims. (Cl. 8-55)

1. A process for dyeing modified polyacrylonitrile staple fabric, which comprises treating said fabric in rope form with an aqueous solution of an acid dye in the presence of salicylic acid.

2,628,153
FLUORIDE-CONTAINING IMPRESSION MATERIALS

Stanley E. Noyes and Edwin H. Lochridge, Glendale, Calif., assignors to Dental Perfection Company, Glendale, Calif., a corporation of California

No Drawing. Application April 7, 1952,

Serial No. 281,025

12 Claims. (Cl. 18-47)

1. A dental impression composition comprising a gel-forming component of the group consisting of a water-soluble alginate, a gellable pectin material and carboxy methyl cellulose, a metallic salt component reactive with said gel-forming component in solution to form an elastic gel impression against which a plaster casting material may be poured, and an alkali metal fluoride uniformly distributed within the composition and

2,628,155
METHOD FOR THE RECOVERY OF SPENT LIQUORS FROM THE COOKING OF CELLULOSE FROM RAW MATERIAL CONTAINING SILICA

Bengt Herman Emanuel Gruen, Stockholm, Sweden

No Drawing. Application February 1, 1949, Serial No. 74,041. In Sweden December 20, 1948

5 Claims. (Cl. 23-46)

1. In a process for the recovery of alkali metal values from silica-containing waste sulfate liquor involving the evaporation of such liquor, the steps of removing dissolved silica from the liquor prior to said evaporation to avoid silica deposition during said evaporation which comprise adding lime to the liquor, agitating the mixture, and separating the resulting precipitate from the liquor, the period of time between the addition of the lime and the separation of the precipitate being limited to minimize precipitation of organic matter with the silica.

2,628,156
OPTICALLY GLASS-LIKE MATERIAL

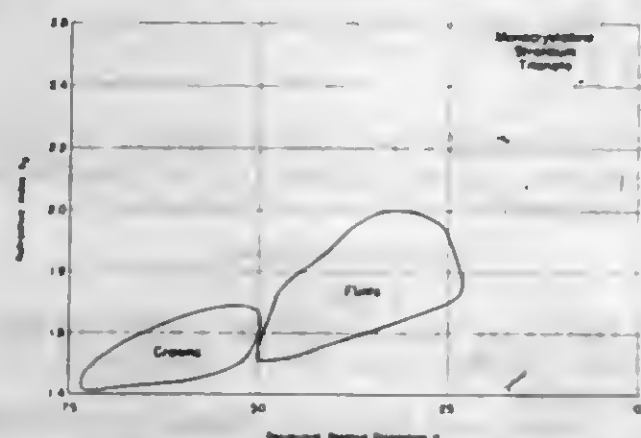
Leon Merker, New York, N. Y., and Langtry E. Lynd, South Plainfield, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

Application October 24, 1951, Serial No. 252,906

4 Claims. (Cl. 23-51)

1. Highly refractive glass-like material consisting of a monocrystalline mass of strontium

titanate having an index of refraction of about 2.4 and a reciprocal dispersion of about 13 formed by

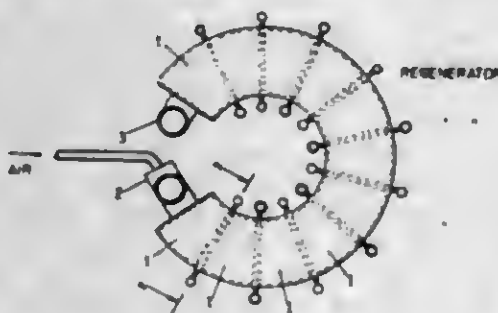


crystallizing fused strontium titanate particles as a boule.

2,628,157

CATALYST REGENERATOR

George F. Kuhn, Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 21, 1947, Serial No. 758,294
1 Claim. (Cl. 23-284)



Apparatus of the character described consisting of an elongated, arcuate, horizontal, tubular, regeneration chamber having vertical end walls in close relationship to each other, a single inlet mounted in one end wall, a single outlet mounted in the other end wall; pipe means connected to said inlet for supplying spent catalyst and air under pressure to said inlet, spaced vertical baffles extending downwardly from the top of the chamber and terminating at a substantial distance above the bottom of the chamber, curved baffles extending upwardly from the bottom of the chamber and terminating at a level above the lower ends of the vertical baffles in the spaces between said vertical baffles, each of said curved baffles having a concave surface facing upstream toward the lower end of one of said vertical baffles, and cooling tubes mounted in said vertical baffles and said curved baffles.

2,628,158

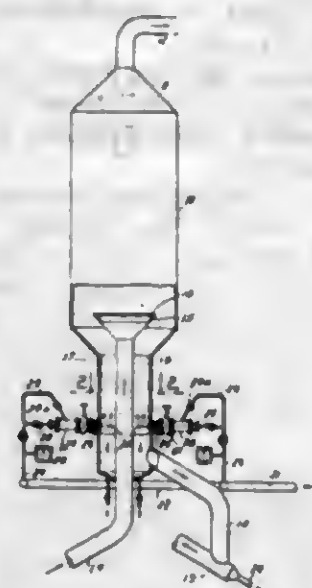
CATALYST STRIPPING VESSEL

Marion James Wilcox, Harvey, Ill., and Elmer F. Schade, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application March 6, 1950, Serial No. 147,908
2 Claims. (Cl. 23-288)

1. In a spent catalyst stripping vessel of a hydrocarbon cracking unit employing finely divided solid catalyst, a plurality of steam injection means each comprising a gate valve having the flange of one opening connected to said vessel in fluid communication therewith, a pipe section connected at its inner end to the flange of the other opening of said gate valve, a packing

gland and fitting means adjustably connected to the outer end of said pipe section, a steam lance mounted at its outer end in said packing gland and fitting means and sealably engaged thereby, said steam lance extending inwardly to said stripping vessel and horizontally across its internal cross section, said steam lance having a plurality of restricted orifices in the upper surface thereof sized to discharge steam at a



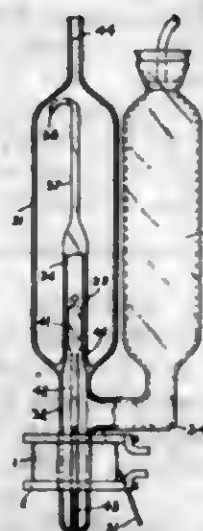
predetermined flow rate to insure proper distribution of steam and prevent the entry of said catalyst therein, and a plurality of means each being connected to its respective steam injection means responsive to the rate of steam flow for indicating the enlargement of said orifices due to erosion to insure replacement of its respective lance during continuous operation of said vessel prior to excessive steam consumption and damaging erosion.

2,628,159

LIQUID-GAS CONTACT APPARATUS

William H. Reeder, Olean, N. Y., assignor to Fisher Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 29, 1951, Serial No. 244,131
8 Claims. (Cl. 23-292)



1. Liquid-gas contact apparatus, comprising an upright vessel for gas and liquid having an opening in its bottom and an inlet for gas at its upper end, a vertical pump barrel mounted in the lower portion of the vessel, a nozzle in the upper part of the vessel connected with the upper end of said barrel, a pump plunger slidably mounted in the barrel and having a stem extending down through said bottom opening, a tubular housing for the stem extending downward from said bottom

opening and having a closed lower end, a solenoid coil encircling said housing and stem, and a metal core carried by the lower part of said stem, the side of said barrel being provided with a liquid opening close to the top of the plunger in its lower position, whereby when the coil is energized to raise said core the plunger will be raised by it to close said liquid opening and force liquid above it in the barrel upward and out through said nozzle.

2,628,160

SCULPTURING GLASS

Stanley Donald Stookey, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application August 30, 1951,
Serial No. 244,477
38 Claims. (Cl. 41-45)

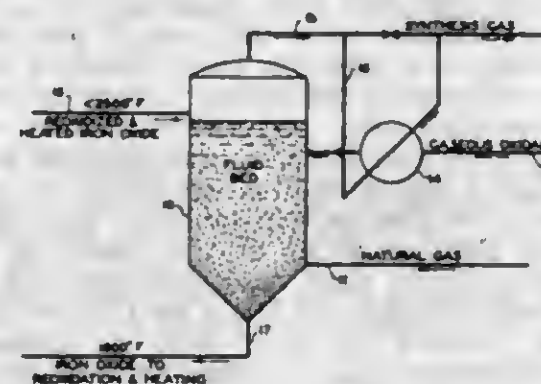
1. The method of sculpturing or selectively etching a glass article, which comprises forming in a selected portion of the glass a design comprising crystallites selected from the class consisting of a lithium silicate, barium disilicate and an alkali metal fluoride, while leaving the remaining portion of the glass unaffected, and treating the article with a dilute aqueous solution of hydrofluoric acid to dissolve one of such portions while leaving the other portion substantially unchanged.

2,628,161

FLUIDIZED IRON OXIDE-NATURAL GAS PROCESS FOR MANUFACTURING SYNTHESIS GAS

Bertrand J. Mayland, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application September 17, 1948, Serial No. 49,826
2 Claims. (Cl. 48-196)



1. An improved process for the manufacture of carbon monoxide and hydrogen synthesis gas which comprises maintaining in a synthesis gas producing zone a first bed of small solid particles of iron oxide in a fluidized condition by suspension in a gas flowing at a sufficiently low rate that the bulk of the particles are maintained together as a dense highly agitated phase, introducing said iron oxide at a temperature in the range of 2000 to 2500° F. into an upper portion of said fluidized bed, introducing natural gas to a lower portion of said fluidized bed as said gas, maintaining a temperature above about 1800° F. and just below the regeneration temperature of said iron oxide in said fluidized bed to liberate oxygen from said iron oxide and to oxidize said natural gas and thereby produce carbon monoxide and hydrogen synthesis gas, containing unoxidized natural gas, introducing an oxidant selected from the group consisting of steam, oxygen, and carbon dioxide from an external

source directly to the upper portion only of said synthesis gas producing zone in close proximity to the outlet for product synthesis gas and within the fluidized bed in sufficient quantity to react in the presence of partially reduced iron oxide with the natural gas which would pass through said reaction zone unreacted in the absence of such added oxidant, thereby producing a greater quantity of synthesis gas per volume of natural gas introduced to said reaction zone, removing synthesis gas from the top of said zone, removing reduced iron oxide at a temperature of about 1800° F. from a lower portion of said fluidized bed and passing same to a regeneration, oxidizing said reduced iron oxide in the presence of hot combustion gases containing free oxygen to such an extent that when it is returned to said fluidized bed the oxygen content of the iron oxide therein is maintained in the range of 18 to 23 weight per cent, said combustion gases maintaining said iron oxide in a second fluidized bed, and returning said oxidized iron oxide from said second fluidized bed to said first fluidized bed.

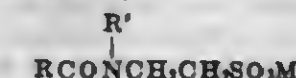
2,628,162

METHOD FOR INHIBITING PRECIPITATION OF 2,4-D SALTS IN HARD WATER

Herbert L. Sanders, Chicago, Ill., and Raymond L. Mayhew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 29, 1950,
Serial No. 203,572
6 Claims. (Cl. 71-2.6)

2. A new composition of matter comprising water, a soluble salt of 2,4-dichlorophenoxyacetic acid and from 0.1 to 2.0% by weight based on the 2,4-dichlorophenoxyacetic acid of a compound of following formula:



wherein R is selected from a group consisting of a rosin acid residue and a mixture of rosin acid and fatty acid residues, wherein R' is selected from the group consisting of hydrogen and methyl group, and M is selected from the group consisting of alkali metals and amines.

2,628,163

HERBICIDAL COMPOSITIONS

David T. Mowry, Dayton, Ohio, and Norman R. Piesbergen, Collinsville, Ill., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 22, 1951,
Serial No. 217,061
11 Claims. (Cl. 71-2.7)

1. A herbicidal composition comprising an oil-in-water emulsion of a compound selected from the class consisting of mucochloric acid, muco-bromic acid, and the alkali metal, alkaline earth metal, ammonium and organic amine salts of said acids.

2,628,164

POLYHALOGENATED ESTERS

David T. Mowry and Arthur H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

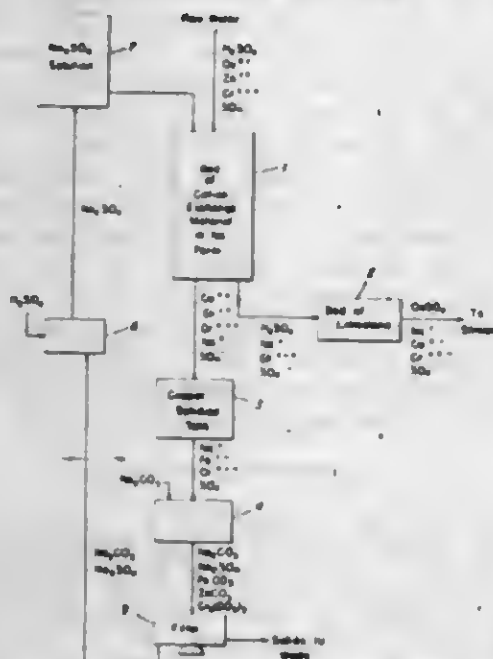
No Drawing. Application March 26, 1951,
Serial No. 217,678
14 Claims. (Cl. 71-2.7)

5. Diallyl 1,3-dicyano-2-(trichloromethyl)-glutarate.

2,628,165

PROCESS OF PREVENTING POLLUTION OF STREAMS

Robert Harding Bliss, Mount Carmel, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
Application March 9, 1950, Serial No. 148,659
4 Claims. (Cl. 75-108)



1. A process for treating the wash-waters from brass mills which comprises passing the raw wash-waters from the brass-pickling operation, which waters contain sulfuric acid together with the sulfates of copper, zinc, and chromium, through a bed of an insoluble, infusible, organic, cation-exchange material which contains sulfonate groups and is in the form of a salt of a member of the class consisting of sodium, calcium, magnesium, and ammonia, adsorbing on said bed of cation-exchange material the ions of copper, zinc, and at least some of the chromium ions, contacting and neutralizing the effluent from the bed of ion-exchange material with a compound from the class consisting of lime and limestone, passing the resultant aqueous solution to waste, regenerating the bed of cation-exchange material by passing therethrough an aqueous solution of a water-soluble salt whose cation is the same as that originally combined with said cation-exchange material and whose anion is a member of the class consisting of sulfate and chloride ions, collecting the effluent from the bed of regenerated cation-exchange material, which effluent contains the ions of copper, zinc, and chromium, removing copper by depositing it from said effluent, treating the resultant solution with a compound whose cation is the same as that originally combined with said cation-exchange material which compound is a member of the class consisting of sodium carbonate, sodium hydroxide, magnesium oxide, magnesium carbonate, lime and ammonium hydroxide, removing the resultant precipitate and adjusting the pH of the resultant aqueous solution to 4 to 7 with a mineral acid whose anion is the same as the anion of the salt employed to regenerate said bed of cation-exchange material.

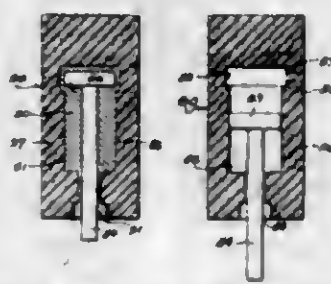
2,628,166

PROCESS OF MAKING CHAMBERED ARTICLES CONTAINING A MOVABLE ELEMENT

John Haller, Detroit, Mich.
Application February 28, 1949, Serial No. 78,728
10 Claims. (Cl. 75-200)

1. A process of making a chambered powdered metal article having a body with an insert loosely

mounted therein, comprising forming an insert with a shape of predetermined configuration from material which is not infiltratable into the pores of the powdered metal of the body, embedding the insert in a core of metal infiltratable into the pores of said powdered metal to form a core assembly, forming said core assembly into a shape having a size and configuration corresponding to the size and configuration desired for said chamber, positioning said core assembly in a mass of powdered metal, compressing said mass containing said core assembly into a body of desired shape to form a semi-finished article, and sintering the semi-finished article at a temperature above the melting point of the core and below the melting point of the insert to effect infiltration of the core material into the pores of said body whereby to leave said insert loosely mounted in said chamber and surrounded by a void previously occupied by the core metal.



7. A process of making a chambered powdered metal article having a body with an insert loosely mounted therein, comprising forming an insert with a shape of predetermined configuration from material which is not infiltratable into the pores of the powdered metal of the body, embedding the insert in a core of metal infiltratable into the pores of said powdered metal to form a core assembly, forming said core assembly into a shape having a size and configuration corresponding to the size and configuration desired for said chamber, said core also having a smaller diameter extension thereon of infiltratable material positioning said core assembly in a mass of powdered metal with the end of said extension located in a position corresponding to the ultimate exterior of the article, compressing said mass containing said core assembly into a body of desired shape to form a semi-finished article, and sintering the semi-finished article at a temperature above the melting point of the core and below the melting point of the insert to effect infiltration of the core material into the pores of said body whereby to leave said insert loosely mounted in said chamber with a passage of smaller diameter than said insert communicating with said chamber from the exterior of said body and surrounded by a void previously occupied by the core metal.

2,628,167

METHOD OF MAKING COLLOID SILVER HALIDE EMULSIONS CONTAINING THALLIUM

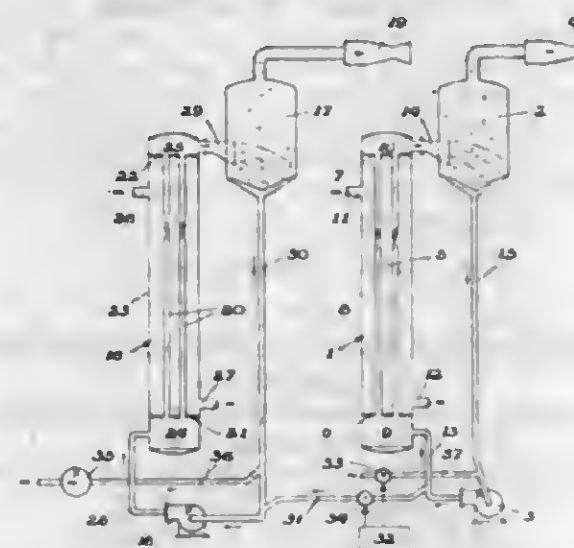
Joseph De Witt Overman, Milltown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1948, Serial No. 24,102
7 Claims. (Cl. 95-7)

1. A method of making a colloid silver halide emulsion which comprises adding to an aqueous colloid solution a water-soluble silver salt and a water-soluble thallous salt, precipitating silver and thallous halides, ripening the resulting emulsion and preparing the ripened emulsion for coating, said water-soluble thallous salt being used in an amount of 0.005 to 0.05 mol per cent based on the water-soluble silver salt.

2,628,168

PROCESS FOR HEAT-TREATING CITRUS JUICES

Herbert Stanford Madsen, Lakeland, Fla., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application July 31, 1951, Serial No. 239,573
10 Claims. (Cl. 99-155)

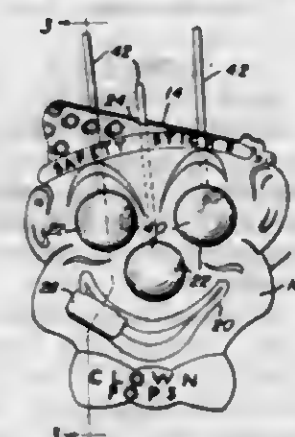


1. A process for effecting at least the partial inactivation of the enzymes naturally occurring in a citrus juice which are responsible for the loss of cloud and formation of a gel which comprises circulating said juice under an absolute pressure of less than 50 mm. of mercury through a heat exchanger maintained in a filled condition and having a heating surface temperature within the range of about 140°-195° F., said juice being circulated at a velocity below that at which turbulent flow would be provided so that a film of said juice is formed at the heating surface, said film being disrupted by the ebullition of water vapor from said surface and a film immediately thereafter being formed to subject continuously a succession of fresh juice surfaces to thermal exposure.

2,628,169

CONFECTIONERY CONTAINER

John G. Berthold, Jr., Huntington, W. Va., assignor to The J. G. Berthold Co., a corporation of West Virginia
Application April 18, 1951, Serial No. 221,593
1 Claim. (Cl. 99-180)



As a product of manufacture, the combination of a transparent envelope having closed upper and lower ends, a container positioned in said envelope and comprising a single sheet of material doubled upon itself along a transverse fold line to provide front and back walls permanently connected together at the fold line disposed at the top of the container, said walls defining an open sided pocket therebetween, the front wall

667 O. G.-30

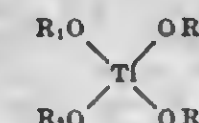
extending downwardly below the lower end of the back wall and being in supportable engagement with the closed lower end of said envelope, means separably connecting the lower end of the back wall to the front wall at a point spaced upwardly from the lower end of the front wall, the upper end of said container being spaced downwardly from the upper end of said envelope, the front wall of the container being provided substantially at the center thereof with an opening affording a seat, an article of confectionery positioned in said pocket against the back wall and engaging said seat, the back wall being provided with an aperture at a point adjacent said fold line, and a stick-shaped handle provided on said article of confectionery and extending upwardly and outwardly from said container through said aperture, the upper end of said handle being in supportable engagement with the closed upper end of said envelope.

2,628,170

SOLVENT-SOLUBLE WATER-REPELLENCY COMPOSITIONS

Larry Q. Green, New Castle County, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1950, Serial No. 145,893
7 Claims. (Cl. 106-271)

1. A water-repellency composition adapted to be applied to textile fiber from a hydrocarbon solvent, said composition comprising as predominant water-repellency factor an anhydrous mixture of a hydrocarbon wax whose melting range is within the limits of 33° C. to 90° C. and an organic titanium compound of the general formula



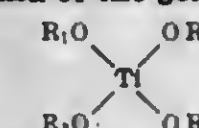
wherein R₁, R₂, R₃ and R₄ designate monomeric organic radicals, selected from the group consisting of aliphatic, cycloaliphatic and araliphatic hydrocarbon radicals and halogen derivatives of such radicals, the proportion of said titanium compound to said hydrocarbon wax being not less than 0.15% and not more than 25% by weight.

2,628,171

SOLVENT-SOLUBLE WATER-REPELLENCY COMPOSITIONS

Larry Q. Green, New Castle County, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application February 23, 1950, Serial No. 145,893. Divided and this application March 14, 1951, Serial No. 215,640
8 Claims. (Cl. 106-271)

1. A water-repellency composition adapted to be applied to textile fiber from a hydrocarbon solvent, said composition comprising as predominant water-repellency factor an anhydrous mixture of a hydrocarbon wax whose melting range is within the limits of 33° to 90° C. and an organic titanium compound of the general formula—



wherein some of the R's represent alkyl radicals of not over 6 C-atoms, while the remaining R's

represent radicals of a 2-(lower alkyl)-1,3-alkane-diol whereof the alkane radical possesses from 4 to 24 C-atoms while the lower alkyl radical has no more than 4 C-atoms, the proportion of said titanium compound to said hydrocarbon wax being not less than 0.15% and not more than 25% by weight.

2,628,172

PROCESS FOR PREPARING A POLYETHYLENE DISPERSION AND METHOD OF APPLYING SAME TO A POLYETHYLENE SURFACE
Henry Jenett, deceased, late of Montclair, N. J., by Caroline Louise Maria Jenett, executrix, Montclair, N. J., assignor to Emhart Manufacturing Company, Hartford, Conn., a corporation of Delaware

No Drawing. Application October 20, 1950,

Serial No. 191,315

6 Claims. (Cl. 117-103)

3. A method of coating a solid polyethylene surface which comprises applying to said polyethylene surface a stable, flowable dispersion of 10% to 35% by weight of finely-divided polyethylene having a mean average particle size of 0.5 to 40 microns and a lower molecular weight than the polyethylene of said surface; said finely-divided polyethylene being dispersed in an organic liquid medium consisting essentially of 30% to 90% by weight of an organic polyethylene solvent having a boiling point in the range of 80° C. to 300° C., and 70% to 10% by weight of an organic polyethylene nonsolvent having a boiling point in the range of 25° C. to 300° C.; and thereafter heating said polyethylene surface to which said dispersion has been applied to an elevated temperature of about 80° C. to about 5° C. below the melting point of said surface to volatilize said medium and convert the finely-divided polyethylene of the dispersion into a homogeneous film firmly bonded to said surface; said organic nonsolvent being an organic liquid which will not dissolve solid polyethylene at elevated temperatures below the melting point of polyethylene to form a clear solution.

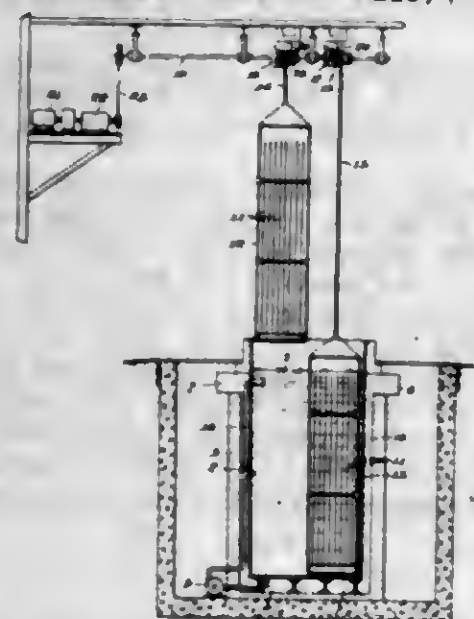
2,628,173

METHOD OF COATING METAL ARTICLES WITH BITUMINOUS MATERIALS

William F. Fair, Jr., Cranford, N. J., assignor to Koppers Company, Inc., a corporation of Delaware

Application October 30, 1947, Serial No. 783,128

6 Claims. (Cl. 117-113)



1. In a method of preparing coated metal articles in which method said articles are im-

mersed in and vertical metal surfaces thereof are exposed to a hot molten thermoplastic bituminous coating material, the steps comprising immersing said surfaces in the hot liquid bituminous coating material, elevating said surfaces vertically in said liquid coating material while permitting the material to drain, and during the period of elevating the said surfaces in said coating material gradually decelerating the rate of movement of said surfaces until the said surfaces completely emerge from the said body of coating material and reducing the temperature of the withdrawn coated surfaces to permit the coating to harden, thereby obtaining a hardened coating of substantially uniform thickness over the entire area of said surfaces.

2,628,174

METHOD OF PREPARING PROTECTIVE CLOTHING

Arthur J. Stokes and Homer W. Carhart, Washington, D. C.

No Drawing. Application October 9, 1943,

Serial No. 505,648

8 Claims. (Cl. 117-121)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A method of preparing protective clothing which comprises impregnating the clothing with an aqueous solution of a heterocyclic imine selected from the group consisting of a 7,8-diaryl glycoluril, a 2,5-dilimino-7,8-diaryl glycoluril, a 5,5-diaryl hydantoin and a 2-imino-5,5-diaryl hydantoin and treating the impregnated clothing with a chlorinating agent while it is wet.

2,628,175

COATED SHEET METAL

Sidney G. Henderson, Winsford, England, assignor to Collin Stewart Limited, Winsford, England, a British company

No Drawing. Application August 18, 1949, Serial No. 110,676. In Great Britain May 24, 1948

1 Claim. (Cl. 117-127)

As a new article of manufacture, sheet metal electrically insulated by a coating preparation consisting principally of finely powdered silica of particle size in the order of 1 to 5 microns and a binder of sodium silicate, said sodium silicate being 5% to 20% by weight of the silica.

2,628,176

METHOD OF RENDERING SYNTHETIC RESINS ASTATIC

Simon A. Simon, Longmeadow, and Arthur H. Drellich, Springfield, Mass., assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass., a corporation of Massachusetts

No Drawing. Application June 11, 1948, Serial No. 32,520. In Canada June 4, 1948

3 Claims. (Cl. 117-138.8)

1. The method of removing or reducing the electrostatic properties of a polymerized long chain synthetic resin which comprises applying to the surface of said resin an antistatic composition which consists of an aqueous dispersion of 1/2% to 5% by weight of an antistatic component selected from the group consisting of long chain fatty acid partial esters of hexitol anhydrides and oxyalkylene derivatives of long chain fatty acid partial esters of hexitol anhydrides, and drying the applied surface coating.

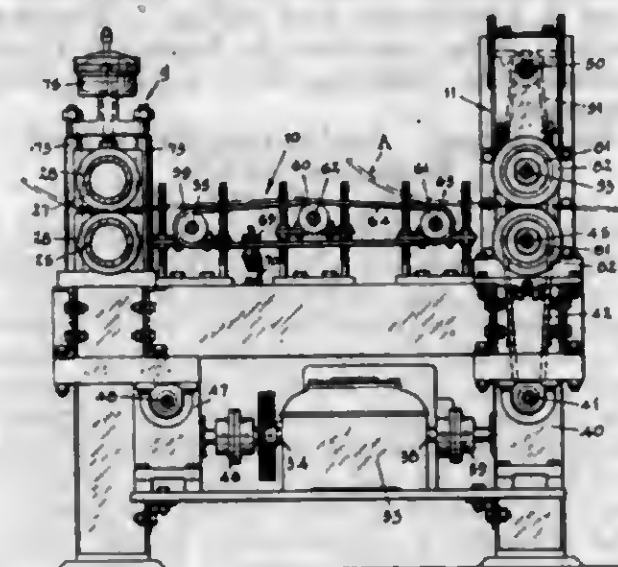
2,628,177

APPARATUS FOR PRESSING CURVED LAMINATED SAFETY GLASS

James H. Boicey and Carl B. Williams, Jr., Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application October 8, 1948, Serial No. 53,514

9 Claims. (Cl. 154-2.7)



7. In apparatus for pressing a curved laminated glass assembly, in combination, a generally horizontal conveyor that is divided into sections, sets of opposed rollers for applying compressive forces to the laminate assembly located between the conveyor sections, each of said conveyor sections that lies between two sets of rollers having an upwardly inclined portion leading from the rollers of one set and a downwardly inclined portion leading to the rollers of the other set of rollers whereby the glass assembly having curvature in its direction of travel presents its leading marginal area substantially in a tangent plane common to the rollers as it enters the space between said last mentioned rollers

2,628,178

OXYGENATED POLYMERIZABLE ACRYLIC ACID TYPE ESTERS AND METHODS OF PREPARING AND POLYMERIZING THE SAME

Robert E. Burnett and Birger W. Nordlander, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

No Drawing. Application July 29, 1950,

Serial No. 176,768

32 Claims. (Cl. 154-43)

12. The process which comprises passing oxygen through dipropylene glycol dimethacrylate while maintaining the temperature of the latter above 25° C., the said passage of oxygen being conducted until the said dimethacrylate has a final active oxygen content of at least 0.1%.

2,628,179

METHOD OF PRODUCING CARTONS HAVING METAL TEARING EDGES

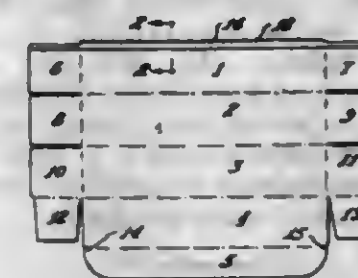
Robert M. Bergstein, Wyoming, Ohio

Application February 1, 1950, Serial No. 141,697

14 Claims. (Cl. 154-118)

1. A process of providing a paperboard article having a reinforced tearing edge which comprises providing a paperboard member and a relatively narrow strip of thin metal, adhesively securing

the narrow metal strip to said paperboard member, concurrently severing the paperboard and metal by forming a cut therein extending longi-



tudinally of the metal strip, whereby to provide at least one metal tearing edge supported and reinforced by a paperboard member.

2,628,180

METHOD OF UNITING POLYSTYRENE TO OTHER SURFACES USING STYRENE MONOMER ADHESIVES

Robert L. Iverson, Beaver Falls, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application August 5, 1948,

Serial No. 42,749

14 Claims. (Cl. 154-139)

1. A composition which comprises 1 to 20 per cent of a solvent and evaporation retarder selected from the class consisting of alkoxyethyl stearates in which the alkoxy group contains not more than four carbon atoms and the balance essentially styrene monomer.

8. In a method for uniting a polystyrene body with another solid body in which the union is effected by applying a solvent consisting essentially of styrene monomer to the styrene surfaces to be united, pressing the bodies together to secure an initial set and thereafter allowing the styrene monomer to evaporate, the improvement which comprises incorporating in the styrene monomer before said application from 1 to 20 per cent of a solvent and evaporation retarder selected from the class consisting of alkyl stearates and alkoxyethyl stearates in which the alkyl and alkoxy groups contain not more than four carbon atoms whereby to inhibit etching of the polystyrene by the styrene monomer.

2,628,181

TREATING PLANTS WITH 4,5-DICHLORO-3-PYRIDAZONES

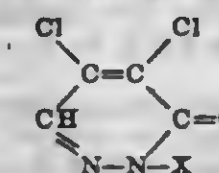
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 13, 1949,

Serial No. 87,370

3 Claims. (Cl. 167-33)

1. A method of treating plant tissue for inhibiting the growth of fungi and bacteria which comprises contacting the said tissue with a compound of the structural formula:



wherein X is a radical of the group consisting of hydrogen, alkyl, phenyl and chlorophenyl.

2,628,182

BENZOCAINE ANESTHETIC SOLUTION
Julian R. Reasenber, Brooklyn, N. Y., assignor to Mizzy, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 10, 1950,

Serial No. 161,257

5 Claims. (Cl. 167—52)

1. A liquid topical anesthetic solution stable at 0° C. comprising propylene glycol, more than 10 per cent of benzocaine, and a hexitan monolaurate-polyoxyalkylene derivative having from 8 to 25 alkyleneoxide units per mole.

2,628,183

COMPOSITION FOR CONTROL OF COCCIDIAL INFECTION

Julius E. Johnson, Jr., Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application April 21, 1951,

Serial No. 222,291

7 Claims. (Cl. 167—53.1)

1. A composition for the control of coccidial infection in fowl comprising as active ingredients (1) 5-nitro-2-furaldehyde semicarbazone and (2) a member of the group consisting of 2,2'-methylene bis(4-chlorophenol), 4,4'-isopropylidene bis(2-isopropylphenol) and 4,4'-isopropylidene bis(2-methylphenol), the active ingredients in such composition being mutually activating.

2,628,184

COMPOSITION OF MATTER TO DECREASE THE CIRCULATION OF BLOOD AND LYMPH IN VASCULAR AND ALLERGIC DISORDERS

Rudolph R. Widmann, Beverly Hills, Calif.

No Drawing. Application July 3, 1950,

Serial No. 172,022

4 Claims. (Cl. 167—55)

1. A composition of matter in which the sole essential active ingredients consist of a mixture of tyrosine and pyridoxine.

2,628,185

ANALGESIC COMPOUNDS AND COMPOSITIONS

Moses Juda Lewenstein, Kew Gardens, N. Y.

No Drawing. Application April 1, 1949,

Serial No. 85,050

8 Claims. (Cl. 167—67)

1. A new pharmaceutical product comprising a double salt of a polybasic acid with homatropine and at least one narcotic compound selected from the group consisting of dihydrohydroxycodine, dihydrocodeinone, dihydromorphine, ethyl-1-methyl-4-phenylpiperidine-4-carboxylate and 6-dimethyl-amino-4,4-diphenyl-3-heptanone in mixture with at least one simple salt of said narcotic compounds.

2,628,186

CARBOXYLIC ION EXCHANGE RESIN PURIFICATION OF VITAMIN B₁₂

William Shive, Austin, Tex., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 4, 1950,

Serial No. 136,847

7 Claims. (Cl. 167—81)

3. The process of purifying vitamin B₁₂ which comprises contacting an impure aqueous solution of vitamin B₁₂ at a pH between about pH 3

and about pH 6 with a carboxylic ion-exchange resin adjusted to a pH between about pH 3 and about pH 6 and eluting the vitamin B₁₂ from said resin by contacting said resin with a nonneutral aqueous solution of a water-miscible, polar organic solvent.

2,628,187

MEDICINAL MINERAL OIL VEHICLE THICKENED WITH POLYETHYLENE

Stanley H. Frohmader and Milton J. Shoemaker, Madison, Wis., assignors to Research Products Corporation, Madison, Wis., a corporation of Wisconsin

No Drawing. Application May 6, 1950,

Serial No. 160,578

12 Claims. (Cl. 167—82)

1. A viscous composition having improved consistency and stability characteristics comprising a medicament and mineral oil containing dispersed therein polyethylene having a molecular weight of at least 3,500 in an amount equal to approximately .25% to 50% of the combined weight of the polyethylene and the mineral oil, said polyethylene having been initially in solution in said mineral oil and said solution having been cooled at a rate of at least thirty degrees C. per minute through a temperature range including the cloud point of said solution while maintaining the concentration of polyethylene in mineral oil in said solution substantially unchanged.

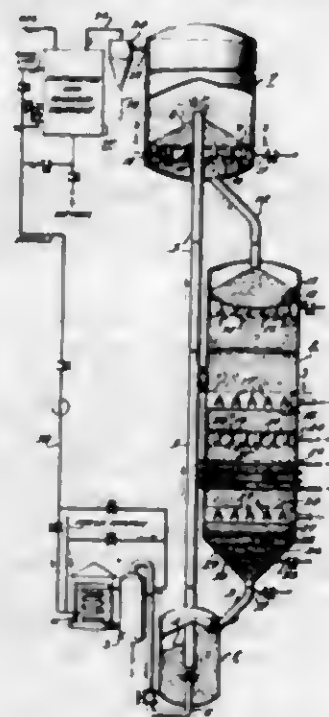
2,628,188

HYDROCARBON CONVERSION PROCESS UTILIZING THE GAS LIFT AS THE CONVERSION ZONE

Chalmer G. Kirkbride, Wallingford, and Jack C. Dart, Moylan, Pa., assignors to Houdry Process Corporation, Philadelphia, Pa., a corporation of Delaware

Application July 21, 1949, Serial No. 105,954

7 Claims. (Cl. 196—52)



1. The process of cracking hydrocarbons with solid cracking catalyst, which comprises continuously introducing a crackable hydrocarbon charge into a transfer zone containing a laterally confined compact bed of hot granular catalyst of comparatively large particle size, said charge being introduced to flow upwardly through said bed of catalyst at sufficient velocity and in such quantity to cause lifting of catalyst in said bed, continuously transporting catalyst so lifted to-

gether with and under the impelling influence of said hydrocarbons vertically upward at controlled velocity through a long laterally confined path of substantially smaller lateral cross section than that of said transfer zone, effecting catalytic cracking of a portion of said hydrocarbons while in contact with catalyst during such upward transportation, discharging the catalyst and transporting vapors at the top of said path into an expanded vapor-disengaging zone thereby causing said catalyst as a result of consequent decrease in velocity to settle out from the impelling influence of transporting vapors, the catalyst thus settling out being contaminated with carbonaceous deposit as a result of the cracking of hydrocarbons effected during said upward transportation, supporting the catalyst thus settled out to form a compact bed of contaminated catalyst below the said disengaging zone, withdrawing contaminated catalyst from the bottom of the last named bed thereby causing descent of catalyst to a point of discharge from said compact bed, passing inert gas upwardly through the said bed of contaminated catalyst into said disengaging zone to purge said catalyst of occluded and adhering vaporizable products therein, discharging purge vapors together with vaporizable products disengaged from catalyst in said vapor disengaging zone above said bed, passing the thus purged catalyst directly to a regeneration zone, effecting downward movement of catalyst in said regeneration zone as a compact mass, passing regenerating gas through said moving compact mass of catalyst in said regeneration zone to effect combustion of carbonaceous deposit in said catalyst and thereby heating said catalyst to desired temperature for reuse in contacting hydrocarbons, discharging the thus regenerated catalyst from said regeneration zone and continuously feeding the discharged catalyst from said regeneration zone to said transfer zone as a continuous uninterrupted confined column, the catalyst being fed to said transfer zone at a rate controlled by the rate of removal of catalyst from the bed of catalyst formed in said transfer zone, which removal of catalyst continuously takes place under the impelling influence of hydrocarbons introduced into said transfer zone, the velocity and rate of introduction of said hydrocarbons into said transfer zone being selected to cause transportation of the catalyst through said confined path above said transfer zone at desired weight ratios of catalyst to hydrocarbons, and the linear velocity of said hydrocarbons through said upward path being controlled with relation to the total length of said path so that said hydrocarbons traverse said path in not less than one and one-half seconds, the said weight ratios, linear velocity, and length of path being so correlated that substantial cracking of the hydrocarbons is effected during engagement of said hydrocarbons in the recited upward transportation of catalyst.

2,628,189

LIQUID FUEL COMPOSITION AND PROCESS OF MAKING SAME

Russell J. Hawes and Frank M. Miller, Cranford, and Robert H. Stephens, Bayonne, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

No Drawing. Application February 15, 1950,

Serial No. 144,376

7 Claims. (Cl. 196—71)

1. A method for preparation of a liquid hydrocarbon composition adaptable for use as a fuel

for gas turbines and jet engines, said composition being characterized by having distillation loss, 90% evaporated point and Reid vapor pressure characteristics as set forth hereinafter and prepared by use of wide cut distillate fractions from a petroleum crude without need for use of repressurizing agents which comprises distilling a petroleum crude to obtain a light liquid hydrocarbon distillate fraction substantially devoid of butanes and compounds lower boiling than butanes and having a Reid vapor pressure of more than about 5 but not more than about 12 pounds per square inch, a 90% evaporated point at a temperature not in excess of about 350° F., a final boiling point not in excess of 600° F., and a distillation loss not in excess of about 2% by volume, an intermediate liquid hydrocarbon distillate fraction having a Reid vapor pressure of substantially zero, a 90% evaporated point below 400° F., and comprised predominantly of constituents boiling within a range of about 325 to 390° F., and a heavy liquid hydrocarbon distillate fraction having a Reid vapor pressure of substantially zero, a final boiling point not in excess of 600° F., a distillation loss of less than about 1.5% by volume, and containing at least about 50% by volume of constituents boiling above 400° F., and combining said light fraction with said heavy fraction in a volume ratio of one part of said heavy fraction to about one to about nine parts of said light fraction to provide a liquid hydrocarbon composition having a Reid vapor pressure of at least about 5 but not more than about 7 lbs. per square inch, a distillation loss not in excess of about 1.5% by volume and a 90% evaporated point at over 400° F.

4. A liquid hydrocarbon composition adapted for use as a gas turbine and jet engine fuel comprising, by volume, about 50 to 90% of a light liquid petroleum hydrocarbon fraction substantially devoid of butanes and compounds lower boiling than butanes having a Reid vapor pressure of more than about 5 but not more than about 12 pounds per square inch, a distillation loss not in excess of about 2% by volume, a 90% evaporated point at a temperature not in excess of about 350° F., and a final boiling point not in excess of 600° F., and about 10 to 50% of a heavy liquid petroleum hydrocarbon fraction having a Reid vapor pressure of substantially zero, a final boiling point not in excess of 600° F., a distillation loss of less than about 1.5% by volume, and containing at least about 50% by volume of constituents boiling above 400° F., said light fraction and said heavy fraction being present in said composition in volume proportions within the aforesaid to provide a composition having a Reid vapor pressure of at least about 5 but not more than about 7 lbs. per square inch, a 90% evaporated point at over 400° F. and a distillation loss not in excess of 1.5% by volume.

2,628,190

METHOD OF TREATING SEWAGE OR OTHER WASTE MATERIAL

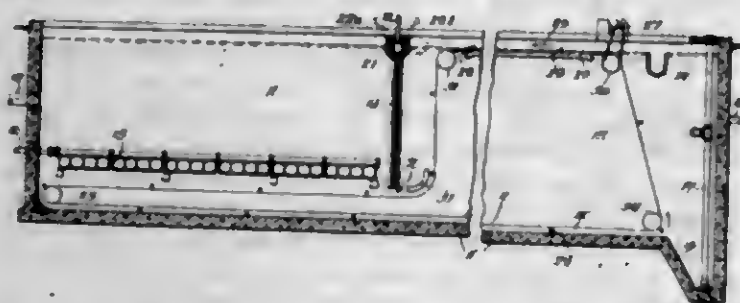
Lawrence E. Langdon, Wilmette, Ill., assignor, by mesne assignments, to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application August 31, 1949, Serial No. 113,309

5 Claims. (Cl. 210—3)

1. The method of subjecting raw untreated sewage to primary treatment in a single horizontally elongated treating unit which includes the steps of feeding the raw untreated sewage material directly into the inlet end of an elongated aeration zone, discharging diffused air into the material so fed and before it is passed beyond said aeration zone to effect aeration of such a

character as to free floatable substances from the suspended solids contained therein, directly discharging from the treating unit at the outlet end of the aeration zone the floatable substances that rise to the top of said zone, passing the material directly after aeration thereof from the outlet end of the aeration zone into the bottom portion only of the inlet end of an elongated zone of quiescent settling which is sufficiently isolated from the aeration zone as to be unaffected by the agitation created in the latter zone whereby the remaining floatable substances will rise to the top of the quiescent settling zone and settleable

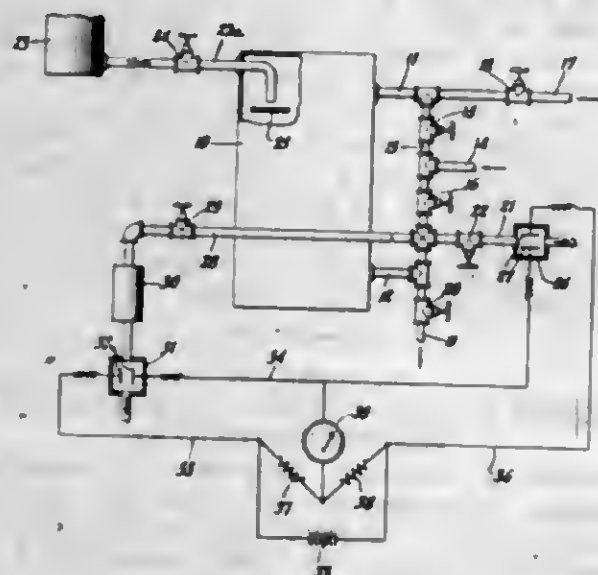


solids will accumulate on the bottom thereof, collecting the settled solids from the bottom of the quiescent settling zone and discharging the same into a solids receiving zone located within the limits of said settling zone, discharging from the treating unit the solids collected in said solids receiving zone, collecting the floatable substances from the top of said quiescent settling zone toward, and directly discharging the same from the treating unit at the inlet end of the settling zone, and discharging the clarified effluent from the treating unit at the outlet end of the quiescent settling zone.

2,628,191

REGENERATION OF ION EXCHANGERS
Bernard Abel Sard, Osterley, England, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

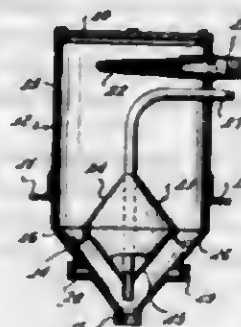
Application February 18, 1948, Serial No. 9,302
In Great Britain October 29, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 29, 1966
11 Claims. (Cl. 210-24)



1. A process of determining when to regenerate a hydrogen ion exchanger which comprises bypassing a portion of the effluent from the exchanger through a small auxiliary hydrogen ion exchanger, measuring the conductivities of the effluents from said exchangers, and regenerating said first exchanger when said conductivities become substantially different from each other.

2,628,192 APPARATUS FOR REGENERATING WATER SOFTENERS

Wesley K. Ziegelman, Los Angeles, Calif.
Application August 25, 1948, Serial No. 46,114
4 Claims. (Cl. 210-24)



1. A washing tank for use in regenerating water softeners comprising a closed cylindrical vessel, the lower end of which is tapered to define a lower portion of inverted cone shape, said cone being provided with an opening at the apex affording a connection to said softener; a baffle member in said vessel having the form of two cones placed base to base, said baffle member being disposed in said lower portion in a position extending one of said cones in parallel spaced relation to said lower portion; and an injector pipe extending into said vessel and downwardly through said baffle member terminating near said opening and in alignment therewith.

2,628,193

ION-EXCHANGE RESINS

Gaetano F. D'Alelio, Pittsburgh, Pa., assignor to Koppers Company, Inc., a corporation of Delaware

No Drawing. Application September 24, 1949, Serial No. 117,723
25 Claims. (Cl. 210-24)

1. A water-insoluble resin containing a plurality of sulfonic acid groups, said groups being attached to a cross-linked polymerizate prepared by the polymerization of a polymerizable mixture comprising (1) from about 75% to about 98% of a polymerizable aromatic compound selected from the class consisting of polymerizable mono-vinyl-aromatic and mono-(alpha-alkyl-vinyl)-aromatic hydrocarbon and nuclearly-halogen-substituted hydrocarbon compounds and (2) from about 2% to about 25% of a copolymerizable alkenyl halide, said cross-linking being effected in the presence of a strong ionic catalyst.

2,628,194

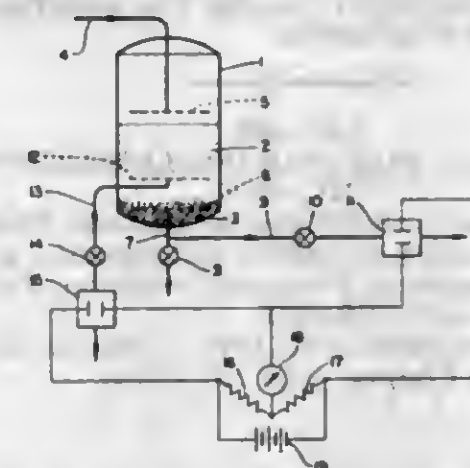
PROCESS OF AND APPARATUS FOR REGENERATING ION EXCHANGERS

Martin E. Gilwood, Hollis, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application December 28, 1950, Serial No. 203,165
In Great Britain December 30, 1949
5 Claims. (Cl. 210-24)

1. A process of operating a hydrogen ion exchanger containing a bed of hydrogen ion exchange material through which a liquid containing dissolved salts is flowed which comprises tapping off a small stream of the liquid from the interior of the bed at a point upstream and spaced from the point at which the main effluent leaves the bed, measuring the acidities of the two liquids,

and regenerating the bed when the measured



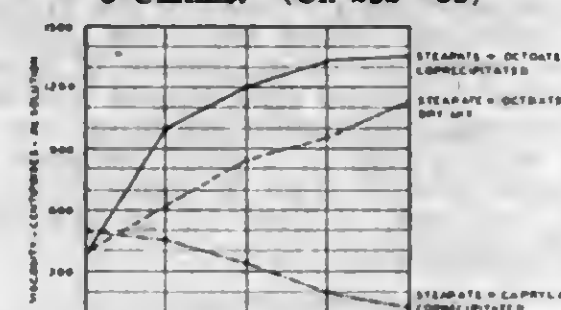
acidities become substantially different from each other.

2,628,195

LUBRICATING GREASE

John R. Allison and William L. Blalock, Whittier, Calif., assignors to Leffingwell Chemical Company, Whittier, Calif., a corporation of California

Original application September 23, 1949, Serial No. 117,434. Divided and this application September 18, 1950, Serial No. 185,368
3 Claims. (Cl. 252-35)



1. The method of producing a compound soap of stearic acid and 2-ethyl hexanoic acid in situ in a lubricating grease formulation which consists in bringing said acids into joint solution in a mineral lubricating oil, mixing with said solution a small proportion of water and a base selected from the group consisting of the hydroxides and carbonates of aluminum, barium, calcium, magnesium, strontium and zinc, and heating the mixture to a temperature above the boiling point of water to bring the resultant soaps into solution in said oil and to drive off any water contained therein; the proportions in which said acids are used being so controlled that the soap of 2-ethyl hexanoic acid represents from 1% to 35% of the weight of said compound soap.

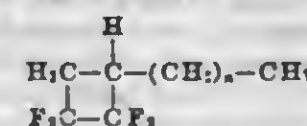
2,628,196

FLUORINE-CONTAINING LUBRICANT

Harry L. Coonrad, Woodbury, Barton W. Rope, Mullica Hill, and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original application August 10, 1950, Serial No. 178,747. Divided and this application June 27, 1951, Serial No. 233,948
5 Claims. (Cl. 252-46.7)

1. A composition of matter comprising in combination a mineral oil and



wherein n is an integer from about eleven to about nineteen.

2,628,197

METALWORKING LUBRICANT

Robert B. Killingsworth, Roslyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application August 17, 1950, Serial No. 180,103
5 Claims. (Cl. 252-49.5)

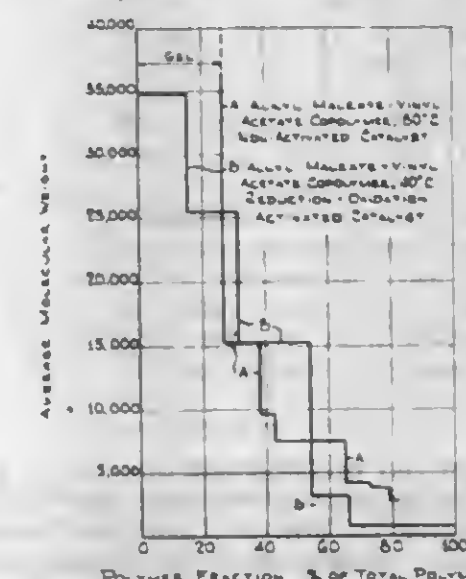
1. An aqueous soluble cutting oil emulsion consisting essentially of mineral lubricating oil dispersed in water, an oil-in-water type emulsifier present in minor proportion sufficient to form a substantially stable oil-in-water emulsion and between about 0.1 per cent and about 50 per cent by weight of an organophilic bentonite characterized by a hydrocarbon chain of at least 10 carbon atoms.

2,628,198

ALKYL MALEATE-VINYL ACETATE COPOLYMERS

Erving Arundale and Fred W. Banes, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application March 31, 1951, Serial No. 218,678
10 Claims. (Cl. 252-56)



1. A lubricating composition consisting of mineral base lubricating oil of a viscosity of 35 to 800 S. U. at 210° F. and 0.01 to 20% of a C_8 to C_{30} alkyl maleate vinyl acetate copolymer having an average molecular weight of 7,000 to 25,000, and having a maximum molecular weight of not more than 40,000, said polymer being polymerized in the presence of an inert organic solvent and from about 0.1% to 5.0% by weight of a peroxide catalyst at a temperature of from about 30° to 60° C., said copolymerization being promoted by about 0.01 to 5% by weight of a ferric salt of a long chain fatty acid as an oxidizing agent and about 0.1 to 5.0% of an oil soluble organic reducing agent selected from the class consisting of benzoin, acetal, diacetone alcohol, diacetyl acetone and acetonyl acetone as a reduction-oxidation agent activator combination.

2,628,199

TARNISH REMOVER

Frederick A. Lowenheim, Plainfield, N. J.
No Drawing. Application December 21, 1949, Serial No. 134,360
8 Claims. (Cl. 252-142)

1. A cleaning composition for silver- and copper-containing metal surfaces consisting essentially of 1 part by weight of an acid having a pK in the range of 1 to 5 and about 3 to 5 parts

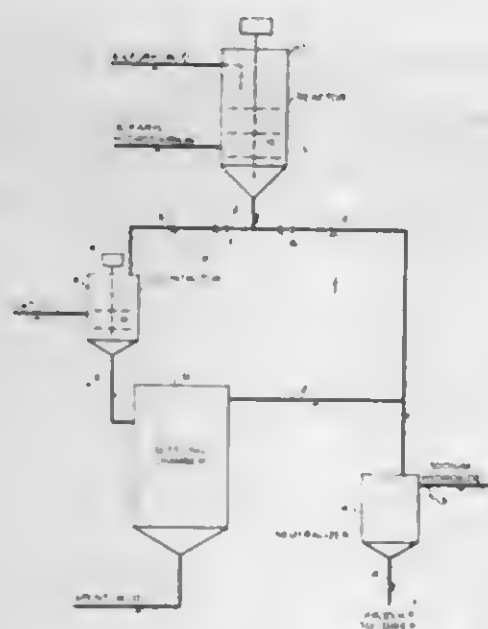
by weight of thiourea, said acid being water-soluble, stable, non-oxidizing, and forming no water-insoluble compounds with copper or silver.

2,628,200

PRODUCTION OF ALKARYL SULFONATE DETERGENT COMPOSITIONS, INCLUDING A METHOD OF CONTROLLING THE SODIUM SULFATE CONTENT THEREOF

Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 28, 1948, Serial No. 67,748
4 Claims. (Cl. 252-161)



1. An improved method for obtaining a predetermined sodium sulfate content detergent mixture comprising sodium sulfate and sodium alkaryl sulfonate, which comprises reacting an alkylated aromatic organic material with an excess of sulfuric acid under sulfonation conditions, dividing the resulting sulfonation mixture containing free sulfuric acid into two portions A and B, the relative quantities of A and B being chosen to produce the desired sodium sulfate content in the final detergent mixture, admixing A with sufficient water to cause formation of a sulfuric acid-rich lower layer and a sulfonic acid-rich upper layer upon settling, settling the mixture and recovering the upper layer, admixing same with B which has remained untreated, neutralizing the resulting admixture with sodium hydroxide, and drying the neutralized product to form a detergent mixture containing sodium alkaryl sulfonate and sodium sulfate builder in controlled quantity.

2,628,201

ZINC-MAGNESIUM OXIDE LUMINESCENT MATERIALS AND METHODS OF MAKING SAME

Arthur L. J. Smith, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application July 29, 1949, Serial No. 107,616
11 Claims. (Cl. 252-301.6)

1. A luminescent material as prepared by a process comprising preparing a mixture of zinc oxide and magnesium oxide in which the proportion by weight of said magnesium oxide is 1-50 mol per cent, firing the mixture at a temperature

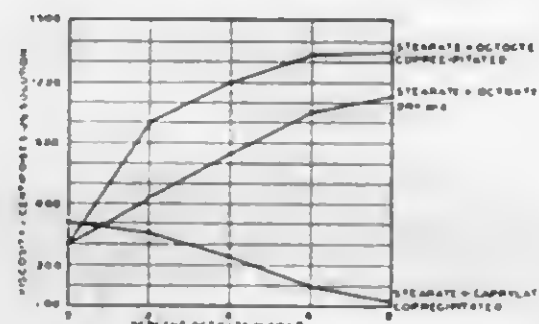
of 907° C. to 1300° C. in a reducing atmosphere, and then immediately cooling the material in a non-oxidizing atmosphere.

2,628,202

SOAP USEFUL FOR MAKING LUBRICATING GREASES

John R. Allison and William L. Blalock, Whittier, Calif., assignors, by mesne assignments, to Lefingwell Chemical Company, Whittier, Calif., a corporation of California

Application September 23, 1949, Serial No. 117,434
15 Claims. (Cl. 252-316)



1. A compound soap adapted to the manufacture of lubricating greases and as an additive to oil paints, consisting of a stearate of a metal selected from the group consisting of aluminum, barium, calcium, magnesium, strontium and zinc together with a soap of 2-ethyl hexanoic acid with a metal selected from the same group, last said soap representing from 1% to 50% of the weight of said compound soap.

2,628,203

SOLUTIONS OF RUBBERY POLYMERS FROM PARTICLES OF UNIFORM DIAMETER

Carl F. Van Gilder, Roselle, and William C. Harney, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 9, 1949,

Serial No. 114,904

3 Claims. (Cl. 260-28.5)

1. A process for preparing solutions of high molecular weight rubbery polymers in wax which comprises agitating with the wax, at a temperature above the melting point of the wax, polymer particles selected from the group of rubbery polymers consisting of natural rubber, the copolymer of butadiene and styrene, the copolymer of butadiene and acrylonitrile, polyisobutylene, polyethylene, and the copolymer of isobutylene and a diolefin selected from the group consisting of butadiene and isoprene, said polymer particles being of uniform size of not over 1/4 inch diameter.

2,628,204

METHOD OF AND APPARATUS FOR MIXING MATERIALS

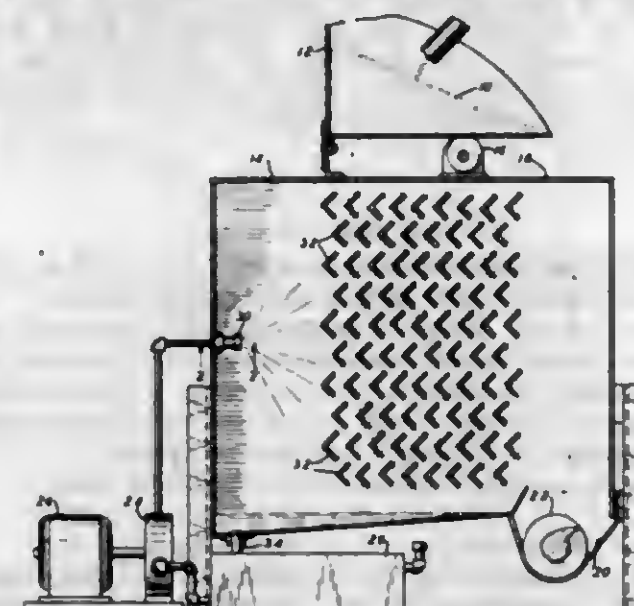
Alvin N. Gray, Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 13, 1950, Serial No. 161,819

8 Claims. (Cl. 260-29.1)

1. A method of mixing plasticizing materials with thermoplastic materials, which includes continuously dropping a powdered thermoplastic material in a sheet-like curtain, and forcing a

liquid plasticizer material through a baffled passageway in finely divided, air-suspended form



onto the curtain of the first-mentioned material to mix the two materials.

2,628,205

VISCOUS HYDROPHILIC COMPOSITION AND METHOD OF MAKING THE SAME

Milton J. Shoemaker, Madison, Wis., assignor to Research Products Corporation, Madison, Wis., a corporation of Wisconsin

No Drawing. Application October 21, 1950,

Serial No. 191,495

12 Claims. (Cl. 260-29.6)

1. A thixotropic hydrophilic composition comprising mineral oil, polyethylene and an emulsifier, said polyethylene having a molecular weight of at least 3500 and having been initially in solution in said mineral oil, said mineral oil-polyethylene solution having been cooled at a rate of at least thirty degrees C. per minute through a temperature range including the cloud point of said solution while the concentration of polyethylene in mineral oil in said solution was maintained substantially unchanged.

2,628,206

STAIN FILLER COMPOSITIONS AND PIGMENTED FILLERS THEREFOR

George L. Deniston, Dayton, Ohio, assignor to Chadeloid Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 4, 1949,

Serial No. 97,329

2 Claims. (Cl. 260-30.4)

1. A combined wood stain and filler composition in the form of a solution-suspension, said composition comprising tetrahydrofurfuryl alcohol, and 1 to 15 parts by weight of dyestuff, 5 to 100 parts by weight of an air-drying unmodified phthalic anhydride glycerol resin, 5 to 30 parts by weight of polyvinyl alcohol, 10 to 120 parts by weight of hydrated precipitated calcium silicate, and morpholine.

2,628,207

TEREPHTHALATE ESTERS AS PLASTICIZERS FOR POLYVINYL RESINS

Paul V. Smith, Jr., Westfield, David W. Young, Roselle, and Raymond G. Newberg, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 14, 1949,

Serial No. 115,762

4 Claims. (Cl. 260-31.8)

1. A composition of matter comprising 100

parts of a resinous copolymer of about 95% vinyl chloride and about 5% vinyl acetate, and 5 to 100 parts of a diocetyl terephthalate.

2,628,208

COATING COMPOSITIONS

Serge A. Loukomsky, Hartford, Conn.
No Drawing. Application June 18, 1951,

Serial No. 232,240

21 Claims. (Cl. 260-32.8)

1. A coating composition for a normally solid hydrocarbon polymer surface consisting essentially of a mixed solvent medium having a higher boiling fraction and a lower boiling fraction, a first resin dispersed in particulate form in said medium, and a second resin in solution in said medium; said first resin being compatible with the normally solid hydrocarbon polymer surface to be coated, and soluble in the higher boiling fraction of said medium at an elevated temperature, said second resin being incompatible with the normally solid hydrocarbon polymer surface to be coated, insoluble in the higher boiling fraction of said medium at any temperature, and soluble in said medium and in the lower boiling fraction thereof at a temperature substantially below that requisite to solution of said first resin in the higher boiling fraction of said medium, the boiling point differential between said higher boiling fraction and said lower boiling fraction of the solvent medium being at least about 10 centigrade degrees, said first resin being polyethylene having a molecular weight of at least 10,000 and a particle size of about 0.2 to about 5.0 microns; said second resin being selected from the group consisting of the oil, fat and hydrocarbon insoluble vinyl resins and chlorinated rubber; the weight ratio of said second resin to said first resin falling within the range of about 1:1.2 to 1:5.

2,628,209

PROCESS FOR INCREASING VISCOSITY OF UNCURED ALKYD COPOLYMER RESINOUS MIXTURES AND PRODUCT

Charles F. Fisk, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 28, 1947,

Serial No. 782,671

4 Claims. (Cl. 260-40)

1. A composition comprising the product of polymerization of a polymerizable mixture including at least one monomeric, unsaturated, polymerizable component possessing a terminal $>C=CH_2$ group, an unsaturated alkyd resin having an acid number of from 10 to 100 and which is the reaction product of an ethylene alpha,beta-dicarboxylic acid and a glycol, and also including an organic peroxidic catalyst of polymerization, a polymerization inhibitor, and magnesium oxide integrally dispersed throughout the mixture, the amount of magnesium oxide being no more than is capable of dissolving in the composition.

2,628,210

OXYGENATED POLYMERIZABLE ESTERS AS CURE ACCELERATORS AND AS COPOLYMERIZABLE MATERIALS

Paul T. Etchason and Henry F. Jones, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York

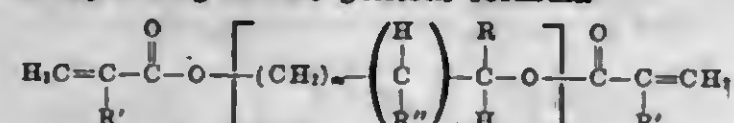
No Drawing. Application July 29, 1950,

Serial No. 176,770

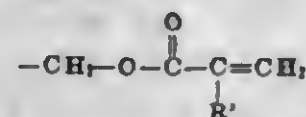
25 Claims. (Cl. 260-45.4)

1. A polymerizable composition comprising (a) an oxygenated derivative of a compound having

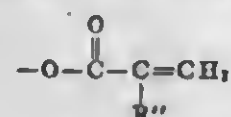
a final active oxygen content of at least 0.1% corresponding to the general formula



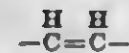
where R is a member selected from the class consisting of hydrogen $-\text{CH}_3$, $-\text{C}_2\text{H}_5$, $-\text{CH}_2\text{OH}$, and



radicals, R' is a member selected from the class consisting of hydrogen, chlorine, and the methyl and ethyl radicals, R'' is a member selected from the class consisting of hydrogen, $-\text{OH}$ radical, and



radical, m is an integer equal to at least 1, n is an integer equal to at least 2, and p is one of the following: 0, 1 and (b) an organic polymerizable monomer containing a polymerizable group selected from the class consisting of the $\text{CH}_2=\text{C}<$ grouping and the



grouping of an alpha unsaturated alpha beta polycarboxylic acid.

2,628,211

POLYVINYL CHLORIDE RESINS STABILIZED WITH POLYSTANNOXANEDIOL ESTERS

Gerry P. Mack, Jackson Heights, and Emery Parker, New York, N. Y., assignors to Advance Solvents & Chemical Corporation, New York, N. Y.

No Drawing. Application December 10, 1949,

Serial No. 132,408

9 Claims. (Cl. 260-45.75)

1. A heat and light resistant plastic composition including as a major constituent a halogen-containing resin and as a stabilizer an aliphatic carboxylic acid ester of a linear hydrocarbon-substituted polystannoxane-alpha, omega-diol.

2,628,212

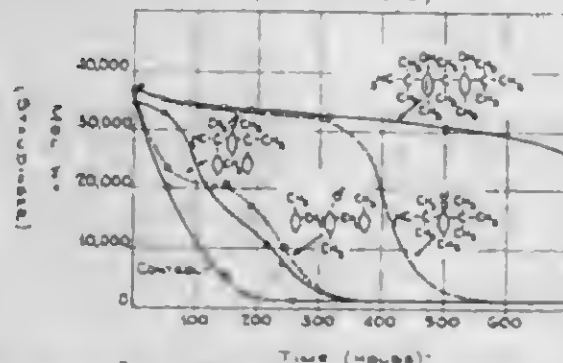
STABILIZED SYNTHETIC RUBBER COMPOSITIONS CONTAINING 2,2-BIS(2-HYDROXY-3-T-BUTYL-5 METHYLPHENYL)-PROPANE

David W. Young, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 10, 1949, Serial No. 132,282

3 Claims. (Cl. 260-45.95)

GR-1 RUBBER - ACCELERATED AGING TEST
(In Air at 110°C.)



1. A stabilized solid synthetic rubber composition consisting of a solid synthetic rubber se-

lected from the group consisting of copolymers of isoprene and isobutylene and a polyisobutylene having a Staudinger molecular weight in the range of 40,000 to 200,000, admixed with from 0.1 to 5 weight per cent of 2,2-bis(2-hydroxy-3-t-butyl-5 methylphenyl)-propane as an inhibitor against oxidative deterioration.

2,628,213

COPOLYMERS, INCLUDING SILICONOLS AND HYDROGEN BONDED TO SILICON

John B. Rust, East Hanover, N. J., assignor, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application April 16, 1948,

Serial No. 21,571

28 Claims. (Cl. 260-46.5)

1. A copolymer by dehydration of a hydrolysis product containing a Si-H bond of a hydrolyzed silicohaloform derivative having the formula $\text{R}'_3\text{SiHR}_2$ where R is selected from the group consisting of halogen and OR' and R' is monovalent hydrocarbon radical having carbon bonded to the oxygen, x is from 1 to 2, and R'' is a monovalent hydrocarbon radical having carbon bonded to the silicon, the R radicals only being hydrolyzed, with an organo siliconol different from said hydrolysis product in which siliconol an organo radical is attached to silicon and the organo radical is a monovalent hydrocarbon radical, the mol ratio of derivative to siliconol being from 4:1 to 1:4 based on the unhydrolyzed compounds.

2,628,214

CURING OF POLYETHYLENES

Paul S. Pinkney and Richard H. Wiley, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 27, 1945,

Serial No. 625,110

2 Claims. (Cl. 260-63)

1. A process for curing a preformed solid ethylene polymer which comprises admixing the said ethylene polymer with from about 0.5 to 20% by weight of benzoyl peroxide, and thereafter heating the resultant mixture at a temperature within the range of 70° to 250° C.

2,628,215

PHENYL METHYL DIALKOXY SILANE-POLYHYDRIC ALCOHOL-DICARBOXYLIC ACID OR ANHYDRIDE REACTION

Melvin J. Hunter and Lawrence A. Rauner, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application September 28, 1949,

Serial No. 118,446

2 Claims. (Cl. 260-75)

2. The method of preparing copolymeric materials which comprises reacting a phenylmethyl-dialkoxysilane with an equal molecular amount of a dihydric alcohol and reacting the resulting product at a temperature between 100° C. and 300° C., with an acidic compound selected from the group consisting of dicarboxylic acids and anhydrides there, in amount such that the ratio of the number of acid fundamental groups to the sum of the number of alkoxy radicals plus hydroxyl radicals is from 0.01 to 1.

2,628,216

PROCESS FOR PREPARING POLYAMIDES FROM DINITRILES AND DISECONDARY ALCOHOLS OR THEIR ESTERS

Eugene Edward Magat, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1949,

Serial No. 72,771

9 Claims. (Cl. 260-78)

1. A process for producing synthetic linear polyamides which comprises reacting within the temperature range of -20° to 80° C. an organic dinitrile free of other reacting groups with a substantially mol equivalent of a disecundary compound selected from the group consisting of disecundary alcohols and carboxylic acid esters of disecundary alcohols containing as the sole reacting groups alcohol and ester groups, in a substantially anhydrous strong acid reaction medium, said acid being selected from the group consisting of sulfuric acid, phosphoric acid, alkane sulfonic acid and mixtures thereof, and continuing the reaction within said temperature range until a polymer of the desired intrinsic viscosity is produced.

2,628,217

PROCESS FOR PREPARING AMIDES

Eugene Edward Magat, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1949,

Serial No. 72,772

9 Claims. (Cl. 260-78)

1. A process for preparing amides which comprises reacting an organic nitrile having a formula selected from the group consisting of $\text{H}-\text{R}_m-\text{CN}$ and $\text{NC}-\text{R}_m-\text{CN}$, where R is selected from the group consisting of bivalent hydrocarbon and nitro and amino substituted hydrocarbon radicals, and m is a numeral from 0 to 1, and water with a tertiary chloride selected from the group consisting of tertiary alkyl chlorides and ditertiary alkylene dichlorides in a strong acid reaction medium.

2,628,218

PROCESS FOR PREPARING POLYAMIDES FROM A DINITRILE AND A DITERTIARY ALCOHOL OR ESTER OF THE LAST

Eugene Edward Magat, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1949,

Serial No. 72,774

8 Claims. (Cl. 260-78)

1. A process for producing synthetic linear polyamides which comprises reacting within the temperature range of -20° to 80° C. an organic dinitrile of the formula: $\text{NC}-\text{R}_m-\text{CN}$, wherein R is a divalent radical from the group consisting of hydrocarbon and unreactive heterocyclic radicals and m is a numeral from 0 to 1, and water with a substantially mol equivalent of the dinitrile of a compound selected from the group consisting of ditertiary alcohols and carboxylic acid esters of ditertiary alcohols containing as the sole reacting groups alcohol and ester groups, in a strong acid reaction medium and continuing the reaction within said temperature range until a polymer of the desired intrinsic viscosity is produced.

2,628,219

PROCESS FOR PREPARING POLYAMIDES FROM DINITRILE AND DITERTIARY DIOLEFIN

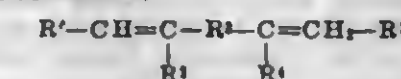
Eugene Edward Magat, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1949,

Serial No. 72,775

7 Claims. (Cl. 260-78)

1. A process for producing synthetic linear polyamides which comprises reacting within the temperature range of -20° to 80° C. in a strong acid reaction medium an organic dinitrile of the formula: $\text{NC}-\text{R}_m-\text{CN}$, wherein R is a divalent hydrocarbon radical and m is a numeral from 0 to 1, and water with a ditertiary diolefin having the general formula:



wherein R' and R² are selected from the group consisting of hydrogen and monovalent alkyl radicals, R¹ and R² are monovalent alkyl radicals and R³ is a divalent alkyl radical having at least 3 carbon atoms in the chain, the proportion of dinitrile and diolefin being substantially in mol equivalence, and continuing the reaction within said temperature range until a polymer of the desired intrinsic viscosity is produced.

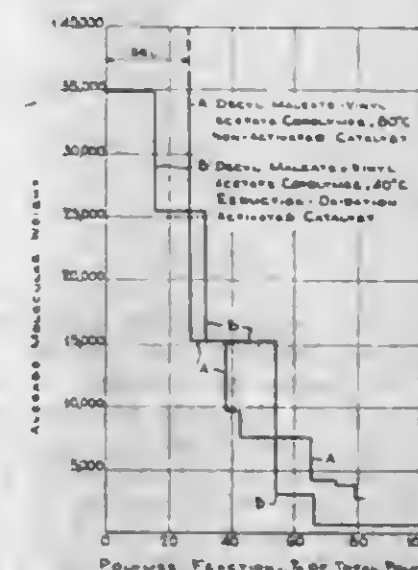
2,628,220

ALKYL MALEATE-VINYL ESTER COPOLYMER

Erving Arundale and Fred W. Bancs, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application June 15, 1951, Serial No. 231,825

13 Claims. (Cl. 260-78.5)



8. A copolymeric product of an alkyl maleate and a vinyl ester having the desirable characteristic of depressing the pour point of lubricating oils into which it has been incorporated which has been formed by copolymerizing a C₈ to C₂₀ alkyl maleate with vinyl acetate in the presence of an inert organic solvent and from about 0.1% to 5.0% by weight of a peroxide catalyst at a temperature of from about 30° to 60° C., said copolymerization being promoted by about 0.01 to 5.0% by weight of a ferric salt of a long chain fatty acid as an oxidizing agent and about 0.1% to 5.0% of an oil soluble organic reducing agent selected from the class consisting of benzoin, acetol, diacetone alcohol, diacetyl acetone and acetonyl acetone as a reduction-oxidation agent activator combination.

2,628,221

COPOLYMERS OF VINYL ESTERS AND TERTIARY AMINO NITROGEN-CONTAINING COMPOUNDS AND PROCESS FOR PRODUCING SAME

Frank D. Marsh, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1951, Serial No. 219,109

14 Claims. (Cl. 260-85.7)

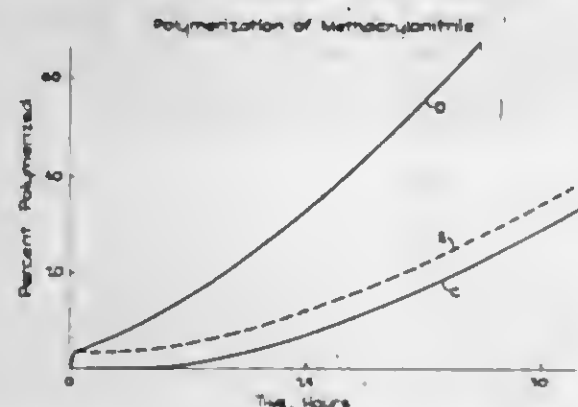
1. A tertiary aminonitrogen-containing polymer of a N,N-disubstituted monoethylenically unsaturated amine and a vinyl alcohol ester of an aliphatic monocarboxylic acid characterized in having a main polymer chain consisting of carbon atoms only and lateral substituents containing a radical from the class consisting of acyloxy and hydroxyl radicals, and amidonitrogen-free aliphatic, including cycloaliphatic, tertiary aminonitrogen-containing groups in which the atom vicinal to the main polymer chain is attached to other atoms by single bonds only and the carbon to which the tertiary aminonitrogen is linked is attached to only one other carbon atom.

2,628,222

METHOD OF POLYMERIZATION AND PRODUCTS PRODUCED THEREBY

Kenzie Nozaki, Richmond, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 22, 1948, Serial No. 61,328

11 Claims. (Cl. 260-88.7)



1. A process for polymerizing methacrylonitrile which comprises heating an aqueous emulsion containing 100 parts by weight of monomeric methacrylonitrile as the sole polymerizable component and 200 to 500 parts by weight of water, 0.1% to 1% by weight of monomer of a polymerization catalyst, and 0.1% to 1% by weight of monomer of an emulsifying agent to a temperature between 90° C. and 150° C. for 5 to 10 minutes, rapidly cooling the mixture to a temperature between 0° C. and 25° C. and maintaining the mixture in that temperature range to complete the polymerization and then recovering the formed polymethacrylonitrile from the reaction mixture.

2,628,223

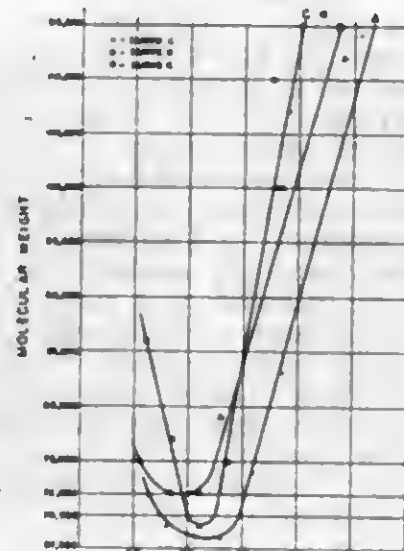
POLYMERIZATION OF ACRYLONITRILE TO POLYMERS OF CONTROLLED MOLECULAR WEIGHT

John Cadwallader Richards, Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 9, 1949, Serial No. 75,436

7 Claims. (Cl. 260-88.7)

1. A process for the polymerization of acrylonitrile to a polymer having a uniform molecular

weight which comprises forming an aqueous solution of acrylonitrile; dissolving therein a persulfate catalyst and an activator comprising a water-soluble sulfoxide reducing agent which has a sulfur atom having a valence not exceeding 4; adjusting the pH of the resultant solution be-



tween 2.5 and 3.5; polymerizing the said acrylonitrile dissolved in said solution; maintaining the acidity of the said solution during polymerization at a substantially constant pH value between 2.5 and 3.5 by adding acid during polymerization; and continually removing the polymer as it forms during polymerization.

2,628,224

VINYL DIALKYLAMINOHYDROCARBON-AMIDES

Theodore Le Sueur Cairns, Newark, and John C. Sauer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 16, 1951, Serial No. 206,320

22 Claims. (Cl. 260-89.7)

1. An N-monovinyl substituted amide containing a tertiary amino nitrogen atom, two of whose valences are satisfied by alkyl radicals of 1 to 18 carbon atoms and the third valence being satisfied by a bivalent hydrocarbon radical of 2 to 12 carbon atoms selected from the class consisting of alkylene, arylene and cyclohexylene radicals, said hydrocarbon radical being linked directly by a single bond to a member of the class consisting of carbonamide and sulfonamido groups containing a vinyl group attached directly to the amido nitrogen atom.

2. A polymer of an N-monovinyl substituted amide as set forth in claim 1.

2,628,225

POLYMERIZATION OF METHACRYLATE ESTERS WITH BENZOYL PEROXIDE-BENZOIN-FERRIC LAURATE CATALYST

Thomas Stanford Tutwiler, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 10, 1949, Serial No. 132,415

2 Claims. (Cl. 260-89.5)

1. In a process for the polymerization of methacrylate esters wherein from 0.2% to 3.0% of ben-

2,628,228

SULFUR-CONTAINING PLASTICIZING COMPOSITION

Robert Gardner King, Norwalk, Conn., assignor to King Organic Chemicals, Inc., Norwalk, Conn., a corporation of Connecticut
No Drawing. Application February 26, 1949, Serial No. 78,677

6 Claims. (Cl. 260-139)

1. The process of producing an agent effective in the plasticizing of rubber which comprises gradually adding to a highly aromatic hydrocarbon fraction consisting predominantly of methylated naphthalenes an amount of sulfur chloride from about 5 to about 40% based on the highly aromatic hydrocarbon at a temperature below about 45° C., subsequently heating the resulting mixture to complete the reaction between the sulfur chloride and the hydrocarbon and removing acid liberated in the reaction.

2,628,228

ADDITION COMPOUNDS OF ROSIN AND MALEIC ANHYDRIDE AND THEIR PRODUCTION

Ray V. Lawrence, Lake City, Fla., and Owen S. Eckhardt, Columbia, Miss., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 5, 1951, Serial No. 213,999

8 Claims. (Cl. 260-101)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A carbon tetrachloride-maleopimaric acid addition product, which can be decomposed into carbon tetrachloride and maleopimaric acid by heating at atmospheric pressure at about 120° C. to 130° C. and which melts at about 125 to 130° C.

2. A process for the separation of maleopimaric acid from the mixture produced by heating gum rosin with maleic anhydride to produce maleopimaric acid at a temperature above 90° C., which process comprises, contacting the mixture with enough carbon tetrachloride to react with substantially all of the maleopimaric acid and to dissolve the other components of the mixture, and removing and decomposing the crystals of the carbon tetrachloride-maleopimaric acid addition product by thermal decomposition into maleopimaric acid and carbon tetrachloride.

2,628,227

WATER-SOLUBLE COMPLEX OF VITAMIN E AND PLASMA PROTEINS

Stanley R. Ames, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 12, 1949, Serial No. 92,967

6 Claims. (Cl. 260-121)

1. A concentrated vitamin E-active composition comprising a substantially lipid-free plasma protein conjugated with a tocopherol, said composition being water-soluble and having an intrinsic viscosity in aqueous solution greater than the intrinsic viscosity of said substantially lipid-free plasma protein in aqueous solution before conjugation, said tocopherol being present in an amount in excess of 50 mg. per 100 grams of said composition, said composition having been obtained by effecting intimate contact between a substantially lipid-free plasma protein in aqueous solution and a tocopherol, said intimate contact having been effected by subjecting an aqueous solution of said protein to one of the steps of homogenizing said tocopherol with said aqueous solution and admixing said aqueous solution with a solution of tocopherol in an organic solvent which is miscible with said aqueous solution and substantially free of denaturing and coagulating effect on aqueous solutions of protein.

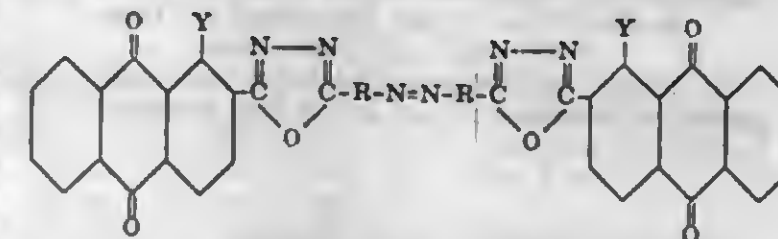
2,628,230

AZO DYES OF THE ANTHRAQUINONE SERIES

Frederic B. Stilmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 15, 1949, Serial No. 81,617

6 Claims. (Cl. 260-157)

1. The anthraquinone oxadiazole compounds of the general formula:



in which R stands for a hydrocarbon radical of the group consisting of benzene and diphenyl radicals and Y stands for a substituent of the group consisting of —NH₂ and —NO₂.

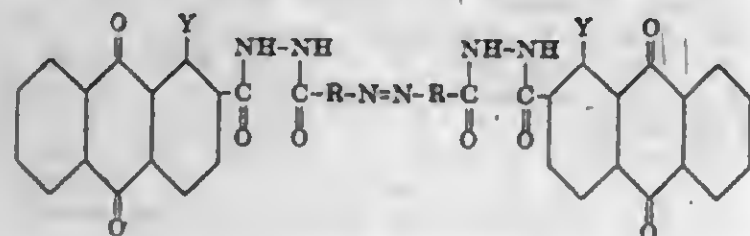
2,628,231

AZO COMPOUNDS OF THE ANTHRAQUINONE SERIES

Frederic B. Stillmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 15, 1949,
Serial No. 81,616

5 Claims. (Cl. 260—207.1)

1. The acylated anthraquinone-carbonyl hydrazines which have the general formula:



wherein R stands for a hydrocarbon radical of the group consisting of benzene and diphenyl radicals, and Y stands for a substituent of the group consisting of $-NH_2$ and $-NO_2$.

2,628,232

LOWER ALIPHATIC ACID ESTERS OF CELLULOSE

Leonard J. Rosen, East Orange, Leon Kruth, Newark, and Blanche B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1950,
Serial No. 177,972

7 Claims. (Cl. 260—230)

7. In a process for the production of secondary cellulose acetate wherein cellulose is esterified with acetic anhydride in the presence of about 7 to 20% by weight sulfuric acid based on the weight of the cellulose and acetic acid as a solvent for the cellulose acetate and the cellulose acetate is obtained in the form of a homogeneous solution upon completion of esterification, the steps which comprise adding magnesium carbonate to the homogeneous solution in an amount sufficient to neutralize about 75% of the sulfuric acid, and holding the homogeneous solution at a temperature of about 38° C. for 75 minutes to desulfurate the cellulose acetate without removing any of the acetyl groups therefrom.

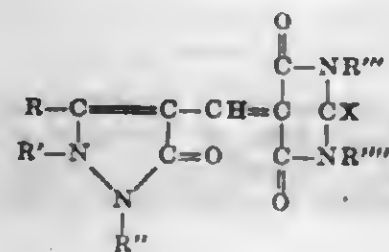
2,628,233

SUBSTITUTED AND UNSUBSTITUTED BARBITURATES AND THIOBARBITURATES OF 1,2,3-TRISUBSTITUTED PYRAZOLONES AND PROCESSES OF PRODUCING SUCH COMPOSITIONS

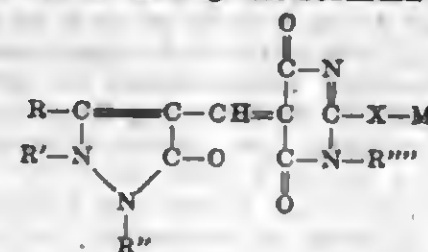
Jules H. T. Ledrut, Brussels, Belgium, assignor to Luxema S. A., Ixelles, Brussels, Belgium, a company of Luxembourg
Application December 19, 1950, Serial No. 201,626
In the Netherlands December 22, 1949

7 Claims. (Cl. 260—240)

1. A composition selected from the class consisting of compositions having the formula:

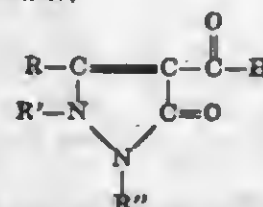


and compositions having the formula:

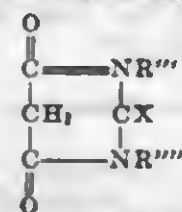


in which R is a member selected from the class consisting of lower alkyl radicals and monocyclic aryl radicals, R' is a lower alkyl radical, R'' is a monocyclic aryl radical; and R''' and R'''' are members selected from the class consisting of hydrogen, lower alkyl radicals and monocyclic aryl radicals; X is a member selected from the class consisting of oxygen and sulfur; and M is a member selected from the class consisting of alkali metals, the ammonium radical, alkylamine radicals, alkanolamine radicals, polymethylenediamine radicals and the stoichiometric equivalents of the metals of the second group of the periodic table.

2. The method of producing a condensation product of the aldehyde of a 1,2,3-trisubstituted pyrazolone with a member selected from the class consisting of malonyl-urea, malonyl-thiourea, substituted malonyl-ureas and substituted malonyl-thioureas, said method comprising reacting the aldehyde of a 1,2,3-trisubstituted pyrazolone having the formula:



with a member selected from the class consisting of malonyl-urea, malonyl-thiourea, substituted malonyl-ureas, and substituted malonyl-thioureas and having the formula:



in which R is a member selected from the class consisting of lower alkyl radicals and monocyclic aryl radicals, R' is a lower alkyl radical, R'' is a monocyclic aryl radical; and R''' and R'''' are selected from the class consisting of hydrogen, lower alkyl radicals and monocyclic aryl radicals; X is a member selected from the class consisting of oxygen and sulfur; and M is a member selected from the class consisting of alkali metals, the ammonium radical, alkylamine radicals, alkanolamine radicals, polymethylenediamine radicals and the stoichiometric equivalents of the metals of the second group of the periodic table.

2,628,234

MONO-N-TERTIARY-ALKYLMELAMINES

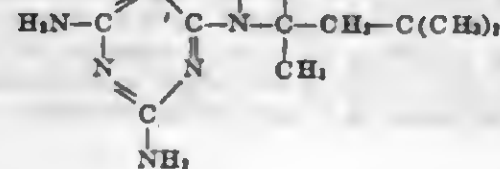
Newman M. Bortnick, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 13, 1950,

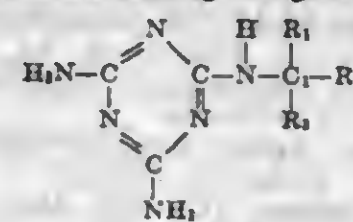
Serial No. 161,900

7 Claims. (Cl. 260—249.6)

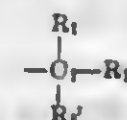
1. A compound of the formula



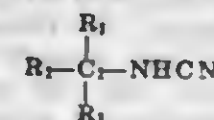
2. A process for the production of mono-substituted melamines having the general formula



in which



represents a tertiary alkyl radical wherein R1, R2, and R3 are alkyl groups and in addition R1 and R2 taken together with the tertiary atom, C1, represent a cyclic aliphatic radical which carries the alkyl substituent, R3, on the same carbon atom which is joined to the secondary amino group, $=NH$, the total number of carbon atoms in the groups represented by R1, R2, and R3 totaling three to eighteen, which process comprises reacting at a temperature of 50° to 250° C. in the presence of a strongly alkaline agent, one mole of dicyandiamide and one mole of a tertiary alkyl-cyanamide having the general formula



in which R1, R2, and R3 are identical with the same characters described above.

2,628,235

8-ARYLPURINE DERIVATIVES AND PROCESS OF PREPARING SAME

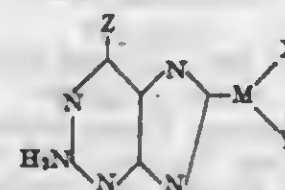
George H. Hitchings, Tuckahoe, and Gertrude B. Elion, Bronxville, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York

No Drawing. Application February 15, 1950,

Serial No. 144,395

12 Claims. (Cl. 260—252)

9. As a new compound a 2-amino-8-arylpurine having the following formula:



where M is an aryl radical selected from the class consisting of phenyl and naphthyl, Z is a substituent selected from the class consisting of chlorine, bromine, hydroxyl, amino, alkylamino, dialkylamino, arylamino, alkylaryl amino, hydrazino, thiol, alkylthio, the N-morpholino and N-piperidino radicals bound to the 6 position through the nitrogen atom, and where X is a radical selected from the class consisting of hydrogen, amino, chlorine, bromine, lower alkyl and alkoxyl and Y is selected from the group comprising hydrogen, amino, chlorine, bromine, lower alkyl and alkoxyl, carboxy, carbalkoxy and carbamido.

10. The process of forming 8-phenylpurine derivatives which comprises preparing a 2,4-diamino-5-benzamido pyrimidine, heating the product to its melting point and recovering the 8-phenylpurine derivative from the reaction product.

2,628,236

5-BENZYL-2,4-DIAMINO-6-ALKYLPYRIMIDINES AND METHOD OF MAKING THE SAME

George H. Hitchings, Tuckahoe, and Elvira A. Falco, New Rochelle, N. Y., assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York

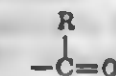
No Drawing. Application December 23, 1949,

Serial No. 134,866

3 Claims. (Cl. 260—256.4)

1. 2,4-diamino-5-(3',4'-methylenedioxy-benzyl)-6-methylpyrimidine.

2. The method for the preparation of 5-benzyl-2,4-diamino-6-alkylpyrimidines which consists in the preparation of a hydrocinnamic ester having the group



at the α position, where R is an alkyl radical, condensing the latter with guanidine followed by chlorination and amination.

2,628,237

ALKALI METAL SALTS OF ISONICOTINYL-HYDRAZINOMETHANESULFINIC ACID

Herman Herbert Fox, Passaic, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 24, 1951,

Serial No. 228,114

2 Claims. (Cl. 260—295)

1. An alkali metal salt of isonicotinylhydrazinomethanesulfinic acid which can be represented by the formula $p-C_6H_4NCONHNHCH_2SO_2M \cdot xH_2O$, wherein M represents an alkali metal and xH_2O represents a variable amount of water of crystallization.

2,628,238

(DIMETHOXYMETHYL)SUCCINIC ANHYDRIDE AND TELOMERIC PRODUCTS

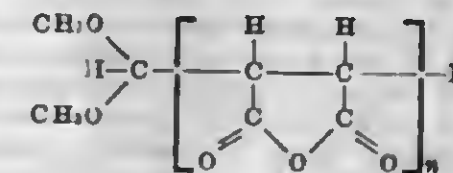
Tracy M. Patrick, Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 25, 1952,

Serial No. 273,337

9 Claims. (Cl. 260—342.4)

1. The compounds having the formula:



wherein n is an integer from 1 to 20.

2,628,239

ESTERS OF ALPHA-ACYL-ALPHA-NAPHTHO-QUINONYLSUCCINIC ACID AND PROCESS

Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

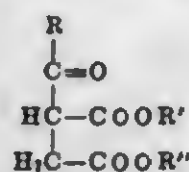
No Drawing. Application November 16, 1949,

Serial No. 127,793

8 Claims. (Cl. 260—396)

1. A compound formed by the replacement of a chlorine atom of 2,3-dichloro-1,4-naphthoquinone with the residue obtained by removing the

active hydrogen atom from a di-ester of an alpha-acylsuccinic acid, said di-ester having the formula



where R, R' and R'' are lower alkyl.

2,628,240

3-BETA-HYDROXY-5,7,9(11)-PREGNATRIENE-12,20-DIONE

Robert H. Levin, A Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application June 15, 1951, Serial No. 231,904

1 Claim. (Cl. 260-397.4)

3 - beta - hydroxy - 5,7,9(11) - pregnatriene-12,20-dione.

2,628,241

PROCESS FOR MERCURY DIARYLS

Kenneth A. Kobe and Roy T. McCutchan, Austin, Tex.

No Drawing. Application July 15, 1949,

Serial No. 105,072

5 Claims. (Cl. 260-433)

1. A process for preparing mercury diphenyl comprising the steps of dissolving phenyl mercuric acetate in a suitable solvent, precipitating phenyl mercuric sulfide by the addition of a soluble inorganic sulfide and separating the precipitate from said solution, decomposing said phenyl mercuric sulfide to mercury diphenyl and mercuric sulfide by heating said phenyl mercuric sulfide to a temperature of 110 to 125° C. for a length of time from 30 to 150 minutes, and separating said mercury diphenyl from said mercuric sulfide.

2,628,242

ORGANOSILICON COMPOSITIONS

Harold A. Clark, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application February 23, 1949, Serial No. 77,985

4 Claims. (Cl. 260-448.2)

1. A compound having the formula $\text{R}'_3\text{SiR}^1\text{SiR}^2$ where each R' is a monovalent hydrocarbon radical selected from the group consisting of phenyl and methyl radicals, and R is a di-valent organic radical selected from the group consisting of $-\text{C}_6\text{H}_4-$, $-\text{C}_6\text{H}_4\text{C}_6\text{H}_4-$ and $-\text{C}_6\text{H}_4\text{OC}_6\text{H}_4-$.

2,628,243

PREPARATION OF ORGANOCHLOROSILANES

Arthur J. Barry and John W. Gilkey, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application October 14, 1950, Serial No. 190,253. In Great Britain January 9, 1950

7 Claims. (Cl. 260-448.2)

1. The method which comprises heating a chlorosilane of the formula $\text{R}(\text{CH}_3)_n\text{SiCl}_{3-n}$ where R is an alkyl radical of at least 2 carbon atoms, and n has a value from 0 to 1, at a temperature of from 350° C. to 800° C., whereby lower all-phatic chlorosilanes are produced.

2,628,244

TRIALKYL-SILYL-CYCLOHEXANOLS AND PREPARATION THEREOF

John L. Speler, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application December 7, 1950, Serial No. 199,728

6 Claims. (Cl. 260-448.2)

1. Trialkylsilylcyclohexanols of the general formula $\text{R}_3\text{SiC}_6\text{H}_{10}\text{OH}$ in which R represents an alkyl radical.

2,628,245

TRIALKYL-SILYLADIPIC ACID

John L. Speler, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application December 7, 1950,

Serial No. 199,729

3 Claims. (Cl. 260-448.2)

1. A compound having the general formula $\text{R}_3\text{SiCH}(\text{CH}_2\text{CH}_2\text{COOH})(\text{CH}_2\text{COOH})$ in which R is an alkyl radical.

2,628,246

METHOD FOR THE PREPARATION OF UNSATURATED SILANES

Charles A. MacKenzie, East Orange, and John B. Rust, Montclair, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application March 11, 1946,

Serial No. 653,713

9 Claims. (Cl. 260-448.2)

1. A process of preparing silicane derivatives which comprises heating an organic halide having the formula $\text{X}-\text{CH}_2-\text{CR}=\text{CHR}'$ in which one of the groups R and R' is hydrogen and the other is a lower alkyl radical, and X is a halogen selected from chlorine and bromine, with a metal selected from the group consisting of magnesium and lithium, and a silicon halide selected from the group consisting of compounds having the formulas SiX_4 and $\text{R}''_2\text{SiX}_2$ where X is halogen and R'' is selected from lower alkyl and monocyclic aryl radicals.

2,628,247

ESTERS OF DI-ARYL SUBSTITUTED ACETIC ACIDS

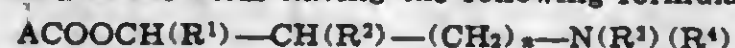
Moses Wolf Goldberg, Upper Montclair, and Sidney Teitel, East Paterson, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application April 2, 1951,

Serial No. 218,894

6 Claims. (Cl. 260-469)

1. A compound of the group consisting of 1-aryl-dialkylaminoalkanol esters of di-aryl substituted acetic acids having the following formula:



wherein A is a member of the group consisting of diphenylmethyl, diphenylhydroxymethyl and 9-fluorenyl; R¹ is a member of the group consisting of phenyl, hydroxy substituted phenyl, lower alkoxy substituted phenyl and lower carboxylic acid acyloxy substituted phenyl; R² represents a member of the group consisting of hydrogen and lower alkyl; R³ stands for lower alkyl; R⁴ stands for a member of the group consisting of lower alkyl and lower dialkylaminoalkyl; n stands for a member of the group consisting of 0 and 1, and the salts thereof.

2,628,248

1-ALKYL-2-PHENETHYL-6-SUBSTITUTED-CYCLOHEXANONE-3-COMPOUNDS AND PROCESS OF PREPARING SAME

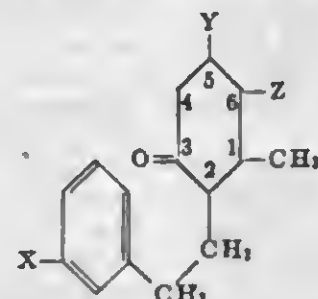
John A. Hogg, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application October 18, 1951,

Serial No. 251,989

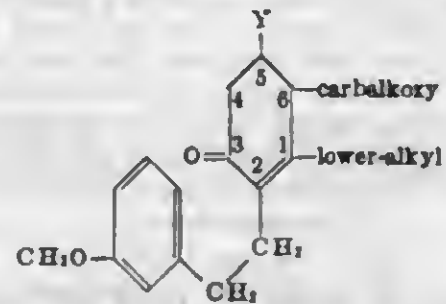
10 Claims. (Cl. 260-473)

1. A 1 - methyl-2-(meta-X-phenethyl) -5-Y-6-Z-cyclohexanone-3 of the formula:

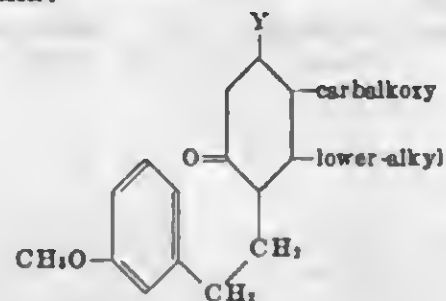


wherein: X is selected from the group consisting of methoxy and hydroxy; Y is selected from the group consisting of hydrogen and lower-alkyl; and Z is selected from the group consisting of carboxy and carbalkoxy.

5. The process which includes: hydrogenating, under a pressure of hydrogen and with a hydrogenation catalyst, the olefinic double bond of a compound of the formula:



wherein: Y is selected from the group consisting of hydrogen and lower-alkyl, until about one mole of hydrogen is absorbed, to produce a compound of the formula:



wherein Y has the value given below the previous formula.

2,628,249

ESTERIFICATION PROCESS

Anthony J. Bruno, Jr., Pittsburgh, Pa., assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application January 3, 1951,

Serial No. 204,285

12 Claims. (Cl. 260-475)

12. In the process for the production of esters, the step which comprises condensing a material from the group consisting of carboxylic acids and anhydrides thereof with an alcohol in the presence of a catalyst comprising a mixture of (1) a sulfur-containing acid from the group consisting of sulfuric and sulfonic acids, and (2) activated carbon.

2,628,250

TERTIARY ESTER

Walter Kimel, Highland Park, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application June 5, 1951,

Serial No. 230,075

2 Claims. (Cl. 260-483)

1. The compound t-vinylisopropyl acetoacetate.

2,628,251

3,7,11-TRIMETHYL-1-DODECEN-3-YL ACETOACETATE AND THE PREPARATION THEREOF

Walter Kimel, Highland Park, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application July 18, 1952,

Serial No. 299,739

2 Claims. (Cl. 260-483)

1. 3,7,11-trimethyl-1-dodecen-3-yl 3-oxobutanoate.

2,628,252

PREPARATION OF MONOMERIC OPEN-CHAIN DELTA, EPSILON-UNSATURATED CARBONYL COMPOUNDS

Charles J. Albisetti, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 7, 1950,

Serial No. 199,723

13 Claims. (Cl. 260-486)

1. A process for the addition of one mole of a mono-olefin having from 3 to 8 carbon atoms to one mole of an alpha,beta-unsaturated carbonyl compound consisting solely of hydrocarbon other than the group containing the carbonyl function and having from 3 to 12 carbon atoms through the beta carbon atom thereof to form a monomeric open-chain delta, epsilon-unsaturated carbonyl compound, which comprises heating at a temperature of 300° to 350° C. for a period of time not more than 15 minutes a reaction mixture free from a catalyst and containing said alpha,beta-unsaturated carbonyl compound and at least two molar equivalents of said mono-olefin, then separating from said reaction mixture a monomeric open-chain delta,epsilon-unsaturated carbonyl compound as the resulting product.

2,628,253

FLUOROCARBON ACYL SULFURIC ACIDS

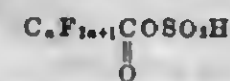
John F. Dowdall, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application May 19, 1951,

Serial No. 227,269

2 Claims. (Cl. 260-545)

1. As useful and novel compounds, the perfluoroalkyl acyl sulfuric acids having the formula:



where n has an integer value of 1 to 3.

2,628,254

PROCESS OF PRODUCING AMINO ACETALS

John W. Copenhaver, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 13, 1948,

Serial No. 59,974

5 Claims. (Cl. 260-584)

1. A process for the production of amino acetals from chloro acetals which comprises heating

to a temperature of from 120–130° C. and at superatmospheric pressure; β -chloro di-lower alkyl acetal of acetaldehyde and a substantial excess of anhydrous ammonia in a non-solvent for ammonium chloride selected from the group consisting of benzene, saturated aliphatic and cycloaliphatic alcohols of from 4 to 6 carbon atoms and lower di-alkyl ethers.

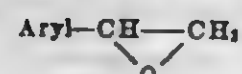
2,628,255

PRODUCTION OF ARYLACETALDEHYDES
Arthur R. Sexton and Edgar C. Britton, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application January 2, 1951,
Serial No. 204,081

4 Claims. (Cl. 260–599)

1. A method for the production of a monoaryl-acetaldehyde which comprises passing vapors of a monoarylethylene oxide, having the general formula:



wherein aryl represents a monovalent aromatic hydrocarbon radical of the benzene series, into contact with a magnesium silicate catalyst at a reaction temperature between 200° and 400° C.

2,628,256

PREPARATION OF AROMATIC ALDEHYDES
Tod W. Campbell, Orinda, and Galvin M. Copping, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application June 8, 1951,
Serial No. 230,678

8 Claims. (Cl. 260–599)

(Granted under Title 35, U. S. Code (1952),
sec. 266)

1. A process for preparing aromatic aldehydes which comprises reacting at a temperature from about 25° C. to about 100° C. an aromatic methyl halide with an alkali metal salt of an organic hydroperoxide.

2,628,257

PRODUCTION OF UNSATURATED ALDEHYDES

Raymond I. Hoaglin and Donald H. Hirsh, South Charleston, W. Va., assignors to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application November 9, 1950,
Serial No. 194,935

8 Claims. (Cl. 260–601)

1. Process for making unsaturated aldehydes which comprises reacting a saturated aliphatic aldehyde in the presence of a Friedel-Crafts type catalyst with a 1-alkenyl alkyl ether to form an intermediate addition product, hydrolyzing the intermediate addition product, and recovering an unsaturated aldehyde, having a greater number of carbon atoms than the saturated aldehyde, from the hydrolysis products.

2,628,258

PRODUCTION OF TERPINEOL

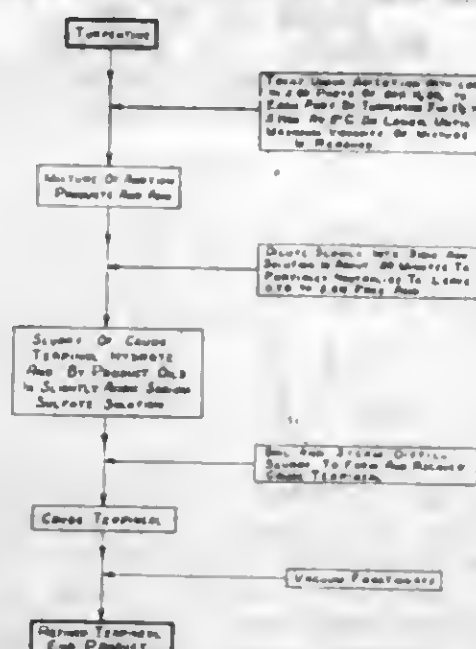
Junius E. Sapp and Wilbur F. Gillespie, Bogalusa, and Paul A. McKim, Baton Rouge, La., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Continuation of application Serial No. 141,909,
February 2, 1950. This application December
12, 1951, Serial No. 261,302

6 Claims. (Cl. 260–631.5)

3. The process of producing terpineol from tur-

pentine comprising mixing turpentine in the weight ratio of one part thereof with about 1.08 to 2.88 parts of sulphuric acid basis of 100 per cent at a concentration of about 55 to 65 per cent, at a temperature of 0° to 5° C. and within about 1½ hours to 3 hours to form a reaction therebetween, said reaction continuously producing crude terpineol hydrate dissolved in the acid mixture



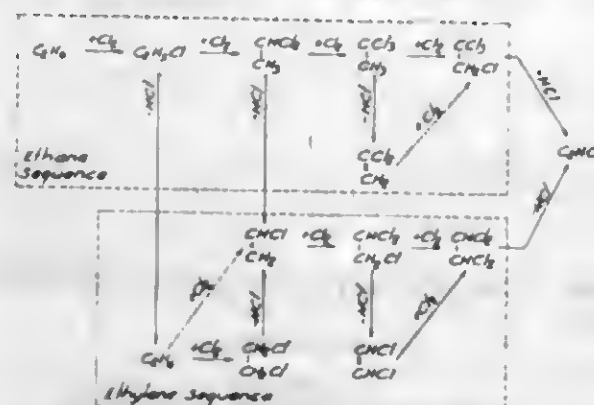
gradually up to maximum viscosity, introducing the mixture at its maximum viscosity directly into an alkali solution thus forming a slurry consisting of a free acid, terpineol hydrate and a concentrated aqueous salt solution, the free acid in the slurry being of the range of from approximately 0.7 N to 2.6 N, boiling the slurry to dehydrate the terpineol hydrate and form crude terpineol, and recovering the crude terpineol from the slurry.

2,628,259

PROCESS OF MAKING VINYLIDENE CHLORIDE AND VINYL CHLORIDE

Philip H. Dirstine, Saratoga, and Eldred L. Dance, Pittsburg, Calif., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application November 6, 1947, Serial No. 784,476
6 Claims. (Cl. 260–654)



1. A process of making vinylidene chloride and vinyl chloride, which comprises adding chlorine and an inert diluent gas or vapor to a hydrocarbon gas consisting of ethane or a mixture of ethane and ethylene containing more than 50 per cent of ethane, the mol ratio of chlorine to hydrocarbon being in accordance with the formula,



in which x has a value from 1.9 to 3.0, and the volume of the diluent is sufficient to control the subsequent reaction temperature within the pre-

scribed limits under the reaction conditions, passing the gaseous mixture through a reaction zone maintained at a temperature between 450° and 600° C. at a flow rate such as to provide an average residence time of at least 0.5 second for the gases in said zone, and separating vinylidene chloride and vinyl chloride from the reaction product.

2,628,260

CATALYZED AND CONTINUOUS ADDITION CHLORINATION OF BENZENE

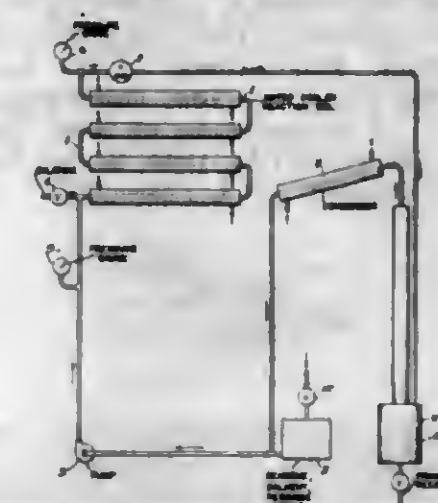
Edgar C. Britton, Francis N. Alquist, and Kenneth C. Kauer, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application May 31, 1949, Serial No. 96,188

4 Claims. (Cl. 260–648)

1. The method which comprises introducing benzene continuously to a circulating stream of a liquid halogenated lower aliphatic hydrocarbon selected from the class consisting of methylene chloride, methylene bromide, methyl chlorobromide, chloroform, ethylidene chloride, ethylene chloride, ethylene chlorobromide, and mixtures thereof, in a ratio to provide in said stream from 99 to 4 per cent of benzene and from 1 to 96 per cent of the halohydrocarbon, and mixing the benzene in said stream continuously with chlo-

rine in the dark, in the presence of catalytic amounts of an organic peroxide, at a reaction temperature maintained in the range from 5° to 40° C., and under a super-atmospheric pressure of 10 to 30 pounds, maintaining the moving re-



actants under said conditions for at least 10 minutes, separating the resulting mixture of benzene hexachloride isomers from the halohydrocarbon, and recycling the latter with catalyst and fresh benzene to the reaction zone.

ELECTRICAL

2,628,261

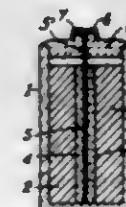
DRY ELECTRIC BATTERY

Rodolfo Rodriguez Balaguer,
Union de Reyes, Cuba

Application October 28, 1950, Serial No. 192,660

In Cuba May 19, 1950

1 Claim. (Cl. 136–103)



A dry electric battery comprising an outer carbon container forming the positive pole of the battery and having a bottom integral therewith, two solid portions of depolarizing material, each having a circular segment cross-section and a vertical face, both portions being in contact with the inner surface of the cylindrical wall and the bottom of the outer container and spaced apart, forming therebetween an open space between said vertical faces, an electrolytic stuffing lodged within said space, a vertical zinc sheet inserted in the center of said stuffing to form the negative pole of the battery in a position parallel to the plane vertical faces of the two portions of the depolarizing material, the upper end of said sheet extending slightly above the level of the top edge of the container, a plastic cover obturating and sealing the top opening of said container and apertured to receive the upper end extension of the zinc sheet, and a metallic ferrule secured to the upper end of the zinc extension above the cover to form the outer negative contact of the battery.

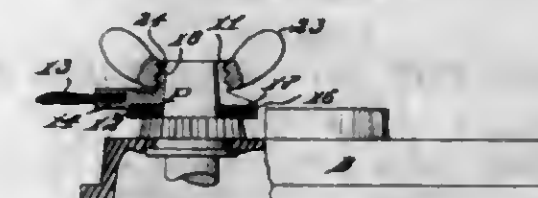
2,628,262

BATTERY CONNECTOR

Joseph J. Paterno, Salem, Mass.

Application January 20, 1948, Serial No. 3,292

3 Claims. (Cl. 173–259)



1. A connector for joining an electrical conductor to a terminal post comprising a hollow sleeve member of an electrically conducting material having an aperture for engaging said post, a rigid integral flange extending radially from the lower end of said sleeve, the bottom surface of said flange lying in a plane substantially normal to the axis of said aperture, the upper surface of the flange being angularly disposed with respect to its bottom surface so as to increase the axial stiffness of the flange, connecting means for securing said conductor to said flange, said sleeve member and flange having a longitudinal slot extending therethrough, means for compressing the sleeve member to clamp the member to the battery post, the bottom surface of the flange being stepped inwardly to form a cylindrical recess adjoining the lower end of the post aperture, and a foraminous washer of a nonconducting material impregnated with an anticorrosion material, said washer being disposed in said recess with its inner diameter engaging the post, said flange being provided with an aperture extending lengthwise therethrough on either side of said longitudinal slot for renewing the anticorrosion material in said washer without the necessity of removing the connector from the post, said apertures extending outwardly to the

edge of said flange permitting the flange to yield circumferentially as the connector is clamped to the post.

2,628,263

QUICK DETACHABLE CONNECTOR FOR INTERCONNECTING TERMINALS

James J. Bulla, Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1948, Serial No. 67,162
4 Claims. (Cl. 173-328)

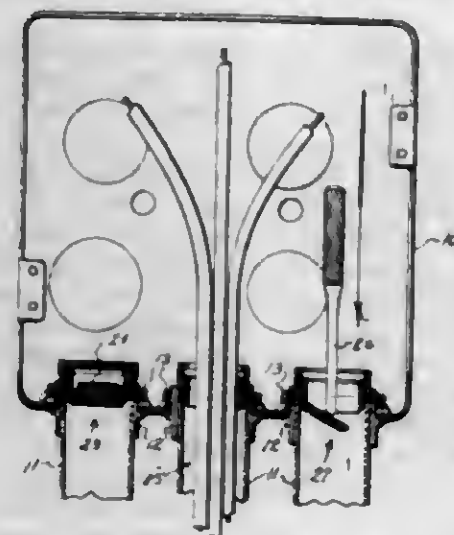


1. In a quick detachable electrical connector, a pair of similar and interchangeable dielectric blocks, one of said blocks being stationary and the other portable, a plurality of contacts molded in each of said blocks, means associated with each contact for detachably fastening a conductor to the contact, a plurality of projecting barrier ribs formed in the top of each block and extending transversely thereof between each contact, a spring member secured to each contact on the underside of the portable block by an insert attached to the member immediately below the contact, said spring members having a zigzag-shaped portion with a lug formed thereon, and loosely held means in the portable block for clamping the blocks together whereby the lugs of the spring members are forced to wipe a portion of the molded contacts in the stationary block to electrically interconnect the contacts in the portable block with the corresponding contacts in the stationary block.

2,628,264

COMBINED PIPE PLUG RECEPTACLE AND INSULATOR

Ray R. Esher, Collingdale, Pa.
Application April 4, 1951, Serial No. 219,282
2 Claims. (Cl. 174-65)



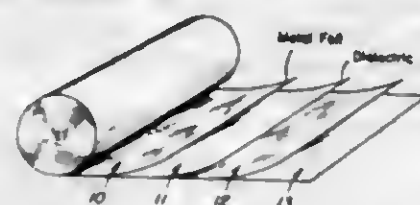
1. A combined seal and insulator for electrical conduits comprising a hollow plug formed of flexible dielectric material adapted for removable positioning within an end portion of the conduit, said plug comprising an annular body portion having a head end, and a closure fitted within and bodily removable from said head end, said head end and closure having opposing faces complementally formed to provide a sealing engagement, the wall thickness of the head end being such as will permit deformation of the circular

contour under pressure applied transversely of the plug axis to squeeze the closure in releasing direction for removal of the closure.

2,628,265

SULFOLANES AS DIELECTRIC MATERIAL

Warren F. Busse and Hugh R. Davidson, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application February 27, 1948, Serial No. 11,544
9 Claims. (Cl. 175-41)

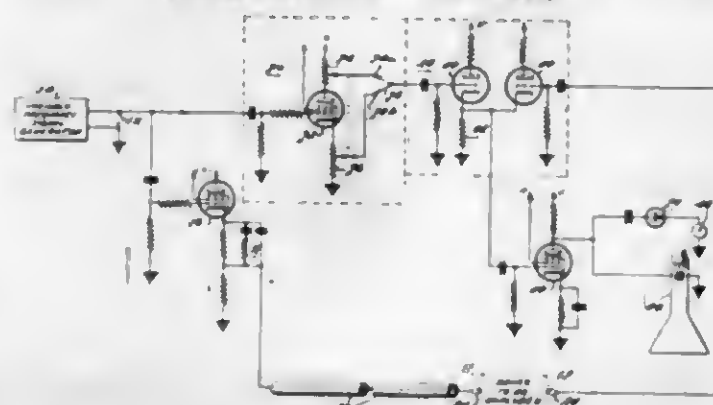


1. In an electrical condenser comprising electrically conducting members separated by dielectric material and wherein the dielectric material separating the electrodes comprises a liquid organic dielectric material, the improvement which comprises employing as said liquid organic dielectric material a liquid sulfone material selected from the group consisting of normally liquid sulfolanes and mixtures of such normally liquid sulfolanes with known aromatic sulfone dielectrics which mixtures contain at least 25% of a normally liquid sulfolane.

2,628,266

ANALYSIS OF SIGNAL TRANSFER DEVICES

Alfred C. Schroeder, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1949, Serial No. 72,248
9 Claims. (Cl. 175-183)



5. Apparatus for determining the phase delay characteristic and the amplitude response characteristic of a signal transfer device having a pre-determined frequency pass-band and having input and output points, said apparatus comprising a signal input portion adapted to be connected to a source of variable frequency signals, signal delay means having a substantially constant phase delay characteristic as to signals of any frequency within said frequency pass-band, said delay means being coupled to said input portion of said apparatus and being adapted to be coupled to said input point of said device, a phase reversing network having an input section coupled to said input portion of said apparatus and having two output sections adapted to provide opposed-phase signals, means for varying the magnitude of said opposed-phase signals at said output sections of said reversing network, a signal mixing network having two input sections and an output section, switching means for selectively coupling one of

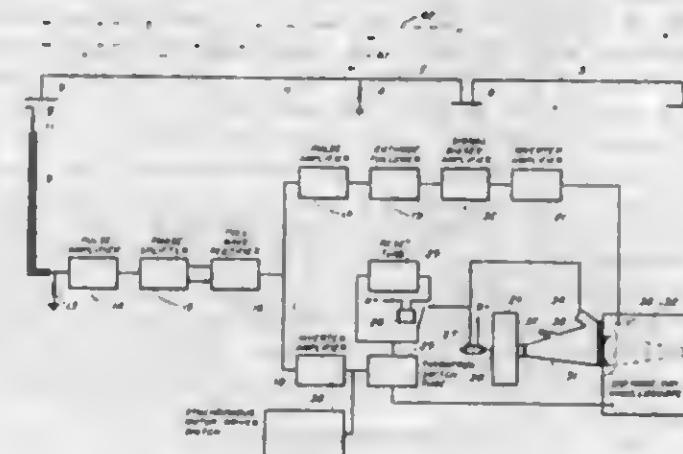
said input sections of said mixing network to either of said output sections of said reversing network, the other of said input sections of said mixing network being adapted to be coupled to said output point of said device, and measuring means coupled to said mixing network for determining the amplitude of signals at said output section of said mixing network.

2,628,267

ELECTRIC LINE FAULT LOCATORS

Theodore W. Stringfield, Portland, Richard F. Stevens, Oswego, Lyman R. Spaulding, Portland, and Warren V. Behrens, Rainier, Oreg., assignors to the United States of America as represented by the Secretary of the Interior
Application March 31, 1949, Serial No. 84,666
5 Claims. (Cl. 175-183)

(Granted under Title 35, U. S. Code (1952), sec. 266)



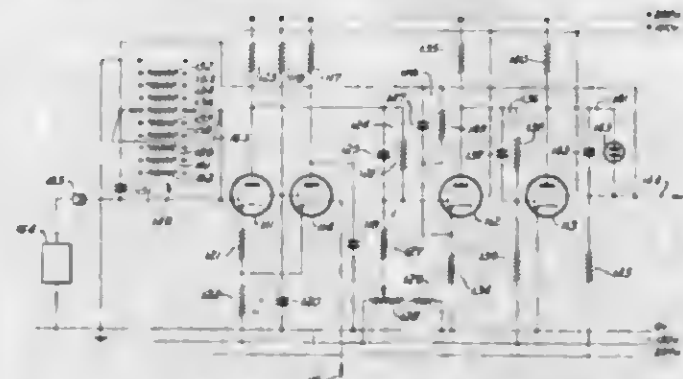
2. In combination, a transmission line, an indicating means coupled to said line at one point only, a time base circuit connected to said indicating means, said time base circuit being coupled to said line at said one point and arranged to be energized by the arrival of a surge pulse at said point to provide a single operation of said time base cycle, recording means associated with said indicating means and arranged to record the time between the arrival of said point of a surge pulse caused by a fault and reflections thereof.

2,628,268

AMPLIFIER CIRCUIT FOR TESTING

Quentin A. Kerns, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Original application June 19, 1947, Serial No. 755,794. Divided and this application October 4, 1949, Serial No. 119,539

3 Claims. (Cl. 175-183)



1. In apparatus for measuring current-voltage characteristics, the combination comprising an amplifier having an input and an output, a first

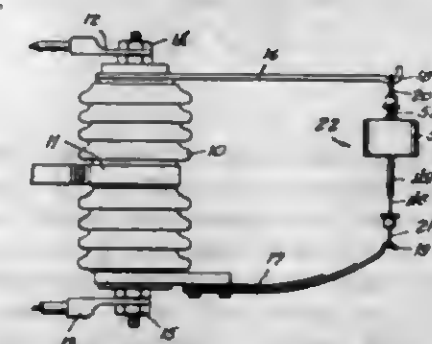
and second vacuum tube, each of said tubes having at least a cathode, a control grid, and an anode, two equal resistances for connecting the anodes of the respective tubes to a positive voltage, a common resistance connecting said cathodes to a negative voltage, the anode of said second tube being connected to the input of said amplifier, a negative feedback circuit for connecting the output of said amplifier to the control grid of said second tube, and a device having characteristics which it is desired to determine connected between the control grid of said second tube and a neutral voltage, whereby a voltage proportional to the current through said device appears at the output of said amplifier each time a linearly varying voltage is applied to the control grid of said first tube.

2,628,269

CIRCUIT INTERRUPTER

Charles L. Stroup, Oak Park, Ill.

Application September 28, 1947, Serial No. 776,341
5 Claims. (Cl. 175-294)



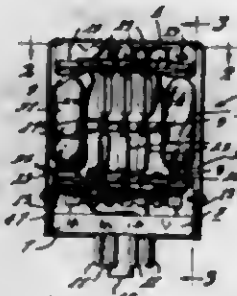
4. In a protective device of the class described, in combination, a thermally rupturable fuse element for connection in series with the primary winding of a distribution transformer and adapted when thermally ruptured on the occurrence of a fault in the transformer or in the circuit connected to its secondary winding directly to disconnect the primary winding of the distribution transformer from a high voltage energizing circuit, said fuse element having a current carrying capacity substantially greater than the dangerous load current rating of the primary winding of the distribution transformer, a current transformer having a primary winding connected in series with said fuse element for connection of both said fuse element and the primary winding of said current transformer in series with the primary winding of the distribution transformer, said current transformer having a secondary winding, a metallic heater link connected in circuit with the secondary winding of the current transformer and positioned adjacent to said fuse element, said current transformer and heater link being of a character whereby thermally to rupture said fuse element on duration of a fault in the distribution transformer or in the circuit connected to its secondary winding for a time interval in excess of that which would be required thermally to rupture a fuse connected in series with the primary winding of the distribution transformer and having a current carrying capacity less than the dangerous load current carrying capacity of the distribution transformer, the current-time characteristic of the fuse element being less by substantially the same amount than that of the distribution transformer, the metallic heater link being connected across the secondary winding of the current transformer, and a conductor for connection into the circuit of the primary winding of the distribution transformer and held to

the metallic heater link by the fuse element, said conductor being releasable from the heater link on rupture of the fuse element to draw an arc therebetween while the heater link maintains a short circuit across the secondary winding of the current transformer.

2,628,270

ELECTRICAL PLUG-IN ASSEMBLY

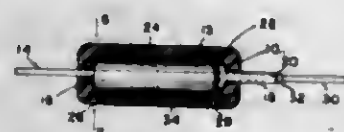
Robert N. Himmel, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1950, Serial No. 158,973
6 Claims. (Cl. 175-298)



1. A structure for supporting electrical components comprising a plurality of flat frame members, means for mounting certain ones of said frame members in spaced, parallel relation to each other, said certain frame members being formed with openings and with channels communicating with said openings for slidably receiving the remainder of said frame members, said channels being aligned and arranged to support said remainder frame members in transverse relation to said certain frame members.

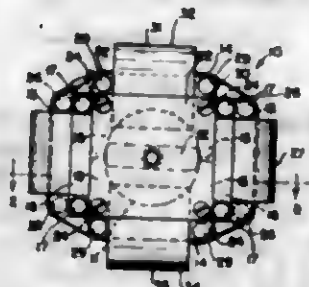
2,628,271

MOLDED ELECTROLYTIC CAPACITOR
Harold E. Brafman, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application July 11, 1950, Serial No. 173,111
6 Claims. (Cl. 175-315)



1. A vented molded tubular electrolytic capacitor consisting essentially of a convolutely wound electrolytic capacitor section, an electrically conducting terminal lead connected to one electrode of said section, and an electrically conducting eyelet connected to the other electrode of said section and having an opening therein for the impregnation of electrolyte, a molded thermo-setting resin casing enclosing said section but leaving the eyelet opening exposed, at least one electrolyte-impervious yieldable gas discharge barrier in said casing and in contact with the section to provide for the safe escape of gas from said capacitor, the interior of said capacitor being impregnated with electrolyte said opening in said eyelet being sealed, and an electrically conducting terminal lead being conductively connected to said eyelet.

2,628,272
ELECTROMAGNETIC ACTUATOR
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 27, 1950, Serial No. 152,053
5 Claims. (Cl. 175-335)

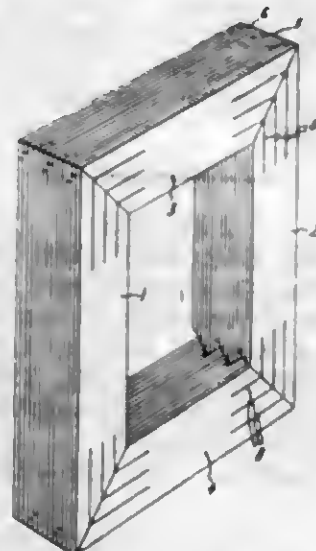


1. In a device of the class described, in a magnetic frame member, a plurality of pole piece members of magnetic material mounted in said frame members each having curved pole faces to form a circular gap, a pair of polarizing core members with polarizing windings thereon each mounted to be common with a pair of said pole piece members, a pair of controlling core members each mounted to be common with a pair of said pole piece members not common to the same polarized core member, a pair of control windings each mounted in part on both of said controlling core members, and adapted to be selectively and independently energized with D. C. power, and a bar type rotor positioned within said air gap with its extremities located adjacent to the pole piece members common to the same polarizing core member.

2,628,273

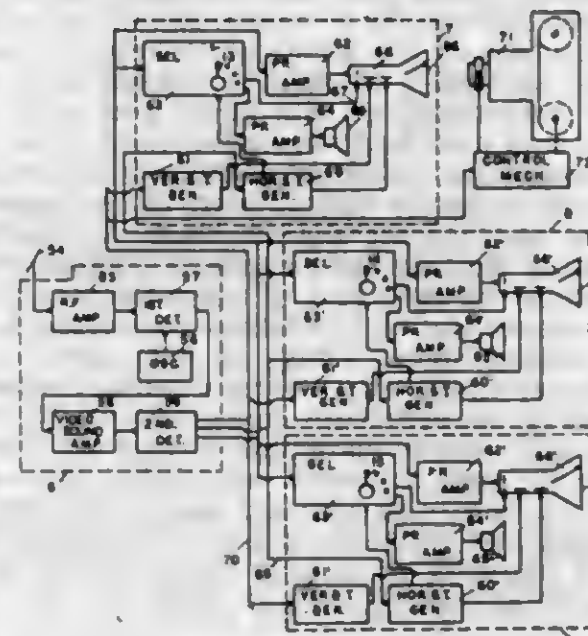
MAGNETIC CORE

Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 17, 1948, Serial No. 65,939
6 Claims. (Cl. 175-356)



1. A magnetic core for electric induction apparatus, a yoke portion and a leg portion each comprising a plurality of laminations of magnetic material having a most favorable magnetic direction coinciding with the lengthwise direction of the laminations, said yoke and leg portions each having an end abutting the other which together form an angular core joint, the ends of the laminations in said joint being beveled at an angle to their length which is half the angle of said joint, and a plurality of spaced slits in the ends of said laminations extending from said joint parallel to the most favorable magnetic direction of said laminations.

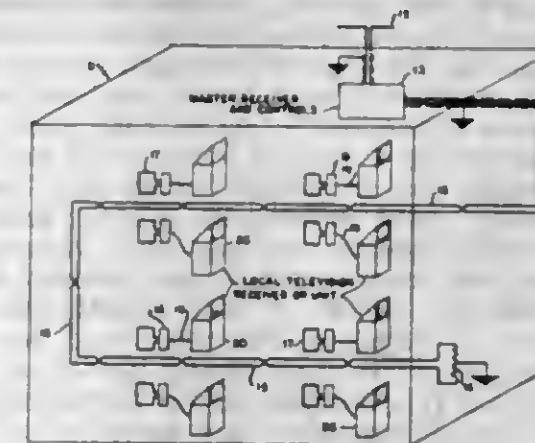
2,628,274
MULTIPLEX TELEVISION SYSTEM
John H. Homrighaus, Oak Park, Ill.
Application February 20, 1946, Serial No. 648,993
29 Claims. (Cl. 178-5.6)



16. In a communication system, a transmitting station, means associated with said station to produce a carrier wave, a plurality of transmitter channel equipments associated with said station, each of the said channel equipments comprising a cathode ray tube to produce picture signals representative of subject matter or a scene and a microphone to produce message signals representative of an audible message to accompany said picture signals, generator means associated with said station to produce sawtooth timing waves and synchronizing signals to control the duration of the sawtooth timing waves, first selecting means forming a part of each of the said channel equipments, each of the said selecting means comprising a manually adjustable multi-position member, means controlled by said timing waves to select different pairs of recurrent periods of time, according as said members are adjusted to different positions, to control modulation of said carrier wave with said picture signals and said message signals, picture signal modulation for each different subject matter or scene occurring during a first recurrent period in each pair and the accompanying message signal modulation occurring during the second recurrent period in each pair, means to transmit said carrier wave modulated with said picture signals, message signals and synchronizing signals, a receiving station to receive said signals, generator means associated with said receiving station under control of said received synchronizing signals to produce other sawtooth timing waves, a plurality of receiver channel equipments associated with said receiver station, each of the said receiver channel equipments comprising a cathode ray viewing tube and a signal device, second selecting means forming a part of each of the said receiver channel equipments, each of the said second selecting means comprising a manually adjustable multi-position member, means controlled by said other saw tooth timing waves to select said pairs of recurrent periods, according as said second members are adjusted to different positions, to supply received picture signals for a desired subject matter or scene to each of the said cathode ray viewing tubes for image reproduction of the desired subject matter or scene and to supply said received message signals to said signal devices

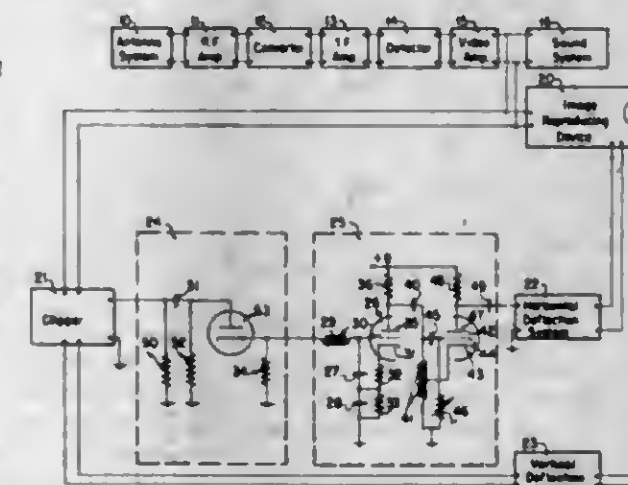
for audible reproduction of the message to accompany the images appearing on each of the said viewing tubes.

2,628,275
RADIO AND TELEVISION DISTRIBUTION SYSTEM FOR HOTELS AND APARTMENT HOUSES
Louis W. Parker, Little Neck, N. Y.
Application February 25, 1948, Serial No. 10,636
5 Claims. (Cl. 178-5.8)



1. A radio and television distribution system for multiple dwelling buildings and the like, comprising a transmission line carried by the building, extending along floors at different levels, said line consisting of a pair of spaced conductors transposed at a number of points on each level, so as to cancel out signals at a distance from said line while allowing signals to be picked up from said line at short distances, means for receiving radio and television signals, means for changing the frequency thereof, while maintaining it in megacycles, means for applying said signals of changed frequency to said line, and receivers having pick-up loops located adjacent transposition points in said line, within the area where signal cancellation does not occur.

2,628,276
SYNCHRONIZING PULSE DIFFERENTIATING AND RECTIFYING CIRCUIT
Kurt Schlesinger, Maywood, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application July 20, 1949, Serial No. 105,847
2 Claims. (Cl. 178-7.3)



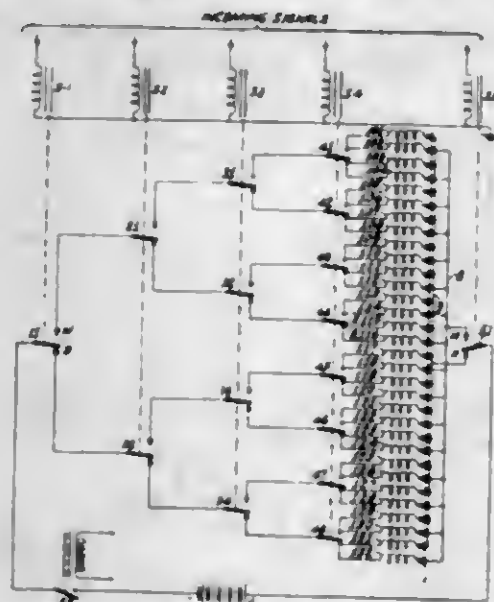
2. In a television receiver including means for deriving a synchronization signal including horizontal synchronization pulses having a predetermined duration and a given repetition rate interspersed with intermittent vertical synchronization pulse serrations having a longer dura-

tion and equalizer pulses having a shorter duration, with the vertical pulse serrations and equalizer pulses having a repetition rate twice that of said horizontal synchronization pulses and with the leading edge of the first equalizer pulse being alternately in phase and 180° out of phase with the leading edges of said horizontal synchronization pulses on alternate occurrence of said intermittent pulses, the combination including, a differentiating circuit having a time constant no longer than said equalizer pulses for producing pulses of one polarity of coequal short duration at the leading edges of all said synchronization pulses, said differentiating means including condenser means and first resistor means connected in series across the synchronization signal deriving means, and rectifying means and second resistor means connected in series with each other and connected as a unit in series with said condenser means and in parallel with said first resistor means, said condenser means and said second resistor means having such values that the pulses produced across second resistor means at the leading edges of said synchronization pulses have a duration less than said equalizer pulses, said first resistor means having a value to discharge said condenser means between pulses, said rectifier eliminating the opposite polarity pulses produced at the lagging edges of said synchronization pulses, whereby pulses occurring at horizontal frequency are maintained during the occurrence of said intermittent pulses, and pulses having a repetition rate twice said horizontal frequency are of short duration, a sine wave oscillator having a natural frequency equal to the frequency of said horizontal synchronization pulses, means coupling said oscillator to said second resistor for locking said oscillator with the pulses of horizontal frequency, and second differentiating means connected to said sine wave oscillator for producing a pulse wave including pulses occurring at horizontal frequency only.

2,628,277

RELAY TYPE SELECTING CIRCUIT ARRANGEMENT

James Albert Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1949, Serial No. 134,193
5 Claims. (Cl. 178-33)



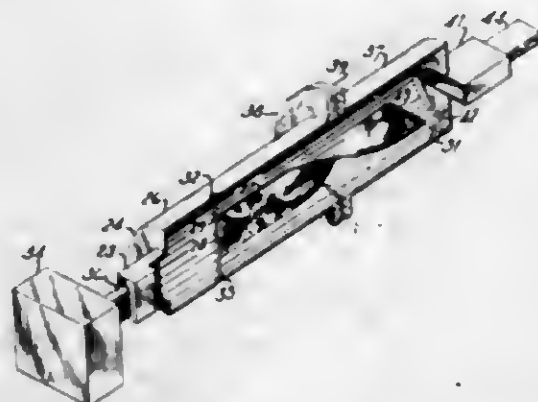
5. A code translator circuit arrangement including a single direct current energizing circuit, a plurality of signal relays having cascaded contact assemblies comprising a first signal input relay having a contact assembly comprising an armature connected to one end of said single

energizing circuit and front and back contacts associated with said armature, an intermediate signal input relay having a contact assembly comprising armatures connected to the front and back contacts of the preceding signal input relay and having front and back contacts associated therewith, a plurality of output signal relays having terminals of the windings thereof connected in pairs, said pairs of input terminals being connected individually to the front and back contacts of said intermediate signal input relay contact assemblies, rectifier elements individually connected in series circuit with the windings of each of said output signal relays, a conductor connecting the rectifiers connected to an output signal relay of each pair of output signal relays, a bus connecting the rectifiers connected to the other output signal relays of each pair and a final signal input relay having a contact assembly comprising an armature connected to the other end of said single energizing circuit and having front and back contacts associated therewith, said front and back contacts being connected to said conductor and said bus to energize one only of said plurality of output signal relays in response to actuation of said signal input relays.

2,628,278

APPARATUS FOR ROTATING MICROWAVE ENERGY

John F. Zaleski, Valhalla, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application September 20, 1951, Serial No. 247,518
1 Claim. (Cl. 178-44)



A device for rotating the plane of polarization of microwave energy comprising, a first section of hollow metal circular wave guide, a second section of hollow metal circular wave guide, a rotatable joint connecting said first and second sections of hollow wave guide in axial alignment, a flexible conductive longitudinal septum contained within said first and second wave guides comprehending said axis and positioned symmetrically therewith, one end of said septum being diametrically fixed at the distal end of said first section and the other end of said septum being diametrically fixed at the distal end of said second section.

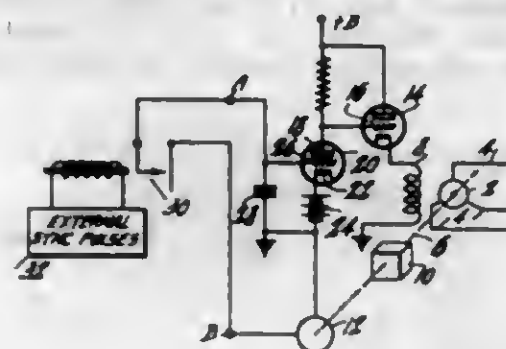
2,628,279

AUTOMATIC PHASE CONTROL CIRCUIT

John H. Roe, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1949, Serial No. 84,705
7 Claims. (Cl. 178-69.5)

1. A phase shift system comprising a source of a first group of pulses, a synchronous motor, a direct current field winding associated with said synchronous motor, means for supplying direct

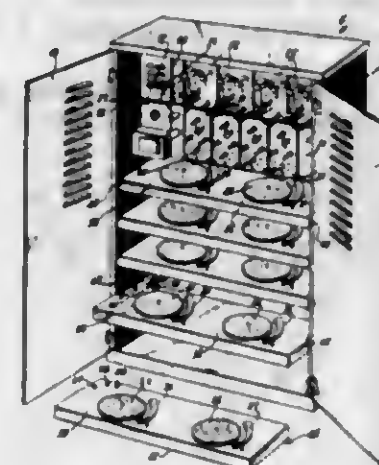
current to said winding, means for generating another group of pulses in constant phase relationship with the rotation of said synchronous motor, a means for developing an output control voltage having a magnitude determined by the phase re-



lationship between said two groups of pulses, and a means for utilizing said control voltage to vary the current in said winding in such manner as to maintain the phase between the two groups of pulses at a constant value.

2,628,280

COIN OPERATED ENTERTAINMENT SYSTEM
Forrest E. Wilson, Los Angeles, Calif., and Scott E. Allen, Verona, N. J., assignors of one-half to Solotone Corporation, Los Angeles, Calif., a corporation of California, and one-half to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application January 26, 1949, Serial No. 72,862
4 Claims. (Cl. 179-6.3)



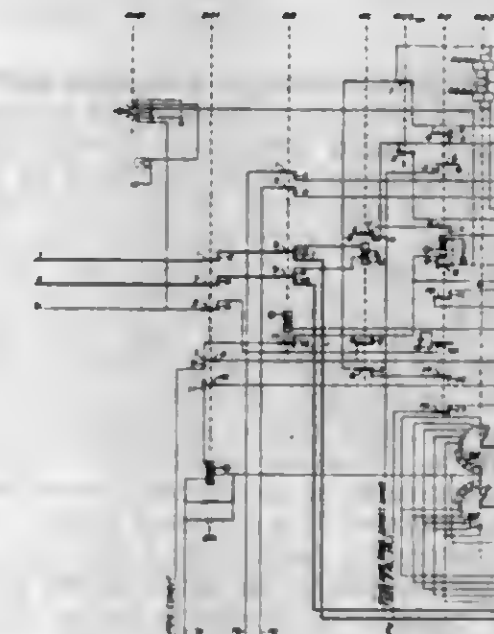
1. In combination in a coin operated entertainment system, a main entertainer unit including a plurality of playback units each adapted to provide a selection, a plurality of coin operated sound reproduction units at spaced locations, at least one of the reproduction units including switch means to select any one of the playback units to reproduce a selection at that reproduction unit irrespective of the selection being played at any other reproduction unit, metering means responsive to the insertion of a coin to limit the time during which the selector switch means is operative, and reset means for at least one playback unit to return the playback unit to its starting condition, the

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2,628,281

REVERTING CALL CIRCUIT

Frank A. Morris, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application June 21, 1949, Serial No. 100,373, which is a division of application Serial No. 743,415, April 23, 1947. Divided and this application June 5, 1950, Serial No. 166,161
4 Claims. (Cl. 179-17)



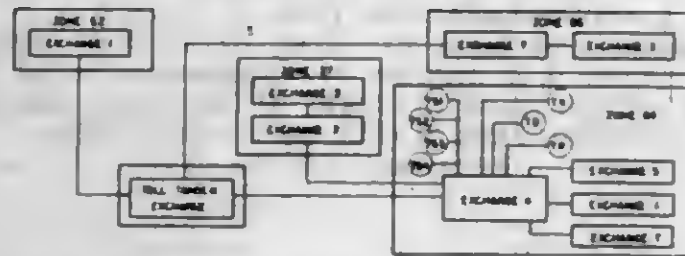
1. In a telephone system having a multiparty line including a plurality of sub-stations connected thereto, an impulse transmitting dial at each substation, a reverting call circuit, and automatic switching means including said circuit for establishing a reverting call connection between substations on said line; said reverting call circuit comprising a first relay, a second relay, a plurality of sources of different ringing signals, a first ringing signal selecting switch, a second ringing signal selecting switch, means responsive to the dialing of a predetermined digit for causing the seizure of said reverting call circuit, means responsive to said seizure for energizing both of said relays, means dependent upon the energization of both of said relays and responsive to the receipt thereafter of a first station selecting digit for operating said first signal selecting switch to select one of said signal sources, means responsive to the termination of said first station selecting digit for releasing said first relay, means dependent upon the energization of said second relay and the release of said first relay and responsive to the receipt thereafter of a second station selecting digit for operating said second signal selecting switch to select another of said signal sources, means responsive to the termination of said second station selecting digit for releasing said second relay, means responsive to the release of said second relay for re-operating said first relay, a ringing relay, and means responsive to hanging up or replacing the receiver at the calling substation and the re-operation of said first relay for energizing said ringing relay to apply the selected signal sources to said line for signalling both calling and called substations.

2,628,282

TELEPHONE SYSTEM

John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application February 23, 1946, Serial No. 649,583. Divided and this application July 12, 1949, Serial No. 104,322

10 Claims. (Cl. 179-18)



1. In a telephone system, a calling exchange, a single called exchange, a first group of subscriber lines in said called exchange having directory numbers comprising a fixed number of digits, a second group of subscriber lines in said called exchange having directory numbers comprising a fixed lesser number of digits than the fixed number of digits comprising the directory numbers of said subscriber lines in said first group, a register sender including a plurality of registers, means for registering the same predetermined first series of said digits in successive ones of said registers, a routing mechanism included in said register sender controlled in accordance with said predetermined first series of digits registered in said registers for extending a connection from said calling exchange to said called exchange, means for registering a second series of digits in successive other ones of said registers, means controlled responsive to registration of one less digit than the total number of said plurality of registers in said register sender for controlling said register sender to complete said connection from said calling exchange to a called subscriber line in said second group, and means controlled responsive to the registration of a number of digits equal to the total number of said plurality of registers in said register sender for rendering said last mentioned means ineffective and for controlling said register sender to complete said connection from said calling exchange to a called subscriber line in said first group.

2,628,283

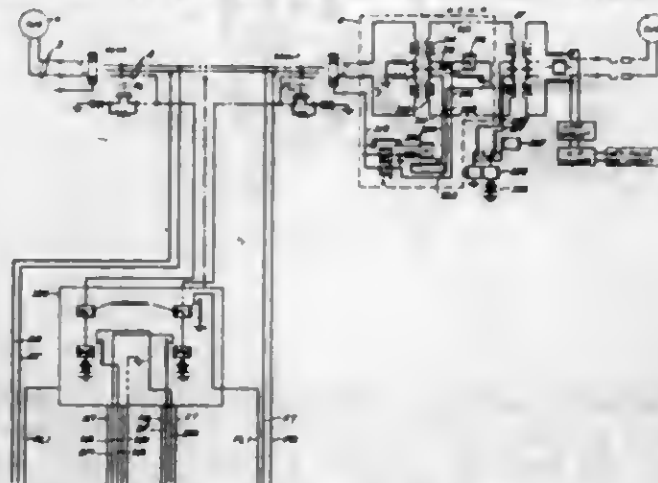
SEMI-AUTOMATIC TELEPHONE SWITCHING SYSTEM ARRANGED FOR SELECTIVE ALTERNATING CURRENT OR DIRECT CURRENT KEY PULSING

Burton McKim, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1948, Serial No. 49,588

7 Claims. (Cl. 179-27)

1. In a telephone system, a key-set circuit, comprising a set of digit keys, a plurality of trunk circuits, a first number of said trunk circuits each including means for supplying and applying to said key-set circuit a first set of electrical conditions indicating that a first type of key impulses is to be transmitted over each of said first number of trunk circuits by said key-set circuit, a second number of said trunk circuits each including means for supplying and applying to said key-set circuit a second set of electrical conditions different from said first set of electrical conditions and indicating that a second type of key impulses is to be transmitted over each of said second num-

ber of trunk circuits by said key-set circuit, means including a cord circuit for connecting said key-set circuit to any one of said trunk circuits, a first transmitting means included within said key-set circuit and comprising first voltage sources and said digit keys for transmitting said first type key impulses, a second transmitting means included within said key-set circuit and comprising second voltage sources and said digit keys for transmitting said second type key impulses, means



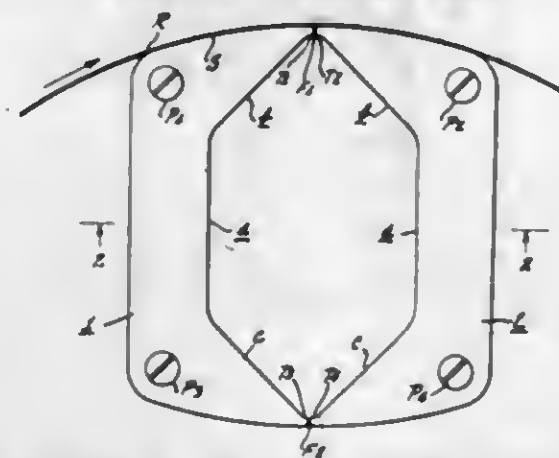
responsive to said sets of electrical conditions comprising testing relays for determining whether a trunk circuit to which said cord circuit is connected is one of said first number or one of said second number of trunk circuits, and means controlled by said determining means for connecting said first transmitting means to the any one of said first number of trunk circuits to which said cord circuit is connected, and for connecting said second transmitting means to any one of said second number of trunk circuits to which said cord circuit is connected.

2,628,284

MAGNETIC TRANSDUCER

Albert W. Friend, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1949, Serial No. 124,602

3 Claims. (Cl. 179-100.2)



1. A transducer for a magnetic record, said transducer comprising a magnetic structure having an outer surface-portion upon which said record moves during recording and reproducing intervals, said magnetic structure having a pair of polar extremities defining the boundaries of a non-magnetic gap in said surface adjacent to the path of said record, said polar extremities being tapered inwardly in the direction of said gap and terminating adjacent to said gap in projections of substantially uniform cross-section, said magnetic structure being of stacked laminated construction each lamina of which being of duplicate size and shape.

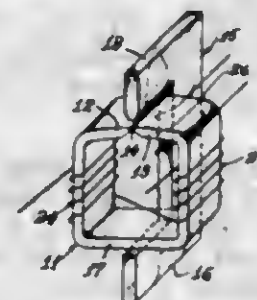
2,628,285

ELECTROMAGNETIC TRANSDUCER HEAD

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois

Application January 5, 1950, Serial No. 137,001

15 Claims. (Cl. 179-100.2)



12. An electromagnetic transducer comprising a ring-type core having a non-magnetic gap therein across which a magnetic record member is arranged to pass, a C-shape core straddling said ring-type core, one end of said C-shape core being disposed over said gap and in spaced relation to said ring-type core, the other end of said C-shape core being substantially in contact with said ring-type core at a point remote from said gap, said C-shape core lying in a plane disposed at an acute angle to the plane of said ring-type core, and at least one electric coil on each of said cores.

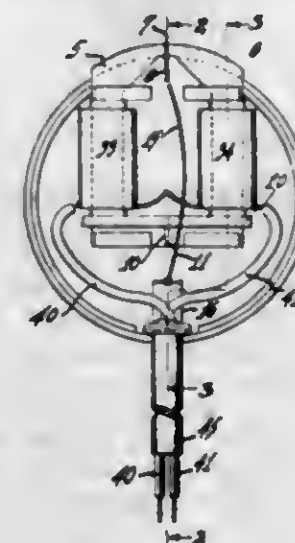
2,628,286

MAGNETIC HEAD CONSTRUCTION

Michael Reittinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application March 24, 1950, Serial No. 151,567

9 Claims. (Cl. 179-100.2)



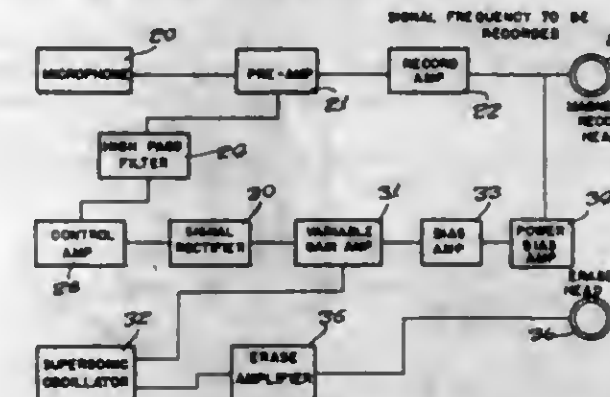
1. In combination, two groups of stacked laminations to form a closed magnetic path, each group having one end thereof L-shaped and the other end thereof tapered outwardly at approximately forty-five degrees with pole tips having a constant cross-sectional area over abutting portions thereof, a non-magnetic spacer between the pole tips and a non-magnetic spacer between the L-shaped ends of said groups, windings positioned on the intermediate portions of said groups, a housing surrounding said groups and said windings, the pole tips extending through an opening in said housing, and plastic material intermediate said laminations, said windings, and said housing.

2,628,287

MAGNETIC RECORDING APPARATUS

Nathan M. Haynes, Far Rockaway, N. Y.
Application February 16, 1951, Serial No. 211,270

8 Claims. (Cl. 179-100.2)



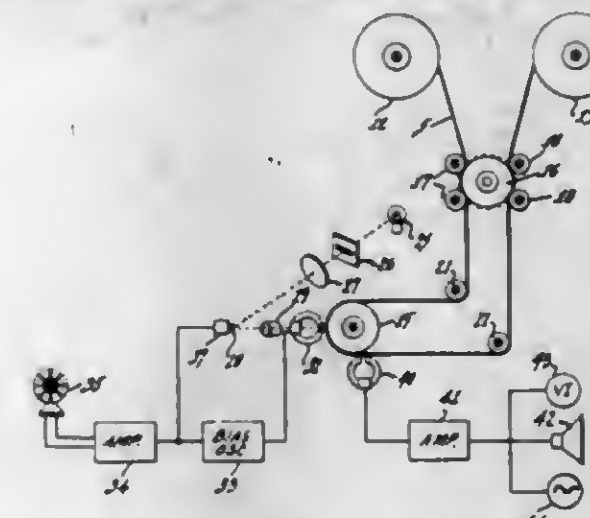
1. A magnetic recording apparatus comprising audio signal input means, a recording head fed by said audio signal input means, a supersonic oscillator the output of which is also fed to said recording head so as to be mixed therein with an audio signal being recorded, means to determine the high or low audio frequency characteristics of said signal being recorded, and means controlled by said determining means to vary the amplitude of the supersonic oscillator output which is applied to said recording head and in accordance with the determination of said frequency characteristics of the signal being recorded.

2,628,288

COMBINATION SOUND RECORDING AND RECORD

Dorothy L. Blaney, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1949, Serial No. 94,065

12 Claims. (Cl. 179-100.3)



1. A sound recording system comprising means for simultaneously recording a photographic record and a magnetic record on the same film of the same sound waves, and means for simultaneously reproducing said magnetic record for monitoring said photographic record.

2,628,289

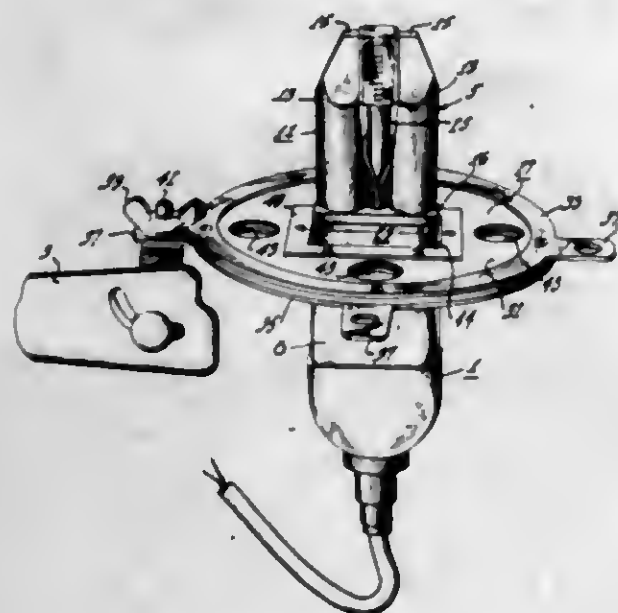
SUSPENSION SYSTEM FOR DYNAMIC MICROPHONES

Harry F. Olson, Princeton, and John Preston, Metedeconk, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 29, 1949, Serial No. 124,462

7 Claims. (Cl. 179-115.5)

1. In a dynamic microphone, the combination of a motor assembly comprising means for pro-

ducing a magnetic field and vibratile conductor means mounted in said magnetic field for vibration in response to sound wave energy, means associated with at least a portion of said vibratile conductor means constituting a terminating



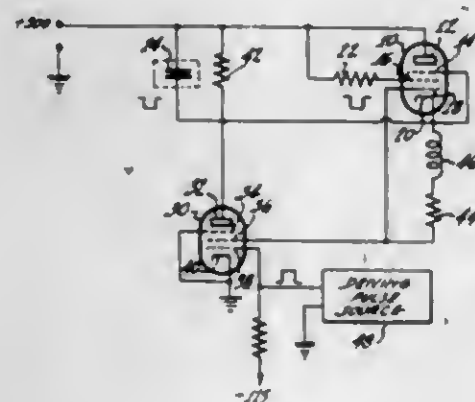
acoustic resistance therefor and including a supporting device, and flexible means connecting said motor assembly to said supporting device thereby to flexibly support said motor assembly from said supporting device.

2,628,290

AMPLIFICATION SYSTEM

Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 24, 1951, Serial No. 227,990
6 Claims. (Cl. 179-171)



2. A system for driving a capacitive load comprising a first tube having anode, cathode and control grid electrodes, a second tube having anode, cathode, control grid and screen grid electrodes, said first tube cathode being connected to said second tube anode, said capacitive load being connected across one of said tubes, means to apply potentials to said first and second tubes to maintain said first tube conductive and said second tube non-conductive, means to apply a driving signal to said second tube to render said second tube conductive, means connecting said second tube screen grid to said first tube cathode to generate a cut-off bias for said first tube responsive to current being drawn by said screen grid, and means to apply said cutoff bias to said first tube control grid.

2,628,291

TROLLEY WIRE FIXTURE

Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application May 10, 1949, Serial No. 92,411
13 Claims. (Cl. 191-37)



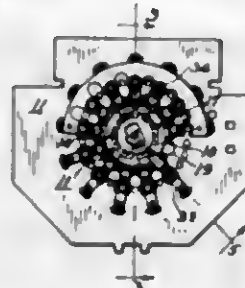
1. A trolley fitting comprising a body, a plurality of runners extending from the body for engagement with trolley wires, a bridging member movably carried by the body for defining with two opposed runners a guide-way for a current collector, and means for operating the bridging member including a lever fulcrumed between its ends and pivoted near one end to the bridging member, and a trigger secured to the other end of the lever and disposed between two adjacent runners for engagement with the current collector and motion in response to force applied by said collector travelling along one of said runners, said trigger comprising a pair of shoes hinged together and resilient means between the shoes resiliently holding the shoes apart.

2,628,292

ELECTRICAL APPARATUS

Edward J. Mastney, Berwyn, Ill., assignor to Oak Mfg. Co., Chicago, Ill., a corporation of Illinois

Application August 12, 1950, Serial No. 179,073
2 Claims. (Cl. 200-15)



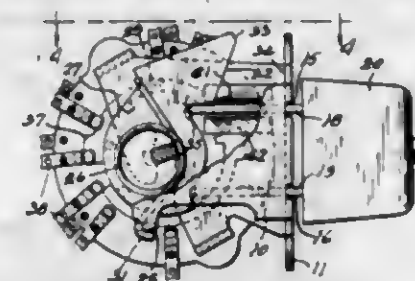
1. A rotary switch section having a rotor disc of insulating material, a stator of insulating material having an opening in which said rotor disc lies, flat contacts carried by said rotor disc on both sides at the edge thereof and extending over a part of the stator, stator contacts cooperating with said rotor contacts, each stator contact having a portion to which leads may be soldered and having a pair of jaws which are elastic and stressed for gripping the cooperating rotor contact on opposite sides thereof, a switch section comprising a stator and rotor being adapted to be assembled so that the rotor cannot be removed from the stator, at least one rotor contact having at least one radial extension for cooperating with certain stator contacts and said stator having at least one grounding stator contact bearing against the body of a rotor contact in all rotor positions, said rotor contact having an apertured part at the body, said apertured part being large enough and so disposed that said rotor may be turned, with respect to said stator, in a position so that the grounding stator contact jaws, which are normally sprung apart by the thickness of the rotor contact, can touch each other through the rotor contact aperture thereby relieving the strain in the contact jaws and preventing an undesirable set in the contact jaws during heating incident to soldering connections to said stator contacts.

2,628,293

ELECTRIC SWITCH

John H. Williams, Barrington, and Edward J. Mastney, Berwyn, Ill., assignors to Oak Mfg. Co., a corporation of Illinois

Application January 9, 1952, Serial No. 265,584
2 Claims. (Cl. 200-51.09)



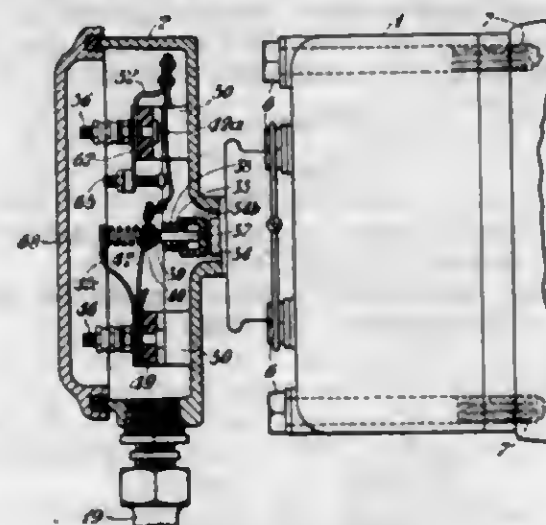
1. A switching mechanism comprising a rigid U-shaped frame having at least one front portion and two parallel side portions, said front portion having at least one slot therethrough, a member rotatively mounted between the sides of said frame, said member having a cam portion movable with member rotation to and from the rear surface of the front part of the frame, spring means for biasing said member so that the cam portion is at the rear surface of the front portion of said frame, said cam portion lying rearwardly in line with said slot, and spaced supporting members carried by one of said frame side portions, said supporting members extending rearwardly of the front frame portion and forming a channel which is a prolongation of said slot whereby a pronged member inserted into said slot to engage the cam portion for turning said member will have support, switching means having stationary and movable contact portions, means for securing the stationary contact portion to said frame and means for coupling said rotary member to said movable contact portion.

2,628,294

SPEED RESPONSIVE DEVICE

Herbert L. Bone, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application March 7, 1951, Serial No. 214,392
6 Claims. (Cl. 200-80)



1. A speed responsive device comprising a first housing adapted to be rotated at different speeds, centrifuge means in said first housing including an axially disposed push rod which is moved longitudinally in response to changes in the speed of rotation of said first housing, a second housing journaled in the outer end of said first housing, means for preventing said second housing from rotating, contact mechanism in said sec-

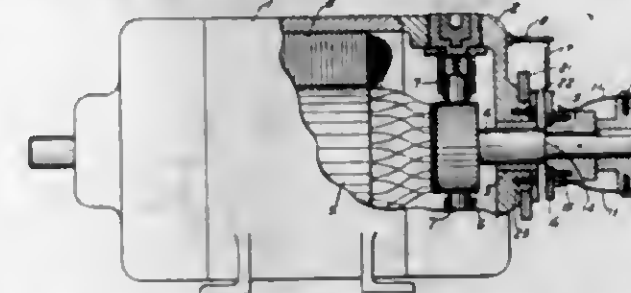
ond housing, and an antifriction thrust assembly operatively connecting said push rod with said contact mechanism.

2,628,295

SPEED REGULATOR FOR ELECTRIC MOTORS

Joseph Zubaty, Welland, Ontario, Canada, assignor to Gelling Industries Limited, Welland, Ontario, Canada

Application December 18, 1950, Serial No. 201,381
8 Claims. (Cl. 200-80)



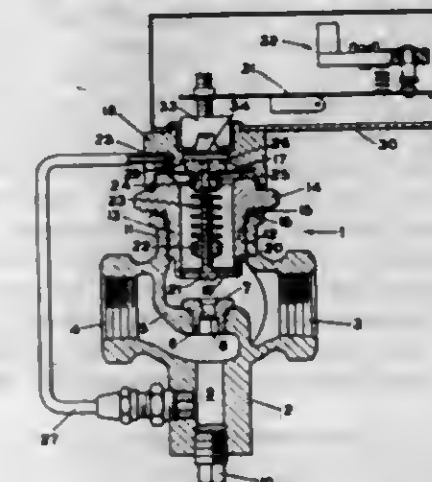
6. The combination in a centrifugally operated switch for electric motors of a contact disposed on the housing of the motor, a roller rotatably mounted on the shaft of the motor, a contact on the roller, tension means for holding the contacts out of engagement and a collar keyed to the shaft and having disposed thereon a plurality of resilient prongs adapted to engage and bear against the periphery of the roller and to move the contact carried by the roller into engagement with the contact disposed on the housing and to progressively move out of engagement with the periphery of the roller as the speed of the shaft increases.

2,628,296

FLOW SWITCH

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application June 20, 1950, Serial No. 169,200
2 Claims. (Cl. 200-81.9)



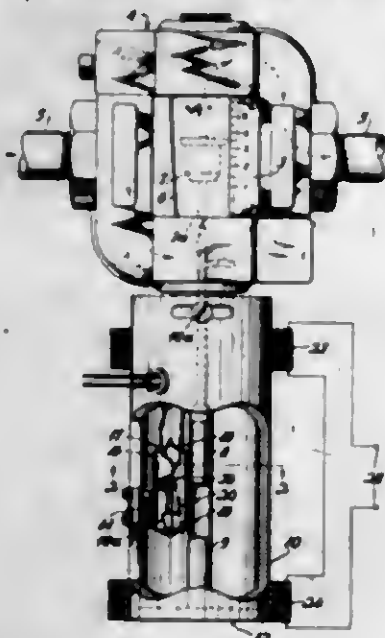
1. In a flow responsive switch, a fluid flow passageway, an orifice in said passageway for producing a pressure drop therethrough, a diaphragm positioned away from said passageway, second and third passageways leading from opposite sides of said orifice to opposite sides of said diaphragm, spring means cooperable with said diaphragm to determine the pressure differential required to move the same, adjusting means for said spring means, a nonmagnetic wall, cooperable movable magnet and armature members positioned on opposite sides of said wall, one of said members being movable by said diaphragm in response to a pressure differential thereacross, said diaphragm moving said one member toward and away from said wall to at-

tract or release the other of said members to control movement thereof, a lever member carrying said other member and movable thereby, and a switch operated by movement of said lever member.

2,628,297

SHIELDED SWITCH ASSEMBLY

Carl T. Grauer, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 20, 1946, Serial No. 698,371
2 Claims. (Cl. 200-87)



1. In combination with a rotameter for use in magnetic fields and having a vertical metering tube and a metering float adapted for free up and down movement within said tube, an elongated member connected to said float and extending vertically therefrom beyond said metering tube, a permanent magnet having a gap therein, a soft iron slug disposed at the free end of said elongated member, means for guiding said soft iron slug into and out of said magnet gap, an electrical switch having a magnetically actuated movable contact element disposed proximate to but inwardly of said gap, whereby downward movement of said float moves said slug into said gap changing the magnetic force affecting said element and actuating same, a cylindrical ferromagnetic shield surrounding said magnet, slug and switch and having also a continuous wall extending across the lower end thereof, and a pair of serially connected coils disposed in spaced and surrounding relation about said shield for providing upon energization and with said shield effective neutralization of external magnetic fields.

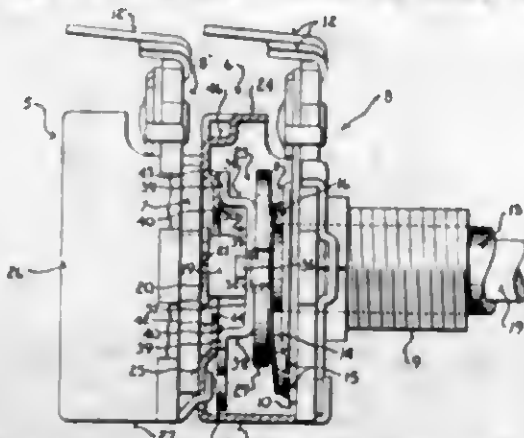
2,628,298

VARIABLE RESISTANCE DEVICE

Wilbert H. Budd, Elkhart, Ind., assignor to Chicago Telephone Supply Corporation, Elkhart, Ind., a corporation of Indiana
Application January 4, 1951, Serial No. 204,401
7 Claims. (Cl. 201-55)

1. In a variable resistance device of the type in which a resistance element on the inner face of a base of insulating material which forms the front wall of a housing for the device is traversed by a spring contactor mounted upon a rotatable actuating shaft which passes through the hole in a base, and wherein the spring tension of the contactor reacting against the resistance element biases the control shaft endwise toward the rear of the device: a cover attached to the base

over the rear face thereof and coacting with the base to complete the housing for the device, said cover having a wall substantially normal to the shaft axis and adjacent to the rear end of the shaft; a disc-like carrier for the spring contactor fixed to the shaft inside the housing, said carrier being formed of insulating material and having the contactor mounted upon its front face; and

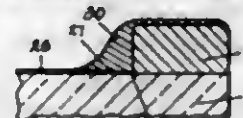


a stiff metal stamping seated upon the rear face of the carrier and having rearwardly extending portions provided with runners which lie in a plane normal to the shaft axis and rearwardly of the rearmost end of the shaft, said runners slidably engaging said wall of the cover and providing a thrust bearing supporting the shaft against rearward end thrust thereon.

2,628,299

CONNECTION FOR ELECTRICALLY CONDUCTING FILMS

Romey A. Galzer, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 31, 1949, Serial No. 138,300
10 Claims. (Cl. 201-63)

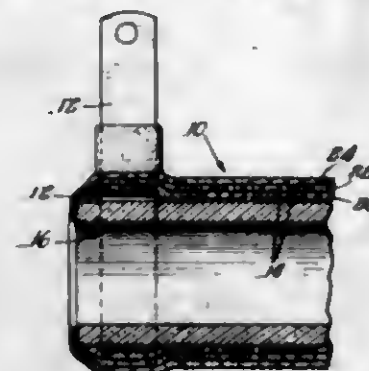


1. The combination with a vitreous article having an electrically conducting film on a surface thereof and an electrode in direct contact with said film for supplying electrical current thereto, of a metallic overlay on said film on the side thereof that is away from said vitreous surface and extending along and bridging the meeting line of said film and said electrode.

2,628,300

RESISTOR

Louis H. Berkelhamer, Chicago, Ill., assignor to David T. Siegel, Glencoe, Ill.
Application December 18, 1948, Serial No. 65,990
8 Claims. (Cl. 201-64)



1. An electrical resistor comprising a base, a resistance element carried by the base, a coating

of fired vitreous enamel overlying said resistance element and providing insulation therefor, and an insulation coating body containing heat cured silicone overlying said vitreous enamel.

2,628,301

WELDING HEAD

Robert E. Dahl, Hinsdale, Ill., assignor of one-half to Advance Transformer Co., Chicago, Ill., a corporation of Illinois
Application March 8, 1951, Serial No. 214,544
11 Claims. (Cl. 219-8)



10. A head for automatic inert gas-shielded arc welding which is adapted to be secured to a carriage movable relative to a workpiece which comprises, a portion adapted to be fixed relative to said carriage and a portion reciprocable relative to the fixed portion, a slide member fixed to the reciprocable portion and cooperatively engaged in a slide way provided in said fixed portion, a nozzle holding member having means guiding an electrode through the nozzle and means for leading electric current and gas to the workpiece attached to and movable with the reciprocable member, said reciprocable member having a work engaging shoe, means for biasing said reciprocable member to move in a direction pressing the shoe against the workpiece and means associated with said fixed portion for overcoming the bias to raise the shoe from the workpiece when desired, said slide member consisting of a cylindrical rod moving in a cylindrical bore provided in said fixed portion, and a guide slot in the fixed portion and a key secured to the said cylindrical rod and movable in the guide portion to prevent rotation of the said cylindrical rod during reciprocal movements of the reciprocable portion relative to the fixed portion.

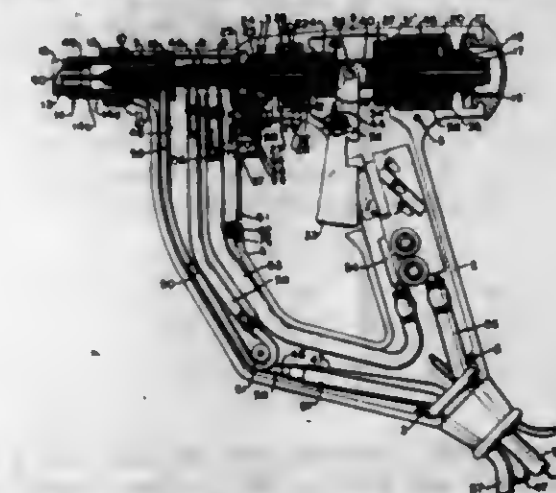
2,628,302

ARC WELDING APPARATUS

Joseph M. Tyrner, Brookside, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1951, Serial No. 216,935
9 Claims. (Cl. 219-15)

1. In apparatus for arc spot welding, an electrode holder, a non-consuming electrode releasably gripped thereby, a support in which the electrode holder is slidably mounted and having an end to be held against the work during a welding operation, means for advancing the electrode holder in the support to bring the end of the electrode in contact with the work when said end of the support is held against the work, means for retracting the electrode holder, stop means limiting the rearward movement of the

electrode holder in the support, and manually movable auxiliary means operable independently of said advancing and retracting means for moving the electrode holder forwardly in the support, said manually movable means having a limited amount of movement in one direction and serving when moved to the limit of its movement in said direction to move the electrode holder for-

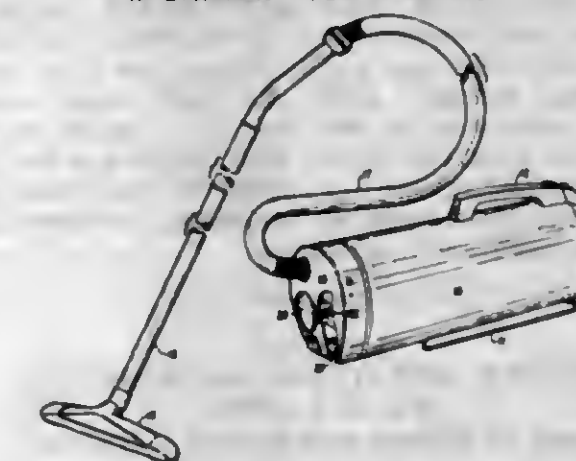


wardly a distance equal to the desired length of the arc gap whereby when the electrode holder is moved said distance by said auxiliary means while the end of the support is held against a flat surface and the electrode is then adjusted in the holder to contact with such surface it will produce an arc gap of said desired length when the electrode holder is moved to its fully retracted position.

2,628,303

ILLUMINATING MEANS FOR TANK TYPE SUCTION CLEANERS

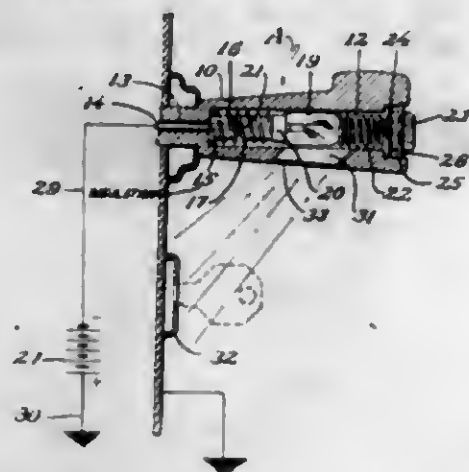
Nelson C. Cuddeback, Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 29, 1948, Serial No. 57,271
2 Claims. (Cl. 240-2)



1. A suction cleaner comprising, a casing, a motor-fan-filter unit within said casing, means attached to said casing for supporting it in a horizontal position for ambulatory movement over a surface, an air nozzle for manual application to said surface, a flexible hose, connecting means near the top of one end of said casing for operatively connecting said hose to said casing whereby air can be moved through said nozzle for removing dirt from said surface, said hose and supporting means being so arranged that said casing may be moved about over said surface by a pulling force applied to said hose and a reflective illuminating lamp mounted on the end of said casing below said connecting means, said lamp being inclined downwardly and forwardly of said casing so as to direct light rays emitted therefrom downwardly and forwardly onto an area of said surface forwardly of said casing.

2,628,304 ILLUMINATING MEANS FOR CAR DOOR LOCKS

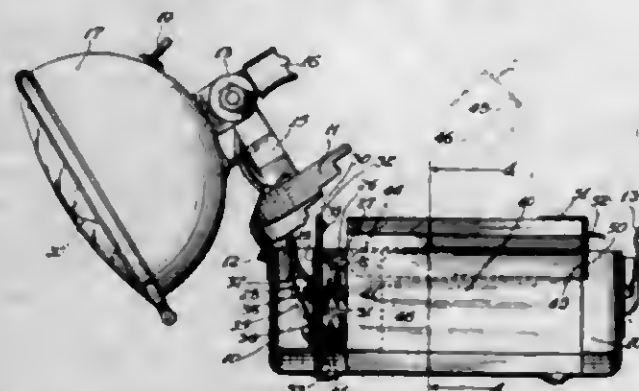
Burdett R. Boyd, St. Paul, Minn.
Application July 11, 1949; Serial No. 104,083
3 Claims. (Cl. 240-2.13)



1. A door lock illuminating means for a door handle having an elongated recess therein and having an aperture through the handle communicating with said recess, an electrical contact at the base of said recess and substantially axially thereof, a helical spring engaging the base of the recess and encircling the contact and electrically spaced therefrom, a light bulb having a rounded transparent end and a metal screw threaded portion at its opposite end, a center contact at said opposite end of the bulb and electrically spaced from said metal screw threaded portion, said spring encircling the metal screw threaded portion and engaged in the screw threads thereof, said spring normally holding the center contact of the bulb in spaced relation to the electrical contact at the base of said recess, a second helical spring engaging the rounded transparent end of the bulb and holding the bulb axially centered relative to the second spring, and means in the outer end of the recess engageable with said second spring to compress the second spring against the transparent bulb end and compressing the first spring while said springs hold the light bulb axially thereof, compression of the first spring moving the center contact of the light bulb against said electrical contact at the base of the recess and moving the light bulb into position to direct light rays through said aperture.

2,628,305 BATTERY RETAINER FOR ELECTRIC HAND LAMPS

Cyrus G. Talbot and Joseph F. Talbot,
Chicago, Ill.
Application March 23, 1950; Serial No. 151,416
3 Claims. (Cl. 240-10.63)

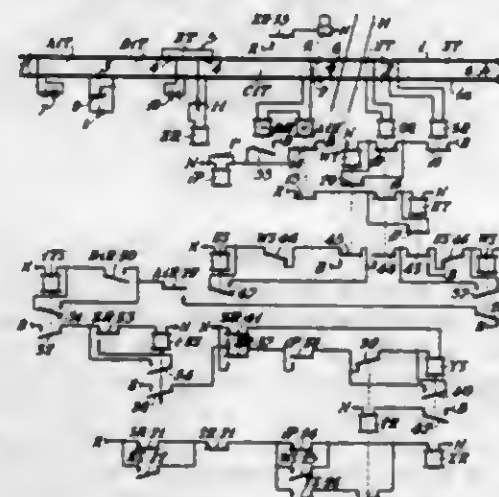


1. In a lamp casing designed to receive a battery having yieldable terminals at one end, con-

tact means adapted to receive such terminals when the battery is laid on its side in the casing, said contact means comprising a frame carried by the casing opposite said terminals and formed with elements for contact by the terminals, such frame having sides secured to the casing, and a retainer designed to maintain said terminals in tensioned engagement with said contact means, said retainer comprising an arch-shaped member with legs pivoted to said frame sides, the head of the member being positioned to engage the battery-end opposite from that carrying said terminals when the battery has been urged in the direction of said contact means.

2,628,306 APPARATUS FOR CONTROLLING HIGHWAY CROSSING SIGNALS

James E. McMahon, Jr., Wilkesburg, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application May 29, 1948; Serial No. 29,977
10 Claims. (Cl. 246-130)



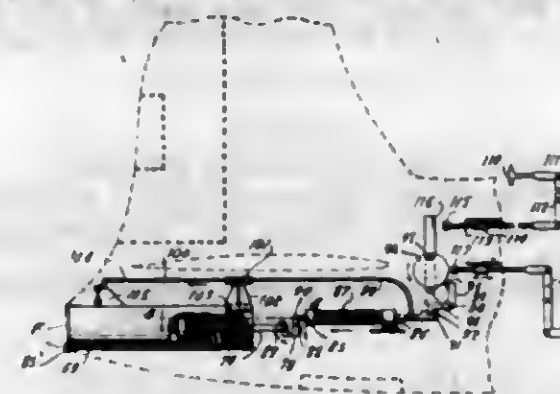
1. In a control system for a highway crossing signal adjacent the intersection of a railway track with a highway, including a given control section of said railway track divided into a main portion and an intermediate portion, and including means controlled by a train approaching said intersection for starting operation of said highway crossing signal while said train occupies said given control section, the combination comprising, time element means energized for interrupting operation of said highway crossing signal if said train occupies said given control section longer than a given measured period of time, means responsive to said train upon moving over said intermediate portion of said given control section for then deenergizing said time element means and thereby rendering said time element means ineffective to interrupt further the operation of said highway crossing signal, and direction control means controlled by a train moving in the opposite direction over said given control section to prevent energization of said time element means.

2,628,307 EMERGENCY SIGNALING APPARATUS

Jack M. Lloyd and Willey M. Williamson, Driscoll, Tex.; said Lloyd assignor of one-twentieth to Eura Wilson and one-twentieth to Joe S. Ryan, both of Murfreesboro, Tenn.
Application June 1, 1950; Serial No. 165,486
4 Claims. (Cl. 250-17)

1. In an aircraft: a barrel; a transmitter for continuously emitting a predetermined signal; a parachute connected to said transmitter; a balloon; an antenna connected between said

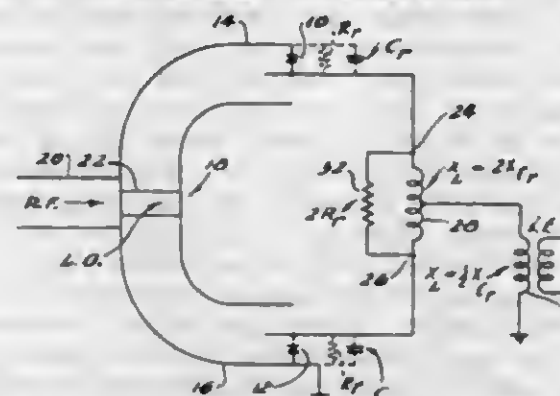
balloon and said transmitter; means for inflating said balloon with gas, said transmitter, parachute, balloon, antenna and inflating means being disposed in said barrel; a spring loaded piston in said barrel for ejecting said transmitter, parachute and balloon from said barrel; a first latch holding said piston in retracted position; a spring loaded plunger for striking said latch to



release said piston from retracted position; a second latch holding said plunger in retracted position; and a mass pivotally mounted in said aircraft for movement with respect to said aircraft upon violent deceleration of the aircraft, said mass striking said second latch upon such pivotal movement to release said plunger from actuated position.

2,628,308 HYBRID WAVE GUIDE MIXER

Clyde J. Norton, San Fernando, Calif., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application February 1, 1949; Serial No. 73,986
8 Claims. (Cl. 250-20)



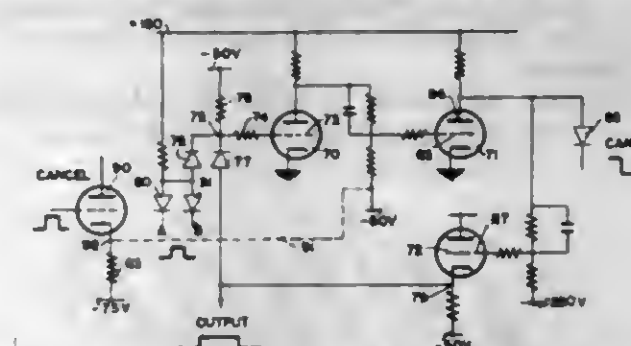
6. A heterodyne detector comprising a pair of diodes connected in series with each other and with a center-tapped inductive device to form a closed circuit for locally developed undesired signal components, said diodes being polarized so as to conduct such components concurrently, input connections to said diodes to apply two different signals to said diodes, one signal in like phase to the diodes and the other signal in opposite phase to the diodes, and an additional output circuit between the center-tap of said device and a point between said series diodes.

2,628,309 ELECTRONIC STORAGE DEVICE

Ernest S. Hughes, Jr., Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 31, 1951; Serial No. 264,295
11 Claims. (Cl. 250-27)

1. An electronic storage device comprising first, second and third electron discharge devices each having an output electrode and a control elec-

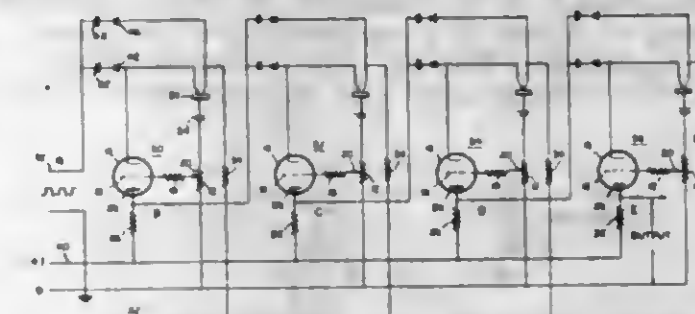
trode and each being adapted to assume alternate states of maximum and minimum conductivity in response to voltages impressed upon the control electrode thereof, means coupling the control electrode of said second electron discharge device to the output electrode of said first electron discharge device for causing said second electron discharge device to assume a state of conductivity opposite to that of said first electron discharge device, means coupling the control electrode of said third electron discharge device to the output electrode of said second electron discharge device for causing said third electron discharge device to assume a state of conductivity opposite to that of said second electron discharge device and corresponding to the state of conduc-



tivity of said first electron discharge device, a voltage coincidence switch having an output terminal connected to the control electrode of said first electron discharge device and having a pair of input terminals through which voltages may be separately impressed upon the last-mentioned control electrode, one of said switch input terminals being connected to the output electrode of said third electron discharge device, and an input line connected to the other of said switch input terminals for applying thereto an input voltage that varies intermittently between predetermined limits, whereby the state of conductivity of said first electron discharge device is controlled in response to the relationship between said input voltage and the output voltage of said third electron discharge device.

2,628,310 COUNTER CIRCUITS

Marion L. Wood, Highland, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 31, 1951; Serial No. 264,342
20 Claims. (Cl. 250-27)



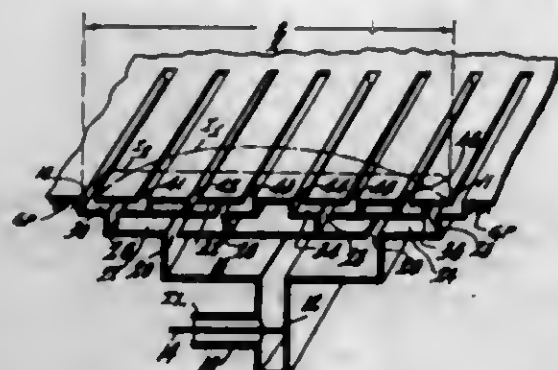
1. A counter circuit comprising: a plurality of serially arranged trigger circuits, each including a semi-conductor having emitter, collector and base electrodes, first and second impedance elements respectively connected to said base and collector electrodes, a load impedance element, a variable impedance element, having a control element, connected between said emitter electrode and said load impedance element, a connection between said control element and said first impedance element, and bias means connected be-

tween the free ends of said impedance elements for biasing said emitter and collector electrodes with respectively opposite polarities relative to said base electrode; means for applying positive input pulses to the emitter electrode of the first of said serially arranged trigger circuits to produce output pulses at its base and collector electrodes and at the junction of said variable impedance and load impedance elements; and a connection between the output of each preceding trigger circuit and the emitter electrode of the successive serially arranged trigger circuit.

2,628,311

MULTIPLE SLOT ANTENNA

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 4, 1948, Serial No. 58,246
15 Claims. (Cl. 250-33.63)

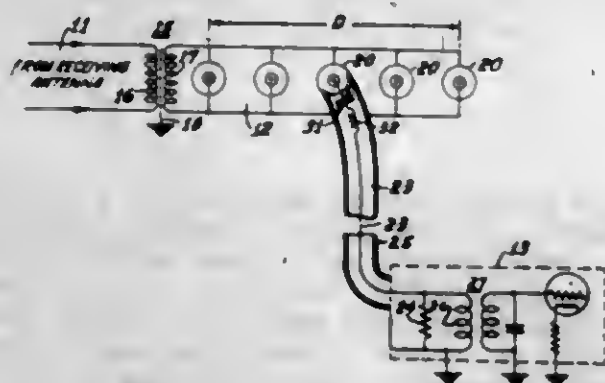


2. An antenna system comprising a conductive ground plane sheet having a plurality of radiation slots therein; waveguide members intercoupling pairs of slots of said plurality of radiation slots; waveguide elements intercoupling pairs of said waveguide members; a waveguide chamber coupled to said waveguide elements; and means to produce a radio frequency wave in said waveguide chamber, the path lengths of said waveguide elements and said waveguide members being substantially equal, thereby to convey the energy of said wave in the same phase to said plurality of radiation slots.

2,628,312

RECEIVING STATION ANTENNA DISTRIBUTION SYSTEM

Harold Olaf Peterson and Bertram A. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application May 24, 1949, Serial No. 95,028
18 Claims. (Cl. 250-33.69)



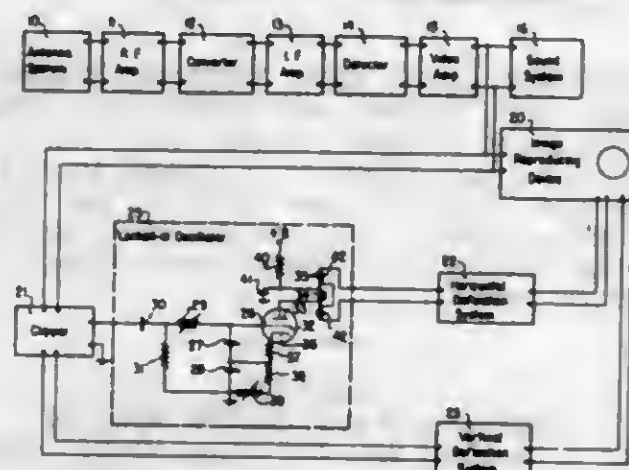
14. An antenna distribution system including at least one open ended transmission line, and apparatus for coupling a plurality of radio frequency transducers selectively to said transmission line substantially without interaction be-

tween the transducers, said apparatus comprising a plurality of coupling units having input and output terminals, means to connect said input terminals across said transmission line, the spacing between the connection of the first and last of said input terminals along said transmission line being substantially less than a quarter wavelength at a desired operating frequency, and means to connect ends of said transducers to any one of said output terminals.

2,628,313

SYNCHRONIZATION SYSTEM

Kurt Schlesinger, Maywood, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application October 1, 1948, Serial No. 52,243
17 Claims. (Cl. 250-36)

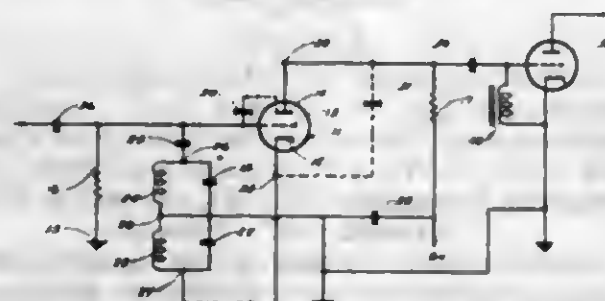


1. A system for producing synchronization pulses of constant frequency and amplitude from a source of pulses having the same average frequency comprising, an oscillator including an electron discharge valve having input and output electrodes and a resonant circuit, means for applying pulses from said source to said resonant circuit, said resonant circuit being sharply tuned to the fundamental frequency of said pulses for providing a sine wave of the fundamental frequency of said pulses and for applying the same to said input electrodes of said valve with a 90° phase delay, said valve being biased so that current flows in said output electrodes thereof only during the positive portions of the wave applied thereto, and a transformer connected to said output electrodes for producing pulses from said output current which are of constant frequency and amplitude and are substantially in time phase with said synchronization pulses.

2,628,314

OSCILLATOR

Emmery J. H. Bussard, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application May 20, 1950, Serial No. 163,297
5 Claims. (Cl. 250-36)



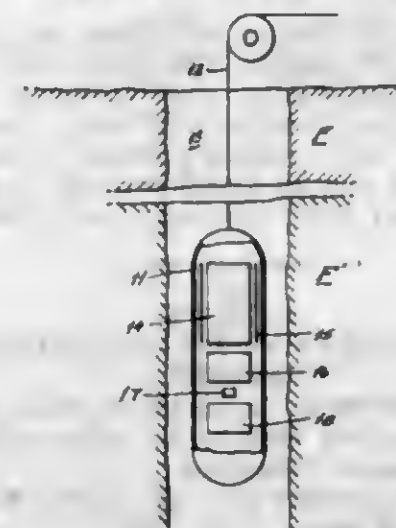
1. In an oscillation generator, the combination of an electron tube including at least an anode, a

control electrode and a cathode, a common terminal, means for radio-frequency-connecting said anode to said terminal, a series combination of a capacitor and an inductively reactive parallel combination of inductance and capacitance between said terminal and said control electrode, and a capacitively reactive parallel combination of inductance and capacitance between said terminal and said cathode.

2,628,315

SUBSURFACE PROSPECTING

Kenneth C. Crumrine, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 25, 1949, Serial No. 129,421
3 Claims. (Cl. 250-83.6)

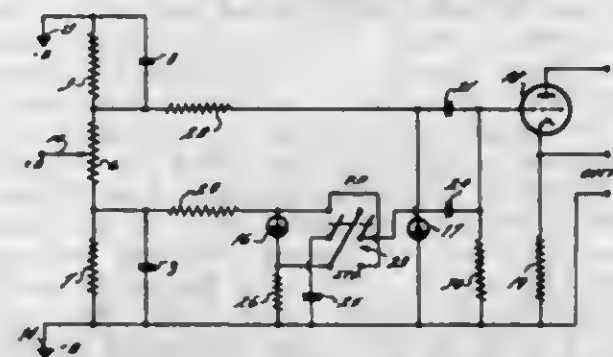


1. A device adapted to be passed through a bore hole to determine the nature and location of formations traversed by said hole comprising an elongated housing, a source of neutrons and gamma rays in said housing, said source comprising a mixture of radium and beryllium, a gamma ray detector in said housing, a shield between said source and said detector of a character to inhibit the passage of radiation directly from said source to said detector, and a screening element on the side of said source opposite the shield side of a material capable of reflecting neutrons from said source in directions generally toward the shield side of said source and substantially incapable of reflecting gamma rays from said source whereby the neutrons and gamma rays from said source are separated and the neutrons directed to a region adjacent the detector.

2,628,316

PHOTOELECTRIC CELL COUPLING CIRCUIT

John J. De Muth, Burbank, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1949, Serial No. 129,376
5 Claims. (Cl. 250-209)



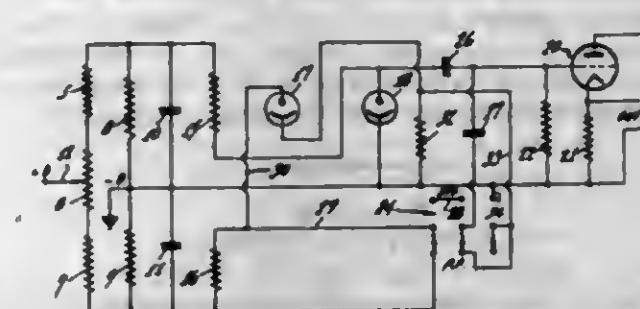
1. A photoelectric cell coupling circuit comprising a pair of photoelectric cells, an ampli-

fier, means for adjusting the direct current potentials on the anodes of said cells, a switching circuit, a condenser, and means for coupling the anode of one of said cells to said amplifier, one position of said switching circuit including coupling means for coupling the anode of the other of said cells to said amplifier, and placing said condenser directly between the cathode of said other cell and ground, and another position of said switching circuit connecting the cathode of said other cell to said amplifier and placing said condenser directly between the anode of said other cell and ground.

2,628,317

PHOTOELECTRIC CELL COUPLING CIRCUIT

Kurt Slinger, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1949, Serial No. 129,480
5 Claims. (Cl. 250-209)

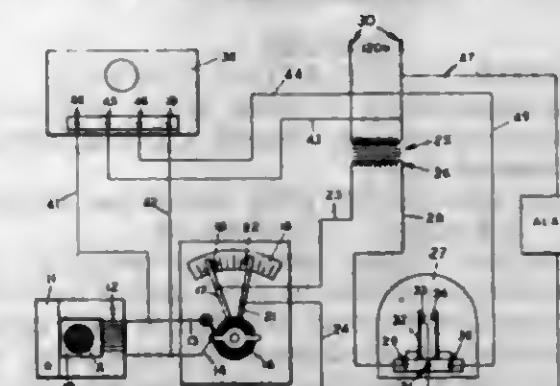


1. A photoelectric cell coupling circuit comprising a pair of photoelectric cells, an amplifier, means for adjusting the direct current potential on the anodes of said cells, a switching circuit, a pair of coupling elements connected to said amplifier, and switching means, one position of said switching means directly connecting through said switching circuit the anode of one of said cells to one of said coupling elements, the anode of the other of said cells being directly connected to said other coupling element, said switching means simultaneously connecting the cathodes of said cells together and to ground, and another position of said switching means disconnecting said anode of said one cell from said one coupling element and connecting the cathode of said one cell directly to said one coupling element.

2,628,318

METHOD AND DEVICE FOR CONTROLLING ELECTRICAL DEMAND

William H. Lake, Muskegon, Mich.
Application November 20, 1950, Serial No. 196,693
5 Claims. (Cl. 307-35)



4. In a device for actuating a relay upon the attainment of a predetermined level of alternating current flowing through a conductor, the combination: a core adapted for surrounding said conductor; a winding on said core bearing to said

conductor the same relationship as a secondary winding bears to a primary winding in a transformer; a high resistance element adapted to change its shape a predeterminable amount upon being subjected to electric current flow for a predetermined period of time; means electrically connecting said winding to said element; linkage movable by change in shape of said element, a manually movable means carrying a switch, the same being movable in the line of movement of an element of said linkage and contactable thereby for opening and closing; a circuit including a source of energy, said switch, and the current actuated portion of a time delay relay; another circuit including a source of energy, the contact portion of said time delay relay and means to be controlled by said device; and a time switch and means connecting same through a relatively low resistance in parallel with said high resistance element for rendering said device substantially inoperative at predeterminable times and for predeterminable periods; whereby said device will actuate said means to be controlled in response to the electrical demand placed on the source connected by said conductor during predeterminable portions of a day without making any direct connection to said conductor.

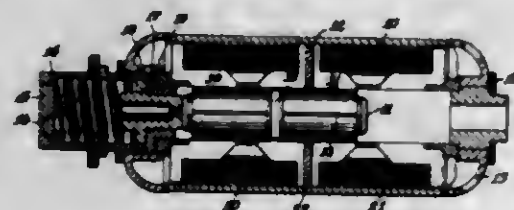
2,628,319

ELECTRIC HAMMER

Alfred Vang, Carmel, Calif.

Substituted for abandoned application Serial No. 36,337, July 1, 1948. This application May 29, 1952, Serial No. 290,654

4 Claims. (Cl. 310-15)



1. An electric hammer including two fixed solenoids, means for alternately exciting said solenoids, a ring magnet located between said solenoids and producing a permanent field of magnetic force, two cores of magnetic material slidable through said ring magnet and into each solenoid in turn, and a ring of non-magnetic material of a diameter not greater than said cores, and located therebetween, so as rigidly to mechanically couple them together into a single blow-delivering element, but at the same time dividing them into substantially independent magnetic units.

2,628,320

MOTOR VENTILATING SYSTEM

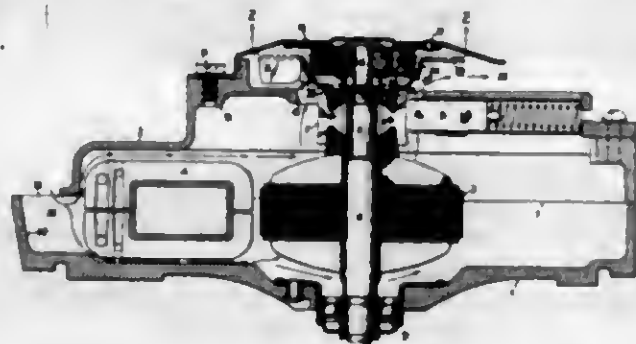
Warren A. Humphrey, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application October 30, 1950, Serial No. 192,971

5 Claims. (Cl. 310-62)

1. An electric motor structure comprising a casing, an electric motor in said casing including a shaft projecting beyond one end of said casing, a cover member secured to said one end of said casing to form a bearing and ventilating fan chamber therewith, a bearing carried by said cover member within said chamber and receiving the projecting portion of said shaft, said end of said casing being formed with an opening providing communication between said chamber and the interior of said casing adjacent said

shaft, means forming a shoulder on said shaft, a ventilating fan having a central portion resting on said shoulder about said shaft and a peripheral portion carrying fan blades positioned around said bearing in said chamber and extending radially outwardly of said shaft beyond



said opening, a second shoulder on said shaft spaced from said central portion of said fan, and a curved spring washer having a slot receiving said shaft and bearing between said second shoulder and said central portion of said fan to maintain said fan in frictional driving engagement with said first mentioned shoulder.

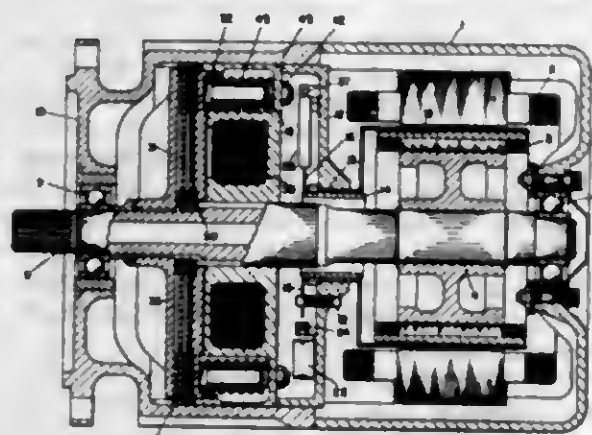
2,628,321

ELECTRIC MOTOR BRAKE-COUPLING ASSEMBLY

Robert L. Anderson, Garfield Heights, Ohio, assignor to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Delaware

Application December 19, 1951, Serial No. 262,392

4 Claims. (Cl. 310-77)



1. In combination in a rotary shaft actuator, a motor comprising a stator, a rotor radially spaced therefrom, a rotary actuator shaft supported by said housing, a friction disc brake assembly including discs alternately splined to said shaft and to said housing and held between a plate splined to said shaft and an armature axially slidable thereon, spring means for normally compressing said discs for braking said output shaft portion against rotation, said spring means being arranged between the housing and said armature, a normally deenergized electromagnet, said armature being normally longitudinally spaced from said brake assembly, a normally open switch means for supplying current to energize said electromagnet, a drag cup mounted for rotation in said housing and mechanically free of said rotor and its supporting shaft, part of said drag cup being disposed in spaced relation between said rotor and stator, means for normally maintaining said switch open, said drag cup, upon applying of A. C. power, being subjected to electrical forces to close the switch to supply current to said electromagnet to magnetically attract and slidably move the adjacent armature of said

brake assembly against the action of its disc compressing spring means to release the braking action on said shaft.

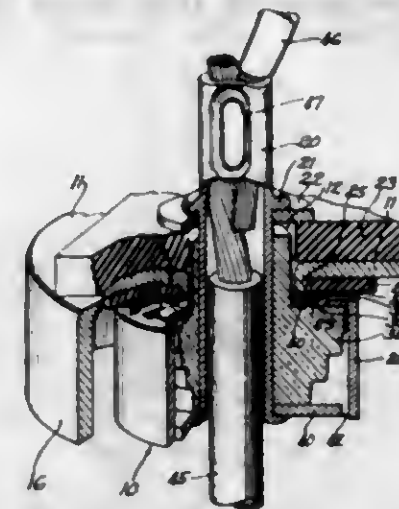
2,628,322

LIGHTNING ARRESTER

Edward H. Yonkers, Jr., Glencoe, Ill., assignor to Joslyn Mfg. & Supply Co., Chicago, Ill., a corporation of Illinois

Application November 23, 1951, Serial No. 257,699

9 Claims. (Cl. 313-231)



1. A lightning arrester unit for protecting an encased electrical apparatus from voltage surges on an incoming conductor thereof, comprising a conductive tubular member extending through an aperture in the wall of said casing and adapted to pass an incoming conductor there-through, an insulating bushing having a head portion external to said casing and a shank portion extending through said aperture and having a central bore therethrough receiving said tubular member, a disk electrode carried by said tubular member adjacent the head portion of said bushing, a cup-shaped electrode adapted to enclose the head portion of said bushing and having a rim portion spaced from the periphery of said disk electrode to form a first air gap therebetween, and an insulating spacer positioned between said casing and the bottom edge of said cup-shaped electrode to provide a second air gap therebetween.

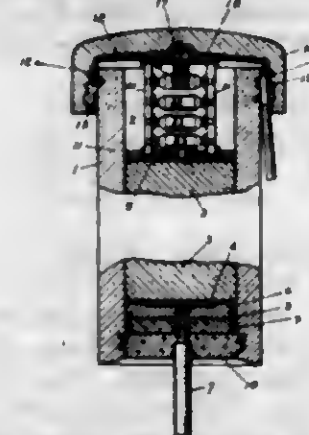
2,628,323

LIGHTNING ARRESTER

Clifford W. Petersen, Wauwatosa, Wis., assignor to McGraw Electric Company, Milwaukee, Wis., a corporation of Delaware

Application November 3, 1951, Serial No. 254,707

11 Claims. (Cl. 313-243)



1. In a spark gap, a series of electrodes arranged in ladder-like construction between two upright insulating spacers, a member having uniform contact surface between the electrode and the insulating spacers to provide positive ionizing radiation within the gap.

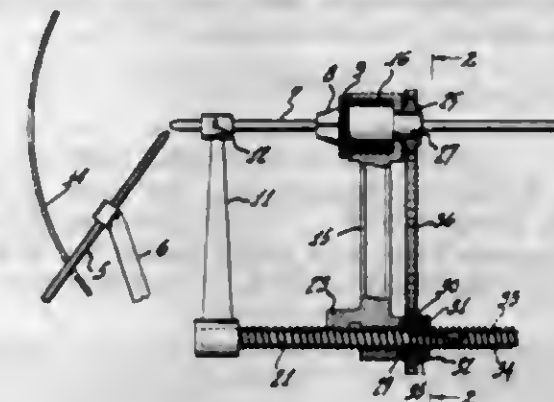
2,628,324

ARC LAMP CARBON MECHANISM

Cecil N. Batsel, Santa Monica, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application April 27, 1950, Serial No. 158,418

8 Claims. (Cl. 314-41)



1. An arc lamp carbon control, comprising a rotatable chuck for holding a carbon, a bearing mount for said chuck, a screw feed mechanism for moving said mount, chuck, and carbon longitudinally, said mechanism including a bracket for supporting said bearing mount, a feed screw passing through an enlarged opening in one end of said bracket, a threaded extension from said one end of said bracket in threaded contact with said screw, a bearing extension on said one end of said bracket and oppositely disposed from said threaded extension, and drive connections between said screw and chuck for continuously rotating said chuck and carbon as said carbon is moved longitudinally, said drive connections including a rotatable drive element mounted on said bracket bearing extension and driven by said screw.

2,628,325

APPARATUS FOR INERT-ARC WELDING

Walter S. Schaefer, East Gadsden, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application February 4, 1949, Serial No. 74,601

3 Claims. (Cl. 314-69)



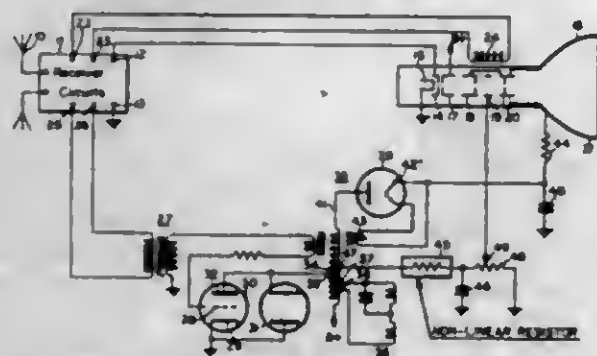
3. An electrode welding torch comprising an elongated hollow body, a nozzle cooperating with the body to define a continuous passageway to receive an electrode, electrode holder mechanism within said passageway, means for moving the body lengthwise toward and away from a work piece to be welded, second means including an electric motor for moving said mechanism within

the passageway axially and non-rotatably axially relative to the body, and electrical means including arc voltage sensing means operatively associated with said motor and with an electrode carried by the said mechanism for automatically actuating the motor in response to arc voltage fluctuations and moving said mechanism relative to said nozzle and body to maintain arc voltage within predetermined limits.

2,628,326

TELEVISION APPARATUS

Jack E. Bridges, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application March 10, 1951, Serial No. 214,970
4 Claims. (Cl. 315-31)

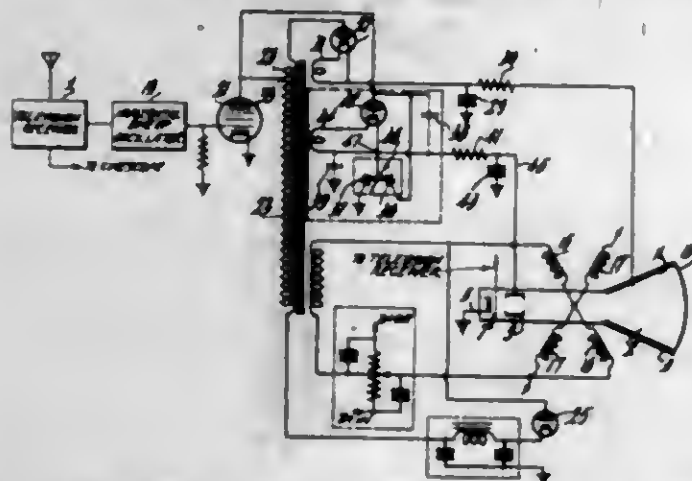


1. In a television receiver: a cathode-ray tube comprising a cathode and at least one other electrode requiring a high positive unidirectional operating potential with respect to that of said cathode; an asymmetrical voltage-wave source including an electron-discharge device; a series network comprising a bilaterally conductive non-linear resistor and a condenser coupled to said device and responsive to said asymmetrical voltage-wave to develop across said condenser a high unidirectional voltage; and means for applying at least a portion of said unidirectional voltage between said other electrode and said cathode.

2,628,327

HIGH-VOLTAGE SUPPLY FOR CATHODE-RAY TUBES

Benjamin S. Vilkomerson, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 10, 1951, Serial No. 241,321
4 Claims. (Cl. 315-31)

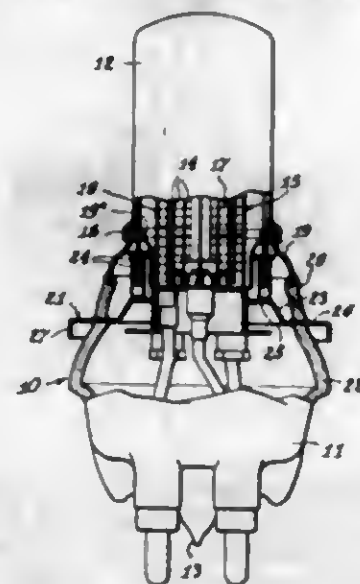


1. A high voltage power supply for an electrostatically focused cathode ray tube, said high voltage power supply comprising a transformer, a rectifier having two electrodes, means connecting said rectifier to said transformer, a point of reference potential, a differential capacitor having two elements, means connecting one element

of said differential capacitor between the electrodes of said rectifier, and means connecting another element of said differential capacitor between one electrode of said rectifier and said point of reference potential.

2,628,328

HIGH POWER TUBE BLOCKING CONDENSER
Carl H. Scullin, Florham Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1950, Serial No. 202,287
6 Claims. (Cl. 315-58)



1. An electron discharge device comprising an anode and a built-in blocking condenser, said condenser having said anode as one electrical conductor, a condenser plate within said device in close proximity to said anode as the other electrical conductor, and a frusto-conical support plate within said device for mounting said condenser plate, said support plate having a washer-like mounting flange projecting radially inwardly from the top of said support plate and a washer-like sealing flange projecting radially outwardly from the bottom of said plate through the envelope of said device.

2,628,329

WITHDRAWN

2,628,330

CONDENSER-CHARGING SYSTEM FOR SPARK-CUTTING DEVICES

Everard M. Williams, Pittsburgh, Pa., assignor to The Method X Company, Lansdale, Pa.
Application November 14, 1951, Serial No. 256,323
7 Claims. (Cl. 315-200)



1. In a spark-cutting system, a storage condenser adapted to discharge when an electrode and a workpiece connected thereacross are separated by an insulating medium but so spaced that the condenser voltage exceeds the breakdown value of the insulating medium, a circuit for charging said condenser comprising a direct-current source and an inductor in series therewith and a unidirectional conducting device connected across said inductor in a relation such that it will not conduct current as a result of the voltage of said source.

2,628,331

GAS TUBE ENERGIZING AND TIMING DEVICE

Stuart C. Rockafellow, Farmington, Mich., assignor to Robotron Corporation, Detroit, Mich., a corporation of Michigan
Application February 3, 1951, Serial No. 209,281
7 Claims. (Cl. 315-205)

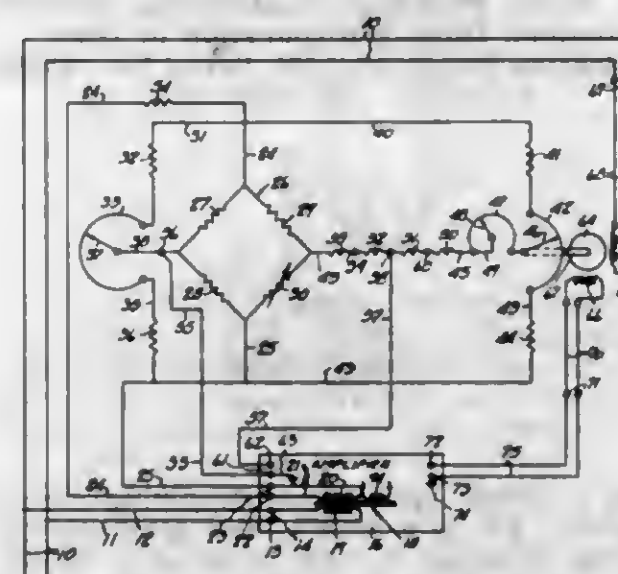


1. In an energization and timing device for a photoflash tube, the combination comprising: a source of alternating potential; means providing a voltage doubling circuit including a pair of power capacitors in series with each other and a relay winding in series with one of said capacitors; a capacitor in parallel with said relay winding; a pulsing transformer having primary and secondary windings; a relay; a pulse controlling capacitor; means connecting said pulse controlling capacitor and the primary winding of said pulsing transformer in series with each other and in series with said power capacitors, said means including the contacts of said relay; means connecting one end of the secondary winding of said pulsing transformer to one of the principal electrodes of the photoflash tube and means connecting the other end of said secondary winding to the starting electrode of said photoflash tube; and means connecting said one principal electrode also to one side of one of said power capacitors and means connecting the other of the principal electrodes of the photoflash tube to the opposite side of the other of said power capacitors.

2,628,332

MEASURING INSTRUMENT

Robert D. Richardson, Michigan City, Ind., assignor to The Hays Corporation, Michigan City, Ind., a corporation of Indiana
Application January 24, 1947, Serial No. 724,047
27 Claims. (Cl. 318-28)



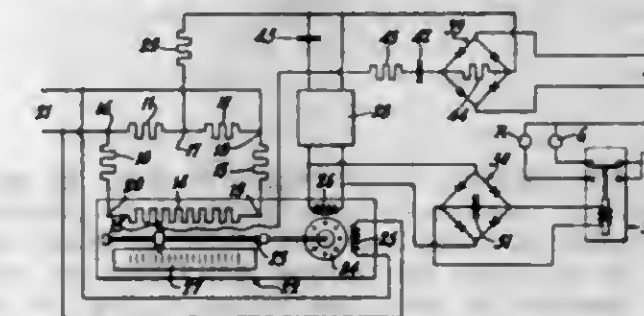
1. In combination, an alternating current bridge circuit including an impedance element directly responsive to a variable, supply terminals, a variable impedance connected to said sup-

ply terminals in parallel to said bridge and connected to an output terminal, said means being adjustable to balance said bridge circuit, amplifier means of the type having electron tubes and responsive to departure of said bridge from balanced condition for producing a signal depending in phase and amplitude upon the sense and extent of change of said variable, and a motor controlled by and directly connected to a tube of said last named amplifier means for adjusting said impedance, said motor being a reversible electric motor having a low inertia and a speed proportioned to the amplitude of the signal.

2,628,333

SAFETY MEANS FOR ELECTRICAL APPARATUS

Frederick L. Maltby, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application October 1, 1947, Serial No. 777,206
8 Claims. (Cl. 318-29)



1. In combination, an alternating-current electric motor having two cooperating circuits whereby operation of said motor will be obtained only when said circuits are energized at a common frequency, means for continuously energizing one of said circuits at a predetermined frequency, an electrical transducer having input and output terminals, the latter terminals being connected to the other of said motor circuits, an adjustable network adapted to be energized at said predetermined frequency and connected to the input terminals of said transducer, whereby to apply to the other motor circuit a variable voltage of said frequency to effect correspondingly variable operation of said motor, means for impressing between said input terminals another voltage having a magnitude substantially independent of the adjusted condition of said network and of a frequency differing from said predetermined frequency and ineffective to coact with said voltages applied to said motor to operate the same, and means subject to the total output voltage of said transducer for operation to provide an indication of the presence or absence of such voltage.

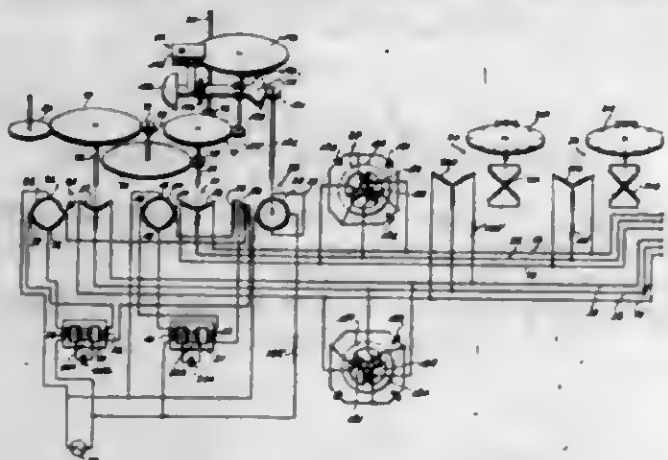
2,628,334

COMPENSATED FOLLOW-UP SYSTEM

Leland Clay Weathers, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application March 14, 1945, Serial No. 582,716
16 Claims. (Cl. 318-30)

1. A self-synchronous system for maintaining a controlled device in substantial synchronism with a control device, said controlled device providing a friction load increasing with the speed of said controlled device and an acceleration load varying with changes in speed of said controlled device, said system comprising, a self-synchronous transmitter having relatively rotatable members and means for producing an alternating field in said members, one of said members

being driven by said control device, a variable speed power means for driving said controlled device, a self-synchronous receiver electrically connected to said transmitter and driven by said power means, means responsive to voltages resulting from an angle of disagreement between said receiver and said transmitter for controlling said power means to cause said controlled device to follow said control device, and compensator means, said compensator means including means responsive to the speed of said control

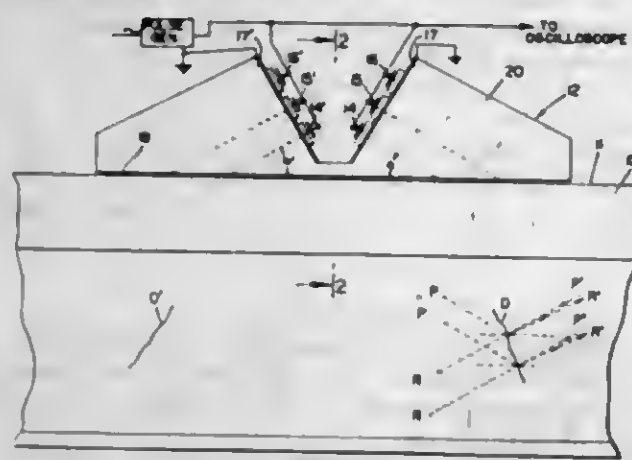


device for rotating said magnetic field in said transmitter relative to said members to produce an effective increase in said angle of disagreement to increase the power delivered by said power means to said controlled device in an amount substantially compensating for the increase of said friction load as the speed of said devices increases, and means responsive to changes in speed of said control device for effectively varying said angle of disagreement to vary the power delivered by said power means to compensate for variations in said inertia load.

2,628,335

ULTRASONIC RAIL FLAW DETECTOR SEARCH UNIT

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Danbury, Conn., a corporation of New York
Application August 10, 1950, Serial No. 178,626
6 Claims. (Cl. 318-114)



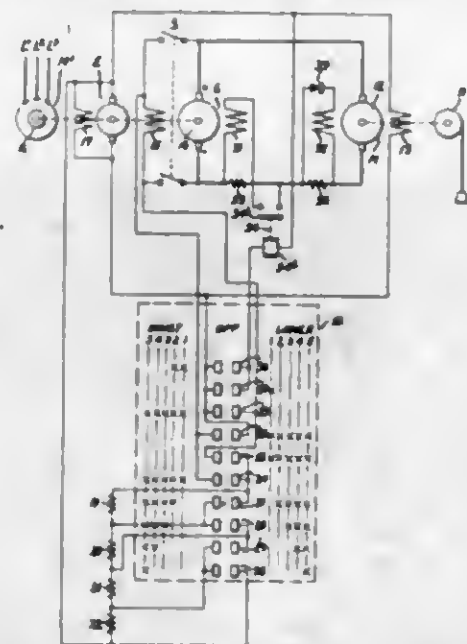
1. An ultrasonic rail test search unit comprising supporting means adapted to be moved along the rail, a plurality of electro-acoustic transducers for transmitting pulses and receiving reflections thereof, a pulse generator, means whereby said pulse generator energizes all of said transducers simultaneously, said supporting means having means for supporting certain of said transducers for transmission and reception of pulses at an angle to the rail tread surface in a given direction, said supporting means having

means for supporting certain other of said transducers for transmission and reception of pulses at an angle to the rail tread surface in a different direction.

2,628,336

VARIABLE VOLTAGE MOTOR CONTROL SYSTEM

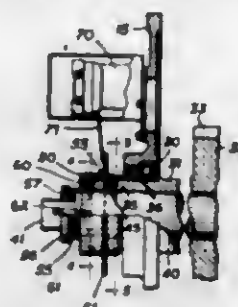
Jesse E. Jones, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 17, 1952, Serial No. 282,736
7 Claims. (Cl. 318-144)



1. In a variable voltage system for hoists, a generator, a compound motor supplied thereby and having a series field winding, means to effect reverse operations of said motor by reversing the polarity of a field winding of said generator and to vary the excitation of said generator to provide for said motor a plurality of hoist and lowering speed points, and means associated with the former means including a rectifier to effect inclusion of said motor series field winding on all lowering points under overhauling load conditions and to exclude said motor series field winding from circuit under power lowering conditions.

2,628,337

SHEAR PIN CUTOFF FOR STOKER MOTORS
Delmond L. Getz, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application March 16, 1950, Serial No. 149,953
3 Claims. (Cl. 318-475)



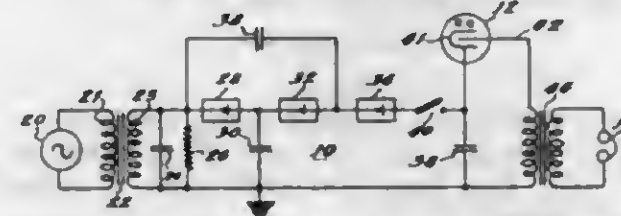
1. In a stoker system for supplying fuel and combustion air to a retort, the combination of a driving member in the form of a sleeve, a driven member in the form of a shaft within said sleeve, a shear pin extending through said sleeve and said shaft and normally coupling said driving and said driven members together, an actuating member loosely mounted on said sleeve

and having parts drivingly engaged by said shear pin to normally cause rotation of said actuating member with said driving and driven members, means on said actuating member overlying and retaining said shear pin in assembled position, means for yieldably biasing said actuating member toward a normal position overlying said shear pin, means positively operable upon relative rotation between said driving member and said driven member for moving said actuating member on said sleeve following the shearing of said pin, and control means engaged by said actuating member upon movement thereof to terminate the operation of said system.

2,628,338

PORTABLE VOLTAGE SUPPLY FOR RADIATION COUNTERS

Charles D. Gould, Cleveland, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission
Application December 29, 1950, Serial No. 203,416
12 Claims. (Cl. 320-1)



1. A power supply comprising, in combination, means to generate a D. C. voltage including a spring powered generator, capacitive storage means connected to the means to generate, a switch connected between the storage means and the means to generate, and means connected to the means to generate for actuating the switch, said means closing the switch only during the period of time during which the means to generate is operating.

2,628,339

PORTABLE FLASHLIGHT WITH STORAGE BATTERY AND RECTIFIER

Walter Arthur Werner, Fort Wayne, Ind.
Application November 1, 1948, Serial No. 57,763
4 Claims. (Cl. 320-2)

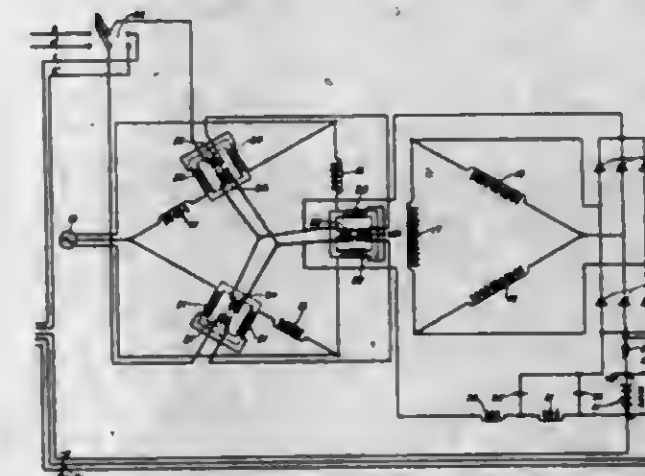


1. A portable flashlight with rechargeable secondary battery, comprising a transparent container forming simultaneously the handle of the flashlight and the container of the rechargeable battery, said container being provided with inner threads at one end and having an imperforate end wall at the other end, a disk shaped threaded member engaging the threaded end portion of the container closing the container in a fluid tight manner, the disk shaped member being provided with two threaded openings, electrodes having their ends projecting into the said openings of the disk and spaced apart at these ends, said electrodes converging towards and

passing through the center of the container in the section adjacent to the spaced ends, a plurality of funnels filling the entire cross section of the container and provided with a central opening, the electrodes passing through said central opening, a fluid retaining disk in said container near said funnels, provided with small holes and with a central hole for the passage of the electrodes, imperforate metallic closing caps with inwardly turned threaded sleeves, the latter being provided with closed central bores threaded into and tightly secured in the threaded openings of said disk member, said sleeves receiving the ends of the electrodes within their bores, a refilling stopper tightly secured within said disk member, two annular contact making means arranged on the outside of said container at a distance from each other and insulated from each other, each of said contact making means being connected with one of the metallic caps receiving said electrodes.

2,628,340

VOLTAGE AND CURRENT REGULATION
James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1947, Serial No. 764,490
11 Claims. (Cl. 321-19)

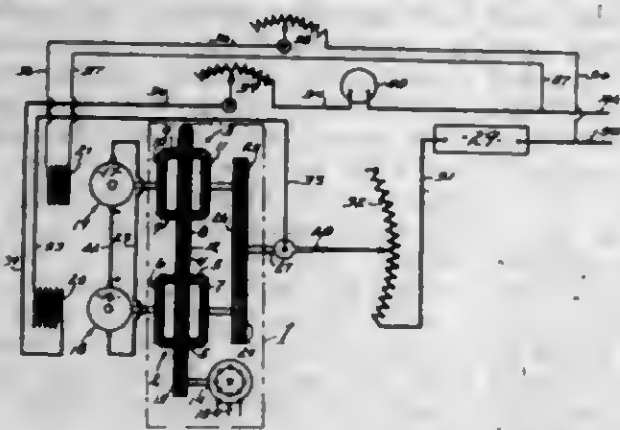


8. In combination, a rectifier for rectifying current supplied thereto from an alternating-current supply source and for supplying the rectified current to a load, a saturable reactor having a core and on said core an alternating-current winding the reactance of which may be controlled for controlling the current supplied from said source to said rectifier, said reactor having on said core two saturating windings to which direct currents are supplied for setting up aiding unidirectional magnetomotive forces in said core, means for connecting one of said saturating windings in series with said load so that the rectified load current flows through said saturating winding, an auxiliary rectifier for rectifying current from said supply source, a space current device having a space current path and control means for controlling the resistance of said space current path, means for supplying current from said auxiliary rectifier through said space current path to the second saturating winding, space current amplifying means for setting up a unidirectional voltage having variations corresponding to load voltage changes when the load current is less than a certain value and having variations corresponding to load current changes when the load current has an amplitude greater than said certain value, and means for impressing said unidirectional voltage upon said control means to control the resistance of said space current path.

2,628,341

ELECTRIC REGULATOR

Lev A. Trofimov, Willoughby, Ohio
Application June 12, 1948, Serial No. 32,626
3 Claims. (Cl. 323-43.5)



1. In an electrical regulating apparatus for regulating to substantially a predetermined value an electrical quantity of an electric circuit, a regulator connected to the circuit and comprising an alternately movable regulator part effective to respectively increase and decrease the electrical quantity of the circuit by its alternate movement; a power transmission of the differential gearing type, comprising a rotary power input part adapted to be connected to and continuously driven at substantially constant speed by a rotary power source; and comprising a rotary output element, and two rotary torque developing elements to which elements input torque from the power source is differentially transmitted; the rotary torque developing elements being in the form of electric generators having electric load circuits and magnetic fields and developing torque to resist being rotated commensurable with the strengths of their fields, and one having a field of substantially constant strength and the other energized by a winding and of strength commensurable with its energization; the transmission applying a biasing torque from the output element to the regulator part commensurable with the torque developed by the one generator tending to move the regulator part in one direction; and the transmission applying variable torque from the output element to the regulator part commensurable with the torque developed by the other generator tending to move the regulator part in the other direction; the said field winding of the other generator being connected to be energized commensurably with the said electrical quantity; and the transmission responding to energization of the field winding to effect a balance between said applied torques at a predetermined value of said electrical quantity.

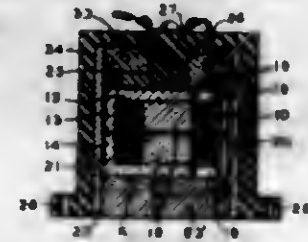
2,628,342

INDUCTANCE COIL

Roland C. Taylor, Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 25, 1945, Serial No. 618,429
7 Claims. (Cl. 336-45)

6. A shielded inductance device for audio frequency operation comprising an outer one-piece molded casing of insulating material open at one end and having a cover at the other end, an integral central post on the inside of said cover, a copper tube closely fitting in said casing, a coil unit including a magnetic core mounted in said tube which surrounds said core as closely as commercial tolerances permit, whereby said closely nested core, tube and casing form a compact

assembly of minimum diameter, said tube being of such thickness and conductivity that the eddy currents induced therein are sufficiently strong to act as a low-loss shield for the coil unit, the coil loss due to the close proximity of the tube to the magnetic core being effectively decreased by the loss-reducing action of the tube due to its

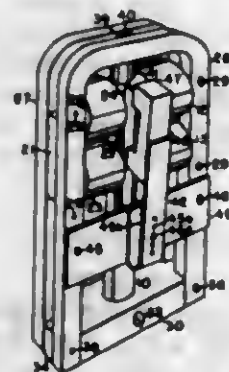


thickness, one end of said core abutting against the inner end of said post which holds the coil unit centrally within the tube, and an adhesive filler covering the other end of said core and closing the open end of said tube and casing, whereby said coil unit is firmly held in said tube and completely enclosed.

2,628,343

MECHANICAL VIBRATING DEVICE

Joseph J. Murray, Jr., Garland, Tex., assignor to Varo Mfg. Co., Inc., Garland, Tex., a corporation of Texas
Application February 11, 1950, Serial No. 143,661
5 Claims. (Cl. 340-16)



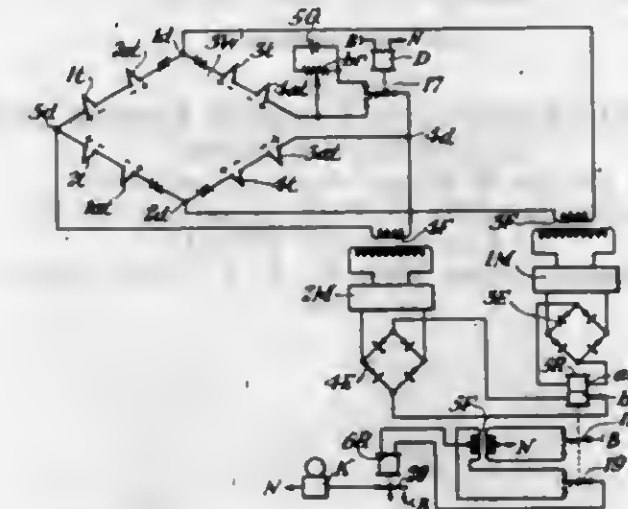
1. A mechanical vibrating device comprising: a frame structure; electromagnetic driving means and electromagnetic pick-up means rigidly supported by said frame structure, said driving and pick-up means producing magnetic fields; a vibrator of magnetic material disposed between said driving and pick-up means in said magnetic fields and maintained in position by such frame structure, said driving means maintaining said vibrator in vibration, said vibrator inducing a voltage in said pick-up means when in vibration; calibrating means supported by said frame structure, said means comprising a first body of magnetic material disposed adjacent said vibrator and said driving and pick-up means, and means for varying the distance of said body from said vibrator and said driving and pick-up means for varying the magnetic force gradient of said magnetic fields parallel to the direction of vibration of said vibrator; and means for maintaining the frequency of vibration of said vibrator substantially constant with change in temperature, said last mentioned means comprising a bimetallic strip having one end rigidly secured to said frame support and having a free end whose distance from said vibrator and said driving and pick-up means varies in accordance with temperature, and a second body of magnetic material rigidly

secured to said free end of said bimetallic strip for varying the magnetic force gradient of said magnetic fields parallel to the direction of vibration of said vibrator in accordance with the temperature of said vibrator.

2,628,344

HOT BEARING INDICATION APPARATUS

Paul S. Johnson, Washington, D. C., and Lester E. Spray, Wilkensburg, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application July 15, 1948, Serial No. 38,796
8 Claims. (Cl. 340-47)

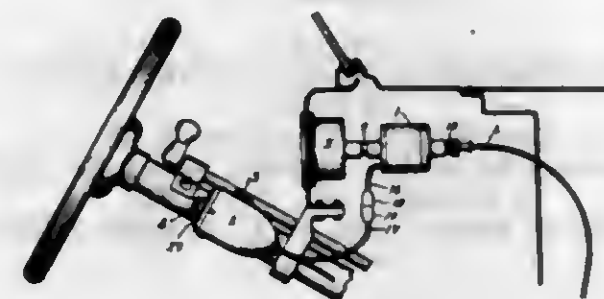


1. Heat indication apparatus for two appliances comprising, in combination, a thermoelectric device for each of said appliances each placed to be affected by the temperature of the associated appliance, a Wheatstone bridge in one arm of which said thermoelectric devices are connected in opposition so that electric potentials generated by said thermoelectric devices oppose each other, indication means, and means controlled by the potential drop across opposite points of said bridge for operating said indication means in response to electric potential produced by either of said thermoelectric devices because of abnormal heating of the associated appliance.

2,628,345

VEHICLE SPEED WARNING DEVICE

George B. Tod, Schenectady, N. Y.
Application August 3, 1951, Serial No. 240,147
1 Claim. (Cl. 340-54)



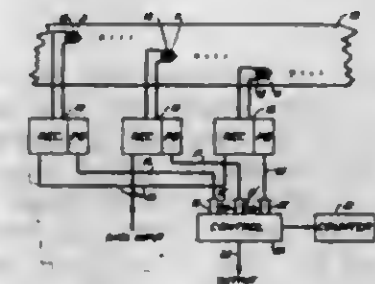
An adjustable speed warning device for use with a vehicle having a speedometer cable, a generating element having means adapted for operative connection to the said speedometer cable of the vehicle to generate a voltage proportional to the speed of the vehicle, a normally open circuit including a source of energy independent of said

generator means operable by the generator output for completing said normally open circuit when the generator output reaches or exceeds a predetermined value to thereby actuate a warning device, variable resistance means for varying the power supply to said circuit completing means from said generator to provide for operation of said warning device at any selected vehicle speed, said variable resistance and said warning device being carried by the vehicle, and means for manually operating said variable resistance means cooperating with suitable indicia whereby said variable resistance may be changed, in accordance with the said selected vehicle speed.

2,628,346

MAGNETIC TAPE ERROR CONTROL

William H. Burkhardt, East Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 3, 1951, Serial No. 254,770
10 Claims. (Cl. 340-174)

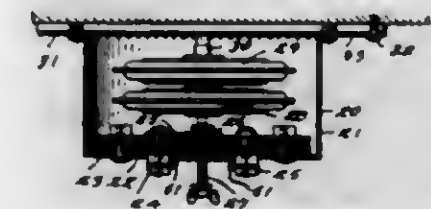


3. In a magnetic spot recording system wherein information is recorded on a movable magnetic storage medium, the combination of a plurality of record circuits associated with said medium and adapted to simultaneously record the same information in a plurality of longitudinally and laterally spaced portions thereof, a plurality of playback circuits associated with the said medium and adapted to be driven simultaneously by the several recordings of each information item, and a circuit controlled by all of said playback circuits to produce a signal indicative of that produced by a majority of the playback circuits.

2,628,347

FIRE ALARM

John C. Foster, Sr., Odessa, Tex., assignor of one-half to Ona B. Laird, Odessa, Tex.
Application December 11, 1950, Serial No. 200,199
4 Claims. (Cl. 340-229)

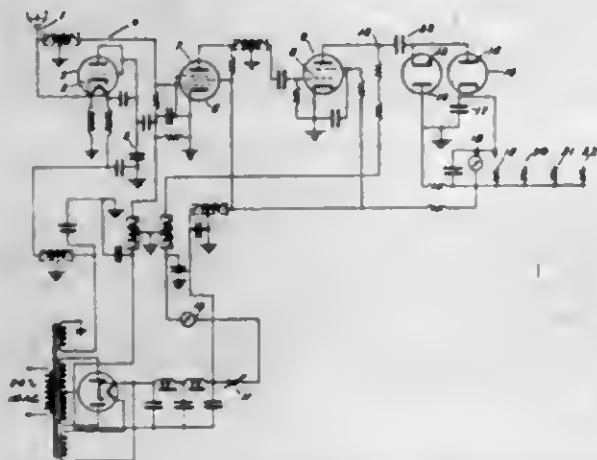


4. A visual fire alarm including a source of energy, a thermostatic switch, a closed container positioned in confronting relation to a wall of a building, having the letters "Fire" cut in reverse through the inner end thereof for the projection of the word "Fire" in the adjacent wall, means for varying the distance of said container from said wall, a light source of said container and a circuit from said source of energy to said light source simultaneously operable by closure of said switch.

2,628,348

INSTRUMENT FOR MEASURING THE RATIO OF PULSE WIDTH TO PULSE RECURRENCE PERIOD OF RECURRENT PULSE SIGNALS

Robert M. Page, Washington, D. C.

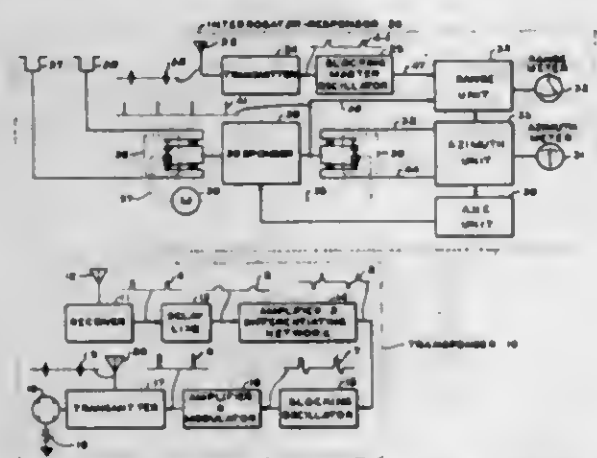
Application September 26, 1942, Serial No. 459,801
9 Claims. (Cl. 343-5)(Granted under Title 35, U. S. Code (1952),
sec. 266)

8. In a device for determining the operational properties of a pulse oscillator, the combination of; an energy storing element, a charging circuit including a substantially fixed direct current source, means coupling said storage element to said substantially fixed direct current source in response to and for the duration of each output pulse from the oscillator to charge the energy storing element at a fixed rate in response to and for the duration of each output pulse from the oscillator, discharge means coupled to said element for discharging the energy stored therein also at a predetermined rate, and an indicator coupled to said storage element for indicating the average charge developed thereacross.

2,628,349

HOMING SYSTEM

Kenneth W. Nightenheiser, Dayton, Ohio

Application September 13, 1944, Serial No. 553,859
12 Claims. (Cl. 343-6)(Granted under Title 35, U. S. Code (1952),
sec. 266)

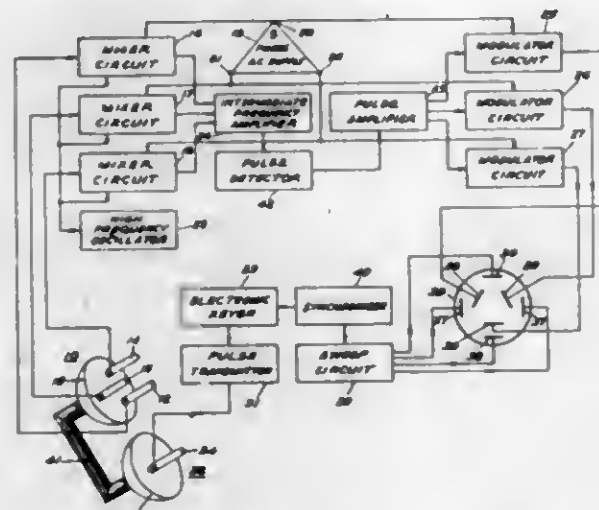
1. In an interrogator-responder-transponder system, a range measuring unit for determining range between said interrogator-responder and said transponder, said unit comprising a sawtooth voltage wave generator connected to said interrogator, an adjustable limiter connected to said generator, said limiter transmitting variable portions of said voltage wave, depending upon the biasing potential impressed on said limiter, a network having two parallel channels connected to said limiter for generating an early

gate pulse in one channel and a late gate pulse in the other channel, early and late gate tubes connected respectively to said channels and said responder, said responder impressing on said tubes beacon signals received from said transponder, said tubes being rendered conductive only when there is at least partial coincidence of the gate pulses and said beacon signals, a comparison circuit connected between said tubes for comparing the outputs of said tubes, a connection between the output of said comparison circuit and said limiter for adjusting the biasing potential of said limiter to keep said beacon signal symmetrically disposed with respect to said gate pulses, and a meter connected to said limiter for measuring said biasing potential, said biasing potential corresponding to said range.

2,628,350

RADIO FREQUENCY ENERGY RANGE AND DIRECTION FINDER

Robert M. Page, Washington, D. C.

Application July 27, 1942, Serial No. 452,535
13 Claims. (Cl. 343-11)(Granted under Title 35, U. S. Code (1952),
sec. 266)

12. In a direction finder, receiver means producing a directional receiving beam, means rotating said beam to describe a circle about a source of electrical energy, an oscilloscope, electron beam deflection circuit means producing a circular sweep of the electron beam of said oscilloscope synchronized with the rotation of said directional receiving beam, and means coupling the output of said receiver means to said electron beam deflection circuit means operative to deflect the electron beam trace in response to the received energy signal.

2,628,351

LOW FREQUENCY SIMPLIFIED LORAN SYSTEM

Leo Mackta, Brooklyn, N. Y.

Application November 14, 1949, Serial No. 127,211
2 Claims. (Cl. 343-104)(Granted under Title 35, U. S. Code (1952),
sec. 266)

1. A navigation system for locating the position of a mobile station, comprising a master station transmitting a constant frequency carrier con-

tinuously modulated with a varying audio frequency, a slave station transmitting a constant frequency carrier continuously modulated with a varying audio frequency in simultaneous and in exact phase relation as transmitted with the master station modulation, receiver means at the mobile station receiving the modulated carrier from both said master and slave stations, indicator bearing adjustable tuned circuit means

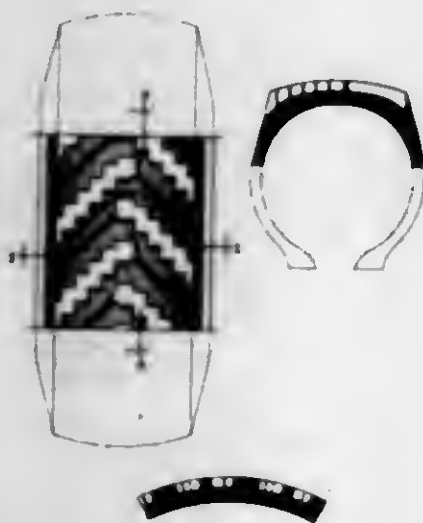
receiving its input from said receiver means, and null signal indicator means responsive to the output of said tuned circuit means for indicating the frequency at which cancellation of the modulations received at said mobile station from said master and slave stations occurs from which a delay line of known geographical location may be identified as the position of the mobile station.

DESIGNS

FEBRUARY 10, 1953

168,775
TIRE

George O. Beckman, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application July 22, 1952, Serial No. 20,722
Term of patent 14 years
(Cl. D90-20)



The ornamental design for a tire, as shown and described.

168,776
EXPANSIBLE CHAIN FOR A WRIST WATCH BRACELET OR THE LIKE

William C. Boots, Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass., a corporation of Massachusetts
Application October 20, 1951, Serial No. 17,056
Term of patent 14 years
(Cl. D45-4)



The ornamental design for an expansible chain for a wrist watch bracelet or the like, substantially as shown and described.

486

168,777
ELECTRIC LAMP
David Borowitz, Chicago, Ill.
Application June 4, 1952, Serial No. 20,037
Term of patent 3½ years
(Cl. D48-20)



The ornamental design for an electric lamp, substantially as shown and described.

168,778
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,004
Term of patent 3½ years
(Cl. D48-20)



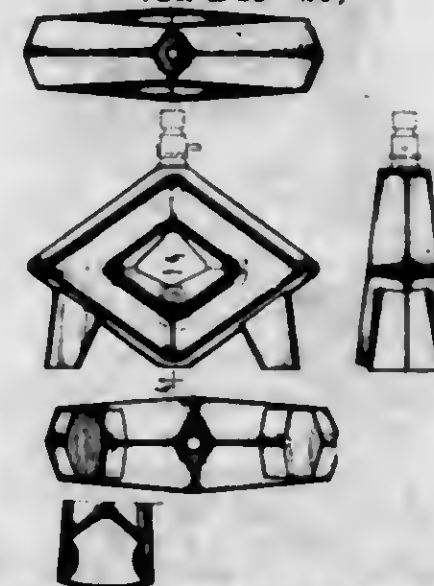
The ornamental design for an electric lamp base, substantially as shown and described.

FEBRUARY 10, 1953

U. S. PATENT OFFICE

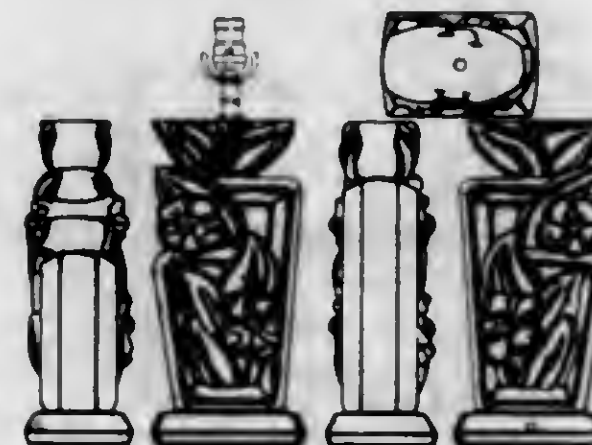
487

168,779
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,005
Term of patent 3½ years
(Cl. D48-20)



The ornamental design for an electric lamp base, substantially as shown and described.

168,780
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,007
Term of patent 3½ years
(Cl. D48-20)



The ornamental design for an electric lamp base, substantially as shown and described.

168,781
BEAD OR SIMILAR ARTICLE
Arthur C. Braun, Summit, N. J.
Application August 15, 1952, Serial No. 21,051
Term of patent 3½ years
(Cl. D45-1)



The ornamental design for a bead or similar article, as shown.

168,782
CHAIR-DESK
Laurence W. Brullin, New York, N. Y., and Laird F. Covey, Darien, Conn., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 13, 1952, Serial No. 21,033
Term of patent 14 years
(Cl. D33-11)



The ornamental design for a chair-desk, substantially as shown.

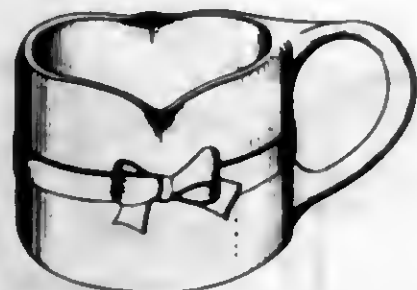
168,783
COMBINED AEROSOL CONTAINER AND DISPENSER
Rocco A. Colotti, Brooklyn, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application August 22, 1952, Serial No. 21,163
Term of patent 14 years
(Cl. D31-3)



The ornamental design for a combined aerosol container and dispenser, substantially as shown and described.

168,784
CUP

Christy M. Del Mas, New York, N. Y.
Application March 28, 1952, Serial No. 19,099
Term of patent 14 years
(Cl. D44-9)



The ornamental design for a cup, as shown and described.

168,785

SHOE OR SIMILAR ARTICLE

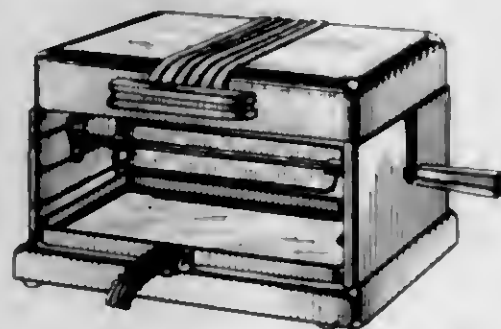
Max Eisenberg, New York, N. Y., assignor to
Desco Shoe Corp., Long Island City, N. Y.
Application August 6, 1952, Serial No. 20,926
Term of patent 14 years
(Cl. D7-7)



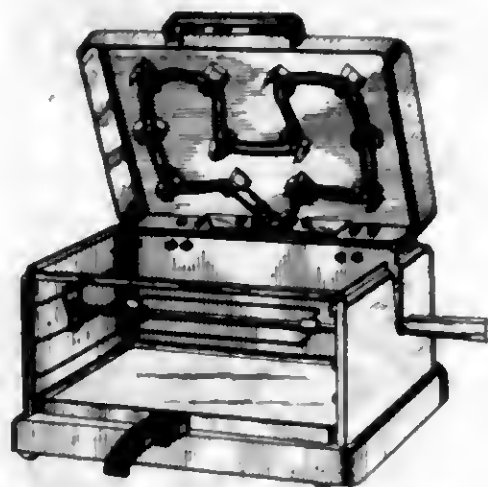
The ornamental design for a shoe or similar article, substantially as shown and described.

168,786
BROILER

Morris A. Feinstein, Chicago, Ill.
Application February 26, 1952, Serial No. 18,675
Term of patent 3½ years
(Cl. D81-10)



168,786—Continued

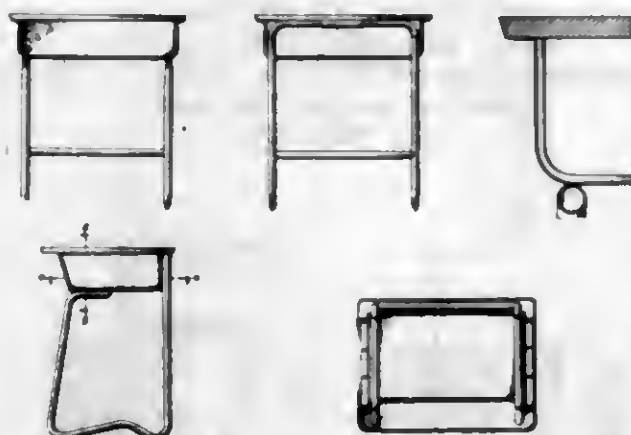


The ornamental design for a broiler, as shown and described.

168,787

SCHOOL DESK

Gordon W. Florian, Fairfield, Harry W. Streck, Bridgeport, and William E. Kelsey, Jr., Fairfield, Conn.
Application April 15, 1952, Serial No. 19,336
Term of patent 3½ years
(Cl. D33-11)

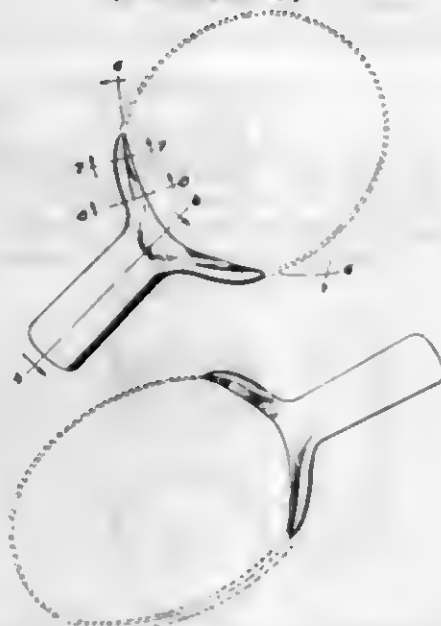


The ornamental design for a school desk, substantially as shown.

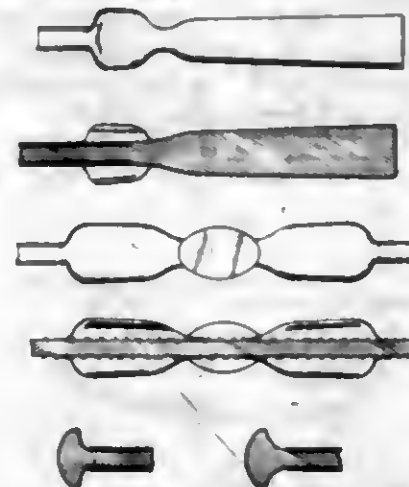
168,788

TABLE TENNIS BAT

George H. Forsyth, Chicago, Ill.
Application February 28, 1952, Serial No. 18,697
Term of patent 14 years
(Cl. D34-5)



168,788—Continued

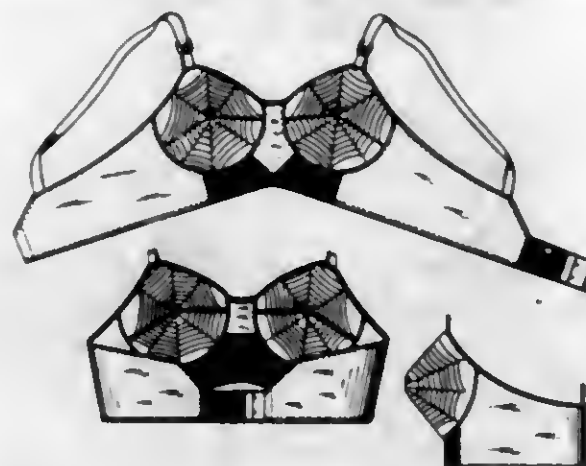


The ornamental design for a table tennis bat, as shown and described.

168,789

BRASSIÈRE

Arthur Garson, New York, N. Y.
Application November 4, 1952, Serial No. 22,121
Term of patent 14 years
(Cl. D20-4)

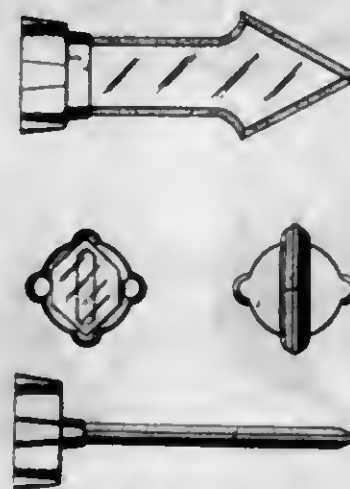


The ornamental design for a brassière, substantially as shown

168,790

DIRECTIONAL ARROW

Elmer H. Geissler, Atlanta, Ga.
Application July 31, 1952, Serial No. 20,866
Term of patent 7 years
(Cl. D72-1)

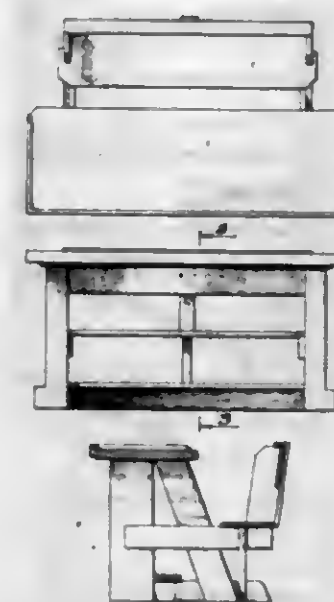


The ornamental design for a directional arrow, substantially as shown and described.

168,791

COMBINATION SEAT AND TABLE OR SIMILAR ARTICLE

Hugh J. Giltner, San Francisco, Calif.
Application September 15, 1952, Serial No. 21,487
Term of patent 14 years
(Cl. D33-11)

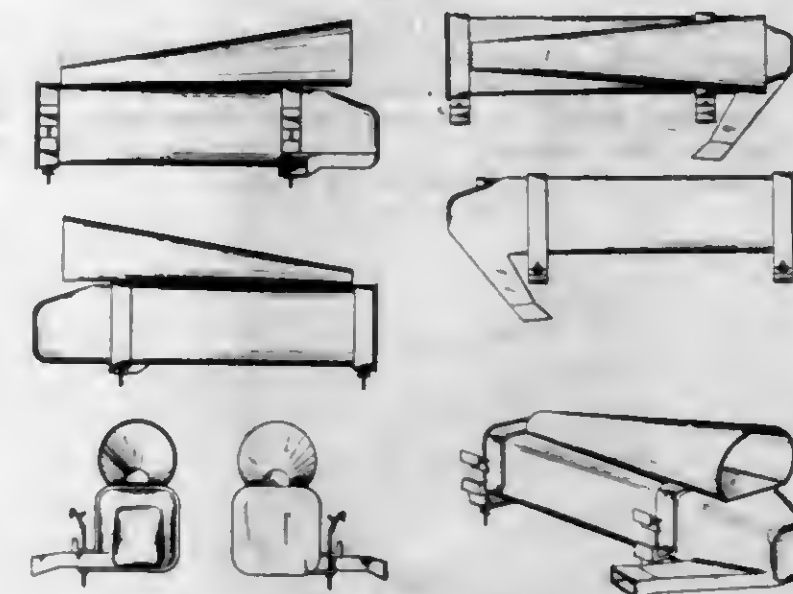


The ornamental design for a combination seat and table or similar article, as shown.

168,792

AUTOMOBILE COOLER

Theron L. Hedgpeth, Annapolis, Calif., assignor to
Carl Lynch, Kingman, Ariz.
Application January 22, 1952, Serial No. 18,144
Term of patent 14 years
(Cl. D14-6)

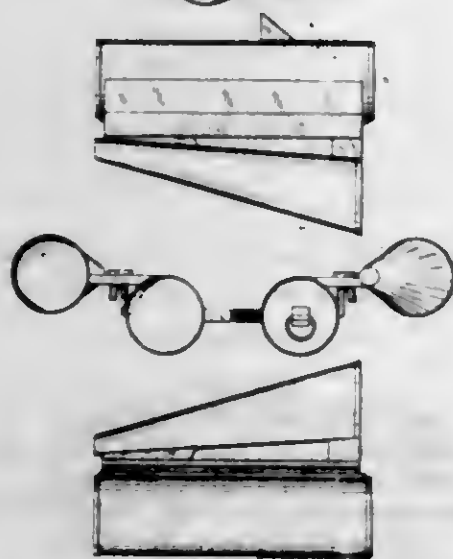
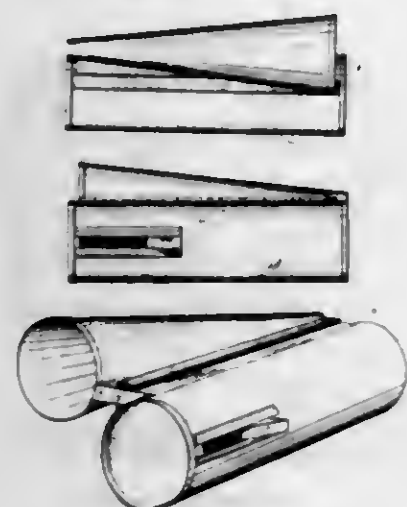


The ornamental design for an automobile cooler, as shown.

168,793

AUTOMOBILE COOLER

Theron L. Hedgpeth, Annapolis, Calif., assignor to
Carl Lynch, Kingman, Ariz.
Application January 29, 1952, Serial No. 18,273
Term of patent 14 years
(Cl. D14-6)

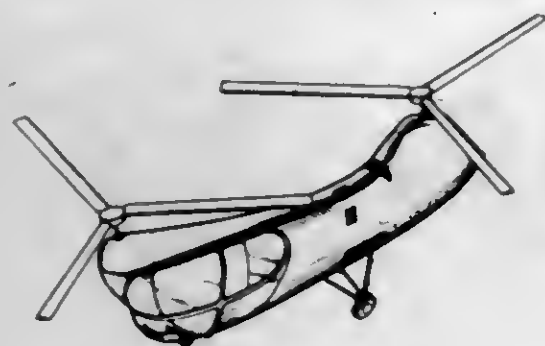


The ornamental design for an automobile cooler, as shown.

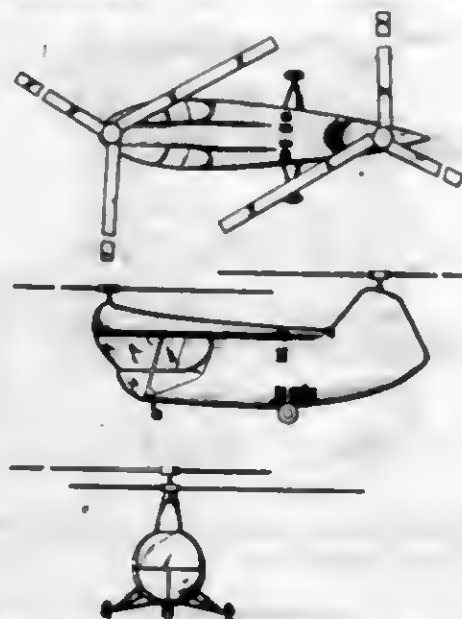
168,794

HELICOPTER

Dragoljub K. Jovanovich, Redondo Beach, Calif.,
assignor to McCulloch Motors Corporation, Los
Angeles, Calif., a corporation of Wisconsin
Application February 12, 1951, Serial No. 14,188
Term of patent 14 years
(Cl. D71-1)



168,794—Continued

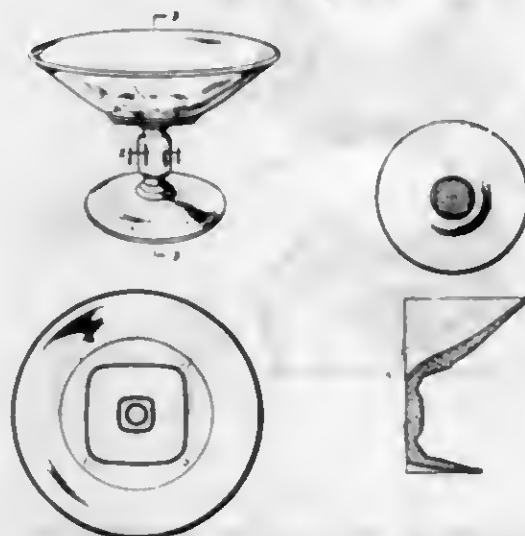


The ornamental design for a helicopter, as shown.

168,795

GLASS COMPORT OR SIMILAR ARTICLE

Horace King, Granville, Ohio, assignor to A. H.
Helsey & Company, Newark, Ohio
Application May 9, 1951, Serial No. 15,109
Term of patent 3½ years
(Cl. D36-2)



The ornamental design for a glass comport or similar article, substantially as shown and described.

168,796

STOCKING OR SIMILAR ARTICLE

Richard H. Kinley and Frank W. Kinley,
York, Pa.
Application July 7, 1952, Serial No. 20,501
Term of patent 14 years
(Cl. D47-7)

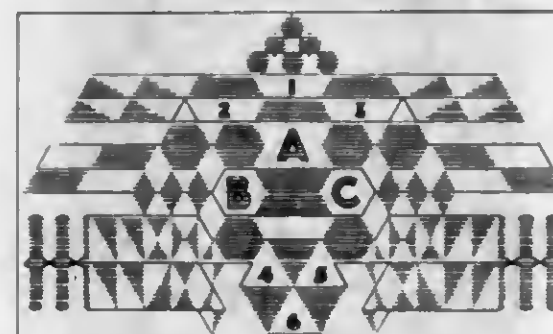


The ornamental design for a stocking or similar article, as shown.

168,797

BLANK FOR A MAP OR SIMILAR ARTICLE

Benjamin Klein, New York, N. Y.
Application July 27, 1951, Serial No. 16,049
Term of patent 3½ years
(Cl. D25-1)

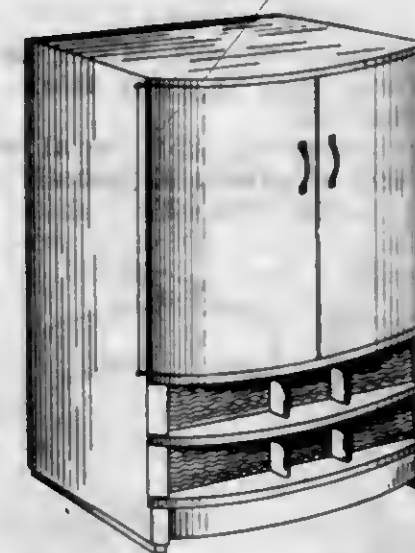


The ornamental design for a blank for a map or similar article, substantially as shown and described.

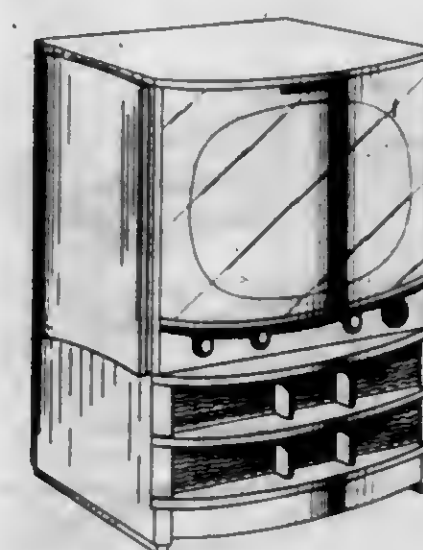
168,798

TELEVISION CABINET

Leslie G. Martin, Rochester, N. Y., assignor to
Stromberg-Carlson Company, a corporation of
New York
Application May 7, 1952, Serial No. 19,625
Term of patent 14 years
(Cl. D56-4)



168,798—Continued

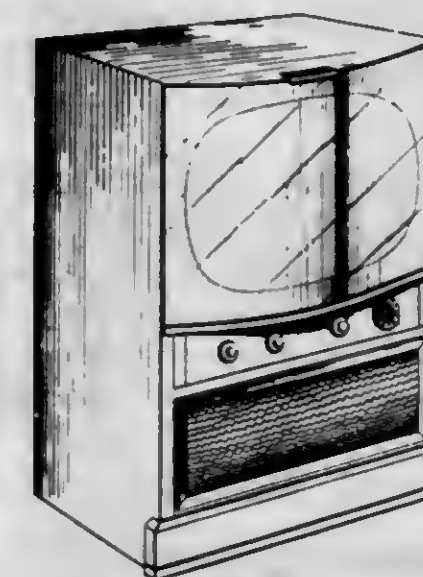


The ornamental design for a television cabinet, as shown and described.

168,799

TELEVISION CABINET

Leslie G. Martin, Rochester, N. Y., assignor to
Stromberg-Carlson Company, a corporation of
New York
Application May 7, 1952, Serial No. 19,626
Term of patent 14 years
(Cl. D56-4)

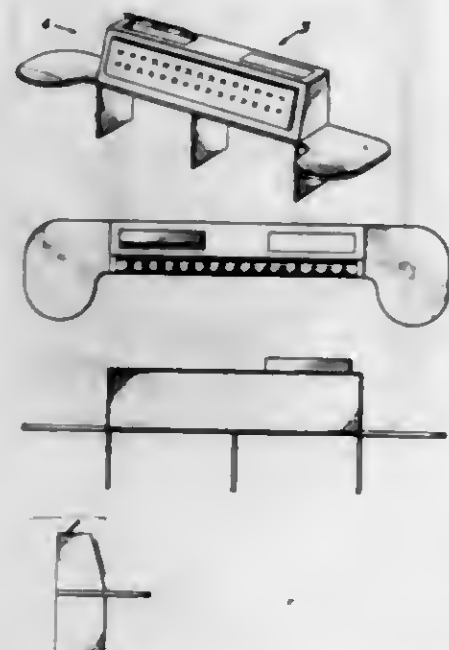


The ornamental design for a television cabinet, as shown and described.

168,800

BED HEADBOARD OR SIMILAR ARTICLE

Cecil Edgar May, Hollywood, Calif.
Application April 28, 1952, Serial No. 19,498
Term of patent 14 years
(Cl. D5-4)

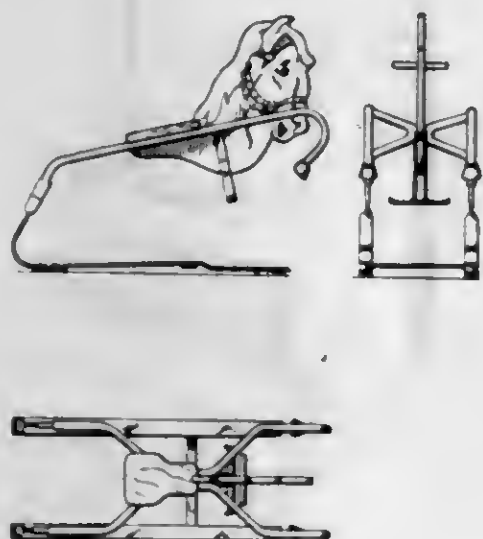


The ornamental design for a bed headboard or similar article, substantially as shown.

168,801

HOBBYHORSE

Burton L. Murray, Colton, Raymond A. Tefft, Beaumont, and Lindsay L. Hubby, San Bernardino, Calif.
Application August 5, 1952, Serial No. 20,896
Term of patent 14 years
(Cl. D34-15)

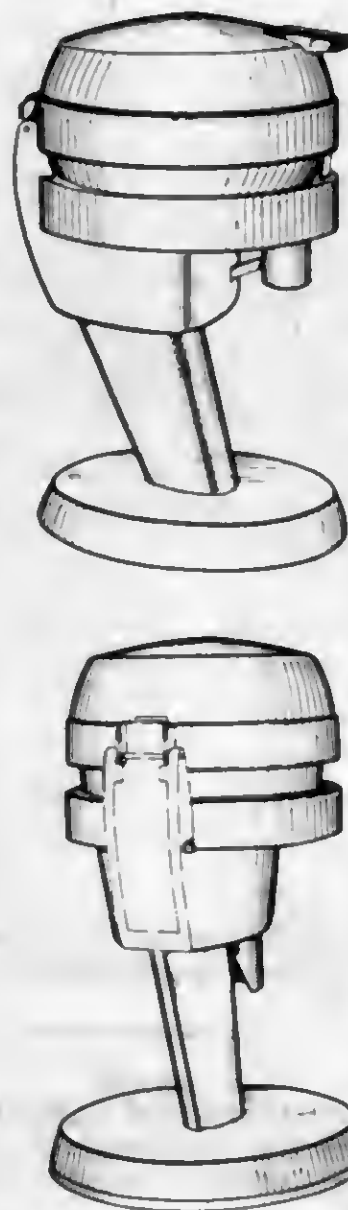


The ornamental design for a hobbyhorse, substantially as shown.

168,802

MELTED BUTTER DISPENSER

Frederick H. Newman, Jr., Port Washington, and Clifford Brooks Stevens, Milwaukee, Wis., assignors to Superdisplay Incorporated, Milwaukee, Wis., a corporation of Wisconsin
Application September 29, 1952, Serial No. 21,634
Term of patent 14 years
(Cl. D2-3)

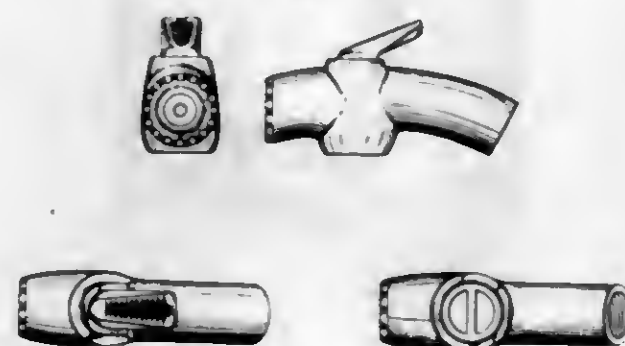


The ornamental design for a melted butter dispenser, substantially as shown and described.

168,803

SINK SPRAY

Vincent R. O'Brien, St. Paul, Minn., assignor to Fastee Products, Inc., St. Paul, Minn., a corporation of Minnesota
Application February 24, 1951, Serial No. 14,314
Term of patent 14 years
(Cl. D91-3)



The ornamental design for a sink spray, substantially as shown.

168,804

LINOLEUM RUG OR SIMILAR ARTICLE

Byron R. Parke, New York, N. Y., and Alben J. Millard, Bayonne, N. J., assignors to Congoleum-Nairn Inc., a corporation of New York
Application July 31, 1952, Serial No. 20,864
Term of patent 14 years
(Cl. D92-17)

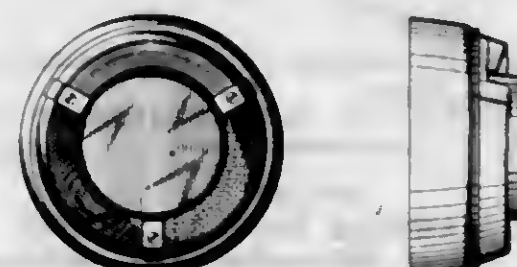


The ornamental design for a linoleum rug or similar article, substantially as shown and described.

168,805

TAIL LIGHT FIXTURE FOR AUTOMOBILES

Wayne R. Porter, Kansas City, Mo.
Application April 17, 1952, Serial No. 19,361
Term of patent 3½ years
(Cl. D48-32)



The ornamental design for a tail light fixture for automobiles, as shown and described.

168,806

LAPEL ORNAMENT OR THE LIKE

Ruth E. Rearick, Miami, Fla.
Application March 9, 1951, Serial No. 14,437
Term of patent 7 years
(Cl. D45-19)

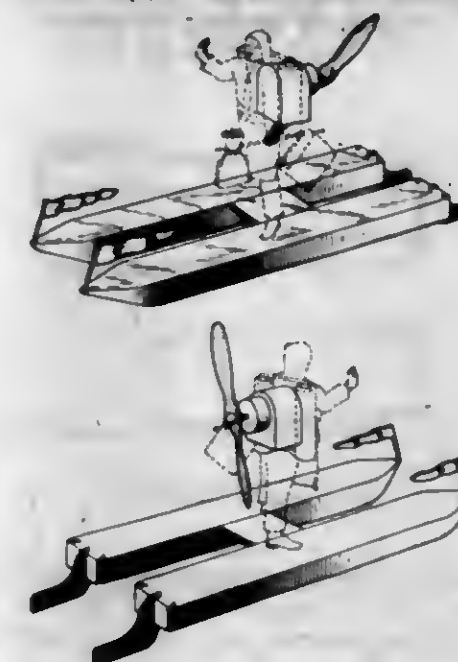


The ornamental design for a lapel ornament or the like, as shown.

168,807

SELF-PROPELLED TOY BOAT

Harold H. Reuther, Wyomissing, Pa.
Application April 17, 1951, Serial No. 14,873
Term of patent 3½ years
(Cl. D34-15)



The ornamental design for a self-propelled toy boat, as shown and described.

168,808

EXPANSIBLE BRACELET

Saul Ritter, New York, N. Y., assignor of one-half to Marvin J. Bruner, New York, N. Y.
Application January 12, 1951, Serial No. 13,781
Term of patent 7 years
(Cl. D45-4)

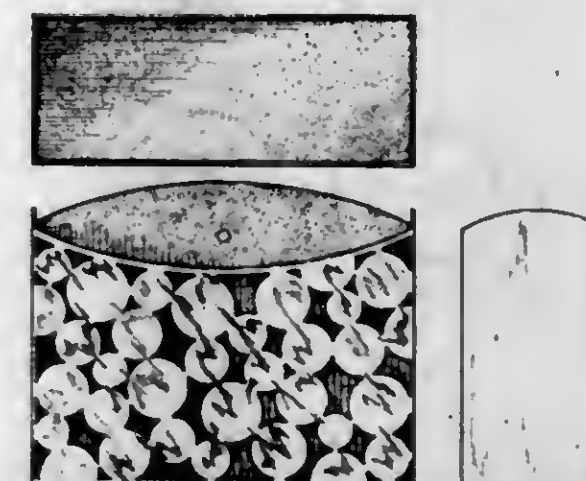


The ornamental design for an expansible bracelet, as shown and described.

168,809

WALL POCKET OR THE LIKE

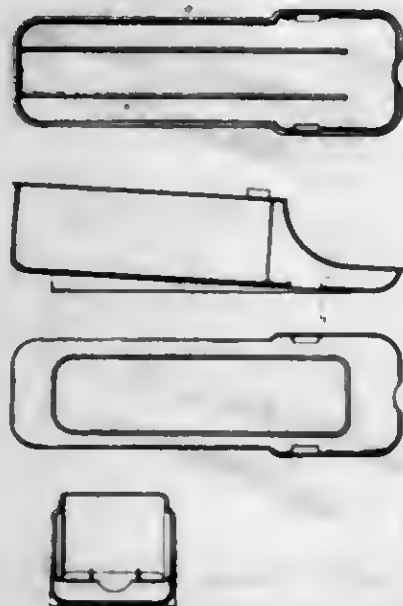
Mary Sapirstein, Bronx, N. Y.
Application September 8, 1951, Serial No. 16,579
Term of patent 3½ years
(Cl. D33-18)



The ornamental design for a wall pocket or the like, substantially as shown.

168,810

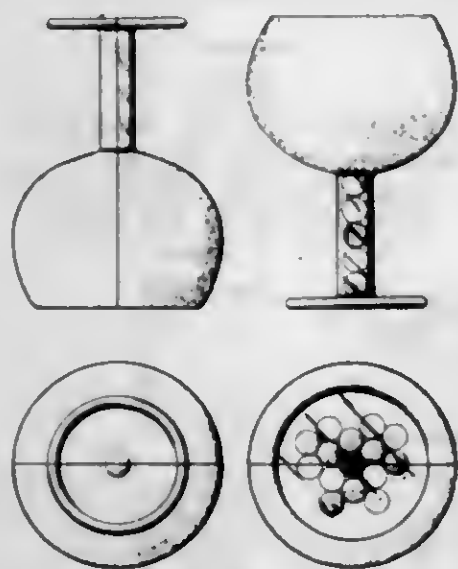
EGG CONTAINER FOR REFRIGERATORS
Joseph L. Sholkin, Newton, Mass., assignor to
Beacon Plastics Corporation, a corporation of
Massachusetts
Application April 23, 1952, Serial No. 19,444
Term of patent 14 years
(Cl. D67-3)



The ornamental design for an egg container
for refrigerators, as shown and described.

168,811

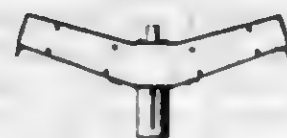
GAMING DEVICE
William Steig, New York, N. Y.
Application March 15, 1951, Serial No. 14,503
Term of patent 14 years
(Cl. D34-5)



The ornamental design for a gaming device, as
shown and described.

168,812

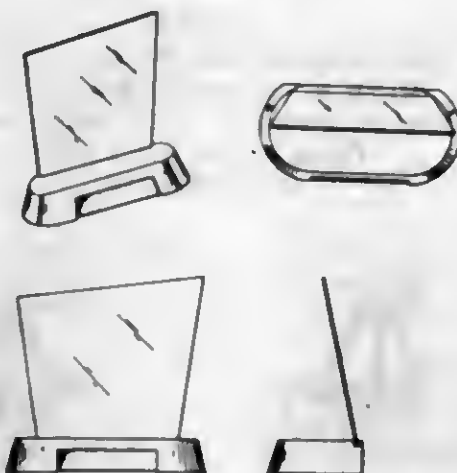
FLUORESCENT LIGHTING FIXTURE
James K. Ulrich, Groesbeck, Ohio
Application October 30, 1952, Serial No. 22,045
Term of patent 14 years
(Cl. D48-23)



The ornamental design for a fluorescent light-
ing fixture, as shown.

168,813

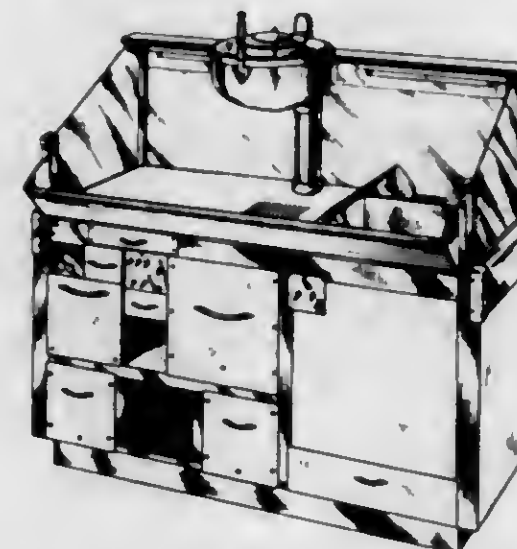
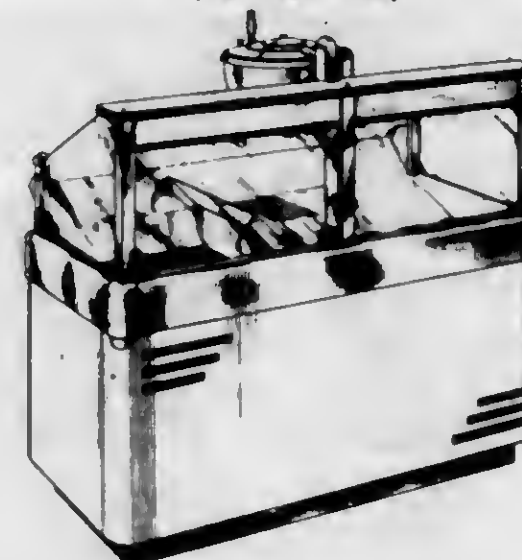
MERCHANDISE DISPLAY STAND
Gerhard J. Vetter, Milwaukee, Wis., assignor to
The Sanisco Display Company, Milwaukee, Wis.
Application May 11, 1951, Serial No. 15,147
Term of patent 14 years
(Cl. D80-9)



The ornamental design for a merchandise dis-
play stand, as shown.

168,814

POPCORN MACHINE
Samuel M. Waas, Kansas City, Mo., assignor to
Manley, Inc., Kansas City, Mo., a corporation
of Missouri
Application January 14, 1952, Serial No. 18,951
Term of patent 14 years
(Cl. D81-10)



The ornamental design for a popcorn machine,
as shown.

168,815

LINK

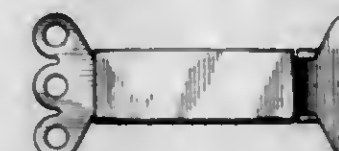
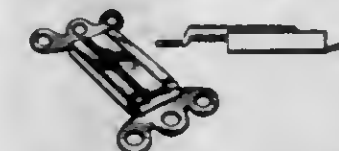
Leon Wertheimer and Roger J. Van Craeynest,
San Francisco, Calif., assignors to U. S. Dia-
mond Ring Co., New York, N. Y., a corporation
of New York
Application September 5, 1952, Serial No. 21,342
Term of patent 14 years
(Cl. D45-4)



The ornamental design for a link, substantially
as shown.

168,816

CLASP FOR NECKLACES AND THE LIKE
Frank W. Young, East Orange, N. J., assignor to
Illinois Watch Case Co., a corporation of Illi-
nois
Application April 4, 1951, Serial No. 14,706
Term of patent 14 years
(Cl. D17-3)



The ornamental design for a clasp for neck-
laces and the like, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- Abbott Laboratories, North Chicago, Ill. Dermatological cream. Serial No. 623,742, Feb. 10. Class 18.
- Acme Brief Case Co. Inc., New York, N. Y. Brief cases and brief bags. Serial No. 632,863, Feb. 10. Class 3.
- Acorn Chemical Company, The, Toledo, Ohio. Chemicals. Serial No. 638,034, Feb. 10. Class 6.
- Aetna Leather Novelty Co. Inc., Union City, N. J. Handbags. Serial No. 631,710, Feb. 10. Class 3.
- Allied Laboratories, Inc., Kansas City, Mo. Diffusible ointment base for medicinals. Serial No. 632,141, Feb. 10. Class 18.
- Altman, Bernhard, New York, N. Y. Yarns and threads. Serial No. 624,070, Feb. 10. Class 43.
- Aluminum Cooking Utensil Company, The, New Kensington, Pa. Metal combination storing and cooking containers. Serial No. 625,180, Feb. 10. Class 13.
- Amercoat Corporation, South Gate, Calif. Acid proof material used for lining or coating steel or concrete pipes, structures, tanks, etc. Serial Nos. 593,456-8, Feb. 10. Class 12.
- American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 630,301, Feb. 10. Class 46.
- American Cyanamid Company, New York, N. Y. Medicinal tablets. Serial No. 613,962, Feb. 10. Class 18.
- American Felt Company, Glenville, Conn. Semi-felted fabric. Serial No. 602,737, Feb. 10. Class 50.
- American Felt Company, Glenville, Conn. Dust filters. Serial No. 632,971, Feb. 10. Class 31.
- American Fiber-Velope Mfg. Co., Philadelphia, Pa. Expanding envelopes and file folders, file folders, pocket file folders, etc. Serial No. 624,625, Feb. 10. Class 37.
- American Fluoresit Company, Inc., Cincinnati, Ohio. Powdered hydraulic cements. Serial No. 604,175, Feb. 10. Class 16.
- American Hospital Supply Corporation, Evanston, Ill. Detergent. Serial No. 632,283, Feb. 10. Class 52.
- American Throwing Company, Inc., Griffin, Ga. Infants' and children's knitted underwear. Serial No. 628,086, Feb. 10. Class 39.
- Antro Gardens, Inc., Lyons, N. Y. Plant food. Serial No. 629,709, Feb. 10. Class 10.
- Approved Comics, Inc., New York, N. Y. Annual publication. Serial No. 628,908, Feb. 10. Class 38.
- Approved Comics, Inc., New York, N. Y. Magazines. Serial No. 628,910, Feb. 10. Class 38.
- Armour and Company, Chicago, Ill. Frozen beef steaks. Serial No. 603,277, Feb. 10. Class 46.
- Artiac Inc., New York, N. Y. Simulated pearls and ornaments. Serial No. 632,462, Feb. 10. Class 28.
- Asbestolith Manufacturing Corporation, Brooklyn, N. Y. Asphalt base composition. Serial No. 621,437, Feb. 10. Class 1.
- Associated Lerner Shops of America, Inc., New York, N. Y. Children's and junior misses' shoes. Serial No. 618,779, Feb. 10. Class 39.
- Atlantic Sponge & Chamols Corporation, New York, N. Y. Chamols. Serial Nos. 625,573-4, Feb. 10. Class 1.
- Atlas Powder Company, Wilmington, Del. Quaternary ammonium compounds. Serial No. 635,807, Feb. 10. Class 6.
- Attapulgus Clay Company, Philadelphia, Pa. Fuller's earth. Serial No. 630,660, Feb. 10. Class 1.
- Aurora Equipment Company, Aurora, Ill. Vertical-type wall bins for parts, shelf units, display and service counters, etc. Serial No. 624,990, Feb. 10. Class 32.
- Austin, Dale W., Hollywood, Calif. Corrective weight distributing inserts for use in shoes. Serial No. 629,188, Feb. 10. Class 44.
- Austin, Guy D., Miami, Fla. Insecticides. Serial No. 633,191, Feb. 10. Class 6.
- Automatic Pump & Softener Corporation, Rockford, Ill. Valves. Serial No. 619,596, Feb. 10. Class 13.
- Aylward, Charles L., Jr., doing business as The Aylward Products Company, Kansas City, Mo. Asphaltic plastic roof cement, caulking compound, sewer joint primer, etc. Serial No. 624,725, Feb. 10. Class 12.
- Aylward Products Company, The. See—
Aylward, Charles L., Jr.
- Banquet Better Foods. See—
Nelson-Ricks Creamery Company.
- Barker, Moore & Meln Company, Philadelphia, Pa. Growth stimulator for poultry and a preventive and control of cecal (bloody) coccidiosis in poultry. Serial No. 620,909, Feb. 10. Class 18.
- Barlow-Maney Laboratories, Incorporated, Cedar Rapids, Iowa. Cardiac drug. Serial No. 623,268, Feb. 10. Class 18.
- Barwick, E. T., Mills. See—
Barwick, Eugene T.
- Barwick, Eugene T., doing business as E. T. Barwick Mills, Chamblee, Ga. Cotton rugs and carpeting. Serial No. 606,200, Feb. 10. Class 42.
- Belrug Mill Inc., Greenville, S. C. Woven pile rugs. Serial No. 631,599, Feb. 10. Class 42.
- Bemis Bro. Bag Company, St. Louis, Mo. Bags. Serial No. 602,486, Feb. 10. Class 2.
- Beiloffs Furs, Allentown, Pa. Fur coats, fur jackets, fur capes, etc. Serial No. 588,476, Feb. 10. Class 39.
- Berjon Company, The, Memphis, Tenn. Liquid analgesic compound. Serial No. 637,857, Feb. 10. Class 18.
- Berkshire Fine Spinning Associates, Inc., Adams, Mass., and Providence, R. I. Window curtains. Serial No. 629,085, Feb. 10. Class 42.
- Bliss Syrup & Preserving Co., Kansas City, Mo. Imitation peach jam. Serial No. 545,430, Feb. 10. Class 46.
- Bloomberg, E. M., & Co. Inc., Chicago, Ill. Woolen piece goods. Serial No. 631,338, Feb. 10. Class 42.
- Blue Bell, Inc., Greensboro, N. C. Western style jackets and jeans. Serial No. 631,917, Feb. 10. Class 39.
- Blumenthal, Sidney & Co., Inc., New York, N. Y. Textile floor rugs. Serial No. 630,293, Feb. 10. Class 42.
- Bolta Company, The, Lawrence, Mass. Boxes. Serial No. 622,737, Feb. 10. Class 2.
- Bolta Company, The, Lawrence, Mass. Utility bowls. Serial No. 622,738, Feb. 10. Class 2.
- Bond, Jack, assignor to Portion Pack, Inc., Seattle, Wash. Ice cream, ice cream sundae, and ice cream cones. Serial No. 624,674, Feb. 10. Class 46.
- Bond, Jack, assignor to Portion Pack, Inc., Seattle, Wash. Ice cream, ice cream sundae, and ice cream cones. Serial No. 624,676, Feb. 10. Class 46.
- Bourjois, Inc., New York, N. Y. Perfume, eau de cologne, toilet water, etc. Serial No. 633,647, Feb. 10. Class 51.
- Bowman Brothers Drug Co., The, Canton, Ohio. Medicinal and pharmaceutical preparations. Serial No. 637,424, Feb. 10. Class 18.
- Bradford, Elva H., doing business as Presto Mange Remedy Co., Oklahoma City, Okla. Remedy used to cure animal sarcopic mange. Serial No. 631,944, Feb. 10. Class 18.
- Breneman, Chas. W., Company, The, Cincinnati, Ohio. Window shades. Serial No. 632,198, Feb. 10. Class 32.
- Bridgeport Brass Company, Bridgeport, Conn. Space deodorant. Serial No. 571,402, Feb. 10. Class 6.
- Brill, H. C., Company, Inc., Newark, N. J. Food products. Serial No. 611,120, Feb. 10. Class 46.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Penicillin derivative. Serial No. 628,306, Feb. 10. Class 18.
- British Samek Limited, London, England. Woolen piece goods. Serial No. 635,900, Feb. 10. Class 42.
- Broden, Maurice, doing business as Broden's Drugs, Buchanan, N. Y. Medicinal preparation. Serial No. 632,713, Feb. 10. Class 18.
- Broden's Drugs. See—
Broden, Maurice.
- Bruder, M. A., & Sons, Incorporated, Philadelphia, Pa. Plywood primer and sealer. Serial No. 614,286, Feb. 10. Class 16.
- Buell Engineering Company, Inc., New York, N. Y. Dust and particle separators and samplers. Serial No. 628,669, Feb. 10. Class 23.
- Cal-Sun, Inc., Los Angeles, Calif. Men's and boys' shirts. Serial No. 632,872, Feb. 10. Class 39.
- Cambridge Corporation, The, Lawrence, Mass. Thin gauge plastic sheeting. Serial No. 632,715, Feb. 10. Class 1.
- Cameron, A. S., Steam Pump Works, Phillipsburg, N. J., and New York, N. Y., assignor to Ingersoll-Rand Company, Phillipsburg, N. J. Centrifugal pumps. Serial No. 616,939, Feb. 10. Class 23.
- Cargill, Incorporated, Minneapolis, Minn., assignee of Falk & Company. Linseed oil. Serial No. 609,639, Feb. 10. Class 16.
- Carlton Mills Company, Philadelphia, Pa. Textile fabrics. Serial No. 624,330, Feb. 10. Class 42.
- Carter Products, Inc., assignor to Wallace Laboratories, Inc., New York, N. Y. Deodorant tablet. Serial No. 619,872, Feb. 10. Class 18.
- Casco Products Corporation, Bridgeport, Conn. Room deodorants. Serial No. 573,355, Feb. 10. Class 6.
- Cavaller Cravat Company, Louisville, Ky. Neckties. Serial Nos. 633,034-5, Feb. 10. Class 39.
- Centra Leather Goods Corporation, New York, N. Y. Wallets, billfolds, pocketbooks, etc. Serial No. 612,586, Feb. 10. Class 3.
- Champion Paper and Fibre Company, The, Hamilton, Ohio. Box cover paper. Serial No. 629,839, Feb. 10. Class 37.
- Champion Paper and Fibre Company, The, Hamilton, Ohio. Printing paper. Serial No. 633,100, Feb. 10. Class 37.
- Chapman & Sons, Shreveport, La. Men's, women's and children's hosiery. Serial No. 631,720, Feb. 10. Class 39.
- Chartier, C. C., Chicago, Ill. Waterproofing and finishing compound. Serial No. 582,820, Feb. 10. Class 16.
- Chemdrug Corporation, The, New York, N. Y. Eye drops. Serial No. 610,120, Feb. 10. Class 18.
- Chicago Pharmacal Company, Chicago, Ill. Medicinal preparation. Serial No. 629,885, Feb. 10. Class 18.

LIST OF TRADE-MARK APPLICANTS

Chilton Laboratories, Inc., Montclair, N. J. Tablets for internal use. Serial No. 632,873-4, Feb. 10. Class 18.

Clag Aktiengesellschaft, Schaffhausen, Switzerland. Hemorrhoidal suppositories. Serial No. 623,948, Feb. 10. Class 18.

Clinton Foods, Inc., Clinton, Iowa. Preservative for silage for livestock. Serial No. 630,380, Feb. 10. Class 46.

Coble Dairy Products, Inc., Lexington, N. C. Confection. Serial No. 626,608, Feb. 10. Class 46.

Columbia Mills, Inc., The, Syracuse, N. Y. Window shades. Serial No. 632,154, Feb. 10. Class 32.

Community Produce Co., Boston, Mass. Fresh vegetables. Serial No. 505,891, Feb. 10. Class 46.

Congress Chemical Co., Inc., New York, N. Y. Tooth powder. Serial No. 581,178, Feb. 10. Class 51.

Continental Copper & Steel Industries, Inc., Parth Amboy, N. J. Life boat release gear. Serial No. 603,615, Feb. 10. Class 19.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven fabrics. Serial No. 630,653, Feb. 10. Class 42.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven fabrics. Serial No. 630,655, Feb. 10. Class 42.

Convento Mfg. Co., Inc., Cambridge City, Ind. Hoists for lifting and lowering bodies on trucks; and dumping hoists for farm equipment. Serial No. 630,583, Feb. 10. Class 23.

Creamery Package Mfg. Company, The, Chicago, Ill. Electrically operated liquid level controls. Serial No. 528,263, Feb. 10. Class 26.

Crompton Company, Crompton, R. I. Fabric in the piece. Serial No. 635,122, Feb. 10. Class 42.

Crown Cork & Seal Company, Inc., Baltimore, Md. Machines for capping or vacuum capping jars and other containers. Serial No. 623,752, Feb. 10. Class 23.

Cube Steak Machine Co., Needham Heights, Mass. Meat. Serial No. 635,688, Feb. 10. Class 46.

Cultigard Shovel Company, Waldo, Ohio. Power drawn cultivator shovels. Serial No. 616,225, Feb. 10. Class 23.

Daltch Crystal Dairies, Inc., assignee: See—
Foodville Inc.

Dan River Mills, Incorporated, Danville, Va. Bed sheets, textile sheeting, pillow cases, etc. Serial Nos. 621,953-4, Feb. 10. Class 42.

Daryl Dress Company, St. Louis, Mo. Women's and misses' skirts. Serial No. 607,122, Feb. 10. Class 39.

Delacy Distributors, Dearborn, Mich. Food product. Serial No. 626,661-2, Feb. 10. Class 46.

Denham, Pauline, Yarns, Petaluma, Calif. Knitting yarn. Serial No. 630,588, Feb. 10. Class 43.

Dunle, Robert, doing business as Northern Greenhouses, Chicago, Ill. Plastic holder. Serial No. 625,467, Feb. 10. Class 2.

Durlin Co., Newark, N. J. Sheets of synthetic plastic materials. Serial No. 629,781, Feb. 10. Class 1.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Chemicals. Serial No. 637,118, Feb. 10. Class 6.

Einstein, J. Company: See—
Einstein, Jack.

Einstein, Jack, doing business as J. Einstein Company, Forest Hills, N. Y. pH testing paper. Serial No. 624,637, Feb. 10. Class 37.

Emaco Derrick & Equipment Company, Los Angeles, Calif. Fabricated steel structures. Serial No. 616,475, Feb. 10. Class 12.

Erie Resistor Corporation, Erie, Pa. Electrical condensers and resistors. Serial No. 628,350, Feb. 10. Class 21.

Evans Case Co., North Attleboro, Mass. Handbags and fitted bandbags. Serial No. 607,946, Feb. 10. Class 3.

Ewing, Ray, Company, The, Pasadena, Calif. Vitamin supplements. Serial No. 621,006, Feb. 10. Class 18.

Falk & Company: See—
Carroll, Incorporated.

Farm Tools, Inc., Mansfield, Ohio. Plain bearings. Serial No. 624,451, Feb. 10. Class 23.

Fawick Aircraft Company, Inc., The, Cleveland, Ohio. Industrial and marine clutches, brakes for industrial machines, etc. Serial No. 621,663, Feb. 10. Class 23.

Firestone Marshmallow Company, Chicago, Ill. Marshmallows. Serial No. 616,952, Feb. 10. Class 46.

Fitzsimmons, John A., doing business under the name of Fitzsimmons Products, New York, N. Y. External veterinary liquid preparation. Serial No. 616,628, Feb. 10. Class 18.

Fitzsimmons Products: See—
Fitzsimmons, John A.

Fletcher, H. E., Co., West Chelmsford, Mass. Potassium-bearing soil amender. Serial No. 607,947, Feb. 10. Class 10.

Flinthote Company, The, New York, N. Y. Insulating siding. Serial No. 626,503, Feb. 10. Class 12.

Florida, Philip, Inc., New York, N. Y. Wallets. Serial No. 613,984, Feb. 10. Class 3.

Foodville Inc., assignee: See—
Daltch Crystal Dairies, Inc., Bronx, N. Y. Cheese. Serial No. 609,292, Feb. 10. Class 46.

Galaxy Publishing Corp., New York, N. Y. Magazines and books. Serial No. 629,430, Feb. 10. Class 38.

Gasoline Equipment Manufacturing Company, Inc., Indianapolis, Ind. Underground and aboveground tanks. Serial No. 623,540, Feb. 10. Class 2.

Gelgy Company, Inc., New York, N. Y. Dyes and dyestuffs. Serial No. 635,694, Feb. 10. Class 6.

Gelgy Company, Inc., New York, N. Y. Chemicals. Serial No. 635,695, Feb. 10. Class 6.

General Electric Company, Schenectady, N. Y. Diagnostic opaquing preparation. Serial No. 633,182, Feb. 10. Class 18.

Gerber Products Company, Fremont, Mich. Cardboard boxes. Serial No. 601,495, Feb. 10. Class 2.

Gerber Products Company, Fremont, Mich. Cereals. Serial No. 633,054, Feb. 10. Class 46.

Gethner Drugs: See—
Gethner, Max M.

Gethner, Max M., doing business under the trade names Persylma Co. and Gethner Drugs, Chicago, Ill. Medicinal ointment. Serial No. 620,499, Feb. 10. Class 18.

Gillette Company, The, doing business under the name and style of The Gillette Company, Boston, Mass. Creme hair rinse. Serial No. 628,688, Feb. 10. Class 51.

Givaudan-Delawanna, Inc., New York, N. Y. Organic odoriferous and flavor-imparting chemicals; organic chemicals. Serial No. 570,486, Feb. 10. Class 6.

Glenside Textile Corp., New York, N. Y. Scarfs and kerchiefs. Serial No. 629,669, Feb. 10. Class 39.

Gorham Manufacturing Company, Providence, R. I. Hollowware and tableware. Serial No. 622,892, Feb. 10. Class 28.

Gould, Barbara, Inc., New York, N. Y. Toilet creams, masque preparations, toilet powders, etc. Serial No. 633,602, Feb. 10. Class 51.

Gramercy Records, Inc., New York, N. Y. Grooved phonograph records. Serial No. 637,708, Feb. 10. Class 38.

Grandma Moses Properties, Inc., New York, N. Y. Fabrics. Serial No. 632,835, Feb. 10. Class 42.

Griffin Manufacturing Co., Inc., Brooklyn, N. Y. Preparations in cream, liquid, paste and wax form, for cleaning shoes, boots, etc. Serial No. 629,796, Feb. 10. Class 52.

Guarantee Metal Products, Inc., Los Angeles, Calif. Steel dispensers. Serial No. 587,863, Feb. 10. Class 2.

Haas Miller Corporation, Philadelphia, Pa. Wetting agent and acid accelerator. Serial No. 625,594, Feb. 10. Class 6.

Hanson-Van Winkle-Munning Company, Matawan, N. J., and elsewhere. Galvanizing flux. Serial Nos. 634,642-3, Feb. 10. Class 6.

Hart Ceramic Supply: See—
Hart, Stewart J.

Hart, Stewart J., doing business under the name and style of Hart Ceramic Supply, Inglewood, Calif. Clear and colored glazes, crackle glaze, and under glaze enamels. Serial No. 613,370, Feb. 10. Class 12.

Hawse, Raymond B., West Palm Beach, Fla. Foods. Serial No. 603,787, Feb. 10. Class 46.

Heatherbloom Corporation, The, New York, N. Y. Textile piece goods. Serial No. 632,424, Feb. 10. Class 42.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 632,618, Feb. 10. Class 42.

Helase, Fred, Rutherford, N. J. Rollable cases. Serial No. 625,421, Feb. 10. Class 2.

Hemet Packing Company, Hemet, Calif. Canned fruits, canned vegetables and canned olives. Serial No. 554,978, Feb. 10. Class 46.

Hoe & Co. (1931) Limited, Stretford, Manchester, Lancashire, England. Sauce. Serial No. 506,873, Feb. 10. Class 46.

Honse Beautiful Curtains, Inc., New York, N. Y. Draperies and window curtains and curtain fabrics. Serial No. 633,771, Feb. 10. Class 42.

Hyde, John B., Marshall, Tex. Solvents. Serial No. 627,883, Feb. 10. Class 52.

Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Cobra venom solution for medicinal use. Serial No. 628,627, Feb. 10. Class 18.

Illinois Clay Products Company, Joliet, Ill. Plastic clay. Serial No. 619,510, Feb. 10. Class 1.

Indiana Fur Co., Inc., Indianapolis, Ind. Fur coats, capes, scarfs, etc. Serial No. 560,624, Feb. 10. Class 39.

Industrial Research, Inc., Miami, Fla. Catalyst battery caps for electrical storage batteries. Serial No. 621,963, Feb. 10. Class 21.

Ingersoll-Rand Company, assignee: See—
Cameron, A. S., Steam Pump Works.

Intermedico Corporation, New York, N. Y. Pharmaceutical. Serial No. 631,290, Feb. 10. Class 18.

Jacmar Mfg. Company: See—
Jacobs, Irving.

Jacobs, Irving, doing business under the trade name and style of Jacmar Mfg. Company, New York, N. Y. Educational game. Serial No. 619,244, Feb. 10. Class 22.

Jenkins, George O., Company, Bridgewater, Mass. Sheet fibreboard. Serial No. 631,934, Feb. 10. Class 50.

Johnson, Fredric H., doing business as Spice Islands Company, assignee to Spice Islands Company, San Francisco, Calif. Red wine vinegar, red wine vinegar flavored with tarragon, etc. Serial No. 551,384, Feb. 10. Class 46.

Johnson & Johnson, New Brunswick, N. J. Synthetic resins and catalysts. Serial No. 633,984, Feb. 10. Class 6.

Johnston Export Publishing Co., New York, N. Y. Periodical publications. Serial No. 628,043, Feb. 10. Class 38.

Johnston, Robert A., Company, Milwaukee, Wis. Biscuits, candies, chocolates, etc. Serial No. 616,601, Feb. 10. Class 46.

Jordan, Thomas, Incorporated, New Orleans, La. Preparations containing beta-amylase tri-iodide. Serial No. 617,035, Feb. 10. Class 18.

LIST OF TRADE-MARK APPLICANTS

Joyner Corporation, The, Bourbon, Ind. Liquid cleanser. Serial No. 617,443, Feb. 10. Class 52.

Joyner Corporation, The, Warsaw, Ind. Preparation for repelling insects. Serial No. 635,598, Feb. 10. Class 6.

Karten, Morton, Incorporated, New York, N. Y. Children's play suits and overalls. Serial No. 625,206, Feb. 10. Class 39.

Kelsner Manufacturing Company, Reading, Pa. Grass shears. Serial No. 632,431, Feb. 10. Class 23.

Kellogg Company, Battle Creek, Mich. Macaroni and spaghetti. Serial No. 612,457, Feb. 10. Class 46.

King Kone Corporation, New York, N. Y. Caramel flavored popcorn. Serial No. 619,760, Feb. 10. Class 46.

"Knappen Company": See—
Knappen Sales Company.

Knappen Sales Company, doing business under the trade name or style "Knappen Company," Augusta, Mich. Food and vitamin supplement. Serial No. 613,136, Feb. 10. Class 18.

Koppers Company, Inc., Pittsburgh, Pa. Economic and market research or surveys. Serial No. 623,715, Feb. 10. Class 101.

Kureha Spinning Co., Ltd., Higashi-Ku, Osaka, Japan. Cotton yarn. Serial No. 610,742, Feb. 10. Class 43.

Kureha Spinning Co., Ltd., Higashi-Ku, Osaka, Japan. Cotton yarn. Serial No. 610,750, Feb. 10. Class 43.

Laboratoire Ertima: See—
Pharmacie Principale De La Porte D'Orleans.

Laerolx, Henri, Gilmont, France. Pâté de foie gras, canned truffles, minced canned goose, etc. Serial No. 553,201, Feb. 10. Class 46.

Laser Spring and Tire Corporation, Oakland, Calif. Automobile storage batteries. Serial No. 592,267, Feb. 10. Class 21.

Lane Company, Inc., The, Altavista, Va. Cedar wardrobes, cedar chiffoniers, cedar closets, etc. Serial No. 633,157, Feb. 10. Class 32.

Lawrence, A. C., Leather Company, Peabody, Mass. Leather. Serial No. 632,677, Feb. 10. Class 1.

Lever Brothers Company, New York, N. Y. Eau de cologne. Serial No. 628,409, Feb. 10. Class 51.

Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. Serial Nos. 632,943-4, Feb. 10. Class 17.

Lin-Lite, Inc., New York, N. Y. Men's sport coats. Serial No. 623,311, Feb. 10. Class 39.

Little Miss Undies, Inc., Yonkers, N. Y. Infants', children's, boys', and girls' underwear. Serial No. 621,830, Feb. 10. Class 39.

Lorenz Publishing Company, assignee: See—
Tullar-Meredith Co.

Lowell, Odette R., Boardman, Ohio. Scientific preparation adapted to be used for cleaning and polishing eyeglasses, etc. Serial No. 620,255, Feb. 10. Class 4.

Lyon Metal Products, Incorporated, Aurora, Ill. Storage lockers; parts of and accessories for storage lockers, etc. Serial No. 575,217, Feb. 10. Class 32.

Malanco, Inc., Blue Island, Ill. Greaseproof paper. Serial No. 602,563, Feb. 10. Class 37.

Malla Co., The, Baltimore, Md. Kits containing artist's oil colors, artist's brush, etc. Serial No. 630,276, Feb. 10. Class 50.

Mandee Fabrics, Inc., New York, N. Y. Rayon piece goods. Serial No. 596,185, Feb. 10. Class 42.

Marbitt Co., Inc., The, New York, N. Y. Mother-of-pearl gift products and accessories—namely, pill boxes, etc. Serial No. 616,746, Feb. 10. Class 2.

Martin Fabrics Corporation, New York, N. Y. Textile ribbons. Serial No. 633,780, Feb. 10. Class 42.

Mastabar Belt Fastener Co., Limited, Hull, England. Fastening pieces for belting. Serial No. 624,347, Feb. 10. Class 35.

Master Builders Company, The, Cleveland, Ohio. Material to be used as an ingredient for concrete and mortar mixes. Serial No. 632,735, Feb. 10. Class 12.

Master Mechanics Co., The, Cleveland, Ohio. Pigmented liquid coating compositions. Serial No. 605,665, Feb. 10. Class 16.

Master Pharmaceutical Products: See—
Pappermaster, Roy L.

Mastercraft Weaving Corp., Paterson, N. J. Upholstery materials. Serial No. 632,736, Feb. 10. Class 42.

Maxon Distributors: See—
Sidelman, Max.

Mayer, A. G., Inc., New York, N. Y. Plastic containers, namely, cases for holding pens and pencils. Serial No. 622,611, Feb. 10. Class 37.

Mayer Bros., Seattle, Wash. Finger rings and mountings therefor. Serial No. 635,044, Feb. 10. Class 28.

May-Zur-Mark Co., Springfield, Ill. Butter, and oleomargarine. Serial No. 620,924, Feb. 10. Class 46.

Medomac Canning Company, Rockland, Maine. Canned apples. Serial No. 602,047, Feb. 10. Class 46.

Meghrie, M. & Sons, New York, N. Y. Philatelic and numismatic equipment and supplies. Serial No. 525,639, Feb. 10. Class 37.

Melpar, Inc., Alexandria, Va. Resinous composition. Serial No. 624,652, Feb. 10. Class 6.

Menyo Mining & Mfg. Co.: See—
Meghrie, Charles C.

Mercantile Stores Company, Inc., Wilmington, Del. Gas stoves. Serial No. 633,479, Feb. 10. Class 34.

Merck & Co., Inc., Rahway, N. J. Magnesium salts. Serial No. 616,210, Feb. 10. Class 6.

Merck & Co., Inc., Rahway, N. J. Antibiotics for veterinary use. Serial No. 638,266, Feb. 10. Class 18.

Menghrie, Charles C., doing business as Menyo Mining & Mfg. Co., China Lake, Calif. Cleanser. Serial No. 629,378, Feb. 10. Class 52.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Watches. Serial No. 634,797, Feb. 10. Class 27.

Modernophone, Inc., New York, N. Y. Electrical sound-reproducing apparatus. Serial No. 598,026, Feb. 10. Class 21.

Moore, Joseph S., Jr., Ackerman, Miss. Commercial and home furniture and fixtures. Serial No. 623,425, Feb. 10. Class 32.

Morse Sewing Machine and Supply Corp., New York, N. Y. Sewing machines. Serial No. 632,568, Feb. 10. Class 23.

Motation Mink Breeders Association, Elkhorn, Wis. Mink pelts. Serial No. 632,791, Feb. 10. Class 1.

Na-Spra, Incorporated, St. Louis, Mo. Nasal spray preparation. Serial No. 589,799, Feb. 10. Class 18.

National Aluminate Corporation, Chicago, Ill. Chemical compositions. Serial No. 612,700, Feb. 10. Class 6.

National Variety Sales, Inc., assignee to Supurdisplay, Incorporated, Milwaukee, Wis. Buttered popcorn. Serial No. 619,470, Feb. 10. Class 46.

Nelson-Ricks Creamery Company, doing business in the name of Banquet Better Foods, Salt Lake City, Utah. Eggs, cheese, and butter. Serial No. 534,657, Feb. 10. Class 46.

Nepera Chemical Co., Inc., Nepera Park, N. Y. Medicinal preparation. Serial No. 620,928, Feb. 10. Class 18.

Neway Equipment Company, Muskegon, Mich. Dual axle spring assemblies for vehicles. Serial No. 631,019, Feb. 10. Class 19.

Nielsen, A. C., Company, Chicago, Ill. Marketing research. Serial No. 632,994, Feb. 10. Class 101.

Nixon & Company (Nebraska), Omaha, Nebr. Bred sow and pig concentrate. Serial No. 626,587, Feb. 10. Class 18.

Nordmark-Werke Gesellschaft mit Beschränkter Haftung, Uetersen, Holstein, Germany. Sulfonamide preparations. Serial No. 617,206, Feb. 10. Class 18.

Norsk Stålul A/S, Oslo, Norway. Steel wool and steel shavings. Serial No. 598,268, Feb. 10. Class 4.

Northern Greenhouses: See—
Dunle, Robert.

Novelty Products Co., New York, N. Y. Hat cases, suitcases, and handbags. Serial No. 618,177, Feb. 10. Class 3.

Nutrition Research Laboratories, Inc., Chicago, Ill. Pharmaceutical in tablet form. Serial No. 633,320, Feb. 10. Class 18.

Oertli, T. A. G., Zurich, Switzerland. Electrical juicers, electrical bakery and pastry machines, electrical food cutting machines, etc. Serial No. 608,468, Feb. 10. Class 21.

Olympic Knitwear, Inc., New York, N. Y. Ladies' and misses' knitted underwear. Serial No. 631,948, Feb. 10. Class 39.

Olympic Knitwear, Inc., New York, N. Y. Women's and misses' knitted awesters. Serial No. 632,096, Feb. 10. Class 39.

Omstead Fisheries Limited, Wheatley, Ontario, Canada. Fresh and frozen fish. Serial No. 624,656, Feb. 10. Class 46.

Organon Inc., Orange, N. J. Pharmaceutical preparation. Serial No. 633,166, Feb. 10. Class 18.

Ortho Pharmaceutical Corporation, Raritan, N. J. Nutrient buffered vaginal douche tablet. Serial No. 620,787, Feb. 10. Class 18.

Ortho Pharmaceutical Corporation, Raritan, N. J. Pharmaceutical and therapeutic formulations and preparations. Serial No. 622,167, Feb. 10. Class 18.

Pacific Mills, New York, N. Y. Bed sheets. Serial No. 629,744, Feb. 10. Class 42.

Pacific Mills, Boston, Mass., and New York, N. Y. Rayon piece goods. Serial No. 631,372, Feb. 10. Class 42.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Glass cleaner and polish. Serial No. 593,742, Feb. 10. Class 4.

Paper Art Company, Inc., Indianapolis, Ind. Paper napkins, paper table cloths, and paper guest towels. Serial No. 556,466, Feb. 10. Class 37.

Paper Manufacturers Co., Philadelphia, Pa. Small paper rolls. Serial No. 590,943, Feb. 10. Class 37.

Pappermaster, Roy L., doing business under the fictitious name Master Pharmaceutical Products, West Los Angeles, Calif. Eye drops. Serial No. 627,959, Feb. 10. Class 18.

Paramount Canning Company, Haines City, Fla. Canned citrus fruit juice. Serial No. 577,977, Feb. 10. Class 46.

Parke, Davis & Company, Detroit, Mich. Multiple vitamin preparation. Serial No. 634,108, Feb. 10. Class 18.

Pattern-Sargent Company, The, Cleveland, Ohio. Paint applicator. Serial No. 635,711, Feb. 10. Class 29.

Patterson, W. G., Brokerage Co., Inc., Birmingham, Ala. Cigars. Serial No. 632,173, Feb. 10. Class 17.

Paul, J. C., & Co., Skokie, Ill. Bactericide. Serial No. 632,321, Feb. 10. Class 6.

Pearldock, Inc., New York, N. Y. Razors, shears, scissors, etc. Serial No. 623,203, Feb. 10. Class 23.

Pearl-Wick Corporation, Long Island City, N. Y. Hampers. Serial No. 596,798, Feb. 10. Class 2.

LIST OF TRADE-MARK APPLICANTS

- Pedigreed Seed Co., New York, N. Y. Grass seed. Serial No. 607,350, Feb. 10. Class 1.
- Pennsylvania Railroad Company, The, Philadelphia, Pa. Periodical publication. Serial No. 631,373, Feb. 10. Class 38.
- Perayima Co.: See—
- Gethner, Max M.
- Pharmacie Principale de la Porte d'Orleans, doing business as Laboratoire Ertima, Paris, France. Tablets for the organic fixation of phosphorous, calcium and iron. Serial No. 574,922, Feb. 10. Class 18.
- Philadelphia Textile Finishers, Inc., Norristown, Pa. Textile fabrics. Serial No. 623,904, Feb. 10. Class 42.
- Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Medical preparation. Serial No. 620,037, Feb. 10. Class 18.
- Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Detergent preparation. Serial No. 629,038, Feb. 10. Class 32.
- Physiological Chemicals Company, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 596,294, Feb. 10. Class 18.
- Plant Magic Products: See—
- Poulos, Spiros.
- Playmore Knits of California, Inc., Los Angeles, Calif. Boys' and girls' knitted underwear. Serial No. 630,200, Feb. 10. Class 39.
- Polly-Betta Undies: See—
- Schlegel, William H.
- Portion Pack, Inc.: See—
- Bond, Jack.
- Poulos, Spiros, doing business as Plant Magic Products, Providence, R. I. Plant food and fertilizer. Serial No. 617,376, Feb. 10. Class 10.
- Powers, Jack A., Westlake, La. Table syrup. Serial No. 634,010, Feb. 10. Class 46.
- Preston Mangle Remedy Co.: See—
- Bradford, Elva H.
- Procter & Gamble Company, The, Cincinnati, Ohio. Sudaing cleaner, cleanser and detergent. Serial No. 567,430, Feb. 10. Class 32.
- Purdue Frederick Company, The, New York, N. Y. Therapeutic vaginal capsule. Serial No. 630,020, Feb. 10. Class 18.
- Purdue Frederick Company, The, New York, N. Y. Solution of essential nutrients. Serial No. 630,024, Feb. 10. Class 18.
- Purity Bakeries Corporation, Chicago, Ill. Bread. Serial No. 604,590, Feb. 10. Class 46.
- Quinn, K. J., & Co., Inc., Malden, Mass. Shoe polish. Serial No. 615,659, Feb. 10. Class 4.
- Reddi-Wip, Inc., St. Louis, Mo. Empty double-seamed jacquer-lined low-pressure containers. Serial No. 570,722, Feb. 10. Class 2.
- Rek-O-Kut Company, Long Island City, N. Y. Electrically operated phonograph record players. Serial No. 615,903, Feb. 10. Class 21.
- Reliance Manufacturing Company, Chicago, Ill. Duncarees. Serial No. 631,688, Feb. 10. Class 39.
- Richman, Walter, Brooklyn, N. Y. Bottled marinated herring filets. Serial No. 619,108, Feb. 10. Class 46.
- Robbin, Meyer, doing business as Robbin Products, Los Angeles, Calif. Wrist watches. Serial No. 633,460, Feb. 10. Class 27.
- Robbin Products: See—
- Robbin, Meyer.
- Rochester Folding Box Co., The, Rochester, N. Y. Paper-board shipping cases. Serial No. 616,609, Feb. 10. Class 2.
- Rootle Kazootle, Inc., New York, N. Y. Magazines. Serial No. 631,690, Feb. 10. Class 38.
- Rose Manufacturing Company, Beacon, N. Y. Stimulants and fertilizers. Serial No. 632,270, Feb. 10. Class 10.
- Rosenberg Bros. & Co., San Francisco, Calif., assignor to Rosenberg Bros. & Co., Inc., Baltimore, Md. Dried fruits. Serial No. 536,294, Feb. 10. Class 46.
- Rosenberg Bros. & Co., Inc., assignee: See—
- Rosenberg Bros. & Co.
- Roseth Corporation, Brooklyn, N. Y. Polyethylene laminated paper. Serial No. 629,995, Feb. 10. Class 37.
- Ross Bait Manufacturing Co., The, Akron, Ohio. Artificial fish lure. Serial No. 610,524, Feb. 10. Class 22.
- Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Flame cut steel shapes, metal bands and hoops, wire, and steel shafting. Serial No. 631,498-9, Feb. 10. Class 14.
- Schafer, Joe, & Sons, Springfield, Ill. Chicken feeds and livestock feeds. Serial No. 593,447, Feb. 10. Class 46.
- Schenley Laboratories, Inc., New York, N. Y. Medicinal product. Serial No. 605,178, Feb. 10. Class 18.
- Scherling Corporation, Bloomfield, N. J. Sulfonamide. Serial No. 633,332, Feb. 10. Class 18.
- Schlegel, William H., doing business as Polly-Betta Undies, Reading, Pa. Little girls' lingerie. Serial No. 628,962, Feb. 10. Class 39.
- Schreiber Mills, Inc., St. Joseph, Mo. Feed. Serial No. 632,330, Feb. 10. Class 46.
- Schreter, A., & Sons, Inc., Baltimore, Md. Men's neckties. Serial No. 633,000, Feb. 10. Class 39.
- Schroeder Bros., Inc., New York, N. Y. Dates. Serial No. 629,819, Feb. 10. Class 40.
- Schwab, David E., & Co., Inc., New York, N. Y. Lace handkerchiefs and lace scarfs. Serial No. 620,860, Feb. 10. Class 39.
- Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics. Serial No. 632,489, Feb. 10. Class 42.
- Scott, Robert R., Corp., New York, N. Y. Textile fabrics. Serial No. 631,895, Feb. 10. Class 42.
- Scovill Manufacturing Company, Waterbury, Conn. Bank pins, dressmaker pins, silk pins, etc. Serial No. 621,987, Feb. 10. Class 40.
- Scovill Manufacturing Company, Waterbury, Conn. Brass pipe and plumbing supplies. Serial No. 627,093, Feb. 10. Class 13.
- Sea View Farms, Ltd., Honolulu, Territory of Hawaii. Fresh pineapples and papayas. Serial No. 633,740, Feb. 10. Class 46.
- Sears, Roebuck and Co., Chicago, Ill. School bags and carrying cases. Serial No. 615,195, Feb. 10. Class 3.
- Sears, Roebuck and Co., Chicago, Ill. Dresser sets. Serial No. 622,032, Feb. 10. Class 40.
- Seeman Brothers, Inc., New York, N. Y. Solidified air freshening deodorant. Serial No. 626,269, Feb. 10. Class 6.
- Sellig Company, Inc., The, Atlanta, Ga. Soap. Serial No. 620,346, Feb. 10. Class 32.
- Sellinger Textile Corporation, New York, N. Y. Piece goods. Serial No. 633,380, Feb. 10. Class 42.
- Sentinel Knitting Corporation, New York, N. Y. Man's supporting undergarment used for therapeutic purposes. Serial No. 587,448, Feb. 10. Class 44.
- Sewing Machine Factors, San Francisco, Calif. Sewing machines. Serial No. 619,480, Feb. 10. Class 23.
- Sheppard Envelope Company, Worcester, Mass. Correspondence envelopes. Serial No. 549,281, Feb. 10. Class 37.
- Sherman Paper Products Corporation, Newton, Mass. Corrugated wrapping paper. Serial No. 633,335, Feb. 10. Class 37.
- Shulman Abrash, Inc., Paterson, N. J. Curtains, portieres, bath mats, etc. Serial No. 628,597, Feb. 10. Class 42.
- Shure Brothers, Incorporated, Chicago, Ill. Magnetic medium recorder heads, phonograph pickup cartridges, etc. Serial No. 578,718, Feb. 10. Class 21.
- Sidelman, Max, trading as Maxon Distributors, New York, N. Y. Sun tan lotion. Serial No. 628,880, Feb. 10. Class 51.
- Siegel-Shulman, Inc., Miami Beach, Fla. Women's and misses' coats, suits, dresses, blouses, etc. Serial No. 629,395, Feb. 10. Class 39.
- Skelly Oil Company, Kansas City, Mo. Gasoline. Serial No. 629,062, Feb. 10. Class 15.
- Snyder Chemical Corporation, Bethel, Conn. Resin compositions. Serial No. 610,433, Feb. 10. Class 6.
- Societe Anonyme Jeanne Lanvin, Paris, France. Women's dresses, coats, skirts, etc. Serial No. 631,519, Feb. 10. Class 39.
- Society Brand Clothes, Inc., Chicago, Ill. Worsted fabric. Serial No. 612,510, Feb. 10. Class 42.
- Southern Bedding & Furniture Co., Inc., West Monroe, La. Chairs and sofa beds. Serial No. 632,332, Feb. 10. Class 32.
- Southern Farmer, Inc., Montgomery, Ala. Newspaper. Serial No. 620,281, Feb. 10. Class 38.
- Spellings, Lucian L., doing business as Tom-Cat Products Co., Jonesboro, Ark. Rodenticides. Serial No. 637,009, Feb. 10. Class 6.
- Spice Islands Company: See—
- Johnston, Frederic H.
- Sport Products, Inc., Cincinnati, Ohio. Golf clubs. Serial No. 623,446, Feb. 10. Class 22.
- Spradling, Earl F., St. Louis, Mo. Real estate monetary appraisal service. Serial No. 620,441, Feb. 10. Class 102.
- Staley, A. E., Manufacturing Company, Decatur, Ill. Carbohydrates for industrial purposes, vegetable proteins and protein derivatives, etc. Serial No. 610,236, Feb. 10. Class 0.
- Stein-Tex, Inc., New York, N. Y. Cotton piece goods. Serial No. 629,867, Feb. 10. Class 42.
- Sterling Drug Inc., New York, N. Y. Antibacterial baby bath preparation. Serial No. 621,533, Feb. 10. Class 18.
- Sterling Net & Twine Company, Inc., Belleville, N. J. Fishing lines and fishing nets. Serial No. 598,892, Feb. 10. Class 22.
- Stern, L. & H., Inc., Brooklyn, N. Y. Smokers' pipes. Serial No. 633,090, Feb. 10. Class 8.
- Strass-Einiger Mills, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 620,630, Feb. 10. Class 42.
- Stuart Company, The, Pasadena, Calif. Composition containing vitamins and minerals. Serial No. 624,709, Feb. 10. Class 18.
- Sun Chemical Corporation, Long Island City, N. Y. Chemical composition. Serial No. 637,010, Feb. 10. Class 6.
- Sun Electric Corporation, Chicago, Ill. Automotive power plant testing apparatus. Serial No. 616,458, Feb. 10. Class 26.
- Superb Glove Company, The, Johnstown, N. Y. Ladies' gloves. Serial No. 621,037, Feb. 10. Class 39.
- Supurdisplay, Incorporated, assignee: See—
- National Variety Sales, Inc.
- Tea Garden Products Co., San Francisco, Calif. Imitation maple flavor syrup. Serial No. 534,620, Feb. 10. Class 46.

LIST OF TRADE-MARK APPLICANTS

- Technicon Cardiograph Corporation, New York, N. Y. Heat and/or pressure sensitive chart paper. Serial No. 580,341, Feb. 10. Class 26.
- Teleprompter Corporation, New York, N. Y. Electrically-operated apparatus. Serial No. 610,645, Feb. 10. Class 21.
- Texas Textile Mills, Dallas, Tex. Cotton twill and denim fabrics. Serial No. 599,284, Feb. 10. Class 42.
- Thomas, M. & W. Co., New York, N. Y. Piece goods. Serial No. 627,907, Feb. 10. Class 42.
- Tom-Cat Products Co.: See—
- Spellings, Lucian L.
- Tom Company, The: See—
- Gillette Company, The.
- Travenol Laboratories, Inc., Morton Grove, Ill. Synthetic thyroxine. Serial No. 631,584, Feb. 10. Class 18.
- Treadwell Engineering Company, Easton, Pa. Rolling mill machinery; hot transfer machinery, hot transfer drives; etc. Serial No. 547,194, Feb. 10. Class 23.
- Treadwell Engineering Company, Easton, Pa. Pipe making machines; grain mills; cold rolling mills (small); etc. Serial No. 547,195, Feb. 10. Class 23.
- Trojan Powder Company, Allentown, Pa. Resin forming composition. Serial No. 615,357, Feb. 10. Class 6.
- Tulliar-Meredith Co., New York, N. Y., assignor to Lorens Publishing Company, Dayton, Ohio. Publications. Serial No. 631,585, Feb. 10. Class 38.
- 20th Century Novelty Co., New York, N. Y. Finger rings. Serial No. 635,121, Feb. 10. Class 28.
- Ulmer Pharmaceutical Company: See—
- Physicians and Hospitals Supply Company, Inc.
- Union Bay State Chemical Co., Inc., Cambridge, Mass. Paints, stains, protective coatings, etc. Serial No. 614,228, Feb. 10. Class 16.
- Union of American Hebrew Congregations, New York, N. Y. Bimonthly magazine. Serial No. 624,111, Feb. 10. Class 38.
- United Distillers (of America) Ltd., Baltimore, Md. Whiskey. Serial No. 629,977, Feb. 10. Class 49.
- U. S. Jewelry Co., Inc., Baltimore, Md. Diamond rings. Serial No. 635,281, Feb. 10. Class 28.
- United States Rubber Company, New York, N. Y. Herbicides. Serial No. 639,906, Feb. 10. Class 6.
- Van Baerle & Co., Chemische Fabrik, Gernsheim/Rhein, Germany. Precipitated calcium silicate for industrial purposes. Serial No. 615,523, Feb. 10. Class 6.
- Van Cleef Bros., Inc., Chicago, Ill. Weatherstrip packing. Serial No. 601,005, Feb. 10. Class 12.
- Van Raalte Company, Inc., New York, N. Y. Women's and misses' underwear. Serial No. 623,219, Feb. 10. Class 39.
- Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 631,510, Feb. 10. Class 38.
- Vap-O-Glo Company, The, St. Helens, Oreg. All types of candles impregnated with ingredients useful in the treatment of nasal congestion. Serial No. 629,222, Feb. 10. Class 18.
- Vaporette, Inc., Dallas, Tex. Disposable vaporizers having foacetilide molded thereto. Serial No. 635,008, Feb. 10. Class 6.
- Vest Corporation, San Francisco, Calif. Pots and pans. Serial No. 620,275, Feb. 10. Class 13.
- Vitraside Industries: See—
- Vitraside Industries, Inc.
- Vitraside Industries, Inc., sometimes doing business as Vitraside Industries, Milwaukee, Wis. Exterior decorative panel siding. Serial No. 624,511, Feb. 10. Class 12.
- Vulco Chemical Company Limited, Johannesburg, Union of South Africa. Hollow rubber toys. Serial No. 623,741, Feb. 10. Class 22.
- W. B. Foundations, Incorporated, Newark, N. J. Corsets. Serial No. 631,511, Feb. 10. Class 39.
- Wall-Streeter Shoe Co., North Adams, Mass. Men's and boys' shoes. Serial No. 584,094, Feb. 10. Class 39.
- Wallace Laboratories, Inc., assignee: See—
- Carter Products, Inc.
- Wander Company, The, Chicago, Ill. Antithyroid mixture. Serial No. 633,397, Feb. 10. Class 18.
- Wander Company, The, Chicago, Ill. Compound for the alleviation of hypertension. Serial No. 638,341, Feb. 10. Class 18.
- Washongal Woolen Mills, Washongal, Wash. Virgin wool fabric. Serial No. 632,968, Feb. 10. Class 42.
- Waukesha Motor Company, Waukesha, Wis. Apparatus adapted to be mounted on, and to supply electric current to, railway cars, etc. Serial No. 620,447, Feb. 10. Class 21.
- Wells Lamont Corporation, Chicago, Ill. Work gloves. Serial No. 568,137, Feb. 10. Class 39.
- Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; papeteries. Serial No. 526,015, Feb. 10. Class 37.
- Weyerhaeuser Timber Company, Tacoma, Wash. Commutated barks of trees. Serial No. 622,569, Feb. 10. Class 1.
- White Swan Uniforms, Inc., Yonkers, N. Y. Ladies' and misses' uniforms. Serial No. 628,885, Feb. 10. Class 39.
- White Turkey—Murray Hill, The, New York, N. Y. Canned soup, and preserved watermelon rind. Serial No. 608,483, Feb. 10. Class 46.
- Whitson, Inc., New York, N. Y. Ladies' sweaters. Serial No. 632,641, Feb. 10. Class 39.
- Wian, Robert C., Enterprisen, Inc., Glendale, Calif. Hamburger sandwiches. Serial No. 633,746, Feb. 10. Class 46.
- Williams, L. S., Centerville, Calif. Fresh vegetables. Serial No. 601,180, Feb. 10. Class 46.
- Witz, Phillip, Denison, Tex. Loose-leaf folders and blank forms. Serial No. 631,192, Feb. 10. Class 37.
- Wonderknot Corporation, Lindenhurst, N. Y. Infants', young boys', young girls', men's, and women's under and outer shirts, sleeping shirts and pants, T-shirts, etc. Serial No. 632,138, Feb. 10. Class 39.
- Wood Shovel and Tool Company, The, Piqua, Ohio. Scoops and shovels. Serial No. 617,220, Feb. 10. Class 23.
- Woonsocket Spinning Company, Inc., Woonsocket, R. I. Textile fabrics. Serial No. 625,557, Feb. 10. Class 42.
- Woolster Brush Company, The, Wooster, Ohio. Paint applying devices. Serial No. 636,104, Feb. 10. Class 29.
- World Merchandise Exchange & Trading Co., Inc., New York, N. Y. Hand sewing needles. Serial No. 629,980, Feb. 10. Class 40.
- Wyandotte Chemicals Corporation, Wyandotte, Mich. Commercial laundry washing compound. Serial No. 634,357, Feb. 10. Class 52.
- Xenotek, Inc., Van Nuys, Calif. Vitamin A preparation. Serial No. 621,192, Feb. 10. Class 18.
- Youth Mode Bags, Inc., New York, N. Y. Traveling cases and traveling bags. Serial No. 630,819, Feb. 10. Class 3.
- Ziff-Davis Publishing Company, New York, N. Y. Magazines. Serial No. 628,976, Feb. 10. Class 38.
- Ziff-Davis Publishing Company, New York, N. Y. Magazines. Serial No. 628,978, Feb. 10. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

- A. Gazzoni & C., Bologna, Italy. Pharmaceutical preparation. 570,074, Feb. 10; Serial No. 560,014, published Nov. 4, 1952. Class 18.
- Abbott Laboratories, North Chicago, Ill. Stabilizing agent—namely, brominated olive oil, used in the preparation of non-alcoholic maltless soft drinks. 570,116, Feb. 10; Serial No. 592,856, published Oct. 28, 1952. Class 43.
- Abbott Laboratories, North Chicago, Ill. Preparation intended for use as a local anesthetic. 570,200, Feb. 10; Serial No. 614,386, published Nov. 4, 1952. Class 18.
- Abbott Laboratories, North Chicago, Ill. Penicillin G procaine. 570,431, Feb. 10; Serial No. 634,959, published Nov. 18, 1952. Class 18.
- Abbott Laboratories, North Chicago, Ill. Calcium gluconate-lactate solution. 570,432, Feb. 10; Serial No. 634,960, published Nov. 18, 1952. Class 18.
- Abbott Laboratories, North Chicago, Ill. Concentrated multiple vitamin preparation. 570,433, Feb. 10; Serial No. 634,961, published Nov. 18, 1952. Class 18.
- Addex Corporation, Cleveland, Ohio. Liquid asphalt. 570,190, Feb. 10; Serial No. 611,075, published Nov. 18, 1952. Class 12.
- Admatic Projector Company: See—
- Mummert, Maurice M.
- Admiral Fabrics Co.: See—
- York, Louis B.
- Advance Machine Company, Minneapolis, Minn. Electric floor polishing machines. 570,243, Feb. 10; Serial No. 617,939, published Oct. 28, 1952. Class 21.
- Advance Solvents & Chemical Corporation, New York, N. Y. Fungicides and mildew-proofing agents. 570,304, Feb. 10; Serial No. 624,002, published Nov. 11, 1952. Class 6.
- Aldens, Inc., Chicago, Ill. Electrical appliances. 570,332, Feb. 10; Serial No. 625,386, published Oct. 28, 1952. Class 21.
- Algemene Kunstzijde Unie N. V., Arnhem, Netherlands. Thermoplastic and thermosetting plastics. 570,405, Feb. 10; Serial No. 629,881, published Nov. 11, 1952. Class 6.
- Allied Electric Products, Inc., Irvington, N. J. Television picture tubes. 570,376, Feb. 10; Serial No. 627,729, published Nov. 4, 1952. Class 21.
- Allied Laboratories, Inc., Kansas City, Mo. Preparation for correcting nutritional deficiencies in animals. 570,166, Feb. 10; Serial No. 609,622, published Nov. 4, 1952. Class 18.
- Allied Stores Corporation: See—
- Hahn Department Stores, Inc.
- Ailing & Cory Company, The, Rochester, N. Y. Writing-paper, cover-paper, and enameled book-paper. 91,148, re-renewed Apr. 22, 1953. O. G. Feb. 10. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

- All Steel Equipment Inc., Aurora, Ill. Tote boxes. 570,071, Feb. 10; Serial No. 554,190, published July 15, 1952. Class 2.
- Altman, Bernhard, New York, N. Y. Piece goods, and knitted fabrics, elastic webbing, etc. 570,394, Feb. 10; Serial No. 628,981, published Nov. 11, 1952. Class 42.
- American Beauty Make-Up Band Co., The, Los Angeles, Calif. Make-up elastic bands for the head. 570,236, Feb. 10; Serial No. 617,597, published Nov. 4, 1952. Class 40.
- American Can Company, New York, N. Y. Advertising signs. 298,758, renewed Nov. 8, 1952. O. G. Feb. 10. Class 50.
- American Cyanamid Company, New York, N. Y. Topical preparation. 570,339, Feb. 10; Serial No. 623,783, published Nov. 18, 1952. Class 18.
- American Cystoscope Makers, Inc., New York, N. Y. Preparation to be taken internally for the purpose of serving as an X-ray contrast medium. 570,175-6, Feb. 10; Serial Nos. 611,010-11, published June 17, 1952. Class 18.
- American Deltoids Company, Inc., Yonkers, N. Y. Vitamin tablets. 570,363, Feb. 10; Serial No. 627,106, published Nov. 4, 1952. Class 18.
- American Fluorite Company, Inc., Cincinnati, Ohio. Plastic resins composition for caulking joints and crevices. 570,451, Feb. 10; Serial No. 557,816. Class 12.
- American Fluorite Company, Inc., Cincinnati, Ohio. Antifreeze accelerator, densifier, and hardener for hydraulic cement. 570,464, Feb. 10; Serial No. 608,693. Class 12.
- American Home Advertisers, Inc., Seattle, Wash. Composition roofing and siding. 570,257, Feb. 10; Serial No. 618,874, published Nov. 18, 1952. Class 12.
- American Iron and Machine Works Company, Oklahoma City, Okla. Valve assemblies and parts thereof. 570,201, Feb. 10; Serial No. 614,531, published Oct. 21, 1952. Class 23.
- American Machine and Metals, Inc., East Moline, Ill. Centrifugal extractors. 570,287, Feb. 10; Serial No. 621,745, published Oct. 21, 1952. Class 23.
- American Psychiatric Association, Washington, D. C. Monthly publication. 570,473, Feb. 10; Serial No. 620,077. Class 38.
- American Sales Book Company, Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. to Moore Business Forms, Inc., Niagara Falls, N. Y. Paper and stationery. 298,467, renewed Oct. 23, 1952. O. G. Feb. 10. Class 37.
- American Scientific Laboratories, Inc., Madison, Wis. Product for chemically caponizing and tenderizing poultry. 570,422, Feb. 10; Serial No. 633,703, published Nov. 25, 1952. Class 18.
- American Viscose Corporation, Philadelphia, Pa. Conditioning media for lubricating, sizing, and dressing yarns, threads, etc. 570,407, Feb. 10; Serial No. 630,374, published Nov. 18, 1952. Class 6.
- Ames Harris Nevills Co., San Francisco, Calif. Sporting goods. 570,208, Feb. 10; Serial No. 615,118, published Nov. 25, 1952. Class 22.
- Amersand Press, The: See—
Patterson, Stephen H., Jr.
- Anderson, Albert & J. M., Manufacturing Company, Boston, Mass. Electrical apparatus. 570,075-8, Feb. 10; Serial Nos. 562,682-3, published Oct. 28, 1952. Class 21.
- Apfel, S. & Co., Inc., New York, N. Y. Caps. 570,466, Feb. 10; Serial No. 612,989. Class 39.
- Ar. Wizard, Inc., New York, N. Y. Powder puffs, dusting mittens, dish mops, etc. 302,422, renewed Apr. 18, 1953. O. G. Feb. 10. Class 29.
- Arden, Elizabeth, Sales Corporation, New York, N. Y. Bath salts. 570,345-6, Feb. 10; Serial Nos. 626,138-9, published Oct. 14, 1952. Class 51.
- Arkansas Company, Inc., Newark, N. J. Mixture of water-soluble alkaline salts. 570,243, Feb. 10; Serial No. 617,743, published Nov. 11, 1952. Class 6.
- Armstrong, W. Lewis, Old Forge, N. Y. Fire fighting equipment. 570,105, Feb. 10; Serial No. 590,131, published Oct. 21, 1952. Class 23.
- Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electrical switches and electric lamp sockets. 570,378, Feb. 10; Serial No. 627,795, published Nov. 4, 1952. Class 21.
- Arrow Liqueurs Corporation, Detroit, Mich. Alcoholic cordials and liqueurs. 570,125, Feb. 10; Serial No. 596,706, published Nov. 4, 1952. Class 49.
- Arrowood, S. D. & Co., Incorporated, New York, N. Y. Hosiery. 570,372, Feb. 10; Serial No. 627,373, published Nov. 11, 1952. Class 39.
- Askin, Martin L., Philadelphia, Pa. Perforated and unperforated band or tape to be wrapped over surgical dressings and bandages. 570,288, Feb. 10; Serial No. 621,746, published Oct. 14, 1952. Class 44.
- Astron Corporation, East Newark, N. J. Metallized-paper capacitors. 570,272, Feb. 10; Serial No. 620,081, published Oct. 28, 1952. Class 21.
- Atlantic Chemicals, Inc., Orlando, Fla. Liquid air entrainer and hardening agent. 570,122, Feb. 10; Serial No. 595,758, published Nov. 18, 1952. Class 6.
- Audio Products Corporation, Los Angeles, Calif. Miniature replaceable self-contained electronic circuits. 570,302, Feb. 10; Serial No. 623,632, published Oct. 28, 1952. Class 21.
- Bablt, David, Mount Vernon, N. Y. Hosiery. 570,477, Feb. 10; Serial No. 621,250. Class 32.
- Bancroft, Joseph, & Sons Co., Wilmington, Del. Book-clothes. 68,727, re-renewed Oct. 22, 1952. O. G. Feb. 10. Class 42.
- Bancroft, Joseph, & Sons Co., Wilmington, Del. Window-shade fabrics. 88,728, re-renewed Oct. 22, 1952. O. G. Feb. 10. Class 42.
- Bargman, Theodore, Detroit, Mich. Electric lamp shade. 570,316, Feb. 10; Serial No. 624,622, published Oct. 28, 1952. Class 21.
- Barnes, A. C., Company, Inc.: See—
Barnes, Albert C.
- Barnes, Albert C., Philadelphia, Pa. to A. C. Barnes Company, Inc., New York, N. Y. Silver vitellin used for medicinal purposes. 39,326, re-renewed Nov. 18, 1952. O. G. Feb. 10. Class 18.
- Barnes-Shasta Pump Co., assignee: See—
Shasta Pump Company.
- Barringer Knitting Mills, Inc., Philadelphia, Pa. Men's, women's and children's sweaters. 570,310, Feb. 10; Serial No. 624,259, published Nov. 11, 1952. Class 39.
- Bartmann & Blier, Inc., New York, N. Y. Window curtains. 570,300, Feb. 10; Serial No. 623,584, published Nov. 18, 1952. Class 42.
- Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. 299,433, renewed Dec. 6, 1952. O. G. Feb. 10. Class 26.
- Behr, Herman, & Company, Incorporated, Brooklyn, by Behr-Manning Corporation, Troy, N. Y. Abrasive papers and cloths. 167,642, Aug. 15, 1922. Republished Feb. 10. Class 4.
- Behr, Herman, & Company, Incorporated, Brooklyn, by Behr-Manning Corporation, Troy, N. Y. Abrasive papers and cloths. 168,942, May 29, 1923. Republished Feb. 10. Class 4.
- Behr-Manning Corporation: See—
Behr, Herman, & Company, Incorporated.
- Behr-Manning Corporation, Troy, N. Y. Adhesives. 570,426, Feb. 10; Serial No. 634,506, published Nov. 11, 1952. Class 5.
- Bendix Aviation Corporation, South Bend, Ind. Vehicle braking systems and accessories therefor. 570,083, Feb. 10; Serial No. 570,087, published Oct. 21, 1952. Class 19.
- Berman, A. M., doing business as A. M. Berman Co., Boston, Mass. Men's toiletry. 570,468, Feb. 10; Serial No. 618,843. Class 51.
- Berman, A. M. Co.: See—
Berman, A. M.
- Bertley Company, Incorporated, New York, N. Y. Seat and back cushion covers for automobiles. 570,139, Feb. 10; Serial No. 601,973, published Sept. 23, 1952. Class 19.
- Bishop-Conklin Company, The, Los Angeles, Calif. Enamels. 570,069, Feb. 10; Serial No. 551,161, published Nov. 11, 1952. Class 16.
- Blanchet, Maurice, Parfums de Luxe Societe Anonyme, Suresnes, France. Perfume, toilet water, eau de cologne, etc. 570,081, Feb. 10; Serial No. 569,720, published Oct. 14, 1952. Class 51.
- Block Drug Company, Inc., doing business under the trade name and style of Emergency Laboratories, Jersey City, N. J. Rectal pile ointment. 570,158, Feb. 10; Serial No. 608,265, published Nov. 4, 1952. Class 18.
- Boller Specialties Corporation, Chicago, Ill. Surface boiler skimmers. 570,178, Feb. 10; Serial No. 611,257, published Nov. 4, 1952. Class 13.
- Bo-Kay Perfume Company, Inc.: See—
Talcum Puff Co., Inc.
- Boosey & Hawkes New York Limited: See—
Boosey and Hawkes, U. S. A., Ltd.
- Boosey and Hawkes, U. S. A., Ltd., Oceanside, N. Y., now by change of name Boosey & Hawkes New York Limited. Musical instruments. 570,255, Feb. 10; Serial No. 618,617, published Nov. 25, 1952. Class 36.
- Boston Machine Works Company, Lynn, Mass. Cut and slatted bricks and stripping. 570,164, Feb. 10; Serial No. 609,024, published Oct. 14, 1952. Class 12.
- Botany Mills, Inc., Passaic, N. J. Piece goods. 570,398, Feb. 10; Serial No. 629,346, published Nov. 18, 1952. Class 42.
- Botany Mills, Inc., Passaic, N. J. Piece goods. 570,414, Feb. 10; Serial No. 631,536, published Nov. 18, 1952. Class 42.
- Brantford Industries Limited, Brantford, Ontario, Canada. Liquid and paste wax applicators. 570,144, Feb. 10; Serial No. 603,339, published Nov. 11, 1952. Class 29.
- Bravo Products, Chicago, Ill. Nursing aids. 570,341, Feb. 10; Serial No. 625,844, published Oct. 14, 1952. Class 44.
- Breeze, Corporations, Inc., Newark, N. J. Casings for the electrical equipment of motors and similar power apparatus. 294,293, May 24, 1932. Republished Feb. 10. Class 21.
- Breon, George A., & Company, New York, N. Y. Adrenocorticotrophic hormone preparation. 570,418, Feb. 10; Serial No. 632,601, published Nov. 18, 1952. Class 18.

LIST OF REGISTRANTS OF TRADE-MARKS

- Breuer, Georges, doing business under the name and style of Scholl & Hillebrand, Rudesheim-on-the-Rhine, Germany. Waxes. 570,370, Feb. 10; Serial No. 627,299, published Nov. 4, 1952. Class 47.
- Brewing Corporation of America, Cleveland, Ohio. Ale. 570,202, Feb. 10; Serial No. 614,749, published Oct. 28, 1952. Class 48.
- Brithart, Arnold, Huntington, N. Y. Mouthpiece for wind musical instruments. 570,465, Feb. 10; Serial No. 611,215. Class 36.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Cough syrup. 570,434, Feb. 10; Serial No. 635,023, published Nov. 18, 1952. Class 18.
- Brod, L., Company, Philadelphia, Pa. Ladies' and children's blouses. 570,395, Feb. 10; Serial No. 628,995, published Nov. 11, 1952. Class 39.
- Brooks, Betty, Co., Huntington Park, Calif. Women's and children's slacks, outer shorts, skirts, etc. 570,270, Feb. 10; Serial No. 619,964, published Nov. 11, 1952. Class 39.
- Brush Development Company, The, Cleveland, Ohio. Switch mechanism. 570,194, Feb. 10; Serial No. 612,726, published Oct. 28, 1952. Class 21.
- Buch Manufacturing Company, Elizabethtown, Pa. Wheelbarrows. 570,193, Feb. 10; Serial No. 612,303, published Sept. 30, 1952. Class 19.
- Burnett, Thomas D., Sparks, Md. Fertilizer. 570,226, Feb. 10; Serial No. 619,132, published Dec. 2, 1952. Class 10.
- Burtonite Company, The: See—
Greenwood, Burton H.
- Bussmann Manufacturing Company: See—
McGraw Electric Company, The.
- Butcher Polish Company, The, Boston, Mass. Paste and liquid waxes, and self-polishing wax. 570,129, Feb. 10; Serial No. 598,000, published Nov. 18, 1952. Class 4.
- Button King, The: See—
Lewis, Clifton D.
- CBC Electronics Co., Philadelphia, Pa. Television picture tube reactifiers. 570,256, Feb. 10; Serial No. 618,622, published Nov. 18, 1952. Class 21.
- C. G. Trading Corp., New York, N. Y. Jute webbing. 570,293, Feb. 10; Serial No. 622,526, published Nov. 18, 1952. Class 42.
- Calgon, Incorporated, Pittsburgh, Pa. Water softening and water conditioning chemicals. 570,365, Feb. 10; Serial No. 627,170, published Nov. 11, 1952. Class 6.
- California Cellars, doing business as Napa & Sonoma Wine Co., San Francisco and Sonoma, Calif. Wines. 570,112, Feb. 10; Serial No. 602,071, published Nov. 11, 1952. Class 47.
- California Smitty's, Los Angeles, Calif. Ladies' and misses' wearing apparel. 570,485, Feb. 10; Serial No. 628,141. Class 39.
- California Spray-Chemical Corporation, Wilmington, Del., and Berkeley, Calif., to California Spray-Chemical Corporation, Richmond, Calif. Insecticides, germicides and fungicides. 299,042, renewed Nov. 22, 1952. O. G. Feb. 10. Class 18.
- Campana Corporation, Batavia, Ill. Liquid make-up preparation. 570,197, Feb. 10; Serial No. 613,500, published Oct. 14, 1952. Class 51.
- Carbide and Carbon Chemicals Corporation, to Union Carbide and Carbon Corporation, New York, N. Y. Denatured alcohol and alcohol. 300,602, renewed Jan. 24, 1953. O. G. Feb. 10. Class 6.
- Cardinet Candy Co., to Cardinet Candy Company, Inc., Oakland, Calif. Candy. 91,070, re-renewed Apr. 15, 1953. O. G. Feb. 10. Class 46.
- Cardinet Candy Company, Inc.: See—
Cardinet Candy Co.
- Cart-Tier Company, The: See—
Hilliker, Frank T.
- Casa Vinicola Barone Ricasoli: See—
Friedrich, Bettino R.
- Cassella Farbwerke Mainkur, Frankfurt-on-the-Main-Fechenheim, Germany. Chemical products. 570,208, Feb. 10; Serial No. 616,154, published Nov. 18, 1952. Class 6.
- Catholic Press Company, Inc., The, to The New World Publishing Company, Chicago, Ill. Newspaper. 293,193, renewed Apr. 12, 1952. O. G. Feb. 10. Class 38.
- Celanese Corporation of America, New York, N. Y. Sheets, webs and batts made wholly or partially of cellulose derivatives. 570,308, Feb. 10; Serial No. 624,224, published Nov. 4, 1952. Class 1.
- Cella Brothers, Inc., by Schenley Industries, Inc., New York, N. Y. Wines. 316,153, Aug. 14, 1934. Republished Feb. 10. Class 47.
- Celotex Corporation, The, Chicago, Ill. Shingle design siding panels. 570,115, Feb. 10; Serial No. 592,544, published Nov. 18, 1952. Class 12.
- Celotex Corporation, The, Chicago, Ill. Decorative tile. 570,374, Feb. 10; Serial No. 627,624, published Nov. 18, 1952. Class 12.
- Centennial Flouring Mills Company, Seattle, Wash. Stock feed and poultry feed and pancake and waffle flour. 299,563, renewed Dec. 13, 1952. O. G. Feb. 10. Class 46.
- Chadbourne Hosiery Mills, Incorporated, Charlotte, N. C. Ladies' hosiery. 570,311, Feb. 10; Serial No. 624,264, published Nov. 18, 1952. Class 39.
- Christian Brothers of California, The: See—
De La Salle Institute.
- Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 570,186-7, Feb. 10; Serial Nos. 611,402-3, published Sept. 30, 1952. Class 19.
- Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 570,188, Feb. 10; Serial No. 611,405, published Oct. 28, 1952. Class 19.
- Ciba Limited, Basel, Switzerland. Synthetic resinous adhesives. 570,399, Feb. 10; Serial No. 629,356, published Nov. 11, 1952. Class 5.
- City Tool Accessories Corporation, Chicago, Ill. Automobile accessories. 570,195, Feb. 10; Serial No. 613,117, published Oct. 14, 1952. Class 19.
- Clark Brothers Chewing Gum Company, Pittsburgh, Pa. Chewing gum. 570,480, Feb. 10; Serial No. 622,067. Class 46.
- Clark Thread Company, Inc., The: See—
Clark Thread Company, The.
Spool Cotton Company, The.
- Clark Thread Company, The, Newark, N. J., to The Clark Thread Company, Inc., Clarkdale, Ga. Thread and yarn. 302,103-4, renewed Mar. 28, 1953. O. G. Feb. 10. Class 43.
- Clark Thread Company, The, Newark, N. J., to The Clark Thread Company, Inc., Clarkdale, Ga. Thread and yarn. 302,206, renewed Apr. 4, 1953. O. G. Feb. 10. Class 43.
- Clasold Publishing Co., Chicago, Ill. Magazine. 570,487, Feb. 10; Serial No. 629,886. Class 38.
- Clover Farm Stores Corporation, Cleveland, Ohio. Brooms. 570,421, Feb. 10; Serial No. 633,490, published Nov. 11, 1952. Class 29.
- Coggins, Harold C., doing business as Coy Gin Company, Coy, Ark. Cotton insecticide. 570,366, Feb. 10; Serial No. 627,172, published Nov. 11, 1952. Class 6.
- Cohen, Goldman & Co., Inc., New York, N. Y., to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's, boys' and children's outer garments. 302,633, renewed Apr. 25, 1953. O. G. Feb. 10. Class 39.
- Collin Forbes & Co., Glasgow, Scotland. Wines. 570,335, Feb. 10; Serial No. 625,564, published Nov. 18, 1952. Class 47.
- Collin Forbes & Co., Glasgow, Scotland. Scotch whisky. 570,336, Feb. 10; Serial No. 625,565, published Nov. 18, 1952. Class 49.
- College Inn Food Products Company, Chicago, Ill. Brandy, creme de menthe, kummel, etc. 570,209, Feb. 10; Serial No. 616,159, published Nov. 18, 1952. Class 49.
- Collington Laboratories: See—
Uhlender, H. A., & Company.
- Compcor Corporation, Chicago, Ill. Automobile accessories. 570,121, Feb. 10; Serial No. 594,954, published Sept. 23, 1952. Class 19.
- Constant, Inc., Milwaukee, Wis. Women's hosiery. 570,333, Feb. 10; Serial No. 625,403, published Nov. 18, 1952. Class 39.
- Coombs Luma-Rim Company: See—
Coombs, Robert S.
- Coombs, Robert S., doing business as Coombs Luma-Rim Company, San Francisco, assignor to Luma-Rim Corporation, Oakland, Calif. Safety device for automobiles. 570,107, Feb. 10; Serial No. 591,688, published Sept. 30, 1952. Class 19.
- Cordo Chemical Corporation, The, Norwalk, Conn. Polyester type, impregnated glass fiber. 570,323, Feb. 10; Serial No. 624,931, published Oct. 14, 1952. Class 1.
- Corn Products Refining Company, New York, N. Y. Fruit jelly. 90,171, re-renewed Feb. 11, 1953. O. G. Feb. 10. Class 46.
- Coy Gin Company: See—
Coggins, Harold C.
- Craft Company, The, Jackson, Miss. Ladies' hosiery. 570,457, Feb. 10; Serial No. 596,393. Class 39.
- Cremo Mfg. Co., The, Philadelphia, Pa. Marshmallow cream. 570,354, Feb. 10; Serial No. 626,657, published Nov. 11, 1952. Class 46.
- Crescent Plastics, Inc., Evansville, Ind. Plastic pipe. 570,403, Feb. 10; Serial No. 629,653, published Nov. 11, 1952. Class 13.
- Crews Fruit Company, Denver, Colo. Fresh fruits and vegetables. 570,096-7, Feb. 10; Serial Nos. 585,433-4, published Nov. 18, 1952. Class 46.
- Crosston Co.: See—
Crosston, Frederick.
- Crosston, Frederick, doing business as Crosston Co., Long Island City, N. Y. Cases made of leather. 570,463, Feb. 10; Serial No. 608,150. Class 3.
- Daily Pump Co.: See—
Daily, S. N.
- Daily, S. N., doing business as Daily Pump Co., Quapaw, Okla. Pump. 570,253, Feb. 10; Serial No. 613,448, published Oct. 21, 1952. Class 23.
- Daniels, C. R., Inc., Baltimore, Md. Carrier boxes mounted on rollers. 570,072, Feb. 10; Serial No. 557,437, published Oct. 21, 1952. Class 19.
- Decca Records, Inc., New York, N. Y. Grooved phonograph records. 570,090, Feb. 10; Serial No. 579,533, published Nov. 18, 1952. Class 36.
- Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. 570,315, Feb. 10; Serial No. 624,592, published Nov. 25, 1952. Class 36.
- Deba & Co., Inc.: See—
Stanley, Wm. H., Inc.

LIST OF REGISTRANTS OF TRADE-MARKS

- De La Salle Institute, doing business as Mont La Salle Vineyards and as The Christian Brothers of California, Napa, Calif. Port wine. 570,230, Feb. 10; Serial No. 617,236, published Nov. 4, 1952. Class 47.
- De Montesquiou-Fezensac, Duc M. J. V. P., Neuilly-sur-Seine, France. Armagnac brandy. 570,165, Feb. 10; Serial No. 609,122, published Nov. 4, 1952. Class 49.
- De Montesquiou-Fezensac, Duc M. J. V. P., Neuilly-sur-Seine, France. Armagnac brandy. 570,317, Feb. 10; Serial No. 624,640, published Nov. 4, 1952. Class 49.
- Deans & Sons, Long Island City, N. Y. Posting board. 570,135, Feb. 10; Serial No. 600,577, published Nov. 4, 1952. Class 37.
- Dewey and Almy Chemical Company, Cambridge, Mass. Chemical composition. 570,356, Feb. 10; Serial No. 626,864, published Nov. 11, 1952. Class 6.
- Ditto, Incorporated, Chicago, Ill. Electrically operated duplicating machines. 570,298, Feb. 10; Serial No. 623,130, published Oct. 28, 1952. Class 21.
- Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 570,478, Feb. 10; Serial No. 621,260. Class 37.
- Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. 570,417, Feb. 10; Serial No. 632,550, published Nov. 18, 1952. Class 6.
- Dole Sales Company: See—
Empacadora de Loma Bonita, S. A.
- Donfield Company, Inc., Syracuse, N. Y. Skin lotion. 570,371, Feb. 10; Serial No. 627,307, published Oct. 14, 1952. Class 51.
- Dorr Company, The, Stamford, Conn. Apparatus for waste water treatment. 570,283, Feb. 10; Serial No. 621,357, published Oct. 21, 1952. Class 23.
- Dow Corning Corporation, Midland, Mich. Electrical insulating material. 570,268, Feb. 10; Serial No. 619,818, published Oct. 21, 1952. Class 21.
- Dowling Manufacturing, Inc., San Francisco and Alameda, Calif. Floating action door hangers. 570,171, Feb. 10; Serial No. 610,313, published Nov. 11, 1952. Class 13.
- Dowling Manufacturing, Inc., San Francisco, Calif. Floating action door hangers. 570,289, Feb. 10; Serial No. 622,104, published Nov. 11, 1952. Class 13.
- Drug Specialties, Inc., Winston-Salem, N. C. Medical preparation. 570,416, Feb. 10; Serial No. 632,510, published Nov. 18, 1952. Class 18.
- Dual Electric Triple Alarm Co.: See—
Mears, Harold A.
- Duro Metal Products Co., Chicago, Ill. Power driven woodworking machinery sets of assorted tools for automotive vehicle maintenance and repair, etc. 570,265, Feb. 10; Serial No. 619,502, published Nov. 4, 1952. Class 23.
- Dyna-Fog Corp., Vandalia, Ohio. Jet insecticidal fog generators. 570,130, Feb. 10; Serial No. 598,071, published Oct. 21, 1952. Class 23.
- E-Z-On Maternity Dress Co., Inc., New York, N. Y. Ladies' dresses. 570,215, Feb. 10; Serial No. 615,489, published Nov. 11, 1952. Class 39.
- Easco Manufacturing Co., Inc., Irvington, N. J. Automobile seat covers. 570,110, Feb. 10; Serial No. 591,884, published Sept. 23, 1952. Class 19.
- Eberly, John A., Inc., Mohnton, Pa. Emery cord and tape, crocus abrasive cord and oiled abrasive cord. 570,111, Feb. 10; Serial No. 591,918, published Nov. 11, 1952. Class 4.
- Electronic Engineering Co.: See—
Solosound Industries, Inc.
- Embassy Dairy, Inc., Wilmington, Del., and Washington, D. C. Fluid milk, fluid buttermilk, fluid cream, etc. 570,320, Feb. 10; Serial No. 624,782, published Nov. 11, 1952. Class 46.
- Emergency Laboratories: See—
Block Drug Company, Inc.
- Empacadora de Loma Bonita, S. A., Mexico City, Mexico, assignee of Hawaiian Pineapple Company, Ltd., doing business as Dole Sales Company. Canned fruits and canned pineapple juice. 570,147, Feb. 10; Serial No. 605,030, published Oct. 28, 1952. Class 46.
- Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Crude plastic materials. 570,089, Feb. 10; Serial No. 577,181, published Nov. 11, 1952. Class 6.
- Etablissements L. Pierret & Cie, Société à Responsabilité Limitée, Paris (Seine), France. Saxophones, violins, pianos, etc. 570,138, Feb. 10; Serial No. 601,318, published Nov. 25, 1952. Class 36.
- Evans Case Co., North Attleboro, Mass. Handbags and fitted handbags. 570,434, Feb. 10; Serial No. 591,982. Class 3.
- Evans, Ernest J., doing business as West Los Angeles Milling Co., Los Angeles, Calif. Dried beans, lima beans, peas, etc. 570,450, Feb. 10; Serial No. 585,399. Class 46.
- Exclusive Import Company, Inc., Chicago, Ill. Perfumes, perfume essences, and toilet water. 570,268, Feb. 10; Serial No. 619,613, published Oct. 14, 1952. Class 51.
- Exterminator Corporation of America, Philadelphia, Pa. Electric vaporizer. 570,325, Feb. 10; Serial No. 625,064, published Oct. 28, 1952. Class 21.
- Falcon Plastic Products Mfg. Co., Culver City, Calif. Light switch plates. 570,294, Feb. 10; Serial No. 622,529, published Oct. 28, 1952. Class 21.
- Farm Bureau Cooperative Association, Inc., The, Columbus, Ohio. Insecticides and fungicides. 570,406, Feb. 10; Serial No. 630,297, published Nov. 18, 1952. Class 6.
- Farmers Engineering & Manufacturing Co., Pittsburgh, Pa. Telephone apparatus. 570,093, Feb. 10; Serial No. 581,871, published Oct. 28, 1952. Class 21.
- Federated Department Stores, Inc., Cincinnati, Ohio. Storage batteries, electric batteries, etc. 570,351, Feb. 10; Serial No. 626,616, published Nov. 18, 1952. Class 21.
- Felters Company, The, Boston, Mass. Vibration absorbing materials. 570,216, Feb. 10; Serial No. 615,175, published Nov. 18, 1952. Class 12.
- Fine Products Corporation, Augusta, Ga. Candy. 570,290, Feb. 10; Serial No. 622,109, published June 10, 1952. Class 46.
- Fire Association of Philadelphia, Philadelphia, Pa. Insuring of purchasers of fire, marine, motor vehicle, etc., policies of insurance, etc. 570,444, Feb. 10; Serial No. 628,083, published Nov. 11, 1952. Class 102.
- Firidolf, Bettino R., doing business as Casa Vinicola Barone Ricasoli, Firenze, Italy. Wines. 570,058, Feb. 10; Serial No. 514,324, published Nov. 4, 1952. Class 47.
- Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. 570,119, Feb. 10; Serial No. 594,206, published Oct. 14, 1952. Class 18.
- Firmenich, Incorporated, assignee: See—
Firmenich & Co.
- Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. 570,237, Feb. 10; Serial No. 617,605, published Oct. 14, 1952. Class 61.
- Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. 570,238-40, Feb. 10; Serial Nos. 617,611-13, published Oct. 14, 1952. Class 51.
- Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. 570,241, Feb. 10; Serial No. 617,615, published Oct. 14, 1952. Class 51.
- Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. 570,242, Feb. 10; Serial No. 617,617, published Oct. 14, 1952. Class 51.
- Flasher Bros. Paper Company, Fort Wayne, Ind. Wrapping-paper. 59,242, re-renewed Dec. 3, 1952. O. G. Feb. 10. Class 37.
- Flanley and Woodward, New York, N. Y. Counseling on public relations policies and programs, etc. 570,494, Feb. 10; Serial No. 558,783. Class 101.
- Flavor Corporation of America, Chicago, Ill. Flavoring extracts. 570,446, Feb. 10; Serial No. 535,016. Class 46.
- Flintkote Company, The, New York, N. Y. Roofing shingles. 570,483, Feb. 10; Serial No. 626,622. Class 12.
- Florists' Telegraph Delivery Association, Detroit, Mich. Natural flowers and plants. 570,445, Feb. 10; Serial No. 573,417, published Nov. 4, 1952. Class 1.
- Forker Corporation, The, Cleveland, Ohio. Overhead transportation systems. 564,010, Sept. 16, 1952. Corrected. O. G. Feb. 10. Class 23.
- Forman, Ford and Company, Minneapolis, Minn. Silicon plastic joint and crack filler. 570,467, Feb. 10; Serial No. 613,564. Class 12.
- Forstmann & Huffman Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 299,278, renewed Nov. 29, 1952. O. G. Feb. 10. Class 42.
- Forstmann Woolen Co.: See—
Forstmann & Huffman Company.
- Forstmann Woolen Co., to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 299,272, renewed Nov. 29, 1952. O. G. Feb. 10. Class 42.
- Forstmann Woolen Co., to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 299,352-7, renewed Nov. 29, 1952. O. G. Feb. 10. Class 42.
- Forstmann Woolen Co., to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 299,359-60, renewed Nov. 29, 1952. O. G. Feb. 10. Class 42.
- Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 570,412, Feb. 10; Serial No. 631,349, published Nov. 18, 1952. Class 42.
- Fricac Mfg. Co., Inc., Schenectady, N. Y. Wall type towel dispensers and parts thereof. 570,231, Feb. 10; Serial No. 617,240, published Nov. 18, 1952. Class 13.
- Fruit of the Loom, Inc.: See—
Knight, B. B. & R. Corporation.
- Garcia International Corporation, Chicago, Ill. Mufflers, tail pipes, exhaust pipes, etc. 570,261, Feb. 10; Serial No. 619,296, published Oct. 28, 1952. Class 19.
- Gebir, de Trey, Aktiengesellschaft, Zurich, Switzerland. Antiseptic, resorbable root canal filling for treatment of acute periapical infection, etc. 570,260, Feb. 10; Serial No. 619,012, published Nov. 4, 1952. Class 18.
- Gebroeders van Heek N. Y. Enschede, Netherlands. Fabrics. 570,169, Feb. 10; Serial No. 609,971, published July 29, 1952. Class 42.
- General American Transportation Corporation, Chicago, Ill. Railway freight cars, refrigerator cars, tank cars, etc. 570,117, Feb. 10; Serial No. 593,067, published Sept. 23, 1952. Class 19.
- General Distillers Corporation of Kentucky, Louisville, Ky. Whiskey, gin, rum, etc. 570,060, Feb. 10; Serial No. 535,841, published Nov. 18, 1952. Class 49.
- General Mills, Inc., Minneapolis, Minn. Poultry, dairy, and stock feed. 302,325, renewed Apr. 11, 1953. O. G. Feb. 10. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

- General Motors Corporation, Detroit, Mich. Hinges, escutcheons, door handles, etc. 570,393, Feb. 10; Serial No. 628,935, published Nov. 4, 1952. Class 13.
- Gets Exterminators, Inc., St. Louis, Mo. Preparations for exterminating insects. 297,145, Sept. 6, 1932. Republished Feb. 10. Class 6.
- Gilbert Products Corporation, The, New York, N. Y. Bowling socks. 570,233, Feb. 10; Serial No. 617,540, published Nov. 11, 1952. Class 39.
- Gilda Audrey Products, Inc., New York, N. Y. Cold wave solution. 570,262, Feb. 10; Serial No. 619,326, published Oct. 14, 1952. Class 51.
- Given Manufacturing Co., Los Angeles, Calif. Electrically operated automatic dish washers. 570,172, Feb. 10; Serial No. 610,439, published Apr. 22, 1952. Class 21.
- Globe Roofing Products Co., Inc., Whiting, Ind. Surfacing materials. 570,109, Feb. 10; Serial No. 591,847, published Oct. 9, 1951. Class 12.
- Goal Insurance Machines, Incorporated, Houston, Tex., assignor to Insurograph, Inc., Birmingham, Ala. Insurance vending machines. 570,099, Feb. 10; Serial No. 586,597, published Aug. 19, 1952. Class 23.
- Gobbler's Knob Hickory, Inc., Paris, Tenn. Hardwood chips. 570,355, Feb. 10; Serial No. 626,739, published Oct. 28, 1952. Class 1.
- Good Will Sales, Inc., Gastonia, N. C. Aluminiumware. 570,291, Feb. 10; Serial No. 622,390, published Nov. 18, 1952. Class 13.
- Goodyear Tire & Rubber Company, The, Akron, Ohio. Hoses composed wholly or principally of rubber. 570,379, Feb. 10; Serial No. 627,814, published Nov. 18, 1952. Class 35.
- Gourmet: See—
Smith, Ward W.
- Grand Rapids Hardware Company, Grand Rapids, Mich. Devices for holding window sash. 570,136, Feb. 10; Serial No. 600,775, published Nov. 18, 1952. Class 13.
- Great Atlantic and Pacific Tea Company, The, New York, N. Y. Coffee. 302,068, renewed Apr. 25, 1953. O. G. Feb. 10. Class 46.
- Great Atlantic and Pacific Tea Company, The, New York, N. Y. Coffee. 302,671, renewed Apr. 25, 1953. O. G. Feb. 10. Class 46.
- Great Atlantic and Pacific Tea Company, The, New York, N. Y. Candy. 570,389, Feb. 10; Serial No. 628,624, published Nov. 18, 1952. Class 46.
- Great Lakes Carbon Corporation, New York, N. Y. Expanded and/or comminuted perlite aggregate as a paint filler. 570,212, Feb. 10; Serial No. 615,219, published Nov. 11, 1952. Class 16.
- Greenwood, Hurton H., doing business under the name of The Burtonite Company, Nutley, N. J. Hydrophilic colloids—namely, animal glues. 570,296, Feb. 10; Serial No. 622,993, published Nov. 18, 1952. Class 5.
- Griesedieck Western Brewery Company, doing business as Hyde Park Breweries Association, Belleville, Ill., and St. Louis, Mo. Beer. 570,222, Feb. 10; Serial No. 610,171, published Nov. 18, 1952. Class 48.
- Griffin Manufacturing Co., Inc., Brooklyn, N. Y. Preparations for cleaning, coloring, dressing, polishing, and shining shoes, boots, etc. 570,217-18, Feb. 10; Serial No. 615,892-3, published Oct. 28, 1952. Class 4.
- Grismer, Earl Co., Indianapolis, Ind. Roach exterminator. 570,402, Feb. 10; Serial No. 629,480, published Nov. 11, 1952. Class 6.
- Guardian Electric Manufacturing Co., Chicago, Ill. Electromagnets, relays, solenoids, and switches. 570,073, Feb. 10; Serial No. 559,152, published Oct. 28, 1952. Class 21.
- H & H Distributing Company, Inc., Chicago, Ill. Whiskey. 570,183, Feb. 10; Serial No. 611,356, published Oct. 28, 1952. Class 49.
- Hahn Department Stores, Inc., Wilmington, Del., to Allied Stores Corporation, New York, N. Y. Men's and boys' clothing and accessories. 301,762, renewed Mar. 14, 1953. O. G. Feb. 10. Class 39.
- Hahn Department Stores, Inc., Wilmington, Del., to Allied Stores Corporation, New York, N. Y. Women's ready-to-wear and accessories. 302,058, renewed Mar. 28, 1953. O. G. Feb. 10. Class 39.
- Italo Recording Corporation, Forest Hills, N. Y. Grooved phonograph records. 570,229, Feb. 10; Serial No. 617,147, published Nov. 18, 1952. Class 36.
- Half Moon Fruit & Produce Co., doing business under the fictitious name and style of Kendale Farms, San Francisco, Calif. Fresh tomatoes. 570,304, Feb. 10; Serial No. 627,129, published Nov. 18, 1952. Class 46.
- Hammontree Brothers Lumber Company, Chattanooga, Tenn. Window units. 570,492, Feb. 10; Serial No. 633,107. Class 12.
- Hand Sales Manufacturing Company, Inc., Cleveland, Ohio. Hand-operated right-angle drive adapter mechanism. 570,126, Feb. 10; Serial No. 596,995, published Oct. 21, 1952. Class 23.
- Handlin Corporation, Chicago, Ill. Hydraulic riveters, punches and crimpers, pneumatic arbor presses, etc. 570,059, Feb. 10; Serial No. 533,305, published Aug. 19, 1952. Class 23.
- Hardwick Woolen Mills, Inc., Cleveland, Tenn. Men's, students', cadets' and boys' suits, topcoats, slacks, etc. 570,481, Feb. 10; Serial No. 622,716. Class 39.
- Harts Mountain Products, New York, N. Y. Birds. 570,340, Feb. 10; Serial No. 625,800, published Oct. 14, 1952. Class 1.
- Hawaiian Pineapple Company, Ltd.: See—
Empacadora de Loma Bonita, S. A.
- Hayes, Brice Co., The: See—
Hayes, Brice E.
- Hayes, Brice E., doing business as The Brice Hayes Co., Chicago, Ill. Fence anchors and sheet metal strips. 570,390, Feb. 10; Serial No. 628,625, published Nov. 4, 1952. Class 13.
- Heathcoat, John, and Co., Inc., assignee: See—
Heathcoat, John, and Company Limited.
- Heathcoat, John, and Company Limited, Tiverton, England, assignor to John Heathcoat & Co., Inc., New York, N. Y. Textile piece goods. 570,179, Feb. 10; Serial No. 611,271, published Nov. 18, 1952. Class 42.
- Heathcoat, John, and Company Limited, Tiverton, England, assignor to John Heathcoat & Co., Inc., New York, N. Y. Piece goods. 570,180, Feb. 10; Serial No. 611,272, published Nov. 18, 1952. Class 42.
- Heathcoat, John, and Company Limited, Tiverton, Devonshire, England, assignor to John Heathcoat & Co., Inc., New York, N. Y. Textile piece goods. 570,181, Feb. 10; Serial No. 611,273, published Nov. 18, 1952. Class 42.
- Hemilway & Bartlett Mfg. Co., The, Watertown, Conn. Nylon sewing thread. 570,322, Feb. 10; Serial No. 624,831, published Nov. 11, 1952. Class 43.
- Hemphill Company, Pawtucket, R. I. Men's, women's, boys', girls', children's, and infants' hosiery. 570,303, Feb. 10; Serial No. 623,887, published Nov. 18, 1952. Class 39.
- Heublein, G. F., & Bros., Inc., Hartford, Conn. Vodka. 570,329, Feb. 10; Serial No. 625,202, published Oct. 28, 1952. Class 49.
- Hilliker, Frank T., doing business as The Cart-Tier Company, St. Louis, Mo. Hand trucks. 570,159, Feb. 10; Serial No. 608,274, published Oct. 21, 1952. Class 19.
- Hillyard Chemical Company, St. Joseph, Mo. Liquid wax floor dressing. 570,204, Feb. 10; Serial No. 614,842, published Oct. 28, 1952. Class 4.
- Hoffman Lion Mills Company, Inc., Fall River, Mass. Shoe laces. 570,249, Feb. 10; Serial No. 618,234, published Nov. 4, 1952. Class 40.
- Hoffman, Martin Co., Livonia, Mich. Building fronts. 570,153, Feb. 10; Serial No. 606,774, published Oct. 14, 1952. Class 12.
- Hogan, Veta D., Seattle, Wash. Compartmented insert for women's handbags. 570,460, Feb. 10; Serial No. 603,926. Class 3.
- Holton Company, Inc., The, Chicago, Ill. Baking composition. 570,357, Feb. 10; Serial No. 626,885, published Nov. 11, 1952. Class 46.
- Hospital Equipment Corporation, New York, N. Y. Safety and straight pins. 570,269, Feb. 10; Serial No. 619,834, published Nov. 4, 1952. Class 40.
- House of Worsted-Tex, Inc.: See—
Cohen, Goldman & Co. Inc.
- Houston-Fearless Corporation, assignee: See—
Monogram Manufacturing Co.
- Howell, Glenn M., doing business as Save Oil Company, Atlanta, Ga. Gasoline. 570,486, Feb. 10; Serial No. 629,019. Class 15.
- Hyde Park Breweries Association: See—
Griesedieck Western Brewery Company.
- Ideal Toy Corporation, Hilla, N. Y. Dolls. 570,248, Feb. 10; Serial No. 618,187, published Nov. 25, 1952. Class 22.
- Imperial Shirt Corp.: See—
Roggen Bros. & Co.
- Industrial Oil Products Corporation of Philadelphia, Philadelphia, Pa. Processed oils for use with paints and varnishes. 570,160, Feb. 10; Serial No. 608,606, published Nov. 4, 1952. Class 16.
- Industrial Plastic Fabricators, Inc.: See—
Luceflex Plastic Fabricating Inc.
- Insurograph, Inc., assignee: See—
Goal Insurance Machines, Incorporated.
- Inventa A. O., Lucerne, Switzerland. Thread and yarn. 570,396, Feb. 10; Serial No. 629,107, published Nov. 11, 1952. Class 43.
- Inventa A. G., Lucerne, Switzerland. Thread and yarn. 570,397, Feb. 10; Serial No. 629,169, published Nov. 11, 1952. Class 43.
- Irwin-Willert Company, assignor to Irwin-Willert Company, East St. Louis, Ill. Container for and volatile mothproofing chemical. 570,066, Feb. 10; Serial No. 544,871, published Oct. 14, 1952. Class 6.
- Jacobs, Joseph, & Son, Rockville Centre, N. Y. Box. 570,447, Feb. 10; Serial No. 537,195. Class 2.
- Jefferson Pharmacal Company, Detroit, Mich. Analgesic balm. 570,173, Feb. 10; Serial No. 610,445, published Nov. 4, 1952. Class 18.
- Johnson, Arne B., doing business under the style name of Johnson Radio & Machine Co., Madison, Wis. Electrical bottle warmers. 570,312, Feb. 10; Serial No. 624,272, published Oct. 28, 1952. Class 21.
- Johnson Radio & Machine Co.: See—
Johnson, Arne B.
- Johnston Water-System Co., Mansfield, Ohio. Centrifugal pumps, self-priming centrifugal pumps, etc. 570,301, Feb. 10; Serial No. 623,602, published Oct. 21, 1952. Class 23.
- Julliard Fancy Foods Co., San Francisco, Calif. Aperitif wine. 570,334, Feb. 10; Serial No. 625,477, published Oct. 28, 1952. Class 47.

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Kanco Company, The, Kankakee, Ill. Hair waving lotion. 570,453, Feb. 10; Serial No. 590,601. Class 51.

Kendall Farms: See—
Half Moon Fruit & Produce Co.

Keystone Broadcasting System, Inc., Chicago, Ill. Selling advertising time on radio broadcasting stations. 570,441, Feb. 10; Serial No. 600,288, published Oct. 21, 1952. Class 101.

Keystone Scent-Conditioner Corp., Philadelphia, Pa. Electrically operated deodorizer. 570,211, Feb. 10; Serial No. 615,184, published Oct. 28, 1952. Class 21.

King Research Laboratories, Beverly Hills, Calif. Electrical apparatus used in controlling enureals. 570,251, Feb. 10; Serial No. 618,355, published Nov. 4, 1952. Class 44.

Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains. 570,177, Feb. 10; Serial No. 611,059, published Nov. 11, 1952. Class 42.

Knapp-Monarch Company, St. Louis, Mo. Electric toasters, electric waffle irons, electric portable glow heaters, etc. 570,104, Feb. 10; Serial No. 589,937, published Nov. 11, 1952. Class 21.

Kolight, B. B. & Co., Corporation, to Fruit of the Loom, Inc., Providence, R. I. Cloth in the piece. 502,642, renewed Apr. 25, 1953. O. G. Feb. 10. Class 42.

Knowles, James H., Centralia, Wash. Frozen and fresh dressed poultry. 570,086, Feb. 10; Serial No. 572,810, published Nov. 11, 1952. Class 46.

Koppers Company, Inc., Pittsburgh, Pa. Making engineering surveys. 570,443, Feb. 10; Serial No. 623,714, published Nov. 18, 1952. Class 100.

Kratt, Wm., Co., Union, N. J. Harmonicas. 570,358, Feb. 10; Serial No. 626,944, published Nov. 25, 1952. Class 36.

Kratt, Wm., Co., Union, N. J. Harmonicas. 570,359, Feb. 10; Serial No. 626,947, published Nov. 25, 1952. Class 36.

Krause, Chas. A., Milling Co., Milwaukee, Wis. Flaked corn product used in the manufacture of alcoholic malt beverages. 570,196, Feb. 10; Serial No. 613,297, published Oct. 28, 1952. Class 48.

Kress, S. H., and Company, New York, N. Y. Snap fasteners. 570,338, Feb. 10; Serial No. 625,677, published Nov. 4, 1952. Class 40.

Lake Central Airlines, Inc., Indianapolis, Ind. Transportation of persons, property, and mail. 570,442, Feb. 10; Serial No. 611,904, published Nov. 18, 1952. Class 105.

La Motoconfort, Pantin, Seine, France. Motorcycles. 570,168, Feb. 10; Serial No. 609,804, published Oct. 28, 1952. Class 19.

Langenfeld Ice Cream Company, Mitchell, S. Dak. Ice cream, sherberts, and ices. 570,285, Feb. 10; Serial No. 621,673, published Nov. 18, 1952. Class 46.

Laros Textiles Company, Bethlehem, Pa. Plasma volume expander. 570,295, Feb. 10; Serial No. 622,601, published Nov. 18, 1952. Class 18.

Lawrence, A. C., Leather Company, Peabody, Mass. Leather. 301,791, renewed Mar. 14, 1953. O. G. Feb. 10. Class 1.

Lazoff, Louis A., assignor to Videola Corporation, New York, N. Y. Television receiving sets. 570,098, Feb. 10; Serial No. 585,651, published Nov. 4, 1952. Class 21.

Leather Waterproofing and Preservative, Inc., New York, N. Y. Composition for waterproofing and preserving leather. 570,318, Feb. 10; Serial No. 624,690, published Nov. 11, 1952. Class 6.

Le Blanc, G., Company, assignee: See—
Leblanc, Leon.

Leeming, Thos., & Co., Inc., New York, N. Y. Anti-acid preparation. 570,167, Feb. 10; Serial No. 609,728, published Nov. 18, 1952. Class 18.

Leblanc, Leon, Paris, France, assignor to G. Le Blanc Company, Kenosha, Wis. Wind instruments. 570,078-9, Feb. 10; Serial Nos. 566,843-4, published Nov. 25, 1952. Class 36.

Lempco Products, Inc., Bedford, Ohio. Dollies. 570,213, Feb. 10; Serial No. 615,233, published Sept. 30, 1952. Class 19.

Lorch Industries, Inc., Columbus, Ohio. Living room furniture. 570,475, Feb. 10; Serial No. 621,214. Class 32.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. 423,843, Sept. 10, 1946. Republished Feb. 10. Class 51.

Lewis, Clifton D., doing business under the name The Button King, Hawthorne, N. J. Garment buttons. 570,331, Feb. 10; Serial No. 625,357, published Nov. 4, 1952. Class 40.

Lone Star Olds Cadillac Co., Dallas, Tex. Automobiles, trucks, structural parts, and accessories. 570,101, Feb. 10; Serial No. 586,927, published Sept. 30, 1952. Class 19.

Lorillard, P., Company, New York, N. Y. Cigarettes. 570,490, Feb. 10; Serial No. 632,622. Class 17.

Lucobex Plastic Fabricating Inc., Medway, Mass., now by change of name Industrial Plastic Fabricators, Inc., assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de St.-Gobain, Chauny and Cirey, Paris, France. Paints. 570,252, Feb. 10; Serial No. 618,397, published Nov. 4, 1952. Class 18.

Loma-Rim Corporation, assignee: See—
Coombs, Robert S.

Loma-Rim Corporation, Oakland, Calif. Luminous safety device to be applied to motor vehicle doors. 570,192, Feb. 10; Serial No. 612,022, published Oct. 7, 1952. Class 19.

Lyon Metal Products, Incorporated, Aurora, Ill. Parts of display and storage racks, accessories for folding chairs, etc. 570,062, Feb. 10; Serial No. 537,207, published Nov. 18, 1952. Class 13.

Lyon Metal Products, Incorporated, Aurora, Ill. Parts of display and storage racks, accessories for folding chairs, etc. 570,085, Feb. 10; Serial No. 570,972, published Nov. 4, 1952. Class 13.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Ladies' hosiery. 570,373, Feb. 10; Serial No. 627,518, published Nov. 11, 1952. Class 39.

Maestri Co., Inc., The, Springdale, Ark. Spaghettil and sauce. 570,290, Feb. 10; Serial No. 623,550, published Nov. 18, 1952. Class 46.

Magnatex Limited, Harlington, England. Motor vehicle accessories. 570,134, Feb. 10; Serial No. 600,496, published Sept. 30, 1952. Class 19.

Mallinckrodt Chemical Works, St. Louis, Mo. Photographic developer. 570,400, Feb. 10; Serial No. 629,442, published Nov. 11, 1952. Class 6.

Mallinckrodt Chemical Works, St. Louis, Mo. Low contrast photographic developer. 570,401, Feb. 10; Serial No. 629,443, published Nov. 11, 1952. Class 6.

Manton & Smith Company, Chicago, Ill. Bicycles. 570,224, Feb. 10; Serial No. 616,639, published Oct. 14, 1952. Class 19.

Marine Chemicals Company, Ltd., South San Francisco and San Francisco, Calif., to Merck & Co., Inc., Rahway, N. J., and South San Francisco, Calif. Pharmaceutical preparation. 298,737, renewed Nov. 1, 1952. O. G. Feb. 10. Class 18.

Martia Band Instrument Company, The, Elkhart, Ind. Saxophones, horns, cornets, etc. 570,067, Feb. 10; Serial No. 546,115, published Nov. 18, 1952. Class 36.

Maryland Fine & Specialty Wire Company, Inc., Cockeysville, Md. Enameled covered wire. 570,461, Feb. 10; Serial No. 605,599. Class 7.

Master Metal Products, Inc., Buffalo, N. Y. Utility chests. 298,571, renewed Nov. 1, 1952. O. G. Feb. 10. Class 2.

Matheson Chemical Corporation, assignee: See—
Squibb, E. R., & Sons.

Mayer, Vale, & Co., Edinburg, Tex. Fresh citrus fruit and vegetables. 570,182, Feb. 10; Serial No. 608,872, published Nov. 11, 1952. Class 46.

McCall Corporation, New York, N. Y. Magazine. 570,145, Feb. 10; Serial No. 603,485, published Nov. 18, 1952. Class 38.

McCormick Brothers Company, Albany, Ind. Flour sifters. 570,146, Feb. 10; Serial No. 603,890, published Oct. 21, 1952. Class 23.

McDonald, A. Y., Manufacturing Co., Dubuque, Iowa. Electrical apparatus. 570,163, Feb. 10; Serial No. 608,876, published Nov. 18, 1952. Class 21.

McDonald, A. Y., Manufacturing Co., Dubuque, Iowa. Pressure operated electrical switches, overload electrical circuit breakers, and magnetic starters. 570,281, Feb. 10; Serial No. 621,276, published Nov. 11, 1952. Class 21.

McGraw Electric Company, The, Elgin, Ill., doing business as Russmann Manufacturing Company, St. Louis, Mo. Electric fuses, fuse holders, fuse wire, etc. 570,088, Feb. 10; Serial No. 574,445, published Oct. 28, 1952. Class 21.

McGreevey, Werrling & Howell, Inc., New York, N. Y. Men's outer shirts. 570,484, Feb. 10; Serial No. 628,993. Class 39.

Mears, Harold A., doing business as Dual Electric Triple Alarm Co., Knoxville, Tenn. Electrical burglar alarm systems and parts thereof. 570,342, Feb. 10; Serial No. 625,858, published Oct. 28, 1952. Class 21.

Medical Specialties, Inc., Rochester, Minn. Compositions in capsule or tablet form for mitigating nausea. 570,156, Feb. 10; Serial No. 607,226, published Nov. 4, 1952. Class 18.

Merck & Co., Inc.: See—
Marine Chemicals Company, Ltd.

Milj. "De Betuwe" N. V., Tiel, Netherlands. Wines. 570,273, Feb. 10; Serial No. 620,926, published Oct. 28, 1952. Class 47.

Milberg, Larry, New York, N. Y. Ladies' and children's hosiery. 570,235, Feb. 10; Serial No. 617,588, published Nov. 11, 1952. Class 39.

Miles Reproducer Co., New York, N. Y. Electrical sound recording and reproducing machines and parts thereof. 570,313, Feb. 10; Serial No. 624,284, published Oct. 28, 1952. Class 21.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Medicinal preparation. 570,246, Feb. 10; Serial No. 618,084, published Nov. 4, 1952. Class 18.

Miller, Roe, Dental Laboratory: See—
Miller, Roland M.

Miller, Roland M., doing business as Roe Miller Dental Laboratory, Cleveland, Ohio. Dentures, dental plates, and bridges. 570,343, Feb. 10; Serial No. 625,990, published Oct. 14, 1952. Class 44.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Putty-like electrical insulating compound. 570,324, Feb. 10; Serial No. 625,020, published Oct. 28, 1952. Class 21.

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Miron Mills, Inc., Clinton, Mass. Wool fabrics in the piece. 570,292, Feb. 10; Serial No. 622,399, published Nov. 11, 1952. Class 42.

Model Patent Manufacturing Company, The, Denver, Colo. Dispensing closure. 570,094, Feb. 10; Serial No. 584,465, published Nov. 4, 1952. Class 13.

Molson's Brewery Limited, Montreal, Quebec, Canada. Ale and porter. 570,348, Feb. 10; Serial No. 626,399, published Oct. 28, 1952. Class 48.

Molson's Brewery Limited, Montreal, Quebec, Canada. Ale and porter. 570,349, Feb. 10; Serial No. 626,401, published Oct. 28, 1952. Class 48.

Monogram Manufacturing Co., Los Angeles, and West Los Angeles, assignor to Houston-Fearless Corporation, Los Angeles, Calif. Device for maintaining a seal between a rotatable member and its bearing. 570,087, Feb. 10; Serial No. 574,154, published Oct. 28, 1952. Class 23.

Montenier, Jules, Inc., Chicago, Ill. Body deodorants. 570,137, Feb. 10; Serial No. 600,966, published Oct. 14, 1952. Class 51.

Mont La Salle Vineyards: See—
De La Salle Institute.

Moore Business Forms, Inc.: See—
American Sales Book Company, Limited.

Mooreville Mills, Inc., Mooreville, N. C. Fabric. 570,381, Feb. 10; Serial No. 627,957, published Nov. 18, 1952. Class 42.

Moto-Mower Company, The, Detroit, Mich. Lawnmowers. 570,142, Feb. 10; Serial No. 602,276, published Jan. 30, 1951. Class 23.

Mummert, Maurice M., doing business as Admatic Projector Company, Evanston, Ill. Electrically lighted and operated picture display advertising cabinets. 570,184, Feb. 10; Serial No. 611,397, published Nov. 18, 1952. Class 21.

Napa & Sonoma Wine Co.: See—
California Cellars.

Nash, C. A., & Son, Inc., Norfolk, Va. Paint, varnish, enamel, oil and spirit stain. 570,361, Feb. 10; Serial No. 627,002, published Nov. 4, 1952. Class 18.

National Marking Machine Company Limited, Park Royal, London, England. Laundry work tables; stationary laundry racks; wheeled laundry racks; etc. 570,170, Feb. 10; Serial No. 610,135, published Nov. 25, 1952. Class 24.

National Sprayer & Duster Association, Chicago, Ill. Informational service. 570,495, Feb. 10; Serial No. 590,176. Class 100.

National Sure-Fit Quilting Co., Inc., New York, N. Y. Quilted mattress pads and protectors. 570,352, Feb. 10; Serial No. 626,634, published Nov. 11, 1952. Class 42.

Nelson, James, Limited, assignee: See—
Raab-Meyerhoff, M. H., Co., Inc.

New England Fish Company, Seattle, Wash. Canned sea foods. 570,391, Feb. 10; Serial No. 628,775, published Nov. 18, 1952. Class 46.

New World Publishing Company, The: See—
Catholic Press Company, Inc., The.

Nixon Nitration Works, Nixon, N. J. Plasticized and unplasticized vinyl type plastic. 570,095, Feb. 10; Serial No. 584,634, published Oct. 28, 1952. Class 1.

North American Textile Co., Inc., Boston, Mass. Quilted linings and quilted interlinings. 570,350, Feb. 10; Serial No. 626,588, published Nov. 18, 1952. Class 42.

No-Way Builders Corp., North Hollywood, Calif. Sliding door hardware. 570,482, Feb. 10; Serial No. 625,997. Class 13.

Oelke, Edward G., West Bend, Wis. Medicament for the treatment of feet. 570,084, Feb. 10; Serial No. 570,430, published Nov. 4, 1952. Class 18.

Oliver Corporation, The, Chicago, Ill. Walking plows, two-way tractor sulky plows, tractor subsoil plows, etc. 570,199, Feb. 10; Serial No. 614,214, published Oct. 28, 1952. Class 23.

Organon Inc., Orange, N. J. Medicinal antacid preparation. 570,419, Feb. 10; Serial No. 632,846, published Nov. 18, 1952. Class 18.

Ossola, J., Co.: See—
Ossola, J., Co., Inc.

Ossola, J., Co., Inc., also known as J. Ossola Co., New York, N. Y. Relish. 570,131, Feb. 10; Serial No. 598,750, published Nov. 11, 1952. Class 46.

Oswego Falls Corporation, Fulton, N. Y. Bottle caps. 299,780, renewed Dec. 20, 1952. O. G. Feb. 10. Class 50.

Oswego Falls Corporation, Fulton, N. Y. Paper cans and covers therefor. 300,170, renewed Jan. 10, 1953. O. G. Feb. 10. Class 2.

Pacific Air Conditioning Co., San Francisco, Calif. Grease trapping and filtering devices. 570,123, Feb. 10; Serial No. 598,003, published Nov. 11, 1952. Class 13.

Pacific Forest Industries, Tacoma, Wash. Plywood. 570,220, Feb. 10; Serial No. 616,118, published Nov. 4, 1952. Class 12.

Pacific Tile and Porcelain Company, Los Angeles, Calif. Floor tile. 570,474, Feb. 10; Serial No. 620,226. Class 12.

Pacific Tire & Rubber Company, Oakland, Calif. Vehicle rubber tires and tubes and camelback material. 570,279, Feb. 10; Serial No. 621,164, published Nov. 18, 1952. Class 35.

Page Perfumer: See—
Talcum Puff Co., Inc.

Paine & Williams Company, The, Cleveland, Ohio. Automobile floor mats. 570,063, Feb. 10; Serial No. 537,230, published Sept. 30, 1952. Class 19.

Papalexis, James (Dimitri), Ashtabula, Ohio. Sauce for spaghetti, steaks, etc. 570,124, Feb. 10; Serial No. 590,114, published Nov. 11, 1952. Class 46.

Paper Art Company, Inc., Indianapolis, Ind. Paper napkins. 570,459, Feb. 10; Serial No. 600,908. Class 37.

Parfums Ciro, Inc., New York, N. Y. Perfume. 570,367, Feb. 10; Serial No. 627,274, published Oct. 14, 1952. Class 51.

Patch, E. L., Company, The, Stoneham, Mass. Tablets for group and bronchial conditions, ointments, etc. 300,856, renewed Feb. 14, 1953. O. G. Feb. 10. Class 18.

Patent Button Company, The, Waterbury, Conn. Snap fasteners, and for buckles. 570,319, Feb. 10; Serial No. 624,756, published Nov. 4, 1952. Class 40.

Patterson, Stephen H., Jr., doing business as The Amperand Press, Princeton, N. J. Books, pamphlets, brochures, etc. 570,120, Feb. 10; Serial No. 594,232, published Nov. 18, 1952. Class 38.

Patti Bros. Accordion Manufacturing Co., Milwaukee, Wis. Accordions. 570,254, Feb. 10; Serial No. 618,508, published Nov. 25, 1952. Class 36.

Pelsson, Arthur L., Inc., New York, N. Y. Canned corned beef. 570,141, Feb. 10; Serial No. 602,162, published Nov. 11, 1952. Class 46.

Perma-Face Company of America, Pittsburgh, Pa. Paint. 570,250, Feb. 10; Serial No. 618,303, published Nov. 4, 1952. Class 18.

Permodux Corporation, Chicago, Ill. Permanent magnet dynamic loud speakers, baffles, and housings therefor and parts thereof. 570,327, Feb. 10; Serial No. 625,122, published Oct. 28, 1952. Class 21.

Permutit Company, The, New York, N. Y. Base exchange silicates. 299,632, renewed Dec. 13, 1952. O. G. Feb. 10. Class 6.

Petrow Chemical Co.: See—
Petrow, Fletcher K., Jr.

Petrow, Fletcher K., Jr., trading as Petrow Chemical Co., Hurt, Va. Varnish floor sealers. 570,127, Feb. 10; Serial No. 597,777, published Nov. 11, 1952. Class 18.

Perry Knitting Company, The, Perry, N. Y. Infants' and children's one and two piece, cotton knit sleeping garments. 570,267, Feb. 10; Serial No. 619,767, published Nov. 11, 1952. Class 39.

Peters Serum Company, Kansas City, Mo. Penicillin ointment. 570,156, Feb. 10; Serial No. 607,188, published Nov. 4, 1952. Class 18.

Phillips Manufacturing Company, Chicago, Ill. Solvents. 440,402, Aug. 31, 1948. Republished Feb. 10. Class 52.

Plasecki Helicopter Corporation, Morton, Pa. Aircraft. 570,182, Feb. 10; Serial No. 611,305, published Oct. 28, 1952. Class 19.

Plasterette Corporation, Hamden, Conn. Articles of cementitious material. 570,493, Feb. 10; Serial No. 636,537. Class 12.

Plasitite Screen Corporation, Los Angeles, Calif. Plastic screens. 570,191, Feb. 10; Serial No. 611,852, published Nov. 4, 1952. Class 12.

Pogm Co., The, Malden, Mass. Berry preserves, jams, jellies, etc. 570,284, Feb. 10; Serial No. 621,578, published Nov. 18, 1952. Class 46.

Portage Hosiery Company, Portage, Wis. Athletic socks, hosiery, and mittens. 570,274, Feb. 10; Serial No. 620,899, published Nov. 11, 1952. Class 39.

Porter-Cable Machine Company, The, Syracuse, N. Y. Portable hand, manipulable electric power operated tools. 570,114, Feb. 10; Serial No. 592,518, published June 24, 1952. Class 21.

Porter Company, The, Bakersfield, Calif. Toy surveying instruments. 570,472, Feb. 10; Serial No. 619,770. Class 22.

Powers Regulator Company, The, Skokie, Ill. Control valves. 570,455, Feb. 10; Serial No. 592,840. Class 13.

Price Vacuum Stores, Inc., Philadelphia, Pa. Electric sewing machines and parts thereof. 570,344, Feb. 10; Serial No. 626,002, published Oct. 21, 1952. Class 23.

Protective Papers, Inc., Union, Ill. Aluminum foil for use as insulation and/or vapor barrier. 570,448, Feb. 10; Serial No. 637,357. Class 12.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa., and New York, N. Y., assignor to James Nelson Limited, Nelson, England. Suits and shirts. 570,132, Feb. 10; Serial No. 599,842, published Nov. 18, 1952. Class 42.

Radiant Pen Corp., New York, N. Y. Pen points. 570,102, Feb. 10; Serial No. 588,769, published Nov. 4, 1952. Class 37.

Raleigh Paint & Varnish Co.: See—
Weiser & Tetzel.

Ralston Purina Company, St. Louis, Mo. Baby-chicks. 570,070, Feb. 10; Serial No. 552,704, published Nov. 4, 1952. Class 1.

Rastetter, Louis, & Sons, by Louis Rastetter & Sons Company, Fort Wayne, Ind. Folding chairs. 210,070, Mar. 9, 1926. Republished Feb. 10. Class 32.

Rastetter, Louis, & Sons Company: See—
Rastetter, Louis, & Sons.

Raven Company, The, New York, N. Y. Textile fabrics, bed sheets, and sheeting, table cloths and napkins, etc. 570,162, Feb. 10; Serial No. 606,724, published Nov. 18, 1952. Class 42.

- Rayco Manufacturing Co., Paterson, N. J. Automobile seat covers. 570,189, Feb. 10; Serial No. 611,451, published Sept. 30, 1952. Class 19.
- Redi-Spuds Incorporated, Bell, Calif. Cut, processed, and ready peeled potatoes. 570,458, Feb. 10; Serial No. 599,899. Class 46.
- Reed, H. B., & Company, Hammond, Ind. Abrasives. 570,133, Feb. 10; Serial No. 600,239, published Nov. 18, 1952. Class 4.
- Refractory Sales Company, Detroit, Mich. Refractory material. 570,259, Feb. 10; Serial No. 618,985, published Nov. 18, 1952. Class 12.
- Republic Gear Company, Detroit, Mich. Universal joints. 570,387, Feb. 10; Serial No. 628,428, published Oct. 28, 1952. Class 23.
- Republic Steel Corporation, assignee: See—Truscon Steel Company.
- Reyner & Brothers, Incorporated, Pittsburgh, Pa. Non-alcoholic, maltless soft drinks and syrups. 570,091, Feb. 10; Serial No. 580,322, published Nov. 4, 1952. Class 45.
- Roberts Dairy Company, Omaha, Nebr. Skimmed milk. 570,362, Feb. 10; Serial No. 627,086, published Oct. 28, 1952. Class 46.
- Robertshaw-Fulton Controls Company, Greensburg, Pa. Electric igniters for fuel burners, electric switches, etc. 570,384, Feb. 10; Serial No. 628,009, published Nov. 4, 1952. Class 21.
- Robins, A. H., Company, Inc., Richmond, Va. Muscle relaxant preparation. 570,423, Feb. 10; Serial No. 634,118, published Nov. 4, 1952. Class 18.
- Roehr Products Co., Waterbury, Conn. Automatic medical injection apparatus. 570,232, Feb. 10; Serial No. 617,263, published Nov. 4, 1952. Class 44.
- Roggen Bros. & Co., to Imperial Shirt Corp., New York, N. Y. Dress, negligee and plaided shirts. 91,127, re-renewed Apr. 15, 1953. O. G. Feb. 10. Class 39.
- Rose, Billy, New York, N. Y. Entertainment services. 570,438, Feb. 10; Serial No. 532,636, published Nov. 18, 1952. Class 107.
- Roycemore Toilettries, Inc., Chicago, Ill. Hygienic deodorant. 570,368, Feb. 10; Serial No. 627,276, published Nov. 4, 1952. Class 18.
- Rubel Baking Company, The, Cincinnati, Ohio. Rye bread. 302,620, renewed Apr. 25, 1953. O. G. Feb. 10. Class 46.
- Rustvold Products, Inc., Long Island City, to Rustvold Products, Inc., New York, N. Y. Liquid preparation containing a mixture of oils, chemicals, and metal salts, to be applied to metal surfaces to prevent rust and corrosion. 302,453, renewed Apr. 18, 1953. O. G. Feb. 10. Class 16.
- S. P. F. Wood-Preserving Co., Inc., Cambridge, Mass. Insecticide. 570,106, Feb. 10; Serial No. 591,440, published Nov. 27, 1951. Class 6.
- Sales Advertiser, Inc., New York, N. Y. Waving lotion and a neutralizer. 570,219, Feb. 10; Serial No. 616,052, published Oct. 14, 1952. Class 51.
- Salisbury's, Dr., Laboratories, Charles City, Iowa. Preparation for the treatment of poultry diseases. 570,424, Feb. 10; Serial No. 634,120, published Nov. 18, 1952. Class 18.
- Salisbury's, Dr., Laboratories, Charles City, Iowa. Preparation for the treatment of swine. 570,435, Feb. 10; Serial No. 635,150, published Nov. 25, 1952. Class 18.
- Samar Cosmetic Co.: See—Samar, George E.
- Samar, George E., doing business as Samar Cosmetic Co., Syracuse, N. Y. Cologne, perfume, face powder, etc. 570,207, Feb. 10; Serial No. 615,136, published Oct. 14, 1952. Class 51.
- Samar, George E., doing business as Samar Cosmetic Co., Syracuse, N. Y. Cologne, perfume, face powder, etc. 570,221, Feb. 10; Serial No. 616,132, published Oct. 14, 1952. Class 51.
- San Francisco Drug Co., Incorporated, San Francisco, Calif. Sedative tablets. 570,462, Feb. 10; Serial No. 608,128. Class 18.
- Sanka Coffee Corporation, New York, N. Y. Coffees. 299,962, Jan. 3, 1953. Amended. O. G. Feb. 10. Class 46.
- Saulbert, Inc., New York, N. Y. Portable shoe polishing unit. 570,286, Feb. 10; Serial No. 621,731, published Nov. 18, 1952. Class 29.
- Save Oil Company: See—Howell, Glenn M.
- Schenley Industries, Inc.: See—Cella Brothers, Inc.
- Schering Corporation, New York, N. Y. Pharmaceutical product. 570,427-8, Feb. 10; Serial Nos. 634,660-1, published Nov. 25, 1952. Class 18.
- Schering Corporation, New York, N. Y. to Schering Corporation, Bloomfield, N. J. Medicinal preparation. 300,854, renewed Feb. 14, 1953. O. G. Feb. 10. Class 18.
- Schering Corporation, Bloomfield, N. J. Diagnostic agent. 570,436, Feb. 10; Serial No. 635,238, published Nov. 25, 1952. Class 18.
- Schering Corporation, Bloomfield, N. J. Cholecystographic drug. 570,437, Feb. 10; Serial No. 636,239, published Nov. 25, 1952. Class 18.
- Schneiders, I., & Sons, Inc., New York, N. Y. Ladies' and children's slippers. 570,489, Feb. 10; Serial No. 631,378. Class 39.
- Sebol & Hillebrand: See—Breuer, George.
- Sebramm Inc., West Chester, Pa. Engine driven electrical welders and engine driven electrical generators. 570,314, Feb. 10; Serial No. 624,305, published Oct. 28, 1952. Class 21.
- Scott, O. M., & Sons Company, Marysville, Ohio. Mechanical wheeled spreaders. 570,337, Feb. 10; Serial No. 625,636, published Oct. 21, 1952. Class 23.
- Sears, Roebuck and Co., Chicago, Ill. Corsets, girdles, brassieres, etc. 570,392, Feb. 10; Serial No. 628,781, published Nov. 11, 1952. Class 39.
- Seibel, D., and Company Limited, Erith, Kent, England. Perambulators and push-chairs. 570,264, Feb. 10; Serial No. 619,476, published Oct. 14, 1952. Class 19.
- Seidelschuber Iron and Bronze Works, Incorporated, Seattle, Wash. Electrically heated water tanks. 570,321, Feb. 10; Serial No. 624,799, published Oct. 28, 1952. Class 21.
- Seinshelmer, H. A., Company, The, Cincinnati, Ohio. Students' clothing. 296,472, renewed Aug. 9, 1952. O. G. Feb. 10. Class 39.
- Service Industries, Philadelphia, Pa. Bituminous resin emulsion thermal plastic coating. 570,377, Feb. 10; Serial No. 627,788, published Nov. 4, 1952. Class 18.
- Shasta Pump Company, Oakland, Calif., assignor to Barnes-Shasta Pump Co. Pressure regulating valves. 570,064, Feb. 10; Serial No. 538,459, published Nov. 4, 1952. Class 13.
- Shell Chemical Corporation, New York, N. Y. Synthetic resins. 570,404, Feb. 10; Serial No. 629,822, published Nov. 18, 1952. Class 6.
- Shifman Bros., Newark, N. J. Mattresses. 570,479, Feb. 10; Serial No. 621,636. Class 32.
- Shlmer, Samuel J., & Sons, Inc., Milton, Pa. Cutter heads and milling cutter knives. 570,103, Feb. 10; Serial No. 589,117, published Oct. 28, 1952. Class 23.
- Siboney Distilling Corporation, Philadelphia, Pa., by Schenley Industries, Inc., New York, N. Y. Distilled gin. 347,755, July 6, 1937. Republished Feb. 10. Class 49.
- Sigma Delta Tau Society, Winnetka, Ill. General fraternal service. 570,440, Feb. 10; Serial No. 553,221, published Nov. 18, 1952. Class 100.
- Simmons, Charles L., Kansas City, Kans. Artificial fish bait. 570,092, Feb. 10; Serial No. 580,797, published Nov. 25, 1952. Class 22.
- Simpson Bros., Inc., Washington, D. C. Dairy products. 300,487, renewed Jan. 24, 1953. O. G. Feb. 10. Class 46.
- Sindar Corporation, New York, N. Y. Substance having the chemical formula, 2,2'-dihydroxy-5,5'-dichloro diphenyl methane. 570,280, Feb. 10; Serial No. 621,172, published Nov. 18, 1952. Class 6.
- Skenados Rayon Corporation, New York, N. Y. Anhydrous sodium sulphate. 570,306, Feb. 10; Serial No. 624,107, published Nov. 11, 1952. Class 6.
- Skill-Weave Co., Los Angeles, Calif. Reweaving supply and equipment kits. 570,203, Feb. 10; Serial No. 614,793, published Nov. 4, 1952. Class 40.
- Skylor Corporation, New York, N. Y. Ladies' and misses' nightgowns and pajamas. 570,491, Feb. 10; Serial No. 632,630. Class 39.
- Smith, J. Wright, Austin, Tex. Children's auxiliary seat with steering gear and controls. 570,273, Feb. 10; Serial No. 620,114, published Oct. 21, 1952. Class 19.
- "Smith Paint Products": See—Williamson, Kent.
- Smith, Ward W., doing business under the name of Gourmet, Beverly Hills, Calif. Canned fruits, canned vegetables, fruit preserves, etc. 570,150, Feb. 10; Serial No. 605,974, published Nov. 11, 1952. Class 46.
- Societe Anonyme des Manufactures des Glaces et Produits Chimiques de St-Gobain, Chauxy and Crey, assignee: See—Luciflex Plastic Fabricating Inc.
- Societe Anonyme des Usines Remy, Wilmmael, Belgium. Starch. 86,947, re-renewed June 11, 1952. O. G. Feb. 10. Class 6.
- Societe de Faconnage et de Commerce, Paris, France. Musical instruments. 570,157, Feb. 10; Serial No. 607,455, published Nov. 25, 1952. Class 36.
- Solsound Industries, Inc., doing business as Electronic Engineering Co., Akron, Ohio. Units for local, voice-communicating, electronically operated, inter-communication systems. 570,174, Feb. 10; Serial No. 610,591, published Oct. 28, 1952. Class 21.
- Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 570,225, Feb. 10; Serial No. 616,991, published Nov. 4, 1952. Class 37.
- Southern Chemical Cotton Company, Chattanooga, Tenn. Chemical cotton. 297,271, renewed Sept. 6, 1952. O. G. Feb. 10. Class 1.
- Southern Spring Bed Company, Atlanta, Ga. Couches. 570,476, Feb. 10; Serial No. 621,230. Class 32.
- Southland Coffee Company, Atlanta, Ga. Coffee. 570,061, Feb. 10; Serial No. 537,170, published Nov. 11, 1952. Class 46.
- Spiegel, Inc., Chicago, Ill. Motorcycles. 570,228, Feb. 10; Serial No. 617,097, published Sept. 30, 1952. Class 19.

- Sponge Rubber Products Company, The, Shelton, Conn. Weatherstripping and drabak strips. 570,375, Feb. 10; Serial No. 627,646, published Nov. 18, 1952. Class 12.
- Spool Cotton Company, The, Newark, N. J., and New York, N. Y. to The Clark Thread Company, Inc., Clarkdale, Ga. Thread. 89,961, re-renewed Jan. 21, 1953. O. G. Feb. 10. Class 43.
- Sprayed Insulation, Inc., Newark, N. J. Asbestos insulation materials. 570,205, Feb. 10; Serial No. 614,998, published Oct. 14, 1952. Class 12.
- Squibb, E. R., & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va. Luteotropic hormone preparation. 570,113, Feb. 10; Serial No. 592,287, published Nov. 25, 1952. Class 18.
- Squibb, E. R., & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va. Antibiotic preparation. 570,425, Feb. 10; Serial No. 634,351, published Nov. 18, 1952. Class 18.
- Squibb, E. R., & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va. Antibiotic preparations. 570,430, Feb. 10; Serial No. 634,869, published Nov. 18, 1952. Class 18.
- Stabilimenti Demaniali Recoaro Società per Azioni, Milan, Italy. Nonsccoholic maltless soft drinks and carbonated waters. 570,278, Feb. 10; Serial No. 620,978, published Nov. 4, 1952. Class 45.
- Stacklin Corporation, Pawtucket, R. I. Metal containers. 570,065, Feb. 10; Serial No. 541,214, published July 15, 1952. Class 2.
- Standard Brands Incorporated, New York, N. Y. Amylolytic or starch-liquefying preparation. 302,486, renewed Apr. 18, 1953. O. G. Feb. 10. Class 6.
- Standard Electric Time Company, The, Springfield, Mass. Electric switchboard panels and motor-generator sets. 570,282, Feb. 10; Serial No. 621,339, published Oct. 28, 1952. Class 21.
- Standard Ultramarine & Color Co.: See—Standard Ultramarine Company, The.
- Standard Ultramarine Company, The, Huntington, W. Va., now by change of name, Standard Ultramarine & Color Co. Pigments for use in the manufacture of protective coatings. 570,244, Feb. 10; Serial No. 617,773, published Nov. 11, 1952. Class 16.
- Stanley, Wm. H., Inc., New York, N. Y., by Dehn & Co., Inc., Seattle, Wash. Canned fish. 314,022, June 19, 1934. Republished Feb. 10. Class 46.
- Starline, Inc., Harvard, Ill. Bull stiffs, floor scrapers, litter carriers, etc. 325,725, July 2, 1935. Republished Feb. 10. Class 23.
- State Publishing Company, Inc., Charleston, W. Va. Monthly publication. 570,488, Feb. 10; Serial No. 630,456. Class 38.
- States Development and Manufacturing Co., Chicago, Ill. Automatic light signaling device for use on automotive vehicles. 570,297, Feb. 10; Serial No. 623,086, published Oct. 21, 1952. Class 19.
- Steelcote Manufacturing Company, St. Louis, Mo. Paint enamels. 570,234, Feb. 10; Serial No. 617,560, published Nov. 11, 1952. Class 16.
- Stein, A., & Company, Chicago, Ill. Buckles. 570,140, Feb. 10; Serial No. 602,114, published Nov. 4, 1952. Class 40.
- Stern, Edward, Inc., New York, N. Y. Men's, women's, and children's hosiery, stockings, and socks. 570,309, Feb. 10; Serial No. 624,245, published Nov. 11, 1952. Class 39.
- Stork Company, The: See—Sweetser, Arthur L.
- Streull, G., & Co., Uznach, Switzerland. Polyvalent vaccine. 570,429, Feb. 10; Serial No. 634,811, published Nov. 18, 1952. Class 18.
- Suchard Holding Societe Anonyme, Lausanne, Switzerland. Prepared edible chocolate. 570,271, Feb. 10; Serial No. 620,053, published Nov. 18, 1952. Class 46.
- Sumner Hosiery Mill, Gastonia, N. C. Ladies' hosiery. 570,214, Feb. 10; Serial No. 615,255, published Nov. 18, 1952. Class 39.
- Sun Rubber Company, The, Barberton, Ohio. Dolls. 570,362-3, Feb. 10; Serial Nos. 627,981-2, published Nov. 25, 1952. Class 22.
- Superior Paint and Varnish Corporation, Chicago, Ill. Paint, varnish and enamel. 570,369, Feb. 10; Serial No. 627,284, published Nov. 4, 1952. Class 16.
- Sweetser, Arthur L., Boston, to the Stork Company, Weymouth, Mass. Antibiotic waterproof sheeting, diapers, and waterproof undergarments. 30,227, re-renewed Nov. 11, 1952. O. G. Feb. 10. Class 42.
- Syndicat Francaise des Textiles Artificiels, Paris, France. Tuxedos, underwear and evening dress suits, etc. 570,148, Feb. 10; Serial No. 605,065, published Nov. 11, 1952. Class 39.
- Syndicat Francaise des Textiles Artificiels, Paris, France. Tuxedos, underwear and evening dress suits, etc. 570,149, Feb. 10; Serial No. 605,066, published Nov. 11, 1952. Class 39.
- Takamine Laboratory, Inc., Clifton, N. J. Enzyme preparation. 570,276, Feb. 10; Serial No. 620,937, published Nov. 18, 1952. Class 6.
- Takamine Laboratory, Inc., Clifton, N. J. Enzyme preparation. 570,277, Feb. 10; Serial No. 620,939, published Nov. 18, 1952. Class 6.
- Talcum Puff Co. Inc., doing business as Page Perfumer, to Bo-Kay Perfume Company, Inc., New York, N. Y. Face creams, face and hand lotions, face powder, etc. 302,446, renewed Apr. 18, 1953. O. G. Feb. 10. Class 51.
- Teddon, Thornley and Company, Rochdale, England. Fabric gloves. 570,305, Feb. 10; Serial No. 624,061, published Nov. 11, 1952. Class 39.
- Tegarden, Paul E., Indianapolis, Ind. Silent, electrical, vehicular passing signal. 570,330, Feb. 10; Serial No. 625,305, published Oct. 28, 1952. Class 21.
- Terrytoons, Inc., New Rochelle, N. Y. Comic strips. 570,258, Feb. 10; Serial No. 618,946, published Nov. 18, 1952. Class 38.
- Thibedaux, Edward, Houston, Tex. Pile salve. 570,415, Feb. 10; Serial No. 632,457, published Nov. 18, 1952. Class 18.
- Tranin Egg Products Co., to Tranin Egg Products Company, Kansas City, Mo. Broken eggs. 299,945, renewed Jan. 3, 1953. O. G. Feb. 10. Class 46.
- Tranin Egg Products Company: See—Tranin Egg Products Co.
- Truscon Steel Company, Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Expanded metal lath. 570,118, Feb. 10; Serial No. 593,378, published Nov. 18, 1952. Class 12.
- Uddo & Taormina Company, Brooklyn, N. Y. Canned vegetable compound. 570,263, Feb. 10; Serial No. 619,423, published Nov. 11, 1952. Class 46.
- Uhlender, H. A., & Company, doing business under the name Collignon Laboratories, McAllen, Tex. Mineral oil, castor oil, olive oil, etc. 570,452, Feb. 10; Serial No. 567,440. Class 18.
- Union Carbide and Carbon Corporation: See—Carbide and Carbon Chemicals Corporation.
- Union Oil Company of California, Los Angeles, Calif. Cleaning spark plugs, changing and repairing tires and tubes, etc. 570,439, Feb. 10; Serial No. 535,276, published Nov. 27, 1951. Class 103.
- United Chemical Company, Richmond, Calif. Miticide and water dispersible residual miticide. 570,420, Feb. 10; Serial No. 633,093, published Nov. 18, 1952. Class 6.
- United States Gypsum Company, Chicago, Ill. Calcined gypsum plaster. 570,082, Feb. 10; Serial No. 570,071, published Nov. 18, 1952. Class 12.
- United States Hoffman Machinery Corporation, Syracuse and New York, N. Y. Magnetic separators. 570,143, Feb. 10; Serial No. 602,866, published May 27, 1952. Class 21.
- United States Plywood Corporation, New York, N. Y. Plywood. 570,353, Feb. 10; Serial No. 626,648, published Oct. 14, 1952. Class 12.
- United Wallpaper, Inc., Chicago, Ill. Color pigments. 570,408-10, Feb. 10; Serial Nos. 630,460-2, published Nov. 18, 1952. Class 6.
- United Wallpaper, Inc., Chicago, Ill. Decorative insulation in the nature of wall paper. 570,456, Feb. 10; Serial No. 595,040. Class 37.
- Universal Form Clamp Co., Chicago, Ill. Form ties for use in concrete construction work. 570,385, Feb. 10; Serial No. 628,375, published Nov. 25, 1952. Class 12.
- Universal Form Clamp Co., Chicago, Ill. Form ties particularly adapted for use in concrete construction work. 570,386, Feb. 10; Serial No. 628,377, published Nov. 18, 1952. Class 12.
- Urbach, Kathi, New York, N. Y. Ornamental candle holders, sconces and candelabra, etc. 570,469, Feb. 10; Serial No. 617,328. Class 34.
- Vaca Foods, Inc., Chicago, Ill. Sausages, kippered herring, and cheese and crackers. 570,216, Feb. 10; Serial No. 615,867, published Nov. 11, 1952. Class 46.
- Valley Concrete Pipe & Products Company, Inc., Yuba City, Calif. Concrete irrigation-ditch gates and concrete irrigation valves. 570,198, Feb. 10; Serial No. 613,827, published Nov. 11, 1952. Class 13.
- Van De Walle & Sons, San Antonio, Tex. Fresh vegetables. 570,411, Feb. 10; Serial No. 631,029, published Nov. 18, 1952. Class 46.
- Van Urk, J. Blan, New York, N. Y. Printed advertising material. 570,077, Feb. 10; Serial No. 563,034, published Nov. 18, 1952. Class 38.
- Velsicol Corporation, Chicago, Ill. Synthetic wax. 570,186, Feb. 10; Serial No. 611,387, published Nov. 11, 1952. Class 6.
- Vickers-Armstrongs Limited, London and Westminster, London, England. Aeroplanes and structural parts thereof. 570,247, Feb. 10; Serial No. 618,106, published Sept. 30, 1952. Class 19.
- Videola Corporation, assignee: See—Lazoff, Louis A.
- Vineland Laboratories, Inc., Landis Township, Cumberland County, N. J. Rodenticides. 570,347, Feb. 10; Serial No. 626,354, published Nov. 18, 1952. Class 6.
- Vintage Wines, Inc., New York, N. Y. Wines. 570,380, Feb. 10; Serial No. 627,851, published Nov. 4, 1952. Class 47.
- Volt, W. J., Rubber Corp., Los Angeles, Calif. Infatable rubber balls. 570,151, Feb. 10; Serial No. 606,347, published Nov. 25, 1952. Class 22.
- Wallerstein Company, Inc., New York, N. Y. Fungal enzyme supplementing preparation for use in baking. 570,360, Feb. 10; Serial No. 626,971, published Oct. 28, 1952. Class 46.

- Waples Platter Company, Fort Worth, Tex. Canned goods. 360,723, Sept. 27, 1938. Restricted. O. G. Feb. 10. Class 46.
- Waples Platter Company, Fort Worth, Tex. Canned goods. 362,524, Nov. 22, 1938. Restricted. O. G. Feb. 10. Class 46.
- Ward Leonard Electric Company, Mount Vernon, N. Y. Magnetic amplifiers. 570,128, Feb. 10; Serial No. 597,799, published Oct. 21, 1952. Class 21.
- Ward Leonard Electric Company, Mount Vernon, N. Y. Electric resistors. 570,307, Feb. 10; Serial No. 624,170, published Oct. 28, 1952. Class 21.
- Warren Paint & Color Company, Nashville, Tenn. Enamel. 570,223, Feb. 10; Serial No. 616,350, published Nov. 11, 1952. Class 16.
- Warren Woolen Co., The, Stafford Springs, Conn. Rugs. 302,862, renewed Apr. 25, 1953. O. G. Feb. 10. Class 42.
- Washington Fish & Oyster Co., Inc., Seattle, Wash. Canned salmon, crabmeat, tuna, etc. 570,449, Feb. 10; Serial No. 552,825, Class 46.
- Weiser & Teitel, doing business under the name of Raleigh Paint & Varnish Co., New York, N. Y. Ready mixed paint. 570,134, Feb. 10; Serial No. 606,831, published Nov. 11, 1952. Class 18.
- West Disinfecting Company, Long Island City, N. Y. Deodorizing fluid. 570,328, Feb. 10; Serial No. 625,149, published Oct. 28, 1952. Class 6.
- West Los Angeles Milling Co.: See—
Evans, Ernest J.
- Whittemore Bros. Corp., Cambridge, Mass. Preparations for polishing shoes and leathers, burnishing ink, etc. 570,068, Feb. 10; Serial No. 546,141, published Oct. 28, 1952. Class 4.
- Wilkinson-Oreah, Inc., St. Petersburg, Fla. Shelf adapted to be installed above the windshield in the interior of a vehicle. 570,100, Feb. 10; Serial No. 586,009, published Oct. 14, 1952. Class 19.
- Wilkinson, Robert J., doing business as Wilkinson's Products Company, Escanaba, Mich. Fungus preparation. 570,388, Feb. 10; Serial No. 628,513, published Nov. 18, 1952. Class 18.
- Wilkinson's Products Company: See—
Wilkinson, Robert J.
- Wilkor Products, Inc., Cleveland, Ohio. Electrical resistance units and parts thereof. 570,470, Feb. 10; Serial No. 617,426, Class 21.
- Wilkor Products, Inc., Cleveland, Ohio. Electrical resistance units and parts thereof. 570,471, Feb. 10; Serial No. 617,689, Class 21.
- Williams Manufacturing Company, Chicago, Ill. Coin-controlled electrically operated automatic phonograph apparatus. 570,161, Feb. 10; Serial No. 608,778, published Oct. 28, 1952. Class 21.
- Williamson, Kent, doing business as "Smith Paint Products", Harrisburg, Pa. Interior texture paint. 570,080, Feb. 10; Serial No. 567,832, published Nov. 4, 1952. Class 10.
- Willis-Overland Motors, Inc., Toledo, Ohio. Automobiles and structural parts thereof. 570,326, Feb. 10; Serial No. 625,085, published Oct. 21, 1952. Class 19.
- Winter Haven Citrus Growers Association, Winter Haven, Fla. Oranges, lemons, grapefruit, etc. 91,147, renewed Apr. 15, 1953. O. G. Feb. 10. Class 46.
- Wunder Maid, Inc., St. Louis, Mo. Textile fabrics. 570,413, Feb. 10; Serial No. 631,454, published Nov. 18, 1952. Class 42.
- Wyeth Incorporated: See—
Wyeth, John, & Brother, Incorporated.
- Wyeth, John, & Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Medicinal preparation. 89,727, re-renewed Dec. 31, 1952. O. G. Feb. 10. Class 18.
- York, Louis B., doing business under the name of Admiral Fabrics Co., New York, N. Y. Plastic sun shades and visors to be attached to the windshield of automobiles. 570,227, Feb. 10; Serial No. 617,068, published Oct. 28, 1952. Class 19.
- Youthcraft Creations, Inc., New York, N. Y. Foundation garments, corsets, girdles, etc. 570,108, Feb. 10; Serial No. 591,826, published June 5, 1951. Class 36.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

- Baby-chicks. Ralston Purina Company. 570,070, Feb. 10; Serial No. 552,704, published Nov. 4, 1952.
- Birds. Harris Mountain Products. 570,340, Feb. 10; Serial No. 626,800, published Oct. 14, 1952.
- Chemical cotton. Southern Chemical Cotton Company. 297,271, renewed Sept. 8, 1952. O. G. Feb. 10.
- Flowers and plants. Natural Florists' Telegraph Delivery Association. 570,445, Feb. 10; Serial No. 573,417, published Nov. 4, 1952.
- Hardwood chips. Gobbler's Knob Hickory, Inc. 570,353, Feb. 10; Serial No. 628,739, published Oct. 28, 1952.
- Leather. A. C. Lawrence Leather Company. 301,791, renewed Mar. 14, 1953. O. G. Feb. 10.
- Plasticized and unplasticized vinyl type plastic. Nison Nitration Works. 570,095, Feb. 10; Serial No. 584,634, published Oct. 28, 1952.
- Polyester type, impregnated glass fiber. The Cordo Chemical Corporation. 570,323, Feb. 10; Serial No. 624,931, published Oct. 14, 1952.
- Sheets, webs and batts made wholly or partially of cellulose derivatives. Celanese Corporation of America. 570,308, Feb. 10; Serial No. 624,224, published Nov. 4, 1952.

CLASS 2

- Box. Joseph Jacobs & Son. 570,447, Feb. 10; Serial No. 537,193.
- Boxes, tote. All-Steel Equipment Inc. 570,071, Feb. 10; Serial No. 554,190, published July 15, 1952.
- Cans and covers therefor, paper. Oswego Falls Corporation. 300,176, renewed Jan. 10, 1953. O. G. Feb. 10.
- Containers, metal. Stackbin Corporation. 570,065, Feb. 10; Serial No. 541,214, published July 15, 1952.
- Utility chests. Master Metal Products, Inc. 298,571, renewed Nov. 1, 1952. O. G. Feb. 10.

CLASS 3

- Cases made of leather. F. Crosson. 570,463, Feb. 10; Serial No. 608,150.
- Compartmented insert for women's handbags. V. D. Hogan. 570,460, Feb. 10; Serial No. 603,926.
- Handbags and fitted handbags. Evans Case Co. 570,454, Feb. 10; Serial No. 591,982.

CLASS 4

- Abrasive papers and cloths. Herman Behr & Company, Incorporated. 167,642, Aug. 15, 1922. Republished Feb. 10.
- Abrasive papers and cloths. Herman Behr & Company, Incorporated. 168,942, May 29, 1923. Republished Feb. 10.
- Abrasive. H. B. Reed & Company. 570,133, Feb. 10; Serial No. 600,239, published Nov. 18, 1952.

- Emery cord and tape, crocus abrasive cord and oiled abrasive cord. John A. Eberly, Inc. 570,111, Feb. 10; Serial No. 591,918, published Nov. 11, 1952.
- Preparations for cleaning, coloring, dressing, polishing, and shining shoes, boots, etc. Griffin Manufacturing Co., Inc. 570,217-18, Feb. 10; Serial Nos. 615,892-3, published Oct. 28, 1952.
- Preparations for polishing shoes and leathers, burnishing ink, etc. Whittemore Bros. Corp. 570,068, Feb. 10; Serial No. 546,141, published Oct. 28, 1952.
- Wax floor dressing, liquid. Hilliased Chemical Company. 570,204, Feb. 10; Serial No. 614,942, published Oct. 28, 1952.
- Waxes, paste and liquid, and self-polishing wax. The Butcher Polish Company. 570,129, Feb. 10; Serial No. 598,000, published Nov. 18, 1952.

CLASS 5

- Adhesives. Behr-Manning Corporation. 570,426, Feb. 10; Serial No. 634,506, published Nov. 11, 1952.
- Adhesives, synthetic resins. Ciba Limited. 570,399, Feb. 10; Serial No. 629,356, published Nov. 11, 1952.
- Hydrophilic colloids—namely, animal glues. B. H. Greenwood. 570,296, Feb. 10; Serial No. 622,995, published Nov. 18, 1952.

CLASS 6

- Amylolytic or starch-liquefying preparation. Standard Brands Incorporated. 302,486, renewed Apr. 18, 1953. O. G. Feb. 10.
- Anhydrous sodium sulphate. Shenandoah Rayon Corporation. 570,306, Feb. 10; Serial No. 624,107, published Nov. 11, 1952.
- Baas exchange silicates. The Permutit Company. 299,632, renewed Dec. 13, 1952. O. G. Feb. 10.
- Chemical composition. Dewey and Almy Chemical Company. 570,356, Feb. 10; Serial No. 626,864, published Nov. 11, 1952.
- Chemical compositions. Dodge & Oilcott, Inc. 570,417, Feb. 10; Serial No. 632,550, published Nov. 18, 1952.
- Chemical products. Cassella Farbwerke Mainkur. 570,208, Feb. 10; Serial No. 615,154, published Nov. 18, 1952.
- Color pigments. United Wallpaper, Inc. 570,408-10, Feb. 10; Serial Nos. 630,460-2, published Nov. 18, 1952.
- Composition for waterproofing and preserving leather. Leather Waterproofing and Preservative, Inc. 570,318, Feb. 10; Serial No. 624,690, published Nov. 11, 1952.
- Conditioning media for lubricating, sizing, and dressing yarns, threads, etc. American Viscose Corporation. 570,407, Feb. 10; Serial No. 630,374, published Nov. 18, 1952.
- Container for and volatile mothproofing chemical. Irwin-Willert Company. 570,066, Feb. 10; Serial No. 544,871, published Oct. 14, 1952.

- Crude plastic materials. Esso Standard Oil Company. 570,089, Feb. 10; Serial No. 577,781, published Nov. 11, 1952.
- Denatured alcohol and alcohol. Carbide and Carbon Chemicals Corporation. 300,602, renewed Jan. 24, 1953. O. G. Feb. 10.
- Deodorizing fluid. West Disinfecting Company. 670,328, Feb. 10; Serial No. 625,149, published Oct. 28, 1952.
- Enzyme preparation. Takamine Laboratory, Inc. 570,276, Feb. 10; Serial No. 620,937, published Nov. 18, 1952.
- Enzyme preparation. Takamine Laboratory, Inc. 570,277, Feb. 10; Serial No. 620,939, published Nov. 18, 1952.
- Fungicides and mildew-proofing agents. Advance Solvents & Chemical Corporation. 570,304, Feb. 10; Serial No. 624,002, published Nov. 11, 1952.
- Insecticide. S. P. F. Wood-Preserving Co., Inc. 570,106, Feb. 10; Serial No. 591,440, published Nov. 27, 1951.
- Insecticide, cotton. H. C. Coggin. 570,368, Feb. 10; Serial No. 627,172, published Nov. 11, 1952.
- Insecticides and fungicides. The Farm Bureau Cooperative Association, Inc. 570,406, Feb. 10; Serial No. 630,297, published Nov. 18, 1952.
- Liquid air entrainer and hardening agent. Atlantic Chemicals, Inc. 570,122, Feb. 10; Serial No. 595,758, published Nov. 18, 1952.
- Miticide and water dispersible residual miticide. United Chemical Company. 570,420, Feb. 10; Serial No. 633,093, published Nov. 18, 1952.
- Mixture of water-soluble alkaline salts. Arkansas Company, Inc. 570,243, Feb. 10; Serial No. 617,743, published Nov. 11, 1952.
- Photographic developer. Mallinckrodt Chemical Works. 570,400, Feb. 10; Serial No. 629,442, published Nov. 11, 1952.
- Photographic developer, low contrast. Mallinckrodt Chemical Works. 570,401, Feb. 10; Serial No. 629,443, published Nov. 11, 1952.
- Preparations for exterminating insects. Geta Exterminators, Inc. 297,145, Sept. 6, 1952. Republished Feb. 10.
- Roach exterminator. Earl Grissmer Co. 570,402, Feb. 10; Serial No. 629,480, published Nov. 11, 1952.
- Rodenticides. Vineland Laboratories, Inc. 570,347, Feb. 10; Serial No. 626,354, published Nov. 18, 1952.
- Starch. Société Anonyme des Usines Remy. 80,947, re-renewed June 11, 1952. O. G. Feb. 10.
- Substance having the chemical formula, 2,2'-dihydroxy-5,5'-dichloro diphenyl methane. Sindar Corporation. 570,280, Feb. 10; Serial No. 621,172, published Nov. 18, 1952.
- Synthetic resins. Shell Chemical Corporation. 570,404, Feb. 10; Serial No. 629,822, published Nov. 18, 1952.
- Synthetic wax. Valscol Corporation. 570,185, Feb. 10; Serial No. 611,387, published Nov. 11, 1952.
- Thermoplastic and thermosetting plastics. Algemeine Kunststoffe Union N. V. 570,405, Feb. 10; Serial No. 629,881, published Nov. 11, 1952.
- Water softening and water conditioning chemicals. Calgon, Incorporated. 570,365, Feb. 10; Serial No. 627,170, published Nov. 11, 1952.

CLASS 7

- Enameled covered wire. Maryland Fine & Specialty Wire Company, Inc. 570,461, Feb. 10; Serial No. 605,599.

CLASS 10

- Fertilizer. T. D. Burnett. 570,226, Feb. 10; Serial No. 619,132, published Dec. 2, 1952.

CLASS 12

- Aluminum foil for use as insulation and/or vapor barrier. Protective Papers, Inc. 570,448, Feb. 10; Serial No. 537,357.
- Anti-freeze accelerator, densifier, and hardener for hydraulic cement. American Fluorite Company, Inc. 570,464, Feb. 10; Serial No. 608,693.
- Asbestos insulation materials. Sprayed Insulation, Inc. 570,205, Feb. 10; Serial No. 614,998, published Oct. 14, 1952.
- Asphalt, liquid. Adtex Corporation. 570,190, Feb. 10; Serial No. 611,675, published Nov. 18, 1952.
- Bricks and stripping, cut and slatted. Boston Machine Works Company. 570,164, Feb. 10; Serial No. 609,024, published Oct. 14, 1952.
- Building fronts. Martin Hoffman Co. 570,163, Feb. 10; Serial No. 606,774, published Oct. 14, 1952.
- Cementitious material, articles of. Plasticrete Corporation. 570,493, Feb. 10; Serial No. 636,537.
- Expanded metal lath. Truscon Steel Company. 570,118, Feb. 10; Serial No. 593,378, published Nov. 18, 1952.
- Form ties for use in concrete construction work. Universal Form Clamp Co. 570,385, Feb. 10; Serial No. 628,375, published Nov. 25, 1952.
- Form ties particularly adapted for use in concrete construction work. Universal Form Clamp Co. 570,386, Feb. 10; Serial No. 628,377, published Nov. 18, 1952.
- Joint and crack filler, silicon plastic. Forman, Ford and Company. 570,467, Feb. 10; Serial No. 613,564.
- Plaster, calcined gypsum. United States Gypsum Company. 570,082, Feb. 10; Serial No. 570,071, published Nov. 18, 1952.
- Plastic resinous composition for caulking joints and crevices. American Fluorite Company, Inc. 570,451, Feb. 10; Serial No. 557,818.

- Plywood. Pacific Forest Industries. 570,220, Feb. 10; Serial No. 616,118, published Nov. 4, 1952.
- Plywood. United States Plywood Corporation. 570,353, Feb. 10; Serial No. 626,648, published Oct. 14, 1952.
- Refractory material. Refractory Sales Company. 570,259, Feb. 10; Serial No. 618,985, published Nov. 18, 1952.
- Roofing and siding, composition. American Home Advertisers, Inc. 570,257, Feb. 10; Serial No. 618,874, published Nov. 18, 1952.
- Screens, plastic. Plastite Screen Corporation. 570,191, Feb. 10; Serial No. 611,852, published Nov. 4, 1952.
- Shingle design siding panels. The Celotex Corporation. 570,115, Feb. 10; Serial No. 592,544, published Nov. 18, 1952.
- Shingles, roofing. The Flintkote Company. 570,483, Feb. 10; Serial No. 628,622.
- Surfacing materials. Globe Roofing Products Co., Inc. 570,109, Feb. 10; Serial No. 591,847, published Oct. 9, 1951.
- Tile, decorative. The Celotex Corporation. 570,374, Feb. 10; Serial No. 627,624, published Nov. 18, 1952.
- Tile, floor. Pacific Tile and Porcelain Company. 570,474, Feb. 10; Serial No. 620,226.
- Vibration absorbing materials. The Feltens Company. 570,210, Feb. 10; Serial No. 615,175, published Nov. 18, 1952.
- Weatherstripping and dribak strips. The Sponge Rubber Products Company. 570,375, Feb. 10; Serial No. 627,646, published Nov. 18, 1952.
- Window units. Hammontree Brothers Lumber Company. 570,492, Feb. 10; Serial No. 633,107.

CLASS 13

- Aluminumware. Good Will Sales, Inc. 570,291, Feb. 10; Serial No. 622,390, published Nov. 18, 1952.
- Concrete irrigation ditch gates and concrete irrigation valves. Valley Concrete Pipe & Products Company, Inc. 570,196, Feb. 10; Serial No. 618,827, published Nov. 11, 1952.
- Control valves. The Powers Regulator Company. 570,455, Feb. 10; Serial No. 592,840.
- Devices for holding window wash. Grand Rapids Hardware Company. 570,136, Feb. 10; Serial No. 600,775, published Nov. 18, 1952.
- Dispensers and parts thereof, wall type towel. Frifar Mfg. Co. Inc. 570,231, Feb. 10; Serial No. 617,240, published Nov. 18, 1952.
- Dispensing closure. The Model Patent Manufacturing Company. 570,094, Feb. 10; Serial No. 584,465, published Nov. 4, 1952.
- Door hangers, floating action. Dowlong Manufacturing, Inc. 570,171, Feb. 10; Serial No. 610,313, published Nov. 11, 1952.
- Door hangers, floating action. Dowlong Manufacturing, Inc. 570,289, Feb. 10; Serial No. 622,104, published Nov. 11, 1952.
- Door hardware, sliding. Nu-Way Builders Corp. 570,482, Feb. 10; Serial No. 625,997.
- Fence anchors and sheet metal strips. R. E. Hayes. 570,390, Feb. 10; Serial No. 628,625, published Nov. 4, 1952.
- Grease trapping and filtering devices. Pacific Air Conditioning Co. 570,123, Feb. 10; Serial No. 598,003, published Nov. 11, 1952.
- Hinges, escutcheons, door handles, etc. General Motors Corporation. 570,393, Feb. 10; Serial No. 628,935, published Nov. 4, 1952.
- Parts of display and storage racks, accessories for folding chairs, etc. Lyon Metal Products, Incorporated. 570,062, Feb. 10; Serial No. 537,207, published Nov. 18, 1952.
- Parts of display and storage racks, accessories for folding chairs, etc. Lyon Metal Products, Incorporated. 570,085, Feb. 10; Serial No. 570,972, published Nov. 4, 1952.
- Plastic pipe. Crescent Plastics, Inc. 570,403, Feb. 10; Serial No. 629,653, published Nov. 11, 1952.
- Surface boiler skimmers. Boiler Specialties Corporation. 570,178, Feb. 10; Serial No. 611,257, published Nov. 4, 1952.
- Valves, pressure regulating. Shasta Pump Company. 570,064, Feb. 10; Serial No. 538,459, published Nov. 4, 1952.

CLASS 15

- Gasoline. G. M. Howell. 570,466, Feb. 10; Serial No. 629,019.

CLASS 16

- Coating, bituminous resin emulsion thermal plastic. Service Industries. 570,377, Feb. 10; Serial No. 627,788, published Nov. 4, 1952.
- Enamel. Warren Paint & Color Company. 570,223, Feb. 10; Serial No. 616,350, published Nov. 11, 1952.
- Enamels. The Bishop-Conklin Company. 570,069, Feb. 10; Serial No. 551,161, published Nov. 11, 1952.
- Enamels, paint. Steelcote Manufacturing Company. 570,234, Feb. 10; Serial No. 617,560, published Nov. 11, 1952.
- Liquid preparation containing a mixture of oils, chemicals, and metal salts, to be applied to metal surfaces to prevent rust and corrosion. Rustvold Products, Inc. 302,453, renewed Apr. 18, 1953. O. G. Feb. 10.

Oils for use with paints and varnishes. Processed. Industrial Oil Products Corporation of Philadelphia. 570,160, Feb. 10; Serial No. 608,608, published Nov. 4, 1952.

Paint. Perma-Face Company of America. 570,250, Feb. 10; Serial No. 618,303, published Nov. 4, 1952.

Paint. Interior texture. K. Williamson. 570,080, Feb. 10; Serial No. 567,832, published Nov. 4, 1952.

Paint. Ready mixed. Welser & Teitel. 570,154, Feb. 10; Serial No. 608,831, published Nov. 11, 1952.

Paint. Varnish and enamel. Superior Paint and Varnish Corporation. 570,369, Feb. 10; Serial No. 627,284, published Nov. 4, 1952.

Paint. Varnish, enamel, oil and spirit stain. C. A. Nash & Son, Inc. 570,361, Feb. 10; Serial No. 627,002, published Nov. 4, 1952.

Paints. Lucifex Plastic Fabricating Inc. 570,232, Feb. 10; Serial No. 618,397, published Nov. 4, 1952.

Peculiar aggregate as a paint filler. Expanded and/or comminuted. Great Lakes Carbon Corporation. 570,212, Feb. 10; Serial No. 613,219, published Nov. 11, 1952.

Pigments for use in the manufacture of protective coatings. The Standard Ultramarine Company. 570,244, Feb. 10; Serial No. 617,773, published Nov. 11, 1952.

Varnish floor sealers. F. K. Perrow, Jr. 570,127, Feb. 10; Serial No. 607,777, published Nov. 11, 1952.

CLASS 17

Cigarettes. P. Lorillard Company. 570,490, Feb. 10; Serial No. 632,622.

CLASS 18

Adrenocorticotrophic hormone preparation. George A. Breen & Company. 570,418, Feb. 10; Serial No. 632,601, published Nov. 18, 1952.

Analgesic balm. Jefferson Pharmacal Company. 570,173, Feb. 10; Serial No. 610,443, published Nov. 4, 1952.

Anti-asthmatic preparation. Thos. Leeming & Co., Inc. 570,167, Feb. 10; Serial No. 609,728, published Nov. 18, 1952.

Antibiotic preparation. E. R. Squibb & Sons. 570,425, Feb. 10; Serial No. 634,351, published Nov. 18, 1952.

Antibiotic preparations. E. R. Squibb & Sons. 570,430, Feb. 10; Serial No. 634,869, published Nov. 18, 1952.

Antiseptic, resorbable root canal filling for treatment of acute periapical infection, etc. Gebr. de Trey, Aktiengesellschaft. 570,260, Feb. 10; Serial No. 619,012, published Nov. 4, 1952.

Calcium gluconate-lactate solution. Abbott Laboratories. 570,432, Feb. 10; Serial No. 634,960, published Nov. 18, 1952.

Cholecystographic drug. Schering Corporation. 570,437, Feb. 10; Serial No. 635,239, published Nov. 25, 1952.

Compositions in capsule or tablet form for mitigating nausea. Medical Specialties, Inc. 570,156, Feb. 10; Serial No. 607,226, published Nov. 4, 1952.

Concentrated multiple vitamin preparation. Abbott Laboratories. 570,433, Feb. 10; Serial No. 634,961, published Nov. 18, 1952.

Cough syrup. Bristol Laboratories Inc. 570,434, Feb. 10; Serial No. 635,023, published Nov. 18, 1952.

Diagnostic agent. Schering Corporation. 570,436, Feb. 10; Serial No. 635,238, published Nov. 25, 1952.

Fungus preparation. R. J. Wilkinson. 570,388, Feb. 10; Serial No. 528,513, published Nov. 18, 1952.

Hygienic deodorant. Roycemoire Toilettries, Inc. 570,368, Feb. 10; Serial No. 627,276, published Nov. 4, 1952.

Insecticides, germicides and fungicides. California Spray-Chemical Corporation. 299,042, renewed Nov. 22, 1952. O. G. Feb. 10.

Luteotrophic hormone preparation. E. R. Squibb & Sons. 570,113, Feb. 10; Serial No. 592,287, published Nov. 25, 1952.

Medical preparation. Drug Specialties, Inc. 570,416, Feb. 10; Serial No. 632,510, published Nov. 18, 1952.

Medicament for the treatment of feet. E. G. Oelke. 570,084, Feb. 10; Serial No. 570,430, published Nov. 4, 1952.

Medicinal antacid preparation. Organon Inc. 570,419, Feb. 10; Serial No. 632,846, published Nov. 18, 1952.

Medicinal preparation. E. S. Miller Laboratories, Inc. 570,246, Feb. 10; Serial No. 618,094, published Nov. 4, 1952.

Medicinal preparation. Schering Corporation. 300,854, renewed Feb. 14, 1953. O. G. Feb. 10.

Medicinal preparation. John Wyeth & Brother, Incorporated. 89,727, re-renewed Dec. 31, 1952. O. G. Feb. 10.

Mineral oil, castor oil, olive oil, etc. H. A. Uhlander & Company. 570,452, Feb. 10; Serial No. 567,440.

Muscle relaxant preparation. A. H. Robins Company, Inc. 570,423, Feb. 10; Serial No. 634,118, published Nov. 4, 1952.

Natural and synthetic essential oils and aromatic chemicals. Firmenich & Co. 570,119, Feb. 10; Serial No. 694,206, published Oct. 14, 1952.

Penicillin G procaine. Abbott Laboratories. 570,431, Feb. 10; Serial No. 634,959, published Nov. 18, 1952.

Penicillin ointment. Peters Serum Company. 570,155, Feb. 10; Serial No. 607,188, published Nov. 4, 1952.

Pharmaceutical preparation. A. Gassoni & C. 570,074, Feb. 10; Serial No. 560,014, published Nov. 4, 1952.

Pharmaceutical preparation. Marine Chemicals Company, Ltd. 298,737, renewed Nov. 1, 1952. O. G. Feb. 10.

Pharmaceutical product. Schenley Laboratories, Inc. 570,427-8, Feb. 10; Serial Nos. 634,660-1, published Nov. 26, 1952.

Pile ointment. Rectal Block Drug Company, Inc. 570,158, Feb. 10; Serial No. 608,265, published Nov. 4, 1952.

Pile salve. E. Thibedaux. 570,415, Feb. 10; Serial No. 632,457, published Nov. 18, 1952.

Plasma volume expander. Laros Textiles Company. 570,295, Feb. 10; Serial No. 622,601, published Nov. 18, 1952.

Polyvalent vaccine. G. Streuli & Co. 570,429, Feb. 10; Serial No. 634,511, published Nov. 18, 1952.

Preparation for the treatment of poultry diseases. Dr. Salisbury's Laboratories. 570,424, Feb. 10; Serial No. 634,120, published Nov. 18, 1952.

Preparation for correcting nutritional deficiencies in animals. Allied Laboratories, Inc. 570,160, Feb. 10; Serial No. 609,622, published Nov. 4, 1952.

Preparation for the treatment of swine. Dr. Salisbury's Laboratories. 570,435, Feb. 10; Serial No. 635,150, published Nov. 25, 1952.

Preparation intended for use as a local anesthetic. Abbott Laboratories. 570,200, Feb. 10; Serial No. 614,380, published Nov. 4, 1952.

Preparation to be taken internally for the purpose of serving as an X-ray contrast medium. American Cystoscope Makers, Inc. 570,175-6, Feb. 10; Serial Nos. 611,010-11, published June 17, 1952.

Product for chemically cauterizing and tenderizing poultry. American Scientific Laboratories, Inc. 570,422, Feb. 10; Serial No. 633,703, published Nov. 25, 1952.

Sedative tablets. San Francisco Drug Co., Incorporated. 570,462, Feb. 10; Serial No. 608,128.

Silver vitellin used for medicinal purposes. A. C. Barnea. 39,326, re-renewed Nov. 18, 1952. O. G. Feb. 10.

Tablets for crop and bronchial conditions, ointments, etc. The E. L. Patch Company. 300,856, renewed Feb. 14, 1953. O. G. Feb. 10.

Tonical preparation. American Cyanamid Company. 570,339, Feb. 10; Serial No. 625,783, published Nov. 18, 1952.

Vitamin tablets. American Dietetics Company, Inc. 570,363, Feb. 10; Serial No. 627,100, published Nov. 4, 1952.

CLASS 19

Aeroplanes and structural parts thereof. Vickers-Armstrongs Limited. 570,247, Feb. 10; Serial No. 618,106, published Sept. 30, 1952.

Aircraft. Piasecki Helicopter Corporation. 570,182, Feb. 10; Serial No. 611,305, published Oct. 28, 1952.

Automobile accessories. City Tool Accessories Corporation. 570,195, Feb. 10; Serial No. 613,117, published Oct. 14, 1952.

Automobile accessories. Compco Corporation. 570,121, Feb. 10; Serial No. 594,854, published Sept. 23, 1952.

Automobile floor mats. The Paine & Williams Company. 570,063, Feb. 10; Serial No. 537,230, published Sept. 30, 1952.

Automobile seat covers. Easco Manufacturing Co., Inc. 570,110, Feb. 10; Serial No. 591,884, published Sept. 23, 1952.

Automobile seat covers. Rayco Manufacturing Co. 570,189, Feb. 10; Serial No. 611,451, published Sept. 30, 1952.

Automobiles and structural parts thereof. Willys-Overland Motors, Inc. 570,326, Feb. 10; Serial No. 625,085, published Oct. 21, 1952.

Automobiles and their structural parts. Chrysler Corporation. 570,186-7, Feb. 10; Serial Nos. 611,402-3, published Sept. 30, 1952.

Automobiles and their structural parts. Chrysler Corporation. 570,188, Feb. 10; Serial No. 611,405, published Oct. 28, 1952.

Automobiles, trucks, structural parts and accessories. Lone Star Olds Cadillac Co. 570,101, Feb. 10; Serial No. 586,927, published Sept. 30, 1952.

Auxiliary seat with steering gear and controls. Children's, J. W. Smith. 570,273, Feb. 10; Serial No. 620,114, published Oct. 21, 1952.

Bicycles. Manton & Smith Company. 570,224, Feb. 10; Serial No. 616,636, published Oct. 14, 1952.

Cars. Railway freight, refrigerator cars, tank cars, etc. General American Transportation Corporation. 570,117, Feb. 10; Serial No. 593,067, published Sept. 23, 1952.

Dollies. Lemco Products, Inc. 570,213, Feb. 10; Serial No. 615,233, published Sept. 30, 1952.

Light signaling device for use on automotive vehicles. Automatic States Development and Manufacturing Co. 570,297, Feb. 10; Serial No. 623,086, published Oct. 21, 1952.

Luminous safety device to be applied to motor vehicle doors. Loma-Rim Corporation. 570,192, Feb. 10; Serial No. 612,022, published Oct. 7, 1952.

Motor vehicle accessories. Magnatex Limited. 570,134, Feb. 10; Serial No. 600,496, published Sept. 30, 1952.

Motorcycles. La Motoconfort. 570,168, Feb. 10; Serial No. 609,804, published Oct. 28, 1952.

Motorcycles. Spiegel, Inc. 570,228, Feb. 10; Serial No. 617,097, published Sept. 30, 1952.

Mufflers, tail pipes, exhaust pipes, etc. Garcia International Corporation. 570,281, Feb. 10; Serial No. 619,296, published Oct. 28, 1952.

Perambulators and push-chairs. D. Sebel and Company Limited. 570,264, Feb. 10; Serial No. 619,476, published Oct. 14, 1952.

Roller mounted carrier boxes mounted on rollers. C. R. Daniels, Inc. 570,072, Feb. 10; Serial No. 557,437, published Oct. 21, 1952.

Safety device for automobiles. R. S. Coombs. 570,107, Feb. 10; Serial No. 591,068, published Sept. 30, 1952.

Seat and back cushion covers for automobiles. Bertley Company, Incorporated. 570,139, Feb. 10; Serial No. 601,973, published Sept. 23, 1952.

Shelf adapted to be installed above the windshield in the interior of a vehicle. Wilkinson-Gresh, Inc. 570,100, Feb. 10; Serial No. 586,609, published Oct. 14, 1952.

Sun shades and visors to be attached to the windshield of automobiles. Plastic. L. B. York. 570,227, Feb. 10; Serial No. 617,068, published Oct. 28, 1952.

Trucks. Hand. F. T. Hilliker. 570,159, Feb. 10; Serial No. 608,274, published Oct. 21, 1952.

Vehicle braking systems and accessories therefor. Bendix Aviation Corporation. 570,083, Feb. 10; Serial No. 570,087, published Oct. 21, 1952.

Wheelbarrows. Buch Manufacturing Company. 570,193, Feb. 10; Serial No. 612,303, published Sept. 30, 1952.

CLASS 21

Alarm systems and parts thereof. Electrical burglar. H. A. Mears. 570,342, Feb. 10; Serial No. 625,858, published Oct. 28, 1952.

Amplifiers. Magnetic. Ward Leonard Electric Company. 570,128, Feb. 10; Serial No. 597,799, published Oct. 21, 1952.

Bottle warmers. Electrical. A. B. Johnson. 570,312, Feb. 10; Serial No. 624,272, published Oct. 28, 1952.

Casings for the electrical equipment of motors and similar power apparatus. Breeze Corporations, Inc. 294,293, May 24, 1932. Republished Feb. 10.

Electric floor polishing machines. Advance Machine Company. 570,245, Feb. 10; Serial No. 617,939, published Oct. 28, 1952.

Electric resistors. Ward Leonard Electric Company. 570,307, Feb. 10; Serial No. 624,170, published Oct. 28, 1952.

Electric vaporizer. Exterminator Corporation of America. 570,325, Feb. 10; Serial No. 625,084, published Oct. 28, 1952.

Electrical apparatus. Albert & J. M. Anderson Manufacturing Company. 570,075-8, Feb. 10; Serial Nos. 562,082-3, published Oct. 28, 1952.

Electrical apparatus. A. Y. McDonald Manufacturing Co. 570,163, Feb. 10; Serial No. 608,876, published Nov. 18, 1952.

Electrical appliances. Aldens, Inc. 570,332, Feb. 10; Serial No. 625,386, published Oct. 28, 1952.

Electrical insulating material. Dow Corning Corporation. 570,268, Feb. 10; Serial No. 619,818, published Oct. 21, 1952.

Electrical resistance units and parts thereof. Wilkor Products, Inc. 570,470, Feb. 10; Serial No. 617,426.

Electrical resistance units and parts thereof. Wilkor Products, Inc. 570,471, Feb. 10; Serial No. 617,689.

Electrical switches and electric lamp sockets. The Arrow-Hart & Hazeman Electric Company. 570,378, Feb. 10; Serial No. 627,795, published Nov. 4, 1952.

Electrical switches. Pressure operated, overload electrical circuit breakers, and magnetic starters. A. Y. McDonald Manufacturing Co. 570,281, Feb. 10; Serial No. 621,270, published Nov. 11, 1952.

Electrical welders. Engine driven, and engine driven electrical generators. Schramm Inc. 570,314, Feb. 10; Serial No. 624,306, published Oct. 28, 1952.

Electrically lighted and operated picture display advertising cabinets. M. M. Mummert. 570,184, Feb. 10; Serial No. 611,367, published Nov. 18, 1952.

Electrically operated automatic dish washers. Given Manufacturing Co. 570,172, Feb. 10; Serial No. 610,439, published Apr. 22, 1952.

Electrically operated automatic phonograph apparatus. Coin-controlled. Williams Manufacturing Company. 570,181, Feb. 10; Serial No. 608,776, published Oct. 28, 1952.

Electrically operated deodorizer. Keystone Scent-Conditioner Corp. 570,211, Feb. 10; Serial No. 615,184, published Oct. 28, 1952.

Electrically operated duplicating machines. Ditto, Incorporated. 570,298, Feb. 10; Serial No. 623,130, published Oct. 28, 1952.

Electromagnets, relays, solenoids, and switches. Guardian Electric Manufacturing Co. 570,073, Feb. 10; Serial No. 559,152, published Oct. 28, 1952.

Fuses. Electric, fuse holders, fuse wire, etc. The McGraw Electric Company. 570,088, Feb. 10; Serial No. 574,445, published Oct. 28, 1952.

Igniters for fuel burners. Electric, electric switches, etc. Robertshaw-Fulton Controls Company. 570,384, Feb. 10; Serial No. 628,009, published Nov. 4, 1952.

Lamp shade. Electric. T. Bargman. 570,316, Feb. 10; Serial No. 624,622, published Oct. 28, 1952.

Magnetic separators. United States Hoffman Machinery Corporation. 570,143, Feb. 10; Serial No. 602,866, published May 27, 1952.

Metallized-paper capacitors. Astron Corporation. 570,272, Feb. 10; Serial No. 620,081, published Oct. 28, 1952.

Miniature replaceable self-contained electronic circuits. Audio Products Corporation. 570,302, Feb. 10; Serial No. 623,632, published Oct. 28, 1952.

Permanent magnet dynamic loud speakers, baffles, and housings therefor and parts thereof. Permoflux Corporation. 570,327, Feb. 10; Serial No. 625,122, published Oct. 28, 1952.

Patty-like electrical insulating compound. Minnesota Mining & Manufacturing Company. 570,324, Feb. 10; Serial No. 625,020, published Oct. 28, 1952.

Silent, electrical, vehicular passing signal. P. E. Tegar-den. 570,330, Feb. 10; Serial No. 625,305, published Oct. 28, 1952.

Sound recording and reproducing machines and parts thereof. Electrical. Miles Reproducer Co. 570,313, Feb. 10; Serial No. 624,284, published Oct. 28, 1952.

Storage batteries, electric batteries, etc. Federated Department Stores, Inc. 570,351, Feb. 10; Serial No. 626,616, published Nov. 18, 1952.

Switchboard panels. Electric, and motor-generator sets. The Standard Electric Time Company. 570,282, Feb. 10; Serial No. 621,339, published Oct. 28, 1952.

Switch mechanism. The Brush Development Company. 570,194, Feb. 10; Serial No. 612,726, published Oct. 28, 1952.

Switch plates. Light. Falcon Plastic Products Mfg. Co. 570,294, Feb. 10; Serial No. 622,529, published Oct. 28, 1952.

Telephone apparatus. Farmers Engineering & Manufacturing Co. 570,093, Feb. 10; Serial No. 581,871, published Oct. 28, 1952.

Television picture tube reactvators. CBC Electronics Co. 570,256, Feb. 10; Serial No. 618,622, published Nov. 18, 1952.

Television receiving sets. L. A. Laxoff. 570,098, Feb. 10; Serial No. 585,651, published Nov. 4, 1952.

Toasters. Electric, electric waffle irons, electric portable glow heaters, etc. Knapp-Monarch Company. 570,104, Feb. 10; Serial No. 589,937, published Nov. 11, 1952.

Tools. Portable hand manipulable electric power operated. The Porter-Cable Machine Company. 570,114, Feb. 10; Serial No. 592,516, published June 24, 1952.

Tubes. Television picture. Allied Electric Products, Inc. 570,376, Feb. 10; Serial No. 627,729, published Nov. 4, 1952.

Units for local, voice-communicating, electronically operated, inter-communication systems. Solosound Industries, Inc. 570,174, Feb. 10; Serial No. 610,591, published Oct. 28, 1952.

Water tanks. Electrically heated. Seidelhuber Iron and Bronze Works, Incorporated. 570,321, Feb. 10; Serial No. 624,799, published Oct. 28, 1952.

CLASS 22

Artificial fish bait. C. L. Simmona. 570,092, Feb. 10; Serial No. 580,797, published Nov. 25, 1952.

Balls. Inflatable rubber. W. J. Voit Rubber Corp. 570,151, Feb. 10; Serial No. 606,347, published Nov. 25, 1952.

Dolls. Ideal Toy Corporation. 570,248, Feb. 10; Serial No. 618,167, published Nov. 25, 1952.

Dolls. The Sun Rubber Company. 570,382-3, Feb. 10; Serial Nos. 627,081-2, published Nov. 25, 1952.

Sporting goods. Ames Harris Neville Co. 570,206, Feb. 10; Serial No. 615,118, published Nov. 25, 1952.

Toy surveying instruments. The Porter Company. 570,472, Feb. 10; Serial No. 619,770.

CLASS 23

Apparatus for waste water treatment. The Dorr Company. 570,283, Feb. 10; Serial No. 621,357, published Oct. 21, 1952.

Bull stiffs, floor scrapers, litter carriers, etc. Starline, Inc. 325,725, July 2, 1935. Republished Feb. 10.

Cutter heads and milling cutter knives. Samuel J. Shlmer & Sons, Inc. 570,103, Feb. 10; Serial No. 589,117, published Oct. 28, 1952.

Device for maintaining a seal between a rotatable member and its bearing. Monogram Manufacturing Co. 570,087, Feb. 10; Serial No. 574,154, published Oct. 28, 1952.

Drive adapter mechanism. Hand-operated right-angle. Hand Sales Manufacturing Company, Inc. 570,126, Feb. 10; Serial No. 596,995, published Oct. 21, 1952.

Extractors. Centrifugal. American Machine and Metals, Inc. 570,287, Feb. 10; Serial No. 621,745, published Oct. 21, 1952.

Fire fighting equipment. W. L. Armstrong. 570,105, Feb. 10; Serial No. 590,131, published Oct. 21, 1952.

Floorlifters. McCormick Brothers Company. 570,146, Feb. 10; Serial No. 603,890, published Oct. 21, 1952.

Hydraulic riveters, punches and crimpers, pneumatic arbor presses, etc. Hannifin Corporation. 570,059, Feb. 10; Serial No. 533,305, published Aug. 19, 1952.

Jet insecticidal fog generators. Dyna-Fog Corp. 570,130, Feb. 10; Serial No. 598,071, published Oct. 21, 1952.

Lawnmowers. The Moto-Mower Company. 570,142, Feb. 10; Serial No. 602,276, published Jan. 30, 1951.

Machinery sets of assorted tools for automotive vehicle maintenance and repair, etc. Power driven woodworking. Duro Metal Products Co. 570,265, Feb. 10; Serial No. 619,502, published Nov. 4, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Mechanical wheeled spreaders. O. M. Scott & Sons Company. 570,337, Feb. 10; Serial No. 625,636, published Oct. 21, 1952.

Overhead transportation systems. The Forker Corporation. 544,010, Sept. 16, 1952. Corrected. O. G. Feb. 10.

Plows, Walking, two-way tractor sulky plows, tractor subsoil plows, etc. The Oliver Corporation. 570,199, Feb. 10; Serial No. 614,214, published Oct. 28, 1952.

Pump. S. N. Dally. 570,253, Feb. 10; Serial No. 618,448, published Oct. 21, 1952.

Pumps, Centrifugal, self-priming centrifugal pumps, etc. Johnston Water-System Co. 570,301, Feb. 10; Serial No. 623,602, published Oct. 21, 1952.

Sewing machines and parts thereof. Electric. Price Vacuum Stores, Inc. 570,344, Feb. 10; Serial No. 624,002, published Oct. 21, 1952.

Universal joints. Republic Gear Company. 570,387, Feb. 10; Serial No. 628,428, published Oct. 28, 1952.

Valve assemblies and parts thereof. American Iron and Machine Works Company. 570,201, Feb. 10; Serial No. 614,531, published Oct. 21, 1952.

Vending machines, Insurance. Goal Insurance Machines, Incorporated. 570,099, Feb. 10; Serial No. 586,597, published Aug. 19, 1952.

CLASS 24

Laundry work tables; stationary laundry racks; wheeled laundry racks; etc. National Marking Machine Company Limited. 570,170, Feb. 10; Serial No. 610,135, published Nov. 25, 1952.

CLASS 26

Ophthalmic lenses. Bausch & Lomb Optical Company. 299,433, renewed Dec. 6, 1952. O. G. Feb. 10.

CLASS 29

Brooms. Clover Farm Stores Corporation. 570,421, Feb. 10; Serial No. 633,490, published Nov. 11, 1952.

Liquid and paste wax applicators. Brantford Industries Limited. 570,144, Feb. 10; Serial No. 603,339, published Nov. 11, 1952.

Powder puffs, dusting mittens, dish mops, etc. Ar. Winarick, Inc. 302,422, renewed Apr. 18, 1953. O. G. Feb. 10.

Shoe polishing unit, Portable. Saulbert, Inc. 570,286, Feb. 10; Serial No. 621,731, published Nov. 18, 1952.

CLASS 32

Chairs, Folding. Louis Rastetter & Sons. 210,070, Mar. 9, 1926. Republished Feb. 10.

Couches. Southern Spring Bed Company. 570,476, Feb. 10; Serial No. 621,230.

Furniture, Living room. Lerch Industries, Inc. 570,475, Feb. 10; Serial No. 621,214.

Hassocks. D. Babit. 570,477, Feb. 10; Serial No. 621,250.

Mattresses. Shifman Bros. 570,479, Feb. 10; Serial No. 621,636.

CLASS 34

Ornamental candle holders, sconces and candelabras, etc. K. Urbach. 570,409, Feb. 10; Serial No. 617,328.

CLASS 35

Hose composed wholly or principally of rubber. The Good-year Tire & Rubber Company. 570,379, Feb. 10; Serial No. 627,814, published Nov. 18, 1952.

Tires and tubes, Vehicle rubber, and camel-back material. Pacific Tire & Rubber Company. 570,279, Feb. 10; Serial No. 621,164, published Nov. 18, 1952.

CLASS 36

Accordions. Patti Bros. Accordion Manufacturing Co. 570,254, Feb. 10; Serial No. 618,508, published Nov. 25, 1952.

Harmonicas. Wm. Kratt Co. 570,358, Feb. 10; Serial No. 626,944, published Nov. 25, 1952.

Harmonicas. Wm. Kratt Co. 570,359, Feb. 10; Serial No. 626,947, published Nov. 25, 1952.

Mouthpieces for wind musical instruments. A. Brillhart. 570,465, Feb. 10; Serial No. 611,216.

Musical instruments. Boosey and Hawkes, U. S. A., Ltd. 570,255, Feb. 10; Serial No. 618,617, published Nov. 25, 1952.

Musical instruments. Societe de Faconnage et de Commerce. 570,157, Feb. 10; Serial No. 607,455, published Nov. 25, 1952.

Phonograph records, Grooved. Decca Records, Inc. 570,090, Feb. 10; Serial No. 579,533, published Nov. 18, 1952.

Phonograph records, Grooved. Halco Recording Corporation. 570,229, Feb. 10; Serial No. 617,147, published Nov. 18, 1952.

Phonograph records, Mechanically grooved. Decca Records, Inc. 570,315, Feb. 10; Serial No. 624,592, published Nov. 25, 1952.

Saxophones, horns, cornets, etc. The Martin Band Instrument Company. 570,087, Feb. 10; Serial No. 546,115, published Nov. 18, 1952.

Saxophones, violins, pianos, etc. Etablissements L. Pierret & Cie, Société à Responsabilité Limitée. 570,136, Feb. 10; Serial No. 601,318, published Nov. 25, 1952.

Wind instruments. L. Leblanc. 570,078-9, Feb. 10; Serial Nos. 566,843-4, published Nov. 25, 1952.

CLASS 37

Decorative insulation in the nature of wall paper. United Wallpaper, Inc. 570,456, Feb. 10; Serial No. 595,040.

Paper and stationery. American Sales Book Company, Limited. 298,467, renewed Oct. 25, 1952. O. G. Feb. 10.

Paper, Kraft wrapping. Southern Advance Bag & Paper Co. Inc. 570,225, Feb. 10; Serial No. 616,991, published Nov. 4, 1952.

Paper napkins. Paper Art Company, Inc. 570,459, Feb. 10; Serial No. 600,908.

Pen points. Radiant Pen Corp. 570,102, Feb. 10; Serial No. 588,769, published Nov. 4, 1952.

Pencils, Lead. Joseph Dixon Crucible Company. 570,478, Feb. 10; Serial No. 621,260.

Posting board. Dennison & Sons. 570,135, Feb. 10; Serial No. 600,577, published Nov. 4, 1952.

Wrapping paper. Fisher Bros. Paper Company. 89,242, re-renewed Dec. 3, 1952. O. G. Feb. 10.

Writing paper, cover paper, and enameled book paper. The Alling & Cory Company. 91,148, re-renewed Apr. 22, 1953. O. G. Feb. 10.

CLASS 38

Books, pamphlets, brochures, etc. S. H. Patterson, Jr. 570,120, Feb. 10; Serial No. 594,232, published Nov. 18, 1952.

Comic strips. Terrytoons, Inc. 570,258, Feb. 10; Serial No. 618,946, published Nov. 18, 1952.

Magazine. Clissold Publishing Co. 570,487, Feb. 10; Serial No. 620,880.

Magazine. McCall Corporation. 570,145, Feb. 10; Serial No. 603,485, published Nov. 18, 1952.

Newspaper. The Catholic Press Company, Inc. 293,193, renewed Apr. 12, 1952. O. G. Feb. 10.

Printed advertising material. J. B. van Urk. 570,077, Feb. 10; Serial No. 563,034, published Nov. 18, 1952.

Publication, Monthly. American Psychiatric Association. 570,473, Feb. 10; Serial No. 620,077.

Publication, Monthly. State Publishing Company, Inc. 570,488, Feb. 10; Serial No. 630,456.

CLASS 39

Blouses, Ladies' and children's. L. Brod Company. 570,395, Feb. 10; Serial No. 628,905, published Nov. 11, 1952.

Caps. S. Appel & Co., Inc. 570,466, Feb. 10; Serial No. 612,989.

Clothing and accessories, Men's and boys'. Hahn Department Stores, Inc. 301,762, renewed Mar. 14, 1953. O. G. Feb. 10.

Clothing, Students'. The H. A. Seinschelmer Company. 296,472, renewed Aug. 9, 1952. O. G. Feb. 10.

Corsets, girdles, brassieres, etc. Sears, Roebuck and Co. 570,392, Feb. 10; Serial No. 628,781, published Nov. 11, 1952.

Dresses, Ladies'. E-Z-On Maternity Dress Co., Inc. 570,215, Feb. 10; Serial No. 615,489, published Nov. 11, 1952.

Foundation garments, corsets, girdles, etc. Youthcraft Creations, Inc. 570,108, Feb. 10; Serial No. 591,826, published June 5, 1951.

Garments, Infants' and children's one and two piece, cotton knit sleeping. The Perry Knitting Company. 570,267, Feb. 10; Serial No. 619,767, published Nov. 11, 1952.

Garments, Men's, boys', and children's outer. Cohen, Goldman & Co. Inc. 302,633, renewed Apr. 25, 1953. O. G. Feb. 10.

Gloves, Fabric. Tedson, Thornley and Company. 570,305, Feb. 10; Serial No. 624,061, published Nov. 11, 1952.

Hosiery. S. D. Arrowood & Co., Incorporated. 570,372, Feb. 10; Serial No. 627,373, published Nov. 11, 1952.

Hosiery, Ladies'. Chadbourne Hosiery Mills, Incorporated. 570,311, Feb. 10; Serial No. 624,264, published Nov. 18, 1952.

Hosiery, Ladies'. The Craft Company. 570,457, Feb. 10; Serial No. 596,393.

Hosiery, Ladies'. M. K. M. Hosiery Mills, Inc. 570,373, Feb. 10; Serial No. 627,518, published Nov. 11, 1952.

Hosiery, Ladies'. Sumner Hosiery Mill. 570,214, Feb. 10; Serial No. 615,255, published Nov. 18, 1952.

Hosiery, Ladies' and children's. L. Milberg. 570,235, Feb. 10; Serial No. 617,588, published Nov. 11, 1952.

Hosiery, Men's, women's, boys', girls', children's, and infants'. Hemphill Company. 570,303, Feb. 10; Serial No. 623,887, published Nov. 18, 1952.

Hosiery, stockings, and socks, Men's, women's, and children's. Edward Stern, Inc. 570,309, Feb. 10; Serial No. 624,245, published Nov. 11, 1952.

Hosiery, Women's. Constant, Inc. 570,333, Feb. 10; Serial No. 625,403, published Nov. 18, 1952.

Nightgowns and pajamas, Ladies' and misses'. Skyron Corporation. 570,491, Feb. 10; Serial No. 632,630.

Ready-to-wear and accessories, Women's. Hahn Department Stores, Inc. 302,058, renewed Mar. 28, 1953. O. G. Feb. 10.

Shirts, Dress, negligée and plaided. Roggen Bros. & Co. 91,127, re-renewed Apr. 15, 1953. O. G. Feb. 10.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Shirts, Men's outer. McGreevey, Werring & Howell, Inc. 570,484, Feb. 10; Serial No. 626,893.

Slacks, outer shorts, skirts, etc. Women's and children's. Betty Brooks Co. 570,270, Feb. 10; Serial No. 619,964, published Nov. 11, 1952.

Slips, Ladies' and children's. I. Schaefer & Sons, Inc. 570,489, Feb. 10; Serial No. 631,378.

Socks, Bowling. The Gilbert Products Corporation. 570,233, Feb. 10; Serial No. 617,340, published Nov. 11, 1952.

Socks, hosiery, and mittens, Athletic. Portage Hosiery Company. 570,274, Feb. 10; Serial No. 620,899, published Nov. 11, 1952.

Suits, topcoats, slacks, etc. Men's, students', cadets', and boys'. Hardwick Woolen Mills, Inc. 570,481, Feb. 10; Serial No. 622,716.

Sweaters, Men's, women's and children's. Barringer Knitting Mills, Inc. 570,310, Feb. 10; Serial No. 624,259, published Nov. 11, 1952.

Tuxedos, underwear and evening dress suits, etc. Syndicat Français des Textiles Artificiels. 570,148, Feb. 10; Serial No. 605,065, published Nov. 11, 1952.

Tuxedos, underwear and evening dress suits, etc. Syndicat Français des Textiles Artificiels. 570,149, Feb. 10; Serial No. 605,069, published Nov. 11, 1952.

Wearing apparel, Ladies' and misses'. California Smart's. 570,485, Feb. 10; Serial No. 628,141.

CLASS 40

Buckles. A. Stein & Company. 570,140, Feb. 10; Serial No. 602,114, published Nov. 4, 1952.

Buttons, Garment. C. D. Lewis. 570,331, Feb. 10; Serial No. 623,357, published Nov. 4, 1952.

Make-up elastic bands for the head. The American Beauty Make-Up Band Co. 570,236, Feb. 10; Serial No. 617,597, published Nov. 4, 1952.

Pins, Safety and straight. Hospital Equipment Corporation. 570,269, Feb. 10; Serial No. 619,834, published Nov. 4, 1952.

Rewinding supply and equipment kits. Skill-Weave Co. 570,203, Feb. 10; Serial No. 614,793, published Nov. 4, 1952.

Shoe laces. Hoffman Lion Mills Company, Inc. 570,249, Feb. 10; Serial No. 618,234, published Nov. 4, 1952.

Snap fasteners. S. H. Kress and Company. 570,338, Feb. 10; Serial No. 625,677, published Nov. 4, 1952.

Snap fasteners, and for buckles. The Patent Button Company. 570,319, Feb. 10; Serial No. 624,756, published Nov. 4, 1952.

CLASS 42

Book-cloths. Joseph Bancroft & Sons Co. 88,727, re-renewed Oct. 22, 1952. O. G. Feb. 10.

Cloth in the piece. B. B. & R. Knight Corporation. 302,642, renewed Apr. 25, 1953. O. G. Feb. 10.

Curtains, Shower. I. B. Kleinert Rubber Company. 570,177, Feb. 10; Serial No. 611,059, published Nov. 11, 1952.

Curtains, Window. Bartmann & Bizer, Inc. 570,300, Feb. 10; Serial No. 623,584, published Nov. 18, 1952.

Fabric. Mooresville Mills, Inc. 570,381, Feb. 10; Serial No. 627,957, published Nov. 18, 1952.

Fabrics. Gebroeders van Heek N. V. 570,169, Feb. 10; Serial No. 609,971, published July 29, 1952.

Fabrica in the piece. Wool. Miron Mills, Inc. 570,292, Feb. 10; Serial No. 622,309, published Nov. 11, 1952.

Fabrics, Textile. Wonder Maid, Inc. 570,413, Feb. 10; Serial No. 631,454, published Nov. 18, 1952.

Fabrics, Textile, bed sheets and sheeting, table cloths and napkins, etc. The Raven Company. 570,152, Feb. 10; Serial No. 606,724, published Nov. 18, 1952.

Fabrics, Window-shade. Joseph Bancroft & Sons Co. 88,728, re-renewed Oct. 22, 1952. O. G. Feb. 10.

Jute webbing. C. G. Trading Corp. 570,293, Feb. 10; Serial No. 622,526, published Nov. 18, 1952.

Piece goods. Botany Mills, Inc. 570,398, Feb. 10; Serial No. 629,346, published Nov. 18, 1952.

Piece goods. Botany Mills, Inc. 570,414, Feb. 10; Serial No. 631,536, published Nov. 18, 1952.

Piece goods. John Heathcoat and Company Limited. 570,180, Feb. 10; Serial No. 611,272, published Nov. 18, 1952.

Piece goods, and knitted fabrics, elastic webbing, etc. B. Altmann. 570,394, Feb. 10; Serial No. 628,981, published Nov. 11, 1952.

Piece goods, Textile. John Heathcoat and Company Limited. 570,179, Feb. 10; Serial No. 611,271, published Nov. 18, 1952.

Piece goods, Textile. John Heathcoat and Company Limited. 570,181, Feb. 10; Serial No. 611,273, published Nov. 18, 1952.

Piece goods, Woolen. Forstmann Woolen Co. 299,272, renewed Nov. 29, 1952. O. G. Feb. 10.

Piece goods, Woolen. Forstmann & Huffmann Company. 299,278, renewed Nov. 29, 1952. O. G. Feb. 10.

Piece goods, Woolen. Forstmann Woolen Co. 299,352-7, renewed Nov. 29, 1952. O. G. Feb. 10.

Piece goods, Woolen. Forstmann Woolen Co. 299,359-60, renewed Nov. 29, 1952. O. G. Feb. 10.

Piece goods, Woolen. Forstmann Woolen Co. 570,412, Feb. 10; Serial No. 631,349, published Nov. 18, 1952.

Quilted linings and quilted interlinings. North American Textile Co., Inc. 570,350, Feb. 10; Serial No. 626,588, published Nov. 18, 1952.

Quilted mattress pads and protectors. National Sure-Fit Quilting Co., Inc. 570,352, Feb. 10; Serial No. 626,634, published Nov. 11, 1952.

Rugs. The Warren Woolen Co. 302,662, renewed Apr. 25, 1953. O. G. Feb. 10.

Sheeting, Antiseptic waterproof, diapers, and waterproof undergarments. A. L. Sweetser. 39,227, re-renewed Nov. 11, 1952. O. G. Feb. 10.

Suitings and shirtings. M. H. Raab-Meyerhoff Co., Inc. 570,132, Feb. 10; Serial No. 599,842, published Nov. 18, 1952.

CLASS 43

Thread. The Spool Cotton Company. 89,961, re-renewed Jan. 21, 1953. O. G. Feb. 10.

Thread and yarn. The Clark Thread Company. 302,103-4, renewed Mar. 28, 1953. O. G. Feb. 10.

Thread and yarn. The Clark Thread Company. 302,206, renewed Apr. 4, 1953. O. G. Feb. 10.

Thread and yarn. Inventa A. G. 570,396, Feb. 10; Serial No. 629,167, published Nov. 11, 1952.

Thread and yarn. Inventa A. G. 570,397, Feb. 10; Serial No. 629,169, published Nov. 11, 1952.

Thread, Nylon sewing. The Hemmway & Bartlett Mfg. Co. 570,322, Feb. 10; Serial No. 624,631, published Nov. 11, 1952.

CLASS 44

Band or tape to be wrapped over surgical dressings and bandages, Perforated and unperforated. M. I. Askin. 570,268, Feb. 10; Serial No. 621,746, published Oct. 14, 1952.

Dentures, dental plates and bridges. R. M. Miller. 570,343, Feb. 10; Serial No. 625,960, published Oct. 14, 1952.

Electrical apparatus used in controlling enuresis. King Research Laboratories. 570,251, Feb. 10; Serial No. 618,355, published Nov. 4, 1952.

Medical injection apparatus, Automatic. Roehr Products Co. 570,232, Feb. 10; Serial No. 617,263, published Nov. 4, 1952.

Nursing aids. Braro Products. 570,341, Feb. 10; Serial No. 625,844, published Oct. 14, 1952.

CLASS 45

Soft drinks and syrups, Non-alcoholic, maltless. Reymor & Brothers, Incorporated. 570,091, Feb. 10; Serial No. 580,322, published Nov. 4, 1952.

Soft drinks, Non-alcoholic maltless, and carbonated waters. Stabilimenti Demaniali Recoaro Società Per Azioni. 570,276, Feb. 10; Serial No. 620,978, published Nov. 4, 1952.

Stabilizing agent—namely, brominated olive oil, used in the preparation of non-alcoholic maltless soft drinks. Abbott Laboratories. 570,116, Feb. 10; Serial No. 592,856, published Oct. 28, 1952.

CLASS 46

Baking composition. The Holton Company, Inc. 570,357, Feb. 10; Serial No. 626,885, published Nov. 11, 1952.

Beans, Dried, Lima beans, peas, etc. E. J. Evans. 570,450, Feb. 10; Serial No. 635,396.

Bread, Rye. The Rubel Baking Company. 302,520, renewed Apr. 25, 1953. O. G. Feb. 10.

Candy. Cardinet Candy Co. 91,070, re-renewed Apr. 15, 1953. O. G. Feb. 10.

Candy. Fine Products Corporation. 570,290, Feb. 10; Serial No. 622,109, published June 10, 1952.

Candy. The Great Atlantic and Pacific Tea Company. 570,389, Feb. 10; Serial No. 628,624, published Nov. 18, 1952.

Canned corned beef. Arthur L. Felson Inc. 670,141, Feb. 10; Serial No. 602,162, published Nov. 11, 1952.

Canned fish. Wm. H. Stanley Inc. 314,022, June 19, 1934. Republished Feb. 10.

Canned fruits and canned pineapple juice. Empacadora de Loma Bonita, S. A. 570,147, Feb. 10; Serial No. 605,030, published Oct. 28, 1952.

Canned fruits, canned vegetables, fruit preserves, etc. W. W. Smith. 570,150, Feb. 10; Serial No. 605,974, published Nov. 11, 1952.

Canned goods. Waples Platter Company. 360,725, Sept. 27, 1938. Restricted. O. G. Feb. 10.

Canned goods. Waples Platter Company. 362,524, Nov. 22, 1938. Restricted. O. G. Feb. 10.

Canned salmon, crabmeat, tuna, etc. Washington Fish & Oyster Co., Inc. 670,449, Feb. 10; Serial No. 552,823.

Canned sea foods. New England Fish Company. 570,391, Feb. 10; Serial No. 628,775, published Nov. 18, 1952.

Canned vegetable compound. Uddo & Taormina Company. 570,263, Feb. 10; Serial No. 619,423, published Nov. 11, 1952.

Chewing gum. Clark Brothers Chewing Gum Company. 570,480, Feb. 10; Serial No. 622,067.

Chocolate, Prepared edible. Suchard Holding Societe Anonyme. 570,271, Feb. 10; Serial No. 620,053, published Nov. 18, 1952.

Coffee. The Great Atlantic and Pacific Tea Company. 302,668, renewed Apr. 25, 1953. O. G. Feb. 10.

Coffee. The Great Atlantic and Pacific Tea Company. 302,671, renewed Apr. 25, 1953. O. G. Feb. 10.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Coffee, Southland Coffee Company, 570,061, Feb. 10; Serial No. 538,170, published Nov. 11, 1952.
 Coffees, Sanka Coffee Corporation, 299,962, Jan. 3, 1953. Amended, O. G. Feb. 10.
 Dairy products, Simpson Bros., Inc. 300,487, renewed Jan. 24, 1953, O. G. Feb. 10.
 Eggs, Broken, Transin Egg Products Co. 299,945, renewed Jan. 3, 1953, O. G. Feb. 10.
 Feed, Poultry, dairy, and stock, General Mills, Inc. 302,325, renewed Apr. 11, 1953, O. G. Feb. 10.
 Feed, Stock, and poultry feed and pancake and waffle flour, Centennial Flouring Mills Company, 299,563, renewed Dec. 13, 1952, O. G. Feb. 10.
 Flavoring extracts, Flavor Corporation of America, 570,448, Feb. 10; Serial No. 535,015.
 Fruit, Fresh citrus, and vegetables, Vale Mayes & Co. 570,162, Feb. 10; Serial No. 608,872, published Nov. 11, 1952.
 Fruits and vegetables, Fresh, Crews Fruit Company, 570,096-7, Feb. 10; Serial Nos. 585,433-4, published Nov. 18, 1952.
 Fungal enzyme supplementing preparation for use in baking, Wallerstein Company, Inc. 570,380, Feb. 10; Serial No. 626,971, published Oct. 28, 1952.
 Ice cream, sherbets and ices, Langensfeld Ice Cream Company, 570,285, Feb. 10; Serial No. 621,673, published Nov. 18, 1952.
 Jelly, Fruit, Corn Products Refining Company, 90,171, renewed Feb. 11, 1953, O. G. Feb. 10.
 Marshmallow cream, The Cream Mfg. Co. 570,354, Feb. 10; Serial No. 626,657, published Nov. 11, 1952.
 Milk, Fluid, fluid buttermilk, fluid cream, etc., Embassy Dairy, Inc. 570,320, Feb. 10; Serial No. 624,782, published Nov. 11, 1952.
 Milk, Skimmed, Roberts Dairy Company, 570,362, Feb. 10; Serial No. 627,066, published Oct. 28, 1952.
 Oranges, lemons, grape-fruit, etc., Winter Haven Citrus Growers Association, 91,147, re-renewed Apr. 15, 1953, O. G. Feb. 10.
 Potatoes, Cut, processed, and ready peeled, Redi-Spuds Incorporated, 570,458, Feb. 10; Serial No. 599,899.
 Poultry, Frozen and fresh dressed, J. H. Knowles, 570,086, Feb. 10; Serial No. 572,810, published Nov. 11, 1952.
 Preserves, jams, jellies, etc., Berry, The P5gm Co. 570,284, Feb. 10; Serial No. 621,576, published Nov. 18, 1952.
 Relish, J. Ossola Co. Inc. 570,131, Feb. 10; Serial No. 598,750, published Nov. 11, 1952.
 Sauce for spaghetti, steaks, etc., J. (D.) Papalexia, 570,124, Feb. 10; Serial No. 596,114, published Nov. 11, 1952.
 Sausages, kippered herring, and cheese and crackers, Vaca Foods, Inc. 570,218, Feb. 10; Serial No. 615,867, published Nov. 11, 1952.
 Spaghetti and sauce, The Maestri Co., Inc. 570,299, Feb. 10; Serial No. 623,550, published Nov. 18, 1952.
 Tomatoes, Fresh, Half Moon Fruit & Produce Co. 570,364, Feb. 10; Serial No. 627,129, published Nov. 18, 1952.
 Vegetables, Fresh, Van De Walle & Sons, 570,411, Feb. 10; Serial No. 631,029, published Nov. 18, 1952.

CLASS 47

Wine, G. Breuer, 570,370, Feb. 10; Serial No. 627,299, published Nov. 4, 1952.
 Wine, Aperitif, Juillard Fancy Foods Co. 570,334, Feb. 10; Serial No. 625,477, published Oct. 28, 1952.
 Wine, Port, De La Salle Institute, 570,230, Feb. 10; Serial No. 617,236, published Nov. 4, 1952.
 Wines, California Cellars, 570,112, Feb. 10; Serial No. 592,071, published Nov. 11, 1952.
 Wines, Cella Brothers, Inc. 316,153, Aug. 14, 1934, Re-published Feb. 10.
 Wines, Colin Forbes & Co. 570,335, Feb. 10; Serial No. 625,564, published Nov. 18, 1952.
 Wines, B. R. Flridolf, 570,058, Feb. 10; Serial No. 514,324, published Nov. 4, 1952.
 Wines, Mij, "De Betuwe" N. V. 570,275, Feb. 10; Serial No. 620,926, published Oct. 28, 1952.
 Wines, Vintage Wines, Inc. 570,380, Feb. 10; Serial No. 627,851, published Nov. 4, 1952.

CLASS 48

Ale, Brewing Corporation of America, 570,202, Feb. 10; Serial No. 614,749, published Oct. 28, 1952.
 Ale and porter, Molson's Brewery Limited, 570,348, Feb. 10; Serial No. 626,399, published Oct. 28, 1952.
 Ale and porter, Molson's Brewery Limited, 570,349, Feb. 10; Serial No. 626,401, published Oct. 28, 1952.
 Beer, Grisedeck Western Brewery Company, 570,222, Feb. 10; Serial No. 616,171, published Nov. 18, 1952.
 Corn product used in the manufacture of alcoholic malt-beverages, Flaked, Chas. A. Krause Milling Co. 570,196, Feb. 10; Serial No. 613,297, published Oct. 28, 1952.

CLASS 49

Brandy, Armagnac, D. M. J. V. P. de Montesquieu-Fesensac, 570,165, Feb. 10; Serial No. 609,122, published Nov. 4, 1952.

Brandy, Armagnac, D. M. J. V. P. de Montesquieu-Fesensac, 570,317, Feb. 10; Serial No. 624,640, published Nov. 4, 1952.
 Brandy, creme de menthe, kummel, etc., College Inn Food Products Company, 570,209, Feb. 10; Serial No. 615,159, published Nov. 18, 1952.
 Cordials and liqueurs, Alcoholic, Arrow Liqueurs Corporation, 570,125, Feb. 10; Serial No. 596,706, published Nov. 4, 1952.
 Gin, Distilled, Siboney Distilling Corporation, 347,755, July 6, 1937, Republished Feb. 10.
 Vodka, G. F. Heublein & Bro., Inc. 570,329, Feb. 10; Serial No. 625,202, published Oct. 28, 1952.
 Whiskey, II & H Distributing Company, Inc. 570,183, Feb. 10; Serial No. 611,358, published Oct. 28, 1952.
 Whiskey, gin, rum, etc., General Distillers Corporation of Kentucky, 570,060, Feb. 10; Serial No. 535,841, published Nov. 18, 1952.
 Whisky, Scotch, Colin Forbes & Co. 570,336, Feb. 10; Serial No. 625,565, published Nov. 18, 1952.

CLASS 50

Advertising signs, American Can Company, 298,758, renewed Nov. 8, 1952, O. G. Feb. 10.
 Bottle caps, Oswego Falls Corporation, 299,780, renewed Dec. 20, 1952, O. G. Feb. 10.

CLASS 51

Bath salts, Elizabeth Arden Sales Corporation, 570,345-6, Feb. 10; Serial Nos. 626,138-9, published Oct. 14, 1952.
 Body deodorants, Jules Montanier, Inc. 570,137, Feb. 10; Serial No. 600,966, published Oct. 14, 1952.
 Cold wave solution, Gilda Audrey Products, Inc. 570,262, Feb. 10; Serial No. 619,326, published Oct. 14, 1952.
 Cologne, perfume, face powder, etc., G. E. Samar, 570,207, Feb. 10; Serial No. 615,136, published Oct. 14, 1952.
 Cologne, perfume, face powder, etc., G. E. Samar, 570,221, Feb. 10; Serial No. 616,132, published Oct. 14, 1952.
 Face creams, face and hand lotions, face powder, etc., Talcum Puff Co. Inc. 302,446, renewed Apr. 18, 1953, O. G. Feb. 10.
 Hair waving lotion, The Kanco Company, 570,453, Feb. 10; Serial No. 590,601.
 Make-up preparation, Liquid, Campana Corporation, 570,197, Feb. 10; Serial No. 613,500, published Oct. 14, 1952.
 Natural and synthetic essential oils and aromatic chemicals, Firmenich, Incorporated, 570,237, Feb. 10; Serial No. 617,605, published Oct. 14, 1952.
 Natural and synthetic essential oils and aromatic chemicals, Firmenich, Incorporated, 570,238-40, Feb. 10; Serial Nos. 617,611-13, published Oct. 14, 1952.
 Natural and synthetic essential oils and aromatic chemicals, Firmenich, Incorporated, 570,241, Feb. 10; Serial No. 617,615, published Oct. 14, 1952.
 Natural and synthetic essential oils and aromatic chemicals, Firmenich, Incorporated, 570,242, Feb. 10; Serial No. 617,617, published Oct. 14, 1952.
 Perfume, Parfums Giro, Inc. 570,367, Feb. 10; Serial No. 627,274, published Oct. 14, 1952.
 Perfume, toilet water, eau de cologne, etc., Maurice Blanchet Parfums de Luxe Societe Anonyme, 570,081, Feb. 10; Serial No. 599,720, published Oct. 14, 1952.
 Perfumes, perfume essences, and toilet water, Exclusive Import Company, Inc. 570,266, Feb. 10; Serial No. 619,613, published Oct. 14, 1952.
 Skin lotion, Donfield Company, Inc. 570,371, Feb. 10; Serial No. 627,307, published Oct. 14, 1952.
 Toilet preparations, perfumery, and cosmetics, Les Parfums de Dana, Inc. 423,843, Sept. 10, 1946, Re-published Feb. 10.
 Toiletory, Men's A. M. Berman, 570,468, Feb. 10; Serial No. 616,843.
 Waving lotion and a neutralizer, Sales Affiliates, Inc. 570,219, Feb. 10; Serial No. 616,052, published Oct. 14, 1952.

CLASS 52

Solvents, Phillips Manufacturing Company, 440,402, Aug. 31, 1948, Republished Feb. 10.

CLASS 100

General fraternal service, Sigma Delta Tau Society, 570,440, Feb. 10; Serial No. 553,221, published Nov. 18, 1952.
 Informational service, National Sprayer & Duster Association, 570,495, Feb. 10; Serial No. 590,176.
 Making engineering surveys, Koppers Company, Inc. 570,443, Feb. 10; Serial No. 623,714, published Nov. 18, 1952.

CLASS 101

Counseling on public relations policies and programs, etc., Flanley and Woodward, 570,494, Feb. 10; Serial No. 558,783.
 Selling advertising time on radio broadcasting stations, Keystone Broadcasting System, Inc. 570,441, Feb. 10; Serial No. 600,288, published Oct. 21, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 102

Insuring of purchasers of fire, marine, motor vehicle, etc., policies of insurance, etc., Fire Association of Philadelphia, 570,444, Feb. 10; Serial No. 628,083, published Nov. 11, 1952.

CLASS 103

Cleaning spark plugs, changing and repairing tires and tubes, etc., Union Oil Company of California, 570,439, Feb. 10; Serial No. 535,276, published Nov. 27, 1951.

CLASS 105

Transportation of persons, property, and mail, Lake Central Airlines, Inc. 570,442, Feb. 10; Serial No. 611,904, published Nov. 18, 1952.

CLASS 107

Entertainment services, Billy Rose, 570,438, Feb. 10; Serial No. 532,636, published Nov. 18, 1952.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Laterally flexible mine conveyor. Re. 23,618, Feb. 10.
Joy Manufacturing Company, assignee: See—
Joy, Joseph F.
Weller, Carl E., assignor to Weller Manufacturing Company, Easton, Pa. Electrical heating apparatus. Re. 23,619, Feb. 10.
Weller Manufacturing Company, assignee: See—
Weller, Carl E.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,165, Feb. 10.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,166, Feb. 10.
Germain's, Inc., assignee: See—
Lammerts, Walter E.
Jackson & Perkins Company, assignee: See—
Boerner, Eugene S.
Lammerts, Walter E., La Canada, assignor, by mesne assignments, to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,167, Feb. 10.

LIST OF DESIGN PATENTEES

American Seating Company, assignee: See—
Brulin, Laurence W., and Covey.
Beacon Plastics Corporation, assignee: See—
Sholkin, Joseph L.
Beckman, George G., assignor to Super Mold Corporation of California, Lodi, Calif. Tire. 168,775, Feb. 10.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expandible chain for a wrist watch bracelet or the like. 168,776, Feb. 10.
Borowits, David, Chicago, Ill. Electric lamp. 168,777, Feb. 10.
Borowits, David, Chicago, Ill. Electric lamp base. 168,778, Feb. 10.
Borowits, David, Chicago, Ill. Electric lamp base. 168,779, Feb. 10.
Borowits, David, Chicago, Ill. Electric lamp base. 168,780, Feb. 10.
Braun, Arthur C., Summit, N. J. Bead or similar article. 168,781, Feb. 10.
Brulin, Laurence W., New York, N. Y., and L. F. Covey, Darien, Conn., assignors to American Seating Company, Grand Rapids, Mich. Chair-desk. 168,782, Feb. 10.
Bruner, Marvin J., assignee: See—
Ritter, Saul.
Colotti, Rocco A., assignor to Victor Industries Corporation, Brooklyn, N. Y. Combined aerosol container and dispenser. 168,783, Feb. 10.
Congoleum-Nairn Inc., assignee: See—
Parke, Byron R., and Milwid.
Covey, Laird F.: See—
Brulin, Laurence W., and Covey.
Del Mas, Christy M., New York, N. Y. Cup. 168,784, Feb. 10.
Deaco Shoe Corp., assignee: See—
Eisenberg, Max.
Eisenberg, Max., New York, assignor to Deaco Shoe Corp., Long Island City, N. Y. Shoe or similar article. 168,785, Feb. 10.
Faslee Products, Inc., assignee: See—
O'Brien, Vincent R.
Feinstein, Morris A., Chicago, Ill. Brolter. 168,786, Feb. 10.
Florian, Gordon W., Fairfield, H. W. Streck, Bridgeport, and W. E. Kelsey, Jr., Fairfield, Conn. School desk. 168,787, Feb. 10.
Forsyth, George H., Chicago, Ill. Table tennis bat. 168,788, Feb. 10.
Foster Metal Products Incorporated, assignee: See—
Boots, William C.
Garson, Arthur, New York, N. Y. Brassiere. 168,789, Feb. 10.
Gelssier, Elmer H., Atlanta, Ga. Directional arrow. 168,790, Feb. 10.
Glitzer, Hugh J., San Francisco, Calif. Combination seat and table or similar article. 168,791, Feb. 10.
Hedgpeth, Theron L., Annapolis, Calif., assignor to C. Lynch, Kingman, Ariz. Automobile cooler. 168,792, Feb. 10.
Hedgpeth, Theron L., Annapolis, Calif., assignor to C. Lynch, Kingman, Ariz. Automobile cooler. 168,793, Feb. 10.
Helsay, A. H., & Company, assignee: See—
King, Horace.
Hubby, Lindsay L.: See—
Murray, Burton L., Tefft, and Hubby.
Illinois Watch Case Co., assignee: See—
Young, Frank W.
Jovanovich, Dragoljub K., Redondo Beach, assignor to McCulloch Motors Corporation, Los Angeles, Calif. Helicopter. 168,794, Feb. 10.
Kelsey, William E., Jr.: See—
Florian, Gordon W., Streck, and Kelsey.
King, Horace, Granville, assignor to A. H. Helsay & Company, Newark, Ohio. Glass comport or similar article. 168,795, Feb. 10.
Kinley, Frank W.: See—
Kinley, Richard H., and F. W.
Kinley, Richard H., and F. W., York, Pa. Stocking or similar article. 168,796, Feb. 10.
Klein, Benjamin, New York, N. Y. Blank for a map or similar article. 168,797, Feb. 10.
Lynch, Carl, assignee: See—
Hedgpeth, Theron L.
Manley, Inc., assignee: See—
Waas, Samuel M.
Martin, Leslie G., Rochester, N. Y., assignor to Stromberg-Carlson Company. Television cabinet. 168,798, Feb. 10.
Martin, Leslie G., Rochester, N. Y., assignor to Stromberg-Carlson Company. Television cabinet. 168,799, Feb. 10.
May, Cecil E., Hollywood, Calif. Bed headboard or similar article. 168,800, Feb. 10.
McCulloch Motors Corporation, assignee: See—
Jovanovich, Dragoljub K.
Milwid, Alben J.: See—
Parke, Byron R., and Milwid.
Murray, Burton L., Colton, R. A. Tefft, Beaumont, and L. L. Hubby, San Bernardino, Calif. Hobbyhorse. 168,801, Feb. 10.
Newman, Frederick H., Jr., Port Washington, and C. B. Stevens, assignors to Superdisplay Incorporated, Milwaukee, Wis. Melted butter dispenser. 168,802, Feb. 10.
O'Brien, Vincent R., assignor to Faslee Products, Inc., St. Paul, Minn. Sink spray. 168,803, Feb. 10.
Parke, Byron R., New York, N. Y., and A. J. Milwid, Bayonne, N. J., assignors to Congoleum-Nairn Inc. Linoleum rug or similar article. 168,804, Feb. 10.
Porter, Wayne R., Kansas City, Mo. Tall light fixture for automobiles. 168,805, Feb. 10.
Rearick, Ruth E., Miami, Fla. Lapel ornament or the like. 168,806, Feb. 10.
Ritter, Saul, assignor of one-half to M. J. Bruner, New York, N. Y. Expandible bracelet. 168,808, Feb. 10.
Reuther, Harold H., Wyomissing, Pa. Self-propelled toy boat. 168,807, Feb. 10.
Sanisco Display Company, The, assignee: See—
Vetter, Gerhard J.
Sapirstein, Mary, Bronx, N. Y. Wall pocket or the like. 168,809, Feb. 10.
Sholkin, Joseph L., Newton, Mass., assignor to Beacon Plastics Corporation. Egg container for refrigerators. 168,810, Feb. 10.
Steig, William, New York, N. Y. Gaming device. 168,811, Feb. 10.

LIST OF DESIGN PATENTEES

Stevens, Clifford B.: *See*—
Newman, Frederick H., Jr., and Stevens.
Streck, Harry W.: *See*—
Florian, Gordon W., Streck, and Kelsey.
Stromberg-Carlson Company, assignee: *See*—
Martin, Leslie G.
Superdisplay Incorporated, assignee: *See*—
Newman, Frederick H., Jr., and Stevens.
Super Mold Corporation of California, assignee: *See*—
Beckman, George O.
Tefft, Raymond A.: *See*—
Murray, Burton L., Tefft, and Hubby.
Ulrick, James K., Groesbeck, Ohio. Fluorescent lighting
fixture. 168,812, Feb. 10.
U. S. Diamond Ring Co., assignee: *See*—
Wertheimer, Leon, and Van Craeynest.

Van Craeynest, Roger J.: *See*—
Wertheimer, Leon, and Van Craeynest.
Vetter, Gerhard J., assignor to The Sanisco Display Com-
pany, Milwaukee, Wis. Merchandise display stand.
168,813, Feb. 10.
Victor Industries Corporation, assignee: *See*—
Colotti, Rocco A.
Waas, Samuel M., assignor to Manley, Inc., Kansas City,
Mo. Popcorn machine. 168,814, Feb. 10.
Wertheimer, Leon, and R. J. Van Craeynest, San Francisco,
Calif., assignors to U. S. Diamond Ring Co., New York,
N. Y. Link. 168,815, Feb. 10.
Young, Frank W., East Orange, N. J., assignor to Illinois
Watch Case Co. Clasp for necklaces and the like.
168,816, Feb. 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A P Controls Corporation, assignee: *See*—
McCarty, Lourdes V., and Vicensi.
Abrams, Victor R., assignor to Geo. D. Roper Corporation,
Rockford, Ill. Grid port structure for gas burners.
2,627,910, Feb. 10.
Acton, Russell D., Chicago, Ill. Gauge means for im-
plements. 2,627,797, Feb. 10.
Adair, Keith M., Eugene, Oreg. Drain and flush valve.
2,627,871, Feb. 10.
Advance Solvents & Chemical Corporation, assignee:
See—
Mack, Gerry P., and Parker.
Advance Transformer Co., assignee: *See*—
Dahl, Robert E.
Agriculture, United States of America as represented by
the Secretary of, assignee: *See*—
Campbell, Tod W., and Coppinger.
Lawrence, Ray V., and Eckhardt.
Air Reduction Company, Incorporated, assignee: *See*—
Tyner, Joseph M.
Ajax Thermostatic Controls Company, The, assignee:
See—
Schoenfeld, Henry F., and Smitbiser.
Aktiebolaget Separator, assignee: *See*—
Dahstedt, Per A.
Eckers, Carl G.
Staaff, Per H.
Albiseti, Charles J., Jr., assignor to E. I. du Pont de
Nemours & Company, Wilmington, Del. Preparation
of monomeric open-chain delta, epsilon-unsaturated
carbonyl compounds. 2,628,252, Feb. 10.
Allen, Mary S.: *See*—
Fitts, Edna, and Allen.
Allen, Scott E.: *See*—
Wilson, Forrest E., and Allen.
Allison, John R., and W. L. Blalock, assignors to Leffing-
well Chemical Company, Whittier, Calif. Lubricating
grease. 2,628,195, Feb. 10.
Allison, John R., and W. L. Blalock, assignors, by mesne
assignments, to Leffingwell Chemical Company, Whittier,
Calif. Soap useful for making lubricating greases.
2,628,202, Feb. 10.
Alquist, Francis N.: *See*—
Britton, Edgar C., Alquist, and Kauer.
Aluminum Company of America, assignee: *See*—
Templin, Richard L.
Amana Refrigeration, Inc., assignee: *See*—
Hafner, Oliver B.
Amberg, Walter E., Beverly Shores, Ind. Constant veloc-
ity shaft coupling. 2,627,733, Feb. 10.
Ambrose, C. M., Company, assignee: *See*—
Lamb, Harry.
American Hospital Supply Corporation, assignee: *See*—
Berner, Harry M.
American Optical Company, assignee: *See*—
Spialine, Edward M.
American Steel Foundries, assignee: *See*—
Simanek, Edward J.
American Viscose Corporation, assignee: *See*—
Walmsley, Leslie L., and Smith.
Ames, Stanley R., assignor, by mesne assignments, to
Eastman Kodak Company, Rochester, N. Y. Water-
soluble complex of vitamin E and plasma proteins.
2,628,227, Feb. 10.
Anderson, Fred A., Richmond Hill, N. Y., D. G. Blattner,
Mountain Lakes, N. J., and V. F. Miller, Plandome,
assignors to Bell Telephone Laboratories Incorporated,
New York, N. Y. Swaging pliers for electrical connec-
tions. 2,627,799, Feb. 10.
Anderson, Irwin L., Cleveland, Ohio. Adjustable support.
2,628,051, Feb. 10.
Anderson, John W., Baldoon, Shaw, via Blaney, New
South Wales, Australia. Portable hinged slat fence.
2,628,074, Feb. 10.
Anderson, Robert L., Garfield Heights, assignor to Jack &
Heintz, Inc., Cleveland, Ohio. Electric motor brake-
coupling assembly. 2,628,321, Feb. 10.
Anemostat Corporation of America, assignee: *See*—
Kurth, Franz J., Phillips, and Waeldner.
Antonelli, Bruno, Fall River, Mass. Round belt pliers.
2,627,655, Feb. 10.
Apel, Carl H., assignor to Pullman-Standard Car Manu-
facturing Company, Chicago, Ill. Railway vehicle
operator's seat. 2,627,897, Feb. 10.
Apex Accessories Co., Inc., assignee: *See*—
Pinson, Alfred.
Arbuckle, John Le B., Sunbury, assignor of one-half to
H. E. Grasbel, Oakhanna, Ohio. Combination pivoting
and sliding block firearm action. 2,627,687, Feb. 10.
Archer, Virjean C.: *See*—
Frohman, Stanley H., and Archer.
Armour Research Foundation of Illinois Institute of
Technology, assignee: *See*—
Camras, Marvin.
Aro Equipment Corporation, The, assignee: *See*—
Ointer, Charles W.
Arundale, Irving and Fred W. Banes, Westfield, N. J.,
assignors to Standard Oil Development Company.
Alkyl maleate-vinyl acetate copolymer. 2,628,198,
Feb. 10.
Arundale, Irving, and F. W. Banes, Westfield, N. J.,
assignors to Standard Oil Development Company.
Alkyl maleate-vinyl ester copolymer. 2,628,220, Feb. 10.
Ashton, Dennis, Birmingham, England, assignor to The
Timken Roller Bearing Company, Canton, Ohio. Roller
bearing. 2,628,137, Feb. 10.
Atlantic Refining Company, The, assignee: *See*—
Woods, John P.
Atlas Press Company, assignee: *See*—
Herder, Harry D., and Van Dam.
Auerbach, Zernach, New York, N. Y., assignor to The
Gillette Company. Blade packaging machine.
2,627,790, Feb. 10.
Austin, Harold S., Dallas, Tex. Stop mechanism for step-
by-step plungers. 2,627,757, Feb. 10.
Austin, Leslie W., San Jose, and J. D. Isaacs, Fontana,
Calif.; said Isaacs assignor to Kaiser Steel Corporation,
and said Austin assignor to Kaiser Aluminum & Chemi-
cal Corporation, Oakland, Calif. Refractory product.
2,628,088, Feb. 10.
Automatic Electric Laboratories, Inc., assignee: *See*—
Ostline, John E.
Automatic Washer Company, assignee: *See*—
Breckenridge, Frank.
Avco Manufacturing Corporation, assignee: *See*—
Bussard, Emmerly J. H.
Avila, Lawrence H., assignor to Avila Products Co.,
Oakland, Calif. Bed cover. 2,627,617, Feb. 10.
Avila Products Co., assignee: *See*—
Avila, Lawrence H.
Badger Meter Manufacturing Company, assignee: *See*—
Miller, Jacob C.
Baer, Robert L., Bloomfield, assignor to The Colonial Life
Insurance Company of America, East Orange, N. J.
Insurance calculator. 2,628,027, Feb. 10.
Baker, John B., assignor to The Timken Roller Bearing
Company, Canton, Ohio. Drill bit having groove with
hard metal cutter insert brazed therein. 2,628,072,
Feb. 10.
Baker, John B., assignor to The Timken Roller Bearing
Company, Canton, Ohio. Rotary percussion drill as-
sembly. 2,628,115, Feb. 10.
Bakke, Laurence D., Plymouth, assignor to Continental
Motors Corporation, Detroit, Mich. Internal-combus-
tion engine lubrication. 2,627,940, Feb. 10.
Balaguer, Rodolfo R., Union de Reyes, Cuba. Dry electric
battery. 2,628,261, Feb. 10.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Little, John J.
Banes, Fred W.: *See*—
Arundale, Irving, and Banes.
Banner, Robert O.: *See*—
Perrin, Tom S., and Banner.
Barber-Colman Company, assignee: *See*—
Crandall, Charles B., and Townsend.
Barber, Edmund A., Jr.: *See*—
Malmros, Gustav V. A., and Barber.
Malmros, Gustav V. A., Barber, and Engstrom.
Bardugon, Madeline M., Verona, N. J. Cosmetic applica-
tor. 2,627,621, Feb. 10.
Barker, Edward D., New Carlisle, Ohio. Mat for tents.
2,627,864, Feb. 10.
Barlow, Wallace D., Hyattsville, Md. Parking system for
vehicles. 2,627,920, Feb. 10.
Barnes, Frank A., Butte, Mont. Wallet. 2,627,886,
Feb. 10.
Barnett, Vaughn J., Charleston, W. Va. Cam operated
expanding wrench. 2,627,773, Feb. 10.
Barry, Arthur J., and J. W. Gilkey, assignors to Dow
Corning Corporation, Midland, Mich. Preparation of
organochlorosilanes. 2,628,243, Feb. 10.
Bartkowski, Bogumil W., Buffalo, N. Y. Bracelet mirror.
2,627,785, Feb. 10.

Bassett, Clifford S., executor: See—
Moyer, Charles L.
Batchelder, James W., Ascotney, Vt., assignor, by means assignments, to The Economy Engineering Company, Willoughby, Ohio. Automatically fed thread rolling machine. 2,627,767, Feb. 10.
Batsel, Cecil N., Santa Monica, Calif., assignor to Radio Corporation of America. Arc lamp carbon mechanism. 2,628,324, Feb. 10.
Bauerschmidt, Charles H., Rochester, N. Y. Automatic pin-setting machine. 2,628,098, Feb. 10.
Baumgardner, Ross: See—
Perry, Richard D., and Baumgardner.
Beach, Silas H., assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 2,627,935, Feb. 10.
Beattie, Horace S., Poughkeepsie, R. E. Page, Lagrange, and E. J. Rabenda, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Decimal point and comma printing mechanism. 2,627,606, Feb. 10.
Becker, Brony, New York, N. Y. Violin case cover. 2,627,887, Feb. 10.
Beebe, Bayard M., Little Silver, N. J. Golf grip device. 2,628,100, Feb. 10.
Behrens, Warren V.: See—
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.
Bell Telephone Laboratories, Incorporated, assignee: See—
Anderson, Fred A., Blattner, and Miller.
McKim, Burton.
Potter, James A.
Waddell, John H.
Bell, Walter O., Cumberland, Md. Billiard cue chalking means. 2,628,096, Feb. 10.
Bendall, Wilfrid H., New York, N. Y. Power transmission chain. 2,627,758, Feb. 10.
Benditt, Albert: See—
Mussner, Clarence W., and Benditt.
Bendix Aviation Corporation, assignee: See—
Holmes, Bradford B.
Benedict, Hanson, Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Rectification of gaseous mixtures. 2,627,731, Feb. 10.
Berggren, Nils, assignee: See—
Hansson, Karl J.
Bergstein, Robert M., Wyoming, Ohio. Producing cartons having metal tearing edges. 2,628,179, Feb. 10.
Berkelhamer, Louis H., Chicago, assignor to D. T. Siegel, Glencoe, Ill. Resistor. 2,628,300, Feb. 10.
Berkner, Hans O.: See—
Neugebauer, Franz J., Berkner, and Naumann.
Berner, Christian, Aktiebolag, assignee: See—
Ekström, Karl H. R., and Lundin.
Bernier, Harry M., Chicago, assignor to American Hospital Supply Corporation, Evanston, Ill. Bedside table structure. 2,628,147, Feb. 10.
Berthold, J. O., Co., The, assignee: See—
Berthold, John G., Jr.
Berthold, John G., Jr., Huntington, W. Va., assignor to The J. G. Berthold Co. Confectionery container. 2,628,189, Feb. 10.
Bethlehem Steel Company, assignee: See—
White, William E.
Binding, Kenneth W., Medford, assignor to Market Forge Company, Everett, Mass. Closure. 2,627,994, Feb. 10.
Binks, Melvin J., assignor to Republic Patent Corporation, Chicago, Ill. Electrically actuated ball lift for use in marble pin games. 2,628,102, Feb. 10.
Blitney, Dewey H., assignor to Union Steel Products Company, Abilene, Mich. Rack for ice cubes and other trays. 2,627,941, Feb. 10.
Black-Clawson Company, The, assignee: See—
Stage, Stephen A.
Black, James J., Cincinnati, Ohio, assignor, by means assignments, to Trallmobile Inc. Two-wheel dump trailer. 2,628,126, Feb. 10.
Blakeslee, Clinton A., assignor to The Bristol Company, Waterbury, Conn. Multiple-point measuring instrument. 2,628,140, Feb. 10.
Blalock, William L.: See—
Allison, John R., and Blalock.
Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Combination sound recording and record. 2,628,288, Feb. 10.
Blattner, David G.: See—
Anderson, Fred A., Blattner, and Miller.
Bliss, Robert H., Mount Carmel, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa. Preventing pollution of streams. 2,628,165, Feb. 10.
Blood, Leland C., Plymouth, assignor to Michigan Powdered Metal Products Company, Northville, Mich. Porous chambered bearing. 2,628,138, Feb. 10.
Boedeker, Walter U., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Fluid pressure impact device. 2,627,846, Feb. 10.
Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Motor-driven stock feed. 2,627,648, Feb. 10.
Boley, James H., and C. B. Williams, Jr., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for pressing curved laminated safety glass. 2,628,177, Feb. 10.
Bolton, Lester A., Jr.: See—
Rogers, Wayne C., and Bolton.
Bone, Arnold R., Needham, assignor to Dennison Manufacturing Company, Framingham, Mass. Machine for printing tickets, tags, cards, and the like. 2,627,804, Feb. 10.
Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Speed responsive device. 2,628,294, Feb. 10.
Boon, William B., and T. Leigh, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrimidine derivatives. 2,628,229, Feb. 10.
Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Mono-N-tertiary-alkylmelamines. 2,628,234, Feb. 10.
Bothe, Edward F., Union City, N. J. Flush valve. 2,627,873, Feb. 10.
Boyd, Burdett R., St. Paul, Minn. Illuminating means for car door locks. 2,628,304, Feb. 10.
Bradbury, James G., assignor to Hays Manufacturing Company, Erie, Pa. Tamperproof plug valve. 2,628,058, Feb. 10.
Brafman, Harold E., assignor to Sprague Electric Company, North Adams, Mass. Molded electrolytic capacitor. 2,628,271, Feb. 10.
Brakeman, Roy E.: See—
Danner, Frederic M., and Brakeman.
Brandes, Ernest E., Madison, Wis. Heat dispersing apparatus. 2,627,800, Feb. 10.
Breckenridge, Frank, assignor to Automatic Washer Company, Newton, Iowa. Locking device for retractable tub washers. 2,628,148, Feb. 10.
Brehm, Charles M., assignor to The Steel Products Engineering Company, Springfield, Ohio. Tube cutting die. 2,627,921, Feb. 10.
Bress, Myer, assignor to Marlin Electric Company, Chicago, Ill. Fishing line and plug retriever. 2,627,891, Feb. 10.
Bridges, Jack E., Chicago, Ill., assignor to Zenith Radio Corporation. Television apparatus. 2,628,326, Feb. 10.
Bristol Company, The, assignee: See—
Blakeslee, Clinton A.
Maltby, Frederick L.
Titus, Robert M.
Bristol, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,627,740, Feb. 10.
British Vacuum Cleaner and Engineering Company Limited, The, assignee: See—
Brown, Ivan G. O.
Britton, Edgar C.: See—
Sexton, Arthur R., and Britton.
Britton, Edgar C., F. N. Alquist, and K. C. Kaner, assignors to The Dow Chemical Company, Midland, Mich. Catalyzed and continuous addition chlorination of benzene. 2,628,260, Feb. 10.
Broady, Paul A., Greenville, S. C. Liquid fuel burner of the retort vaporizing type. 2,627,908, Feb. 10.
Broido, Daniel, Barnet, England. Transfer mechanism for calculating machines. 2,628,020, Feb. 10.
Brooks, Thomas E., assignor to Lisle Corporation, Cicinda, Iowa. Brake cylinder hone. 2,627,107, Feb. 10.
Brown, Horace A., assignor to Hardsoc Pneumatic Tool Company, Ottumwa, Iowa. Swivel type air inlet and throttle valve. 2,628,061, Feb. 10.
Brown, Ivan G. O., Yale, assignor to The British Vacuum Cleaner and Engineering Company Limited, Leatherhead, England. Ribbon progressing and reversing device. 2,627,965, Feb. 10.
Brown, Robert A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie clasp. 2,627,836, Feb. 10.
Brown and Sharpe Manufacturing Company, assignee: See—
Holmes, Ossian G.
Bruner, George W., assignor, by means assignments, to A. Vonnegut, Indianapolis, Ind. Sander head. 2,627,703, Feb. 10.
Bruno, Anthony J., Jr., assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Esterification process. 2,628,249, Feb. 10.
Bryant, Austin U.: See—
Grove, Marvin H., and Bryant.
Buckman, Thomas P.: See—
Degnan, Leah L., and Buckman.
Budd Company, The, assignee: See—
Dean, Albert G.
Budd, Wilbert H., assignor to Chicago Telephone Supply Corporation, Elkhart, Ind. Variable resistance device. 2,628,298, Feb. 10.
Buechler, Francis P., Ferdinand, Ind. Flexible roof ladder. 2,628,011, Feb. 10.
Buhler, Eugen, Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Rotary selective printer. 2,627,807, Feb. 10.
Bull, Arthur W., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Tire tread having adjustable traction device. 2,627,888, Feb. 10.
Bolla, James J., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Quick detachable connector for interconnecting terminals. 2,628,263, Feb. 10.

Bunce, Alan, Stamford, Conn. Detachable sheaf for instrument boards of automobiles. 2,628,140, Feb. 10.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Controllable load transfer hitch for tractors. 2,627,799, Feb. 10.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Constant pressure hydraulic power transmitting system. 2,627,815, Feb. 10.
Buono, Mario, assignor to U. S. Blind Stitch Machine Corp., New York, N. Y. Sewing machine. 2,627,828, Feb. 10.
Burdick, Charles A., Kenosha, Wis. Micrometer caliper. 2,627,683, Feb. 10.
Burkhardt, William H., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Magnetic tape error control. 2,628,346, Feb. 10.
Burdry Engineering Company, Inc., assignee: See—
Matthysse, Irving F.
Burnett, Robert E., and B. W. Nordlander, Schenectady, N. Y., assignors to General Electric Company. Oxygenated polymerizable acrylic acid type esters and preparing and polymerizing the same. 2,628,178, Feb. 10.
Burns, Walter M., assignor to R. T. Moloney, Chicago, Ill. Coin control. 2,627,961, Feb. 10.
Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: See—
Hitchings, George H., and Eillon.
Hitchings, George H., and Falco.
Buske, Gilbert E., Anson Township, Chippewa County, assignor to National Pressure Cooker Company, Eau Claire, Wis. Throttle control for outboard motors. 2,627,836, Feb. 10.
Bussard, Emory J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Oscillator. 2,628,314, Feb. 10.
Bussie, Warren F., and H. R. Davidson, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Sulfolanes as dielectric material. 2,628,265, Feb. 10.
Buus, Harold W.: See—
Stearns, Roswell H., and Buus.
C. A. Constant Card, assignee: See—
Castell, Augustin M.
C-O-Two Fire Equipment Company, assignee: See—
Wilson, Forrest E., and Allen.
Cairns, Theodore L., Newark, and J. C. Sauer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl dialkylaminohydrocarbon-amides. 2,628,224, Feb. 10.
California Research Corporation, assignee: See—
Metteson, Robert.
Campbell, John, Tonawanda, N. Y. Suction box. 2,627,789, Feb. 10.
Campbell, Tod W., Orinda, and G. M. Coppinger, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of aromatic aldehydes. 2,628,256, Feb. 10.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electromagnetic transducer head. 2,628,263, Feb. 10.
Candor, Robert R., assignor to General Motors Corporation, Dayton, Ohio. Combined drier and room dehumidifier. 2,627,669, Feb. 10.
Carhart, Homer W.: See—
Stokes, Arthur J., and Carhart.
Carlson, Goodwin A., Slayton, Minn. Gasoline hammer. 2,627,849, Feb. 10.
Carpenter, Albert R.: See—
Cochrane, Stanley, and Carpenter.
Cassell, Sidney L., New York, N. Y. Lady's handbag. 2,627,885, Feb. 10.
Castell, Augustin M., Barcelona, Spain, assignor to C. A. Constant Card, Carding method and apparatus. 2,627,631, Feb. 10.
Cattlin, John P., Fairfield, Conn., assignor, by means assignments, to United States of America as represented by the Secretary of the Navy. Igniter. 2,627,810, Feb. 10.
Cavlechioli, Mario, New York, N. Y. Dishwasher and article intercepting drawer therefor. 2,627,863, Feb. 10.
Celanese Corporation of America, assignee: See—
Rosen, Leonard J., Kruth, and White.
Chadeloid Corporation, assignee: See—
Deniston, George L.
Chamberlain, Harry E.: See—
Hooser, Horace W., and Chamberlain.
Chatten, Victor H., assignor to Sanitized Beaches, Inc., Torrance, Calif. Beach cleaning machine. 2,627,712, Feb. 10.
Chaves, Joseph, Newport, R. I. Loading mechanism for tractors. 2,627,989, Feb. 10.
Cheesman, Theodore A.: See—
Sathre, Curtis J., and Cheesman.
Chicago Railway Equipment Company, assignee: See—
Spaeth, Irvin J.
Chicago Show Printing Company, assignee: See—
Leander, Russell J.
Chicago Telephone Supply Corporation, assignee: See—
Budd, Wilbert H.
Chicopee Manufacturing Corporation, assignee: See—
Simon, Simon A., and Drelich.
Christian, Frank M., Ventura, Calif. Vehicle intermittent combustion type power plant. 2,627,716, Feb. 10.
Cifa, James W., Sloan, assignor to Fedders-Quiglan Corporation, Buffalo, N. Y. Supporting platform for window type room air conditioners. 2,628,032, Feb. 10.
City Tank Corporation, assignee: See—
Thomas, Lawrence S., and Edwards.
Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon compositions. 2,628,242, Feb. 10.
Clark, John R., Stratford, and C. Schultz, Milford, Conn., assignors, by means assignments, to the United States of America as represented by the Secretary of the Navy. Power boost control system with mechanical feel means therefor. 2,627,847, Feb. 10.
Clark, Paul B., Houston, Tex. Well pipe expander. 2,627,891, Feb. 10.
Cochrane, Stanley, Rose Lake, and A. R. Carpenter, Cataldo, assignors of one-third to A. E. Lunden, Coeur d'Alene, Idaho. Hydraulic operator for winches. 2,627,725, Feb. 10.
Colby Steel & Manufacturing, Inc., assignee: See—
Senn, Arthur L., Gould, Evensen, and Senn.
Colin Stewart Limited, assignee: See—
Henderson, Sidney G.
Collins, Frank W., and W. L. Dietrich, Windsor, Conn. Railway tie plate lifter. 2,628,122, Feb. 10.
Colonial Life Insurance Company of America, The, assignee: See—
Baer, Robert L.
Container Corporation of America, assignee: See—
Goldsholl, Morton.
Continental Motors Corporation, assignee: See—
Bakke, Laurence D.
Dittmer, Raymond A.
Cook, Robert F., Jr., Tulsa, Okla. Wire stripper. 2,627,768, Feb. 10.
Cook, Wayne S., Grand Rapids, Mich., assignor to Sackner Products, Inc. Edge roll for upholstered furniture. 2,627,902, Feb. 10.
Counradt, Harry L., Woodbury, B. W. Rope, Mullica Hill, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Fluorine-containing lubricant. 2,628,196, Feb. 10.
Cooper, John, Franklin, La. Gunstock assembly for firearms. 2,627,688, Feb. 10.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing amino acetals. 2,628,254, Feb. 10.
Copping, Bruce G., Cuyahoga Falls, Ohio, assignor to Don Manufacturing Company, Chicago, Ill. Automatic thermostat control device. 2,628,032, Feb. 10.
Coppinger, Galvin M.: See—
Campbell, Tod W., and Coppinger.
Corning Glass Works, assignee: See—
Stokey, Stanley D.
Cottrell, Herbert T., Vancouver, British Columbia, Canada. Pivotal joint for steering parts on vehicles having independent front wheel suspension. 2,628,109, Feb. 10.
Courtright, Earnest: See—
Emery, William R., and Courtright.
Crampton, Basil R., Rockford, Mich. Flush tank lever. 2,627,807, Feb. 10.
Crandall, Charles B., and F. L. Townsend, Loves Park, assignors to Barber-Colman Company, Rockford, Ill. Universal heddle barker for warp drawing machines. 2,627,643, Feb. 10.
Crile, Vaughn L., Washington, Pa. Bearing mounting. 2,627,626, Feb. 10.
Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkaryl sulfonate detergent compositions, including a method of controlling the sodium sulfate content thereof. 2,628,200, Feb. 10.
Crumrine, Kenneth C., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Subsurface prospecting. 2,628,315, Feb. 10.
Cruthley, Douglas, assignee: See—
Teall, Oliver E.
Cuddeback, Nelson C., Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio. Illuminating means for tank type suction cleaners. 2,628,303, Feb. 10.
Curtis, Paul A., Lakeland, Fla. Floating thickener. 2,627,978, Feb. 10.
Curtiss-Wright Corporation, assignee: See—
Cutler, Roswell E.
Mergen, Joseph M.
Cushman, Walton W., Webb City, Mo. Throttle system and method. 2,627,861, Feb. 10.
Cutler-Hammer, Inc., assignee: See—
Boedeker, Walter U.
Jones, Jesse E.
Cutler, Roswell E., Paterson, N. J., assignor to Curtiss-Wright Corporation. Air flow measuring apparatus. 2,628,086, Feb. 10.
Dahl, Robert E., Hinsdale, assignor of one-half to Advance Transformer Co., Chicago, Ill. Welding head. 2,628,301, Feb. 10.
Dahstedt, Per Ake, Grondal, assignor to Aktiebolaget Separator, Stockholm, Sweden. Regulation of the fat content of milk products. 2,628,023, Feb. 10.
D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Ion-exchange resins. 2,628,193, Feb. 10.
Dance, Eldred L.: See—
Dirstine, Philip H., and Dance.

Daniels, Ervie H., Frazee, Minn. Device for removing snow. 2,627,679, Feb. 10.
 Dausiger, Manfred, Newark, N. J. Extensible cake pan. 2,627,801, Feb. 10.
 Darner, Frederic M., Shaker Heights, Ohio, and R. E. Brakeman, Gadsden, Ala., assignors to Republic Steel Corporation, Cleveland, Ohio. Apparatus for advancing plate material. 2,627,969, Feb. 10.
 Dart, Jack C.: See—
 Kirkbride, Chalmers G., and Dart.
 Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,627,950, Feb. 10.
 Davidson, Hugh R.: See—
 Busse, Warren F., and Davidson.
 Davis, Christopher A.: See—
 Lombard, Adrian A., Munley, Davis, and Wilkinson.
 Davis, Ernest W., River Forest, Ill. Lubricant pump. 2,627,814, Feb. 10.
 Davis, Ernest W., River Forest, Ill. Reciprocating pump with outlet valve having material cutting means. 2,627,818, Feb. 10.
 Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Closure, particularly closures for sand boxes of vehicles. 2,627,958, Feb. 10.
 Degnan, Leth L., and T. P. Buckman, Minneapolis, Minn. Reverse traverse drapery support. 2,627,915, Feb. 10.
 De Grandis, Joseph M., Macon, Ga. Waterproof plastic covered bust pad. 2,627,606, Feb. 10.
 Delamere & Williams Company, Limited, assignee: See—
 Williams, Victor G.
 De Laval Separator Company, The, assignee: See—
 Gilmore, Vincent J.
 De Laval Steam Turbine Company, assignee: See—
 Waller, Carl R.
 De Muth, John J., Burbank, Calif., assignor to Radio Corporation of America. Photoelectric cell coupling circuit. 2,628,316, Feb. 10.
 Deniston, George L., Dayton, Ohio, assignor to Chadeloid Corporation, Wilmington, Del. Stain filter compositions and pigmented fillers therefor. 2,628,206, Feb. 10.
 Denman, Earl W., Cranford, N. J. Humidifier. 2,628,084, Feb. 10.
 Dennison Manufacturing Company, assignee: See—
 Bone, Arnold R.
 Dental Perfection Company, assignee: See—
 Noyes, Stanley E., and Lochridge.
 De Renoux, Stanley L., Clayton, Mo. Kitchen utility stool. 2,628,146, Feb. 10.
 Detroit Lubricator Company, assignee: See—
 Dillman, Earnest J.
 Detroit Steel Products Company, assignee: See—
 Kelly, Clyde W.
 Dexter, Carl J., Battle Ground, Ind. Liquid dispensing cap. 2,627,735, Feb. 10.
 Diamond Alkali Company, assignee: See—
 Perrin, Tom S., and Banner.
 Dieterich Products Corporation, assignee: See—
 Dieterich, Richard E.
 Dieterich, Richard E., Long Beach, assignor to Dieterich Products Corporation, Michigan City, Ind. Vehicle windshield shade. 2,628,124, Feb. 10.
 Dietrich, Walter L.: See—
 Collins, Frank W., and Dietrich.
 Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Flow switch. 2,628,206, Feb. 10.
 Diotti, Giacinto, Torricella, Italy. Excavating and earth scattering machine. 2,627,681, Feb. 10.
 Distine, Philip H., Saratoga, and E. L. Dance, Pittsburg, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making vinylidene chloride and vinyl chloride. 2,628,259, Feb. 10.
 Dittmer, Raymond A., Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Carburetor. 2,627,852, Feb. 10.
 Dixon, Victor V., Lebanon, Oreg. Wrapper crimping apparatus. 2,627,711, Feb. 10.
 Don manufacturing Company, assignee: See—
 Copping, Bruce G.
 Donaldson Company, Inc., assignee: See—
 Beach, Silas H.
 Donovan, Marion, Saugatuck, Conn. Facial tissue. 2,627,974, Feb. 10.
 Dorner, Katherine, Philadelphia, Pa. Sanitary container. 2,627,996, Feb. 10.
 Dorsam, William J.: See—
 Paine, Louis A., and Dorsam.
 Dotson, Russell F., Atlanta, Ga. Fluid heater control apparatus. 2,628,033, Feb. 10.
 Dow Chemical Company, The, assignee: See—
 Britton, Edgar C., Alquist, and Kauer.
 Distine, Philip H., and Dance.
 Johnson, Julius E., Jr.
 Sexton, Arthur R., and Britton.
 Dow Corning Corporation, assignee: See—
 Barry, Arthur J., and Gilkey.
 Clark, Harold A.
 Hunter, Melvin J., and Rauner.
 Speler, John L., Jr.
 Dowdall, John F., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon acyl sulfonic acids. 2,628,253, Feb. 10.
 Downing, Donell F., Glen Ellyn, assignor to A. J. Gerrard & Company, Melrose Park, Ill. Anchor plate. 2,627,837, Feb. 10.
 Downward, Elwood W.: See—
 Schulte, Mike T., Litchy, and Downward.
 Drain, Herbert D., assignor to Walter E. Selek and Co., Chicago, Ill. Sink mounting. 2,627,609, Feb. 10.
 Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Danbury, Conn. Ultrasonic rail saw detector search unit. 2,628,335, Feb. 10.
 Drellich, Arthur H.: See—
 Simon, Simon A., and Drellich.
 Dross, Marrel E., Pleasantville, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Range and altitude calculator for use with echo ranging training equipment. 2,627,673, Feb. 10.
 Dubach, Lena E., Kansas City, Mo. Telescoping support for a tray having a tiltable head. 2,628,142, Feb. 10.
 Duffy, C. Hugh, assignee: See—
 Roberts, William C., and Duffy.
 Duffy, Owen E.: See—
 Roberts, William C., and Duffy.
 Duncan, Daniel D., Glendale, Calif. Machine for operating a piercer-carrying plunger both to piece and advance the work being operated on. 2,627,923, Feb. 10.
 Dupon Electric Manufacturing Company, assignee: See—
 Paine, Louis A., and Dorsam.
 Du Pont, E. I., de Nemours & Company, assignee: See—
 Albisetti, Charles J., Jr.
 Cairns, Theodore L., and Saner.
 Green, Larry Q.
 Magat, Eugene E.
 Marsh, Frank D.
 Meunier, Paul L., and Wygand.
 Overman, Joseph D.
 Pinkney, Paul S., and Wiley.
 Richards, John C.
 Stillmar, Frederic B.
 Eagle-Picher Company, The, assignee: See—
 Holmes, Odia L.
 Eastman Kodak Company, assignee: See—
 Ames, Stanley R.
 Eberle, Julian J., Wauwatosa, assignor to The Journal Company, Milwaukee, Wis. Loading conveyor. 2,627,960, Feb. 10.
 Eckers, Carl G., assignor of one-half to Aktiebolaget Separator, Stockholm, Sweden, and one-half to Imperial Chemical Industries, Limited, London, England. Recovering proteins from protein containing material. 2,628,002, Feb. 10.
 Eckhardt, Owen S.: See—
 Lawrence, Ray V., and Eckhardt.
 Economy Engineering Company, The, assignee: See—
 Batchelder, James W.
 Edds, William, assignee: See—
 Teall, Oliver E.
 Edelfelt, Ivan H., and D. E. Garr, Schenectady, N. Y., assignors to General Electric Company. Fuel metering system. 2,627,718, Feb. 10.
 Edgar, Charles C., Lawrence, Kans. Seal. 2,628,116, Feb. 10.
 Edward Valves, Inc., assignee: See—
 MacGregor, David.
 Edwards, Leo K., Piedmont, Calif. Toilet ball valve actuating linkage. 2,627,608, Feb. 10.
 Edwards, Thomas: See—
 Thomas, Lawrence S., and Edwards.
 Ellertsen, Adolph, Brooklyn, N. Y. Garter supporter. 2,627,639, Feb. 10.
 Ekeberg, Johan, Oslo, Norway. Sofa adapted to be converted into two superposed beds. 2,627,612, Feb. 10.
 Ekstrom, Karl H. R., and C. G. Ludin, Eskilstuna, assignors to Christian Berner Aktiebolag, Gothenburg, Sweden. Machine for sorting, according to color, differently colored bottles and similar objects. 2,627,975, Feb. 10.
 Elastic Stop Nut Corporation of America, assignee: See—
 Lindahl, Carl.
 Ellison, Gertrude B.: See—
 Hitchings, George H., and Ellison.
 Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Decimal point marker. 2,628,031, Feb. 10.
 Elliott, James P.: See—
 Hudgins, Peter D., and Elliott.
 Elliott, Leicester, Springfield, Ill. Fly-ash handling apparatus. 2,627,827, Feb. 10.
 Ellis-Foster Company, assignee: See—
 MacKenzie, Charles A., and Rust.
 Rust, John B.
 Emery, William R., and E. Courtright, Sheridan, Wyo. Lift attachment for farm tractors. 2,628,069, Feb. 10.
 Emhart Manufacturing Company, assignee: See—
 Jenett, Henry.
 Engineering & Research Corporation, assignee: See—
 Marchant, Lee L.
 Engstrom, John R.: See—
 Malmros, Gustav V. A., Barber, and Engstrom.
 Enyeart, Harold F.: See—
 Kaatz, Herbert W., and Enyeart.
 Esche, Kurt G., Chattanooga, Tenn., assignor, by means assignments, to Textile Machine Works, Wyoming, Pa. Carrier rod control mechanism for knitting machines. 2,627,737, Feb. 10.
 Escher, Ray E., Collingdale, Pa. Combined pipe plug receptacle and insulator. 2,628,264, Feb. 10.

Etchason, Paul T., and H. F. Jones, Fort Wayne, Ind., assignors to General Electric Company. Oxygenated polymerizable esters as cure accelerators and as copolymerizable materials. 2,628,210, Feb. 10.
 Etchen, Fred L., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Fabric cutter guard. 2,627,657, Feb. 10.
 Evensen, Carl: See—
 Senn, Arthur L., Gould, Evensen, and Senn.
 Fair, William F., Jr., Cranford, N. J., assignor to Koppers Company, Inc. Coating metal articles with bituminous materials. 2,628,173, Feb. 10.
 Falco, Elvira A.: See—
 Hitchings, George H., and Falco.
 Farley, Francis S., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,627,630, Feb. 10.
 Farley & Loetscher Mfg. Co., assignee: See—
 Loetscher, Fred R.
 Farr Company, assignee: See—
 Farr, Richard S.
 Farr, Richard S., assignor to Farr Company, Los Angeles, Calif. Fastening means for frame elements or the like. 2,627,948, Feb. 10.
 Fawcett, James M., Chicago, Ill. Railway rail fastener. 2,628,035, Feb. 10.
 Fawcett, Jack P., Los Angeles, Calif. Cup holder. 2,628,054, Feb. 10.
 Fechter, Harry B., Minneapolis, Minn. Radiator testing tank, including hydraulic lift system. 2,627,746, Feb. 10.
 Fedders-Quigan Corporation, assignee: See—
 Cira, James W.
 Felt and Tarrant Manufacturing Company, assignee: See—
 Turck, Joseph A. V.
 Fenton, Frank, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Making play balls. 2,627,892, Feb. 10.
 Ferguson, Harry, Inc., assignee: See—
 Bunting, Ernest V.
 Fernstrom, Herman, assignee: See—
 Hansson, Karl J.
 Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Making vane tracks for hydrodynamic machines. 2,627,650, Feb. 10.
 Fields, Ernest, New York, N. Y. Toy roundabout. 2,628,095, Feb. 10.
 Finch, Emory D., Atlanta, N. Y. Pencil point protector. 2,627,845, Feb. 10.
 Fincher, John L., assignor to Lufkin Foundry and Machine Company, Lufkin, Tex. Ball roller counterweight. 2,627,759, Feb. 10.
 Finkbeiner, Theodore, and C. Funk, Wakeeney, Kans. Clothesline trolley. 2,627,819, Feb. 10.
 Fisher Scientific Company, assignee: See—
 Reeder, William H.
 Flak, Charles F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing viscosity of uncured alkyl copolymer resinous mixtures and product. 2,628,209, Feb. 10.
 Flitts, Edna, Asheville, N. C., and M. S. Allen, Burlington, Vt. Yarn holder for manually knitting multicolored argyle socks. 2,628,042, Feb. 10.
 Flewelling, Edmund T., Ashburnham, Mass., assignor to Stromberg-Carlson Company. Means for improving frequency response of sound systems. 2,627,931, Feb. 10.
 Ford Motor Company, assignee: See—
 Haynes, Alex L., and Ravilio.
 Herder, Elmer A., and Norwood.
 Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Single-ply corrugated fabric and making the same. 2,627,644, Feb. 10.
 Foster, John C., Sr., assignor of one-half to O. B. Laird, Odessa, Tex. Fire alarm. 2,628,347, Feb. 10.
 Fox, Herman H., Passaic, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Alkali metal salts of laconitonylhydroxymethanesulfonic acid. 2,628,237, Feb. 10.
 Fredenhagen, Walter S., and M. S. Schmidt, Naperville, Ill. Apparatus for converting hard ice cream or frozen confections to a product of softer consistency. 2,628,082, Feb. 10.
 Freeman, John M.: See—
 Freeman, Percy F., Jr., and J. M.
 Freeman, Percy F., Jr., and J. M., Portland, Oreg. Hay baler. 2,627,714, Feb. 10.
 Frentzel, Herman C., Milwaukee, assignor to The Parker Pen Company, Janesville, Wis. Writing instrument. 2,627,843, Feb. 10.
 Friden Calculating Machine Co., Inc., assignee: See—
 Ellerbeck, Grant C.
 Taylor, Lawrence B.
 Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Magnetic transducer. 2,628,284, Feb. 10.
 Fritsinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Tape feeding and dispensing. 2,628,093, Feb. 10.
 Frohman, Stanley H., and V. C. Archer, assignors to Research Products Corporation, Madison, Wis. Making high viscosity products having petroleum oil base and product of such method. 2,627,938, Feb. 10.
 Frohman, Stanley H., and M. J. Shoemaker, assignors to Research Products Corporation, Madison, Wis. Medicinal mineral oil vehicle thickened with polyethylene. 2,628,187, Feb. 10.
 Fuller Manufacturing Company, assignee: See—
 Perkins, Charles M.
 Fuller, Revilo, Phoenix, Ariz. Leakproof irrigation valve. 2,628,056, Feb. 10.
 Funk, Chris: See—
 Finkbeiner, Theodore, and Funk.
 Gaddis, Lewis F., Kenmore, N. Y., assignor to W. H. Maier, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,628,089, Feb. 10.
 Gagen, Joseph W., Bronxville, N. Y. Nail lacquer bottle assembly, including brush wiper. 2,627,619, Feb. 10.
 Gagliano, Nicholas, Wauwatosa, Wis. Submersible amphibian landing craft. 2,627,832, Feb. 10.
 Gelsner, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Connection for electrically conducting films. 2,628,299, Feb. 10.
 Garber, Ray H., Minneapolis, Minn. Detachable ash tray for match packs. 2,627,971, Feb. 10.
 Gardner Board and Carton Co., The, assignee: See—
 Ringler, William A.
 Garnich, Emil, Egg Harbor City, N. J. Apparatus for fracturing blocks of green frangible material. 2,627,640, Feb. 10.
 Garr, Donald E.: See—
 Edelfelt, Ivan H., and Garr.
 Gaylord Container Corporation, assignee: See—
 Sapp, Junius E., Gillespie, and McKim.
 Gelling Industries Limited, assignee: See—
 Zubaty, Joseph.
 General Aniline & Film Corporation, assignee: See—
 Busse, Warren F., and Davidson.
 Copenhagen, John W.
 Sanders, Herbert L., and Mayhew.
 General Controls Co., assignee: See—
 Ray, William A.
 General Electric Company, assignee: See—
 Burnett, Robert E., and Nordlander.
 Edelfelt, Ivan H., and Garr.
 Etchason, Paul T., and Jones.
 Somerville, Gareth G.
 General Fluid Machinery Company, assignee: See—
 Johnston, Douglas.
 General Foods Corporation, assignee: See—
 Madsen, Herbert S.
 General Motors Corporation, assignee: See—
 Schweller, Sylvester M.
 Candor, Robert R.
 General Precision Laboratory Incorporated, assignee: See—
 Zaleski, John F.
 General Railway Signal Company, assignee: See—
 Hardwick, Barclay R.
 Gerner, Theodore C., Oklahoma City, Okla. Replacement bushing assembly. 2,627,732, Feb. 10.
 Gerrard, A. J., & Company, assignee: See—
 Downing, Donell F.
 Gets, Delmond L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Shear pin cut-out for stoker motors. 2,628,337, Feb. 10.
 Gilkey, John W.: See—
 Barry, Arthur J., and Gilkey.
 Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic actuator. 2,628,272, Feb. 10.
 Gillespie, Wilbur F.: See—
 Sapp, Junius E., Gillespie, and McKim.
 Gillette Company, The, assignee: See—
 Auerbach, Zernach.
 Gilliland, Roger L., Euclid, assignor to The Swartwout Company, Cleveland, Ohio. Sealed pressure responsive mechanism. 2,628,139, Feb. 10.
 Gillis, Joseph R., Kalamazoo, Mich. Method and apparatus for drying inks. 2,627,667, Feb. 10.
 Gilmore, Vincent J., Wappingers Falls, assignor to The De Laval Separator Company, New York, N. Y. Proportional pumping apparatus. 2,627,813, Feb. 10.
 Gilwood, Martin E., Hollis, assignor to The Permutit Company, New York, N. Y. Process of and apparatus for regenerating ion exchangers. 2,628,194, Feb. 10.
 Ginter, Charles W., assignor to The Aero Equipment Corporation, Bryan, Ohio. Lighting system for lubrication cabinets or the like. 2,627,837, Feb. 10.
 Goddard, Esther C., executrix: See—
 Goddard, Robert H.
 Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Venturi control for liquid flow. 2,627,876, Feb. 10.
 Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Means for cooling the blades of turbine rotors. 2,628,064, Feb. 10.
 Goldberg, Moses W., Upper Montclair, and S. Teitel, East Paterson, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Esters of di-aryl substituted acetic acids. 2,628,247, Feb. 10.

Goldsholl, Morton, Glencoe, assignor to Container Corporation of America, Chicago, Ill. Paperboard carton with cover. 2,628,012, Feb. 10.

Goldsmith, Hugo, assignor to Sport Products, Inc., Cincinnati, Ohio. Baseball mask. 2,627,602, Feb. 10.

Goodman, Noel, Detroit, Mich. Tension releasing device. 2,627,692, Feb. 10.

Goodman and Vandervieren Limited, assignee: See—Vandervieren, Almé A.

Gordon, Morris, New York, N. Y. Drapery. 2,627,918, Feb. 10.

Gosselin, Wilfred J., Methuen, assignor to U S Bobbin & Shuttle Company, Lawrence, Mass. Yarn take-up and tensioning device for hand-threaded weaving shuttles. 2,627,878, Feb. 10.

Gould, Charles D.: See—Senn, Arthur L., Gould, Evensen, and Senn.

Gould, Charles D., Cleveland, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission. Portable voltage supply for radiation counters. 2,628,338, Feb. 10.

Goulds Pumps, Inc., assignee: See—Mann, John.

Graham, Mann, John, and Shuster.

Graham, Maxim L.: See—Volkman, John E., and Graham.

Graham, William T., Amarillo, Tex. Clamp for vibrating shank plows. 2,627,798, Feb. 10.

Grashel, Hugh E., assignee: See—Arbuckle, John L.

Grauer, Carl T., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Shielded switch assembly. 2,628,297, Feb. 10.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for mixing materials. 2,628,204, Feb. 10.

Green, Edwin T., Cambridge, Mass. Engraving machine. 2,627,658, Feb. 10.

Green, Larry Q., New Castle County, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Solvent-soluble water-repellency compositions. 2,628,170, Feb. 10.

Green, Larry Q., New Castle County, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Solvent-soluble water-repellency compositions. 2,628,171, Feb. 10.

Greenberg, Elbert E., Cincinnati, Ohio. Stencil duplicating device. 2,627,808, Feb. 10.

Greenwood, Ivan A., Jr., Pleasantville, N. Y., assignor, by means assignments, to Librascope, Inc. Squaring device. 2,628,024, Feb. 10.

Grodoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Amplification system. 2,628,290, Feb. 10.

Grotefend, Alfred G. W., St. Paul, Minn. Folding chair. 2,627,899, Feb. 10.

Grove, Marvin H., Piedmont, and A. U. Bryant, Berkeley, Calif., assignors, by means assignments, to Grove Regulator Company. Fluid flow control apparatus. 2,627,870, Feb. 10.

Grove Regulator Company, assignee: See—Grove, Marvin H., and Bryant.

Gruen, Bengt H. E., Stockholm, Sweden. Recovery of spent liquors from the cooking of cellulose from raw material containing silica. 2,628,155, Feb. 10.

Gruen, Henry, New York, N. Y. Valved plumbing fitting. 2,627,872, Feb. 10.

Guardian Electric Manufacturing Co., assignee: See—Nelsen, Marvin G.

Gudze, George W., Philadelphia, Pa. Liquid applicator of the roller type. 2,627,620, Feb. 10.

Guggenheim, Daniel and Florence, Foundation, The, assignee: See—Goddard, Robert H.

Guldry, Adam: See—Mitchell, Samuel, and Guldry.

Gunderson, Norman R., Pasadena, Calif. Pictorial representation reproducing head. 2,628,150, Feb. 10.

Gunnels, Charles W., Jr., Quincy, Mass. Hydraulic shock absorber. 2,628,118, Feb. 10.

Gunter, Robert G., assignor to Kool-Breeze Awning Co., Salt Lake City, Utah. Ventilated metal awning. 2,627,634, Feb. 10.

Haberstroh, Herbert J., Bristol, Conn. Oil burner. 2,628,131, Feb. 10.

Hack, Nathan, Santa Monica, Calif., assignor to Hack Shoe Company, Detroit, Mich. Corrugated sole and heel tread for shoes. 2,627,676, Feb. 10.

Hack Shoe Company, assignee: See—Hack, Nathan.

Hafner, Oliver B., Cedar Rapids, assignor to Amana Refrigeration, Inc., Amana, Iowa. Freezer divider. 2,627,993, Feb. 10.

Hall, Cecil L., assignee: See—Thleman, John B.

Hall, Jesse B., Berwind, W. Va. Deactivating lamp disposal plant. 2,628,036, Feb. 10.

Haller, John, Detroit, Mich. Making chambered articles containing a movable element. 2,628,166, Feb. 10.

Handwerk, Erwin C., Lehigh, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Contacting solids and gases. 2,627,668, Feb. 10.

Handwerk, Erwin C., Lehigh, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Effecting indirect heat transfer. 2,628,077, Feb. 10.

Hanes, James W. E.: See—Williams, William J., and Hanes.

Hanson, Karl J., Satrabrona, assignor to N. Berggren, H. Fernstrom, and G. Ostlund, Vasteras, and S. Jansson, Malung, Sweden. Christmas tree holder. 2,628,046, Feb. 10.

Harbison-Walker Refractories Company, assignee: See—Lloyd, Thomas W., and Mason.

Hardsock Pneumatic Tool Company, assignee: See—Brown, Horace A.

Hardwick, Barclay R., Oays, Ill., assignor to General Railway Signal Company, Rochester, N. Y. Wall hanger for electrical devices. 2,628,050, Feb. 10.

Hargrave, Arthur P., assignor to Tot-Lines, Inc., Kirkland, Wash. Diaper pants. 2,627,859, Feb. 10.

Harney, William C.: See—Van Gilder, Carl F., and Harney.

Harris, Mecheil F., Kansas City, Mo. Hairpin spreading device. 2,627,860, Feb. 10.

Harris, Robert A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing condensers. 2,627,645, Feb. 10.

Hart, Eugene H., Middlebury, Conn. Heat-conducting fabric. 2,628,046, Feb. 10.

Hastings, Russell, Jr., Wellesley Hills, assignor to Lewis Shepard Company, Watertown, Mass. Lifting mechanism. 2,627,943, Feb. 10.

Hauer, Frank J., Dayton, Ohio. Carbon act form. 2,628,110, Feb. 10.

Hausam, Edward F., Normandy, Mo. Apparatus which facilitates the cleaning of Venetian blinds. 2,627,916, Feb. 10.

Hautau, Charles F., assignee: See—Hautau, Llewellyn A.

Hautau, Charles F.: See—Hautau, Llewellyn A., and C. F.

Hautau, Llewellyn A., assignor of one-half to C. F. Hautau, Detroit, Mich. Indexing machine. 2,627,647, Feb. 10.

Hautau, Llewellyn A., Detroit, and C. F. Hautau, Huntington Woods, Mich. Power-operated, predetermined-torque control socket wrench. 2,627,770, Feb. 10.

Hawes, Russell J., and F. M. Miller, Cranford, and R. H. Stephens, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Liquid fuel composition and making same. 2,628,189, Feb. 10.

Haynes, Alex L., Detroit, and V. G. Raviolo, assignors to Ford Motor Company, Dearborn, Mich. Radiator construction. 2,628,079, Feb. 10.

Haynes, Nathan M., Far Rockaway, N. Y. Magnetic recording apparatus. 2,628,287, Feb. 10.

Hays Corporation, The, assignee: See—Richardson, Robert D.

Hays Manufacturing Company, assignee: See—Bradbury, James G.

Hebard, Glen G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Self-aligned lubricating stuffing box. 2,628,112, Feb. 10.

Heck, Matthew D., assignor of one-half to V. L. Potter, Amarillo, Tex. Nut-ejector type socket wrench. 2,627,775, Feb. 10.

Helwig, Clifford C., Windsor, Ontario, Canada. Fireplace front. 2,627,914, Feb. 10.

Henderson, Sidney G., assignor to Colin Stewart Limited, Winsford, England. Coated sheet metal. 2,628,176, Feb. 10.

Henry, Earle O., assignor to R. T. Moloney, Chicago, Ill. Illuminated selector mechanism. 2,627,685, Feb. 10.

Henry, Robert S., Whistler, Ala. Vacuum well bucket. 2,627,926, Feb. 10.

Herder, Harry D., and W. L. Van Dam, assignors to Atlas Press Company, Kalamazoo, Mich. Universal motor mounting for machine tools. 2,628,047, Feb. 10.

Herlder, Elmer A., and S. E. Norwood, assignors to Ford Motor Company, Dearborn, Mich. Automobile seat construction. 2,627,894, Feb. 10.

Hickok Manufacturing Co., Inc., assignee: See—Brown, Robert A.

Higham, William W., Marion, Ohio, assignor, by means assignments, to Tecumseh Products Company, Tecumseh, Mich. Refrigerating apparatus. 2,628,016, Feb. 10.

Hill, Albert E., Tulsa, Okla. Automobile awning. 2,627,913, Feb. 10.

Himmel, Robert N., Collingswood, N. J., assignor to Radio Corporation of America. Electrical plug-in assembly. 2,628,270, Feb. 10.

Hirrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Lift plug valve. 2,628,059, Feb. 10.

Hirsch, Donald H.: See—Hoaglin, Raymond L., and Hirsch.

Hirshstein, Joseph, Cleveland, Ohio, assignor to R. R. Newman and M. P. Hirshstein. Nonlog flow control device. 2,627,619, Feb. 10.

Hirshstein, Mildred P., assignee: See—Hirshstein, Joseph.

Hitchings, George H., Tuckahoe, and G. B. Ellison, Bronxville, assignors to Rurroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 8-arylpurine derivatives and preparing same. 2,628,235, Feb. 10.

Hitchings, George H., Tuckahoe, and E. A. Falco, New Rochelle, assignors to Rurroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 5-benzyl-2,4-diamino-6-alkylpyrimidines and making the same. 2,628,236, Feb. 10.

Hoaglin, Raymond L., and D. H. Hirsch, South Charleston, W. Va., assignors to Union Carbide and Carbon corporation. Production of unsaturated aldehydes. 2,628,257, Feb. 10.

Hodell, Frederick G., Gates Mills, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio. Screw and cap. 2,627,778, Feb. 10.

Hoerner, Clarence F., Dayton, Ohio. Crankcase flapper. 2,627,862, Feb. 10.

Hoffmann-La Roche Inc., assignee: See—Fox, Herman H.

Goldberg, Moses W., and Teitel, Kimmel, Walter.

Hogensen, Emory N., Chicago, Ill. Folding bed. 2,627,615, Feb. 10.

Hogg, John A., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-2-phenethyl-6-substituted-cyclohexanone-3-compounds and preparing same. 2,628,248, Feb. 10.

Hohl, George I., East Orange, F. H. Weise, Cedar Grove, G. A. Rist, Newark, and J. M. Rist, East Orange, assignors to Processing Equipment Corporation, Freehold, N. J. Wrapping machine. 2,627,710, Feb. 10.

Holderlith, Clarence P., Kokomo, Ind. Water faucet. 2,628,057, Feb. 10.

Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Valve seat for dishwashers. 2,628,063, Feb. 10.

Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Demand regulator. 2,627,866, Feb. 10.

Holmes, Odie L., Waco, Tex., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Demonstration device. 2,627,678, Feb. 10.

Holmes, Ossian G., Riverside, assignor to Brown and Sharpe Manufacturing Company, Providence, R. I. Automatic screw and similar machine. 2,627,618, Feb. 10.

Homrighous, John H., Oak Park, Ill. Multiplex television system. 2,628,274, Feb. 10.

Hooker, Donald E., Skokie, assignor to R. T. Moloney, Chicago, Ill. Electromagnetic stepping mechanism. 2,627,755, Feb. 10.

Hooker, Donald E., Skokie, assignor to R. T. Moloney, Chicago, Ill. Indexing mechanism. 2,627,945, Feb. 10.

Hoover Company, The, assignee: See—Cuddeback, Nelson C.

Humphrey, Warren A.

Hopkins, Ethan C., Arlington, Mass. Apparatus for making rotors for induction motors. 2,627,765, Feb. 10.

Hopkins, William B., assignee: See—Stevenson, William A.

Horne, Leonard K., Rome, Ga. Tape cleaner for cotton spinning machines. 2,627,715, Feb. 10.

Hoerner, Horace W., and H. E. Chamberlain, Belmont, Calif. Additive proportioner for fluid lines. 2,628,129, Feb. 10.

Houdry Process Corporation, assignee: See—Kirkbride, Chalmers G., and Dart.

Houlis, Louis D., assignee: See—Hurley, Leonard A., and Lucas.

Houtte, Ralph J., North Andover, and R. E. Schwarzenberg, Methuen, Mass. Band saw and guide therefor. 2,627,881, Feb. 10.

Howard, Thomas P.: See—Knobel, Max, and Howard.

Hubbard, Frank H., Indianapolis, Ind. Dough laminating apparatus. 2,627,822, Feb. 10.

Huddins, Peter D., and J. P. Elliott, South Boston, Va. Wheel mask. 2,627,839, Feb. 10.

Huggins, Percy, Sole, assignor of one-half to Lancashire Dynamo & Crypto Limited, Manchester, England. Apparatus for impregnating solid bodies. 2,627,838, Feb. 10.

Hughes, Ernest S., Jr., Vental, assignor to International Business Machines Corporation, New York, N. Y. Electronic storage device. 2,628,309, Feb. 10.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Agitator raiser and belt release for suction cleaners. 2,627,823, Feb. 10.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Motor ventilating system. 2,628,320, Feb. 10.

Hunter, Melvin J., and L. A. Ranner, assignors to Dow Corning Corporation, Midland, Mich. Phenyl methyl dialkoxysilane-polyhydric alcohol-dicarboxylic acid or anhydride reaction. 2,628,216, Feb. 10.

Hurley, Leonard A., and P. F. Lucas, assignors to L. D. Houllis, Dallas, Tex. Clover-leaf roll former. 2,627,823, Feb. 10.

Hurst, George L., Los Altos, and M. M. Hurst, Palo Alto, Calif. Drier. 2,627,670, Feb. 10.

Hurst, Mowatt M.: See—Hurst, George L., and M. M.

Hydrocarbon Research, Inc., assignee: See—Benedict, Manson.

Idol, Edward D., Baltimore, Md. Tap box. 2,628,009, Feb. 10.

Imperial Chemical Industries Limited, assignee: See—Boon, William R., and Leigh.

Eckers, Carl G.

Innis, Perry N., Bridgeport, Conn. Paper and article container for automobiles. 2,628,008, Feb. 10.

Interior, United States of America as represented by the Secretary of the, assignee: See—Stringfield, Theodore W., Stevens, Spaulding, and Behrens.

International Business Machines Corporation, assignee: See—Beattie, Horace S., Page, and Rabenda.

Buhler, Eugen.

Hughes, Ernest S., Jr.

Johnson, Reynold B.

Malmros, Gustav V. A., and Barber.

Malmros, Gustav V. A., Barber, and Engstrom.

Relfort, Henry A.

Wood, Harold R.

Wood, Marion L.

Isaacs, John D.: See—Austin, Leslie W., and Isaacs.

Iverson, Robert L., Beaver Falls, assignor to Koppers Company, Inc., Pittsburgh, Pa. Unting polystyrene to other surfaces using styrene monomer adhesives. 2,628,180, Feb. 10.

Jack & Heintz, Inc., assignee: See—Anderson, Robert L.

Jackson, George M., Chicago, Ill. Chair having an adjustable seat and back rest. 2,627,898, Feb. 10.

Jacobs, Clare S., assignor to F. L. Jacobs Co., Detroit, Mich. Sun visor. 2,628,123, Feb. 10.

Jacobs, F. L., Co., assignee: See—Jacobs, Clare S.

Jansson, Simon, assignee: See—Hansson, Karl J.

Jenett, Caroline L. M., executrix: See—Jenett, Henry.

Jenett, Henry, deceased, by C. L. M. Jenett, executrix, Montclair, N. J., assignor to Embart Manufacturing Company, Hartford, Conn. Preparing a polyethylene dispersion and applying same to a polyethylene surface. 2,628,172, Feb. 10.

Johnson, Arthur C., San Marino, Calif. Arm mounting for tool operating motors. 2,627,880, Feb. 10.

Johnson, Christopher L., Allestree, Derby, assignor to Rolls-Royce Limited, Derby, England. Fuel metering system for internal-combustion engines. 2,627,906, Feb. 10.

Johnson, David A., St. Joseph, Mich., assignor to Whirlpool Corporation. Washing machine provided with planetary drive means. 2,627,741, Feb. 10.

Johnson, Frank, Detroit, Mich. Small animal incubator. 2,627,841, Feb. 10.

Johnson, Harold I., Hampton, Va. Control mechanism for aircraft surfaces. 2,628,044, Feb. 10.

Johnson, Julius E., Jr., assignor to The Dow Chemical Company, Midland, Mich. Composition for control of coccolid infection. 2,628,163, Feb. 10.

Johnson, Paul S., Washington, D. C., and L. E. Spray, Wilkesburg, Pa., assignors to Westinghouse Air Brake Company. Hot bearing indication apparatus. 2,628,344, Feb. 10.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Fountain pen for viscous ink. 2,627,844, Feb. 10.

Johnson, Richard S., Racine, Wis. Hydraulically operated reinforced collapsible valve. 2,627,874, Feb. 10.

Johnson, Robert E., Proctor, Minn. Combined sign and light unit. 2,627,684, Feb. 10.

Johnston, Douglas, assignor to General Fluid Machinery Company, Huntsville, Ala. Hydraulic jack. 2,627,722, Feb. 10.

Jones, George C.: See—Phillips, Lawson H., and Jones.

Jones, Henry F.: See—Etchason, Paul T., and Jones.

Jones, Jesse E., Waawatana, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Variable voltage motor control system. 2,628,338, Feb. 10.

Jones, William F., Wethersfield, assignor to Veeder-Root Incorporated, Hartford, Conn. Keying device. 2,628,113, Feb. 10.

Jordan, Jacob: See—Steele, Richard E., and Jordan.

Joslyn Mfg. & Supply Co., assignee: See—Yonkers, Edward H., Jr.

Journal Company, The, assignee: See—Eberle, Julian J.

Kaatz, Herbert W., and H. F. Eaycart, Elyria, Ohio. Pump. 2,627,816, Feb. 10.

Kahl, James, Bronx, N. Y. Combined bathroom stool and shoeshine box. 2,627,622, Feb. 10.

Kaiser Aluminum & Chemical Corporation, assignee: See—Austin, Leslie W., and Isaacs.

Kaiser Steel Corporation, assignee: See—Austin, Leslie W., and Isaacs.

Kalina, Benjamin F., Bowman, N. Dak. Wringer attachment. 2,627,742, Feb. 10.

Kashian, Tatios, Cleveland, Ohio. Moccasin and means for drawing same around the foot. 2,627,877, Feb. 10.

Kauer, Kenneth C.: See—Britton, Edgar C., Alquist, and Kauer.

Keeshan, Andrée G., administratrix: See—
Keeshan, William T.
Keeshan, William T., deceased, Navesink, N. J.; A. G. Keeshan, administratrix. Fountain applicator with magnetic valve. 2,628,005, Feb. 10.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Door construction. 2,627,632, Feb. 10.
Kendall, Harold G., assignee: See—
Fritzinger, George H.
Kenney Manufacturing Company, assignee: See—
Kunath, Fred W.
Kent, Howard, Maplewood, assignor of one-half to J. V. Volk, Newark, N. J. Mixing chamber. 2,627,977, Feb. 10.
Kerns, Quentin A., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Amplifier circuit for testing. 2,628,268, Feb. 10.
Killingaworth, Robert B., Roslyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Metalworking lubricant. 2,628,197, Feb. 10.
Kimmel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Tertiary ester. 2,628,250, Feb. 10.
Kimmel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 3,7,11-trimethyl-1-dodecen-3-yl acetate and the preparation thereof. 2,628,251, Feb. 10.
King, Alexander S., Jr., Virginia Beach, Va., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gas turbine fuel feed system with vapor removing means. 2,627,907, Feb. 10.
King, Clifford J., Malartic, Quebec, Canada. Mining drill bit extractor. 2,627,654, Feb. 10.
King Organic Chemicals, Inc., assignee: See—
King, Robert G.
King, Robert G., assignor to King Organic Chemicals, Inc., Norwalk, Conn. Sulfur-containing plasticizing composition. 2,628,228, Feb. 10.
Kirkbride, Chalmers G., Wallingford, and J. C. Dart, Moylan, assignors to Houdry Process Corporation, Philadelphia, Pa. Hydrocarbon conversion process utilizing the gas lift as the conversion zone. 2,628,188, Feb. 10.
Kittredge, Raymond E., Chenango, assignor to Link Aviation, Inc., Binghamton, N. Y. Dynamic pressure computer and control loading means operated thereby for grounded aviation trainers. 2,627,675, Feb. 10.
Klein Smith, Ben, Seattle, Wash. Power-driven reciprocating saw. 2,627,882, Feb. 10.
Kless, Herman L., Houston, Tex. Drill bit. 2,628,073, Feb. 10.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device. 2,628,130, Feb. 10.
Knapp-Monarch Company, assignee: See—
Knapp, Andrew S.
Weber, Milton W.
Kniffer, James J., Davenport, Iowa. Fishing signal. 2,627,690, Feb. 10.
Knobel, Max, Boston, and T. P. Howard, Milton, assignors to Pneumatic Scale Corporation, Quincy, Mass. Check-weighing machine. 2,628,055, Feb. 10.
Kobe, Kenneth A., and R. T. McCutchan, Austin, Tex. Mercury diaphragm. 2,628,241, Feb. 10.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,628,018, Feb. 10.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Free air fan. 2,628,019, Feb. 10.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,628,020, Feb. 10.
Koepnick, Edward W., Dayton, Ohio. Toy torpedo launcher. 2,627,853, Feb. 10.
Kool-Breeze Awning Co., assignee: See—
Gunter, Robert G.
Koppers Company, Inc., assignee: See—
D'Alelio, Gaetano F.
Fair, William F., Jr.
Iverson, Robert L.
Korchmar, Don, Cincinnati, Ohio. Traveling bag. 2,627,952, Feb. 10.
Krauss, Wolfgang W., Aurora, assignor to Republic Steel Corporation, Cleveland, Ohio. Radiant heating panel. 2,628,075, Feb. 10.
Kridler, George E., Duncansville, Pa. Crushing machine. 2,628,037, Feb. 10.
Kruth, Leon: See—
Kosen, Leonard J., Kruth, and White.
Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y. Catalyst regenerator. 2,628,157, Feb. 10.
Kunath, Fred W., assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain carrier. 2,627,625, Feb. 10.
Kurth, Frans J., New York, N. Y., L. R. Phillips, Teaneck, N. J., and W. J. Waidner, Hawthorne, assignors to Anemostat Corporation of America, New York, N. Y. Air outlet device for heating, cooling, ventilating, or other purposes. 2,627,799, Feb. 10.
Kurs, Adolph, Union, N. J. Condiment dispenser. 2,627,992, Feb. 10.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Esters of alpha-acyl-alpha-naphthoquinonyl-succinic acid and process. 2,628,239, Feb. 10.
Laird, Ona B., assignee: See—
Foster, John C., Sr.
Laird, T. J., Equipment Corporation, assignee: See—
Laird, Thomas J.
Laird, Thomas J., assignor to T. J. Laird Equipment Corporation, Buffalo, N. Y. Mixer. 2,628,081, Feb. 10.
Lake, William H., Muskegon, Mich. Method and device for controlling electrical demand. 2,628,318, Feb. 10.
Lake State Products, Inc., assignee: See—
Hollerith, Charles.
Lamb, Harry, Madison, Wis., assignor to C. M. Ambrose Company, Seattle, Wash. Strainer mechanism for liquids. 2,627,970, Feb. 10.
Lancashire Dynamo & Crypto Limited, assignee: See—
Huggins, Percy.
Langdon, Lawrence E., Wilmette, assignor, by mesne assignments, to Link-Belt Company, Chicago, Ill. Treating sewage or other waste material. 2,628,190, Feb. 10.
Lanning, Hyman B., assignor to Metal Products Corporation, Portsmouth, Va. Article of furniture. 2,627,616, Feb. 10.
Lathers, William C., Jr., Madison, Wis. Holst attachment for tractors. 2,627,983, Feb. 10.
Lawlor, Reed C., assignee: See—
Rense, Daniel S.
Lawrence, Ray V., Lake City, Fla., and O. S. Eckhardt, Columbia, Miss., assignors to the United States of America as represented by the Secretary of Agriculture. Addition compounds of rosin and maleic anhydride and their production. 2,628,226, Feb. 10.
Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,627,736, Feb. 10.
Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Elastic yarn feeding means for knitting machines. 2,627,738, Feb. 10.
Leander, Russell J., assignor to Chicago Show Printing Company, Chicago, Ill. Top display. 2,627,683, Feb. 10.
Leblanc, Leon, Paris, France. Key mechanism for alto and bass clarinets. 2,627,770, Feb. 10.
Lecznar, Chester J., Detroit, Mich. Pitcher's control practice target. 2,628,097, Feb. 10.
Ledrut, Jules H. T., assignor to Luzema S. A., Ixelles, Brussels, Belgium. Substituted and unsubstituted barbiturates and thio-barbiturates of 1,2,3-trisubstituted pyrazolones and producing such compositions. 2,628,233, Feb. 10.
Leemingwell Chemical Company, assignee: See—
Allison, John R., and Blalock.
Leigh, Thomas: See—
Boon, William R., and Leigh.
Lempco Products, Inc., assignee: See—
Strnad, James J.
Leonard, John T., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant feeder valve for centralized lubricating systems. 2,627,939, Feb. 10.
Levin, Abraham S., Philadelphia, Pa. Refrigerated display case. 2,627,728, Feb. 10.
Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3 - beta - hydroxy - 5,7,9 - (11) - pregnatriene - 12,20-dione. 2,628,240, Feb. 10.
Levero, Hugo A., Montevideo, Uruguay. Gradient indicating level. 2,627,666, Feb. 10.
Lewenstein, Moses J., Kew Gardens, N. Y. Analgesic compounds and compositions. 2,628,185, Feb. 10.
Lewis-Shepard Company, assignee: See—
Hastings, Russell, Jr.
Lewis, Warren E., Bradley, Ill. Fluid transmission. 2,627,954, Feb. 10.
Li, Yao T., Allston, Mass., assignor to Research Corporation, New York, N. Y. Diaphragm type pressure indicator. 2,627,749, Feb. 10.
Libbey-Owens-Ford Glass Company, assignee: See—
Bolcey, James H., and Williams.
Galser, Romey A.
Librascope, Inc., assignee: See—
Greenwood, Ivan A., Jr.
Lilienfeld, Julius E., St. Thomas, V. I. Brassière and framework therefor. 2,627,603, Feb. 10.
Lind, George R., St. Joseph, Mich. Venetian blind. 2,627,917, Feb. 10.
Lindahl, Carl, Union, N. J., assignor to Elastic Stop Nut Corporation of America. Time-delay control apparatus. 2,627,919, Feb. 10.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multiple slot antenna. 2,628,311, Feb. 10.
Link Aviation, Inc., assignee: See—
Kittredge, Raymond E.
Link-Belt Company, assignee: See—
Langdon, Lawrence E.
Lipson, Charles, assignor to Charles Lipson Company, Atlantic City, N. J. Combined container and amusement box. 2,627,697, Feb. 10.
Lipson, Charles, Company, assignee: See—
Lipson, Charles.
Lisle Corporation, assignee: See—
Brooks, Thomas E.

Litchy, Louis J.: See—
Schulte, Mike T., Litchy, and Downward.
Little, John J., Havertown, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Continuous plywood press apparatus. 2,627,883, Feb. 10.
Lloyd-Avon, Ltd., assignee: See—
Montgomery, Paul S.
Lloyd, Jack M., and W. M. Williamson, Driscoll, Tex.: said Lloyd assignor of one-twentieth to E. Wilson, and one-twentieth to J. S. Ryan, Murfreesboro, Tenn. Emergency signalling apparatus. 2,628,307, Feb. 10.
Lloyd, Thomas W., and D. W. Mason, Baltimore, Md., assignors to Harblson-Walker Refractorless Company, Pittsburgh, Pa. Sheet metal bending apparatus. 2,627,890, Feb. 10.
Lochridge, Edwin H.: See—
Noyes, Stanley E., and Lochridge.
Loetscher, Fred K., assignor to Farley & Loetscher Mfg. Co., Dubuque, Iowa. Laminate construction material. 2,628,144, Feb. 10.
Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Gas turbine and like engine. 2,628,067, Feb. 10.
Lombard, Adrian A., Allentree, F. W. W. Morley, Aston-on-Trent, C. A. Davis, Barrow-on-Soak, near Loughborough, and S. C. Wilkinson, Colne, assignors to Rolls-Royce Limited, Derby, England. Turbine disk. 2,628,065, Feb. 10.
Lombard, Adrian A., and F. W. W. Morley, Clitheroe, C. A. Davis, Barnoldswick, and S. C. Wilkinson, Colne, assignors to Rolls-Royce Limited, Derby, England. Turbine disk. 2,628,066, Feb. 10.
Lombardi, Vincent, South Miami, Fla. Knitting mechanism. 2,627,739, Feb. 10.
Lopina, Joseph J., Chicago, Ill. Interlocking plastic tile. 2,627,744, Feb. 10.
Loukowsky, Serge A., Hartford, Conn. Coating compositions. 2,628,208, Feb. 10.
Lowe, Earl L., Winchester, Ind. Improvement in blow-head. 2,627,702, Feb. 10.
Lowenheim, Frederick A., Plainfield, N. J. Tarnish remover. 2,628,199, Feb. 10.
Lubbert, Carl B., Annetle, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Transferring and stacking apparatus. 2,627,986, Feb. 10.
Lucas, Pete F.: See—
Hurley, Leonard A., and Lucas.
Lufkin Foundry and Machine Company, assignee: See—
Fincher, John L.
Lumtype Corporation, assignee: See—
Murphy, Joseph F.
Lund, Johan, assignor, by mesne assignments, to No-Sag Spring Company, Detroit, Mich. Bed-divan hinge. 2,627,613, Feb. 10.
Lunden, A. E., assignee: See—
Cochrane, Stanley, and Carpenter.
Lundgren, William E., Sharon, Mass. Dobby pattern chain cylinder. 2,627,879, Feb. 10.
Lundin, Carl G.: See—
Exström, Karl H. R., and Lundin.
Lussier, Armand H., Montreal, Quebec, Canada. Rolling armchair. 2,627,895, Feb. 10.
Lutters, Paul R.: See—
Robinson, Norman, and Lutters.
Luzema S. A., assignee: See—
Ledrut, Jules H. T.
Lynd, Langtry E.: See—
Merker, Leon, and Lynd.
Lynn, Irvin, assignee: See—
Mainick, Mauray G.
Lyon, George A., Detroit, Mich. Top shield for automobiles. 2,628,123, Feb. 10.
MacCready, Robert H., assignee: See—
Wagner, William L.
MacGregor, David, Munster, assignor to Edward Valves, Inc., East Chicago, Ind. Assembling parts of gate valves. 2,627,651, Feb. 10.
Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Polyvinyl chloride resins stabilized with polystannoxanediol esters. 2,628,211, Feb. 10.
Mack, Robert B., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Jacketed conical blender. 2,628,080, Feb. 10.
MacKenzie, Charles A., East Orange, and J. B. Rust, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Preparation of unsaturated alkanes. 2,628,248, Feb. 10.
MacKenzie, James, Glenwood Springs, Colo., assignor to Southwest Metal Industries, Phoenix, Ariz. Range seeder. 2,628,000, Feb. 10.
Mackta, Leo, Brooklyn, N. Y. Low frequency simplified loran system. 2,628,351, Feb. 10.
Madsen, Herbert S., Lakeland, Fla., assignor to General Foods Corporation, New York, N. Y. Heat-treating citrus juices. 2,628,168, Feb. 10.
Maerach, Helen M., Sheboygan, Wis. Covered serving dish. 2,627,991, Feb. 10.
Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides from dinitriles and diacyl alcohol or ester of the last. 2,628,218, Feb. 10.
Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides from dinitrile and ditertiary alcohol or ester of the last. 2,628,219, Feb. 10.
Magee, Robert C., Manbasset, assignor to J. B. Thomson, Plandome, N. Y. Antifriction bearing for linear motion. 2,628,135, Feb. 10.
Malmros, Gustav V. A., Binghamton, E. A. Barber, Jr., Johnson City, and J. R. Engstrom, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Card punching machine. 2,627,924, Feb. 10.
Malmros, Gustav V. A., Binghamton, and E. A. Barber, Jr., Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Mechanism for folding documents over the edge of cards. 2,628,092, Feb. 10.
Mainick, Mauray G., Sherman Oaks, assignor of fifty per cent to S. Moss, Los Angeles, and fifty per cent to I. Lynn, Beverly Hills, Calif. Registering coin bank. 2,628,028, Feb. 10.
Maltby, Frederick L., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Safety means for electrical apparatus. 2,628,333, Feb. 10.
Mangieri, Ray A., New Kensington, Pa. Fluid fuel burner and paint scraper. 2,627,905, Feb. 10.
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pump. 2,627,812, Feb. 10.
Mann, John, and R. P. Shuster, assignors to Goulds Pumps, Inc., Seneca Falls, N. Y. Self-priming centrifugal pump. 2,627,817, Feb. 10.
Manning, Clarence T., Eagle, Mich. Suction-type seed harvester. 2,627,713, Feb. 10.
Marrelli, Attilio, Plainview, Ill. Syringe holder. 2,627,857, Feb. 10.
Marchant, Lee L., Takoma Park, assignor to Engineering & Research Corporation, Riverdale, Md. Anvil and stripper for punching and riveting machines. 2,627,706, Feb. 10.
Market Forge Company, assignee: See—
Binding, Kenneth W.
Markey, Arthur E., Detroit, Mich. Inventory by color and model board for automobiles. 2,627,682, Feb. 10.
Marlin Electric Company, assignee: See—
Hress, Myer.
Marab, Frank D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl esters and tertiary amino nitrogen-containing compounds and producing same. 2,628,221, Feb. 10.
Martinek, Emanuel A., Wichita Falls, Tex. Air moistening and filtering device. 2,627,934, Feb. 10.
Martinet, Eugene F., assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio. Suction cleaner dome mounting construction. 2,627,936, Feb. 10.
Martinet, Eugene F., assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio. Suction cleaner motor filter construction. 2,627,937, Feb. 10.
Mason, Donald W.: See—
Lloyd, Thomas W., and Mason.
Mastney, Edward J.: See—
Williams, John H., and Mastney.
Mastney, Edward J., Berwyn, assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,628,292, Feb. 10.
Mater, Milton H., and C. C. Walker, Sr., Corvallis, Ore. Truing the peripheral surfaces of band saw wheels. 2,627,708, Feb. 10.
Matrejek, Eugene, Newark, N. J. Reversible roundabout toy. 2,628,094, Feb. 10.
Matteson, Robert, Kensington Park, Berkeley, assignor to California Research Corporation, San Francisco, Calif. Flash point apparatus. 2,627,745, Feb. 10.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire fixture. 2,628,291, Feb. 10.
Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Making connectors with hard particle lining. 2,627,649, Feb. 10.
Maurer, Frederick R., New Boston, Mich. Seed package and seed distributor. 2,628,003, Feb. 10.
May, Edward M., assignor to Meco-Pilot Manufacturing Company, Detroit, Mich. Apparatus for synchronizing the speeds of power-driven mechanisms. 2,627,762, Feb. 10.
May, Richard W., Lexington, assignor to National Company, Inc., Malden, Mass. Shaft positioning apparatus. 2,627,957, Feb. 10.
May, Sam, assignor of one-half to R. T. Moloney, Chicago, Ill. Plural switch coin-control and circuit therefor. 2,627,962, Feb. 10.
May, Wallace E., Eureka, Calif. Decorative attachment for spectacles. 2,627,782, Feb. 10.
Maybach, Gerald E., Bowmanville, and A. H. Snyder, Lancaster, N. Y., assignors to National Battery Company, St. Paul, Minn. Battery liquid level indicator. 2,627,748, Feb. 10.
Mayer, Albert E., Bay City, Oreg. Milking machine. 2,627,840, Feb. 10.

Mayer, Carl F., Lakewood, Ohio. Heating system for vertical industrial ovens of the conveyor type. 2,628,087, Feb. 10.
 Mayhew, Raymond L.: See—
 Sanders, Herbert L., and Mayhew.
 Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluidized iron oxide-natural gas process for manufacturing synthesis gas. 2,628,101, Feb. 10.
 Mayner, Stanley, Cleveland Heights, assignor of two-fifths to T. S. Mayner, Russel Township, Geauga County, Ohio. Automatic transmission. 2,627,764, Feb. 10.
 Mayner, Thomas S., assignee: See—
 Mayner, Stanley.
 McCarty, Lourdes V., and R. L. Vicenal, Milwaukee, Wis., assignors to A. P. Controls Corporation. Fuel control device. 2,627,011, Feb. 10.
 McCutchan, Roy T.: See—
 Kabe, Kenneth A., and McCutchan.
 McDougall, George F., Portland, Ore. Defeathering device. 2,627,027, Feb. 10.
 McGraw Electric Company, assignee: See—
 Petersen, Clifford W.
 Van Ruyan, Anthony.
 McIntosh, A. Vern, Jr.: See—
 Levin, Robert H., McIntosh, and Spero.
 McKean, Royd A., Erie, assignor to Titan Tool Company. Fairview, Pa. Stud driver. 2,628,105, Feb. 10.
 McKim, Burton, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiautomatic telephone switching system arranged for selective alternating current or direct current key pulsing. 2,628,283, Feb. 10.
 McKim, Paul A.: See—
 Sapp, Junius E., Gillespie, and McKim.
 McKinney, William A., Normandy, Mo. Fishing rod holder. 2,628,048, Feb. 10.
 McMahon, James E., Jr., Wilkesburg, Pa., assignor to Westinghouse Air Brake Company. Apparatus for controlling highway crossing signals. 2,628,306, Feb. 10.
 Meco-Plant Manufacturing Company, assignee: See—
 May, Edward M.
 Mege, Paul A., Polisy, France. Metallic cover for closing the hatchways of ships. 2,627,835, Feb. 10.
 Melnick, Edward, Summit, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Thermochemical material removal. 2,627,826, Feb. 10.
 Melling, Harold N., Yonkers, N. Y. Device for applying footwear to handicapped persons. 2,628,007, Feb. 10.
 Mergen, Joseph M., Verona, N. J., assignor to Curtiss-Wright Corporation. Propeller temperature control means. 2,627,027, Feb. 10.
 Merker, Leon, New York, N. Y., and L. E. Lynd, South Plainfield, N. J., assignors to National Lead Company, New York, N. Y. Optically glass-like material. 2,628,156, Feb. 10.
 Merton, Delmer R. and M., Oakland, Calif. Pan and pot lifter. 2,628,119, Feb. 10.
 Merton, Marguerite: See—
 Merton, Delmer R. and M.
 Metal Products Corporation, assignee: See—
 Laflin, Hyman B.
 Method X Company, The, assignee: See—
 Williams, Everard M.
 Meunier, Paul L., Wilmington, Del., and W. Wyand, Jr., Penna. Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing modified polyacrylonitrile staple fabric. 2,628,152, Feb. 10.
 Michigan Powdered Metal Products Company, assignee: See—
 Blood, Leland C.
 Millard, Harper, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Overcenter snap device. 2,627,754, Feb. 10.
 Miller, Frank M.: See—
 Hawes, Russell J., Miller, and Stephens.
 Miller, Jacob C., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Meter with interchangeable dial and register. 2,627,747, Feb. 10.
 Miller, Margaret E., New York, N. Y. Disposable diaper. 2,627,858, Feb. 10.
 Miller, Victor F.: See—
 Anderson, Fred A., Blattner, and Miller.
 Miner, W. H., Inc., assignee: See—
 Dath, George E.
 Gaddola, Lewis F.
 Minneapolis-Honeywell Regulator Company, assignee: See—
 Gilie, Willis H.
 Millard, Harper.
 Smith, James W.
 Minnesota Mining & Manufacturing Company, assignee: See—
 Dowdall, John F.
 Misch, Herbert L., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Brake for transmissions. 2,627,946, Feb. 10.
 Mitchell, Lawrence J., Miami, Fla. Protective panel for jalousie windows. 2,627,951, Feb. 10.
 Mitchell, Samuel, and A. Guldry, Vallejo, Calif. Portable shelter for automobiles. 2,627,865, Feb. 10.
 Missy, Inc., assignee: See—
 Reasenberg, Julian R.
 Moir, Alfred J., Toronto, Ontario, Canada. Easel. 2,627,895, Feb. 10.
 Moloney, Raymond T., assignee: See—
 Burnside, Walter M.
 Henry, Earle G.
 Hooker, Donald E.
 May, Sam.
 Nicolaus, Frank G.
 Russell, Obed M.
 Monroe Calculating Machine Company, assignee: See—
 Burkhart, William H.
 Monsanto Chemical Company, assignee: See—
 Mowry, David T.
 Mowry, David T., and Plesbergen.
 Mowry, David T., and Schlesinger.
 Patrick, Tracy M., Jr.
 Montclair Research Corporation, assignee: See—
 MacKenzie, Charles A., and Rust.
 Rust, John R.
 Montgomery, Paul S., Oklahoma City, assignor to Lloyd-Avon, Ltd., Oklahoma County, Okla. Tailless airplane. 2,628,043, Feb. 10.
 Moore, James B., Jr., Lexington, Ky. Air distributing means for pot type burners. 2,627,909, Feb. 10.
 Morley, Frederick W. W.: See—
 Lombard, Adrian A., Morley, Davis, and Wilkinson.
 Morria, Frank A., assignor to Stromberg-Carlson Company, Rochester, N. Y. Reverting call circuit. 2,628,281, Feb. 10.
 Morrison, John W., Galena Park, Tex. Cotton tie buckling machine. 2,627,880, Feb. 10.
 Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking parts in cylindrical articles. 2,627,864, Feb. 10.
 Moss, Sol, assignee: See—
 Malnick, Mauray G.
 Motorola, Inc., assignee: See—
 Schlesinger, Kurt.
 Mowry, David T., Dayton, Ohio, and N. R. Plesbergen, Collinsville, Ill., assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal compositions. 2,628,163, Feb. 10.
 Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Polyhalogenated esters. 2,628,164, Feb. 10.
 Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Treating plants with 4,5 dichloro-3-pyridones. 2,628,181, Feb. 10.
 Moyer, C. L. Company, assignee: See—
 Moyer, Charles L.
 Moyer, Charles L., deceased, Chicago, Ill., by C. S. Bassett, executor, assignor to C. L. Moyer Company, Chicago, Ill. Feed mechanism for book trimming machines. 2,627,966, Feb. 10.
 Mulgardt, Alexander S., Altadena, Calif. Propeller. 2,627,928, Feb. 10.
 Munro, Robert, Sunningdale, England. Hermetically-sealed shaft-coupling. 2,627,753, Feb. 10.
 Murphy, Howard H., Walpole, Mass. Golf club. 2,628,099, Feb. 10.
 Murphy, Joseph F., West Roxbury, assignor to Lumitope Corporation, Roxbury, Mass. Body type assembly device. 2,627,794, Feb. 10.
 Murphy, Joseph F., West Roxbury, assignor to Lumitope Corporation, Roxbury, Mass. Body type assembly outfit. 2,627,795, Feb. 10.
 Murr, Charles H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Telescope reticle adjustment. 2,627,659, Feb. 10.
 Murray, Joseph J., Jr., assignor to Varo Mfg. Co., Inc., Garland, Tex. Mechanical vibrating device. 2,628,343, Feb. 10.
 Musser, Clarence W., Olenside, and A. Benditt, Philadelphia, Pa. Inflator for pneumatic lifesaving devices. 2,627,998, Feb. 10.
 Nash, Floyd M. and R. A., Bluefield, W. Va. Underground vehicle parking elevator. 2,627,942, Feb. 10.
 Nash-Kelvinator Corporation, assignee: See—
 Philipp, Lawrence A.
 Nash, Roy A.: See—
 Nash, Floyd M. and R. A.
 National Battery Company, assignee: See—
 Maybach, Gerald E., and Snyder.
 National Company, Inc., assignee: See—
 May, Richard W.
 National Lead Company, assignee: See—
 Merker, Leon, and Lynd.
 National Pressure Cooker Company, assignee: See—
 Buake, Gilbert E.
 Wittenberg, Edward H.
 National Screw & Manufacturing Company, The, assignee: See—
 Hodell, Frederick O.
 National Supply Company, The, assignee: See—
 Wharton, Joseph B.
 Naumann, Erwin O. A.: See—
 Neugebauer, Frans J., Berkner, and Naumann.
 Navy, United States of America as represented by the Secretary of the, assignee: See—
 Catlin, John P.
 Clark, John R., and Schults.
 Dros, Marcel E.
 King, Alexander S., Jr.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Coin-controlled apparatus and change maker. 2,627,963, Feb. 10.
 Neugebauer, Frans J., Dayton, H. O. Berkner, Wood City, and E. O. A. Naumann, Dayton, Ohio. Engine-driven air compressor. 2,628,015, Feb. 10.
 Newberg, Raymond G.: See—
 Smith, Paul V., Jr., Young, and Newberg.
 New Jersey Zinc Company, The, assignee: See—
 Handwerk, Erwin C.
 Newman, Ruth R., assignee: See—
 Hirshtein, Joseph.
 New Orleans Furniture Manufacturing Company, assignee: See—
 Zwilck, Paul P.
 Nichols, Cecil C., Memphis, Tenn. Combination invalid stretcher carrier. 2,627,811, Feb. 10.
 Nichols, Okey E., Charleston, W. Va. Collar support. 2,627,005, Feb. 10.
 Nicolaus, Frank G., Chicago, Ill., assignor to R. T. Moloney. Actuating mechanism especially for hand levers. 2,627,752, Feb. 10.
 Nigbtensheiser, Kenneth W., Dayton, Ohio. Homing system. 2,628,349, Feb. 10.
 Nordlander, Birger W.: See—
 Burnett, Robert E., and Nordlander.
 Northem, Harry C., Amherst, Ohio. Power winch unloader. 2,627,987, Feb. 10.
 Norton, Clyde J., San Fernando, Calif., assignor to Sylva Electric Products Inc. Hybrid wave guide mixer. 2,628,308, Feb. 10.
 Norwood, Stewart E.: See—
 Herder, Elmer A., and Norwood.
 No-Sag Spring Company, assignee: See—
 Lund, Johan.
 Novick, Abraham, Flushing, assignor to F. L. Smith Machine Co., Inc., New York, N. Y. Envelope patch applying mechanism. 2,627,782, Feb. 10.
 Noyes, Stanley E., and E. H. Lochridge, assignors to Dental Perfection Company, Glendale, Calif. Fluoride-containing impression materials. 2,628,153, Feb. 10.
 Nozaki, Kenzie, Richmond, assignor to Shell Development Company, San Francisco, Calif. Polymerization and products produced thereby. 2,628,222, Feb. 10.
 Oak Mfg. Co., assignee: See—
 Mastney, Edward J.
 Williams, John H., and Mastney.
 Ohio Brass Company, The, assignee: See—
 Matthes, Samuel S.
 Oilgear Company, The, assignee: See—
 Ferris, Walter.
 Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Suspension system for dynamic microphones. 2,628,289, Feb. 10.
 Osborne, Howard S., assignee: See—
 Osborne, Raymond G.
 Osborne, Philip S., assignee: See—
 Osborne, Raymond G.
 Osborne, Raymond G., Los Angeles, Calif., assignor of one-fourth to R. G. Osborne, Jr., one-fourth to H. S. Osborne, and one-fourth to P. S. Osborne. Vesiculation. 2,627,642, Feb. 10.
 Osborne, Raymond G., Jr., assignee: See—
 Osborne, Raymond G.
 Outline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,628,282, Feb. 10.
 Ostlund, Gustav, assignee: See—
 Hanson, Karl J.
 Overman, Joseph D., Milltown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making colloid silver halide emulsions containing thallium. 2,628,167, Feb. 10.
 Packard Motor Car Company, assignee: See—
 Misch, Herbert L.
 Rosentund, Iver T.
 Williams, Robert M., and Wislencus.
 Page, Clarence, assignor to Page and Cox, Detroit, Mich. Egg-container separating device. 2,627,990, Feb. 10.
 Page and Cox, assignee: See—
 Page, Clarence.
 Page, Ralph E.: See—
 Beattie, Horace S., Page, and Rabenda.
 Page, Robert M., Washington, D. C. Instrument for measuring the ratio of pulse width to pulse recurrence period of recurrent pulse signals. 2,628,348, Feb. 10.
 Page, Robert M., Washington, D. C. Radio frequency energy range and direction finder. 2,628,350, Feb. 10.
 Paine, Louis A., West Lafayette, and W. J. Dorsam, assignors to Duncan Electric Manufacturing Company, Lafayette, Ind. Indicator mounting. 2,628,114, Feb. 10.
 Palagrove, Maurice W.: See—
 Palagrove, Merlin E., and M. W.
 Palagrove, Merlin E., Columbus, and M. W. Palagrove, Canal Winchester, Ohio. Tiltable dump bed construction for wagons and trailer vehicles. 2,628,127, Feb. 10.
 Pannier Bros. Stamp Company, assignee: See—
 Pannier, Ralph A.
 Pannier, Ralph A., Pittsburgh, Pa., assignor to Pannier Bros. Stamp Company. Die holder for pneumatic marking hammers and the like. 2,627,803, Feb. 10.
 Paré, Victor T., Westmont, N. J., assignor to Radio Corporation of America. Molding cushion. 2,627,628, Feb. 10.
 Parker Appliance Company, The, assignee: See—
 Parker, Arthur L.
 Parker, Arthur L., deceased, Cleveland; by H. M. Parker, executrix, Shaker Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Rotary plug valve seat. 2,628,060, Feb. 10.
 Parker, Emory: See—
 Mack, Gerry P., and Parker.
 Parker, Helen M., executrix: See—
 Parker, Arthur L.
 Parker, Louis W., Little Neck, N. Y. Radio and television distribution system for hotels and apartment houses. 2,628,275, Feb. 10.
 Parker Pen Company, The, assignee: See—
 Prentzel, Herman C.
 Parmer, Basil E., St. Helen, Mich. Attachment for shuffleboard game boards. 2,628,103, Feb. 10.
 Perry-Pay Company, The, assignee: See—
 Perry, Richard D., and Baumgardner.
 Patch, Harry M., Seattle, Wash. Power dividing differential. 2,627,760, Feb. 10.
 Paterno, Joseph J., Salem, Mass. Battery connector. 2,628,262, Feb. 10.
 Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. (Dimethoxymethyl) succinic anhydride and telomeric products. 2,628,238, Feb. 10.
 Patterson Foundry & Machine Co., The, assignee: See—
 Mack, Robert B.
 Pazandak, Louis A., Minneapolis, Minn. Seed sample divider. 2,627,751, Feb. 10.
 Pazandak, Louis A., Minneapolis, Minn. Hand tool construction. 2,628,133, Feb. 10.
 Pelliar, Sidney H., Wheaton, Ill. Road traffic signal. 2,627,784, Feb. 10.
 Pennerl, Michael, assignor of one-half to M. Rankin, Chatham, N. J. Multiple stage nonslip vacuum pump. 2,628,014, Feb. 10.
 Perkins, Burl V., Arkansas City, Kans. Picnic box. 2,627,970, Feb. 10.
 Perkins, Charles M., Kalamazoo, Mich., assignor to Fuller Manufacturing Company. Self-energizing means for interengaging synchronizer friction plates. 2,627,055, Feb. 10.
 Perkins, Charles M., Kalamazoo, Mich., assignor to Fuller Manufacturing Company. Interengaging tooth structure for synchronizers. 2,627,956, Feb. 10.
 Permutit Company, The, assignee: See—
 Gilwood, Martin E.
 Sard, Bernard A.
 Perrin, Tom S., and R. O. Banner, Palmettoville, assignors to Diamond Alkali Company, Cleveland, Ohio. Recovering chromates and vanadates from aqueous solution. 2,628,154, Feb. 10.
 Perry, Richard D., Elyria, and R. Baumgardner, Grafton, assignors to The Perry-Pay Company, Elyria, Ohio. Automatic screw machine. 2,627,646, Feb. 10.
 Petersen, Clifford W., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Lightning arrester. 2,628,323, Feb. 10.
 Peterson, Harold O., and R. A. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Receiving station antenna distribution system. 2,628,312, Feb. 10.
 Peterson, William B., Los Altos, Calif. Metering dispenser for solid free flowing material. 2,628,002, Feb. 10.
 Peyton, Ferrol H., Carbondale, Ill. Hair-waving device. 2,627,861, Feb. 10.
 Philco Corporation, assignee: See—
 Zearfoss, Elmer W., Jr.
 Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,627,729, Feb. 10.
 Phillips, Lawson H., and G. C. Jones, Jackson, Tenn. Metal working hammer. 2,627,771, Feb. 10.
 Phillips, Leonard R.: See—
 Kurth, Franz J., Phillips, and Waidner.
 Phillips Petroleum Company, assignee: See—
 Crouch, Willie W.
 Hebard, Olen G.
 Mayland, Bertrand J.
 Phillips, Stanley L., Parkview Village, Cleveland, assignor to Wedge Protectors, Inc., Cleveland, Ohio. Thread protector. 2,627,877, Feb. 10.
 Plesbergen, Norman R.: See—
 Mowry, David T., and Plesbergen.
 Pinkney, Paul S., and R. H. Wiley, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing of polyethylenes. 2,628,214, Feb. 10.
 Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Terminal for wristbands for watches. 2,627,838, Feb. 10.
 Pittman, Walter F., Kenly, N. C. Bearing. 2,628,136, Feb. 10.
 Pittsburgh Coke & Chemical Company, assignee: See—
 Bruno, Anthony J., Jr.
 Pneumatic Scale Corporation, Limited, assignee: See—
 Knobel, Max, and Howard.
 Polk Development Company, The, assignee: See—
 Polk, Ralph, Sr., and Ralph Polk, Jr.

Polk, Ralph, Jr.: See—
 Polk, Ralph, Sr., and Ralph Polk, Jr.
 Polk, Ralph, Sr., and Ralph Polk, Jr., assignors to The Polk Development Company, Tampa, Fla. Apparatus for the support and sectionizing of citrus fruit. 2,627,884, Feb. 10.
 Polsell, Luigi and S., Philadelphia, Pa. Pin pulling machine. 2,628,070, Feb. 10.
 Polsell, Salvatore: See—
 Polsell, Luigi and S.
 Polton, Helen I., Sinclair, assignor of fifty per cent to W. D. Polton, Laramie, Wyo. Educational device. 2,627,672, Feb. 10.
 Polton, W. Dean, assignee: See—
 Polton, Helen I.
 Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage and current regulation. 2,628,340, Feb. 10.
 Potter, Violet L., assignee: See—
 Heck, Matthew D.
 Prentice, James M., Holyoke, Mass. Electrical game apparatus. 2,628,101, Feb. 10.
 Preston, John: See—
 Olson, Harry F., and Preston.
 Price, James W., Roanoke, Va. Fracture nail and bone plate. 2,627,855, Feb. 10.
 Processing Equipment Corporation, assignee: See—
 Hohl, George I., Welse, Rlat, and J. M. Rlat.
 Prunett, Mack M., Faye, Ky. Pendulum-operated swing. 2,627,614, Feb. 10.
 Pullman-Standard Car Manufacturing Company, assignee: See—
 Apel, Carl H.
 Punch Engineering Pty. Limited, assignee: See—
 Skillman, Thomas S.
 Q-O-S Corporation, assignee: See—
 Sselwach, Stanley S.
 Quillinan, Michael J., Bronx, N. Y. Slide rule. 2,628,025, Feb. 10.
 Rabenda, Edward J.: See—
 Beattie, Horace S., Page, and Rabenda.
 Radio Corporation of America, assignee: See—
 Batsel, Cecil N.
 Blaney, Dorothy L.
 De Muth, John J.
 Friend, Albert W.
 Growsoff, Igor E.
 Himmel, Robert N.
 Lindenblad, Nila E.
 Olson, Harry F., and Preston.
 Paré, Victor T.
 Peterson, Harold O., and Trevor.
 Rettinger, Michael.
 Roe, John H.
 Schroeder, Alfred C.
 Shallow, Lawrence R.
 Singer, Kurt.
 Smith, Arthur L. J.
 Spencer, James A.
 Vilkomerson, Benjamin S.
 Volkman, John E., and Graham.
 Watts, William W.
 Ram, Incorporated, assignee: See—
 Steele, Richard E., and Jordan.
 Randol, Glenn T., Detroit, Mich. Pedally-controlled power-operated clutch. 2,627,953, Feb. 10.
 Ranpl, Anton, Eggertville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle door system. 2,628,091, Feb. 10.
 Raskin, Max, assignee: See—
 Pemmerl, Michael.
 Raugen, John T., Detroit, Mich. Carburetor. 2,628,085, Feb. 10.
 Rauner, Lawrence A.: See—
 Hunter, Melvin J., and Rauner.
 Ravolo, Victor O.: See—
 Haynes, Alex L., and Ravolo.
 Ray, Carlo, North Hollywood, and D. Ray, Beverly Hills, Calif. Apparatus for automatically continuously and alternately supplying a flowable commodity to alternately movable cartons carried in parallel lines. 2,628,010, Feb. 10.
 Ray, Don: See—
 Ray, Carlo and D.
 Ray, Robt. H., Inc., assignee: See—
 Sellers, Clemille F.
 Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Temperature responsive apparatus for controlling cooling systems. 2,628,034, Feb. 10.
 Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling coils of strand material. 2,628,040, Feb. 10.
 Reasenberg, Julian R., Brooklyn, assignor to Mizzy, Inc., New York, N. Y. Benzocaine anesthetic solution. 2,628,182, Feb. 10.
 Recker, Florian B., assignee: See—
 Recker, Gerald J.
 Recker, Gerald J., near Hopkinton, assignor to F. B. Recker, Hopkinton, Iowa. Unloading mechanism for vehicle boxes. 2,627,761, Feb. 10.
 Reeder, William H., Olean, N. Y., assignor to Fisher Scientific Company, Pittsburgh, Pa. Liquid-gas contact apparatus. 2,628,159, Feb. 10.

Reitfort, Henry A., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Device for printing and nonprinting as controlled by comparison of dates. 2,627,805, Feb. 10.
 Renae, Daniel S., Los Angeles, assignor of one-third to R. C. Lawlor, Alhambra, Calif. Air-conditioning apparatus. 2,628,083, Feb. 10.
 Republic Patent Corporation, assignee: See—
 Binks, Melvin J.
 Republic Steel Corporation, assignee: See—
 Darner, Frederic M., and Brakeman.
 Krauss, Wolfgang W.
 Schaefer, Walter S.
 Whitehouse, Zebulon W.
 Research Corporation, assignee: See—
 Li, Yao T.
 Shive, William.
 Research Products Corporation, assignee: See—
 Frohmader, Stanley H., and Archer.
 Frohmader, Stanley H., and Shoemaker.
 Shoemaker, Milton J.
 Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Magnetic head construction. 2,628,286, Feb. 10.
 Rhodden, George M., Canon City, Colo. Crop spraying machine. 2,628,128, Feb. 10.
 Rhodes, Early C., Norfolk, Va. Bracket for supporting curtain holding bars. 2,628,053, Feb. 10.
 Ribbing, Carl A., Denver, Colo. Key case. 2,627,743, Feb. 10.
 Richards, John C., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of acrylonitrile to polymers of controlled molecular weight. 2,628,223, Feb. 10.
 Richardson, Robert D., assignor to The Hays Corporation, Michigan City, Ind. Measuring instrument. 2,628,332, Feb. 10.
 Richarts, Paul, Sheffield, England. Scissors with twist in each blade. 2,627,656, Feb. 10.
 Ries, Elmer F., assignee: See—
 Thleman, John B.
 Riley Stoker Corporation, assignee: See—
 Rogers, Wayne C., and Bolton.
 Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Device for setting up cartons. 2,627,791, Feb. 10.
 Rion, Kall E., Langborne, Pa. Spacer for car loaded boxes. 2,627,820, Feb. 10.
 Rist, Gottlieb A.: See—
 Hohl, George I., Welse, and G. A. and J. M. Rlat.
 Ritter, Herman, Cranford, assignor to The Slinger Manufacturing Company, Elizabeth, N. J. Lubricating and guarding means for sewing machines. 2,627,830, Feb. 10.
 Robbins, John, Honaunau, Territory of Hawaii. Piano keyboard. 2,627,777, Feb. 10.
 Roberts, William C., and O. E. Duffy, Chattanooga, Tenn., assignors of one-fourth to C. H. Duffy, Washington, D. C. Cam cleat. 2,627,834, Feb. 10.
 Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Latch operating mechanism. 2,628,117, Feb. 10.
 Robinson, Norman, Southport, and P. R. Luttera, Fairfield, Conn. Permanent built-in folding boarding ladder for boats. 2,627,831, Feb. 10.
 Robotron Corporation, assignee: See—
 Rockafellow, Stuart C.
 Rockafellow, Stuart C., Farmington, assignor to Robotron Corporation, Detroit, Mich. Gas tube energizing and timing device. 2,628,331, Feb. 10.
 Rockwell, Edward A., Shaker Heights, Ohio. Power unit for delivering hydraulic power. 2,627,726, Feb. 10.
 Rockwell Manufacturing Company, assignee: See—
 Smith, William I.
 Roe, John H., Collingswood, N. J., assignor to Radio Corporation of America. Automatic phase control circuit. 2,628,279, Feb. 10.
 Rogers, Wayne C., and L. A. Bolton, Jr., assignors to Riley Stoker Corporation, Worcester, Mass. Stationary peg or pulverizer for rotary beater mills. 2,628,038, Feb. 10.
 Rohm & Haas Company, assignee: See—
 Bliss, Robert H.
 Bortnick, Newman M.
 Rolls-Royce Limited, assignee: See—
 Johnson, Christopher L.
 Lombard, Adrian A.
 Lombard, Adrian A., Morley, Davis, and Wilkinson.
 Roos, Raymond B., Morristown, N. J. Sample dispensing device. 2,627,972, Feb. 10.
 Rope, Barton W.: See—
 Conradt, Harry L., Rope, and Sachanen.
 Roper, Geo. D., Corporation, assignee: See—
 Abrams, Victor R.
 Rose, Samuel, Bayonne, N. J. Doll eye. 2,627,701, Feb. 10.
 Rosen, Leonard J., East Orange, L. Kruth, Newark, and B. B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Lower elliptical acid eaters of cellulose. 2,628,232, Feb. 10.
 Rosenlund, Iver T., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Combustion means for jet propulsion units. 2,627,721, Feb. 10.

Royal Vacuum Cleaner Company, assignee: See—
 Martinet, Eugene F.
 Runnels, Clarence H., Nashville, Tenn. Hydraulic vent valve. 2,627,868, Feb. 10.
 Russell, Obed M., Des Plaines, assignor to R. T. Moloney, Chicago, Ill. Mechanical pencil of the push-button type. 2,627,842, Feb. 10.
 Rust, John B.: See—
 MacKenzie, Charles A., and Rust.
 Rust, John B., East Hanover, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Copolymers, including silicones and hydrogen bonded to silicon. 2,628,213, Feb. 10.
 Rutledge, Carl M., Chicago, Ill. Collapsible cart. 2,628,108, Feb. 10.
 Ryan, Joe S., assignee: See—
 Lloyd, Jack M., and Williamson.
 Sachanen, Alexander N.: See—
 Conradt, Harry L., Rope, and Sachanen.
 Sackner Products, Inc., assignee: See—
 Cook, Wayne S.
 Saecker, Margaret L., West Englewood, N. J. Bookholder. 2,627,694, Feb. 10.
 Sanders, Herbert L., Chicago, Ill., and R. L. Mayhew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Inhibiting precipitation of 2,4-D salts in hard water. 2,628,162, Feb. 10.
 Sanitized Beaches, Inc., assignee: See—
 Chatten, Victor H.
 Sapp, Julius E., and W. F. Gillespie, Rogalusa, and P. A. McKim, Baton Rouge, La., assignors to Gaylord Container Corporation, St. Louis, Mo. Production of terpeneol. 2,628,258, Feb. 10.
 Sard, Bernard A., Osterley, England, assignor to The Permutit Company, New York, N. Y. Regeneration of ion exchangers. 2,628,191, Feb. 10.
 Sarnoff, Stanley J., Boston, Mass. Container. 2,628,001, Feb. 10.
 Sathre, Curtis J., Longview, and T. A. Cheesman, Kalama, Wash. Snubber for crane booms. 2,627,985, Feb. 10.
 Sauer, George: See—
 Wallenberg, Ned L., and Sauer.
 Sauer, John C.: See—
 Cairns, Theodore L., and Sauer.
 Sava, Sal J., Port Chester, N. Y. Portable grille. 2,627,854, Feb. 10.
 Schade, Elmer F.: See—
 Wilcox, Marion J., and Schade.
 Schaefer, Walter S., East Gadsden, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for inert-arc welding. 2,628,325, Feb. 10.
 Schener, Clemens, Forest Hills, N. Y. Adjustable shelf mounting. 2,628,141, Feb. 10.
 Schialret, Paul J., Mount Vernon, Ohio. Tow bar. 2,628,107, Feb. 10.
 Schlesinger, Arthur H.: See—
 Mowry, David T., and Schlesinger.
 Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Synchronizing pulse differentiating and rectifying circuit. 2,628,276, Feb. 10.
 Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Synchronization system. 2,628,313, Feb. 10.
 Schlicksupp, Theodore F., Long Island City, N. Y. Candy wrapping machine. 2,627,709, Feb. 10.
 Schlicksupp, Theodore F., Long Island City, N. Y. Self-closing collapsible tube. 2,628,004, Feb. 10.
 Schmidt, Mark S.: See—
 Fredenhagen, Walter S., and Schmidt.
 Schmidt, Peter J., Everett, Wash. Alleron control system. 2,628,045, Feb. 10.
 Schnert, Edward H., Chicago, Ill. Elevating truck. 2,628,068, Feb. 10.
 Schoenfeld, Henry F., Cleveland, and R. J. Smithisler, Kirtland Township, Lake County, assignors, by means assignments, to The Ajax Thermostatic Controls Company, Gates Mills, Ohio. Safety pilot control. 2,627,807, Feb. 10.
 Schonitzer, Rudolph I., Shaker Heights, Ohio. Door check and holding device. 2,627,624, Feb. 10.
 Schor, Paul B., Sunbury, Pa. Child's garment. 2,627,604, Feb. 10.
 Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Analysis of signal transfer devices. 2,628,260, Feb. 10.
 Schroeder, Joseph H., Oshkosh, Wis. Steering control for outboard motors. 2,627,833, Feb. 10.
 Schuettenhelm, Cella H.: See—
 Schuettenhelm, John B., and C. H.
 Schuettenhelm, John B., and C. H. Schuettenhelm, Pasadena, Calif. Musical doll. 2,627,699, Feb. 10.
 Schulte, Mike T., L. J. Litchy, and E. W. Downward, Little Falls, Minn. Snow loading device. 2,627,680, Feb. 10.
 Schultz, Carl: See—
 Clark, John R., and Schultz.
 Schulze, Karl F., Minneapolis, Minn. Apparatus for molding and packaging ice cream. 2,627,824, Feb. 10.
 Schwars, Ella, New York, N. Y. Convertible clothes rack and screen. 2,627,980, Feb. 10.
 Schwarzenberg, Russell E.: See—
 Houette, Ralph J., and Schwarzenberg.
 Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Making an element having a fin. 2,627,652, Feb. 10.

Selvally, Bernice M., Houston, Tex. Casing scraper. 2,627,925, Feb. 10.
 Scott & Williams, Incorporated, assignee: See—
 Bristol, Paul W.
 Lawson, Robert H.
 Scullin, Carl H., Florham Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High power tube blocking condenser. 2,628,328, Feb. 10.
 Selck, Walter E., and Co., assignee: See—
 Drain, Herbert D.
 Sellers, Clemille F., El Banco, Colombia, South America, assignor to Robt. H. Ray, Inc. Geophysical prospecting device. 2,627,727, Feb. 10.
 Seltzer, Robert W., Hartford, Conn. Hose clamp. 2,627,635, Feb. 10.
 Senn, Arthur L., and C. D. Gould, Seattle, C. Evensen, Sebold, and A. L. Senn, Jr., assignors to Colby Steel & Manufacturing, Inc., Seattle, Wash. Crane construction. 2,627,984, Feb. 10.
 Senn, Arthur L., Jr.: See—
 Senn, Arthur L., Gould, Evensen, and Senn.
 Seward, Edgar C., Alexandria, Va. Material handling mechanism. 2,627,959, Feb. 10.
 Sexton, Arthur R., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Production of arylacetaldhydes. 2,628,255, Feb. 10.
 Seybold, Frederick W., Westfield, N. J. Rotary, multiple turbine hydraulic coupling. 2,627,723, Feb. 10.
 Seybold, Frederick W., Westfield, N. J. Rotary, multiple turbine hydraulic coupling. 2,627,724, Feb. 10.
 Shallow, Lawrence R., North Arlington, N. J., assignor to Radio Corporation of America. Induction heating of recording stylus. 2,628,104, Feb. 10.
 Sheetman, Arthur, Jamaica, N. Y. Door reinforcement means. 2,627,633, Feb. 10.
 Shell Development Company, assignee: See—
 Nozaki, Kenzie.
 Shive, William, Austin, Tex., assignor to Research Corporation, New York, N. Y. Carboxylic ion exchange resin purification of vitamin B₁₂. 2,628,186, Feb. 10.
 Shockey, Richard L., El Reno, Okla. Recoil reducer and accuracy improver. 2,627,686, Feb. 10.
 Shoemaker, Milton J.: See—
 Frohmader, Stanley H., and Shoemaker.
 Shoemaker, Milton J., assignor to Research Products Corporation, Madison, Wis. Viscous hydrophilic composition and making the same. 2,628,205, Feb. 10.
 Shuster, Romaine P.: See—
 Mann, John, and Shuster.
 Siegel, David T., assignee: See—
 Berkelhamer, Louis H.
 Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor. 2,627,920, Feb. 10.
 Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,627,944, Feb. 10.
 Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Adjustable liquid color filter for photographic enlargers. 2,627,786, Feb. 10.
 Simmon Brothers, Inc., assignee: See—
 Simmon, Alfred.
 Simmons, R. A., Vernonla, Greg. Dry kiln. 2,627,671, Feb. 10.
 Simon, Simon A., Longmeadow, and A. H. Drellich, Springfield, assignors, by means assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Astatic vehicle seat. 2,627,901, Feb. 10.
 Simon, Simon A., Longmeadow, and A. H. Drellich, Springfield, assignors, by means assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Rendering synthetic resins astatic. 2,628,176, Feb. 10.
 Sinclair Reeling Company, assignee: See—
 Kuhn, George F.
 Teter, John W.
 Wilcox, Marion J., and Schade.
 Sinea, William V., Flint, Mich. Marble carrier. 2,627,973, Feb. 10.
 Singer, Kurt, North Hollywood, Calif., assignor to Radio Corporation of America. Photoelectric cell coupling circuit. 2,628,317, Feb. 10.
 Singer Manufacturing Company, The, assignee: See—
 Ritter, Herman.
 Sjogren, Harry A., Wauwatosa, Wis. Cargo bracing means. 2,627,821, Feb. 10.
 Skillman, Thomas S., Mosman, near Sydney, New South Wales, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Conveyor system. 2,627,967, Feb. 10.
 Skillman, Thomas S., Mosman, near Sydney, New South Wales, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Stock distributing system. 2,627,941, Feb. 10.
 Slater, Raymond E., New Rochelle, assignor of one-half to W. J. Warburton Associates, Inc., New York, N. Y. Fishing reel. 2,628,041, Feb. 10.
 Slattery, Edward J., Montgomery County, Md. Expandable cabinet. 2,628,145, Feb. 10.
 Smellie, Harry, North Hollywood, Calif. Pipe union. 2,628,111, Feb. 10.
 Smith, Arthur L. J., Lancaster, Pa., assignor to Radio Corporation of America. Zinc-magnesium oxide luminescent materials and making same. 2,628,201, Feb. 10.
 Smith, Harold M., Greensboro, N. C. Garment hanger. 2,628,006, Feb. 10.

Smith, James W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air-conditioning control system. 2,628,076, Feb. 10.

Smith, Paul V., Jr., Westfield, D. W. Young, Roselle, and R. G. Newberg, Roselle Park, N. J., assignors to Standard Oil Development Company. Terephthalate esters as plasticizers for polyvinyl resins. 2,628,207, Feb. 10.

Smith, Philip N., Warwick, R. I. Liquid depth measuring device. 2,627,660, Feb. 10.

Smith, Raymond E.: See—
Walmaley, Leslie L., and Smith.

Smith, William I., Wilkesburg, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Light weight rotary fluid meter and register drive assembly. 2,627,848, Feb. 10.

Smithe, F. L., Machine Co., Inc., assignee: See—
Novick, Abraham.

Smithiser, Raymond J.: See—
Schoenfeld, Henry F., and Smithiser.

Snyder, Almond H.: See—
Maybach, Gerald E., and Snyder.

Socony-Vacuum Oil Company, Incorporated, assignee: See—
Coonradt, Harry L., Rope, and Sachanen.

Sokolowski, Adam, Conrath, Wis. Ice fishing device. 2,627,680, Feb. 10.

Solotane Corporation, assignee: See—
Wilson, Forrest E., and Allen.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,628,273, Feb. 10.

Soppeland, Clair O., Minneapolis, Minn. Rain shade attachment. 2,627,912, Feb. 10.

Southwest Metal Industries, assignee: See—
MacKensie, James.

Spaeth, Irvin J., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,627,947, Feb. 10.

Spaulding, Lyman R.: See—
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.

Speler, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trialkylsilylcyclohexanols and preparation thereof. 2,628,244, Feb. 10.

Speler, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trialkylsilyladipeic acid. 2,628,245, Feb. 10.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Relay type selecting circuit arrangement. 2,628,277, Feb. 10.

Spencer, Theodore N., Muncie, Ind. Flow responsive pressure regulator. 2,627,703, Feb. 10.

Spero, George B.: See—
Levin, Robert H., McIntosh, and Spero.

Sperry Products, Inc., assignee: See—
Drake, Harcourt C.

Spialue, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,627,783, Feb. 10.

Sport Products, Inc., assignee: See—
Goldsmith, Hngo.

Sprague Electric Company, assignee: See—
Brafman, Harold E.

Spray, Lester E.: See—
Johnson, Paul S., and Spray.

Staff, Per H., Alaten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifuge with auxiliary feed arrangement. 2,628,021, Feb. 10.

Stage, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,627,788, Feb. 10.

Stage, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Condition responsive valve control circuit. 2,627,875, Feb. 10.

Stalker, Edward A., Bay City, Mich. Gas turbine combustion chamber having controlled laminar flow of air for combustion and insulation. 2,627,719, Feb. 10.

Standard Oil Development Company, assignee: See—
Arundale, Erying, and Baues.

Smith, Paul V., Jr., Young, and Newberg.

Tutwiler, Thomas S.

Van Gilder, Carl F., and Harney.

Young, David W.

Stanley Works, The, assignee: See—
Robinson, David M.

Stearns, Roswell H., Wauwatosa, and H. W. Buus, Milwaukee, assignors of one-half to said R. H. Stearns and one-half to R. N. Stearns, Fox Point, Wis. Magnetic separator. 2,627,976, Feb. 10.

Stearns, Roswell N., assignee: See—
Stearns, Roswell H., and Buus.

Steel Products Engineering Company, The, assignee: See—
Brehm, Charles M.

Gets, Delmond L.

Steele, Richard E., and J. Jordan, New Castle, Pa., assignors to Ram, Incorporated, Detroit, Mich. Multiple gutter mold. 2,627,641, Feb. 10.

Stephens, Robert H.: See—
Hawes, Russell J., Miller, and Stephens.

Stevens, Richard F.: See—
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.

Stevenson, William A., Opportunity, assignor to W. B. Hopkins, Spokane, Wash. Combination baby seat and armrest for automobiles. 2,627,903, Feb. 10.

Stewart-Warner Corporation, assignee: See—
Leonard, John T.

Stickley, Leopold, Fayetteville, N. Y. Center extension serving table. 2,628,143, Feb. 10.

Stiles, Le Conle, Seattle, Wash. Production of layer pastry. 2,627,825, Feb. 10.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes of the anthraquinone series. 2,628,230, Feb. 10.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compounds of the anthraquinone series. 2,628,231, Feb. 10.

Stokes, Arthur J., and H. W. Carhart, Washington, D. C. Preparing protective clothing. 2,628,174, Feb. 10.

Stooley, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Sculpturing glass. 2,628,160, Feb. 10.

Stringfield, Theodore W., Portland, R. F. Stevens, Oswego, L. R. Spaulding, Portland, and W. V. Behrens, Rainier, Oreg., assignors to the United States of America as represented by the Secretary of the Interior. Electric line fault locators. 2,628,267, Feb. 10.

Strand, James J., assignor to Lemco Products, Inc., Bedford, Ohio. Leveling gauge. 2,627,665, Feb. 10.

Stromberg-Carlson Company, assignee: See—
Flewelling, Edmund T.

Morris, Frank A.

Stroup, Charles L., Oak Park, Ill. Circuit interrupter. 2,628,269, Feb. 10.

Sturwald, Arthur J., Chicago, Ill. Trailer hitch. 2,628,106, Feb. 10.

Sun Rubber Company, The, assignee: See—
Fenton, Frank.

Sutherland, John W., Knoxville, Tenn. Adjustable church pew. 2,627,000, Feb. 10.

Swan, Ernest W., Long Beach, Calif. Combined holder and dispenser for tube contained materials. 2,627,999, Feb. 10.

Swartwout Company, The, assignee: See—
Gilliland, Roger L.

Sylvania Electric Products Inc., assignee: See—
Norton, Clyde J.

Szelwach, Stanley S., Jackson Heights, assignor to Q-O-S Corporation, New York, N. Y. Range finder. 2,627,779, Feb. 10.

Talbot, Cyrus G. and J. F., Chicago, Ill. Battery retainer for electric hand lamps. 2,628,305, Feb. 10.

Talbot, Joseph F.: See—
Talbot, Cyrus G. and J. F.

Taylor, Clarence R., Penfield, N. Y. Beam compass set. 2,627,662, Feb. 10.

Taylor, Lawrence B., Hillsborough, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine keyboard. 2,628,030, Feb. 10.

Taylor, Roland C., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Inductance coil. 2,628,342, Feb. 10.

Teall, Oliver E., Phoenix, assignor of one-third to W. Edds, Seneca Falls, and one-third to D. Cruthley, Cicero, N. Y. Machine for cutting tissue. 2,627,922, Feb. 10.

Tecumseh Products Company, assignee: See—
Higham, William W.

Telitel, Sidney: See—
Goldberg, Moses W., and Telitel.

Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Extensometer calibrating instrument. 2,627,661, Feb. 10.

Teter, John W., Chicago, Ill., assignor to Sinclair Redning Company, New York, N. Y. Aerogel diffusion unit. 2,627,933, Feb. 10.

Texas Company, The, assignee: See—
Crumline, Kenneth C.

Textile Machine Works, assignee: See—
Eache, Kurt G.

Thleman, John B., assignor of one-third to E. F. Ries and one-third to C. L. Hall, Cincinnati, Ohio. Mechanical walker for invalids. 2,627,904, Feb. 10.

Thomas, Lawrence S., Flushing, and T. Edwards, Sunny-side, assignors to City Tank Corporation, Corona, N. Y. Refuse truck loader. 2,627,988, Feb. 10.

Thompson, Martin A., Davenport, Iowa. Article-handling hoist and conveyor. 2,627,968, Feb. 10.

Thomson, John B., assignee: See—
Magee, Robert C.

Tide Water Associated Oil Company, assignee: See—
Hawes, Russell J., Miller, and Stephens.

Timken Roller Bearing Company, The, assignee: See—
Ashton, Dennis.

Baker, John B.

Titan Tool Company, assignee: See—
McKean, Boyd A.

Titus, Robert M., Enterprise, Oreg., assignor to The Bristol Company, Waterbury, Conn. Differential pressure indicating device. 2,627,750, Feb. 10.

Tod, George B., Schenectady, N. Y. Vehicle speed warning device. 2,628,345, Feb. 10.

Torntensen, Kristian T., Millet, Alberta, Canada. Fence and fence post construction. 2,628,075, Feb. 10.

Tot-Lines, Inc., assignee: See—
Hargrave, Arthur P.

Townsend, Franklin L.: See—
Crandall, Charles B., and Townsend.

Trailmobile Inc., assignee: See—
Black, James J.

Trapp, Patrick A., Butte, Mont. Wheel construction. 2,628,132, Feb. 10.

Trevor, Bertram A.: See—
Peterson, Harold O., and Trevor.

Tri-Clover Machine Co., assignee: See—
Hinrichs, Ferdinand.

Trico Products Corporation, assignee: See—
Rappl, Anton.

Triestram, Herman L., Kalamazoo, Mich. Lifting tong. 2,628,120, Feb. 10.

Trilolo, Louis, Brooklyn, N. Y. Machine for creasing box blanks. 2,627,029, Feb. 10.

Trodmov, Lev A., Willoughby, Ohio. Electric regulator. 2,628,341, Feb. 10.

Turk, Joseph A. V., Miami Beach, Fla., assignor to Felt and Tarrant Manufacturing Company. Key-driven calculating machine. 2,628,020, Feb. 10.

Tutwiler, Thomas S., Elizabeth, N. J., assignor to Standard Oil Development Company. Polymerization of methacrylate esters with benzoyl peroxide-benzoinferic laurate catalyst. 2,628,225, Feb. 10.

Twin Disc Clutch Company, assignee: See—
Wolf, Lloyd J.

Tyrner, Joseph M., Brookside, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Arc welding apparatus. 2,628,302, Feb. 10.

Union Carbide and Carbon Corporation, assignee: See—
Hoaglin, Raymond L., and Hirsch.

Meincke, Edward.

Union Special Machine Company, assignee: See—
Wallenberg, Ned L., and Sauer.

Union Steel Products Company, assignee: See—
Bitney, Dewey H.

United Aircraft Corporation, assignee: See—
Sikorsky, Igor I.

United States Atomic Energy Commission, United States of America as represented by the, assignee: See—
Gould, Charles D.

Grauer, Carl T.

Kerns, Quentin A.

U. S. Blind Stitch Machine Corp., assignee: See—
Buono, Mario.

U. S. Bobbin & Shuttle Company, assignee: See—
Gosselin, Wilfrid J.

United States Rubber Company, assignee: See—
Ball, Arthur W.

Flak, Charles F.

Foster, Bontwell H.

Ladd, Elbert C.

Upjohn Company, The, assignee: See—
Hogg, John A.

Levin, Robert H., McIntosh, and Spero.

Van Dam, Walter L.: See—
Herder, Harry D., and Van Dam.

Vandervieren, Almé A., assignor to Goodman and Vandervieren Limited, Berkhamsted, England. Staple support for stapling machines. 2,627,601, Feb. 10.

Van Gilder, Carl F., Roselle, and W. C. Harney, Elizabeth, N. J., assignors to Standard Oil Development Company. Solutions of rubbery polymers from particles of uniform diameter. 2,628,203, Feb. 10.

Vang, Alfred, Carmel, Calif. Electric hammer. 2,628,319, Feb. 10.

Van Ryan, Anthony, South Milwaukee, assignor to McGraw Electric Company, Milwaukee, Wis. Electromagnetic pump. 2,627,811, Feb. 10.

Varo Mfg. Co., Inc., assignee: See—
Murray, Joseph J., Jr.

Veeder-Root Incorporated, assignee: See—
Jones, William F.

Ventura Tool Company, assignee: See—
Williams, William J., and Hanes.

Verdier, Willis J., Sidney, Ohio. Electric garage door operator. 2,628,090, Feb. 10.

Vicensi, Reno L.: See—
McCarty, Lourdes V., and Vicensi.

Vickers, Incorporated, assignee: See—
Weathers, Leland C.

Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. High-voltage supply for cathode-ray tubes. 2,628,327, Feb. 10.

Villard, Marcel, Colombes, France. Universal joint. 2,627,734, Feb. 10.

Vogt, Clarence W., Norwalk, Conn. Article for packaging materials. 2,628,013, Feb. 10.

Volk, J. Vincent, assignee: See—
Kent, Howard.

Volkman, John E., Haddon Heights, and M. L. Graham, Moorestown, N. J., assignors to Radio Corporation of America. Acoustic filter for microphones. 2,627,932, Feb. 10.

Vonnegut, Anton, assignee: See—
Bruner, George W.

Waddell, John H., North Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Optical projecting comparator. 2,627,780, Feb. 10.

Waldner, William J.: See—
Kurtz, Franz J., Phillips, and Waldner.

Wales, George F., Kenmore, N. Y. Clutch mechanism. 2,627,758, Feb. 10.

Walker, Claud C., Sr.: See—
Mater, Milton H., and Walker.

Wallenberg, Ned L., Chicago, and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Overedge sewing machine. 2,627,829, Feb. 10.

Waller, Carl R., assignor to De Laval Steam Turbine Company, Trenton, N. J. Multiple gas turbine power plant having speed governors to bypass power turbine and regulate fuel feed. 2,627,717, Feb. 10.

Walmaley, Leslie L., Ridley Park, and R. E. Smith, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Simultaneously stabilizing and applying a vat dye to textile material comprising regenerated cellulose. 2,628,151, Feb. 10.

Walter, Charles E., Indianapolis, Ind. Release attachment for wrenches and the like. 2,627,774, Feb. 10.

Walter, Martin E., Clarinda, Iowa. Self-operated airplane wing. 2,627,896, Feb. 10.

Wanner, George D., Dayton, Ohio. Fishing boat. 2,627,693, Feb. 10.

War, United States of America as represented by the Secretary of, assignee: See—
Murr, Charles H.

Warburton, W. J., Associates, Inc., assignee: See—
Slater, Raymond E.

Warner & Swasey Company, The, assignee: See—
Bogart, Fred H.

Waterman, Nell S., Tarrytown, N. Y. Syringe. 2,627,856, Feb. 10.

Waterman, Nell S., Scarborough, N. Y. Container with hinged cover. 2,627,995, Feb. 10.

Watson-Stillman Co., The, assignee: See—
Farley, Francis S.

Watts, William W., Wynnewood, Pa., assignor to Radio Corporation of America. Tape-recelling system. 2,628,039, Feb. 10.

Weathers, Leland C., assignor to Vickers, Incorporated, Detroit, Mich. Compensated follow-up system. 2,628,334, Feb. 10.

Weber, Milton W., assignor to Knapp-Monarch Company, St. Louis, Mo. Push-button spigot. 2,628,060, Feb. 10.

Wedge Protectors, Inc., assignee: See—
Phillips, Stanley L.

Weise, Frederick H.: See—
Hohl, George I., Weise, Rist, and J. M. Rist.

Weiss, Gerhart, Sunnyside, N. Y. Jumping puppet. 2,627,700, Feb. 10.

Welborn, George, Los Angeles, Calif. Stereoscopic viewer. 2,627,781, Feb. 10.

Werner, Walter A., Fort Wayne, Ind. Portable flashlight with storage battery and rectifier. 2,628,339, Feb. 10.

Western Electric Company, Incorporated, assignee: See—
Bulla, James J.

Gray, Alvin N.

Harris, Robert A.

Lubbert, Carl B.

Moes, Earl C.

Rayburn, Vincent A.

Western Union Telegraph Company, The, assignee: See—
Taylor, Roland C.

Westinghouse Air Brake Company, assignee: See—
Bone, Herbert L.

Johnson, Paul S., and Spray.

McMahon, James E., Jr.

Westinghouse Electric Corporation, assignee: See—
Koch, Gustav H.

Scullin, Carl H.

Zalno, Corradino R.

Whalen, Edward J., North Providence, R. I. Automatic drain valve for air lines. 2,627,866, Feb. 10.

Wharton, Joseph B., Mara, assignor to The National Supply Company, Pittsburgh, Pa. Apparatus for screwing pipe couplings handtight on pipes. 2,627,772, Feb. 10.

Whirlpool Corporation, assignee: See—
Johnson, David A.

White, Blanche B.: See—
Rosen, Leonard J., Kruth, and White.

White, William E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Joint construction for paving slabs. 2,627,793, Feb. 10.

Whitehouse, Zebulon W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Grinding apparatus. 2,627,704, Feb. 10.

Whiteside, George H., Indianapolis, Ind. Bale case mounting latch mechanism. 2,627,802, Feb. 10.

Widmann, Rudolph R., Beverly Hills, Calif. Composition of matter to decrease the circulation of blood and lymph in vascular and allergic disorders. 2,628,184, Feb. 10.

Wilcox, Marion J., Harvey, Ill., and E. F. Schade, Highland, Ind., assignors to Sinclair Redning Company, New York, N. Y. Catalyst stripping vessel. 2,628,168, Feb. 10.

Wilkinson, Stanley C.: See—
Lombard, Adrian A., Morley, Davis, and Wilkinson.

Williams, Carl E., Jr.: See—
Bolcey, James H., and Williams.

Williams, Everard M., Pittsburgh, assignor to The Method X Company, Lansdale, Pa. Condenser-charging system for spark-cutting devices. 2,628,330, Feb. 10.

Williams, James N., Los Angeles, Calif. Ladder hoisting attachment. 2,628,071, Feb. 10.

LIST OF PATENTEEES

- Williams, John H., Barrington, and E. J. Masiney, Berwyn, Ill., assignors to Oak Mfg. Co. Electric switch. 2,628,293, Feb. 10.
- Williams, Robert M., Toledo, Ohio, and O. F. Wislicenus, Baltimore, Md., assignors to Packard Motor Car Company, Detroit, Mich. Circumferentially arranged combustion chamber with arcuate walls defining an air flow path between chambers. 2,627,720, Feb. 10.
- Williams, Sharp F., Indianapolis, Ind. Multiple unit wall bin. 2,627,982, Feb. 10.
- Williams, Victor G., assignor, by mesne assignments, to Delamere & Williams Company, Limited, Toronto, Ontario, Canada. Rotary side heat sealer for packages. 2,627,893, Feb. 10.
- Williams, William J., and J. W. E. Hanes, assignors to Ventura Tool Company, Ventura, Calif. Protective collar for drill pipes. 2,628,134, Feb. 10.
- Williamson, Wiley M.: *See—*
- Lloyd, Jack M., and Williamson.
- Willm, Raymond, Detroit, Mich. Vacuum controlling device for an engine carburetor. 2,627,850, Feb. 10.
- Willson, Corwin D., Flint, Mich. Demountable shelter. 2,627,949, Feb. 10.
- Wilson, Eura, assignee: *See—*
- Lloyd, Jack M., and Williamson.
- Wilson, Forrest E., Los Angeles, Calif., and S. E. Allen, Verona, N. J., assignors of one-half to Solotone Corporation, Los Angeles, Calif., and one-half to C.O. Two Fire Equipment Company, Newark, N. J. Coin operated entertainment system. 2,628,280, Feb. 10.
- Wilson, Victor A., Toronto, Ontario, Canada. Instruction apparatus for vehicle operation. 2,627,874, Feb. 10.
- Wislicenus, George F.: *See—*
- Williams, Robert M., and Wislicenus.
- Wisher, William L., assignor of fifty per cent to R. H. MacCreedy, Albuquerque, N. Mex. Valve spring compressor. 2,627,853, Feb. 10.
- Wittenberg, Edward H., assignor to National Pressure Cooker Company, Eau Claire, Wis. Safety lock for pressure cookers. 2,627,997, Feb. 10.
- Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Power transmission. 2,627,763, Feb. 10.
- Wood, Daniel W., Akron, Ohio. Toy drill. 2,627,698, Feb. 10.
- Wood, Harold R., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Safety device for record feeding controls. 2,627,964, Feb. 10.
- Wood, Marlon L., Highland, assignor to International Business Machines Corporation, New York, N. Y. Counter circuits. 2,628,310, Feb. 10.
- Wood, Russell J., South Sudbury, Mass. Paper-holding attachment for drafting boards. 2,627,696, Feb. 10.
- Wood, William M., Jonesville, Va. Bucket. 2,628,121, Feb. 10.
- Woods, John P., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Apparatus for underwater seismic operations. 2,627,930, Feb. 10.
- Worth, Francis C., Brooklyn, N. Y. Label pickup and printing machine. 2,627,809, Feb. 10.
- Wygand, William, Jr.: *See—*
- Meunier, Paul L., and Wygand.
- Yonkers, Edward H., Jr., Glencoe, assignor to Joslyn Mfg. & Supply Co., Chicago, Ill. Lightning arrester. 2,628,322, Feb. 10.
- Young, David W.: *See—*
- Smith, Paul V., Jr., Young, and Newberg.
- Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized synthetic rubber compositions containing 2,2-bis(2-hydroxy-3-T-butyl-5-methyl-phenyl)-propane. 2,628,212, Feb. 10.
- Young, L. A., Spring & Wire Corporation, assignee: *See—*
- Etchen, Fred L.
- Zaino, Corradino R., Hyde Park, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fan. 2,628,017, Feb. 10.
- Zaleski, John F., Valhalla, N. Y., assignor to General Precision Laboratory Incorporated. Apparatus for rotating microwave energy. 2,628,278, Feb. 10.
- Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Defrostable refrigeration system. 2,627,730, Feb. 10.
- Zenith Radio Corporation, assignee: *See—*
- Bridges, Jack E.
- Ziegelman, Wesley K., Los Angeles, Calif. Apparatus for regenerating water softeners. 2,628,192, Feb. 10.
- Zitner, Berthold R., Milwaukee, Wis. Machine-tool table-work clamp. 2,627,787, Feb. 10.
- Zubaty, Joseph, assignor to Gelling Industries Limited, Welland, Ontario, Canada. Speed regulator for electric motors. 2,628,295, Feb. 10.
- Zwirek, Paul F., assignor of one-half to New Orleans Furniture Manufacturing Company, New Orleans, La. Sander attachment for shaping machines. 2,627,706, Feb. 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Conveyer, Laterally flexible mine. J. F. Joy. Re. 23,618, Heating apparatus, Electrical. C. E. Weller. Re. 23,619, Feb. 10.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. S. Boerner. 1,165-6, Feb. 10. Rose plant. W. E. Lammerts. 1,167, Feb. 10.

LIST OF DESIGN INVENTIONS

- Arrow, Directional. E. H. Gelsler. 168,790, Feb. 10.
- Bat, Table tennis. G. H. Forsyth. 168,788, Feb. 10.
- Bead or similar article. A. C. Braun. 168,781, Feb. 10.
- Blank for a map or similar article. B. Klein. 168,797, Feb. 10.
- Bracelet, Expandable. S. Ritter. 168,808, Feb. 10.
- Brassiere. A. Garson. 168,789, Feb. 10.
- Broiler. M. A. Feinstein. 168,786, Feb. 10.
- Cabinet, Television. L. G. Martin. 168,798-9, Feb. 10.
- Chain for a wrist watch bracelet or the like, Expandable. W. C. Bools. 168,776, Feb. 10.
- Chair-desk. L. W. Brulin and L. F. Covey. 168,782, Feb. 10.
- Clasp for necklaces and the like. F. W. Young. 168,816, Feb. 10.
- Comport or similar article, Glass. H. Kling. 168,795, Feb. 10.
- Container and dispenser, Combined aerosol. R. A. Colotti. 168,783, Feb. 10.
- Container for refrigerators, Egg. J. L. Sholkin. 168,810, Feb. 10.
- Cooler, Automobile. T. L. Hedgpeth. 168,792-3, Feb. 10.
- Cup. C. M. Del Mas. 168,784, Feb. 10.
- Desk, School. G. W. Florian, H. W. Streck, and W. E. Kelsey, Jr. 168,787, Feb. 10.
- Dispenser, Melted butter. F. H. Newman, Jr., and C. B. Stevens. 168,802, Feb. 10.
- Display stand, Merchandise. G. J. Vetter. 168,813, Feb. 10.
- Gaming device. W. Stelg. 168,811, Feb. 10.
- Headboard or similar article, Bed. C. E. May. 168,800, Feb. 10.
- Helicopter. D. K. Jovanovich. 168,794, Feb. 10.
- Hobbyhorse. B. L. Murray, R. A. Tefft, and L. L. Hubby. 168,801, Feb. 10.
- Lamp base, Electric. D. Borowitz. 168,778-80, Feb. 10.
- Lamp, Electric. D. Borowitz. 168,777, Feb. 10.
- Lighting fixture, Fluorescent. J. K. Ulrick. 168,812, Feb. 10.
- Link. L. Wertheimer and R. J. Van Craeynest. 168,815, Feb. 10.
- Ornament or the like, Lapel. R. E. Rearick. 168,806, Feb. 10.
- Popcorn machine. S. M. Waas. 168,814, Feb. 10.
- Rug or similar article, Linoleum. B. R. Parke and A. J. Millard. 168,804, Feb. 10.
- Seat and table or similar article, Combination. H. J. Giltner. 168,791, Feb. 10.
- Shoe or similar article. M. Eisenberg. 168,785, Feb. 10.
- Sink spray. V. R. O'Brien. 168,803, Feb. 10.
- Stocking or similar article. R. H. and F. W. Kinley. 168,796, Feb. 10.
- Tall light fixture for automobiles. W. R. Porter. 168,805, Feb. 10.
- Tire. G. O. Beckman. 168,775, Feb. 10.
- Toy boat, Self-propelled. H. H. Reuther. 168,807, Feb. 10.
- Wall pocket or the like. M. Sapirstein. 168,809, Feb. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Actuating mechanism especially for hand levers. F. G. Nicolaus. 2,627,752, Feb. 10.
Addition compounds of rosin and maleic anhydride and their production. R. V. Lawrence and O. S. Eckhardt. 2,628,226, Feb. 10.
Additive proportioner for fluid lines. H. W. Hosmer and H. E. Chamberlain. 2,628,129, Feb. 10.
Adjustable shelf mounting. C. Scheuer. 2,628,141, Feb. 10.
Adjustable support. J. L. Anderson. 2,628,051, Feb. 10.
Aerogel diffusion unit. J. W. Teter. 2,627,933, Feb. 10.
Agitator raiser and belt release for suction cleaners. W. A. Humphrey. 2,627,623, Feb. 10.
Alleron control system. P. J. Schmidt. 2,628,045, Feb. 10.
Air cleaner. S. H. Beach. 2,627,935, Feb. 10.
Air-conditioning apparatus. D. S. Rense. 2,628,083, Feb. 10.
Air-conditioning control system. J. W. Smith. 2,628,076, Feb. 10.
Air distributing means for pot type burners. J. B. Moore, Jr. 2,627,909, Feb. 10.
Air inlet and throttle valve, Swivel type. H. A. Brown. 2,628,061, Feb. 10.
Air moistening and filtering device. E. A. Martinek. 2,627,934, Feb. 10.
Air outlet device for heating, cooling, ventilating, or other purposes. F. J. Kurth, L. R. Phillips, and W. J. Waidner. 2,627,799, Feb. 10.
Airplane, Tailless. P. S. Montgomery. 2,628,043, Feb. 10.
Air translating apparatus. G. H. Koch. 2,628,018, Feb. 10.
Air translating apparatus. G. H. Koch. 2,628,020, Feb. 10.
Alarm. F. C. Foster, Sr. 2,628,347, Feb. 10.
Aliphatic acid esters of cellulose. Lower. L. J. Rosen, L. Kruth, and B. B. White. 2,628,232, Feb. 10.
Alkali metal salts of isonicotinylhydrazinomethanesulfonic acid. H. H. Fox. 2,628,237, Feb. 10.
Alkaryl sulfonate detergent compositions, including a method of controlling the sodium sulfate content thereof. Production of. W. W. Crouch. 2,628,200, Feb. 10.
Alkyl maleate-vinyl acetate copolymers. E. Arundale and F. W. Hanea. 2,628,198, Feb. 10.
Alkyl maleate-vinyl ester copolymer. E. Arundale and F. W. Hanea. 2,628,220, Feb. 10.
Amides, Preparing. E. E. Magat. 2,628,217, Feb. 10.
Amino acetals, Producing. J. W. Copenhagen. 2,628,254, Feb. 10.
Amphibian landing craft, Submersible. N. Gagliano. 2,627,832, Feb. 10.
Amplification system. I. E. Groadoff. 2,628,290, Feb. 10.
Analgesic compounds and compositions. M. J. Lewenstein. 2,628,185, Feb. 10.
Analysis of signal transfer devices. A. C. Schroeder. 2,628,266, Feb. 10.
Anchor plate. D. F. Downing. 2,627,637, Feb. 10.
Antenna distribution system, Receiving station. H. G. Peterson and H. A. Trevor. 2,628,312, Feb. 10.
Antenna, Multiple slot. N. E. Lindenblad. 2,628,311, Feb. 10.
Aevil and stripper for punching and riveting machines. L. L. Marchant. 2,627,766, Feb. 10.
Apparatus for advancing plate material. F. M. Darner and R. E. Brakeman. 2,627,969, Feb. 10.
Apparatus for automatically continuously and alternately supplying a flowable commodity to alternately movable cartons carried in parallel lines. C. and D. Ray. 2,628,010, Feb. 10.
Apparatus for controlling highway crossing signals. J. E. McMahon, Jr. 2,628,306, Feb. 10.
Apparatus for converting hard ice cream or frozen confections to a product of softer consistency. W. S. Fredenhagen and M. S. Schmidt. 2,628,082, Feb. 10.
Apparatus for fracturing blocks of green frangible material. E. Garnich. 2,627,640, Feb. 10.
Apparatus for handling coils of strand material. V. A. Rayburn. 2,628,040, Feb. 10.
Apparatus for impregnating solid bodies. P. Huggins. 2,627,838, Feb. 10.
Apparatus for inert-arc welding. W. S. Schaefer. 2,628,325, Feb. 10.
Apparatus for making rotors for induction motors. E. C. Hopkins. 2,627,765, Feb. 10.
Apparatus for molding and packaging ice cream. K. F. Scholze. 2,627,824, Feb. 10.
Apparatus for pressing curved laminated safety glass. J. H. Bolcey and C. B. Williams, Jr. 2,628,177, Feb. 10.
Apparatus for regenerating water softeners. W. K. Ziegelman. 2,628,192, Feb. 10.
Apparatus for rotating microwave energy. J. F. Zaleski. 2,628,278, Feb. 10.
Apparatus for screwing pipe couplings hand-tight on pipes. J. B. Wharton. 2,627,772, Feb. 10.
Apparatus for synchronizing the speeds of power-driven mechanisms. E. M. May. 2,627,762, Feb. 10.
Apparatus for the support and sectioning of citrus fruit. R. Polk, Sr., and R. Polk, Jr. 2,627,884, Feb. 10.
Apparatus for underwater seismic operations. J. P. Woods. 2,627,930, Feb. 10.
Apparatus which facilitates the cleaning of Venetian blinds. E. F. Hansam. 2,627,916, Feb. 10.
Arc lamp carbon mechanism. C. N. Batsel. 2,628,324, Feb. 10.
Armchair, Rolling. A. H. Lussier. 2,627,895, Feb. 10.
Aromatic aldehydes, Preparation of. T. W. Campbell and G. M. Coppinger. 2,628,256, Feb. 10.
Article for packaging materials. C. W. Vogt. 2,628,013, Feb. 10.
Arylacetaldehydes, Production of. A. R. Sexton and E. C. Britton. 2,628,255, Feb. 10.
Ash tray for match packs, Detachable. R. H. Garber. 2,627,971, Feb. 10.
Assembling parts of gate valves. D. MacGregor. 2,627,651, Feb. 10.
Assembly device, Body type. J. F. Murphy. 2,627,794, Feb. 10.
Assembly outfit, Body type. J. F. Murphy. 2,627,795, Feb. 10.
Astatic vehicle seat. S. A. Simon and A. H. Drellich. 2,627,901, Feb. 10.
Attachment for shuffleboard game boards. B. E. Farmer. 2,628,103, Feb. 10.
Automatic phase control circuit. J. H. Roe. 2,628,279, Feb. 10.
Automatic transmission. S. Mayner. 2,627,764, Feb. 10.
Awning, Automobile. A. E. Hill. 2,627,913, Feb. 10.
Awning, Ventilated metal. R. G. Gunter. 2,627,634, Feb. 10.
Azo compounds of the anthraquinone series. F. B. Stilmar. 2,628,231, Feb. 10.
Azo dyes of the anthraquinone series. F. B. Stilmar. 2,628,230, Feb. 10.
Bag. See—
Traveling bag.
Bale case mounting latch mechanism. G. H. Whiteside. 2,627,802, Feb. 10.
Ball lift for use in marble pin games, Electrically actuated. M. J. Hinks. 2,628,102, Feb. 10.
Ball roller counterweight. J. L. Fincher. 2,627,759, Feb. 10.
Balls, Making play. F. Fenton. 2,627,892, Feb. 10.
Bank, Registering coin. M. G. Mainick. 2,628,028, Feb. 10.
Bar. See—
Tow bar.
Barbiturates and thiobarbiturates of 1,2,3-trisubstituted pyrazolones and producing such compositions, Substituted and unsubstituted. J. H. T. Ledrut. 2,628,233, Feb. 10.
Battery connector. J. J. Paterno. 2,628,262, Feb. 10.
Battery, Dry electric. R. R. Balaguer. 2,628,261, Feb. 10.
Battery liquid level indicator. G. E. Maybach and A. H. Snyder. 2,627,748, Feb. 10.
Battery retainer for electric hand lamps. C. G. and J. F. Talbot. 2,628,305, Feb. 10.
Beach cleaning machine. V. H. Chatten. 2,627,712, Feb. 10.
Bearing. See—
Porous chambered bearing. Roller bearing.
Bearing. W. F. Pittman. 2,628,136, Feb. 10.
Bearing for linear motion, Antifriction. R. C. Magee. 2,628,135, Feb. 10.
Bearing mounting. V. L. Grille. 2,627,626, Feb. 10.
Bed cover. L. H. Avila. 2,627,617, Feb. 10.
Bed-divan hinge. J. Lund. 2,627,613, Feb. 10.
Bed, Folding. E. N. Hogenes. 2,627,615, Feb. 10.
Benzocaine anesthetic solution. J. R. Reasenber. 2,628,182, Feb. 10.
Billiard cue chalking means. W. G. Bell. 2,628,096, Feb. 10.
Bin, Multiple unit wall. S. F. Williams. 2,627,982, Feb. 10.

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Bit. See—
Drill bit.
Boarding ladder for boats, Permanent built-in folding. N. Robinson and P. R. Luttera. 2,627,831, Feb. 10.
Bookholder. M. L. Saecker. 2,627,694, Feb. 10.
Box. See—
Picnic box. Suction box.
Self aligned lubricating Tap box.
stufing box.
Bracket for supporting curtain holding bars. E. C. Rhodes. 2,628,033, Feb. 10.
Brake arrangement. E. J. Stimanek. 2,627,044, Feb. 10.
Brake beam structure, Railway. I. J. Spaeth. 2,627,947, Feb. 10.
Brake cylinder bone. T. E. Brooks. 2,627,707, Feb. 10.
Brake for transmissions. H. L. Misch. 2,627,946, Feb. 10.
Brassiere and framework therefor. J. E. Littenfeld. 2,627,603, Feb. 10.
Bucket. W. M. Wood. 2,628,121, Feb. 10.
Bucket, Vacuum well. R. S. Henry. 2,627,926, Feb. 10.
Burner. See—
Oil burner.
Burner of the retort vaporizing type, Liquid fuel. P. A. Broady. 2,627,908, Feb. 10.
Cabinet. See—
Expandable cabinet.
Calculating machine, Key-driven. J. A. V. Turek. 2,628,026, Feb. 10.
Calculator for use with echo ranging training equipment, Range and altitude. M. E. Droz. 2,627,673, Feb. 10.
Calculator, Insurance. R. L. Baer. 2,628,027, Feb. 10.
Cam cleat. W. C. Roberts and O. E. Duffy. 2,627,834, Feb. 10.
Cam operated expanding wrench. V. J. Barnett. 2,627,773, Feb. 10.
Carbon set form. F. J. Hauer. 2,628,110, Feb. 10.
Carboxylic ion exchange resin purification of vitamin B₁₂. W. Shive. 2,628,186, Feb. 10.
Carburetor. R. A. Dittmer. 2,627,852, Feb. 10.
Carburetor. J. T. Raven. 2,628,085, Feb. 10.
Card punching machine. G. V. A. Malmros, E. A. Barber, Jr., and J. R. Engstrom. 2,627,924, Feb. 10.
Carding method and apparatus. A. M. Castell. 2,627,631, Feb. 10.
Cargo bracing means. H. A. Sjogren. 2,627,821, Feb. 10.
Carrier. See—
Combination invalid Curtain carrier.
stretcher carrier. Marble carrier.
Carrier rod control mechanism for knitting machines. K. G. Eache. 2,627,737, Feb. 10.
Cart, Collapsible. C. M. Rutledge. 2,628,108, Feb. 10.
Carton with cover, Paperboard. M. Goldsoll. 2,628,012, Feb. 10.
Cartons having metal tearing edges, Producing. R. M. Bergstein. 2,628,179, Feb. 10.
Case. See—
Key case. Refrigerated display case.
Casing scraper. B. M. Scivally. 2,627,925, Feb. 10.
Catalyst regenerator. G. F. Kubn. 2,628,157, Feb. 10.
Catalyst straining vessel. M. J. Wilcox and E. F. Schade. 2,628,158, Feb. 10.
Catalyzed and continuous addition chlorination of benzene. E. C. Britton, F. N. Alquist, and K. C. Kauer. 2,628,200, Feb. 10.
Center extension serving table. L. Stickley. 2,628,143, Feb. 10.
Centrifuge with auxiliary feed arrangement. P. H. Stauff. 2,628,021, Feb. 10.
Chain. See—
Power transmission chain.
Chair. See—
Folding chair.
Chair having an adjustable seat and back rest. G. M. Jackson. 2,627,898, Feb. 10.
Chambered articles containing a movable element, Making. J. Haller. 2,628,160, Feb. 10.
Check-weighing machine. M. Nobel and T. P. Howard. 2,628,035, Feb. 10.
Christmas tree holder. K. J. Hansson. 2,628,049, Feb. 10.
Circuit. See—
Automatic phase control Reverting call circuit.
circuit. Synchronizing pulse dif-
Condition responsive valve ferentiating and rectify-
control circuit. ing circuit.
Photoelectric cell coupling circuit.
Circuit arrangement, Relay type selecting. J. A. Spencer. 2,628,277, Feb. 10.
Circuit for testing, Amplifier. Q. A. Kerns. 2,628,268, Feb. 10.
Circuit interrupter. C. L. Stroup. 2,628,269, Feb. 10.
Circuits, Counter. M. L. Wood. 2,628,310, Feb. 10.
Clamp. See—
Hose clamp.
Machine-tool table work clamp.
Clamp for vibrating shank plows. W. T. Graham. 2,627,798, Feb. 10.
Clasp, Necktie. R. A. Brown. 2,627,636, Feb. 10.
Cleaner. See—
Atr cleaner.
Cloak. K. W. Binding. 2,627,994, Feb. 10.
Closure, particularly closures for sand boxes of vehicles. A. G. Dean. 2,627,958, Feb. 10.
Clothesline trolley. T. Finkbeiner and C. Funk. 2,627,819, Feb. 10.
Clutch. See—
Pedally-controlled power-operated clutch.
Clutch mechanism. G. F. Wales. 2,627,758, Feb. 10.
Coating compositions. S. A. Loukomsky. 2,628,208, Feb. 10.
Coating metal articles with bituminous materials. W. F. Fatz, Jr. 2,628,173, Feb. 10.
Coin control. W. M. Burnside. 2,627,961, Feb. 10.
Coin-control and circuit therefor, Plural switch. S. May. 2,627,962, Feb. 10.
Coin-controlled apparatus and change maker. M. G. Nelson. 2,627,963, Feb. 10.
Collar for drill pipes, Protective. W. J. Williams and J. W. E. Hanes. 2,628,134, Feb. 10.
Collar support. O. E. Nichols. 2,627,005, Feb. 10.
Colloid silver halide emulsions containing thallium, Making. J. D. Overman. 2,628,167, Feb. 10.
Color filter for photographic enlargers, Adjustable liquid. A. Simmon. 2,627,780, Feb. 10.
Combination invalid stretcher carrier. C. C. Nichols. 2,627,611, Feb. 10.
Combustion chamber with arcuate walls defining an air flow path between chambers, Circumferentially arranged. R. M. Williams and G. F. Wislicenus. 2,627,720, Feb. 10.
Combustion means for jet propulsion units. I. T. Rosenlund. 2,627,721, Feb. 10.
Compass set, Beam. C. R. Taylor. 2,627,662, Feb. 10.
Composition for control of coccidial infection. J. E. Johnson, Jr. 2,628,183, Feb. 10.
Composition of matter to decrease the circulation of blood and lymph in vascular and allergic disorders. R. R. Wildmann. 2,628,184, Feb. 10.
Compressor, Engine-driven air. F. J. Nengebauer, H. O. Berkner, and E. O. A. Naumann. 2,628,015, Feb. 10.
Compressor, Valve spring. W. L. Wisner. 2,627,653, Feb. 10.
Computer and control loading means operated thereby for grounded aviation trailers, Dynamic pressure. R. E. Kittredge. 2,627,675, Feb. 10.
Condenser. See—
High power tube blocking condenser.
Condenser-charging system for spark-cutting devices. E. M. Williams. 2,628,330, Feb. 10.
Condiment dispenser. A. Kurs. 2,627,992, Feb. 10.
Condition responsive valve control circuit. S. A. Staeger. 2,627,875, Feb. 10.
Confectionery container. J. G. Berthold, Jr. 2,628,169, Feb. 10.
Conical blender, Jacketed. R. B. Mack. 2,628,080, Feb. 10.
Connection for electrically conducting films. R. A. Gaiaer. 2,628,299, Feb. 10.
Connector. See—
Battery connector.
Connector for interconnecting terminals, Quick detachable. J. J. Buila. 2,628,203, Feb. 10.
Connectors with hard particle lining, Making. I. F. Matthysse. 2,627,649, Feb. 10.
Constant pressure hydraulic power transmitting system. E. V. Hunting. 2,627,815, Feb. 10.
Constant velocity shaft coupling. W. E. Amberg. 2,627,733, Feb. 10.
Construction material, Laminate. F. R. Loetscher. 2,628,144, Feb. 10.
Contacting solids and gases. E. C. Handwerk. 2,627,668, Feb. 10.
Container. See—
Confectionary container. Sanitary container.
Container. S. J. Sarnoff. 2,628,001, Feb. 10.
Container and amusement box, Combined. C. Lipson. 2,627,697, Feb. 10.
Container with binged cover. N. S. Waterman. 2,627,995, Feb. 10.
Control mechanism for aircraft surfaces. H. I. Johnson. 2,628,044, Feb. 10.
Controlling electrical demand, Method and device for. W. H. Lake. 2,628,318, Feb. 10.
Conveyer system. T. S. Skilman. 2,627,967, Feb. 10.
Conveyer, Loading. J. J. Eberle. 2,627,960, Feb. 10.
Cooling the blades of turbine rotors, Means for. R. H. Goddard. 2,628,064, Feb. 10.
Copolymers, including siliconols and hydrogen bonded to silicon. J. B. Rust. 2,628,213, Feb. 10.
Copolymers of vinyl esters and tertiary amino nitrogen-containing compounds and producing same. F. D. Marsh. 2,628,221, Feb. 10.
Cosmetic applicator. M. M. Bardugon. 2,627,621, Feb. 10.
Cotton tie buckling machine. J. W. Morrison. 2,627,889, Feb. 10.
Coupling. See—
Constant velocity shaft Rotary, multiple turbine
coupling. hydraulic coupling.
Hermetically-sealed shaft coupling.
Cover. See—
Bed cover. Violin case cover.

Cover for closing the hatchways of ships, Metallic. P. A. Mege. 2,627,835, Feb. 10.

Cranio construction. A. L. Senn, C. D. Gould, C. Evensen, and A. L. Senn, Jr. 2,627,984, Feb. 10.

Crankcase buster. C. F. Hoerner. 2,627,862, Feb. 10.

Crop spraying machine. G. M. Rhodeen. 2,628,128, Feb. 10.

Crushing machine. G. E. Kridler. 2,628,037, Feb. 10.

Cup holder. J. P. Frazierley. 2,628,054, Feb. 10.

Cup, Liquid dispensing. C. J. Dexter. 2,627,735, Feb. 10.

Curling of polyethylenes. P. S. Pinkney and R. H. Wiley. 2,628,214, Feb. 10.

Curtain carrier. F. W. Kunath. 2,627,625, Feb. 10.

Cylinder, Dobby pattern chain. W. E. Lundgren. 2,627,879, Feb. 10.

Decimal point and comma printing mechanism. H. S. Beattie, R. E. Page, and E. J. Rabenda. 2,627,806, Feb. 10.

Decimal point marker. G. C. Ellerbeck. 2,628,031, Feb. 10.

Decorative attachment for spectacles. W. E. May. 2,627,782, Feb. 10.

Defeathering device. G. F. McDougall. 2,627,627, Feb. 10.

Demand regulator. R. R. Holmes. 2,627,866, Feb. 10.

Demonstration device. O. L. Holmes. 2,627,678, Feb. 10.

Device for applying footwear to handicapped persons. H. N. Melling. 2,628,007, Feb. 10.

Device for printing and nonprinting as controlled by comparison of dates. H. A. Keltfort. 2,627,805, Feb. 10.

Device for removing snow. E. H. Daniels. 2,627,679, Feb. 10.

Device for setting up rartons. W. A. Ringler. 2,627,791, Feb. 10.

Diaper, Disposable. M. E. Miller. 2,627,858, Feb. 10.

Diaper pants. A. P. Hargrave. 2,627,859, Feb. 10.

Diaphragm type pressure indicator. Y. T. Li. 2,627,749, Feb. 10.

Die: See—

Tube cutting die.

Die holder for pneumatic marking hammers and the like. R. A. Pannier. 2,627,803, Feb. 10.

Differential pressure indicating device. R. M. Titus. 2,627,750, Feb. 10.

(Dimethoxymethyl) succinic anhydride and telomeric products. T. M. Patrick, Jr. 2,628,238, Feb. 10.

Dish, Covered serving. H. M. Maersch. 2,627,991, Feb. 10.

Dishwasher and article intercepting drawer therefor. M. Cavlicholl. 2,627,863, Feb. 10.

Dispenser: See—

Condiment dispenser.

Dispenser for solid free flowing material, Metering. W. B. Peterson. 2,628,002, Feb. 10.

Dispensing device, Sample. R. B. Roos. 2,627,972, Feb. 10.

Doll eye. S. Rose. 2,627,701, Feb. 10.

Doll, Musical. J. B. and C. H. Schuettenhelm. 2,627,609, Feb. 10.

Door check and holding device. R. I. Schonitzer. 2,627,624, Feb. 10.

Door construction. C. W. Kelly. 2,627,632, Feb. 10.

Door fastener. G. E. Dath. 2,627,950, Feb. 10.

Door operator, Electric garage. W. J. Verdler. 2,628,090, Feb. 10.

Door reinforcement means. A. Shectman. 2,627,633, Feb. 10.

Door system, Motor vehicle. A. Rappl. 2,628,091, Feb. 10.

Dough laminating apparatus. F. H. Hubbard. 2,627,822, Feb. 10.

Drain and bush valve. K. M. Adair. 2,627,871, Feb. 10.

Drapery. M. Gordon. 2,627,918, Feb. 10.

Drier. G. L. and M. M. Hurst. 2,627,670, Feb. 10.

Drier and room dehumidifier, Combined. R. R. Candor. 2,627,669, Feb. 10.

Drill: See—

Toy drill.

Drill assembly, Rotary percussion. J. B. Baker. 2,628,115, Feb. 10.

Drill bit. H. L. Kless. 2,628,073, Feb. 10.

Drill bit having groove with hard metal cutter insert brazed therein. J. B. Baker. 2,628,072, Feb. 10.

Dry kiln. R. A. Simmons. 2,627,671, Feb. 10.

Drying links, Method and apparatus for. J. R. Gillis. 2,627,667, Feb. 10.

Dump bed construction for wagons and trailer vehicles. Tilttable. M. E. and M. W. Palagrove. 2,628,127, Feb. 10.

Duplicating device, Stencil. E. E. Greenberg. 2,627,808, Feb. 10.

Dyeing modified polyacrylonitrile staple fabric. P. L. Meunier and W. Wygand, Jr. 2,628,152, Feb. 10.

Easel. A. J. Moir. 2,627,665, Feb. 10.

Edge roll for upholstered furniture. W. S. Cook. 2,627,902, Feb. 10.

Educational device. H. I. Polton. 2,627,672, Feb. 10.

Electing indirect heat transfer. E. C. Handwerk. 2,628,077, Feb. 10.

Egg-container separating device. C. Page. 2,627,900, Feb. 10.

8-arypurine derivatives and preparing same. G. H. Hitchings and G. B. Ellison. 2,628,235, Feb. 10.

Elastic yarn feeding means for knitting machines. R. H. Lawson. 2,627,738, Feb. 10.

Electric line fault locators. T. W. Stringfield, R. F. Stevens, L. R. Spaulding, and W. V. Behrens. 2,628,267, Feb. 10.

Electric regulator. L. A. Trofimov. 2,628,341, Feb. 10.

Electric switch. J. H. Williams and E. J. Mastney. 2,628,293, Feb. 10.

Electrical apparatus. E. J. Mastney. 2,628,292, Feb. 10.

Electrolytic capacitor, Molded. H. E. Brafman. 2,628,271, Feb. 10.

Electromagnetic actuator. W. H. Gilic. 2,628,272, Feb. 10.

Electromagnetic pump. A. Van Ryan. 2,627,811, Feb. 10.

Electromagnetic stepping mechanism. D. E. Hooker. 2,627,755, Feb. 10.

Elevator, Underground vehicle parking. F. M. and R. A. Nash. 2,627,942, Feb. 10.

Energizing and timing device, Gas tube. S. C. Rockafellow. 2,628,331, Feb. 10.

Engine: See—

Gas turbine and like engine.

Engine lubrication, Internal-combustion. L. D. Bakke. 2,627,940, Feb. 10.

Engraving machine. E. T. Green. 2,627,658, Feb. 10.

Entertainment system, Coin operated. F. E. Wilson and S. E. Allen. 2,628,280, Feb. 10.

Envelope patch applying mechanism. A. Novick. 2,627,792, Feb. 10.

Esterification process. A. J. Bruno, Jr. 2,628,249, Feb. 10.

Esters of alpha-acyl-alpha-naphthoquinonylsuccinic acid and process. E. C. Ladd. 2,628,239, Feb. 10.

Esters of di-aryl substituted acetic acids. M. W. Goldberg and S. Teitel. 2,628,247, Feb. 10.

Excavating and earth scattering machine. G. Diottl. 2,627,681, Feb. 10.

Expandable cabinet. E. J. Slattery. 2,628,145, Feb. 10.

Extractor: See—

Mining drill bit extractor.

Fabric: See—

Heat-conducting fabric.

Fabric and making the same, Single-ply corrugated. B. H. Foster. 2,627,644, Feb. 10.

Fabric cutter guard. F. L. Etchen. 2,627,657, Feb. 10.

Fan. C. R. Zaino. 2,628,017, Feb. 10.

Fan, Free air. G. H. Koch. 2,628,019, Feb. 10.

Fastener: See—

Door fastener.

Fastening means for frame elements or the like. R. S. Farr. 2,627,948, Feb. 10.

Faucet, Water. C. P. Holderith. 2,628,057, Feb. 10.

Feed mechanism for book trimming machines. C. L. Moyer. 2,627,906, Feb. 10.

Fence and fence post construction. K. T. Torstensen. 2,628,075, Feb. 10.

Fence, Portable hinged slat. J. W. Anderson. 2,628,074, Feb. 10.

Filter for microphones, Acoustic. J. E. Volkmann and M. L. Graham. 2,627,932, Feb. 10.

Fireplace front. C. C. Helwig. 2,627,914, Feb. 10.

Fishing float. G. D. Wanner. 2,627,693, Feb. 10.

Fishing line and plug retriever. M. Bress. 2,627,691, Feb. 10.

Fishing reel. R. E. Slater. 2,628,041, Feb. 10.

Fishing rod holder. W. A. McKinney. 2,628,048, Feb. 10.

Fishing signal. J. J. Kniffer. 2,627,690, Feb. 10.

5-benzyl-2,4-diamino-6-alkylpyrimidines and making the same. G. H. Hitchings and E. A. Falco. 2,628,236, Feb. 10.

Flash point apparatus. R. Matteson. 2,627,745, Feb. 10.

Flashlight with storage battery and rectifier, Portable. W. A. Werner. 2,628,339, Feb. 10.

Floating thickener. P. A. Curtis. 2,627,978, Feb. 10.

Flow responsive pressure regulator. T. N. Spencer. 2,627,703, Feb. 10.

Flow switch. E. J. Dillman. 2,628,296, Feb. 10.

Fluid flow control apparatus. M. H. Grove and A. U. Bryant. 2,627,870, Feb. 10.

Fluid pressure impact device. W. U. Boedeker. 2,627,846, Feb. 10.

Fluid transmission. W. E. Lewis. 2,627,954, Feb. 10.

Fluidized iron oxide-natural gas process for manufacturing synthesis gas. B. J. Mayland. 2,628,161, Feb. 10.

Fluoride-containing impression materials. S. E. Noyes and E. H. Lochridge. 2,628,153, Feb. 10.

Fluorine-containing lubricant. H. L. Conradt, B. W. Rope, and A. N. Sachanen. 2,628,196, Feb. 10.

Fluorocarbon acyl sulfuric acids. J. F. Dowdall. 2,628,253, Feb. 10.

Flush valve. E. F. Rothe. 2,627,873, Feb. 10.

Fly-ash handling apparatus. L. Elliott. 2,627,827, Feb. 10.

Folding chair. A. G. W. Grotefend. 2,627,899, Feb. 10.

Follow-up system, Compensated. L. C. Westhens. 2,628,334, Feb. 10.

Fountain applicator with magnetic valve. W. T. Keeshan. 2,628,005, Feb. 10.

Fracture nail and bone plate. J. W. Price. 2,627,855, Feb. 10.

Freezer divider. O. B. Hafner. 2,627,993, Feb. 10.

Fuel burner and paint scraper, Fluid. R. A. Mangieri. 2,627,905, Feb. 10.

Fuel control device. L. V. McCarty and R. L. Vicenzi. 2,627,011, Feb. 10.

Fuel metering system. I. H. Edelfelt and D. E. Garr. 2,627,718, Feb. 10.

Fuel metering system for internal-combustion engines. C. L. Johnson. 2,627,906, Feb. 10.

Furniture, Article of. H. B. Lasting. 2,627,616, Feb. 10.

Game apparatus, Electrical. J. M. Prentice. 2,628,101, Feb. 10.

Garment, Child's. P. B. Schor. 2,627,604, Feb. 10.

Garment hanger. H. M. Smith. 2,628,006, Feb. 10.

Garment supporter. A. Ellertsen. 2,627,639, Feb. 10.

Gas turbine and like engine. A. A. Lombard. 2,628,067, Feb. 10.

Gas turbine combustion chamber having controlled laminar flow of air for combustion and insulation. E. A. Stalker. 2,627,719, Feb. 10.

Gas turbine fuel feed system with vapor removing means. A. S. King, Jr. 2,627,907, Feb. 10.

Gauge: See—

Leveling gauge.

Gauge for checking parts in cylindrical articles. E. C. Moss. 2,627,664, Feb. 10.

Gauge means for implements. R. D. Acton. 2,627,797, Feb. 10.

Geophysical prospecting device. C. F. Sellers. 2,627,727, Feb. 10.

Glass, Sculpturing. S. D. Stookey. 2,628,160, Feb. 10.

Golf club. H. H. Murphy. 2,628,099, Feb. 10.

Golf grip device. B. M. Beebe. 2,628,100, Feb. 10.

Gradient indicating level. H. A. Levvero. 2,627,666, Feb. 10.

Grease, Lubricating. J. R. Allison and W. L. Bialock. 2,628,195, Feb. 10.

Grid, port structure for gas burners. V. R. Abrams. 2,627,910, Feb. 10.

Grille, Portable. S. J. Sava. 2,627,854, Feb. 10.

Grinding apparatus. Z. W. Whitehouse. 2,627,704, Feb. 10.

Gunstock assembly for firearms. J. Cooper. 2,627,688, Feb. 10.

Hairpin spreading device. M. F. Harris. 2,627,860, Feb. 10.

Half-waving device. F. H. Peyton. 2,627,861, Feb. 10.

Hammer, Electric. A. Vang. 2,628,319, Feb. 10.

Hammer, Gasoline. G. A. Carlson. 2,627,849, Feb. 10.

Hammer, Metal working. L. H. Phillips and G. C. Jones. 2,627,771, Feb. 10.

Handbag, Lady's. S. L. Cassell. 2,627,885, Feb. 10.

Hanger: See—

Garment hanger.

Hanger for electrical devices. Wall. B. R. Hardwick. 2,628,050, Feb. 10.

Harvester, Suction-type seed. C. T. Manning. 2,627,713, Feb. 10.

Hay baler. P. F. Jr., and J. M. Freeman. 2,627,714, Feb. 10.

Heat-conducting fabric. E. H. Hart. 2,628,046, Feb. 10.

Heat dispersing apparatus. E. E. Brandes. 2,627,800, Feb. 10.

Heat sealer for packages, Rotary side. V. G. Williams. 2,627,893, Feb. 10.

Heat-treating citrus juices. H. S. Madsen. 2,628,168, Feb. 10.

Heater control apparatus, Fluid. R. F. Dotson. 2,628,033, Feb. 10.

Heating panel, Radiant. W. W. Krauss. 2,628,078, Feb. 10.

Heating system for vertical industrial ovens of the conveyor type. C. F. Mayer. 2,628,087, Feb. 10.

Helicopter rotor. I. I. Sikorsky. 2,627,926, Feb. 10.

Herbicide compositions. D. T. Mowry and N. R. Piesbergen. 2,628,163, Feb. 10.

Hermetically-sealed shaft coupling. R. Munro. 2,627,753, Feb. 10.

High power tube blocking condenser. C. H. Scullin. 2,628,328, Feb. 10.

High viscosity products having petroleum oil base and product of such method, Making. S. H. Frohmader and V. C. Archer. 2,627,938, Feb. 10.

High-voltage supply for cathode-ray tubes. B. S. Vilkomerson. 2,628,327, Feb. 10.

Hitch for tractors, Controllable load transfer. E. V. Bunting. 2,627,796, Feb. 10.

Holst and conveyor, Article-handling. M. A. Thompson. 2,627,908, Feb. 10.

Holst attachment for tractors. W. C. Lathers, Jr. 2,627,983, Feb. 10.

Holsting attachment, Ladder. J. N. Williams. 2,628,071, Feb. 10.

Holder: See—

Christmas tree holder.

Fishing rod holder.

Cup holder.

Syringe holder.

Holder and dispenser for tube contained materials, Combined. E. W. Swan. 2,627,999, Feb. 10.

Homing system. K. W. Nighthenheler. 2,628,349, Feb. 10.

Hose clamp. R. W. Seltzer. 2,627,635, Feb. 10.

Hot bearing indication apparatus. P. S. Johnson and L. E. Spray. 2,628,344, Feb. 10.

Humidifier. E. W. Denman. 2,628,084, Feb. 10.

Hybrid wave guide mixer. C. J. Norton. 2,628,308, Feb. 10.

Hydraulic jack. D. Johnston. 2,627,722, Feb. 10.

Hydraulic operator for winches. S. Cochrane and A. R. Carpenter. 2,627,725, Feb. 10.

Hydraulic vent valve. C. H. Runnels. 2,627,868, Feb. 10.

Hydraulically operated reinforced collapsible valve. R. S. Johnson. 2,627,874, Feb. 10.

Hydrocarbon conversion process utilizing the gas lift as the conversion zone. C. G. Kirkbride and J. C. Dart. 2,628,188, Feb. 10.

Ice fishing device. A. Sokolowski. 2,627,689, Feb. 10.

Indicator: See—

Battery liquid level indi- Diaphragm type pressure cator.

Indicator mounting. L. A. Paine and W. J. Doream. 2,628,114, Feb. 10.

Igniter. J. P. Catlin. 2,627,810, Feb. 10.

Illuminated selector mechanism. E. G. Henry. 2,627,685, Feb. 10.

Illuminating means for car door locks. B. R. Boyd. 2,628,304, Feb. 10.

Illuminating means for tank type suction cleaners. N. C. Cuddeback. 2,628,303, Feb. 10.

Improvement in blowheads. E. L. Lowe. 2,627,702, Feb. 10.

Improving frequency response of sound systems, Means for. E. T. Flewelling. 2,627,931, Feb. 10.

Increasing viscosity of uncured alkyl copolymer resinous mixtures and product. C. F. Flak. 2,628,209, Feb. 10.

Incubator, Small animal. F. Johnson. 2,627,841, Feb. 10.

Indexing machine. L. A. Hautau. 2,627,647, Feb. 10.

Indexing mechanism. D. E. Hooker. 2,627,945, Feb. 10.

Inductance coil. R. C. Taylor. 2,628,342, Feb. 10.

Induction heating of recording stylus. L. R. Sbardlow. 2,628,104, Feb. 10.

Indicator for pneumatic lifesaving devices. C. W. Musser and A. Benditt. 2,627,998, Feb. 10.

Inhibiting precipitation of 2,4-D salts in hard water. H. L. Sanders and R. L. Mayhew. 2,628,162, Feb. 10.

Instruction apparatus for vehicle operation. V. A. Wilson. 2,627,674, Feb. 10.

Instrument, Extensometer calibrating. R. L. Tempilo. 2,627,661, Feb. 10.

Instrument for measuring the ratio of pulse width to pulse recurrence period of recurrent pulse signals. R. M. Page. 2,628,348, Feb. 10.

Instrument, Measuring. R. D. Richardson. 2,628,332, Feb. 10.

Instrument, Multiple-point measuring. C. A. Blakealee. 2,628,149, Feb. 10.

Instrument, Writing. H. C. Frantsel. 2,627,843, Feb. 10.

Inventory by color and model board for automobiles. A. E. Markey. 2,627,682, Feb. 10.

Ion-exchange resins. G. F. D'Allelo. 2,628,193, Feb. 10.

Jack: See—

Hydraulic jack.

Joint: See—

Universal joint.

Joint construction for paving slabs. W. E. White. 2,627,793, Feb. 10.

Joint for steering parts on vehicles having independent front wheel suspension, Pivotal. H. T. Cottrell. 2,628,109, Feb. 10.

Keyboard, Calculating machine. L. B. Taylor. 2,628,030, Feb. 10.

Key case. C. A. Ribbing. 2,627,743, Feb. 10.

Key mechanism for alto and bass clarinets. L. Leblanc. 2,627,776, Feb. 10.

Keying device. W. F. Jones. 2,628,113, Feb. 10.

Knitting machine. P. W. Bristow. 2,627,740, Feb. 10.

Knitting machine. R. H. Lawson. 2,627,736, Feb. 10.

Knitting mechanism. V. Lombardi. 2,627,739, Feb. 10.

Label pickup and printing machine. F. C. Worth. 2,627,809, Feb. 10.

Ladder, Flexible roof. F. P. Buechler. 2,628,011, Feb. 10.

Lamp disposal plant, Deactivating. J. B. Hall. 2,628,036, Feb. 10.

Latch operating mechanism. D. M. Robinson. 2,628,117, Feb. 10.

Leakproof irrigation valve. R. Fuller. 2,628,056, Feb. 10.

Leveling gauge. J. J. Strnad. 2,627,665, Feb. 10.

Lift attachment for farm tractors. W. R. Emery and E. Courtwright. 2,628,069, Feb. 10.

Lift plug valve. F. Hinrichs. 2,628,059, Feb. 10.

Lifter: See—

Pan and pot lifter.

Lifting mechanism. B. Hastings, Jr. 2,627,943, Feb. 10.

Lighting system for lubrication cabinets or the like. C. W. Glotter. 2,627,837, Feb. 10.

Lightning arrester. C. W. Petersen. 2,628,323, Feb. 10.

Lightning arrester. E. H. Yonkers, Jr. 2,628,322, Feb. 10.

Liquid applicator of the roller type. G. W. Gudse. 2,627,620, Feb. 10.

Liquid fuel composition and making same. R. J. Hawes, F. M. Miller, and R. H. Stephens. 2,628,189, Feb. 10.

Liquid-gas contact apparatus. W. H. Reeder. 2,628,159, Feb. 10.

Loading mechanism for tractors. J. Chaves. 2,627,989, Feb. 10.

Lock for pressure cookers, Safety. E. H. Wittenberg. 2,627,997, Feb. 10.

Locking device for retractable tub washers. F. Breckenridge. 2,628,148, Feb. 10.

Low frequency simplified loran system. L. Mackta. 2,628,351, Feb. 10.

Lubricant feeder valve for centralized lubricating systems. J. T. Leonard. 2,627,939, Feb. 10.

Lubricant pump. E. W. Davis. 2,627,814, Feb. 10.

- Lubricating and guarding means for sewing machines. H. Ritter. 2,627,830, Feb. 10.
Machine for creasing box blanks. L. Triolo. 2,627,029, Feb. 10.
Machine for cutting tissue. G. E. Teall. 2,627,922, Feb. 10.
Machine for operating a piercer-carrying plunger both to pierce and advance the work being operated on. D. D. Duncan. 2,627,023, Feb. 10.
Machine for printing tickets, tags, cards, and the like. A. R. Bone. 2,627,804, Feb. 10.
Machine for sorting, according to color, differently colored bottles and similar objects. K. H. R. Ekström and C. G. Luodla. 2,627,975, Feb. 10.
Machine-tool table work clamp. B. R. Ziltner. 2,627,787, Feb. 10.
Magnetic core. G. G. Somerville. 2,628,273, Feb. 10.
Magnetic head construction. M. Rettinger. 2,628,286, Feb. 10.
Magnetic separator. R. H. Stearns and H. W. Buus. 2,627,976, Feb. 10.
Magnetic tape error control. W. H. Burkhardt. 2,628,346, Feb. 10.
Making an element having a fin. S. M. Schweller. 2,627,652, Feb. 10.
Manufacturing condensers. R. A. Harris. 2,627,845, Feb. 10.
Marble carrier. W. V. Sines. 2,627,973, Feb. 10.
Mask, Baseball. H. Goldsmith. 2,627,602, Feb. 10.
Mat for tents. E. D. Barker. 2,627,864, Feb. 10.
Material handling mechanism. E. C. Seward. 2,627,950, Feb. 10.
Measuring apparatus, Air flow. R. E. Cutler. 2,628,086, Feb. 10.
Measuring device, Liquid depth. P. N. Smith. 2,627,660, Feb. 10.
Mechanical vibrating device. J. J. Murray, Jr. 2,628,343, Feb. 10.
Mechanism for folding documents over the edge of cards. G. V. A. Malmros and E. A. Barber, Jr. 2,628,092, Feb. 10.
Medicinal mineral oil vehicle thickened with polyethylene. S. H. Frohmader and M. J. Shoemaker. 2,628,187, Feb. 10.
Mercury diarsyl. K. A. Kobe and R. T. McCutchan. 2,628,241, Feb. 10.
Metalworking lubricant. R. B. Killingsworth. 2,628,107, Feb. 10.
Meter and register drive assembly, Light weight rotary kind. W. I. Smith. 2,627,848, Feb. 10.
Meter with interchangeable dial and register. J. C. Miller. 2,627,747, Feb. 10.
Micrometer caliper. C. A. Bardick. 2,627,663, Feb. 10.
Milk machine. A. E. Mayer. 2,627,840, Feb. 10.
Mining drill bit extractor. C. J. King. 2,627,654, Feb. 10.
Mirror, Bracelet. B. W. Bartkowski. 2,627,785, Feb. 10.
Mixer: See—
Hybrid wave guide mixer.
Mixer. T. J. Laird. 2,628,081, Feb. 10.
Mixing chamber. H. Kent. 2,627,977, Feb. 10.
Mixing materials, Method of and apparatus for. A. N. Gray. 2,628,204, Feb. 10.
Moccasin and means for drawing same around the foot. T. Kashlan. 2,627,677, Feb. 10.
Mold: See—
Multiple gutter mold.
Molding cushion. V. T. Paré. 2,627,628, Feb. 10.
Molding machine, Injection. F. S. Farley. 2,627,830, Feb. 10.
Monomeric open-chain delta, epsilon-unsaturated carbonyl compounds, Preparation of. C. J. Albisetti, Jr. 2,628,252, Feb. 10.
Mono-N-tertiary-alkylmelamines. N. M. Bortnick. 2,628,234, Feb. 10.
Motor brake-coupling assembly, Electric. R. L. Anderson. 2,628,321, Feb. 10.
Motor control system, Variable voltage. J. E. Jones. 2,628,336, Feb. 10.
Motor-driven stock feed. F. H. Bogart. 2,627,648, Feb. 10.
Motor mounting for machine tools, Universal. H. D. Herder and W. L. Van Dam. 2,628,047, Feb. 10.
Mounting: See—
Adjustable shelf mounting. Ophthalmic mounting.
Bearing mounting. Sink mounting.
Indicator mounting.
Mounting for tool operating motors, Arm. A. C. Johnson. 2,627,880, Feb. 10.
Multiple gas turbine power plant having speed governors to bypass power turbine and regulate fuel feed. C. R. Waller. 2,627,717, Feb. 10.
Multiple gutter mold. R. E. Steele and J. Jordan. 2,627,641, Feb. 10.
Multiple stage nonseal vacuum pump. M. Pemmerl. 2,628,014, Feb. 10.
Nail lacquer bottle assembly, including brush wiper. J. W. Gagen. 2,627,619, Feb. 10.
Nonclog flow control device. J. Hirshteln. 2,627,610, Feb. 10.
Nut-ejector type socket wrench. M. D. Heck. 2,627,775, Feb. 10.
Oil burner. H. J. Haberstroh. 2,628,131, Feb. 10.
1-alkyl-2-phenethyl-6-substituted-cyclohexanone-3-compounds and preparing same. J. A. Hogg. 2,628,248, Feb. 10.
Ophthalmic mounting. E. M. Splaine. 2,627,783, Feb. 10.
Optical projecting comparator. J. H. Waddell. 2,627,780, Feb. 10.
Optically glass-like material. L. Merker and L. E. Lynd. 2,628,156, Feb. 10.
Organochlorosilanes, Preparation of. A. J. Barry and J. W. Gilkey. 2,628,243, Feb. 10.
Organosilicon compositions. H. A. Clark. 2,628,242, Feb. 10.
Oscillator. E. J. H. Bussard. 2,628,314, Feb. 10.
Overcenter snap device. H. Millard. 2,627,754, Feb. 10.
Oxygenated polymerizable acrylic acid type esters and preparing and polymerizing the same. R. E. Burnett and B. W. Nordlander. 2,628,178, Feb. 10.
Oxygenated polymerizable esters as cure accelerators and as copolymerizable materials. P. T. Eichason and H. F. Jones. 2,628,210, Feb. 10.
Packaging machine, Blade. Z. Anerbach. 2,627,790, Feb. 10.
Pad: See—
Waterproof plastic covered bust pad.
Pan and pot lifter. D. R. and M. Merton. 2,628,119, Feb. 10.
Pan, Extensible cake. M. Danciger. 2,627,801, Feb. 10.
Panel for louver windows, Protective. L. J. Mitchell. 2,627,951, Feb. 10.
Paper and article container for automobiles. P. N. Inala. 2,628,008, Feb. 10.
Paper-holding attachment for drafting boards. R. J. Wood. 2,627,690, Feb. 10.
Paper machinery. S. A. Staeger. 2,627,788, Feb. 10.
Parking system for vehicles. W. D. Barlow. 2,627,920, Feb. 10.
Pastry, Production of layer. L. Stiles. 2,627,825, Feb. 10.
Pedally-controlled power-operated clutch. G. T. Randol. 2,627,953, Feb. 10.
Peg or pulverizer for rotary beater mills, Stationary. W. C. Rogers and L. A. Bolton, Jr. 2,628,038, Feb. 10.
Pen for viscous ink, Fountain. R. B. Johnson. 2,627,844, Feb. 10.
Pencil of the push-button type, Mechanical. O. M. Russell. 2,627,842, Feb. 10.
Pencil point protector. E. D. Finch. 2,627,845, Feb. 10.
Pew, Adjustable church. J. W. Sutherland. 2,627,900, Feb. 10.
Phenyl methyl dialkoxysilane-polyhydric alcohol-dicarboxylic acid or anhydride reaction. M. J. Hunter and L. A. Rauner. 2,628,215, Feb. 10.
Photoelectric cell coupling circuit. J. J. De Muth. 2,628,318, Feb. 10.
Photoelectric cell coupling circuit. K. Slinger. 2,628,317, Feb. 10.
Piano keyboard. J. Robbins. 2,627,777, Feb. 10.
Picnic box. B. V. Perkins. 2,627,970, Feb. 10.
Pictorial representation reproducing head. N. R. Gunder-son. 2,628,150, Feb. 10.
Pin pulling machine. L. and S. Polnell. 2,628,070, Feb. 10.
Pin-setting machine, Automatic. C. H. Bauerschmidt. 2,628,008, Feb. 10.
Pipe plug receptacle and insulator, Combined. R. R. Esher. 2,628,264, Feb. 10.
Pipe union. H. Smallline. 2,628,111, Feb. 10.
Pivoting and sliding block firearm action, Combination. J. L. Arbuckle. 2,627,887, Feb. 10.
Platform for window type room air conditioners, Supporting. J. W. Cira. 2,628,052, Feb. 10.
Pliers for electrical connections, Swaging. F. A. Anderson, D. G. Blattner, and V. F. Miller. 2,627,709, Feb. 14.
Pliers, Round belt. B. Antonelli. 2,627,655, Feb. 10.
Plug-in assembly, Electrical. R. N. Himmel. 2,628,270, Feb. 10.
Plumbing fitting, Valved. H. Gruen. 2,627,872, Feb. 10.
Plywood press apparatus, Continuous. J. J. Littley. 2,627,883, Feb. 10.
Polyamides from a dinitrile and a ditertiary alcohol or ester of the last, Preparing. E. E. Magat. 2,628,218, Feb. 10.
Polyamides from dinitrile and ditertiary diol, Preparing. E. E. Magat. 2,628,219, Feb. 10.
Polyamides from dinitriles and diecondary alcohols or their esters, Preparing. E. E. Magat. 2,628,216, Feb. 10.
Polyethylene dispersion and applying same to a polyethylene surface, Preparing. A. H. Jenet. 2,628,172, Feb. 10.
Polyhalogenated esters. D. T. Mowry and A. H. Schlesinger. 2,628,164, Feb. 10.
Polymerization and products produced thereby. K. Nozaki. 2,628,222, Feb. 10.
Polymerization of acrylonitrile to polymers of controlled molecular weight. J. C. Richards. 2,628,223, Feb. 10.
Polymerization of methacrylate esters with benzoyl peroxide-benzoin-ferric laurate catalyst. T. S. Tutwiler. 2,628,225, Feb. 10.
Polyvinyl chloride resins stabilized with polystannox-andiol esters. G. P. Mack and E. Parker. 2,628,211, Feb. 10.
Porous chambered bearing. L. C. Blood. 2,628,138, Feb. 10.
Power boost control system with mechanical feel means therefor. J. R. Clark and C. Schultz. 2,627,847, Feb. 10.

- Power dividing differential. H. M. Patch. 2,627,760, Feb. 10.
Power-operated, predetermined-torque control socket wrench. L. A. and C. F. Hautau. 2,627,770, Feb. 10.
Power transmission. L. J. Wolf. 2,627,763, Feb. 10.
Power transmission chain. W. H. Bendall. 2,627,756, Feb. 10.
Power unit for delivering hydraulic power. E. A. Rockwell. 2,627,726, Feb. 10.
Power winch unloader. H. C. Northelm. 2,627,987, Feb. 10.
Preparing protective clothing. A. J. Stokes and H. W. Carhart. 2,628,174, Feb. 10.
Preventing pollution of streams. R. H. Bliss. 2,628,165, Feb. 10.
Printer, Rotary selective. E. Buhler. 2,627,807, Feb. 10.
Propeller. A. S. Mullgardt. 2,627,928, Feb. 10.
Propeller temperature control means. J. M. Mergen. 2,627,927, Feb. 10.
Protector: See—
Pencil point protector. Thread protector.
Pump: See—
Electromagnetic pump. Self-priming centrifugal pump.
Lubricant pump.
Multiple stage nonseal vacuum pump.
Pump. H. W. Kaats and H. F. Enyeart. 2,627,816, Feb. 10.
Pump. J. Mann. 2,627,812, Feb. 10.
Pump with outlet valve having material cutting means, Reciprocating. E. W. Davls. 2,627,818, Feb. 10.
Pumping apparatus, Proportional. V. J. Gilmore. 2,627,813, Feb. 10.
Puppet, Jumping. G. Welas. 2,627,700, Feb. 10.
Pyrimidine derivatives. W. R. Boon and T. Leigh. 2,628,229, Feb. 10.
Rack and screen. Convertible clothes. E. Schwarz. 2,627,960, Feb. 10.
Rack for ice cubes and other trays. D. H. Bitney. 2,627,981, Feb. 10.
Radiator construction. A. L. Haynes and V. G. Raviolo. 2,628,079, Feb. 10.
Radiator testing tank, including hydraulic lift system. H. B. Fechter. 2,627,746, Feb. 10.
Radio and television distribution system for hotels and apartment houses. L. W. Parker. 2,628,275, Feb. 10.
Radio frequency energy range and direction finder. R. M. Page. 2,628,350, Feb. 10.
Railway rail fastener. J. M. Fawcett. 2,628,035, Feb. 10.
Railway tie plate lifter. F. W. Collins and W. L. Dietrich. 2,628,122, Feb. 10.
Railway vehicle operator's seat. C. H. Apel. 2,627,897, Feb. 10.
Rain shade attachment. C. G. Soppeland. 2,627,912, Feb. 10.
Range finder. S. S. Szelwach. 2,627,779, Feb. 10.
Recall reducer and accuracy improver. R. L. Shockey. 2,627,686, Feb. 10.
Recording apparatus, Magnetic. N. M. Haynes. 2,628,287, Feb. 10.
Recovering chromates and vanadates from aqueous solution. T. S. Perrin and R. G. Banner. 2,628,154, Feb. 10.
Recovering protein from protein containing material. C. G. Eckers. 2,628,022, Feb. 10.
Recovery of spent liquors from the cooking of cellulose from raw material containing silica. B. H. E. Gruen. 2,628,155, Feb. 10.
Rectification of gaseous mixtures. M. Benedict. 2,627,731, Feb. 10.
Reel: See—
Fishing reel.
Refractory product. L. W. Austin and J. D. Isaacs. 2,628,088, Feb. 10.
Refrigerated display case. A. S. Levin. 2,627,728, Feb. 10.
Refrigerating apparatus. W. W. Higham. 2,628,016, Feb. 10.
Refrigerating apparatus. L. A. Philipp. 2,627,729, Feb. 10.
Refrigeration system, Defrostable. E. W. Zearfoss, Jr. 2,627,730, Feb. 10.
Regenerating ion exchangers, Process of and apparatus for. M. E. Gliwood. 2,628,194, Feb. 10.
Regeneration of ion exchangers. B. A. Sard. 2,628,191, Feb. 10.
Regulation of the fat content of milk products. P. A. Dahlstedt. 2,628,023, Feb. 10.
Regulator: See—
Demand regulator. Flow responsive pressure regulator.
Electric regulator.
Regulator for electric motors. J. Zubaty. 2,628,295, Feb. 10.
Release attachment for wrenches and the like. C. E. Walter. 2,627,774, Feb. 10.
Rendering synthetic resins atactic. S. A. Simon and A. H. Drellch. 2,628,176, Feb. 10.
Replacement bushing assembly. T. C. Gerner. 2,627,732, Feb. 10.
Resistor. L. H. Berkelhamer. 2,628,300, Feb. 10.
Reverse traverse drapery support. L. L. Degnan and T. P. Buckman. 2,627,915, Feb. 10.
Reverting call circuit. F. A. Morris. 2,628,281, Feb. 10.
Ribbon processing and reversing device. I. G. O. Brown. 2,627,969, Feb. 10.
Road traffic signal. S. H. Pellar. 2,627,784, Feb. 10.
Roll former, Clover-leaf. L. A. Hurley and P. F. Lucas. 2,627,823, Feb. 10.
Roller bearing. D. Ashton. 2,628,137, Feb. 10.
Rolling machine, Automatically fed thread. J. W. Batebelder. 2,627,767, Feb. 10.
Rotary, multiple turbine hydraulic coupling. F. W. Seybold. 2,627,723-4, Feb. 10.
Rotary plug valve seat. A. L. Parker. 2,628,060, Feb. 10.
Rule, Slide. M. J. Quillinan. 2,628,025, Feb. 10.
Safety device for record feeding controls. H. R. Wood. 2,627,964, Feb. 10.
Safety means for electrical apparatus. F. L. Maltby. 2,628,333, Feb. 10.
Safety pilot control. H. F. Schoenfeld and R. J. Smithblaser. 2,627,867, Feb. 10.
Sander attachment for shaping machines. P. P. Zwirck. 2,627,706, Feb. 10.
Sander head. G. W. Bruer. 2,627,705, Feb. 10.
Sanitary container. K. Dörner. 2,627,998, Feb. 10.
Saw and guide therefor. Band. R. J. Houtte and R. E. Schwarzenberg. 2,627,881, Feb. 10.
Saw, Power-driven reciprocating. B. Kleinsmith. 2,627,882, Feb. 10.
Scissors with twist in each blade. P. Richards. 2,627,656, Feb. 10.
Screw and cap. F. G. Hodell. 2,627,778, Feb. 10.
Screw and similar machine, Automatic. O. G. Holmes. 2,627,618, Feb. 10.
Screw machine, Automatic. R. D. Perry and R. Baumgardner. 2,627,646, Feb. 10.
Seal. C. C. Edgar. 2,628,118, Feb. 10.
Sealed pressure responsive mechanism. R. L. Gilliland. 2,628,139, Feb. 10.
Seat: See—
Astatic vehicle seat. Rotary plug valve seat.
Railway vehicle operator's seat.
Seat and armrest for automobiles, Combination baby. W. A. Stevenson. 2,627,903, Feb. 10.
Seat construction, Automobile. E. A. Herider and S. E. Norwood. 2,627,894, Feb. 10.
Seed package and seed distributor. F. R. Maurer. 2,628,003, Feb. 10.
Seed sample divider. L. A. Pazandak. 2,627,751, Feb. 10.
Seeder, Range. J. MacKenzie. 2,628,000, Feb. 10.
Self-aligned lubricating stuffing box. G. G. Hebard. 2,628,112, Feb. 10.
Self-closing collapsible tube. T. F. Schlicksupp. 2,628,004, Feb. 10.
Self-energizing means for interengaging asynchronous friction plates. C. M. Perkins. 2,627,955, Feb. 10.
Self-priming centrifugal pump. J. Mann and R. P. Shustar. 2,627,817, Feb. 10.
Semiautomatic telephone switching system arranged for selective alternating current or direct current key pulsing. B. McKim. 2,628,283, Feb. 10.
Separator: See—
Magnetic separator.
Sewing machine. M. Buono. 2,627,828, Feb. 10.
Sewing machine, Overedge. N. L. Wallenberg and G. Sauer. 2,627,829, Feb. 10.
Shaft positioning apparatus. R. W. May. 2,627,957, Feb. 10.
Shear pin cutout for stoker motors. D. L. Getz. 2,628,337, Feb. 10.
Sheet metal bending apparatus. T. W. Lloyd and D. W. Mason. 2,627,890, Feb. 10.
Sheet metal, Coated. S. G. Henderson. 2,628,175, Feb. 10.
Shelf for instrument boards of automobiles, Detachable. A. Bunce. 2,628,140, Feb. 10.
Shelter, Demountable. C. D. Willson. 2,627,949, Feb. 10.
Shelter for automobiles, Portable. S. Mitchell and A. Guldry. 2,627,863, Feb. 10.
Shock absorber for railway car trucks. L. F. Gaddola. 2,628,089, Feb. 10.
Shock absorber, Hydraulic. C. W. Gunnels, Jr. 2,628,118, Feb. 10.
Sign and light unit, Combined. R. E. Johnson. 2,627,084, Feb. 10.
Signal: See—
Fishing signal. Road traffic signal.
Signaling apparatus, Emergency. J. M. Lloyd and W. M. Williamson. 2,628,307, Feb. 10.
Simultaneously stabilizing and applying a vat dye to textile material comprising regenerated cellulose. L. L. Walmsley and R. E. Smith. 2,628,151, Feb. 10.
Sink mounting. H. D. Drain. 2,627,609, Feb. 10.
Snow loading device. M. T. Schulte, L. J. Litchy, and E. W. Downward. 2,627,680, Feb. 10.
Snubber for crane booms. C. J. Saffre and T. A. Cheesman. 2,627,983, Feb. 10.
Soap useful for making lubricating greases. J. R. Allison and W. L. Blalock. 2,628,202, Feb. 10.
Sofa adapted to be converted into two superposed beds. J. Ekeberg. 2,627,612, Feb. 10.
Sole and heel tread for shoes, Corrugated. N. Hack. 2,627,676, Feb. 10.
Solutions of rubbery polymers from particles of uniform diameter. C. F. Van Gilder and W. C. Harney. 2,628,203, Feb. 10.
Solvent-soluble water-repellency compositions. L. Q. Green. 2,628,170-1, Feb. 10.

- Sound recording and record, Combination. D. L. Blaney. 2,628,288, Feb. 10.
 Spacer for car loaded boxes. K. E. Blon. 2,627,820, Feb. 10.
 Speed responsive device. H. L. Bona. 2,628,294, Feb. 10.
 Spligot, Push-button. M. W. Weber. 2,628,062, Feb. 10.
 Spraying device. A. S. Knapp. 2,628,130, Feb. 10.
 Squaring device. I. A. Greenwood, Jr. 2,628,024, Feb. 10.
 Stabilized synthetic rubber compositions containing 2,2-bis(2-hydroxy-3-T-butyl-5 methyl-phenyl)-propane. D. W. Young. 2,628,212, Feb. 10.
 Stain filler compositions and pigmented fillers therefor. G. L. Deniston. 2,628,206, Feb. 10.
 Staple support for stapling machines. A. A. Vander-vieren. 2,627,601, Feb. 10.
 Steering control for outboard motors. J. H. Schroeder. 2,627,833, Feb. 10.
 Stereoscopic viewer. G. Weiborn. 2,627,781, Feb. 10.
 Stock distributing system. T. S. Skillman. 2,627,941, Feb. 10.
 Stool and shoe shine box, Combined bathroom. J. Kahl. 2,627,822, Feb. 10.
 Stool, Kitchen utility. S. L. De Rennaux. 2,628,146, Feb. 10.
 Stop mechanism for step-by-step plungers. H. S. Austin. 2,627,757, Feb. 10.
 Storage device, Electronic. E. S. Hughes, Jr. 2,628,309, Feb. 10.
 Strainer mechanism for liquids. H. Lamb. 2,627,979, Feb. 10.
 Stud driver. B. A. McKean. 2,628,103, Feb. 10.
 Subsurface prospecting. K. C. Crumrine. 2,628,315, Feb. 10.
 Suction box. J. Campbell. 2,627,789, Feb. 10.
 Suction cleaner dome mounting construction. E. F. Martinet. 2,627,938, Feb. 10.
 Suction cleaner motor filter construction. E. F. Martinet. 2,627,937, Feb. 10.
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Patents expiring: Patent Numbers 2,030,840 to 2,031,580, inclusive, and Plant Patents, Numbers 165 to 166, inclusive, issued February 18, 1936, expire February 18, 1953

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Volume 667

Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

SINCLAIR WEEKS, *Secretary*

U. S. Patent Office

THOMAS F. MURPHY, *Acting Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business January 30, 1953

Total number of patent applications awaiting action, 99,921. Date of oldest new application, April 28, 1952; date of oldest amended application, April 25, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
* (C. E. D.) KEELY, J. E.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Sewerage.	5-2-52	5-2-52	1563
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	5-21-52	5-12-52	1291
3. MARMELESTEIN, N. (WINDHAM, R. K., Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	6-4-52	6-4-52	1852
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus	5-14-52	5-14-52	1478
5. ROBINSON, C. W., Harvesters; Kooters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Oats.	5-19-52	5-10-52	1085
6. SURL, H., Carbon Chemistry (part)	5-31-52	6-2-52	2311
7. GONSALVES, J. E. (ANDERSON, E. O., Acting), Optics; Photography (part)	5-20-52	5-20-52	1406
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	5-23-52	6-2-52	1277
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	5-20-52	5-20-52	1390
10. REYNOLDS, E. R. (NEFF, P. R., Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	5-24-52	5-20-52	1306
11. BENHAM, E. V., Boots, Shoes, and Leggings; Rutton, Eyelet, and Rivet Setting; Cutlery; Leather Manufacture; Nailing and Stapling; Cleaning and Liquid Treatment of Solids.	5-8-52	5-1-52	1249
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	5-2-52	5-2-52	1355
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part)—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning; Electric Lamp or Discharge Devices, Manufacture or Repair.	5-7-52	5-10-52	1327
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part)—e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus.	5-15-52	5-17-52	1464
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	5-8-52	5-6-52	1734
16. LOVEWELL, N. N., Television, Telephony	4-28-52	4-25-52	1483
17. LEIOHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	5-6-52	5-8-52	1668
18. KURZ, J. A., Power Plants; Speed Responsive Devices	6-3-52	6-2-52	743
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	5-5-52	4-29-52	1105
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	5-23-52	5-21-52	1319
21. MADER, R. C., Textiles	5-20-52	5-20-52	1247
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors; Fluid Diaphragms and Bellows.	5-13-52	5-7-52	1124
23. ANDRUS, L. M., Cash Registers; Calculators and Counters; Education	5-1-52	4-25-52	887
24. DRACOPOULOS, P. T. (HICKEY, T. J., Acting), Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	6-24-52	6-23-52	1211
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	5-9-52	5-9-52	1402
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission Systems, Voltage and Phase Control Systems; Furnaces, Batteries, Battery Charging and Discharging, Arc Lamps, Resistors and Rheostats, Prime Mover Dynamo Plants; Elevators.	6-2-52	6-2-52	1660
27. JAMES, S., Brushing, Scrubbing and General Cleaning; Brush, Broom and Mop Making	5-12-52	5-8-52	1504
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-26-52	5-12-52	1177
29. HABECKER, L. B., Button Making; Woodworking; Tools; Fluid Treatment of Textiles (Apparatus)	5-8-52	5-8-52	1162
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating Systems; Refrigeration; Illuminating Burners.	6-13-52	6-13-52	1483
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-1-52	5-2-52	2433
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-Proportioning Systems.	6-2-52	6-2-52	1419
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	5-13-52	5-19-52	1766
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	5-5-52	5-7-52	1200
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	5-31-52	6-2-52	1307
36. McFADYEN, A. D., Measuring and Testing	5-9-52	5-22-52	1096
37. LEVY, L. M., Electricity—Switches, Welding, Heating; Recorders	5-21-52	5-27-52	1967
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	5-19-52	5-17-52	1527
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part)	7-14-52	7-22-52	1222
40. DRUMMOND, E. J., Receptacles (part); Packages	8-1-52	8-1-52	1136
41. OURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-26-52	5-27-52	945

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 99,921. Date of oldest new application, April 28, 1952; date of oldest amended application, April 25, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	5-22-52	5-27-52	1061
43. ASP, N. A. (KNIGHT, W. O., Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	5-15-52	5-19-52	1593
44. HARVEY, L. P., Beds; Chairs; Seats.	5-3-52	5-2-52	1184
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	6-11-52	6-4-52	1299
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	5-2-52	6-3-52	1033
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	5-6-52	5-5-52	1666
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	5-16-52	5-15-52	1676
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	5-16-52	5-15-52	1353
50. BENDEL, W. O., Synthetic Resins; Rubber.	6-25-52	6-30-52	1556
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	5-12-52	6-3-52	1541
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-27-52	6-9-52	2062
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Packages and Article Carriers; Whip Apparatus.	5-5-52	6-6-52	1016
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	5-16-52	5-7-52	1836
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	5-29-52	5-22-52	991
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	5-26-52	5-26-52	1383
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	6-13-52	6-13-52	1645
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spitoons.	5-12-52	5-26-52	1262
59. SHEPARD, F. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	6-2-52	5-29-52	1244
60. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	5-5-52	5-13-52	1118
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	5-2-52	6-4-52	1170
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	5-6-52	5-8-52	1810
64. OORECKI, O. A., Fuels and Miscellaneous Compositions.	5-2-52	5-2-52	1890
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	5-12-52	5-13-52	1324
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	5-23-52	5-16-52	893
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	5-27-52	5-16-52	1709
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	6-27-52	6-27-52	1298
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	5-10-52	5-12-52	1138
70. BREWRINK, J. L., Ouns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	5-1-52	5-1-52	2166
DESIGNS: A—BREHM, G. L., Industrial Arts.	10-4-52	10-10-52	846
B—GRAY, M. A., Household, Personal and Fine Arts.	10-4-52	10-2-52	845

*Div. 60 was abolished as of December 15, 1952. See Commissioner's Administrative Order No. 41, (665 O. G. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 12,773. Date of oldest new application, August 15, 1952; date of oldest amended application, August 15, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 12, 15, 18, 27, 28, 30, 33, 35, 44, 51, 52.	8-24-52	8-24-52	2761
II. SUMMERS, O. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	8-25-52	8-24-52	2985
Renewals (All Classes).	12-1-52	1-13-52	489
Republications (All Classes).	11-15-52	11-15-52	273
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	8-25-52	8-25-52	3152
IV. KEYS, G. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	8-15-52	8-15-52	3193

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. 8.

1,847,365, C. D. Skinner, Extrusion of metal, D. C., S. D. Calif. (Los Angeles), Doc. 9275-W, C. D. Chame et al. v. Harvey Machine Co., Inc. Judgment pursuant to stipulation, dismissing cause with prejudice Nov. 12, 1952.

1,994,503, W. H. Chapman et al., Composition of rubber-like materials and method of making goods therefrom, D. C., S. D. Calif. (Los Angeles), Doc. 13595-HW, Donlop Tire & Rubber Corp. v. Pacific Latex Co., Inc. Patent held valid and infringing (notice Dec. 8, 1952).

2,028,184, F. B. Bergholt, Automobile, filed Dec. 12, 1952, D. C. Minn., Doc. 4384, F. B. Bergholt v. Willis-Overland Motors, Inc., et al.

2,102,447, D. D. Whitacre, Building construction, filed Nov. 28, 1952, D. C., S. D. Ind. (Indianapolis), Doc. 3287, The Whitacre-Greer Fireproofing Co. et al. v. Spickelmier Co. et al.

2,120,923, H. E. Rottmer, Boat detaching apparatus, D. C. N. J. (Newark), Doc. 395/49, Confidential Copper & Steel Industries, Inc. v. Marine Safety Equipment Corp. et al. Judgment entered, declaring patent valid (notice Dec. 2, 1952).

2,149,048, H. Freedman, Artificial dental structure, filed Dec. 4, 1952, D. C., S. D. N. Y., Doc. 80/344, H. Freedman v. Overseas Scientific Corp. et al.

2,190,443, Dalsell & Miner, Sealing means for rotary shaft openings, D. C., N. D. Ill. (Chicago), Doc. 51c1407, Cherry-Burrell Corp. v. Illinois Creamery Supply Co. Cause dismissed without prejudice Sept. 18, 1952.

2,198,442, J. Oster, Cushion pad for hand vibrator, filed Dec. 5, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. C-13101, John Oster Mfg. Co. v. J. Fischer.

2,267,361, (See Re. 23,559.)

2,352,989, E. E. Wotter, Sofa bed, D. C., N. D. Ill. (Chicago), Doc. 52c1377, Simmons Co. v. Kroehler Mfg. Co. Order dismissing complaint Nov. 13, 1952.

2,383,971, M. Kats, Ventilated shopping bag and method of constructing same, filed Nov. 29, 1952, D. C., S. D. Ind. (Indianapolis), Doc. 3291, Kary-Safe Paper Bag Co., Inc., et al. v. Deubener Bag Co., Inc.

2,373,002, G. A. Armstrong, Nut for ear ornament, filed Dec. 12, 1952, D. C. R. I. (Providence), Doc. 1473, Budlong, Doherty & Armstrong, Inc. v. Louis Stern Co.

2,401,534, C. M. Welch, Spoon, filed Nov. 13, 1952, D. C. Maine (Portland), Doc. 707, Mulholland Co. v. Northern Forest Products Co., Inc.

2,438,854, J. G. Gakoben, Method and material for the production of toy balloons, filed Dec. 2, 1952, D. C. N. J. (Newark), Doc. 1170/52, N. B. Bach v. H. Margolis.

2,441,462, E. D. Gerry, Shoulder pad construction, D. C., S. D. N. Y., Doc. 45/772, E-Z Thread Co., Inc. v. R. H. Macy & Co., Inc. Judgment dismissing complaint, sustaining counterclaim (notice Nov. 28, 1952). Doc. 45/774, E-Z Thread Co., Inc. v. Seely Shoulder Pad Corp. Decree as above.

2,457,619, R. J. Yocum, Ice skating rink, D. C., N. D. Ill. (Chicago), Doc. 49c1669, R. J. Yocum v. Chicago Arena Corp. By stipulation, cause dismissed with prejudice Nov. 14, 1952.

2,471,394, R. Gubner, Salicylate and succinate therapeutic preparation, filed Dec. 4, 1952, D. C., S. D. N. Y., Doc. 80/350, Dolcin Corp. v. Freeman Drug Products et al.

2,513,717, L. A. Gendler, Pistol simulating cigar and cigarette lighter, D. C., S. D. N. Y., Doc. 60/248, Gualtic, Inc. v. Holiday Specialties, Inc., et al. Stipulation and order of dismissal (notice Dec. 3, 1952).

2,528,974, C. Soldier, Attachment for suspending clothing in automobile bodies, D. C., S. D. Calif. (Los Angeles), Doc. 12871-PH, Haug-All Corp. v. Pacific Coast Products. Complaint dismissed with prejudice; counterclaim dismissed without prejudice, no adjudication as to validity of patent (notice Dec. 1, 1952).

2,545,976, C. T. Small, Machine for flaring or bending or spinning the edges of openings in sheets of stiff material, filed Nov. 26, 1952, D. C., S. D. Tex. (Houston), Doc. 7150, Memphis Metal Mfg. Co., Inc. v. Consolidated Ventilation Co., Inc.

2,549,604, T. W. Howlett, Drive for forge hammers, D. C., N. D. Ill. (Chicago), Doc. 52c8, Letta Drop Forge, Inc. v. Phoenix Mfg. Co. Action dismissed on stipulation between parties (notice Dec. 15, 1952).

2,554,176, L. C. Edwards, Air hose bracket, filed Dec. 15, 1952, D. C., E. D. Wis. (Milwaukee), Doc. 5764, Edwards Air Hose Bracket Co. v. Velvac, Inc., et al.

2,570,341, O. H. Hake, Hinge for containers, filed Oct. 10, 1952, D. C. Mass. (Boston), Doc. 52/1149, Hake Mfg. Co., Inc. v. E. B. Kingman Co.

2,584,366, C. R. Perry, Combined vehicle bumper and trailer hitch, D. C., N. D. Tex. (Dallas), Doc. 4873, The Perry Co. v. Fleet Line Equipment Co. Judgment granting injunction Dec. 16, 1952.

2,598,105, J. E. Bolling, Leg construction for furniture, filed Dec. 22, 1952, D. C., W. D. Wis. (Madison), Doc. 2421, Chais-O-Lake, Inc., et al. v. Blue Moon Foods, Inc.

2,599,259, J. P. Hooks, License plate holder, filed Dec. 16, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c2714, J. P. Hooks et al. v. Ford Motor Co.

2,613,420, M. Brown, Buckle for holding ribbons, filed Dec. 4, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. C-13098, Waterbury Metal Stamping Co. v. Ada Metal Products Co., Inc.

Re. 23,559 (of 2,267,361), O. E. Andrus, Corrosion-resistant metallic structure, D. C., N. D. Tex. (Dallas), Doc. 4757, A. O. Smith Corp. v. Affiliated Gas Equipment, Inc. Judgment entered denying injunction Dec. 3, 1952.

Vol. 667 • No. 3

Tuesday, February 17, 1953

Price \$35.00 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$35.00 per annum, foreign mailing \$10.00 additional; single numbers, 75 cents each.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Des. 148,125, K. C. Augenstein, Bracelet, D. C., S. D. N. Y., Doc. 50/261, *Kertes Mfg. Corp. v. Spedel Corp.* Stipulation and order of dismissal Dec. 8, 1952.

Des. 164,107, J. W. Doblin, Basket hand broiler, D. C., S. D. N. Y., Doc. 76/56, *Joseph W. Doblin v. Kamkap, Inc., et al.* Stipulation and order of discontinuance (notice Dec. 9, 1952).

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 246,868, Time, Inc., Weekly magazine, filed Dec. 11, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14830-Y, *Time, Inc. v. T. V. Time, Inc., et al.*

T. M. 280,509, Kent Brush Sales Corp., Tooth brushes, hair brushes, bath brushes, etc., filed Nov. 28, 1952, D. C., S. D. N. Y., Doc. 80/206, *G. B. Kent & Sons, Ltd. v. P. Lorillard Co. et al.*

T. M. 339,318, Celanese Corp. of America, Piece goods, D. C., S. D. Calif. (Los Angeles), Doc. 14188-WM, *Handmacher-Vogel, Inc. v. J. Harmell et al.* Consent judgment restraining defendant Harmell from infringing trade-mark "Wentbervane," all defendants dismissed other than J. Harmell (notice Nov. 28, 1952).

T. M. 342,616, Texas Tanning & Mfg. Co., Belts for men, D. C., S. D. N. Y., Doc. 73/118, *Texas Tan of Yoakum v. Cowboy Suits, Inc.* Default judgment for injunction Nov. 10, 1952.

T. M. 425,467, A. Bevan, Cuticle softener and stain remover, filed Sept. 12, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c1745, *The National Drying Machinery Co. v. National Dryer Corp.* On stipulation cause dismissed without prejudice Oct. 21, 1952.

T. M. 556,551, R. C. Parkes, Drying, dyeing, bleaching, and carbonizing machines, D. C., N. D. Ill. (Chicago), Doc. 52c1745, *The National Drying Machinery Co. v. National Dryer Corp.* On stipulation cause dismissed without prejudice Oct. 21, 1952.

NOTICES

Extension of Patents Granted

Patent No. 2,119,192, BARREL AND DRUM CLEANING DEVICE. Granted May 31, 1938. John R. Alexander. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, as amended, Public Law 437—82nd Congress, for 7 years and 173 days from the expiration of the original term thereof.

Patent No. 2,244,040, APPARATUS FOR CLEANING AND CONDITIONING DRUMS. Granted June 3, 1941. John R. Alexander. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, as amended, Public Law 437—82nd Congress, for 7 years and 173 days from the expiration of the original term thereof.

Adjudicated Patent

(D. C. Md.) Ackermans Patent No. 2,549,153, for a folding top for automobile. Claims 5 to 12, Held invalid but infringed if valid. *Ackermans v. General Motors Corporation et al.*, 108 F. Supp. 368; 95 USPQ 214.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,438,928, E. Labin and D. D. Grieg, Cathode ray tube pulse demodulator system, decided Nov. 5, 1952, claims 1, 3, 5, 6, 8, 9, 11, and 14.

Pat. 2,457,094, J. H. Smith, Method of packaging wire, decided Nov. 24, 1952, claims 1, 5, 6, 7, 10, and 12.

Pat. 2,495,753, R. F. Moxley, Ground target elimination, decided Dec. 24, 1952, claims 20, 3, and 16.

Pat. 2,568,918, I. E. Grosdoff, Reset circuit for electronic counters, decided Jan. 19, 1953, claims 1, 2, 3, and 4.

Pat. 2,571,106, R. S. Braunlin, Cross control system, decided Jan. 23, 1953, claim 4.

Pat. 2,572,456, L. A. Duraot and M. J. Binks, Stimulated bowling game apparatus, decided Jan. 9, 1953, claims 1, 2, and 4.

Pat. 2,668,166, G. G. Rruck, Mixing apparatus, decided Nov. 24, 1952, claims 5, 9, 15, and 17.

Disclaimers

2,457,094.—John H. Smith, Upper Darby, Pa. METHOD OF PACKAGING WIRE. Patent dated Dec. 21, 1948. Disclaimer filed Jan. 21, 1953, by the assignee, *General Cable Corporation*.

Hereby enters this disclaimer to claims 1, 5, 6, 7, 10, and 12 of said patent, reserving to itself, however, all of its rights to the other claims of the patent and the subject matter claimed in the said other claims.

2,477,002.—David E. Leonard, Orlando, Fla. CAN COOLING MACHINE. Patent dated Aug. 2, 1949. Disclaimer filed Jan. 12, 1953, by the inventor and the assignee, *American Machinery Corporation*.

Hereby enter this disclaimer to claims 10, 13, 14, 18, and 19 of said patent.

2,584,635.—Lawrence Spiegel, Bronx, Charles Behensky, Rockland Lake, and Maurice Druck, Lido Beach, N. Y. CURTAIN. Patent dated Feb. 5, 1952. Disclaimer filed Jan. 26, 1953, by the assignee, *House Beautiful Curtains, Inc.*

Hereby enters this disclaimer to claim 1 of said patent.

Classification Order No. 140

December 31, 1952

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In Class 3, Artificial Body Members (Division 55)

Legs
3 Socketed
9 Sockets
10 Slip
11 Suspenders

In Class 19, Textiles, Fiber Preparation (Division 21)

Assembling
Silver forming
Twisting heads

In Class 57, Textiles, Spinning, Twisting and Twining (Division 21)

Apparatus

With other operations
With drawing
38 Spot or fancy yarn making
58 Unitary multiple twist devices
58.5 False twist type
Receiving twist type
Filer type
60 Filer supported receiving element
Elements
128 Twister heads

In Class 346, Recorders (Division 37)

Combined with external recorder-operating means
39 Well drilling depth-rate loggers

ABOLISH SUBCLASS TITLE

In Class 145, Woodworking Tools (Division 29), abolish the unnumbered title "Augers" following subclass 114.

CHANGE SUBCLASS TITLES

In Class 24, Buckles, Buttons, Clasps, Etc. (Division 41), change the title of subclasses 16 and 19 to read:

16 Bale and package ties, hose clamps
19 With tighteners

In Class 57, Textiles, Spinning, Twisting and Twining (Division 21), change the title of subclass 51 to read:

Apparatus
With other operation
With drawing
51 False twist type

In Class 118, Coating Apparatus (Division 38), change the titles of subclasses 312 and 429 to read:

Projection or spray type
Applying solid particulate material
312 Recirculation or non-radiant heating of supply of particulate material
Immersion or work confined pool type
429 With tank structure, liquid supply, control, and/or non-radiant heating means

In Class 145, Woodworking Tools (Division 29), change the title and position of subclasses 116 and 125, as follows:

Cutter in series with piercer
125 Countersink (to follow subclass 130)
116 Augers (to follow subclass 125)

ESTABLISH SUBCLASSES

In Class 3, Artificial Body Members (Division 55)

(H. W. JOHNSON, Classifier)
1.3 Larynxes (to follow subclass 1.2)
Legs
6.1 Feet
Toe (to follow subclass 6)
Legs
14 Torso actuated or controlled (to follow subclass 5)
15 Torso attachments
16 Suspenders or attachments from natural legs
17 Sockets
18 Yieldably mounted
19 Pads or liners
20 Fluid
21 Adjustable shank or thigh
22 Knee
23 With foot actuator
24 Latch
25 Spring
26 Brakes and latches
27 Position or weight responsive
28 Adjustable friction joints
29 Springs
30 Ankle
31 Universal joint
32 Resilient
33 Resiliently actuated or controlled
34 Elastic cords
35 Springs

In Class 19, Textiles, Fiber Preparation (Division 21)

(C. C. PIDGEON, W. F. PUNDY, Classifiers)

Working

Drawing
143.3 Variable draft (to follow subclass 143)
143.5 By increase in fiber input rate

In Class 24, Buckles, Buttons, Clasps, Etc. (Division 41)

(I. R. LADY, Classifier)

Bale and package ties, hose clamps
With tighteners
268 Wedge (to follow subclass 19)
269 Winder
270 Self-locking (dead center or snap action)
271 Adjustable girth
272 Rack bar
273 Lever
274 Worm and tooth
275 Integral thread
276 External thread
277 Both ends threaded
278 Radial screw
279 Tangential screw
280 Adjustable girth
281 Step adjustment
282 Plural separable parts
283 Wire
284 Plural separable parts
285 Pivotal strap parts
286 Plural wrap

In Class 26, Textiles, Cloth Finishing (Division 21)

(C. C. PIDGEON, W. F. PUNDY, Classifiers)

Stretching or spreading and working
51.3 West angle adjusting (to follow subclass 51)
51.4 Automatically controlled
51.5 With photoelectric scanning or detecting means

In Class 30, Cutlery (Division 11)

(S. KOREN and E. V. BENHAM, Classifiers)

Can openers
6.4 With lid retaining means (to follow subclass 6.3)

In Class 51, Abrading (Division 58)

(I. J. ROTKIN, Classifier)

Tools, Expandable
184.5 Work guide (to follow subclass 184.4)

In Class 52, Explosives, Pyrotechnic and Match Compositions (Division 70)

(R. LEIBOWITZ, A. H. BEHRENS, Classifiers)

.5 Jet and rocket fuels (to precede subclass 1)

In Class 57, Textiles, Spinning, Twisting and Twining (Division 21)

(C. C. PIDGEON, W. F. PUNDY, Classifiers)

Apparatus
2.3 Untwisting with separating (to follow subclass 2)
2.5 With component winding
3.5 Covering or wrapping
With core substitution (to follow subclass 3)
With other operations
38.3 With drawing
Variable draft (to precede subclass 39)
38.4 False twist type
51.2 False twist type
With twist controller (to follow subclass 51)
51.3 Interstage
51.4 With self-contained drawing means
51.5 With threading means
51.6 Friction type
58.3 Skip type stranding machines (to follow subclass 57)
58.32 With cradle driving or holding means
58.34 With cradle supported by tube section joint and/or tube supporting or driving disc
58.36 With strand guiding means
58.38 Rotating strand guide
58.49 Unitary multiple twist devices
58.52 With stranding or plying (e. g., doubling)
58.54 Plural multiple twist devices
58.55 Tandemly arranged
58.57 With false twist
58.59 With false twist
58.61 Plural co-axial loops
58.63 Spaced, driven flyer members
58.65 Take-up type
58.67 With packaging by revolving strand guide and/or reciprocating package holder
58.68 With slip connection between flyer drive and package
58.7 With strand feeding means
58.72 With package control means
58.74 For vibration damping
58.76 Magnetic
58.78 Gear
58.79 Friction type

58.81	Gravity
58.83	With strand guiding, guarding or controlling means
58.84	Including transitory strand-storage means
58.86	Including tensioning means
58.89	Free end strand type
58.91	With breaking or detaching
58.93	Rotating hopper type
58.95	With mechanical feeding means
66.5	Receiving twist type
77.3	Rotating cradle package holder (to follow subclass 66)
77.33	False twist devices (to follow subclass 77)
77.35	With threading means
77.37	With stopping means
77.4	With strand vibrating means
77.42	Friction type
77.45	Revolving roll-pair type
111.5	Mountings, supports, and housings
127.5	Strand guiding or guarding
127.7	Lay heads (to follow subclass 111)
	Elements
	Delivering elements (to follow subclass 127)
	With adjustable package support
In Class 60, Power Plants (Divisions 18 and 70)	
(R. LEINOWITZ, A. H. BEHRENS, Classifiers)	
35.3	Reaction motor processes (to follow subclass 35)
35.4	With specific fuel
In Class 73, Measuring and Testing (Division 36)	
(H. K. SAALBACH, Classifier)	
151.5	Bore hole and drilling study
	Drill depth-rate (to follow subclass 151)
In Class 118, Coating Apparatus	
(W. F. PURDY, Classifier)	
600	With treatment of coating material (to follow subclass 74)
602	Of recirculated coating material
603	By separation
605	By application of electrical and/or radiant energy
608	By fiber preparation
608	By milling or comminution
810	By separation
812	By agitation
In Class 145, Woodworking Tools (Division 29)	
(I. J. ROTKIN, Classifier)	
130	Cutter in series with piercer (to follow subclass 114)
In Class 215, Bottles and Jars (Division 10)	
(C. D. ANOEL, Classifier)	
Attachments	
100.5	Condensate or drip collection (to follow subclass 100)

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Subclass	Disposition Class	Subclass
3	3	3	17+
3	9	3	17+
3	10	3	18
3	11	3	14, 15
19	154	57	51+
57	38	57	38.3+
57	58	57	58.40+
57	58.5	57	77.3+
57	60	57	66.5
57	128	57	77.3+
346	39	73	151.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Subclass	Source Class	Subclass
3	1.8	3	1
3	6.1+	3	8
3	14	3	2, 11
3	15	3	2, 6, 11
3	16	3	2, 6, 9
3	17+	3	2, 3, 6, 9
3	18	3	10
3	21	3	2, 8
3	22+	3	2
3	30+	3	6+
19	143.3, 143.5	57	28
24	268-286	24	19
26	51.3, 51.4, 51.5	26	51
30	6.4	30	8, 11, 124
51	184.5	51	204+
52	5	52	Various
57	2.3	57	1
57	2.5	57	1
57	3.5	57	1
57	38.3	57	36, 38
57	38.4	57	38, 51
57	51.2-51.6	19	154
57	58.3-58.38	57	51
57	58.49-58.86	57	3+, 50+
57	58.89-58.95	57	58
57	66.5	57	28, 36
57	77.3-77.45	57	60
57	111.5	57	58.5, 128
57	127.3, 127.7	19	154
60	35.3	57	13, 138
60	35.4	57	50, 65
73	151.5	60	35.5, 35.6
118	600-612	60	35.5, 35.6
145	130	346	39
		118	Various, esp. 312, 420
		7	1, 17
		143	133
		145	31
		65	13, 53, 51
		215	100
215	100.5		

M. C. ROSA,
Executive Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,603,373. Mine Timber Setting Machine. Patented July 15, 1952. A machine for raising cross timbers to the roofs of mines. It may also be used for roof bolting or any lifting of heavy beams in construction. The machine is self propelled and can be used on any electric current. (Owners) Jesse R. McFarland and Glenn A. Long, Box 35, Sunnyside, Utah. Group 35—62—69. Reg. No. 50,340.

The following four patents are owned by the Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.). Correspondence to Haseltine, Lake & Co., 19 West 44th St., New York 18, N. Y.

Pat. 2,495,815. Mechanical Movement. Patented Jan. 31, 1950. Relates to a connecting rod and link assembly for use in radial engines, pumps, and the like of the type in which a ring is journaled on a crankpin of the crankshaft with the connecting rods of the pistons coupled to a plurality of fulcrum pins carried by the ring at points symmetrically distributed about the center of the ring. Means associated with the ring are provided for adjustably setting and preventing rotation of the ring on the crankpin to adjustably determine the set position of the ring during its circular displacement around the crankshaft as the crankshaft is rotated. Such means are devoid of gears and include a series of interconnected hydraulic cylinders in the ring filled with an incompressible liquid. The volume of liquid in the cylinders at one side of the pistons may be modified with respect to the volume of the liquid at the opposite side of the pistons, and thus adjust the set position of the connecting ring on the crankpin. Groups 35—19—61; 37—22. Reg. No. 50,341.

Pat. 2,535,532. Two-Cycle Low-Boiling Fuel Injection Engine. Patented Dec. 28, 1950. Two-stroke injection engine in which inlet ports in each cylinder communicating with a source of compressed air are uncovered by the piston in its lowest position. Each cylinder has two exhaust valves actuated by control means operated by the engine, and means are provided for variably shifting the actuation of the control means with respect to one another in accordance with the required power output. One valve opens slightly before the ports are uncovered and closes when the piston approaches low dead center, and the other valve opens at a variable interval of time after the ports are uncovered and closes at a variable moment, which takes place within the space of time extending before and after the moment the ports are closed. Fuel injection control means variable with the shifting means are provided to reduce the quantity of fuel injected as the closing of the second valve is increasingly delayed. Exhaust from one of the valves only is used to drive a compressor, and a device automatically maintains substantially constant pressure in the exhaust manifold regardless of atmospheric pressure variations. Groups 35—19—61; 37—22. Reg. No. 50,342.

Pat. 2,543,141. Method for the Measurement of Pinking in Internal-Combustion Engines. Patented Feb. 27, 1951. Method for measuring the pinking in a cylinder of an internal combustion engine consists in producing, inside the gaseous mass contained inside the cylinder and in the immediate vicinity of the point at which the ignition of the gaseous mass begins, an ionization current the intensity of which is constant for predetermined temperature and pressure conditions of the gaseous mass, and measuring the variations of the intensity throughout the cycle for obtaining the value of the pinking. Groups 35—19—22; 36—41; 38—31. Reg. No. 50,343.

Pat. 2,569,983. Aircraft Wing Flap With a Leading Edge Railer. Patented Oct. 2, 1951. Airplane wing equipped with an articulated lift-increasing flap, in combination with a driven rotary roll inserted between the wing and the flap, whose axis coincides with the axis of articulation of the flap to the wing. The surface of the roll projects slightly above the upper surface of the flap. A slot in the wing opens at its lower end at some distance upstream of the roll and has its upper end flush with the roll. Group 37—21—22. Reg. No. 50,344.

667 O. O.—34

Pat. 2,596,889. Automatic Hydraulic Duplicating Machine. Patented May 13, 1952. Hydraulically operated stamping machine, wherein fluid from a common source first moves a main male die downwardly to extended position within a female die to shape material, and then forces auxiliary male dies within the main male die block laterally outwardly to form openings, bosses, ribs, or the like in the side walls of the material shaped by the main die. The main male die-carrying piston is formed with a small cylinder in the lower end in which a small floating piston is disposed. The main male die block contains lateral cylinders in which pistons carrying auxiliary male dies are disposed. Fluid is pumped into a main hydraulic cylinder to move the main die-carrying piston to extended position, and after completion of its movement, fluid from the cylinder is forced into the cylinder in the piston to move the floating piston. The floating piston forces fluid into the lateral cylinders to actuate the auxiliary dies. (Owner) Arthur J. Curtia, 1246 Melrose St., Walla Walla, Wash. Group 35—41—42. Reg. No. 50,345.

The following three patents are owned by Anthony M. Campanelli, 70—25 Loubet St., Forest Hills 75, L. I., New York.

Pat. 2,530,225. Cam Actuated Clamp. Patented Nov. 14, 1950. A cam-actuated clamp for use as a lock nut includes a pair of slidably connected semi-cylindrical members having interturned jaws for gripping a bolt. A pair of spaced parallel supporting arms project laterally from one member. The arms have slots to slidably receive pins attached to the other member. A channel-shaped cam member has its legs pivoted to ends of arms. A spring arm engages the web of the channel and urges the legs against the clamp. Groups 33—52; 35—60. Reg. No. 50,346.

Pat. 2,549,572. Step-on Can With Dustpan. Patented Apr. 17, 1951. A can container has a removable dustpan cover and a U-shaped foot lever pivoted at each lower corner of the front side. Links connected to the lever are connected to a cover frame for lifting the cover by depressing the foot pedal. Side flanges of dustpan top extend in grooves of cover frame. The dustpan has a front portion with a handle extending therefrom. A clip is provided at one corner of container to support a brush. Groups 33—71—73; 34—99; 36—81; 40. Reg. No. 50,347.

Pat. 2,593,534. Quick Detachable Toilet Hinge Post Fastener. Patented Apr. 22, 1952. A cam-operated locking clamp for the anchoring bolt of a toilet seat hinge. It includes a pair of rubber lined semi-cylindrical clamping jaws, one of which carries a pair of spaced arms, and the other is movable between the arms. A pivot pin between the arms pivotally supports a lever having an integral cam which conforms to the bearing surface of the clamping member. To release clamp from bolt, lever is pulled upwardly whereby the cam will disengage the bearing surface and the clamping jaws are spread apart. Groups 33—52; 35—60. Reg. No. 50,348.

Pat. 2,591,918. Self-Locking Trailer Coupling Unit. Patented Apr. 8, 1952. A self-locking coupling unit to be attached to an automobile bumper and to the tongue of a trailer. A clamping plate to be fastened to the bumper has a pair of horizontally extending vertically spaced portions between which a post extends. The post is grasped by movable locking elements pivoted to a plate assembly connected to the trailer. A slidable locking pin in a vertical tubular projection on the plate assembly is spring pressed downwardly and is bent at the upper end to form a horizontal handle. The handle is adapted to be received in a notch in the upper end of the projection to allow the pin to automatically drop into registering holes in the locking elements as the elements are engaged about the post. The pin may be retracted by simply lifting it upwardly, and maintained in retracted position by turning it and resting the handle on the upper end of the projection. (Owner) Leslie W. Coughman, Buena Vista, Colo. Groups 33—59; 35—60; 38—11—41. Reg. No. 50,349.

Pat. 2,559,021. Folding Dinette Table and Benches. Patented July 3, 1951. A foldable combination dinette table and benches which can be attached to a wall as a unit. The separate table and benches can be extended from an attaching frame on the wall and supported by their legs for use. The table and benches can be returned to the attaching frame by sliding the inner ends upwardly in grooves in the attaching frame and locating the brace rods and legs flush with the rear faces of the table and benches. (Owner) John M. Leonard, 1814 1st Ave., N. W., Cedar Rapids, Iowa. Group 25—11—14—19. Reg. No. 50,350.

Pat. 2,574,674. Apparatus for Dispensing and Inscribing Tape. Patented Nov. 13, 1951. Dispenser comprises a casing containing a pair of spaced rollers around which a flexible writing surface comprising an endless belt of leather or the like is trained. A hand crank is connected to one of the rollers for moving the belt. A roll of adhesive labeling tape is removably inserted in the casing and the free end of the tape is adhesively connected to the belt. Movement of the belt unwinds the tape from the roll, and a roller presses the tape into adhesive engagement with the belt in condition to be inscribed while in contact with the belt. A flat member over which the upper run of the belt passes supports the belt to facilitate the inscribing operation. After a length of tape has been inscribed, it may be severed from the roll by lifting it upwardly into contact with a cutting blade disposed at the point of entrance of the tape onto the belt. (Owner) Lonis D. Walker, 3820 Mahoning Ave., Apt. 4, Youngstown, Ohio. Group 40. Reg. No. 50,351.

Pat. 2,502,398. Stapling Machine. Patented Apr. 8, 1952. Driving assembly for a stapling machine ejects a staple either in a parallel or an angular position. The foremost staple is below a plunger which reciprocates in a rotatable cam cylinder. A staple driving blade is secured to end of plunger. To permit parallel ejection of a staple, a trigger is pulled outwardly from a slot in cam cylinder. By depressing a handle, a staple is pushed through end channel of magazine, and through a rotatable staple guide-way member. To eject staples angular to original position, the trigger is pushed to engage slot in cam cylinder. Handle is then depressed, moving plunger downwardly, and a pin moves in groove of cam cylinder, causing plunger and guide-way to rotate. This rotation is delayed until a staple and the driving blade have engaged the guide-way member. After the guide-way has been turned to angular position, the plunger ceases to rotate and moves further downwardly to eject and drive the staple. (Owners) Jay N. Edmondson, Harry Poulos, and Clarence R. James. Correspondence to Jay N. Edmondson, 1317 Broadway Ave., Columbus 12, Ohio. Groups 35—79; 40. Reg. No. 50,352.

General Electric Company offers the following 18 patents for non-exclusive licensing on reasonable terms to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Services Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,380,243. Power Transmitting Apparatus. July 10, 1945. Relates to a ship propulsion system in which electro-dynamic power-transmitting couplings are employed between the prime movers and the propeller shaft or shafts. Group 36—19. Reg. No. 50,353.

Pat. 2,578,448. Terminal Socket Electrical Connector. Dec. 11, 1951. Relates to an easily handled pistol grip form of safety insulated socket connector for connecting various conductors to various forms of electrical apparatus in test circuits without the use of the usual jaw type test clips or the like. Group 36—11—13. Reg. No. 50,354.

Pat. 2,504,998. Single Crystal Fabrication. Apr. 29, 1952. Relates to a method of fabricating a single crystal of practically any desired metal in which a graphite mold having walls of varying thickness is utilized. Group 36—11—19. Reg. No. 50,355.

Pat. 2,600,292. Frequency Discriminator Circuit. June 10, 1952. Relates to a discriminator network in which a tuned degenerative circuit is inserted to extend the linear response of the discriminator. Group 36—61—62. Reg. No. 50,356.

Pat. 2,600,321. Self-Lubricated Plastics. June 10, 1952. Relates to a self-lubricating molded plastic body for bearing use having incorporated therein a solid lubricant such as molybdenum sulfide. Group 39—81. Reg. No. 50,357.

Pat. 2,600,330. Fusible Means for Securing Instrument Parts During Shipment. June 10, 1952. Certain parts of delicate electrical measuring instruments and devices are secured against movement during shipment by a fine fusible wire of vaporizable material, which may be destroyed without opening the instrument casing or damaging the instrument by passing a small current through the wire. In the case of many instruments the act of connecting the instrument into a circuit for use may be utilized for automatically destroying the wire. Group 36—13—19. Reg. No. 50,358.

Pat. 2,600,353. Vibration Isolator. June 10, 1952. Relates to mountings for use in suppressing undesirable sounds due to end play of small rotating shafts. The invention is well adapted for use in connection with small electric motors. Group 36—19. Reg. No. 50,359.

Pat. 2,601,022. Purification of Metal Carbonyls. June 17, 1952. Method of purifying a metal carbonyl selected from the group consisting of the carbonyls of tungsten, molybdenum, and chromium comprises distilling the impure carbonyls in contact with a strong aqueous alkali. Group 28—89. Reg. No. 50,360.

Pat. 2,601,023. Preparation of Tungsten Carbide. June 17, 1952. Relates to a process for the preparation of tungsten carbides of a controlled particle size ranging from about 1/2 to 20 microns. Group 28—89. Reg. No. 50,361.

Pat. 2,601,027. Electron Tube Support and Cooling Device. June 17, 1952. Support for an electron tube of the type having a cylindrical metallic base portion surrounds the base of the tube and also acts as a heat conductor, conducting heat dissipated by the base of the tube directly to the chassis of radio apparatus and the like, and away from the tube socket, thus allowing the use of a plastic tube socket in place of ceramic types. Group 36—11—81—82. Reg. No. 50,362.

Pat. 2,601,337. Method for Improving the Adhesion of Organopolysiloxanes to Solid Surfaces. June 24, 1952. Method of improving the adhesion of silicone rubbers and silicone resins to solid surfaces other than copper. Group 28—83. Reg. No. 50,363.

Pat. 2,597,562. Electrically Conducting Layer. May 20, 1952. Relates to electrical resistors, electrical insulators, electrical discharge devices, and the like having high resistance conducting surface layers, the resistivity of which may be controlled and predictably produced within desired values. Group 36—19. Reg. No. 50,364.

Pat. 2,597,674. Precision Resistance Device. May 20, 1952. Relates to a precision resistor potentiometer of the slotted conductive coating type having a contact path of greater resistance material thickness than the remainder of the potentiometer. Group 36—13. Reg. No. 50,365.

Pat. 2,600,348. Two-Stage Hydraulic Control Valve. June 10, 1952. Two-stage proportional hydraulic control valve in which the operation of a relatively large main valve is controlled in proportional response to the operation of a relatively small concentrically positioned pilot valve. Group 33—81. Reg. No. 50,366.

Pat. 2,601,953. Process of Making Chemically Active Graphitic Carbon Powder. July 1, 1952. Chemically active ultra-fine sized graphite particles, which will irreversibly adsorb gases other than the inert gases, may be produced by pressing a graphite rod against a rotating surface in a vacuum, or in the presence of a dry gas of the inert type. Group 32—84. Reg. No. 50,367.

Pat. 2,602,900. Luminescent Screen. July 8, 1952. Luminescent screen for cathode ray tubes is characterized by a reduced halation effect when excited. The screen may be mounted in any desired location within a cathode ray tube and spaced from the viewing face of the tube. Group 36—81. Reg. No. 50,368.

Pat. 2,602,408. Expansion Joint. July 8, 1952. Relates to a method of making an expansible roofing joint between metal shingles or plates. A flexible resilient tape consisting of a backing to which is adhered silicone rubber is employed in forming the joint as the roof is laid. Group 29—32. Reg. No. 50,369.

Pat. 2,603,133. Apparatus for Making Optical Wedges. July 15, 1952. Apparatus for making optical wedges of any desired size and opacity graduation from photographic films. Group 39—12. Reg. No. 50,370.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 17, 1953

[Vol. 667. No. 31]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 538,463. The Sped-Fresh Company, Dayton, Ohio. Filed Oct. 20, 1947.



The lining shown in the drawing is for shading purposes only so as to designate contrasting colors. No claim is made to the exclusive use of the word "Fresh" apart from the mark shown.

For Fresh Cut Flowers.

Claims use since Aug. 18, 1947.

Ser. No. 599,230. Erskine P. Eustice, doing business as "Eustice Farms," Beardstown, Ill. Filed June 16, 1950.

WHATCHUMACALLIT

For Baby Chicks.

Claims use since Mar. 20, 1946.

Ser. No. 605,596. Magnet Cove Barium Corporation, Bellaire, Tex. Filed Oct. 30, 1950.

MAGCO

Applicant claims ownership of Registration No. 387,312. For Ground Barytes, Native Clays, and Mica. Claims use since May 15, 1940.

Ser. No. 613,433. Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Filed May 3, 1951.

FIREFLO

For Liquid Composition for Addition to Foundry Core, Molding and Facing Sand Mixtures To Prevent the Mixtures From Adhering to Core Boxes and Patterns and To Improve the Workability of the Mixtures.

Claims use since Feb. 23, 1951.

Ser. No. 620,696. Standard Insulation Company, East Rutherford, N. J. Filed Oct. 30, 1951.

SICORAN

Applicant claims ownership of Registration No. 549,654. For Laminated Material, the Laminations Consisting of a Thermoplastic Material Combined With Pulpboard, Newsboard, Paper Felt, or Cork Sold in Sheet Form for General Use in the Industrial Arts.

Claims use since July 27, 1951.

Ser. No. 624,363. Seaboard Seed Company, Philadelphia, Pa. Filed Jan. 31, 1952.

PARK-VALE

For Lawn Seed.

Claims use since 1940.

Ser. No. 624,366. Seaboard Seed Company, Philadelphia, Pa. Filed Jan. 31, 1952.

**Castle
gardens**

For Lawn Seed.

Claims use since February 1951.

Ser. No. 624,367. Seaboard Seed Company, Philadelphia, Pa. Filed Jan. 31, 1952.

Lancashire

Applicant claims ownership of Registration No. 321,666. For Lawn Seed.

Claims use since 1936.

Ser. No. 625,371. Atlantic Sponge & Chamols Corporation, New York, N. Y. Filed Feb. 27, 1932.



The word "Chamols" is disclaimed apart from the mark as shown.

For Chamols.

Claims use since January 1932.

Ser. No. 629,455. Northrup, King & Co., Minneapolis, Minn. Filed May 9, 1952.

TERRA VERDE

The word "Verde" is disclaimed from the mark as shown.

For Alfalfa Seed.

Claims use since August 1951.

Ser. No. 633,262. Hoffmann-Stafford Tanning Co., Chicago, Ill. Filed July 30, 1952.

RANCHTAN

For Leather.

Claims use since July 20, 1952.

Ser. No. 636,829. Socfin Company, Limited, Kuala Lumpur, Malaya. Filed Sept. 11, 1952.

PLASTORUB

For Natural, Synthetic, and Reclaimed Rubbers in the Form of Sheets for Further Use in the Industrial Arts. Claims use since Apr. 22, 1949.

CLASS 2

RECEPTACLES

Ser. No. 580,868. American Linen Supply Co., sometimes doing business as Steiner Sales Company Division of American Linen Supply Co., Carson City, Nev., and Chicago, Ill. Filed June 22, 1949. (Sec. 2f.)

AMERICAN AUTOMATIC

The word "Automatic" is disclaimed apart from the mark as shown.

For Cabinets for Dispensing Paper Towels.

Claims use since Apr. 17, 1936.

Ser. No. 606,435. Norton Laboratories, Inc., Lockport, N. Y. Filed Nov. 15, 1950.

Magnetic Pin-Bin

The words "Magnetic Pin" are disclaimed for registration purposes apart from the mark as shown.

For Circular Compartmented Jar Made of Plastic Material for Hairpins, Bobby Pins, Needles, Safety Pins, and the Like.

Claims use since July 20, 1949.

Ser. No. 619,068. Bath Tyre Service Depot Limited, Kensington, Bath, Somerset, England. Filed Sept. 21, 1951.

PERENNIS

Applicant claims ownership of British Registration No. 689,390, dated May 30, 1950.

For Flower Pots and Dish-Like Flower Pot Holders All Made of Rubber or Synthetic Rubber.

Ser. No. 628,029. The Associated Merchandising Corporation, New York, N. Y. Filed Apr. 14, 1952.



For Clothes Hampers Made of Steel Ribbed Fibre. Claims use since Feb. 25, 1952.

Ser. No. 633,842. Fruit Products Corporation, New York, N. Y. Filed Aug. 13, 1952.

COOL TIME

Applicant claims ownership of Registration No. 561,892. For Empty Bags Made of Glassine, Vegetable Parchment, Cellulose Film, Waxed Paper, and/or Metal Foil. Claims use since June 2, 1952.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORT-FOLIOS, AND POCKETBOOKS

Ser. No. 623,101. Miller and Rhoads, Incorporated, Richmond, Va. Filed Dec. 10, 1951. (Sec. 2f.)

THE SHOPPING CENTER

Applicant claims ownership of Registration No. 544,796. For Baggage—Namely, Hand Bags, Suit Cases, Brief Cases, Trunks and Hat Boxes; and Animal Equipment—Namely, Dog Feeding Bowls, Dog Collars, Dog Leashes, and Dog Baskets.

Claims use since April 1917.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 618,114. Carl Perry Groves, doing business as Groves Products Company, Iberia and Kansas City, Mo. Filed Aug. 27, 1951.

PERMA-TREAT

Use of the word "Treat" is disclaimed apart from the mark as shown.

For Automobile and Furniture Polish.

Claims use since June 1, 1951.

Ser. No. 622,206. Durex Abrasives Corporation, New Rochelle, N. Y. Filed Dec. 7, 1951.

DUREXSIL

Applicant claims ownership of Registrations Nos. 209,366, 262,555, and others.

For Natural and Artificial Abrasives—Namely, Abrasive Coated Cloth or Paper and Combinations of Abrasive Paper and Cloth.

Claims use since Dec. 20, 1929.

Ser. No. 625,094. Borax Consolidated, Limited, doing business as Pacific Coast Borax Co., Division of Borax Consolidated, Limited, London, England, and Los Angeles, Calif. Filed Feb. 18, 1952.

20 MULE TEAM

Applicant claims ownership of Registrations Nos. 50,363, 327,847, and others.

For Boric Acid Spangles for Use in Rendering Floors Suitably Smooth and Slippery for Dancing.

Claims use since September 1891.

Ser. No. 633,294. Behr-Manning Corporation, Troy, N. Y. Filed July 31, 1952.

MOHAWK

Applicant claims ownership of Registrations Nos. 129,784, 144,842, and 375,932.

For Flexible and Inflexible Abrasives.

Claims use since May 9, 1910.

CLASS 5

ADHESIVES

Ser. No. 605,054. Herman J. Reich, doing business as Magic Iron Cement Company, Cleveland, Ohio. Filed Oct. 17, 1950.

Magic

Applicant claims ownership of Registration No. 412,098. For Liquid Casein Glue, Crystal Clear Cement, Powdered Casein Glue, and Plastic Resin Glue.

Claims use since April 1936.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 607,027. Industrial Research Laboratories, Houston, Tex. Filed Nov. 28, 1950.



Applicant disclaims the word "Tire," its representation, and the representation of the map of Texas.

For Rubber Preservative and Rust Inhibitor.

Claims use since Sept. 18, 1944.

Ser. No. 617,436. Chipman Chemical Company, Inc., Bound Brook, N. J. Filed Aug. 8, 1951. (Sec. 2f.)

SHED-A-LEAF

For Chemical Plant Spray for the Destruction of Plants and the Foliage Thereof, Such as Dessication, Defoliation, and Weed Control.

Claims use since July 15, 1949.

Ser. No. 621,438. Emmett L. Fox, Brooks, W. Va. Filed Nov. 20, 1951.

Silent DEATH

The word "Death" is disclaimed apart from the mark as shown.

For Chemical Preparation To Be Used as a Rat and Mouse Killer.

Claims use since Aug. 20, 1951.

Ser. No. 623,325. Algin Corporation of America, New York, N. Y. Filed Jan. 9, 1952.

GELCARIN

For Refined Irish Moss Extract Used as a Thickening, Suspending, or Gelling Agent in Food, Drug, and Cosmetic Preparations.

Claims use since Apr. 22, 1949.

Ser. No. 623,328. Algin Corporation of America, New York, N. Y. Filed Jan. 9, 1952.

VISCARIN

For Refined Sodium Carrageenate Used as a Thickening, Suspending, or Gelling Agent in Food, Drug, and Cosmetic Preparations.

Claims use since Apr. 25, 1949.

Ser. No. 623,442. United States Rubber Company, New York, N. Y. Filed Jan. 10, 1932.

PHYGON NAUGETS

Applicant claims ownership of Registrations Nos. 430,237 and 527,002.
For Fungicides in Pelletized Form.
Claims use since Jan. 17, 1951.

Ser. No. 623,739. William M. Stieh and Co., Inc., Teaneck, N. J. Filed Jan. 17, 1952.

DYNACIDE

For Herbicides—Namely, Crab Grass and Weed Killers.
Claims use since Nov. 15, 1948.

Ser. No. 624,897. Reefer-Galler, Incorporated, New York, N. Y. Filed Feb. 13, 1952.

A T O M I S T

For Insecticide.
Claims use since Jan. 29, 1952.

Ser. No. 624,898. Reefer-Galler, Incorporated, New York, N. Y. Filed Feb. 13, 1952.

F E L

For Insecticide.
Claims use since Jan. 29, 1952.

Ser. No. 626,781. The R. J. Brown Company, St. Louis, Mo. Filed Mar. 21, 1952.

BRONOCO

HI-SOL.

The words "Hi-Sol" are disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 158,906, 309,598, and 538,211.
For Naphthas.
Claims use since Nov. 23, 1945.

Ser. No. 628,235. Warcin Company, Chicago, Ill. Filed Apr. 17, 1952.

Warcin

For Rodenticides.
Claims use since Apr. 4, 1951.

Ser. No. 629,089. Process Chemicals Company, Los Angeles, Calif. Filed May 14, 1952.

PROPASTE

For Wetting Agents.
Claims use since Sept. 23, 1948.

Ser. No. 629,707. A/S Kymela, Copenhagen, Denmark. Filed May 15, 1952.

Flamol

Applicant claims ownership of Danish Registration No. 183/1933, dated Feb. 23, 1935.

For Solutions (or Solids for Use in Preparing Solutions) for Impregnation So as To Make Porous Inflammable Materials Fire-Resistant, Notably Wood, Textile Goods, and Paper Including Wooden Constructions in Buildings and Ships, Tents, Blankets, Carpets, Clothes, and Theatre Scenery.

Ser. No. 633,821. Chemische Forschungsgesellschaft M. b. H., Munich, Bavaria, Germany. Filed July 12, 1952.

Polyviol

Applicant claims ownership of German Registration No. 386,271, dated May 12, 1928.

For Saponified Polyvinyl Acetate.
Claims use since Apr. 29, 1950, in commerce between foreign nations and the United States.

Ser. No. 638,220. Spencer Chemical Company, Kansas City, Mo. Filed Nov. 17, 1952.

MIR . X

For Weed Killer.
Claims use since Oct. 30, 1952.

CLASS 7 CORDAGE

Ser. No. 622,566. Charles Ulmer, Inc., City Island, N. Y. Filed Dec. 15, 1951.

PINN SHEETS

For Rope.
Claims use since October 1951.

Ser. No. 631,095. Darrell-Dillon Company, Hampton, Iowa. Filed June 12, 1952.



No claim is made to the word "Hampton" apart from the mark as shown on the drawing.
For Baler Twine and Binder Twine.
Claims use since Jan. 1, 1952.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 617,564. Union Allumettiere Societe Anonyme, Brussels, Belgium. Filed Aug. 10, 1951.



The words "Impregnated Safety Match" and "Made in Belgium" are disclaimed apart from the mark shown. Applicant claims ownership of Belgium Registration No. 69,939.

For Impregnated Safety Matches.
Claims use since April 1951.

CLASS 10 FERTILIZERS

Ser. No. 629,238. Henry A. Dreer, Inc., Philadelphia, Pa. Filed May 6, 1952.



For Soil Conditioner.
Claims use since May 2, 1952.

CLASS 12 CONSTRUCTION MATERIALS

Ser. No. 541,513. Coast Insulating Products, Los Angeles, Calif. Filed Nov. 18, 1947. (Sec. 2f.)

Pak-felt

Applicant claims ownership of Registration No. 356,301.
For Rock Wool for Insulation of Buildings and Other Structures.
Claims use since Mar. 5, 1936.

Ser. No. 564,084. Vibradamp Corporation, Los Angeles, Calif. Filed Mar. 18, 1950.

VIBRAGLASS

For Glass Fibre Saturated With Resinous Material for Use as a Shock Mount.
Claims use since Feb. 1, 1950.

Ser. No. 599,431. Haskellite Manufacturing Corporation, Grand Rapids, Mich. Filed June 20, 1950.



Applicant claims ownership of Registrations Nos. 122,211, 427,221, 427,222, and others.

For Construction Materials—Namely, Unfinished Plywood Shapes in the Form of Shells and Panels, Plywood, and Laminated Material of the Following Construction: Layers of Resin Impregnated Fabric, Paper, or Other Fibrous Materials; a Plywood Panel With a Sheet of Vulcanized Fiber on One or Both Sides; One or More Thin Sheets of Metal in Combination With Plywood or Other Fibrous Materials; a Metallic Sheet or Panel Having on One or Both Sides Thereof Thin Wood Veneer or Other Decorative Material; Hardwood Plywood Glued Under Fluid or Semi-Fluid Pressure; and Synthetic Resin Paper on a Metal Backing Adapted for Structural and Decorative Use.

Claims use since Feb. 11, 1918.

Ser. No. 601,334. John A. Roebling's Sons Company, Trenton, N. J. Filed July 27, 1950. (Sec. 2f.)

ROEBLING

Applicant claims ownership of Registrations Nos. 63,878, 63,491, and 63,493.

For Bridges Constructed of Wire and Wire Ropes.
Claims use since in or about 1850.

Ser. No. 601,820. Convoxy, Incorporated, Canton, Ohio. Filed Aug. 7, 1950.

chem-board

Apart from the mark as shown in the drawing, no claim is made to the word "Board."

For Corrugated Paper in Sheet Form That Has Been Hardened and Strengthened by Impregnation With an Introyfing Agent Such as Sulphur, the Same Being Used by Virtue of Its Sturdiness as a Raw Material for the Building Trades, for the Construction of Stiff-Walled Containers, for Rigid Partitions, Dividers, Etc.

Claims use since on or about July 3, 1950.

Ser. No. 610,996. Conrad Sovig Co., San Francisco, Calif. Filed Mar. 7, 1951.

KOLORBLEN

For Fast Hardening Color Finish, Cementitious in Nature, for Concrete Surfaces.
Claims use since March 1949.

Ser. No. 611,025. W. E. Dunn Manufacturing Company, Holland, Mich. Filed Mar. 8, 1951. (Sec. 2f.)

DUNTILE

Applicant claims ownership of Registration No. 165,086.
For Concrete Roofing Tile.
Claims use since Feb. 1, 1921.

Ser. No. 615,555. Howell Manufacturing Company, Philadelphia, Pa. Filed June 22, 1951. (Sec. 2f as to "How-Ell-Dor.")



No claim is made to the words "Phila." and "Pa." Applicant claims ownership of Registration No. 425,093. For Doors of Various Kinds for Use in Buildings Such as Dwellings, Garages, Warehouses, and Factories. Claims use since September 1947 on the mark as shown; and since November 1939 on the words "How-Ell-Dor."

Ser. No. 616,680. Rock Island Millwork Company, Rock Island, Ill. Filed July 19, 1951.



No claim is made to the terms "Quality Millwork" and "Since 1868," apart from the mark as shown.

For Building Woodwork of Natural Wood and of Synthetic Lumber Formed of Resin-Bound Sawdust, in Particular Flush Doors, Panelled Doors, Combination Doors, Door Paneling, Built-in Kitchen Cabinet Wall Units, Windows, Window Sash, Frames for Doors, Windows, and Screens, and Hardwood Dowels. Claims use since Nov. 30, 1950.

Ser. No. 616,925. Shad-O-Blok Corporation, Lancaster, Ohio. Filed July 25, 1951.



Applicant hereby disclaims the goods as set forth above. Applicant hereby disclaims the word "Blok" as used apart from the mark as shown.

For Concrete Block. Claims use since June 13, 1951.

Ser. No. 620,799. Borg-Warner Corporation, Chicago, Ill. Filed Nov. 2, 1951.

Ingersoll 3-Way

No claim is made to the surname "Ingersoll" apart from the mark as shown.

For Closures for Openings in Buildings—Namely, Windows and Doors Made of Wood, Metal, and Both, and Having Therein Panels of Glass and Screen Material. Claims use since Aug. 19, 1951.

Ser. No. 621,406. International Glass Fibres Corporation, Baltimore, Md. Filed Nov. 19, 1951.

FIBRELUX

For Construction Material—Namely, Translucent, Non-Porous, Non-Corrosive, Fire Resistant, Corrugated, and Non-Corrugated Glass Fiber Sheets, Capable of Being Sawed, Drilled, and Nailed.

Claims use since Oct. 3, 1951.

Ser. No. 621,544. Certain-teed Products Corporation, Ardmore, Pa. Filed Nov. 23, 1951.

DENSWALL

Applicant claims ownership of Registration No. 559,895. For Calcined Gypsum Plaster. Claims use since Aug. 25, 1951.

Ser. No. 622,142. Certain-teed Products Corporation, Ardmore, Pa. Filed Dec. 6, 1951.

DENSFLOR

For Flooring Compound Including a High Proportion of Calcined Gypsum Plaster. Claims use since Nov. 4, 1951.

Ser. No. 622,186. Western Pine Association, Portland, Oreg. Filed Dec. 6, 1951. COLLECTIVE MARK.



No claim is made to the words "White Fir" apart from the mark as shown.

For Lumber, Millwork, and Lath. Claims use since Apr. 1, 1948.

Ser. No. 622,468. United States Steel Company, Pittsburgh, Pa. Filed Dec. 13, 1951.

TRI-TEN

Applicant claims ownership of Registration No. 544,401. For Constructional Steel Sections, Bars, and Plates. Claims use since May 2, 1950.

Ser. No. 624,581. American Bldrok Company, Chicago, Ill. Filed Feb. 6, 1952.



The Hoing on the drawing is employed to show the use of shading to the form of various colors.

For Pre-Mixed Dry Plaster, the Principal Ingredients of Which Are Gypsum and Perlite; Pre-Mixed Concrete the Principal Ingredients of Which Are Portland Cement and Perlite; and Lightweight Insulating Aggregates for Concrete and Plaster—Namely, Bentonite and Magnesite; Perlite Aggregates for Plaster and Concrete; Pre-Mixed Lightweight Insulating Plaster; Pre-Mixed Lightweight Insulating Concrete; Pre-Mixed Acoustical Plaster and Pre-Mixed Acoustical Plastic; Acoustical Tile; High-Temperature Insulating Cement; High-Temperature Insulating Brick; Refractory Insulating Brick; Pipe Insulation; Underground Pipe Insulation; Pre-Cast Concrete Slabs; Pre-Cast Concrete Smoke Stacks; Comminuted Cold Storage Insulation; Gypsum Plaster; Portland Cement; Pre-Cast Concrete Roof Decking, Wall Panels, and Floor Panels; and Comminuted Granular Fill Insulation. Claims use since Sept. 9, 1951.

Ser. No. 625,338. Peter L. Cassidy, doing business as Cass Products Company, Chicago, Ill. Filed Feb. 21, 1952.



The words "Tub-Seal" are disclaimed apart from the mark.

For Plastic Sealing Compound. Claims use since Dec. 5, 1951.

Ser. No. 626,327. A. W. Hastings & Co. Inc., Somerville, Mass. Filed Mar. 12, 1952.

MONOTRIM

For Metal Molding. Claims use since September 1950.

Ser. No. 626,483. Tri-State Sliding Company, Inc., Shreveport, La. Filed Mar. 14, 1952.



No claim is made to the word "Stone" and the representation of the goods except in combination with the mark as shown.

For Concrete Veneer Consisting of Cast Stone. Claims use since Oct. 1, 1951.

Ser. No. 627,620. Berry Asphalt Company, Chicago, Ill., and Magnolia, Ark. Filed Apr. 5, 1952.

PERMA Mix

The word "Mix" is disclaimed apart from the mark as shown.

For Fine Aggregate Coated With Chemically Treated Asphalt for Resurfacing and Patching Any Dry or Moist Surface, Concrete, Tile, Wood, or Asphalt.

Claims use since Dec. 31, 1948.

Ser. No. 628,182. Robert R. Abrams, East Orange, N. J. Filed Apr. 17, 1952.

SONOSORBER

For Sound-Absorbing Board Materials—Namely, Sheets of Sound-Absorbing Material Adapted To Be Suspended in Rooms for Sound-Absorption Purposes. Claims use since Mar. 20, 1952.

Ser. No. 628,294. Precision Parts Corporation, Nashville, Tenn. Filed Apr. 18, 1952. (Sec. 2f.)

PRECISION

For Folding Stairways. Claims use since Feb. 4, 1947.

Ser. No. 628,432. Serley Company, Minneapolis, Minn. Filed Apr. 21, 1952.



The drawing is lined for red. For Window Millwork—Namely, Window Frames, Window Sash, and Storm and Screen Sash. Claims use since Feb. 25, 1952.

Ser. No. 629,186. Arnold Products, Inc., Opa-locka, Fla. Filed May 5, 1952.

JAL-DOR

Applicant hereby disclaims the exclusive use of the word "Dor" apart from the mark as submitted in this application.

For Doors. Claims use since July 12, 1951.

Ser. No. 629,187. Arnold Products, Inc., Opa-locka, Fla. Filed May 5, 1952.

STORM-WIN

Applicant hereby disclaims the exclusive use of the word "Storm" apart from the mark as submitted in this application.

For Storm Windows. Claims use since Mar. 7, 1952.

Ser. No. 634,219. Simpson Logging Company, Seattle, Wash. Filed Aug. 20, 1952.

HARDTEMP

For Hardboard. Claims use since June 10, 1952.

Ser. No. 636,809. Janet P. Salomon, doing business as Lanostone of America, Milwaukee, Wis. Filed Oct. 17, 1952.

LANOSTONE

For Molds for Forming Impressions of Imitation Stone on Cement, Plaster, and Like Walls. Claims use since Oct. 16, 1950.

Ser. No. 636,810. Janet P. Salomon, doing business as Lanonite of America, Milwaukee, Wis. Filed Oct. 17, 1952.

LEDGE-ROCK

For Molds for Forming Impressions of Imitation Stone on Cement, Plaster, and Like Walls.
Claims use since Nov. 1, 1951.

CLASS 13

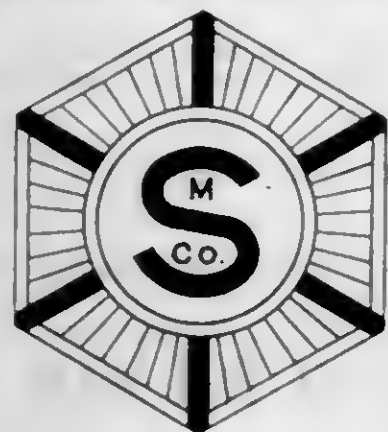
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 523,519. Forstner Chain Corporation, Irvington, N. J. Original filed, act of 1905, June 4, 1947; amended to application under act of 1946, Principal Register, Apr. 14, 1949. (Sec. 2f.)

SWAP-LOCK

For Key Rings and Key Chains.
Claims use since on or about Jan. 1, 1938.

Ser. No. 585,348. Leo Schwalger, doing business as Schwalger Manufacturing Company, Cullman, Ala. Filed Sept. 26, 1949.



The word "Co" is hereby disclaimed separate and apart from the mark as shown.
For Metal Clamp Lock Nuts.
Claims use since June 3, 1947.

Ser. No. 608,346. Elastic Stop Nut Corporation of America, Union, N. J. Filed Jan. 4, 1951. (Sec. 2f.)

ELASTIC STOP

Applicant claims ownership of Registration No. 279,190.
For Lock Nuts.
Claims use since June 1, 1929.

Ser. No. 617,273. Aquadyne Corporation, New York, N. Y. Filed Aug. 3, 1951.

PYROBLENDER

For Cylinder, Pipe Lines, and Valves Sold as a Unit To Be Connected to the Water Supply Line To Be Used for Mixing Water With Chemicals for Firefighting.
Claims use since May 29, 1951.

Ser. No. 621,275. A. Y. McDonald Manufacturing Co., Dubuque, Iowa. Filed Nov. 15, 1951. (Sec. 2f.)

McDonald

Applicant claims ownership of Registrations Nos. 527,978 and 527,980.

For Check Valves, Relief Valves, Air Pressure Control Valves for Deep and Shallow Well Pumps, Throttle Valves, Water Faucets, Gate Valves, Globe Valves, Well Caps and Seals for Covering the Ends of Well Casings, Pump Spouts, Pipe Strainers, Water Hydrants, Water Conductors Comprising a Hollow Body Adapted To Be Suspended From a Pump Spout and a Water Conveying Pipe Connected Thereto, Float Valves, Frost Hole Valves, Bath Tub Fixtures—Namely, Valve Holders, Valve Stems, Over-Rim Spouts, and Drains, Shower Bath Fixtures—Namely, Shower Heads, Shower Arms, Diverter Valves, Shower Valves, Escutcheons for Valve Stems, Spouts, and Shower Rims, Bath Tub Drains, Bath Tub Faucets, Lavatory Fixtures, Lavatory Faucets, Lavatory Supply Pipes, Kitchen Sink Faucets, Compression Faucets, Laundry and Lawn Faucets, Valve Handles and Spouts, Pipe Couplings, Steam Valves, Gas Valves, Oil Faucets, Radiator Fill Faucets, Cast Iron Traps, Drum Traps, Grease Traps, Floor Drains, Sink Brackets, Service Boxes for Settling in Lawns, Gardens, and Golf Courses and Connected With Underground Pipes for Hose Connection, Trap Covers, Pipe Swing Joints, Hose Spouts, Oil Nozzles, Dust Caps for Hose Couplings, Hose Couplings, Filling Caps for Storage and Transit Oil and Gasoline Tanks, Vacuum Breakers for Oil Lines, Tank and Tank Car Safety Covers Adapted to Automatically Release Under Pressure, Valve Vent Attachments for Storage and Transit Tanks for Relieving Pressure Therein, Unloading Apparatus for Tank Cars, Consisting of Pipes Extending Into the Tank Cars and to Storage Tanks With Swing Joints and Valves Connected Thereto in Unit Form, Oil and Gasoline Line Strainers, Pump Valve Manifold Connections, Emergency Storage Tank Valves, Storage Tank Drain Valves, Plug Valves, Self Closing Loading Line Valves, Emergency Valves for Transit Tanks, Foot Valves for Transit Trucks, and Flush Fill Boxes for Covering Fill Pipes.

Claims use since 1908.

Ser. No. 621,278. A. Y. McDonald Manufacturing Co., Dubuque, Iowa. Filed Nov. 15, 1951.



Applicant claims ownership of Registrations Nos. 527,978 and 527,979.

For Foot Valves and Strainers, Pipe Plugs, Pipe Couplings for Jet Pumps, Regulating Valves, Single and Double Pipe Jet Fittings, Well Seals for Use in Sealing the Open Ends of Well Casings With Openings There-through for the Reception of Water Pipes, Casing Adapters for Use in Sealing the Open End of Well Casings With a Chamber Therein and Threaded Trunnions Thereon To Which Pipes From a Pump Are Connected, Check Valves, Float Valves, Faucets, Faucet Spouts, Pipe Couplings, Stop Valves, Goose-neck Connecting Pipes, Pipe Unions, Soldering Nipples, Gas Valves, Faucets, Tank Vents, Flush Fill Pipe Boxes for Covering Fill Pipes, Traps for Sinks, Lavatories and Bath Tubs, Grease Traps, Floor Drains, and Discharge Nozzles for Oil and Gasoline.

Claims use since 1908.

Ser. No. 620,414. Robertshaw-Fulton Controls Company, Greensburg, Pa. Filed Mar. 13, 1952. (Sec. 2f.)

ROBERTSHAW

Applicant claims ownership of Registration No. 509,419.
For Metal Valves and Cocks for Controlling Flow of Gaseous Fluids.
Claims use since 1900.

Ser. No. 627,181. Genie-Craft Corporation, Washington, D. C. Filed Mar. 28, 1952.



With respect to the expression "Works Like Magic," the applicant hereby disclaims such expression apart from the mark.

For Metal Cooking Ware—Namely, Roasting Pan and Top, Casserole Pan, Frying Pan, Skillet, Baking Pan, Vegetable Pan, and Covers Therefor.
Claims use since Oct. 31, 1951.

Ser. No. 629,500. Melard Manufacturing Corporation, Loog Island City, N. Y. Filed May 10, 1952.

Melo-Flu

The term "Flu" is disclaimed except as part of the mark as shown.
For Aerators for Liquids.
Claims use since Apr. 2, 1952.

Ser. No. 631,857. Federal Fence Manufacturing Company, Inc., Westerville, Ohio. Filed June 27, 1952.

FEDERAL

For Metal Fences.
Claims use since March 1950.

Ser. No. 633,441. Aktiebolaget Vibro-Verken, Stockholm, Sweden. Filed Aug. 4, 1952.



For Brackets and Locking Levers and Locking Bolts for Securing Vibrating Units to Objects To Be Vibrated.
Claims use since Apr. 29, 1947; and since Apr. 29, 1947, in commerce between foreign nations and the United States.

Ser. No. 633,843. Fruit Products Corporation, New York, N. Y. Filed Aug. 13, 1952.

COOL TIME

Applicant claims ownership of Registration No. 561,802.
For Handle Sticks for Confectionery Products Sold Separately From Said Products.
Claims use since July 24, 1952.

Ser. No. 633,987. Kohler Co., Kohler, Wis. Filed Aug. 15, 1952.

K OF K

Applicant claims ownership of Registration No. 269,640.
For Plumbing Fixtures—Namely, One-Piece Closets, Closet Bowls, Urinals, and Bidets, All of Vitreous China, and Urinals of Enameled Ironware.
Claims use since November 1927.

Ser. No. 634,089. Kohler Co., Kohler, Wis. Filed Aug. 18, 1952. (Sec. 2f.)

Duostrainer

Applicant claims ownership of Registration No. 255,271.
For Combination Removable Strainer Cup and Waste Control.
Claims use since Jan. 24, 1928.

Ser. No. 634,091. Kohler Co., Kohler, Wis. Filed Aug. 18, 1952. (Sec. 2f.)

NIEDECKEN

Applicant claims ownership of Registration No. 214,059.
For Mixing Valves.
Claims use since Jan. 1, 1911.

Ser. No. 634,421. Roto-Gate Valves, Inc., Plainview, Tex. Filed Aug. 25, 1952.



For Plug Valves.
Claims use since on or about Feb. 2, 1952.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 619,772. Societe des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, Belgium. Filed Oct. 9, 1951.



No claim is made to the exclusive use of the term "Liege" and the designations "Twelve T." Applicant claims ownership of Belgium Registration No. 4,583, dated June 30, 1933.
For Zinc.

Ser. No. 632,282. American Brake Shoe Company, New York, N. Y. Filed July 9, 1952.

RACOR

Applicant claims ownership of Registrations Nos. 169,851, 173,737, and others.
For Rail Anchoring Stud.
Claims use since Feb. 25, 1950.

Ser. No. 632,706. The Zeller Corporation, Defiance, Ohio. Filed July 17, 1952.



For All Types of Steel and Alloy Steel Components To Be Assembled in Finished Articles and Produced by Forging, Stamping, and Cutting.
Claims use since Apr. 28, 1952.

CLASS 15

OILS AND GREASES

Ser. No. 613,905. Commerce Oil Corporation, Warren, Pa. Filed May 16, 1951.



For Lubricating Oils and Petroleum Waxes.
Claims use since Apr. 27, 1946.

Ser. No. 624,544. R. M. Hollingshead Corporation, Camden, N. J. Filed Feb. 5, 1952. (Sec. 2f.)

LOOSEN-ALL

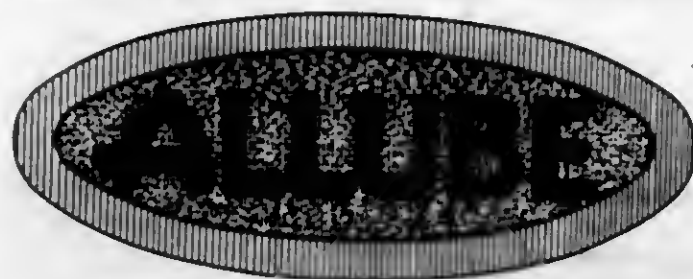
For Penetrating Oil for Freeing All Types of Frozen Mechanical Unions, Such as Nuts, Bolts, Pipe Joints and the Like, and for Freeing Seized Parts of Moveable Mechanisms.
Claims use since June 1938.

Ser. No. 627,606. Standard Oil Company of California, doing business as Signal Oil Company, Los Angeles, Calif. Filed Apr. 4, 1952.

SIGNABLAZE

For Pressure Appliance Fuel.
Claims use since July 27, 1951.

Ser. No. 628,248. Allube Corporation, Glendale, Calif. Filed Apr. 18, 1952.



The drawing is lined for a red border and a yellow field within the border.
For Liquid and Solid Lubricants—Namely, Oils and Greases for Automotive Equipment.
Claims use since 1932.

Ser. No. 628,505. Penn-Champ Oil Corporation, Butler, Pa. Filed Apr. 22, 1952.

PENN CHAMP

The applicant disclaims any right to the word "Penn" apart from its use as part of the mark.
For Motor Oil and Machine Oil.
Claims use since in the latter part of 1932.

Ser. No. 629,335. Viciyrlite Candle Company, Oshkosh, Wis. Filed May 7, 1952.



Disclaimer is made of the representations of the candles apart from the mark as shown.
For Candles, including Novelty Candles as Well as Tapers.
Claims use since May 2, 1946.

Ser. No. 629,615. Metal Lubricants Co., Chicago, Ill. Filed May 13, 1952.



There is no claim made of any color with respect to the lining or any other part of the mark.
For Drawing Oil Which Is Applied to Metals Being Formed or Shaped To Prevent Scoring or Seizure of the Die and Metal Being Worked or Formed, Cutting Oil Which Is Applied or Flown Onto Metal That Is Being Machined, Tapped, Threaded, or Ground To Act as a Coolant and Lubricant, Lubricating Oil and Lubricating Grease.
Claims use since about March 1925.

Ser. No. 630,618. Rose Oil Company, Vicksburg, Miss. Filed June 2, 1952.

RIDE WITH

ROSE

For Gasoline, Motor Oil, Kerosene, and Diesel Fuel.
Claims use since July 1935.

Ser. No. 631,610. Electrofilm Corporation, North Hollywood, Calif. Filed June 23, 1952.

Lube-Lok

The word "Lube" is disclaimed apart from the mark "Lube-Lok."
For Graphite and Finely Divided Metallic Lubricating Compositions Applicable in Liquid Form to Metallic Surfaces and Bondable Thereto by Drying.
Claims use since Nov. 16, 1951.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 598,965. Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Filed June 12, 1950.

GELVATEX

Applicant claims ownership of Registrations Nos. 290,741 and 327,391.
For Paint Bases and Paints Compounded From Aqueous Emulsions of Polyvinyl Acetate.
Claims use since May 31, 1947; and use in commerce between Canada and the United States since Mar. 16, 1948.

Ser. No. 600,867. U. S. Industrial Chemicals, Inc., New York, N. Y., assignor to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia. Filed July 18, 1950.

AROPOL

For Resins in Solution Used in the Manufacture of Paints, Varnishes, and Lacquers.
Claims use since June 1, 1950.

Ser. No. 622,384. Elraco Engineering Company, Hoboken, N. J. Filed Dec. 12, 1951.

ELRACO

For Protective Plastic Paint in the Nature of an Interior Boiler and Tank Coating.
Claims use since November 1946.

Ser. No. 632,608. The Sherwin-Williams Company, Cleveland, Ohio. Filed July 17, 1952.

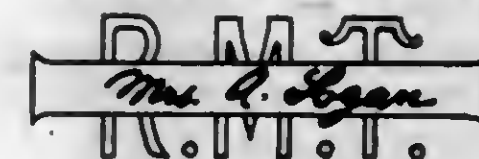
KEM-KRETE

Applicant claims ownership of Registrations Nos. 275,775, 559,004, and others.
For Enamel Type Coating To Be Applied to Concrete Blocks, Building Tile, Concrete Surfaces, Wallboard, Etc.
Claims use since Apr. 4, 1952.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 567,147. Lorraine H. Korman, doing business as C. & H. Steinkraus Co., Chicago, Ill. Filed Oct. 18, 1948. (Sec. 2f.)



The term "Mrs. A. Logan" refers to the name of a person now deceased. Applicant claims ownership of Registration No. 20,361.
For Medicinal Tea.
Claims use since December 1896.

Ser. No. 604,073. Collin Pharmacal Co., Inc., Long Island City, N. Y. Filed Sept. 27, 1950.

HYTEN

For Pharmaceutical Preparation for Use in Treating Hypertension.
Claims use since Aug. 10, 1950.

Ser. No. 605,634. Hulman & Company, Terre Haute, Ind. Filed Oct. 17, 1950.



The silhouette forming part of the trade-mark is that of Count Rumford, deceased, after whom applicant's predecessor was named by Prof. Horsford. Applicant claims ownership of Registration No. 101,215.
For Preparations for Use as a Medicine or Tonic and for Other Analogous Uses—Namely, Acid Phosphate.
Claims use since Jan. 4, 1870.

Ser. No. 612,030. Pan Pharmaceuticals, Inc., New York, N. Y. Filed Mar. 30, 1951.

AMBERMIDE

For Pharmaceutical Preparation for the Treatment of Affections of the Rheumatoid Type Including Rheumatism, Arthritis, Rheumatic Fever, Certain Forms of Sciatica and

Neuritis, Bursitis, Fibrositis, Myositis, and Lumbago, and Other Rheumatoid Conditions, and Also Effective as an Analgesic.

Claims use since Mar. 5, 1951.

Ser. No. 614,167. Schering Corporation, Bloomfield, N. J. Filed May 21, 1951.

REPETABS

For Medicated Repeat Action Tablets for Use in the Treatment of Hormone Deficiencies, Allergies, and Infection Diseases.

Claims use since Feb. 20, 1951.

Ser. No. 614,638. United Research Laboratories, Inc., Philadelphia, Pa. Filed June 1, 1951.

Dermar

For Dermatropic Hormones and Dermatropic Hormone Preparations for Use in Stimulating the Growth of Hair, the Preparations Being in Solution Form for Hypodermic Intramuscular Injection and in Cream Form for Topical Application to and Absorption by the Scalp.

Claims use since Apr. 1, 1951.

Ser. No. 616,439. National Vitamin Corporation, Washington, D. C. Filed July 13, 1951.

geri-quota

The mark consists of the words "Geri-Quota." For Vitamin Capsules To Be Used as a Dietary Supplement.

Claims use since June 11, 1951.

Ser. No. 617,180. Curt E. Abramowitz, Brooklyn, N. Y. Filed Aug. 1, 1951.

PYORRH-EX

For Medicinal Tooth Powder for the Treatment of Pyorrhea.

Claims use since Mar. 1, 1951.

Ser. No. 619,154. Borun Bros., Los Angeles, Calif. Filed Sept. 24, 1951.

ROXIE

For Dietary Supplement Consisting Principally of Vitamins and Minerals.

Claims use since Aug. 10, 1951.

Ser. No. 619,298. James P. Key, doing business under the name Key Pharmaceutical Company, Memphis, Tenn. Filed Sept. 27, 1951.

VAXITOL

For Preparation in Tablet Form Used in Hypertension. Claims use since June 1, 1951.

Ser. No. 621,433. Rudolph R. Widmann, Los Angeles, Calif. Filed Nov. 19, 1951.

TYRAL

For Tyrosine Compounds Used To Decrease the Circulation of Blood and Lymph in Vascular and Allergic Disorders.

Claims use since Mar. 8, 1950.

Ser. No. 621,824. Heyden Chemical Corporation, New York, N. Y. Filed Nov. 29, 1951.

HEYDICILLIN

For Penicillin Preparation Either Associated With a Medium for Parenteral Injection or Suitable for Association With a Medium for Parenteral Injection.

Claims use since on or about July 28, 1950.

Ser. No. 622,027. Pharmacia Laboratories Inc., New York, N. Y. Filed Dec. 3, 1951.

PHARMADEX

For Injection and Infusion Solutions Containing Partially Hydrolyzed Dextran and Used as a Plasma Substitute. Claims use since Nov. 21, 1951.

Ser. No. 622,274. Nopco Chemical Company, Harrison, N. J. Filed Dec. 8, 1951.



Applicant claims ownership of Registrations Nos. 563,042, 554,718, and others.

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.

Claims use since May 15, 1950.

Ser. No. 622,710. Farbwerke Hoechst, vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hoechst, Germany. Filed Dec. 20, 1951.

AMINOX

Applicant claims ownership of German Registration No. 608,767, dated July 5, 1951.

For Pae (Para-Aminosalicylic Acid), Its Salts and Its Derivatives for the Treatment of Tuberculosis.

Ser. No. 622,752. Martini & Rossi Corporation, New York, N. Y. Filed Dec. 21, 1951. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 114,260, 185,413, and others.

For Medicinal Bitters.

Claims use since May 24, 1905.

Ser. No. 623,000. Merck & Co., Inc., Rahway, N. J. Filed Dec. 29, 1951.

RIBOFLOUR

For Vitamin Supplements for Addition to Animal and Poultry Feed.

Claims use since Nov. 15, 1951.

Ser. No. 624,506. The Silicote Corporation, Oshkosh, Wis. Filed Feb. 4, 1952.



For Medicinal Salves.

Claims use since Mar. 8, 1950.

Ser. No. 625,382. Abbott Laboratories, North Chicago, Ill. Filed Feb. 23, 1952.

SELEEN

For Selenium Sulfide Preparations for the Treatment of Non-Specific Dermatoses in Veterinary Practice.

Claims use since Jan. 23, 1952.

Ser. No. 626,302. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Mar. 12, 1952.

Bristobiotic

For Antibiotic Derivative in Tablet Form for Combating Organisms Responsible for Infectious Disease Processes. Claims use since Dec. 27, 1951.

Ser. No. 626,304. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Mar. 12, 1952.

Diaramide

For Penicillin Derivative in Powder Form for Combating Organisms Responsible for Infectious Disease Processes. Claims use since Dec. 27, 1951.

Ser. No. 626,305. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Mar. 12, 1952.

Fidecillin

For Penicillin Derivative in Tablet Form for Combating Organisms Responsible for Infectious Disease Processes. Claims use since Dec. 27, 1951.

Ser. No. 626,307. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Mar. 12, 1952.

Panbiotic

For Antibiotic Derivative in Liquid Form for Combating Organisms Responsible for Infectious Disease Processes. Claims use since Dec. 27, 1951.

Ser. No. 626,366. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Mar. 13, 1952.

Dibiotyl

For Antibiotic Combination in Tablet Form for Combating Organisms Responsible for Infectious Disease Processes. Claims use since Dec. 27, 1951.

Ser. No. 627,280. Robert R. Schallenberger, doing business as Schallenberger & Co., San Francisco, Calif. Filed Mar. 20, 1952.

CAL-AMBAR

For Pharmaceutical Preparation Used as a Central Nervous System Stimulant for the Treatment of Mild Depressions and Obesity.

Claims use since Mar. 21, 1952.

Ser. No. 627,558. N. E. Dacus, doing business under the name The Copa Company, Portageville, Mo. Filed Apr. 4, 1952.

Cops

For Analgesic and Sedative Tablets as an Aid in the Relief of Headaches, Nausea, Upset Stomach, Bleariness Due to Over Indulgence in Alcoholic Beverages. Claims use since Mar. 3, 1952.

Ser. No. 628,787. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia. Filed Apr. 26, 1952.

CATIONEX

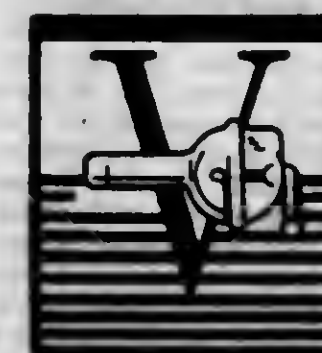
For Sodium-Ion-Removing Preparation for Use in Connection With Hypertension. Claims use since Apr. 19, 1952.

Ser. No. 628,788. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia. Filed Apr. 26, 1952.

PENTID

For Preparation for Treatment of and Prophylaxis Against Infections Due to Penicillin-Susceptible Organisms. Claims use since Feb. 18, 1952.

Ser. No. 629,341. Asthmanefrin Company, Incorporated, doing business under the assumed business name and style of Vaponefrin Company, Portland, Oreg., and Upper Darby, Pa. Filed May 8, 1952.



The mark consists of the letter "V," the nozzle and flask portions of a nebulizer of lesser dimensions positioned in front of the "V" substantially at its elbow, and horizontal

lines in the background, all inclosed in a line frame. The representation of the nozzle and tank portions of the nebulizer is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 528,337. For Solution Used in the Treatment of Asthma and Hay Fever.

Claims use since on or about Jan. 5, 1951.

Ser. No. 629,681. Mountain Laboratories, Inc., Warrenton, Va. Filed May 14, 1952.

BISMA-GREEN

No exclusive claim is made to the word "Green" apart from the mark as shown in the drawing.

For Preparation for the Treatment of Calf Scours. Claims use since Sept. 20, 1949.

Ser. No. 629,764. Band Products Corp., New York, N. Y. Filed May 16, 1952. (Sec. 2f.)

Montecatini

For Laxative Salt. Claims use since January 1922.

Ser. No. 630,022. The Purdue Frederick Company, New York, N. Y. Filed May 21, 1952.

COLPOTAB

For Therapeutic Vaginal Tablet for Use in Vaginal Disorders Such as Gonorrhea, Endocervicitis, Cervical Erosions, and After Certain Gynecological Operative Procedures.

Claims use since May 15, 1952.

Ser. No. 630,263. Eastern Research Laboratories, Inc., Baltimore, Md. Filed May 26, 1952.



No claim is made to the exclusive use of the words "Hygienic Powder" apart from the mark as shown in the drawing.

For Hygienic and Astringent Powder for Use Externally in General Body Hygiene, as a Tooth Powder, as a Cleanser for Dentures, as an Addition to the Bath, as a Dusting Powder To Soothe the Skin and To Overcome Offensive Body and Perspiration Odors; for Admixture With a Vehicle To Provide an Ointment for the Treatment of Sunburn and Other Skin Irritations; and for Admixture With Water To Form a Mild, Alkaline, Aromatic, Detergent Solution for Use in Mucous Membrane Therapy, as a Mouth Wash, as a Gargle, as a Solution for the Treatment of Oily Hair, for Alleviating the Discomfort of Stings and Bites of Insects, for the Treatment of Tired and Tender Feet, for Minor Throat Irritations, for the Preparation of a Rectal Enema Solution, and for the Preparation of a Douche or Sanitary Wash.

Claims use since Apr. 29, 1931.

Ser. No. 631,437. Pharmaceuticals, Inc., Newark, N. J. Filed June 19, 1952.

TABULET

For Geriatric Dietary Supplement. Claims use since May 21, 1952.

Ser. No. 632,636. Travenol Laboratories, Inc., Morton Grove, Ill. Filed July 16, 1952.

Piromen

Applicant claims ownership of Registration No. 505,234. For Injectable Pyrogen. Claims use since Sept. 11, 1947.

Ser. No. 633,318. Nutrition Research Laboratories, Inc., Chicago, Ill. Filed July 31, 1952.

PAMAMIN

For Pharmaceutical in Tablet Form for Reduction of Appetite in Treatment of Obesity. Claims use since June 2, 1952.

Ser. No. 633,319. Nutrition Research Laboratories, Inc., Chicago, Ill. Filed July 31, 1952.

PAMBROMAL

For Pharmaceutical in Tablet Form To Prevent the Retention of Fluid for the Relief and Control of Premenstrual Tension and Dysmenorrhea. Claims use since June 2, 1952.

Ser. No. 633,433. Schieffelin & Co., New York, N. Y. Filed Aug. 2, 1952.

RESULIN

For Product, in Lotion and Ointment Form, for Treatment of Pimples and Oily Condition of Skin. Claims use since on or about Feb. 25, 1952.

Ser. No. 633,434. Schieffelin & Co., New York, N. Y. Filed Aug. 2, 1952.

RESORCITATE

For Product, in Lotion Form, for Treatment of Scalp and Skin. Claims use since on or about Jan. 28, 1952.

Ser. No. 633,661. Collin Pharmacal Co., Inc., Long Island City, N. Y. Filed Aug. 9, 1952.

MULTITINIC

For Medicinal Preparation in Tablet Form Providing Hematinic Factors in Synergistic Combination. Claims use since April 1952.

Ser. No. 633,663. Collin Pharmacal Co., Inc., Jersey City, N. J. Filed Aug. 9, 1952.

Vasotropin

For Medicinal Preparation in Tablet Form for Providing Lipotropic and Oxytropic Factors in Synergistic Therapeutic Combination.

Claims use since April 1952.

Ser. No. 633,762. E. Fougere and Company, Inc., New York, N. Y. Filed Aug. 12, 1952.

EFOGEN

For Depot Estrogen Solution. Claims use since July 29, 1952.

Ser. No. 634,057. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Aug. 16, 1952.

SPANSULES

Applicant claims ownership of Registration No. 562,210. For Unit of Medication for Oral Administration Comprising Multiples of Specially Coated Globules, Each Containing an Increment of a Medicament, Comprising a Central Nervous Stimulant and Providing for the Gradual Release of the Medicament Over an Extended Period of Time.

Claims use since May 1, 1952.

Ser. No. 634,749. Parke, Davis & Company, Detroit, Mich. Filed Sept. 2, 1952.

NICONYL

For Preparation for the Treatment of Streptomycin Resistant Tuberculosis.

Claims use since July 17, 1952.

Ser. No. 634,751. Parke, Davis & Company, Detroit, Mich. Filed Sept. 2, 1952.

PANAFORM

For Preparation for the Treatment of Amoebic Dysentery.

Claims use since Aug. 13, 1952.

Ser. No. 634,814. The Upjohn Company, Kalamazoo, Mich. Filed Sept. 3, 1952.

Bithoxyl

For Medicinal Preparation To Be Used as a Local Anesthetic.

Claims use since June 13, 1952.

Ser. No. 634,815. The Upjohn Company, Kalamazoo, Mich. Filed Sept. 3, 1952.

Cortaba

For Medicinal Preparation for the Treatment of Collagen Diseases.

Claims use since June 13, 1952.

Ser. No. 634,816. The Upjohn Company, Kalamazoo, Mich. Filed Sept. 3, 1952.

Cortidine

For Medicinal Preparation for the Treatment of Endocrine and Metabolic Diseases.

Claims use since June 6, 1952.

Ser. No. 634,817. The Upjohn Company, Kalamazoo, Mich. Filed Sept. 3, 1952.

Cryptocaine

For Medicinal Preparation To Be Used as a Local Anesthetic.

Claims use since June 13, 1952.

Ser. No. 638,666. Schering Corporation, Bloomfield, N. J. Filed Nov. 26, 1952.

TERIDAX

For Gall Bladder X-Ray Diagnostic Medium. Claims use since Sept. 5, 1952.

Ser. No. 638,821. Vick Chemical Company, New York, N. Y. Filed Dec. 1, 1952.

CETAMIUM

Applicant claims ownership of Registration No. 374,913. For Cough Syrups, Lozenges, Medicated Antiseptic Lozenges, Gargles, Nose Drops, Medicinal Ointments, and a Germicidal Wetting Agent To Be Contained in Such Products.

Claims use since Aug. 15, 1939.

CLASS 19 VEHICLES

Ser. No. 627,422. Bendix Aviation Corporation, Detroit, Mich. Filed Apr. 2, 1952. (Sec. 2f.)



Applicant claims ownership of Registration No. 214,284. For Vehicle Brakes and Parts Thereof and Operating Connections Therefor; Vehicle Braking Systems Incorporating Power Brakes of the Differential Air Pressure Type, Brake Control Valves, Differential Air Pressure Cylinders, and Hydraulic Braking Units Incorporating Boosters or Assistors; Vehicle Steering Apparatus or Mechanisms; Vehicle Throttle Control Mechanisms and Parts Thereof; Master Cylinders for Use on Vehicles; Oil Reservoirs Used in Hydraulic Systems for Use on Vehicles; Shock Absorbers; Vehicle Wheels; and Vehicle Hubs.

Claims use since June 28, 1926.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 590,513. McGraw Electric Company, Chicago, Ill. Filed Jan. 7, 1950.



The words "Wired Radio Control" are disclaimed apart from the mark as shown.

For Motor Generators, Transmitters, and Receiver Control Units Used in Conjunction With Carrier Current Control Circuits for Operating Electrical Switching Mechanisms by Remote Control.

Claims use since Nov. 19, 1938.

Ser. No. 606,177. Signal Electric Manufacturing Co., Menominee, Mich. Filed Nov. 9, 1950.

SIGNAL

For Electrical Apparatus—Namely, Portable Electric Fans, Motor Speed Controls, Portable Electric Drills, and Drill Stands Therefor; Fractional Horse Power Motors, and Parts and Sub Assemblies Thereof—Namely, Rotors, Stators, Armatures, and Field Assemblies.

Claims use since September 1919.

Ser. No. 614,259. McGraw Electric Company, Chicago, Ill. Filed May 23, 1951. (Sec. 2f.)

Manning-Bowman

For Electrical Appliances Including: Corn Poppers, Waffle Bakers, Circulating Fans, Coffee Percolators, Table Broilers, Heating Pads for General Use, Food Mixers, Sandwich Grills, Toasters, and Chafing Dishes.

Claims use since October 1945.

Ser. No. 618,583. The Kent Company, Inc., Rome, N. Y. Filed Sept. 10, 1951. (Sec. 2f.)

KENT

For Commercial Electrically Operated Apparatus—Namely, Vacuum Cleaners, Floor Conditioning Machines, Electric Moppers, and Suction Furnace Cleaners, and Parts of Such Apparatus.

Claims use since January 1919.

Ser. No. 618,840. Cesco, San Francisco, Calif. Filed Sept. 15, 1951.

SAUSAGE TRAP

The word "Trap" is hereby disclaimed apart from the mark as shown on the drawing.

For Magnetic Separator for Conduits To Separate Magnetic Particles.

Claims use since Mar. 2, 1949.

Ser. No. 621,612. The Baker Castor Oil Company, Jersey City, N. J. Filed Nov. 24, 1951. (Sec. 2f.)

BAKERS

For Castor Oil, Which Is Used as a Dielectric in Electrical Equipment Especially Electrical Condensers.

Claims use since 1925.

Ser. No. 625,955. Wilmar Co., Inc., New York, N. Y. Filed Feb. 15, 1952. (Sec. 2f.)

TYNDALE

For Electric Lamps.

Claims use since January 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 619,477. D. Sebel and Company Limited, Erith, Kent, England. Filed Oct. 1, 1951.

MOBO

Applicant claims ownership of British Registration No. 699,350, dated June 27, 1951, and United States Registration No. 433,183.

For Perambulators and Push-Chairs, All Belong Toys.

Ser. No. 633,213. Pilot Plastics, Inc., Paterson, N. J. Filed July 29, 1952.

KAR-DOODLES

For Toy Construction Sets.

Claims use since June 23, 1952.

Ser. No. 633,460. McLaughlin-Millard, Inc., Dolgeville, N. Y. Filed Aug. 4, 1952.

BRAVE

For Bowling Pin.

Claims use since May 13, 1952.

Ser. No. 633,461. McLaughlin-Millard, Inc., Dolgeville, N. Y. Filed Aug. 4, 1952.

CHIEF

For Bowling Pin.

Claims use since May 13, 1952.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 532,932. Hi-Lo Equipment Company, Omaha, Nebr. Filed Aug. 30, 1947.

HI-LO

For Farm Machinery—Namely, Hydraulic Manure Loaders, Hydraulic Hay Stackers, Wagon Box Lifts, Hay Sweeps, Spiral Grain Loaders, Stalk Cutters, Tractor Hitches, Grain Blowers, and Corn Elevators.

Claims use since Apr. 1, 1946.

Ser. No. 546,704. Imperial Knife Company, Inc., Providence, R. I. Filed Jan. 10, 1948.

JEFFY-JACK-MASTER

Applicant claims ownership of Registration No. 370,200.

For Pocket Knives.

Claims use since 1937.

Ser. No. 579,294. Reed Roller Bit Company, Houston, Tex. Filed May 21, 1949.

HI-FLEX

For Screw Threads and Threaded Members, Such as Joints for Drill Pipe Carrying Drilling Bits and Core-Taking Equipment, Subs, Reducing Substitutes, Drill Collars, and Similar Threaded Coupling Elements on Equipment Used in Deep Well Drilling.

Claims use since May 1, 1949.

Ser. No. 593,529. Commercial Controls Corporation, Rochester, N. Y. Filed Mar. 7, 1950.

JUSTOWRITER

For Power Operated Typewriting Means Featuring an Attachment or Part Which Punches Into Code Tape Indications for Margin Justifications, and Final Copy Power Operated Typewriting Machines Featuring a Part or Attachment Which, in Response to the Code Punched Tape Inserted Into It, Makes Copy With Margins Justified Accordingly.

Claims use since October 1948.

Ser. No. 593,848. Minneapolis-Moline Company, Hopkins, Minn. Filed Mar. 9, 1950.

HUSKOR

Applicant claims ownership of Registrations Nos. 330,174 and 503,602.

For Corn Picking and Husking Machines.

Claims use since November 1934.

Ser. No. 594,036. Mead Specialties Company, Inc., Chicago, Ill. Filed Mar. 16, 1950.



For Pneumatically Actuated Clamps, Pneumatic Power Cylinders, Pneumatic Work Feeders, Designed To Push Work Pieces Into Position for Machining and To Hold Them During the Machining Operation, and Then To Eject the Finished Pieces, Air Vises, Air Presses, and Air Chucks.

Claims use since July 15, 1942.

Ser. No. 604,135. Kent-Moore Organization, Inc., Detroit, Mich. Filed Sept. 28, 1950.



The words "Carbon Blaster" are disclaimed per se apart from the mark as shown. No claim is made to the outline representation of the label shown on the drawing. The drawing is lined for the colors yellow or gold, pink, and blue.

For Fluid Pressure Operated Machine for Removing Carbon From the Interior of the Head and Adjacent Wall Surface of an Internal Combustion Engine Cylinder.

Claims use since July 7, 1950.

Ser. No. 607,754. The Goss Printing Press Company, Chicago, Ill. Filed Dec. 16, 1950.

Headliner

For Power Operated Printing Presses and Parts Thereof.

Claims use since Nov. 11, 1947.

Ser. No. 607,756. The Goss Printing Press Company, Chicago, Ill. Filed Dec. 16, 1950.

Universal

For Power Operated Printing Presses and Parts Thereof.

Claims use since Sept. 15, 1950.

Ser. No. 608,733. American Iron Works, Inc., East Grand Forks, Minn. Filed Jan. 13, 1951.

STRAWMASTER

For Attachments Adapted To Be Mounted Upon the Rear of Grain Combines and Powered Thereby To Disintegrate the Straw Discharged by the Combine Through a Rotary Cutting Action and to Thereafter Spread the Same, and Parts Thereof.

Claims use since Jan. 15, 1949.

Ser. No. 615,139. Silorators Limited, London, England. Filed June 13, 1951.

Silorator

Applicant claims ownership of British Registration No. 680,590, dated Feb. 21, 1950.

For Power-Actuated Agricultural Machinery—Namely, Rotary Beaters for Grass, Grain, Hay, Alfalfa, for Preparing the Same for Storage; Threshing Machines—Namely, Grain Threshers, Rice Threshers, Pea and Bean Threshers, Clover and Alfalfa Threshers, Peanut Threshers; Straw Stackers; Combination Harvester Threshers, Including Combines and Pick-Up Attachments; Silo Fillers; Baling Presses for Hay, Straw and Other Materials; Grain Binders; Corn Binders Including Tall Binders, Short Binders and Regular Binders.

Ser. No. 620,280. The Steel Products Engineering Company, Springfield, Ohio. Filed Oct. 10, 1951.

HYDRA-VATED

For Fuel Pump Units for Oil Burners.
Claims use since Aug. 24, 1951.

Ser. No. 620,511. Kingston Products Corporation, Kokomo, Ind. Filed Oct. 26, 1951. (Sec. 2f.)

KINGSTON

For Carburetors, Tractor Governors, and Lawn Mowers.
Claims use since 1903.

Ser. No. 623,496. The V. D. Anderson Company, Cleveland, Ohio. Filed Jan. 12, 1952.

Hi-eF

The lining on the drawing indicates the color red.
For Separators Having Vane Means for the Centrifugal Separation of Heavier From Lighter Components in Fluid Currents.

Claims use since September 1951.

Ser. No. 624,740. Lowell Specialty Company, also doing business under the name Lowell Manufacturing Company, Chicago, Ill. Filed Feb. 9, 1952.

ROTO-BLAST

The word "Blast" is disclaimed apart from the mark as shown in the drawing.

For Hand-Operated Compression Dusters for Pesticides and Weed Killers in Powdered Form.

Claims use since Dec. 13, 1946.

Ser. No. 628,752. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Apr. 26, 1952.

Fedway

For Carving Knives and Forks, Shears, Scissors, Nippers, Files, Can Openers, Spatulas, Rakes, Hoes, and Hand and Power Operated Lawn Mowers.

Claims use since Apr. 2, 1952.

Ser. No. 633,056. Hobbs Manufacturing Company, Worcester, Mass. Filed July 25, 1952.

Autotronic

For Dio Presses.

Claims use since Oct. 1, 1951.

Ser. No. 633,083. Showcard Machine Company, Chicago, Ill. Filed July 25, 1952.

Signmaster

For Sign Printing Machine.

Claims use since July 18, 1952.

Ser. No. 633,431. Reliance Merchandise Co. Inc., doing business under the style Relco, Chicago, Ill. Filed Aug. 2, 1952.

RELCO

For Pocket and Hunting Knives.

Claims use since on or about December 1950.

CLASS 25

LOCKS AND SAFES

Ser. No. 614,106. Sears, Roebuck and Co., Chicago, Ill. Filed May 19, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 331,328.
For Door Lock Sets, French Window Lock Sets, Wardrobe Locks, Drawer Locks, Chest Locks, Night Latches, Padlocks, Door Bolts, Window Spring Bolts, Door Latches, Thumb Latches, Chain Bolts, Foot Bolts, Dead Locks.

Claims use since on or about Oct. 26, 1934.

Ser. No. 631,592. Aircraft Armaments, Inc., Baltimore, Md. Filed June 23, 1952.



For Locking Latches and Buckles.
Claims use since Sept. 13, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 607,286. Graflex, Inc., Rochester, N. Y. Filed Dec. 5, 1950.

GRAFLEX

Applicant claims ownership of Registrations Nos. 57,888, 108,591, and others.

For Photographic Equipment, and/or Photographic Accessories, and/or Photographic Supplies—Namely, Photographic Cameras; Photographic Camera, Projector, and Enlarger Carrying Cases; Lens Boards; Holders for Sensitized Material—Namely, Plate Holders, Plate Magazines, Plate Septums, Film Pack Adapters, Cut Film Holders, Cut Film Magazines, Cut Film Septums, and Roll Film Holders; Focusing Panels—Namely, Ground Glass Screens, and Their Supporting Frames; Camera Shutters—Namely, Focal Plane Shutters and Between-the-Lens-Shutters; Detachable Camera Backs; Camera Supports—Namely, Camera Stands, Tripods, and Tripod Heads; Film; Screens and Picture Masks for Identification Units for Taking Pictures for Identification Purposes; Lenses—Namely, Photographic Objectives and Supplementary Lenses; View Finders; Filters; Sunshades; Flash Synchronizers; Photographic Lighting Equipment—Namely, Reflectors for Use With Photo-Flash Bulbs, Photo-Flash Side-Lighting Assemblies Sold as a Unit and Comprising Battery Cases, Extension Tubes, Battery Case Clamps, Battery Case Heads, Reflector Supports, Switches and Outlets, Flash Bulbs, Batteries, and Connecting Cords for Use With Photo-Flash Side-Lighting Equipment; Micro Film Assemblies—Namely, a Recording Camera, the Case Therefor, a Holder for Supporting the Case With the Camera Mounted Therein, Holders Attachable to the Case for Supporting Flood Lights, and the Mechanism for Actuating the Camera Triggering Means; Shutter Trippers—Namely, Solenoid Trippers, and Hand Operated Cable Type Remote Control Shutter Release Devices; Enlargers; Negative Identifiers—Namely, Tabs for Mounting in Septum and Plate Holders To Permit Photographing an Identifying Numeral or Other Indicia on a Negative To Identify the Picture Taken; Rangefinders; Detachable Focusing Light Beam Holders for Rangefinders; and Parts for Such Equipment, Accessories, and Supplies—Namely, Camera Racks, Camera Backs, Camera Bellows, Camera Fronts, Camera Beds, Camera Bed Guide, Camera Body Release Cables, Camera Handles, Camera Doors, Parallax Eye-Pieces, Camera Curtains, Open Frame Viewfinders for Cameras, Camera Knobs, Camera Bed Blocks, Camera Pinions, Camera Springs, Focusing Screens, Camera Plates, Camera Gears, Camera Levers, Camera Bodies, Camera Brackets, Photographic Slides, Fabric Hinges for Film Holders, Light-Proof Bags for Film Magazines, Film Magazine Fronts, Film Magazine Backs, Camera Peep-Sights, Calibrated Dials for Photographic Equipment, Scales for Photographic Equipment, Lens Caps for Photographic Equipment, and Arms for Coupled Rangefinders for Cameras.

Claims use since 1898.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 626,455. Gemex Company, Union, N. J. Filed Mar. 14, 1952. (Sec. 2f.)

GEM-MESH

Applicant claims ownership of Registration No. 524,018.
For Bracelets and Watch Bracelets and Watch Straps.
Claims use since Feb. 17, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 632,360. Gerts Lumbard & Co., Chicago, Ill. Filed July 10, 1952.

BRI-LOZ

For Paint Brushes.

Claims use since May 29, 1952.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 629,131. Stetson China Co. Inc., Lincoln, Ill. Filed May 2, 1952.



The phrase "Lady Marlou" is fanciful. The surname "Marlowe" is disclaimed except in connection with the rest of the mark as herein shown.

For Dinnerware—Namely, Dishes, Plates, Cups, and Saucers Made of Earthenware.

Claims use since March 1952.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 557,943. Million-Guilet-Tubauto, Levallois-Perret, France. Filed Oct. 14, 1949.

TUBAUTO

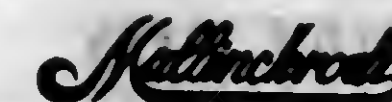
Applicant claims ownership of French Registration No. 321,374, dated June 8, 1938.

For Rocking Chairs, Arm-Chairs, Bathroom Chairs, Easy-Chairs, Upholstered Chairs, Chairs With Caned Seats, High-Back Chairs, Couches, Beds, Cupboards, Wardrobes, Tubular Metal Chairs and Tables; Garden Chairs and Tables; Office Chairs, Office Tables, Book-Cases, Book-Shelves, Revolving Book-Cases, Coffee-House and Bar Chairs and Tables, Camping Chairs, Camping Tables, Camping Beds.

CLASS 33

GLASSWARE

Ser. No. 601,328. Mallinckrodt Chemical Works, St. Louis, Mo. Filed July 27, 1950. (Sec. 2f.)



Applicant claims ownership of Registration No. 359,706.
For Glass Bottles.
Claims use since Sept. 25, 1937.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND
NONMETALLIC TIRES

Ser. No. 621,337. Sealed Power Corporation, Mlakegon Heights, Mich. Filed Nov. 16, 1951.

GI-60

For Piston Ring Groove Inserts.
Claims use since January 1946.

Ser. No. 626,668. The General Tire & Rubber Co., Akron, Ohio. Filed Mar. 19, 1952.

WHITEWAY

For Pneumatic Tires.
Claims use since Nov. 27, 1951.

Ser. No. 632,634. Stratoflex, Inc., Fort Worth, Tex. Filed July 16, 1952.

STRATOFLEX

For Rubber Hose Reinforced With Fabric or Metal and Fabric and Hose Assemblies Comprising Lengths of Rubber Hose Reinforced With Fabric or Metal and Fabric and Having Couplings or Fittings Attached Thereto.
Claims use since May 1, 1952.

Ser. No. 635,889. United States Rubber Company, New York, N. Y. Filed Sept. 27, 1952.

LIFE WALL

No claim is made to the word "Wall" apart from the mark shown.
For Inner Tubes Made of Rubber and Fabric.
Claims use since Sept. 7, 1952.

Ser. No. 637,842. Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filed Nov. 8, 1952.

Mobilflex

Applicant claims ownership of Registration No. 427,696. For Wire Reinforced Rubber Hose Used for Connections in Cooling Systems of Internal Combustion Engines.
Claims use since Oct. 22, 1952.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 557,204. Ladia H. Ottosy, doing business as Talking Devices Company, Chicago, Ill. Filed May 17, 1948. (Sec. 2f.)

TALKIE TAPES

The word "Tapes" is disclaimed apart from the mark as shown.
For Grooved, Recorded, Plastic Phonographic Tapes (Not Magnetic) for Use With Talking Machines.
Claims use since July 1, 1932.

Ser. No. 557,979. Leon Leblanc, Paris, France, assignor to G. Le Blanc Company, Kenosha, Wis., a partnership composed of Leon Le Blanc and Vito Posucchi. Filed Apr. 9, 1948.



Priority under Sec. 44(d). French application filed Mar. 9, 1948. Registration No. 428,188, dated Mar. 9, 1948. For Wind Instruments—Namely, Clarinets, Flutes, Oboes, English Horns, Bassoons, Piccolos, Saxophones, and Fifes.

Ser. No. 589,221. R. H. Macy & Co., Inc., New York, N. Y. Filed Dec. 12, 1949.

Pennington

For Pianos.
Claims use since Apr. 18, 1922.

Ser. No. 604,335. C. Schons Fabriker A/S, Copenhagen, Denmark. Filed Aug. 18, 1950.

TONO

Applicant claims ownership of Danish Registration No. 433/1937, dated May 8, 1937.
For Grooved Phonograph Records and Non-Electrical and Non-Magnetized Recording Wire and Recording Tape, and Gramophones and Gramophone Needles.

Ser. No. 624,955. Wm. Kratt Co., Union, N. J. Filed Feb. 14, 1952.

HIT-PARADE

For Musical Instruments—Namely, Harmonicas.
Claims use since June 14, 1948.

Ser. No. 629,556. Pacific Union Conference of Seventh-Day Adventists, doing business as Chapel Records, Glendale, Calif. Filed May 12, 1952.



For Mechanically Grooved Phonograph Records.
Claims use since May 28, 1948.

Ser. No. 631,058. Linton Mfg. Co., Inc., Elkhart, Ind. Filed June 11, 1952. (Sec. 2f as to "Linton.")

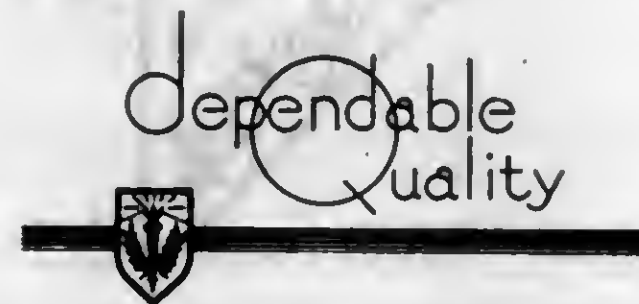


For Woodwind Musical Instruments Including Clarinets, Oboes, Bassoons, Flutes, Piccolos, Saxophones, and Parts Thereof.
Claims use since Jan. 20, 1951 on the mark as shown; and since Apr. 19, 1942 on the word "Linton."

CLASS 37

PAPER AND STATIONERY

Ser. No. 528,320. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 29, 1948. (Sec. 2f.)



No claim is made to the word "Quality" apart from the mark as shown.
For Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded, and Note Book Fillers.
Claims use since 1932.

Ser. No. 610,423. A. B. Dick Company, Niles, Ill. Filed Feb. 23, 1951.



Applicant claims ownership of Registrations Nos. 547,242, 547,243, 547,954, 556,639, and 550,779.

For Lettering Guides and for Materials Used in Lithographic Printing—Namely, Paper Lithographic Master Sheets, Crayons, Pencils, Erasers, Masking Paper, and Adapters in the Form of Sheets of Paper Gummed on One Side for Converting a Paper Lithographic Plate From One Type of Mounting to Another and Reinforcement Sheets for Lithographic Plates in the Form of Sheets of Paper Gummed on One Side.
Claims use since Oct. 27, 1950.

Ser. No. 614,444. Kent H. Landsberg, doing business under the name of Kent H. Landsberg Company, Los Angeles, Calif. Filed May 28, 1951.



For Paper Board, Butcher Paper, Corrugated Paper Rolls, Paper for Frozen Food Packaging, Greaseproof and Glassine Papers, Paper Tape, Paper Used as Liners, Wrapping Paper, Shredded Paper, Tissue Paper, Waterproof Paper, Waxed Paper, Partially Printed Paper Tags and Tickets, Paper Adding Machine Rolls, Duplicate Paper, Mimeograph Paper, Bond Paper, Correspondence Envelopes, Second Sheets of Manifold Form, Toilet Paper, Paper Towels and Napkins, Paper Sheet Bands and Boards, and Correspondence Stationery Sheets.
Claims use since Jan. 1, 1948.

Ser. No. 620,200. Charles Dowd Box Co., Inc., Worcester, Mass. Filed Oct. 19, 1951.



"Charles Dowd" is the name of a deceased individual. No claim is made to the words "Box Co. Inc.," "Worcester, Mass.," and "Wrap" apart from the mark shown in the drawing.

For Flexible Multiple Layer Wrapping Sheet Including a Corrugated Paper Sheet Having a Smooth Paper Sheet Secured to One or Both Faces Thereof, Used for Protecting Furniture or Other Products in Shipment or the Like.
Claims use since Oct. 2, 1951.

Ser. No. 622,031. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 3, 1951.

Ann Barton

The name "Ann Barton" is not the name of any known individual.
For Cleansing Tissues and Toilet Tissue.
Claims use since July 15, 1949.

Ser. No. 622,783. A. J. Cummings Co., Clinton, Iowa. Filed Dec. 24, 1951.

A Living Bouquet

For Blank or Partially Printed Certificates, Representing a Gift to Charity in Memory of a Deceased Person.
Claims use since on or about Dec. 1, 1951.

Ser. No. 622,784. A. J. Cummings Co., Clinton, Iowa. Filed Dec. 24, 1951.

White Feather

For Blank or Partially Printed Certificates, Representing a Gift to Charity in Memory of a Deceased Person.
Claims use since on or about Dec. 1, 1951.

Ser. No. 626,800. Mallard Pencil Co. Inc., Georgetown, Ky. Filed Mar. 21, 1952.



For Wood Cased Lead Pencils.
Claims use since Feb. 27, 1952.

Ser. No. 626,801. Mallard Pencil Co. Inc., Georgetown, Ky. Filed Mar. 21, 1952.



For Wood Cased Lead Pencils.
Claims use since Feb. 27, 1952.

Ser. No. 626,802. Mallard Pencil Co. Inc., Georgetown, Ky. Filed Mar. 21, 1952.



For Wood Cased Lead Pencils.
Claims use since Feb. 27, 1952.

Ser. No. 626,803. Mallard Pencil Co. Inc., Georgetown, Ky. Filed Mar. 21, 1952.



For Wood Cased Lead Pencils.
Claims use since Feb. 27, 1952.

Ser. No. 626,804. Mallard Pencil Co., Inc., Georgetown, Ky. Filed Mar. 21, 1952.



For Wood Cased Lead Pencils.
Claims use since Feb. 27, 1952.

Ser. No. 626,805. Mallard Pencil Co. Inc., Georgetown, Ky. Filed Mar. 21, 1952.



For Wood Cased Lead Pencils.
Claims use since Feb. 27, 1952.

Ser. No. 628,772. The May Department Stores Company, doing business under the name of Kaufmann Department Stores, St. Louis, Mo., and Pittsburgh, Pa. Filed Apr. 26, 1952.

Cloud Soft

The word "Soft" is disclaimed apart from the mark as shown in the drawing.

For Facial Tissue and Toilet Tissue.
Claims use since Mar. 13, 1952.

Ser. No. 629,020. International Cellucotton Products Company, Chicago, Ill. Filed May 1, 1952. (Sec. 2f.)

BERKELEY

Applicant claims ownership of Registrations Nos. 339,851 and 302,507.

For All-Purpose Absorbent Paper Tissues.
Claims use since Oct. 8, 1950.

Ser. No. 629,022. International Cellucotton Products Company, Chicago, Ill. Filed May 1, 1952. (Sec. 2f.)

CLARIDGE

Applicant claims ownership of Registration No. 337,197.
For All-Purpose Absorbent Paper Tissues.
Claims use since Feb. 11, 1955.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 601,748. Pocket Books, Inc., New York, N. Y. Filed Aug. 4, 1950.



Applicant makes no claim in this application for registration of the representation of a book and of "Pocket Book, Jr." apart from the remainder of the mark as shown in the drawing. Applicant claims ownership of Registrations Nos. 376,601, 388,686, and others.

For Books.
Claims use since December 1949.

Ser. No. 616,511. Renée of Hollywood, Los Angeles, Calif. Filed July 14, 1951.

Bradrobe

For Booklet Explaining the Selection of Brassières.
Claims use since June 19, 1951.

Ser. No. 617,289. General Research and Supply Co., Grand Rapids, Mich. Filed Aug. 3, 1951. CERTIFICATION MARK.

Scigravure

For Prints—Namely, Labels, Posters, Decalcomanias, and Signs, All Produced by Silk Screen Processing.
Claims use since Apr. 1, 1951.

Ser. No. 620,059. Weekly Publications, Inc., New York, N. Y. Filed Oct. 16, 1951.

BUSINESS TIDES

For Department or Section of a Periodical Publication.
Claims use since Oct. 10, 1938.

Ser. No. 621,333. Rand McNally & Company, Chicago, Ill. Filed Nov. 16, 1951.

KON-TIKI

For Periodically Appearing Column in a House Organ.
Claims use since Aug. 18, 1950.

Ser. No. 628,905. Approved Comics, Inc., New York, N. Y. Filed Apr. 30, 1952.

**CRUSADER
from MARS**

For Magazines.
Claims use since Jan. 14, 1952.

Ser. No. 628,911. Approved Comics, Inc., New York, N. Y. Filed Apr. 30, 1952.

**WEIRD
Thrillers**

For Magazines.
Claims use since July 20, 1951.

Ser. No. 629,055. The Reader's Digest Association, Inc., Pleasantville, N. Y. Filed May 1, 1952.

Life in These United States

The words "United States" are disclaimed except as used in the combination of words "Life in These United States."

For Feature Articles in a Periodical.
Claims use since March 1943.

Ser. No. 630,339. National Association of Evangelicals, Chicago, Ill. Filed May 27, 1952.

NAE

For Bi-Monthly Religious Magazines.
Claims use since May 15, 1942.

Ser. No. 630,936. Jaynard Publishing Co., Inc., Green Bay, Wis. Filed June 9, 1952.

**Howdy
Neighbor-**

For Booklets Giving General Information in the Nature of a City Directory.
Claims use since July 1, 1951.

Ser. No. 631,204. Joseph A. Dalton, Manson, Iowa. Filed June 14, 1952.

FARMINTAX

For Wall Calendars.
Claims use since Jan. 8, 1951.

Ser. No. 633,161. McGraw-Hill Publishing Company, Inc., New York, N. Y. Filed July 28, 1952. (Sec. 2f.)

**AVIATION
WEEK**

For Magazine Published Weekly.
Claims use since July 7, 1947.

667 O. O.—35

Francis—The Talking Mule

For Comic Drawings Published in Daily and Sunday Newspapers.
Claims use since June 21, 1952.

CLASS 39 CLOTHING

Ser. No. 611,553. A/8 Figfort, Figurkomfort Korsett-fabrik, Oslo, Norway. Filed Mar. 20, 1951.



Figfort

Applicant claims ownership of Norwegian Registration No. 37,916, dated Apr. 21, 1950.
For Corsets, Girdles, and Brassières.

Ser. No. 617,200. Katsman & Ware, Inc., Chicago, Ill. Filed Aug. 1, 1951.



The drawing is filed for the color black.
For Women's Fur Apparel—Namely, Coats, Jackets, Capes, and Scarves Manufactured From Mink Pelts.
Claims use since Jan. 29, 1951.

Ser. No. 618,278. Allied Knitting Mills, New York, N. Y. Filed Aug. 31, 1951.

Mister Slim

For Men's and Boys' Neckties, Sport Shirts, Basque Shirts.
Claims use since May 1951.

Ser. No. 628,123. Rand Rubber Company, Inc., Brooklyn, N. Y. Filed Apr. 15, 1952.



The portrait of the child is fanciful. Applicant claims ownership of Registrations Nos. 172,112 and 95,848. For Baby Pants. Claims use since Nov. 1, 1921.

Ser. No. 628,433. Sherman Bros. Shoe Mfg. Corp., Lowell, Mass. Filed Apr. 21, 1952.



The representation of the boy and girl is fanciful. The applicant disclaims the wording "Kiddle Korrectives" apart from the mark. For Infants' and Children's Shoes, Sandals, and Slippers. Claims use since Mar. 20, 1952.

Ser. No. 628,682. Edison Textiles, Inc., Edison, Ga. Filed Apr. 25, 1952.



For Girls' and Misses' Panties, Slips, Gowns, Pajamas, Negligees, and Robes. Claims use since Oct. 16, 1951.

Ser. No. 628,698. Lerner House Co., Philadelphia, Pa. Filed Apr. 25, 1952.

Lern-Craft

For Ladies' Blouses, Shirtwaists, and Waists. Claims use since Apr. 22, 1951.

Ser. No. 628,878. Robbins Textiles, Inc., High Point, N. C. Filed Apr. 29, 1952.

Outlook

For Clothing for Men, Women, Boys, and Girls—Name-ly, Hosiery, T Shirts, Underwear, Sport Shirts, Dress Shirts, Dungarees, Cardigans, and Sweat Shirts. Claims use since Mar. 28, 1952.

Ser. No. 629,084. Bacon-Scott Co., Inc., New York, N. Y. Filed May 2, 1952.

Top Drawer

For Hosiery for Women and Girls. Claims use since Mar. 14, 1951.

Ser. No. 630,695. Ballantyne of Peebles, Inc., New York, N. Y. Filed June 4, 1952.

Ballantyne INTARSIA

No claim is made to the word "Ballantyne" except in connection with the mark as shown. Applicant claims ownership of Registrations Nos. 516,660 and 516,661. For Men's, Women's, Boys', and Girls' Sweaters. Claims use since Sept. 1, 1950.

Ser. No. 631,670. Nalpak Knitting Mills, Inc., Brooklyn, N. Y. Filed June 24, 1952.

PRINCESS GAIL

For Misses', Ladies', Boys', and Men's Sweaters, of Woolen and/or Nylon Yarns and Mixtures Thereof. Claims use since Feb. 11, 1952.

Ser. No. 632,444. Maxwell Sachs, doing business under the name of Spring-O-Lator Mfg. Co., Boston, Mass. Filed July 11, 1952.

SPRING-O-LATORS

For Sock-Linings. Claims use since July 2, 1952.

Ser. No. 632,566. Juliana Lingerie, Inc., New York, N. Y. Filed July 15, 1952.

Lady Beatrix

The words "Lady Beatrix" are fanciful. For Ladies' and Misses' Nightgowns, Petticoats, Slips, Housecoats, Bedroom Jackets, and Negligees. Claims use since June 10, 1952.

Ser. No. 633,256. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Filed July 30, 1952.

KISMET

For Ladies' Hosiery. Claims use since July 16, 1952.

Ser. No. 633,326. Phoenix Hosiery Company, Milwaukee, Wis. Filed July 31, 1952.

COLOR

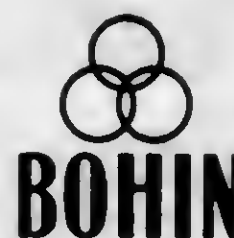
BOX

For Women's Hosiery. Claims use since Feb. 12, 1952.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 601,259. Etablissements Bohin, Societe Anonyme, Paris, France. Filed July 26, 1950. (Sec. 2f.)



Applicant claims ownership of French Registration No. 320,357, dated Apr. 6, 1938. For Hand Sewing Needles. Claims use since as early as Apr. 6, 1938.

Ser. No. 621,372. Needle Industries Limited, Birmingham, England. Filed Nov. 17, 1951. (Sec. 2f as to "Milwards.")



The exclusive use of the word "Needles" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 55,243 and 540,425.

For Needles for Hand Sewing. Claims use since Jan. 3, 1940, as to "Milwards" and since Oct. 4, 1949, as to the mark shown, in Great Britain; and since Jan. 5, 1943, as to "Milwards" and since Jan. 3, 1950, as to the mark shown, in commerce between Great Britain and the United States.

Ser. No. 625,344. Cromac Company, New York and Staten Island, N. Y. Filed Feb. 21, 1952.

CROMAC
Sew Easy

Applicant disclaims the words "Sew Easy" apart from the mark as shown in the drawing. For Sewing Kits, Consisting of Thread, Scissors, and Needles for Hand Sewing. Claims use since Feb. 14, 1952.

Ser. No. 632,659. Cleveland Mills Co., Lawndale, N. C. Filed July 17, 1952.

MIKE

Applicant claims ownership of Registration No. 405,946. For Shoe Laces. Claims use since on or about Mar. 1, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 604,973. James Lees and Sons Company, Bridgeport, Pa. Filed Oct. 16, 1950. (Sec. 2f as to the word "Lees.")

THOSE HEAVENLY CARPETS BY LEES

No claim is made to the word "Carpets" apart from the mark as shown. Applicant claims ownership of Registration No. 501,717.

For All Wool, All Cotton, All Acetate Rayon, and/or Acetate Rayon and Nylon Combined Carpets. Claims use since Feb. 14, 1948, for the entire mark; and since Jan. 1, 1945, for the word "Lees."

Ser. No. 624,232. Hafner Fabrics Corporation, New York, N. Y. Filed Jan. 29, 1952.

Taflassé

For Textile Fabrics in the Piece Made of Cotton, Wool, Silk, Synthetic Fibers, and Mixtures Thereof. Claims use since Jan. 9, 1952.

Ser. No. 624,471. Deering, Milliken & Co., Inc., New York, N. Y. Filed Feb. 4, 1952.

ABBEY

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof. Claims use since Oct. 24, 1951.

Ser. No. 625,108. Knightsbridge Mills, Inc., Lawrence, Mass. Filed Feb. 18, 1952.

KABILIZED

For Knitted Textile Fabrics in the Piece Composed of Cotton, Synthetic Fibers, and Mixtures of the Same.
Claims use since Jan. 2, 1952.

Ser. No. 629,932. Callaway Mills Company, La Grange, Ga. Filed May 20, 1952.

RAYPOINT

For Textile Carpets and Rugs.
Claims use since Jan. 2, 1952.

Ser. No. 634,592. The W. A. Handley Manufacturing Company, Roanoke, Ala. Filed Aug. 28, 1952.

SAN JUAN

For Cotton Duck.
Claims use since Sept. 20, 1910.

Ser. No. 636,118. Dan River Mills, Incorporated, Danville, Va. Filed Oct. 3, 1952.

LIGHT TOUCH

For Textile Fabrics in the Piece of Cotton, Rayon, Acetate, and Other Synthetic Fibers.
Claims use since Sept. 10, 1952.

CLASS 43

THREAD AND YARN

Ser. No. 633,971. John Drita & Sons, New York, N. Y. Filed Aug. 15, 1952.

HEATHERMIST

For Corde Yarn.
Claims use since July 21, 1952.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 622,881. Chequott Club Company, Millis, Mass. Filed Dec. 27, 1951.



The figure shown in the drawing is fanciful. No claim is made to the representation of the container, excepting as

shown with other features of the mark. Applicant claims ownership of Registrations Nos. 19,634, 36,450, and others.
For Maltless Soft Drinks and Carbonated Waters.
Claims use since Nov. 25, 1951.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 582,768. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Aug. 4, 1948. (Sec. 2f.)

Mrs. Lane's

Applicant claims ownership of Registration No. 343,418.
For Canned Foods—Namely, Fruits, Vegetables, Salmon, Soups, Pork and Beans, Orange Juice, Vegetable Juices, Tomato Puree, Evaporated Milk, Fresh Milk, Fresh Cream, Butter, Cheese, Fruit Preserves, Jams, Jellies, Molasses, Table Syrup, Honey, Table Salt, Tomato Catsup, Chili Sauce, Prepared Mustard, Mushrooms, Salad Dressings, Sandwich Spread, Pickles, Olives, Pickle Relish, Celery Salt, Garlic Salt, Onion Salt, Vinegar, Food Flavoring Extracts, Maraschino Cherries, Dried and Evaporated Fruits, Minced Meat, Shredded Coconut, Sugar, Tea, Coffee, Cocoa, Breakfast Cereals, Wheat Flour, Pie Crust Mix, Bread, Spaghetti, Egg Noodles, Macaroni, Olive Oil, Dry Soup Mix, Dried Beans; Fresh Vegetables and Fruits; Frozen Foods—Namely, Berries, Orange Juice, Vegetables, Shrimp, and Poultry; and Canned Dog Food.
Claims use since Nov. 1, 1935.

Ser. No. 587,077. Exeter Orchards Association, Exeter, Calif. Filed Oct. 31, 1949.

SKYMASTER

For Fresh Citrus Fruits.
Claims use since Jan. 15, 1948.

Ser. No. 606,502. The Winter Garden Company, Inc., Knoxville, Tenn. Filed Nov. 16, 1950. (Sec. 2f.)



For Frozen Berries, Frozen Fruits, and Canned Berries.
Claims use since 1941.

Ser. No. 617,979. The Borden Company, New York, N. Y. Filed Aug. 23, 1951. (Sec. 2f.)

Borden's

For Biscuits.
Claims use since Sept. 27, 1949.

Ser. No. 619,968. Alice J. Grossniklaus, doing business as Alpa Cheese Company and as Alpine-Alpa Cheese, Willmot, Ohio. Filed Oct. 13, 1951.

Alpine - Alpa

The word "Alpine" is disclaimed. Applicant claims ownership of Registration No. 521,292.
For Pasteurized and Unpasteurized Cheese.
Claims use since Dec. 16, 1948.

Ser. No. 621,010. Pietro Giambanco, doing business as Giambanco Wine Vinegar Plant and as Giambanco Packing Co., Oakland, Calif. Filed Nov. 8, 1951.

Pee-Gee

For Canned Vegetables, Vinegar, Peperoncini, Peppers, Pickled Tomatoes, and Chili Sauce.
Claims use since 1939.

Ser. No. 623,050. The Grissol Bread Specialties, Ltd., Montreal, Quebec, Canada. Filed Jan. 2, 1952.

GRISSOL

Applicant claims ownership of Canadian Registration No. 15,488, dated Mar. 20, 1941.
For Bakery Products—To Wit, Breadsticks and Bread-crumbs.

Ser. No. 626,313. E. F. Drew & Co., Inc., New York, N. Y. Filed Mar. 12, 1952.

ROYAL DUCHESS

For Oleomargarine.
Claims use since Feb. 12, 1952.

Ser. No. 626,637. Pabst Brewing Company, Chicago, Ill. Filed Mar. 18, 1952. (Sec. 2f as to "Pabst.")

BIO-PABST

Applicant claims ownership of Registrations Nos. 178,789, 180,636, and others.
For Mixture of Dried Bacitracin Broth and Soya Bean Flour or Ground Malt Sprouts for Use as an Ingredient in Animal Feeds.
Claims use since Feb. 13, 1952, as to the mark shown; and since in June 1889 as to the mark "Pabst."

Ser. No. 627,890. The U. & J. Lenson Corp., Brooklyn, N. Y. Filed Apr. 10, 1952.

BROWN DERBY

For Coffee.
Claims use since Aug. 11, 1942.

Ser. No. 628,010. Burrus Mills, Incorporated, Dallas, Tex., also doing business under the name and style of Burrus Feed Mills, Fort Worth, Tex. Filed Apr. 24, 1952. CONCURRENT USE with Registration No. 414,331, for the area comprising the States of Alabama, Arizona, Arkansas, Florida, Georgia, Louisiana, Mississippi, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Puerto Rico, and the Virgin Islands.



For Feeds Composed Principally of Grains for Poultry, Cattle, Hogs, Cows, and Horses.
Claims use since 1929.

Ser. No. 628,801. Whitney & Company, Seattle, Wash. Filed Apr. 26, 1952. (Sec. 2f.)

Whitney's

For Canned Salmon.
Claims use since 1932.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 557,523. William Grant & Sons Limited, Glasgow, Olenfiddich, Dufftown, Scotland. Filed May 21, 1948. (Sec. 2f.)

Grant's

BEST PROCURABLE



No claim is made to the words "Best Procurable" apart from the mark as shown. Applicant claims ownership of United States Registrations Nos. 177,462, 177,467, and 346,426.

For Scotch Whisky.
Claims use since 1903 in Great Britain; and first used in commerce between Great Britain and the United States in July 1906.

Ser. No. 398,920. Joseph E. Seagram & Sons, Inc., New York, N. Y. Filed June 10, 1930.



Applicant claims ownership of Registrations Nos. 315,023, 315,024, 315,137, and others.

For Alcoholic Beverages—Namely, Whiskey.

Claims use since June 1949 as to the mark shown; and since Feb. 9, 1934, as to the mark "Seagram's Seven 7 Crown."

Ser. No. 616,716. Les Heritiers de Marie Brizard & Roger, Achard, Glatin & Cie, Bordeaux, France. Filed July 20, 1931.



The name "Marie Brizard" is that of the founder of applicant's business, now deceased. All wording except the name "Marie Brizard" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 541,931 and 544,215.

For Liqueurs.

Claims use since March 1766 in France; and since September 1766 in commerce between France and the American Colonies; and since 1800 in commerce between France and the United States.

Ser. No. 623,642. Erven Luras Bois Incorporated, Englewood, N. J. Filed Jan. 10, 1932.

SILVER TOP

Applicant claims ownership of Registration No. 308,155. For Gin.

Claims use since Oct. 22, 1931.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 619,833. Hospital Equipment Corporation, New York, N. Y. Filed Oct. 10, 1931.

Anchor

For Baby Identification Bands and Rubber Sheetings. Claims use since December 1920.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 386,369. Union Trading Company, Ltd., Basel, Switzerland. Filed Oct. 13, 1949.

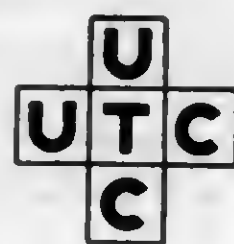
UTC

Applicant claims ownership of Swiss Registration No. 125,494, dated May 13, 1948.

For Perfumes, Face Powder, Face Cream, Hair Tonic, Hair Dye, Suntan Lotion, Shaving Cream, Toothpaste, Bathsalts, Cologne, Perfumed Hand and Face Lotions, Talcum Powders, Pomades and Toilet Waters, and Nail Polish.

Claims use since Feb. 22, 1922; and since Feb. 22, 1922, in commerce between Switzerland and the United States.

Ser. No. 386,376. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 13, 1949.



Applicant claims ownership of Swiss Registration No. 126,524, dated May 13, 1948.

For Perfumes, Face Powder, Face Cream, Hair Tonic, Hair Dye, Suntan Lotion, Shaving Cream, Toothpaste, Bathsalts, Cologne, Perfumed Hand and Face Lotions, Talcum Powders, Pomades and Toilet Waters, and Nail Polish.

Ser. No. 601,294. Academie Scientifique de Beaute, Paris and Colombes (Seine), France. Filed July 27, 1950.



Exclusive use of all wording shown on the drawing is disclaimed, apart from the rest of the mark. Applicant claims ownership of Registration No. 237,919.

For Perfume, Eau de Cologne, Face Creams, Face Powder, Toilet Powder, Rouges; Skin Tonics, Skin Lotions, and Astringents for the Skin; Liquid Cuticle Remover, Hair Lotions.

Claims use since Oct. 4, 1911, in France; and since Oct. 4, 1911, in commerce between France and the United States.

Ser. No. 607,331. Frederick M. Kahn, doing business as Lovins Laboratories, Denver, Colo. Filed Dec. 6, 1930.

LA VIOLA

For Perfumes, Hand Cream, Cleansing Cream, Foundation Cream, Shaving Cream, and Permanent Wave Solution. Claims use since Dec. 3, 1932.

Ser. No. 621,647. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California. Filed Nov. 26, 1931.

ANNIE OAKLEY

Among other meanings, the words "Annie Oakley" were the pseudonym of the famous woman sharp shooter, Phoebe Moses, now deceased.

For Hand Lotion and Cologne.

Claims use since Nov. 2, 1931.

Ser. No. 624,083. Gillette Safety Razor Company, Boston, Mass., now by change of name The Gillette Company. Filed Jan. 25, 1932.

Tonette

Applicant claims ownership of Registrations Nos. 416,405, 425,976, and others.

For Children's Home Permanent Hair Waving Kits Containing Hair Waving Lotion.

Claims use since Dec. 27, 1931.

Ser. No. 626,698. Northern Laboratories, Manitowoc, Wis. Filed Mar. 19, 1932.

PROM

For Foaming Bath and Hand Lotion. Claims use since Sept. 15, 1948.

Ser. No. 627,416. The Wella Corporation, New York, N. Y. Filed Apr. 1, 1932.

WELLA

Applicant claims ownership of Registrations Nos. 294,330, 294,360, and 296,728.

For Preparations for Use in the Treatment of Hair—Namely, Hair Dyes, Hair Lotions, Hair Creams, Hair Lacquers, Liquid Hair Conditioners, Preparations for Waving and Curling the Hair.

Claims use since Dec. 2, 1931.

Ser. No. 629,860. Painallay Company, Inc., Findlay, Ohio. Filed May 17, 1932.

VEX

For Denture Cleanser. Claims use since Feb. 21, 1946.

Ser. No. 634,649. The Mennen Company, Newark, N. J. Filed Aug. 29, 1932. (Sec. 2f.)

MENNEN

Applicant claims ownership of Registrations Nos. 504,689, 505,807, and others.

For After Shave Lotion, a Deodorant, and a Hair Preparation.

Claims use since June 1931.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 573,872. Essential Chemicals Co., Milwaukee, Wis. Filed Feb. 15, 1949.

LAUNDRY D-FLOX

No claim is made to the word "Laundry" apart from the mark as shown.

For Combination Soap and Synthetic Washing Powder. Claims use since June 3, 1948.

Ser. No. 616,206. Earl Orissmer Co., Indianapolis, Ind. Filed July 7, 1931.



The drawing is lined for blue. For Painted Wall and Woodwork Cleaner. Claims use since Jan. 15, 1931.

Ser. No. 626,239. Galen Laboratories, Pittsburgh, Pa. Filed Mar. 11, 1932.

Got

Applicant claims ownership of Registration No. 428,087. For Soaps and Shampoos. Claims use since Aug. 1, 1930.

Ser. No. 626,335. Parker Rust Proof Company, Detroit, Mich. Filed Mar. 12, 1932.

PARCOLITE

Applicant claims ownership of Registration No. 292,282. For Phosphatic Preparation for Application to Metal Surfaces for Cleaning and Forming a Permanent Coating Thereon.

Claims use since July 23, 1931.

Ser. No. 626,550. Chas. V. Zink & Sons, Detroit, Mich.
Filed Mar. 15, 1952.



The drawing is lined for the color blue.
For Stone Cleaner in Powder Form.
Claims use since Dec. 12, 1951.

Ser. No. 629,042. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Filed May 1, 1952.



In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red.
For Detergent Preparation—Namely, a Detergent and Disinfectant for General Hospital Use.
Claims use since Feb. 14, 1952.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 616,733. Streep Funeral Homes, Alton, Ill.
Filed July 20, 1951.



For Mortuary and Funeral Direction Services.
Claims use since 1931.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 614,520. Sprayo-Flake Company, Chicago, Ill.
Filed May 29, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 245,591.
For Spraying on Insulation in Buildings in General.
Claims use since 1927.

Ser. No. 614,521. Sprayo-Flake Company, Chicago, Ill.
Filed May 29, 1951. (Sec. 2f.)

SPRAY-ACOUSTIC

Applicant claims ownership of Registration No. 524,314.
For Spraying on Insulation in Buildings in General.
Claims use since 1931.

CLASS 104

COMMUNICATION

Ser. No. 619,041. Southern Radio & Television Equipment Company, Miami, Fla. Filed Sept. 20, 1951.



For Television Program Broadcasting.
Claims use since Feb. 16, 1950.

Ser. No. 626,498. Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Filed Mar. 15, 1952. (Sec. 2f.)



For Radio and Television Broadcasting Service.
Claims use since Jan. 17, 1952 as to the mark shown;
and since 1939 in a different form.

CLASS 106

MATERIAL TREATMENT

Ser. No. 607,712. Mathews Conveyor Company, Ellwood City, Pa. Filed Dec. 15, 1950.



Applicant claims ownership of Registration No. 530,565.
For Fabrication of Material Handling Conveyers and Material Handling Equipment on a Custom Basis.
Claims use since Mar. 15, 1947.

Ser. No. 625,500. Triangle Finishing Corp., Johnstown, N. Y. Filed Feb. 25, 1952.



For Treating Fabric of Others With a Water Repellent Finish.
Claims use since Aug. 29, 1951.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 597,971. Joseph Mustal, Manhasset, N. Y. Filed May 23, 1950.



For Entertainment Service Through the Medium of Radio and Television Broadcast Programs Consisting of Reviews of Sporting Events.
Claims use since Apr. 21, 1950.

TRADE-MARK REGISTRATIONS GRANTED ACT OF 1946, PRINCIPAL REGISTER

570,496. Drill Chucks, Knurling Tools, Tap Holders, Die Holders for Screw Machines and Lathes, Hollow Mill Holders, Stops for Screw Machines and Lathes, Etc. Barnaby Manufacturing and Tool Company, Bridgeport, Conn.

Original filed, act of 1905, Feb. 7, 1946; amended to application under act of 1946, Principal Register, May 26, 1948, Serial No. 496,122. Published Sept. 2, 1952. Class 23.

570,497. Packaging Machine of the Automatic Case Opener Type Wherein the Case Flaps Are Opened To Receive Packages Which Are To Be Shipped in Said Cases. J. L. Ferguson Company, Joliet, Ill.

Filed July 5, 1947, Serial No. 527,496. Published Nov. 11, 1952. Class 23.

570,498. Gum Drops. Bubbles, Inc., Brooklyn, N. Y.

Filed Aug. 12, 1947, Serial No. 531,092. Published Nov. 11, 1952. Class 46.

570,499. Sodium Glutamate Used for Food Seasoning Purposes. Chinese Trading Company, Chicago, Ill.

Filed Dec. 8, 1947, Serial No. 543,683. Published July 3, 1951. Class 46.

570,500. Paste and Liquid Wax for Polishing Floors, Linoleum, Furniture, and Automobiles; and Liquid Furniture Polish. Fletcher Kirkpatrick Perrow, Jr., trading as Perrow Chemical Co., Hurt, Va.

Filed Dec. 18, 1947, Serial No. 544,757. Published Nov. 25, 1952. Class 4.

570,501. Vortex-Type Separators for Removing by Centrifugal Action Undesirable Particles of Slurries of Desired Particles. Vickery's Ltd., London, England.

Filed Feb. 20, 1948, Serial No. 550,276. Published Oct. 7, 1952. Class 23.

570,502. Basement Sash. United States Gypsum Company, Chicago, Ill.

Filed June 12, 1948, Serial No. 559,125. Published Oct. 28, 1952. Class 12.

570,503. Ceramic Products for Domestic Purposes—Namely, Plates, Etc. N. V. Koninklijke Delftse Aardwerfabriek "De Porcelayne Flea" voorheen Joost Thooft en Labouchere (N. V. Falence Ryale de Delft "De Porcelayne Flea," ci-devant Joost Thooft et Labouchere, N. V. Royal Delft Ware Manufactory "De Porcelayne Flea," late Joost Thooft and Labouchere, Koninklijke Delfter Falence Fabrik "De Porcelayne Flea," vormals Joost Thooft and Labouchere), Delft, Netherlands.

Filed July 28, 1948, Serial No. 562,384. Published Oct. 28, 1952. Class 30.

570,504. Derricks, Hoists, Etc. American Hoist & Derrick Co., St. Paul, Minn.

Filed Aug. 19, 1948, Serial No. 563,710. Published May 9, 1950. Class 23.

570,505. Ready-Mixed Paints, Varnishes, and Paint Enamels. General Paint & Varnish Co., doing business as Mid City Paint Works, Chicago, Ill.

Filed Apr. 10, 1948, Serial No. 564,003. Published Nov. 25, 1952. Class 16.

570,506. Washable Service Apparel—Namely, Doctors' and Dentists' Jackets, Etc. Doctors and Nurses Outfitting Company, Incorporated, San Francisco, Calif.

Filed Sept. 14, 1948, Serial No. 565,121. Published Nov. 18, 1952. Class 39.

570,507. Magazine. Ski News and Ski Illustrated, Norwich, Vt.

Filed Oct. 8, 1948, Serial No. 566,728. Published Nov. 25, 1952. Class 38.

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570,508. Combination Storm Sash and Screen Windows and Combination Storm and Screen Doors. O. S. Stollman, doing business under the name of The Seamount Co., Chicago, Ill.

Filed Nov. 4, 1948, Serial No. 568,221. Published Dec. 2, 1952. Class 12.

570,509. Non-Toxic Air Deodorant, Used in Vaporious Form. Vamoos Products, Inc., Chicago, Ill.

Filed Jan. 19, 1949, Serial No. 572,471. Published Nov. 4, 1952. Class 6.

570,510. Rubber Ice Molds That Are Used To Make Spherical Ice Balls by Placing a Liquid To Be Frozen Therein, Then Placing the Molds in a Freezing Zone. Harry Moll, Denver, Colo.

Filed Feb. 21, 1949, Serial No. 574,235. Published Oct. 28, 1952. Class 31.

570,511. Odor Neutralizer Used as a Room Deodorant. Carter Sanitary Supply Co., Inc., Cincinnati, Ohio.

Filed Mar. 2, 1949, Serial No. 574,942. Published Oct. 28, 1952. Class 6.

570,512. Packaging Machines for Forming, Filling, and Sealing Packages Made of Web Material, Such as Heat-Sealing Film, Paper, or Foil. Stokes and Smith Company, Philadelphia, Pa.

Filed Mar. 18, 1949, Serial No. 575,677. Published Sept. 2, 1952. Class 23.

570,513. Packaging Machines for Forming, Filling, and Sealing Packages Made of Web Material, Such as Heat-Sealing Film, Paper, or Foil. Stokes and Smith Company, Philadelphia, Pa.

Filed Mar. 18, 1949, Serial No. 575,678. Published Sept. 2, 1952. Class 23.

570,514. Sulphur in Powder Form. Mathieson Chemical Corporation, Baltimore, Md., assignee of Southern Acid & Sulphur Company, Incorporated.

Filed Mar. 26, 1949, Serial No. 576,154. Published Aug. 19, 1952. Class 6.

570,515. Chamber Pots of Plastic, Wood, and Paper Maché. Roy Aitken, doing business as Roy Aitken & Partners, Glasgow, Scotland, assignor to The British Xylonite Co. Ltd., Hale End, England, a company of Great Britain.

Filed Apr. 5, 1949, Serial No. 576,612. Published Nov. 18, 1952. Class 2.

570,516. Laminated Wood for Use in the Manufacture of Furniture. Nichols and Nichols, Chicago, Ill.

Filed Apr. 27, 1949, Serial No. 577,806. Published Jan. 22, 1952. Class 12.

570,517. Office Machines—Namely, Addressing Machines, Apparatus and Machines for Printing and Stamping, for Making Address Plates, Machines for Opening and Sealing Envelopes, and Parts and Supports for Such Machines. Adrex, Paris, France.

Filed June 24, 1949, Serial No. 581,033. Published July 22, 1952. Class 23.

570,518. Bicycle Wheel Rims of Metal and Wheels Embodying Such Rims. Arnold, Schwinn & Co., Chicago, Ill.

Filed July 9, 1949, Serial No. 581,699. Published Nov. 11, 1952. Class 19.

570,519. Mechanical Cyclic Pitch Control Mechanism for the Pilot Control of Helicopters. United Helicopters, Inc., Palo Alto, Calif., now by change of name Hillier Helicopters, San Mateo County, Calif., a corporation of California.

Filed Aug. 20, 1949, Serial No. 583,781. Published Nov. 11, 1952. Class 19.

- 570,520. Multi-Vitamin and Multi-Mineral Preparation. Ralph I. Guy, doing business under the fictitious name and style of The Rig Company, Glendale, Calif. Filed Oct. 3, 1949, Serial No. 585,795. Published Nov. 11, 1952. Class 18.
- 570,521. Carbon Paper and Ink Ribbons. Underwood Corporation, New York, N. Y. Filed Nov. 29, 1949, Serial No. 588,536. Published Nov. 18, 1952. Class 11.
- 570,522. Plywood Composed of Built-Up Wood, Consisting of Three or More Plys Banded Together With Adhesives, Etc. The Davis Plywood Corporation, Cleveland, Ohio. Filed Sept. 19, 1949, Serial No. 588,557. Published July 1, 1952. Class 12.
- 570,523. Motor Driven Funeral and Invalid Cars and School Buses. Superior Coach Corporation, Lima, Ohio. Filed Dec. 7, 1949, Serial No. 588,975. Published Nov. 11, 1952. Class 19.
- 570,524. Motor Driven Funeral and Invalid Cars and School Buses. Superior Coach Corporation, Lima, Ohio. Filed Dec. 7, 1949, Serial No. 588,976. Published Nov. 11, 1952. Class 19.
- 570,525. Portland Cement Base Paint. The Gambrills Company, Inc., Gambrills, Md. Filed Mar. 3, 1950, Serial No. 593,343. Published Nov. 4, 1952. Class 12.
- 570,526. Foods—Namely, Herrings in Cream and Herrings in Wine Sauce. Schmulka's Packing Co., New York, N. Y. Filed Mar. 8, 1950, Serial No. 593,602. Published Nov. 25, 1952. Class 46.
- 570,527. Fish Hooks. Wright & McGill Co., Denver, Colo. Filed Mar. 16, 1950, Serial No. 594,087. Published Aug. 29, 1950. Class 22.
- 570,528. Vitamin B₁₂. E. S. Miller Laboratories, Inc., Los Angeles, Calif. Filed Mar. 20, 1950, Serial No. 594,274. Published Oct. 9, 1951. Class 18.
- 570,529. Coffee, Tea, and Sugar. Danny's Hide-A-Way, Inc., New York, N. Y. Filed Mar. 28, 1950, Serial No. 594,763. Published Nov. 18, 1952. Class 46.
- 570,530. Liquid for Treating Nylon and Other Fabrics To Increase Their Resistance to Snags, Picks, and Runs. Earle A. Goodenow, doing business as G-M Liquid Plastics, Ltd., Oklahoma City, Okla. Filed Apr. 7, 1950, Serial No. 595,375. Published Oct. 28, 1952. Class 6.
- 570,531. Garments Formed of Cotton and/or Rayon—Namely, Ladies' Underwear, Etc. Stone Manufacturing Co., Inc., Greenville, S. C. Filed Apr. 18, 1950, Serial No. 595,920. Published Nov. 18, 1952. Class 39.
- 570,532. Static Elimination and Cleaning Solution for Use on Phonograph Records. The Minnesota Electronics Corporation, St. Paul, Minn. Filed Apr. 29, 1950, Serial No. 596,616. Published Nov. 18, 1952. Class 52.
- 570,533. Canned Tomato Paste. Buffalo Frosted Foods, Inc., Fredonia, N. Y. Filed May 24, 1950, Serial No. 597,999. Published Mar. 13, 1951. Class 46.
- 570,534. Adhesive Cements—Namely, Cements for Shoemakers' Use. Karlson's Kilster Company, Rockford, Ill. Filed June 3, 1950, Serial No. 598,533. Published Nov. 25, 1952. Class 5.
- 570,535. Fuel Oil for Heating. The Union Sand and Supply Corporation, Palmyra, Ohio. Filed June 23, 1950, Serial No. 599,609. Published Nov. 25, 1952. Class 15.
- 570,536. Aerosol Insecticidal Compositions for Household and Similar Uses. Allied Chemical & Dye Corporation, New York, N. Y. Filed June 27, 1950, Serial No. 599,801. Published Oct. 28, 1952. Class 6.
- 570,537. Pumps—Namely, Centrifugal, Turbine, and Rotary Impeller Pumps, Shaft Bearings, and Parts Thereof. Byron Jackson Co., Vernon, Calif. Filed July 8, 1950, Serial No. 600,379. Published Oct. 28, 1952. Class 23.
- 570,538. Airplanes and Helicopters; Landing Gears for Aircraft Including Wheels for Such Landing Gears; Etc. Société Anonyme Dite: Messier, Paris, France. Filed Aug. 15, 1950, Serial No. 602,226. Published Sept. 23, 1952. Class 19.
- 570,539. Polishing and Cleaning Material for Automotive Vehicles and Aircraft, and for Cleaning and Polishing Windows, Etc. Goodenow-Morley Co., Oklahoma City, Okla. Filed Aug. 16, 1950, Serial No. 602,258. Published Nov. 4, 1952. Class 4.
- 570,540. Street and Highway Lighting Standards and Poles. Pfaff & Kendall, Newark, N. J. Filed Aug. 16, 1950, Serial No. 602,285. Published Oct. 28, 1952. Class 12.
- 570,541. Fat-Soluble Vitamin-Containing Glyceride Oils. Nopco Chemical Company, Harrison, N. J. Filed Aug. 23, 1950, Serial No. 602,622. Published Nov. 18, 1952. Class 18.
- 570,542. Fat-Soluble Vitamin-Containing Glyceride Oils. Nopco Chemical Company, Harrison, N. J. Filed Aug. 23, 1950, Serial No. 602,623. Published Nov. 18, 1952. Class 18.
- 570,543. Fat-Soluble Vitamin-Containing Glyceride Oils. Nopco Chemical Company, Harrison, N. J. Filed Aug. 23, 1950, Serial No. 602,624. Published Nov. 18, 1952. Class 18.
- 570,544. Furniture, Woodwork, and Leather Polish. H. Douglas Curry, Santa Barbara, Calif. Filed Sept. 5, 1950, Serial No. 603,148. Published Nov. 25, 1952. Class 4.
- 570,545. Mineralized Food Supplement for Use by Livestock and Poultry. Kidman's Standard Stock Powder Co., Des Moines, Iowa. Filed Sept. 6, 1950, Serial No. 603,196. Published Nov. 11, 1952. Class 18.
- 570,546. Twines and Cordage for Use in the Fishing Industry and for Commercial or Industrial Purposes. Drummondville Cotton Company, Limited, Montreal, Quebec, Canada. Filed Aug. 31, 1950, Serial No. 603,714. Published Nov. 25, 1952. Class 7.
- 570,547. Plastic Molding Compositions in Powdered and Granular Form, Etc. Cutler-Hammer, Inc., Milwaukee, Wis. Filed Sept. 30, 1950, Serial No. 604,257. Published Oct. 14, 1952. Class 1.
- 570,548. Refrigerators—Namely, Refrigerated Service and Self-Service Cases, and Walk-In, Reach-In, and Beverage Coolers. McCray Refrigerator Company, Kendallville, Ind., now by change of name McCray Refrigerator Company, Inc. Filed Oct. 5, 1950, Serial No. 604,484. Published Sept. 16, 1952. Class 31.
- 570,549. Hairdressing and Hair and Scalp Lotion. Arthur W. Palmer, Jr., doing business under the assumed name of Tru Le Do Products Company, Detroit, Mich. Filed July 15, 1950, Serial No. 604,879. Published Nov. 4, 1952. Class 51.
- 570,550. Dry Magnesia Cement for Floors and Walls. F. E. Schundler & Co. Inc., Joliet, Ill. Filed Oct. 20, 1950, Serial No. 605,233. Published Oct. 21, 1952. Class 12.
- 570,551. Wiping Cloths. Sam Rosen, doing business as Rosen Sanitary Wiping Cloth Co., New Orleans, La. Filed Oct. 23, 1950, Serial No. 605,328. Published Nov. 25, 1952. Class 29.

- 570,552. Chemical Composition Having Germicidal, Disinfecting, Sanitizing, Deodorizing Properties for Industrial and Household Purposes. Alrose Chemical Company, Cranston, R. I. Filed Oct. 25, 1950, Serial No. 605,396. Published Nov. 18, 1952. Class 6.
- 570,553. Ion-Exchange Water Conditioners of the Tank Type. Pacific Engineering Products Co. Inc., San Diego, Calif. Filed Oct. 27, 1950, Serial No. 605,488. Published Nov. 4, 1952. Class 31.
- 570,554. Mechanical Seal for Rotating Shafts. The Viscoseal Corporation, Union, N. J. Filed Nov. 1, 1950, Serial No. 605,771. Published Nov. 25, 1952. Class 35.
- 570,555. Heat Transfer Products—Namely, Coolers and Intercoolers. Yates-American Machine Company, Beloit, Wis. Filed Nov. 1, 1950, Serial No. 605,775. Published Sept. 23, 1952. Class 31.
- 570,556. Water Softeners of the Mineral Type. The Duro Co., Dayton, Ohio. Filed Nov. 2, 1950, Serial No. 605,785. Published Sept. 23, 1952. Class 31.
- 570,557. Perfumes. Robert Piguet, Paris, France. Filed Nov. 3, 1950, Serial No. 605,871. Published Nov. 11, 1952. Class 51.
- 570,558. Hair Rinse. Rapidol Distributing Corporation, New Hyde Park, N. Y. Filed Nov. 7, 1950, Serial No. 606,050. Published Oct. 28, 1952. Class 51.
- 570,559. Ice-Making Machines. Liquid Freeze Corporation, Oakland, Calif. Filed Nov. 13, 1950, Serial No. 606,306. Published Sept. 16, 1952. Class 31.
- 570,560. Magazine Published Bi-Monthly. Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo. Filed Nov. 16, 1950, Serial No. 606,450. Published Nov. 25, 1952. Class 38.
- 570,561. Medicated Throat Lozenges. S. Pfeiffer Manufacturing Company, St. Louis, Mo. Filed Nov. 20, 1950, Serial No. 606,678. Published Nov. 11, 1952. Class 18.
- 570,562. Drug for the Treatment of Poultry. Hopkins & Hopkins Pharmaceutical Co., Philadelphia, Pa. Filed Nov. 21, 1950, Serial No. 606,706. Published Aug. 14, 1951. Class 18.
- 570,563. General Household and Industrial Cleanser for the Cleaning of Garage and Other Floors, Walls, Dishes, Clothes, Painted Surfaces, Etc. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,819. Published Nov. 25, 1952. Class 52.
- 570,564. General Household and Industrial Cleanser for the Cleaning of Garage and Other Floors, Walls, Dishes, Clothes, Painted Surfaces, and Alkyl Aryl Sulfonate and Tripolyphosphate for Use as Ingredients for Making the Same. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,821. Published Nov. 25, 1952. Class 52.
- 570,565. General Household and Industrial Cleanser for the Cleaning of Garage and Other Floors, Etc. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,823. Published Nov. 25, 1952. Class 52.
- 570,566. Cleaning Preparation Consisting of a Combination of Alkalies, Etc. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,827. Published Nov. 18, 1952. Class 52.
- 570,567. Auto Polish and Cleaner Wax. American Stores Company, Philadelphia, Pa. Filed Nov. 24, 1950, Serial No. 606,844. Published Nov. 4, 1952. Class 4.
- 570,568. Dietary Supplement Containing Vitamins and Minerals. Mrs. Deasa Scalf, doing business as Indian River Medicine Company, and the Nu-Becol Company, La Follette, Tenn. Filed Nov. 24, 1950, Serial No. 606,901. Published Nov. 6, 1951. Class 18.
- 570,569. Griddle Stone Used for Cleaning Metal Orilla. Victoria Products Corp., New York, N. Y. Filed Nov. 29, 1950, Serial No. 607,105. Published Nov. 25, 1952. Class 4.
- 570,570. Certain Dairy Foods, Specifically Ice Cream, Sweet Milk, Buttermilk, Light and Heavy Cream, and Chocolate Flavored Milk. Steffen Dairy Foods Company, Inc., also doing business under the trade style Garden Farm Dairy, Wichita, Kans., and Denver, Colo. Filed Dec. 1, 1950, Serial No. 607,202. Published Nov. 25, 1952. Class 46.
- 570,571. Ceramic and Plastic Tile for Such Surfaces as Floors, Walls, and the Like. Red-Dee Products Co., Chicago, Ill. Filed Dec. 7, 1950, Serial No. 607,396. Published Nov. 4, 1952. Class 12.
- 570,572. Nut and Lobster Cracker. Mouli Manufacturing Corporation, Union, N. J. Filed Dec. 8, 1950, Serial No. 607,442. Published Nov. 11, 1952. Class 23.
- 570,573. Methamphetamine, Which in the Form of Its Hydrochloride May Be Used in the Treatment of Narcolepsy, Etc. O'Connell Brothers, Inc., Overland and St. Louis, Mo. Filed Dec. 9, 1950, Serial No. 607,510. Published Nov. 25, 1952. Class 18.
- 570,574. Cough Pastilles and Cough Mixture. The Brynn Manufacturing Company Limited, Ashton-in-Makerfield, near Wigan, England. Filed Dec. 12, 1950, Serial No. 607,575. Published Nov. 11, 1952. Class 18.
- 570,575. Jewelry Cleaner for Use in Cleaning Precious and Semi-Precious Stone Set Jewelry and Costume Jewelry. Michael J. Shyer, trading and doing business as Dassel Products Company, Nashville, Tenn. Filed Dec. 12, 1950, Serial No. 607,609. Published Nov. 25, 1952. Class 52.
- 570,576. Wheel Conveyers, Chutes, Roller Conveyers, Belt Conveyers, Chain Conveyers, Ball Transfers, Vertical Reciprocating Hoists, and Reciprocating Beam Conveyers. Mathews Conveyer Company, Ellwood City, Pa. Filed Dec. 15, 1950, Serial No. 607,710. Published Oct. 28, 1952. Class 23.
- 570,577. Filter Disks, Rolls, and Strips. Johnson & Johnson, New Brunswick, N. J. Filed Dec. 21, 1950, Serial No. 607,958. Published Nov. 4, 1952. Class 31.
- 570,578. Anti-Vibration and Shock Absorbing Mountings for Vehicles, Spring Suspension Mountings, and Flexible Instrument Mountings for Automobiles, Etc. Metalastik Limited, Leicester, England. Filed Jan. 3, 1951, Serial No. 608,320. Published Nov. 11, 1952. Class 19.
- 570,579. Asphalt Base Aluminum Paint, Ready Mixed Asphalt Base Aluminum Paint, Gilsolite Preservative Paint, Metal and Screen Paint, Liquid Asbestos Fibered Roof Coating, Nonfibered Asphalt Roof Coating, Fibered Aluminum Roof Coating, Foundation Coating, and Colorless Waterproofing Coating. Foster Lumber Company, Kansas City, Mo. Filed Jan. 25, 1951, Serial No. 609,237. Published Nov. 25, 1952. Class 16.

- 570,580. Liquid Soap Used as a Surgical Scrub Soap in Preoperative Scrubup and for Routine Cleansing of Hands. Ped-O-Flo Company, Waverly, Iowa. Filed Feb. 5, 1951, Serial No. 609,661. Published Nov. 18, 1952. Class 52.
- 570,581. Products, Equipment and Material Now Being Sold as a Complete Kit and Employed in a Process of Applying Contrasting Colors to Type Setting Matrices, Etc. Gertrude S. Tenderich, doing business as Lino-tape Products Company, Denver, Colo. Filed Feb. 12, 1951, Serial No. 609,987. Published Sept. 23, 1952. Class 50.
- 570,582. Household Refrigerators, Home Freezers, Frozen Food Display Cabinets, Etc. Refrigerative Supply, Inc., Seattle, Wash. Filed Feb. 13, 1951, Serial No. 610,029. Published Sept. 9, 1952. Class 31.
- 570,583. Textile Fabric in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Combinations Thereof. Tanbro Fabrics Corp., New York, N. Y. Filed Feb. 17, 1951, Serial No. 610,240. Published Nov. 25, 1952. Class 42.
- 570,584. Power Transmission Machinery. T. B. Wood's Sons Company, Chambersburg, Pa. Filed Feb. 20, 1951, Serial No. 610,349. Published Oct. 28, 1952. Class 23.
- 570,585. Raw Natural Soil Product Having Porous Characteristics for Use in Absorbing Oils and Grease From Floors or Soiled Surfaces. Caprock Chemical Co., Inc., Lubbock, Tex. Filed Feb. 21, 1951, Serial No. 610,359. Published Nov. 11, 1952. Class 52.
- 570,586. Medicated Skin Cream for Burns. Noxzema Chemical Company, Baltimore, Md. Filed Mar. 2, 1951, Serial No. 610,757. Published Nov. 11, 1952. Class 18.
- 570,587. Women's and Misses' Undergarments in the Nature of a Pantie. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 15, 1951, Serial No. 611,058. Published Nov. 18, 1952. Class 39.
- 570,588. Dairy Products—Namely, Cheese. Knudsen Creamery Co. of California, Los Angeles, Calif. Filed Mar. 16, 1951, Serial No. 611,439. Published Oct. 7, 1952. Class 46.
- 570,589. Resilient Seal for Foundry Core Boxes and Sand Charging Apparatus. Eastern Clay Products, Inc., Jackson, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Filed Mar. 21, 1951, Serial No. 611,603. Published Nov. 25, 1952. Class 35.
- 570,590. Women's and Girls' Hats, Jeans, Handkerchiefs, and Scarves. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California. Filed Mar. 28, 1951, Serial No. 611,910. Published Apr. 29, 1952. Class 39.
- 570,591. Combination Hand Tool for Cutting Wire, Stripping Insulation From Insulated Wire, Measuring Wire Gauge, Crimping Electrical Terminals, and Shearing Threaded Bolts. Aircraft-Marine Products Inc., Harrisburg, Pa. Filed Apr. 4, 1951, Serial No. 612,195. Published Oct. 28, 1952. Class 23.
- 570,592. Insulated, Portable Metal Bucket. The Hamilton Metal Products Company, Hamilton, Ohio. Filed Apr. 13, 1951, Serial No. 612,612. Published Nov. 18, 1952. Class 2.
- 570,593. Lubricating Oil. Whale Oil Company Incorporated, Brooklyn, N. Y. Filed July 10, 1951, Serial No. 616,308. Published Nov. 25, 1952. Class 15.
- 570,594. Prefabricated Sectional Housing Units. B-D Homes Co., Martin City, Mo. Filed July 13, 1951, Serial No. 616,404. Published Dec. 2, 1952. Class 12.
- 570,595. Electrically Operated Reach-In Refrigerators for Domestic and Commercial Use, Refrigerating Units for Said Refrigerators and for Use in Cooling Systems and Parts of the Aforesaid Goods for Replacement and Repair. Borg-Warner Corporation, Chicago, Ill. Filed July 18, 1951, Serial No. 616,622. Published Nov. 11, 1952. Class 31.
- 570,596. Black Granite Surface Plates Used To Provide an Accurate Plane Surface for Use in Machine Shops for Inspection and Layout Work. Lee Collins, Los Angeles, Calif. Filed July 23, 1951, Serial No. 616,793. Published Sept. 23, 1952. Class 26.
- 570,597. Shingles and Siding. Globe Roofing Products Co., Inc., Whiting, Ind. Filed Aug. 6, 1951, Serial No. 617,365. Published Oct. 14, 1952. Class 12.
- 570,598. Filters for Use in Pneumatic Lubricating Systems for Production Machinery, or the Like. C. A. Norgren Co., Denver, Colo. Filed July 27, 1951, Serial No. 617,040. Published Oct. 28, 1952. Class 31.
- 570,599. Drug of Lipotropic Factors Containing Choline Dihydrogen Citrate and Inositol. The Mutual Pharmaceutical Corp., Stamford, Conn. Filed Aug. 8, 1951, Serial No. 617,454. Published Nov. 11, 1952. Class 18.
- 570,600. Gasoline Powered Rotary Lawn Mowers. Savage Arms Corporation, Utica, N. Y. Filed Aug. 9, 1951, Serial No. 617,514. Published Nov. 11, 1952. Class 23.
- 570,601. Chemical Compound for Prevention of Corrosion, Scale in Diesel Engine Cooling Equipment. Universal Refining Products Co., Inc., New York, N. Y. Filed Aug. 13, 1951, Serial No. 617,636. Published Oct. 28, 1952. Class 6.
- 570,602. Cleaners Consisting of Granular Materials Adapted To Be Cascaded Over a Surface, Etc. The Haloid Company, Rochester, N. Y. Filed Aug. 17, 1951, Serial No. 617,793. Published Nov. 18, 1952. Class 52.
- 570,603. Medicinal Vitamin Tonic in Liquid Form for the Human Organism. State Signs, Passaic, N. J., assignor to Vital Aid Corporation of America, Passaic, N. J., a corporation of New Jersey. Filed Aug. 24, 1951, Serial No. 618,059. Published Dec. 2, 1952. Class 18.
- 570,604. Cloth Stripping Machine. Howard A. Burdwood, South Portland, Maine. Filed Aug. 29, 1951, Serial No. 618,203. Published Aug. 19, 1952. Class 23.
- 570,605. Scissors and Shears of General Household Utility Type. The Acme Shear Company, Bridgeport, Conn. Filed Sept. 5, 1951, Serial No. 618,384. Published Oct. 28, 1952. Class 23.
- 570,606. Synthetic Detergent in Powder Form for Use in Dairy Can Washing Machines. Virginia-Carolina Chemical Corporation, Richmond, Va. Filed Sept. 5, 1951, Serial No. 618,412. Published Nov. 25, 1952. Class 52.
- 570,607. Chemical Mixture for the Prevention of Termites. Benjamin F. Burton, Jr., doing business as B. F. Burton & Sons Creosoting Co., Birmingham, Ala. Filed Sept. 6, 1951, Serial No. 618,442. Published Nov. 4, 1952. Class 6.
- 570,608. Motor Exhaust and Intake Valves. Republic Hard Facing Corporation, Bedford, Ohio. Filed Sept. 7, 1951, Serial No. 618,509. Published Nov. 11, 1952. Class 23.

- 570,609. Vitamin-Mineral Perle. The S. E. Massengill Company, Bristol, Tenn. Filed Sept. 11, 1951, Serial No. 618,644. Published Dec. 2, 1952. Class 18.
- 570,610. Household Refrigerators. Aktiebolaget Elektrolux, Stockholm, Sweden. Filed Sept. 12, 1951, Serial No. 618,668. Published Nov. 11, 1952. Class 31.
- 570,611. Lead Oxide, Mixtures of Lead Oxide With Lead Chromate, Lead Sulphate, Etc. National Lead Company, Sayreville, N. J., and New York, N. Y. Filed Sept. 12, 1951, Serial No. 618,710. Published Nov. 4, 1952. Class 6.
- 570,612. Aromatic Bitters Having Stomachic, Carminative, and Appetizing Properties. Angostura Bitters (Dr. J. G. R. Siegert & Sons) Limited, Port of Spain, Trinidad. Filed Sept. 13, 1951, Serial No. 618,722. Published Nov. 25, 1952. Class 18.
- 570,613. Tablets for Appeasing Hunger and Retarding Over-Eating. Makers of Kai, Inc., Los Angeles, Calif. Filed Sept. 13, 1951, Serial No. 618,749. Published Dec. 2, 1952. Class 18.
- 570,614. Written Material and Pictures, Particularly Pictures of and Written Material Concerning Zoological Animals Presented as an Article or Column Published Periodically or Occasionally in Printed Form. R. Martin Perkins, Chicago, Ill. Filed Sept. 14, 1951, Serial No. 618,812. Published Nov. 25, 1952. Class 38.
- 570,615. Liquid Fuel Filters. Carter Carburetor Corporation, St. Louis, Mo. Filed Sept. 17, 1951, Serial No. 618,883. Published Sept. 16, 1952. Class 31.
- 570,616. Coloring Agents, Particularly Dyestuffs. General Dyestuff Corporation, New York, N. Y. Filed Sept. 18, 1951, Serial No. 618,922. Published Nov. 4, 1952. Class 6.
- 570,617. Chemicals Used as Reducing Agents, Particularly for Printing Vat Dyes, Discharging, Bleaching, and Stripping. General Dyestuff Corporation, New York, N. Y. Filed Sept. 18, 1951, Serial No. 618,924. Published Nov. 4, 1952. Class 6.
- 570,618. Teething Lotion for Relief of Pain in Infants' Gums. The Infadent Corporation, Baltimore, Md. Filed Sept. 18, 1951, Serial No. 618,930. Published Nov. 11, 1952. Class 18.
- 570,619. Compound of Meth-Dia-Mer Sulfonamides With Sodium Citrate. Henry K. Wampole & Company, Incorporated, Philadelphia, Pa. Filed Sept. 19, 1951, Serial No. 618,995. Published Sept. 2, 1952. Class 18.
- 570,620. Bags of Woven Filter Cloth Used for Filtering Liquids and Gases. The National Filter Media Corporation, New Haven, Conn. Filed Sept. 20, 1951, Serial No. 619,029. Published Oct. 28, 1952. Class 31.
- 570,621. Refrigeration Condensers, Water Chillers, and Evaporative Condensers. Acme Industries, Inc., Jackson, Mich. Filed Sept. 27, 1951, Serial No. 619,276. Published Nov. 11, 1952. Class 31.
- 570,622. Railroad Car Moving Tool—Namely, a Pinch Bar With a Forward Pushing Toggle Which Enables the Moving of a Railroad Car, and Parts of Such Devices. Advance Car Mover Company, Inc., Appleton, Wis. Filed Sept. 27, 1951, Serial No. 619,279. Published Nov. 11, 1952. Class 23.
- 570,623. Wall Panels in Sheet or Panel Form for a Wall Covering To Be Used Instead of Plaster or Lumber for Constructional and/or Decorative Purposes. Marsh Wall Products, Inc., Dover, Ohio, assignor to United States Plywood Corporation, New York, N. Y. Filed Sept. 29, 1951, Serial No. 619,397. Published Oct. 14, 1952. Class 12.
- 570,624. Socket Wrenches, Socket Wrench Sets, Etc. Duro Metal Products Co., Chicago, Ill. Filed Oct. 2, 1951, Serial No. 619,501. Published Nov. 11, 1952. Class 23.
- 570,625. Wetting-Out Agents and Preservatives for Animal and Vegetable Glues, Technical Albuminous Substances, Hides, Fabrics, Dressing Mediums and Other Organic Technical Materials Liable to Decomposition by Micro-Organisms. General Dyestuff Corporation, New York, N. Y. Filed Oct. 3, 1951, Serial No. 619,541. Published Nov. 4, 1952. Class 6.
- 570,626. Foot Cream. Ruth O. Barndt, doing business as Ruth Peterson, Philadelphia, Pa. Filed Oct. 4, 1951, Serial No. 619,561. Published Nov. 25, 1952. Class 51.
- 570,627. Dry Composition Composed Principally of Expanded Perlite, Etc. Arthur L. Armentrout, Long Beach, Calif. Filed Oct. 6, 1951, Serial No. 619,668. Published Oct. 28, 1952. Class 1.
- 570,628. Meats in Tin and Glass—Namely, Chili Con Carne With Beans, Etc. United Packers, Inc., Chicago, Ill. Filed Oct. 8, 1951, Serial No. 619,727. Published Nov. 25, 1952. Class 46.
- 570,629. Stick of a Chemical Substance for Removing Spots. Ralph H. Goldman, doing business under the firm name and style of Ralph H. Goldman Enterprises, New York, N. Y.; David J. Goldman and Milton W. Alexander, executors of said Ralph H. Goldman, deceased. Filed Oct. 9, 1951, Serial No. 619,752. Published Nov. 4, 1952. Class 52.
- 570,630. Lubricants for Moving Metallic Parts and for Plastic Bearing Surfaces, Lubricating Oils and Greases, Valve Lubricants, Stopcock Greases. Dow Corning Corporation, Midland, Mich. Filed Oct. 10, 1951, Serial No. 619,809. Published Nov. 25, 1952. Class 15.
- 570,631. Waterproofing Materials—Namely, Caulking Compound, Glazing Compound, Surface Coating, Asphalt Roof Coating, Plastic Roof Cement, Plaster Bond, and Shingle Anchoring and Sealing Compound. Chester T. Hughes, doing business as Weather-Lox Products Co., Kansas City, Mo. Filed Oct. 15, 1951, Serial No. 620,002. Published Nov. 18, 1952. Class 12.
- 570,632. Cholagogues and Choloretics for the Treatment of All Diseases of the Liver and Bile Ducts, Etc. Ames Company, Inc., Elkhart, Ind. Filed Oct. 22, 1951, Serial No. 620,291. Published Nov. 25, 1952. Class 18.
- 570,633. Ladies' Handbags. Eleanor Leach Swartz, Hinsdale, Ill. Filed Oct. 25, 1951, Serial No. 620,475. Published Nov. 18, 1952. Class 3.
- 570,634. Perfume. Societe a Responsabilite Limitee Dite: Marquay, Paris, France. Priority under Sec. 44(d). French Registration No. 413,998, filed Aug. 8, 1951. Filed Oct. 26, 1951, Serial No. 620,532. Published Nov. 4, 1952. Class 51.
- 570,635. Metal Clad Sandwich Core Bonded Panels. Goodyear Aircraft Corporation, Wilmington, Del., and Akron, Ohio. Filed Oct. 29, 1951, Serial No. 620,598. Published Oct. 14, 1952. Class 12.

- 570,836. Conveyor Systems and Parts—Namely, Overhead Trolley Conveyor Systems; Gravity, Skate Wheel, and Roller Conveyors; Portable Conveyors; Power Driven Conveyors; Screw Conveyors; Bucket Conveyors and Chain Conveyors. Hans G. Schroeder, doing business as General Conveyor Company, Long Island City, N. Y.
Filed Oct. 30, 1951, Serial No. 620,892. Published Sept. 23, 1952. Class 23.
- 570,837. Lubricating Oil and Cordage Oil. Standard Oil Company, an Indiana corporation, Chicago, Ill.
Filed Oct. 30, 1951, Serial No. 620,897. Published Nov. 25, 1952. Class 15.
- 570,838. Women's and Misses' Blouses. Alper Blouse Co. Inc., Philadelphia, Pa.
Filed Oct. 31, 1951, Serial No. 620,712. Published Nov. 18, 1952. Class 39.
- 570,839. Personal Deodorant. Carter Products, Inc., New York, N. Y.
Filed Oct. 31, 1951, Serial No. 620,721. Published Nov. 25, 1952. Class 51.
- 570,840. Asphalt Weather Strips. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y.
Filed Oct. 31, 1951, Serial No. 620,745. Published Nov. 4, 1952. Class 12.
- 570,841. Plaster or Stucco in Powdered or Granulated Form. W. M. Rumpf, doing business as Claroka Co., Claremore, Okla.
Filed Nov. 2, 1951, Serial No. 620,829. Published Oct. 14, 1952. Class 12.
- 570,842. Land, Air, and Water Craft, Automobiles, Cycles, Heaters for Buses and Automobiles, Sliding Roofs for Buses and Automobiles, and Rims, Mudguards, Luggage Carriers, and Chainguards for Cycles. Wilhelm Baier K. O. Metallwarenfabrik, Stockdorf-Munich, Germany.
Filed Aug. 2, 1951, Serial No. 620,868. Published Nov. 11, 1952. Class 19.
- 570,843. Bicycles. Monark Silver King, Inc., Chicago, Ill.
Filed Nov. 14, 1951, Serial No. 621,220. Published Nov. 4, 1952. Class 19.
- 570,844. After Shave Freshener. The Odell Company, Inc., Newark, N. J.
Filed Nov. 14, 1951, Serial No. 621,224. Published Nov. 4, 1952. Class 51.
- 570,845. Lipsticks and Perfumes. Whitehall Pharmacal Company, New York, N. Y.
Filed Nov. 15, 1951, Serial No. 621,293. Published Nov. 18, 1952. Class 51.
- 570,846. Chemical Composition Useful for Increasing the Air Content of Concrete and Mortar and for Enhancing the Grindability of Cement-Clinkers. Dewey and Almy Chemical Company, Cambridge, Mass.
Filed Nov. 16, 1951, Serial No. 621,310. Published Nov. 18, 1952. Class 6.
- 570,847. Mortar, Pea Gravel Concrete, Patching and Topping Concrete, Finish Stucco, Brown or Scratch Coat, Gypsum Plaster, Acoustical Plaster, Aggregate for Installation, and Plaster Aggregate. Bo Products Corporation, Rochester, N. Y.
Filed Nov. 17, 1951, Serial No. 621,355. Published Nov. 4, 1952. Class 12.
- 570,848. Boats. Holmes A. Thurmond, Shreveport, La.
Filed Nov. 17, 1951, Serial No. 621,382. Published Nov. 11, 1952. Class 19.
- 570,849. Finely Ground Cellulosic Product Derived From Vegetable Fibers for Use as an Additive for Foundry Molding Sand and Core Sand Mixtures. Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio.
Filed Nov. 19, 1951, Serial No. 621,385. Published Oct. 28, 1952. Class 1.
- 570,850. Ladies' Dresses, Skirts, Suits, Blouses, and Outer Men's Shirts. David Crystal, Inc., New York, N. Y.
Filed Nov. 23, 1951, Serial No. 621,545. Published Nov. 25, 1952. Class 39.
- 570,851. Chemical Preparation for the Treatment of Flour. Adrianus Kleijn, trading as Chefaro Chemische Fabriek "Rotterdam," Rotterdam-West, South Holland, Netherlands.
Filed Nov. 26, 1951, Serial No. 621,671. Published Oct. 28, 1952. Class 6.
- 570,852. Embalming Fluid. American Funeral Supply Corp., Wintthrop, Mass.
Filed Nov. 27, 1951, Serial No. 621,698. Published Nov. 4, 1952. Class 6.
- 570,853. Nail Polish. Northam Warren Corporation, Stamford, Conn.
Filed Nov. 28, 1951, Serial No. 621,794. Published Nov. 25, 1952. Class 51.
- 570,854. Automobile Shock Absorbers. Monroe Auto Equipment Company, Monroe, Mich.
Filed Nov. 16, 1951, Serial No. 622,058. Published Nov. 4, 1952. Class 19.
- 570,855. Automobile Shock Absorbers. Monroe Auto Equipment Company, Monroe, Mich.
Filed Nov. 16, 1951, Serial No. 622,059. Published Nov. 4, 1952. Class 19.
- 570,856. Raw Fibrous Textile Materials—Namely, Artificial Staple Fibres Made From Cellulose. Courtaulds, Limited, London, England.
Filed Dec. 4, 1951, Serial No. 622,069. Published Oct. 14, 1952. Class 1.
- 570,857. Printing Ribbons. Clary Multiplier Corporation, San Gabriel, Calif.
Filed Dec. 8, 1951, Serial No. 622,249. Published Nov. 18, 1952. Class 11.
- 570,858. Apparatus and Machines Used in the Heavy Paper Industry—Namely, Stands for Supporting Rolls of Paper During Unwinding, Etc. Samuel M. Langston Co., Camden, N. J.
Filed Dec. 12, 1951, Serial No. 622,392. Published Nov. 11, 1952. Class 23.
- 570,859. Lubricant for Rubber or Rubber-Like Articles. Vernay Laboratories, Inc., Yellow Springs, Ohio.
Filed Dec. 13, 1951, Serial No. 622,471. Published Nov. 11, 1952. Class 15.
- 570,860. Wall Patching Material in Powder Form. Kirwin & Kowall, Wilmington, Del.
Filed Dec. 22, 1951, Serial No. 622,777. Published Oct. 21, 1952. Class 12.
- 570,861. Gummed Tape for Sealing Packages or the Like. Atlantic Gummed Paper Corporation, Brooklyn, N. Y.
Filed Dec. 24, 1951, Serial No. 622,782. Published Nov. 25, 1952. Class 5.
- 570,862. Perfumes, and Toilet Preparations—Namely, Perfume Extract, Etc. Guerlain, Inc., New York, N. Y.
Filed Dec. 26, 1951, Serial No. 622,823. Published Oct. 14, 1952. Class 51.
- 570,863. Hide and Leather Working Machines—Namely, Fleshing Machines, Etc. Chas. H. Stehling Company, Milwaukee, Wis.
Filed Dec. 26, 1951, Serial No. 622,854. Published Sept. 23, 1952. Class 23.
- 570,864. Copper Printing Rollers. Thomas Bolton & Sons Limited, Widnes, England.
Filed Dec. 28, 1951, Serial No. 622,921. Published Oct. 21, 1952. Class 23.
- 570,865. Periodical Publications. Avon Periodicals, Inc., New York, N. Y.
Filed Dec. 29, 1951, Serial No. 622,980. Published Nov. 25, 1952. Class 38.
- 570,866. Silverware Chests, Covered Bags for Silverware, Storage Hampers, Etc. Miller and Rhoads, Incorporated, Richmond, Va.
Filed Dec. 10, 1951, Serial No. 623,100. Published Nov. 25, 1952. Class 2.
- 570,867. Ladies' and Misses' Handbags and Shoulder Bags. Atlantic Handbags, Inc., Boston, Mass.
Filed Jan. 3, 1952, Serial No. 623,121. Published Nov. 18, 1952. Class 3.

- 570,868. Dyestuffs in Form of Printing Pastes and Powders. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany.
Filed Jan. 5, 1952, Serial No. 623,243. Published Nov. 25, 1952. Class 6.
- 570,869. Lubricating Oil. Thomas T. Wynne, New York, N. Y.
Filed Jan. 15, 1952, Serial No. 623,628. Published Nov. 25, 1952. Class 15.
- 570,870. Chemical Preparations for Thawing Ice and Snow. Speco Inc., Cleveland, Ohio.
Filed Jan. 16, 1952, Serial No. 623,685. Published Nov. 4, 1952. Class 6.
- 570,871. Bleach, Disinfectant, and Water Purifier. United International Research, Inc., Long Island City, N. Y.
Filed Jan. 22, 1952, Serial No. 623,923. Published Nov. 4, 1952. Class 6.
- 570,872. Carbon Black Dispersed in Shellac With or Without Added Solvent and Used in Pigmenting Inks. Binney & Smith Company, New York, N. Y.
Filed Jan. 23, 1952, Serial No. 623,944. Published Nov. 18, 1952. Class 11.
- 570,873. Carbon Black Dispersed in Shellac With or Without Added Solvent and Used in Pigmenting Protective Coatings. Binney & Smith Company, New York, N. Y.
Filed Jan. 23, 1952, Serial No. 623,945. Published Nov. 18, 1952. Class 16.
- 570,874. Plastic Moldable Tablets for Use in the Formation of Electrotypes, Printing Plates, and Similar Articles. Tenak Products Company, Chicago, Ill.
Filed Jan. 23, 1952, Serial No. 623,997. Published Oct. 28, 1952. Class 1.
- 570,875. Carbon Black for Use in Ink and Inking Materials. Godfrey L. Cabot, Inc., Boston, Mass.
Filed Feb. 1, 1952, Serial No. 624,390. Published Nov. 18, 1952. Class 11.
- 570,876. Ophthalmic Lenses and Lens Blanks. Modern Optics, Incorporated, Houston, Tex.
Filed Feb. 3, 1952, Serial No. 624,537. Published Sept. 16, 1952. Class 26.
- 570,877. Automobile Seat Covers. George J. Steine, Plano, Ill.
Filed Feb. 6, 1952, Serial No. 624,613. Published Nov. 11, 1952. Class 19.
- 570,878. Herring Fillets. Weinstock Importing Corp., New York, N. Y.
Filed Feb. 6, 1952, Serial No. 624,620. Published Sept. 23, 1952. Class 46.
- 570,879. Women's and Children's Clothing, Consisting of Dresses, Skirts, Blouses, Bathing Suits, Etc. Werner G. Scharff, Santa Monica, Calif.
Filed Feb. 7, 1952, Serial No. 624,662. Published Nov. 18, 1952. Class 39.
- 570,880. Composition Used as an Additive to Drilling Fluid for the Purpose of Preventing and Regaining Lost Circulation in the Drilling of Oil and Gas Wells, Etc. Homer L. Twining, doing business as Arme Sawdust Company, San Antonio, Tex.
Filed Feb. 9, 1952, Serial No. 624,766. Published Nov. 4, 1952. Class 6.
- 570,881. Preparation for the Treatment of Skin Irritations. Refua, Inc., Baltimore, Md.
Filed Feb. 12, 1952, Serial No. 624,849. Published Nov. 11, 1952. Class 18.
- 570,882. Nylon Yarn. Marionette Mills, Inc., South Coatesville, Pa.
Filed Feb. 15, 1952, Serial No. 625,018. Published Nov. 18, 1952. Class 43.
- 570,883. Medical Preparation—Namely, an Intramuscular or Subcutaneous Injection of Physostigmine and Homatropine for the Relief of Muscle Spasm. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Feb. 15, 1952, Serial No. 625,031. Published Nov. 18, 1952. Class 18.
- 570,884. Spray Fluid Deodorant for Industrial Use. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,142. Published Nov. 4, 1952. Class 6.
- 570,885. Liquid Hand Soap. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,143. Published Nov. 4, 1952. Class 32.
- 570,886. Spray Fluid Deodorant for Industrial Use. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,144. Published Nov. 4, 1952. Class 6.
- 570,887. Spray Fluid Deodorant for Industrial Use. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,146. Published Oct. 28, 1952. Class 6.
- 570,888. Liquid Floor Cleaner. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,152. Published Nov. 25, 1952. Class 32.
- 570,889. Deodorizing Fluid for Use in Drip Machines for Urinals and Water Closets. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,153. Published Nov. 4, 1952. Class 6.
- 570,890. Insecticide in Liquid Form. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,163. Published Nov. 4, 1952. Class 6.
- 570,891. Deodorizing Fluid for Use in Drip Machines for Urinals and Water Closets; Deodorant Preparation in Cake Form. West Disinfecting Company, Long Island City, N. Y.
Filed Feb. 18, 1952, Serial No. 625,174. Published Nov. 4, 1952. Class 6.
- 570,892. Newspapers Issued Weekly. The Kansas City Star Company, Kansas City, Mo.
Filed Feb. 26, 1952, Serial No. 625,533. Published Nov. 25, 1952. Class 38.
- 570,893. Thermo-Plastic Adhesive for Use in Coating Wallpaper. National Starch Products Inc., New York, N. Y.
Filed Feb. 26, 1952, Serial No. 625,537. Published Nov. 25, 1952. Class 5.
- 570,894. Monthly Periodical. American Institute of Electrical Engineers, New York, N. Y.
Filed Mar. 4, 1952, Serial No. 625,876. Published Nov. 25, 1952. Class 38.
- 570,895. Ice-Cream, Ice-Cream Sandwiches—Namely, Waffles and Ice Cream and Novelties—Namely, Representations of Various Objects Made From Ice-Cream and Various Packaging. Krispy Kake Kone Company, Los Angeles, Calif.
Filed Mar. 4, 1952, Serial No. 625,910. Published Nov. 11, 1952. Class 46.
- 570,896. Wood Stains. Chadeloid Corporation, Dayton, Ohio.
Filed Mar. 5, 1952, Serial No. 625,965. Published Nov. 25, 1952. Class 16.
- 570,897. Wood Stains. Chadeloid Corporation, Dayton, Ohio.
Filed Mar. 5, 1952, Serial No. 625,966. Published Nov. 25, 1952. Class 16.
- 570,898. Looms and Weaving Machinery. Crompton & Knowles Loom Works, Worcester, Mass.
Filed Mar. 5, 1952, Serial No. 625,972. Published Nov. 11, 1952. Class 23.
- 570,899. Sewing Machines. Morse Sewing Machine and Supply Corp., New York, N. Y.
Filed Mar. 5, 1952, Serial No. 625,992. Published Oct. 14, 1952. Class 23.
- 570,900. Sterling Silver Salt and Pepper Shakers. Quaker Silver Co., Inc., North Attleboro, Mass.
Filed Mar. 8, 1952, Serial No. 626,047. Published Oct. 21, 1952. Class 28.

- 570,701. Chrome Nickel Steel Hypodermic Rustless Needles for Medical and Dental Use. Socorex Societe Anonyme, Lausanne, Switzerland.
Filed Mar. 6, 1952, Serial No. 626,058. Published Nov. 25, 1952. Class 44.
- 570,702. Printed Index Sheets Containing Classified Information To Be Placed in Directories Such as Telephone Directories. Richard Lechner Enterprises, Inc., Studio City, Calif.
Filed Mar. 7, 1952, Serial No. 626,088. Published Nov. 25, 1952. Class 38.
- 570,703. Ointment. Herman Michelson, Everett, Wash.
Filed Mar. 7, 1952, Serial No. 626,106. Published Dec. 2, 1952. Class 18.
- 570,704. Processed Wood Flour. American Colloid Company, Chicago, Ill.
Filed Mar. 8, 1952, Serial No. 626,134. Published Oct. 28, 1952. Class 1.
- 570,705. Carbon Paper, Typewriter Ribbons, Writing Ink, Ink Ribbons. A. W. Faber-Castell Pencil Co., Inc., Newark, N. J.
Filed Mar. 8, 1952, Serial No. 626,157. Published Nov. 25, 1952. Class 11.
- 570,706. Monthly Magazine. Sharp & Dobme, Incorporated, Philadelphia, Pa.
Filed Mar. 8, 1952, Serial No. 626,178. Published Nov. 25, 1952. Class 38.
- 570,707. Home Hair Wave Sets Consisting of a Bottle of Pre-Wave Lotion, Etc. James L. Younghusband, Chicago, Ill., assignor to Jacques Wollard, New York, N. Y.
Filed Mar. 8, 1952, Serial No. 626,186. Published Nov. 25, 1952. Class 44.
- 570,708. Medicinal Lotion for the Treatment of Contact Dermatitis. Benson Vogel, doing business as Vogel Laboratories, Lake Mohogan, N. Y.
Filed Mar. 10, 1952, Serial No. 626,224. Published Nov. 18, 1952. Class 18.
- 570,709. Wool and Cotton Yarns, Floss, and Thread. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed Mar. 18, 1952, Serial No. 626,618. Published Nov. 18, 1952. Class 43.
- 570,710. Roofing Shingles. The Flintkote Company, New York, N. Y.
Filed Mar. 18, 1952, Serial No. 626,621. Published Oct. 21, 1952. Class 12.
- 570,711. Preparation for the Treatment of Inflamed Gums, Toothache Drops, Etc. Albert Irving Wigler, doing business as Addison-Proctor Company, Newark, N. J.
Filed Feb. 19, 1952, Serial No. 626,719. Published Dec. 2, 1952. Class 18.
- 570,712. Duplicating Machines. Addressograph-Multi-graph Corporation, Cleveland, Ohio.
Filed Mar. 22, 1952, Serial No. 626,846. Published Oct. 21, 1952. Class 23.
- 570,713. Electric Sewing Machines and Parts Thereof. Great Eastern Equipment Corp., New York, N. Y.
Filed Mar. 22, 1952, Serial No. 626,876. Published Oct. 21, 1952. Class 23.
- 570,714. Cedar Sidewall Shakes. British Columbia Forest Products Limited, Vancouver, British Columbia, Canada.
Filed Mar. 25, 1952, Serial No. 626,976. Published Oct. 21, 1952. Class 12.
- 570,715. Internal Combustion Engines and Parts Thereof. Joseph Saydlowski, Turbomeca Bordes, France.
Priority under Sec. 44(d). French Registration No. 969, filed Jan. 21, 1952.
Filed Mar. 26, 1952, Serial No. 627,097. Published Oct. 28, 1952. Class 23.
- 570,716. Internal Combustion Engines and Parts Thereof. Joseph Saydlowski, Turbomeca Bordes, France.
Priority under Sec. 44(d). French Registration No. 962, filed Jan. 21, 1952.
Filed Mar. 26, 1952, Serial No. 627,098. Published Oct. 28, 1952. Class 23.
- 570,717. Internal Combustion Engines and Parts Thereof. Joseph Saydlowski, Turbomeca Bordes, France.
Priority under Sec. 44(d). French Registration No. 967, filed Jan. 21, 1952.
Filed Mar. 26, 1952, Serial No. 627,099. Published Oct. 28, 1952. Class 23.
- 570,718. Ladies' and Misses' Dresses, Coats, and Suits, and Separates Comprising Blouse and Skirt. Samuel Chapman Inc., New York, N. Y.
Filed Mar. 28, 1952, Serial No. 627,171. Published Nov. 25, 1952. Class 39.
- 570,719. Syringes and Needles for Use Therewith. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 31, 1952, Serial No. 627,350. Published Nov. 25, 1952. Class 44.
- 570,720. Syringes and Needles for Use Therewith. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed Mar. 31, 1952, Serial No. 627,352. Published Nov. 25, 1952. Class 44.
- 570,721. Films and Sheets Derived From Plastic Compositions Whether of Natural or Synthetic Origin. Monsanto Chemical Company, St. Louis, Mo.
Filed Apr. 14, 1952, Serial No. 627,368. Published Nov. 25, 1952. Class 1.
- 570,722. Amphetamine-Vitamin-Mineral Preparation. American Cyanamid Company, New York, N. Y.
Filed Apr. 1, 1952, Serial No. 627,371. Published Nov. 4, 1952. Class 18.
- 570,723. Finger Rings. Joseph Berland, New York, N. Y.
Filed Apr. 2, 1952, Serial No. 627,423. Published Oct. 21, 1952. Class 28.
- 570,724. Vegetable Gum. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Apr. 3, 1952, Serial No. 627,503. Published Nov. 25, 1952. Class 1.
- 570,725. Vegetable Gum. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Apr. 3, 1952, Serial No. 627,504. Published Nov. 25, 1952. Class 1.
- 570,726. Medicinal Preparation Comprising an Autonomic, Ganglionic Blocking Agent. Chilcott Laboratories, Inc., Morris Plains, N. J.
Filed Apr. 4, 1952, Serial No. 627,554. Published Nov. 11, 1952. Class 18.
- 570,727. Laxative. T. S. Coleman, Perdido, Ala.
Filed Apr. 4, 1952, Serial No. 627,555. Published Dec. 2, 1952. Class 18.
- 570,728. Sterling Silver Flatware and Hollowware. Onelda Ltd., Onelda and Sherrill, N. Y.
Filed Apr. 5, 1952, Serial No. 627,641. Published Oct. 21, 1952. Class 28.
- 570,729. Vitamin and Mineral Product in Tablet and Powder Form. National Health Aids of Baltimore, Inc., Baltimore, Md.
Filed Apr. 9, 1952, Serial No. 627,828. Published Dec. 2, 1952. Class 18.
- 570,730. Baby Chicks. Swift & Company, Chicago, Ill.
Filed Apr. 11, 1952, Serial No. 627,986. Published Nov. 25, 1952. Class 1.
- 570,731. Men's Half Hose and Ankle Socks. Harriss & Covington Hosiery Mills, High Point, N. C.
Filed Apr. 22, 1952, Serial No. 628,483. Published Nov. 25, 1952. Class 39.
- 570,732. Table Cloths, Napkins, and Furniture Scarves. Leacock & Co., Inc., New York, N. Y.
Filed June 12, 1952, Serial No. 631,107. Published Nov. 25, 1952. Class 42.

- 570,733. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co. Inc., New York, N. Y.
Filed June 19, 1952, Serial No. 631,414. Published Nov. 25, 1952. Class 42.
- 570,734. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co. Inc., New York, N. Y.
Filed June 19, 1952, Serial No. 631,415. Published Nov. 25, 1952. Class 42.
- 570,735. Lining Fabrics in the Piece of Cotton, Rayon, Silk, Protein Fibres, and Mixtures Thereof. Exclusive Linings, Inc., New York, N. Y.
Filed June 24, 1952, Serial No. 631,658. Published Nov. 25, 1952. Class 42.
- 570,736. Knitted Textile Fabrics of Mixtures of Wool and Synthetic Fibers, in the Piece. Native Laces & Textiles, Incorporated, New York, N. Y.
Filed June 25, 1952, Serial No. 631,750. Published Nov. 25, 1952. Class 42.
- 570,737. Knitted Textile Fabrics of Mixtures of Wool and Synthetic Fibers, in the Piece. Native Laces & Textiles, Incorporated, New York, N. Y.
Filed June 25, 1952, Serial No. 631,752. Published Nov. 25, 1952. Class 42.
- 570,738. Natural, Synthetic, and Reclaimed Rubbers in Sheet Form for Further Use in the Industrial Arts. Socfin Company, Limited, Kuala Lumpur, Malaya.
Filed July 18, 1952, Serial No. 632,752. Published Nov. 25, 1952. Class 1.
- 570,739. Natural, Synthetic, and Reclaimed Rubbers in Sheet Form for Further Use in the Industrial Arts. Socfin Company, Limited, Kuala Lumpur, Malaya.
Filed July 18, 1952, Serial No. 632,753. Published Nov. 25, 1952. Class 1.
- 570,740. Antacid Powder. National Package Drugs, Inc., St. Louis, Mo.
Filed Aug. 16, 1952, Serial No. 634,052. Published Dec. 2, 1952. Class 18.
- 570,741. Chocolate Candy Pieces. Rockwood & Co., Brooklyn, N. Y.
Filed Sept. 5, 1952, Serial No. 634,918. Published Nov. 25, 1952. Class 46.
- 570,742. Combination Cleaning and Self-Polishing Waxing Compound for All Finished Painted Surfaces and the Like. E. L. Williams, doing business under the name Tuwill Chemical Company, Los Angeles, Calif.
Filed Apr. 21, 1951, Serial No. 612,979. Published Nov. 18, 1952. Class 4.
- 570,743. Beer Cooling and Dispensing System, Consisting of a Pump Cooling Unit and Pipes or Tubing. Gem Refrigerator Company Incorporated, Philadelphia, Pa.
Filed May 2, 1951, Serial No. 613,404. Published Nov. 11, 1952. Class 31.
- 570,744. Therapeutic Oral Solution for Use by Dentists To Aid in Controlling Oral Infections. William M. Lawrie, doing business under the name Lawrie Laboratories, Glendale, Calif.
Filed May 3, 1951, Serial No. 613,466. Published Nov. 18, 1952. Class 18.
- 570,745. Cables With Nonmetallic Protective Covering for Concealed and Open Electric Wiring. National Electric Products Corporation, Pittsburgh, Pa.
Filed May 10, 1951, Serial No. 613,727. Published Oct. 28, 1952. Class 21.
- 570,746. Beads, Chains, Crucifix Centers, Jump Rings, Eye Pins, and Similar Parts, All Sold in Bulk to Customers for Assembly Into Finished Articles of a Religious Nature. Michael M. Arrowitz, trading and doing business under the name of Pittshire, Pittsfield, Mass.
Filed May 11, 1951, Serial No. 613,756. Published Oct. 28, 1952. Class 28.
- 570,747. Bicycles. Arnold, Schwinn & Co., Chicago, Ill.
Filed May 15, 1951, Serial No. 613,862. Published Nov. 4, 1952. Class 19.
- 570,748. Ladies' and Children's Silpa of a Textile Fabric. I. Schneerson & Sons, Inc., New York, N. Y.
Filed May 17, 1951, Serial No. 614,013. Published Nov. 18, 1952. Class 39.
- 570,749. Felt and Metal Weatherstripping for Doors and Windows, Automatic Door Bottoms (Felt Strip Set in Steel Frame, Automatically Raised and Lowered as Door Opens and Closes). Sears, Roebuck and Co., Chicago, Ill.
Filed May 19, 1951, Serial No. 614,101. Published Nov. 4, 1952. Class 12.
- 570,750. Medicated Suspension for the Treatment of Seborrheic Dermatitis of the Human Body. Abbott Laboratories, North Chicago, Ill.
Filed May 23, 1951, Serial No. 614,232. Published Nov. 18, 1952. Class 18.
- 570,751. Perfume Concentrate, Perfume, Toilet Water, Cologne, After-Shaving Lotion, Cologne in Stick Form, Lipstick, Face Powder, Face Cream, Rouge, Eyebrow Pencils, Eyelash Cream, Bath Lotion, and Deodorants. Jacob B. Gosch, Santurce, P. R.
Filed May 23, 1951, Serial No. 614,249. Published Nov. 4, 1952. Class 31.
- 570,752. Folding Machines (a Device for Fitting Successive Sheets of Unfolded Paper Stock Into a Mechanism Which Automatically Folds the Paper to a Predetermined Pattern Selected by the Operator and Stacks the Folded Paper for Removal by the Operator). A. B. Dick Company, Chicago, Ill.
Filed May 31, 1951, Serial No. 614,541. Published Sept. 9, 1952. Class 23.
- 570,753. Tomato Juice and Canned Tomatoes. Buffalo Frosted Foods, Inc., Fredonia, N. Y.
Original filed, act of 1948, Supplemental Register, June 1, 1951; amended to application, Principal Register, Sept. 11, 1951, Serial No. 614,614. Published Nov. 13, 1951. Class 46.
- 570,754. Carbon Paper Container Packs and the Carbon Paper Therein. Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y.
Filed June 2, 1951, Serial No. 614,651. Published Nov. 18, 1952. Class 11.
- 570,755. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich Incorporated, New York, N. Y.
Filed June 4, 1951, Serial No. 614,691. Published Nov. 18, 1952. Class 52.
- 570,756. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich Incorporated, New York, N. Y.
Filed June 4, 1951, Serial No. 614,693. Published Nov. 18, 1952. Class 52.
- 570,757. Cologne, Perfume, Face Powder, Skin Creams, and Lipsticks. George E. Samar, doing business as Samar Cosmetic Co., Syracuse, N. Y.
Filed June 13, 1951, Serial No. 615,137. Published Nov. 4, 1952. Class 51.
- 570,758. Underarm Deodorant. Bridgeport Brass Company, Bridgeport, Conn.
Filed June 22, 1951, Serial No. 615,534. Published Nov. 4, 1952. Class 51.
- 570,759. Dentifrice Containing Penicillin for Treatment of the Teeth. Poloris Company, Inc., Jersey City, N. J.
Filed June 22, 1951, Serial No. 615,571. Published Nov. 11, 1952. Class 18.
- 570,760. Refined, Semi-Refined, and Unrefined Oils for Fuel, Lubricating, Lighting, and Heating Purposes Including Gasoline, and Lubricating Greases. The Carter Oil Company, Tulsa, Okla.
Filed June 26, 1951, Serial No. 615,688. Published Nov. 11, 1952. Class 15.

- 570,701. Refined, Semi-Refined, and Unrefined Oils for Fuel, Lubricating, Lighting, and Heating Purposes Including Gasoline, and Lubricating Greases. The Carter Oil Company, Tulsa, Okla.
Filed June 26, 1951, Serial No. 615,689. Published Nov. 11, 1952. Class 15.
- 570,702. Pharmaceutical Preparation, Consisting of an Ointment Containing Juice From the Leaves of the Aloe Vera Plant, Etc. Beale G. Easton, Hamden, Conn.
Filed July 2, 1951, Serial No. 615,975. Published Nov. 11, 1952. Class 18.
- 570,703. Machines for Producing Metal Forgings Wherein That Portion of the Metal Stock To Be Forged Is Heated Electrically; and Parts of Such Machines. Omes Limited, London, England.
Filed July 3, 1951, Serial No. 616,046. Published Sept. 9, 1952. Class 23.
- 570,704. Composition of Glycocyamine and a Methylating Agent Such as Betaine Hydrate, in Liquid Form Useful in the Treatment of Muscular Deficiencies. International Minerals & Chemical Corporation, Chicago, Ill.
Filed July 3, 1951, Serial No. 616,102. Published Nov. 18, 1952. Class 18.
- 570,705. Preparation Containing Vitamins, Choline, Inositol, Methionine, Rutin, and Iodine for Use as a Dietary Supplement. Makers of Kal, Inc., Los Angeles, Calif.
Filed Apr. 14, 1952, Serial No. 628,044. Published Nov. 11, 1952. Class 18.
- 570,706. Universal Joints. Republic Gear Company, Detroit, Mich.
Filed Apr. 14, 1952, Serial No. 628,052. Published Nov. 11, 1952. Class 23.
- 570,707. Clocks. Brown & Bigelow, St. Paul, Minn.
Filed Apr. 16, 1952, Serial No. 628,140. Published Oct. 21, 1952. Class 27.
- 570,708. Seed Dressing Agents. Farbwerke Hoechst, vormals Meister Lucius & Brüning, Frankfurt-on-the-Main-Hochst, Germany.
Filed Apr. 16, 1952, Serial No. 628,149. Published Oct. 28, 1952. Class 6.
- 570,709. Defoamers for Breaking Foam in Paper Making and Other Industrial Processes. Hercules Powder Company, Wilmington, Del.
Filed Apr. 17, 1952, Serial No. 628,204. Published Oct. 28, 1952. Class 6.
- 570,770. Defoamers for Breaking Foam in Paper Making and Other Industrial Processes. Hercules Powder Company, Wilmington, Del.
Filed Apr. 17, 1952, Serial No. 628,205. Published Oct. 28, 1952. Class 6.
- 570,771. Enteric Bacteriostat Consisting of a Suspension of Phthalyl Sulfacetamide. Abbott Laboratories, North Chicago, Ill.
Filed Apr. 18, 1952, Serial No. 628,245. Published Nov. 11, 1952. Class 18.
- 570,772. Knives, Forks, Spoons, Butter Spreaders, Gravy Ladles, and Pastry Servers, All Made Partly or Wholly of Silver. Advance Aluminum Castings Corp., Chicago, Ill.
Filed Apr. 18, 1952, Serial No. 628,246. Published Oct. 21, 1952. Class 28.
- 570,773. Dyes. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany.
Filed Apr. 18, 1952, Serial No. 628,264. Published Oct. 28, 1952. Class 6.
- 570,774. Dyes and Dyestuffs. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany.
Filed Apr. 18, 1952, Serial No. 628,265. Published Oct. 28, 1952. Class 6.
- 570,775. Medical Preparation for the Relief of Neuralgia and Headaches. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany.
Filed Apr. 18, 1952, Serial No. 628,267. Published Nov. 18, 1952. Class 18.
- 570,776. Dyes and Dyestuffs. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany.
Filed Apr. 18, 1952, Serial No. 628,268. Published Oct. 28, 1952. Class 6.
- 570,777. Bags Used in Connection With Defecating and Dry Bathing of Peta. Mildred C. Orchard, doing business under the fictitious name and style of Bully Bag Company, San Francisco, Calif.
Filed Apr. 18, 1952, Serial No. 628,289. Published Nov. 18, 1952. Class 3.
- 570,778. Coin-Controlled, Mechanical Horse Amusement Device. Bally Manufacturing Company, Chicago, Ill.
Filed Apr. 19, 1952, Serial No. 628,342. Published Nov. 18, 1952. Class 22.
- 570,779. Pulverized Foundry Facing Formula for Use on Cores and Molds in Grey Iron Casting Practice. The Wickes Corporation, Saginaw, Mich.
Filed Apr. 19, 1952, Serial No. 628,380. Published Nov. 25, 1952. Class 1.
- 570,780. Dolls. Imperial Crown Toy Corp., Brooklyn, N. Y.
Filed Apr. 21, 1952, Serial No. 628,404. Published Nov. 18, 1952. Class 22.
- 570,781. Base Metal Table Cutlery—Namely, Knives, Forks, and Spoons. National Silver Company, New York, N. Y.
Filed Apr. 21, 1952, Serial No. 628,422. Published Nov. 18, 1952. Class 23.
- 570,782. Chemicals and Chemical Compositions—Namely, Sodium Chloride; Etc. Columbia-Southern Chemical Corporation, Pittsburgh, Pa.
Filed Apr. 22, 1952, Serial No. 628,470. Published Nov. 4, 1952. Class 6.
- 570,783. Chemicals and Chemical Compositions—Namely, Sodium Chloride; Etc. Columbia-Southern Chemical Corporation, Pittsburgh, Pa.
Filed Apr. 22, 1952, Serial No. 628,471. Published Oct. 28, 1952. Class 6.
- 570,784. Diamond Rings and Mountings Therefor. Alfred E. Land, Bluefield, W. Va.
Filed Apr. 23, 1952, Serial No. 628,543. Published Oct. 21, 1952. Class 28.
- 570,785. Men's and Ladies' Overcoats, Topcoats, and Sweaters and Cardigans; Ladies' Dresses, and Men's Hosiery. Bernhard Altmann, New York, N. Y., assignor to The Bernhard Altmann Texas Corporation, San Antonio, Tex., a corporation of Delaware.
Filed May 1, 1952, Serial No. 628,982. Published Nov. 18, 1952. Class 39.
- 570,786. Periodically Published Newspaper. Amateur Softball Association of America, Newark, N. J.
Filed May 1, 1952, Serial No. 628,986. Published Nov. 25, 1952. Class 38.
- 570,787. Medical Preparation—Namely, Tablets of Theophylline Sodium Glycinate, Mannitol Hexanitrate and Phenobarbital for Treatment of Atherosclerosis. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed May 1, 1952, Serial No. 629,040. Published Nov. 25, 1952. Class 18.
- 570,788. Feature Articles in a Periodical. The Reader's Digest Association, Inc., Pleasantville, N. Y.
Filed May 1, 1952, Serial No. 629,054. Published Nov. 25, 1952. Class 38.
- 570,789. Feature Articles in a Periodical. The Reader's Digest Association, Inc., Pleasantville, N. Y.
Filed May 1, 1952, Serial No. 629,056. Published Nov. 25, 1952. Class 38.

- 570,790. Liquid Cooling Towers and Parts Thereof. The Marley Company, Inc., Kansas City, Mo.
Filed May 6, 1952, Serial No. 629,211. Published Nov. 4, 1952. Class 31.
- 570,791. Interior Wall Paint. The H. B. Davis Company, Baltimore, Md.
Filed May 6, 1952, Serial No. 629,233. Published Nov. 25, 1952. Class 16.
- 570,792. Pharmaceutical Preparation in Tablet Form for Use as an Appetite Curber Through Its Anorectic Action. Reed & Carnrick, Jersey City, N. J.
Filed May 7, 1952, Serial No. 629,320. Published Nov. 25, 1952. Class 18.
- 570,793. Pharmaceutical Preparation in Tablet Form for Use in Effecting Spasmolysis, Analgesia, and Sedation in the Symptomatic Relief of Muscle Spasm and Pain. Reed & Carnrick, Jersey City, N. J.
Filed May 7, 1952, Serial No. 629,321. Published Nov. 25, 1952. Class 18.
- 570,794. Electric Refrigerator Storage Drawers. Sears, Roebuck and Co., Chicago, Ill.
Filed May 7, 1952, Serial No. 629,327. Published Nov. 18, 1952. Class 31.
- 570,795. Paper Dishes. Sutherland Paper Company, Kalamazoo, Mich.
Filed May 7, 1952, Serial No. 629,331. Published Nov. 25, 1952. Class 2.
- 570,796. Men's Suits and Overcoats; Men's Underwear Shorts and Undershirts; Men's Shoes, Slippers, and Loafers of Leather, Fabric, and Combinations Thereof, and With Leather or Rubber Soles. National Bellas Hess, Inc., North Kansas City, Mo.
Filed May 9, 1952, Serial No. 629,449. Published Nov. 18, 1952. Class 39.
- 570,797. Solid Vaporizable Insecticides for Household Use. Koppers Company, Inc., Pittsburgh, Pa.
Filed May 15, 1952, Serial No. 629,736. Published Nov. 11, 1952. Class 6.
- 570,798. Antispasmodics. Warner-Hudnut, Inc., New York, N. Y.
Filed May 15, 1952, Serial No. 629,756. Published Nov. 11, 1952. Class 18.
- 570,799. Preparations in Cream, Liquid, Paste, and Wax Form, for Coloring, Dressing, Dyeing, Preserving, Softening, and Staining Shoes, Boots, Leather, and Leather Articles. Griffin Manufacturing Co., Inc., Brooklyn, N. Y.
Filed May 16, 1952, Serial No. 629,795. Published Nov. 25, 1952. Class 6.
- 570,800. Utility Gloves Made of Treated Fabric. Edmont Manufacturing Company, Coshocton, Ohio.
Filed May 19, 1952, Serial No. 629,891. Published Nov. 18, 1952. Class 39.
- 570,801. Merchandise Envelopes and Bags. Shellmar Products Corporation, Chicago, Ill.
Filed May 21, 1952, Serial No. 630,038. Published Nov. 25, 1952. Class 2.
- 570,802. Local Anesthetic. Abbott Laboratories, North Chicago, Ill.
Filed May 23, 1952, Serial No. 630,108. Published Nov. 11, 1952. Class 18.
- 570,803. Net Ribbon. French Textile Company, New York, N. Y.
Filed May 24, 1952, Serial No. 630,190. Published Nov. 25, 1952. Class 42.
- 570,804. Packaged Ingredient Mixture Used in Preparing Waffles, Cakes, and Pancakes. The Butereg Company, doing business as Glibbons Food Products Company, Kansas City, Mo.
Filed May 26, 1952, Serial No. 630,250. Published Nov. 11, 1952. Class 40.
- 570,805. Liquid Cooling Towers and Parts Thereof. The Marley Company, Inc., Kansas City, Mo.
Filed May 26, 1952, Serial No. 630,277. Published Nov. 18, 1952. Class 31.
- 570,806. Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-ins, Panties, and Hosiery. Seamprufe Incorporated, New York, N. Y.
Filed May 28, 1952, Serial No. 630,452. Published Nov. 18, 1952. Class 39.
- 570,807. Ladies' Foundation Garments—Namely, Girdles. Steinsberg Bros., New York, N. Y.
Filed May 29, 1952, Serial No. 630,521. Published Nov. 18, 1952. Class 39.
- 570,808. Sales Promotion Coupons. August P. Zorn, doing business as The Golden Treasure Coupon Co., Cincinnati, Ohio.
Filed May 2, 1952, Serial No. 630,694. Published Nov. 25, 1952. Class 38.
- 570,809. Cotton Carpeting. E. T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga.
Filed June 6, 1952, Serial No. 630,824. Published Nov. 25, 1952. Class 42.
- 570,810. Knitted Fabric in the Piece Made of Cotton, Wool, and Synthetic Fibers for Use in Producing Garments for Women—Namely, Dresses, Blouses, Skirts, and Sweaters. I. A. Wyner & Co. Inc., New York, N. Y.
Filed June 7, 1952, Serial No. 630,915. Published Nov. 25, 1952. Class 42.

Service Marks

- 570,811. Lubricating Automobiles and Other Motor Vehicles. Union Oil Company of California, Los Angeles, Calif.
Filed Sept. 22, 1947, Serial No. 535,275. Published Oct. 28, 1952. Class 103.
- 570,812. Food Catering Service. The O. P. Baur Confectionery Company, Denver, Colo.
Filed Mar. 1, 1948, Serial No. 550,890. Published Nov. 18, 1952. Class 100.
- 570,813. Entertainment Service—Namely, the Presentation of Marionettes or Marionette Shows, Through the Medium of Television. Robert E. Smith, New York, N. Y., assignor to Kagan Corporation, New York, N. Y., a corporation of New York.
Filed Apr. 15, 1948, Serial No. 554,727. Published Jan. 9, 1951. Class 107.
- 570,814. Treating Susceptive Lymphoid Tissue Affecting Hearing by Chiropractic Methods in an Attempt To Promote Normal Hearing. Drs. Rogers and LaMance, San Angelo, Tex.
Filed Feb. 25, 1949, Serial No. 574,877. Published Nov. 11, 1952. Class 100.
- 570,815. Treating Tonsils by Chiropractic Methods in an Attempt To Promote the Normal Functions Thereof. Drs. Rogers and LaMance, San Angelo, Tex.
Filed Feb. 25, 1949, Serial No. 574,878. Published Nov. 11, 1952. Class 100.
- 570,816. Underwriting of Fire, Windstorm, Aircraft, Motor Vehicle, Property Damage, Automobile, Explosion, Property Floater, and Sprinkler Leakage Insurance. Hardware Mutual Insurance Company of Minnesota, Minneapolis, Minn.
Filed Feb. 27, 1950, Serial No. 593,117. Published Nov. 25, 1952. Class 102.
- 570,817. Disseminating Information to Educators Respecting the Importance of and the Methods To Employ in Teaching Children of Elementary School Age the Constructive Potentialities of Atomic Energy. Mr. Atom Associates, Los Angeles, Calif.
Filed July 31, 1950, Serial No. 601,504. Published Nov. 11, 1952. Class 100.
- 570,818. Disseminating Information to Educators Respecting the Importance of and the Methods To Employ in Teaching Children of Elementary School Age the Constructive Potentialities of Atomic Energy. Mr. Atom Associates, Los Angeles, Calif.
Filed July 31, 1950, Serial No. 601,505. Published Nov. 11, 1952. Class 100.

- 570,819. Entertainment Services in the Nature of a Series of Television Cartoon Programs. Bremer Broadcasting Corporation, Newark, N. J. Filed Sept. 1, 1950, Serial No. 603,042. Published Nov. 25, 1952. Class 107.
- 570,820. Mechanical, Electrical, Chemical, and Architectural Engineering Services. The Kuljian Corporation, Philadelphia, Pa. Filed Sept. 7, 1950, Serial No. 603,244. Published Nov. 25, 1952. Class 100.
- 570,821. Services Rendered to Automobiles, Trucks, and Other Automotive Vehicles—Namely, Lubrication, Etc. Phillips Petroleum Company, Bartlesville, Okla. Filed Oct. 27, 1950, Serial No. 605,490. Published Nov. 4, 1952. Class 103.
- 570,822. Information Service—Namely, Advising Persons Where To Locate All Kinds of Merchandise, Giving the Exact Names, Addresses, and Telephone Numbers of Sellers for Such Goods as They Desire. The Reuben H. Donnelley Corporation, Chicago, Ill. Filed Nov. 1, 1950, Serial No. 605,732. Published Nov. 25, 1952. Class 100.
- 570,823. Advertising the Goods and Services of Sponsors Through a Series of Lectures on Cooking and the Preparation of Food, Presented in Theatres and on Radio and Television Broadcast Programs. George S. McInnis, South Norwalk, Conn. Filed Jan. 4, 1951, Serial No. 608,387. Published Nov. 11, 1952. Class 101.
- 570,824. Electrical Construction Services. Harry F. Ortlip Company, Philadelphia, Pa. Filed Feb. 24, 1951, Serial No. 610,498. Published Nov. 25, 1952. Class 103.
- 570,825. Advertising the Goods of Others, Which Goods Comprise Men's Work Clothes and Sportswear, Through the Medium of Shows and Exhibitions Promoted Periodically in Different Cities of Different States. Work Clothes & Sportswear Show, Inc., Yonkers, N. Y. Filed Mar. 8, 1951, Serial No. 611,054. Published Nov. 25, 1952. Class 101.
- 570,826. Recording Shower and Wedding Gifts for Bride-Elects, Etc. Bridgester, Inc., Milwaukee, Wis. Filed Apr. 6, 1951, Serial No. 612,299. Published Nov. 25, 1952. Class 101.

- 570,827. Entertainment Service in the Nature of a Television Broadcast Program Consisting of Bowling Exhibitions by Leading Bowlers and Bowling Tricks Attempted by Members of the Audience. Fred Wolf, Detroit, Mich. Filed Aug. 15, 1951, Serial No. 618,269. Published Nov. 11, 1952. Class 107.
- 570,828. Entertainment Services in the Nature of a Children's Television Program. Westhelmer and Block, St. Louis, Mo. Filed Sept. 20, 1951, Serial No. 619,047. Published Nov. 25, 1952. Class 107.
- 570,829. Chemically Treating Lumber, Wood, Plywood, and Veneer To Protect the Same Against Decay, Mildew, Fungus, Insects, and the Ignition and Spread of Fire. Protexol Corporation, Kenilworth, N. J. Filed Nov. 1, 1951, Serial No. 620,789. Published Nov. 18, 1952. Class 106.
- 570,830. Waterproofing and Caulking Building Structures, Masonry Restoration and Cleaning, Concrete Restoration, Etc. The Grenadier Corporation, New York, N. Y. Filed Jan. 26, 1952, Serial No. 624,134. Published Nov. 18, 1952. Class 103.
- 570,831. Textile Printing. Hand Prints, Inc., Wappingers Falls, N. Y. Filed Feb. 5, 1952, Serial No. 624,538. Published Nov. 18, 1952. Class 106.

Collective Marks

- 570,832. Organizing Chapters in a National Honorary Fraternity in History; Maintaining Membership Therein, Furthering the Civic and Educational Ideals Thereof, Stimulating a Continuing Interest in the Study of History. Phi Alpha Theta, Allentown, Pa. Filed Oct. 3, 1950, Serial No. 604,382. Published Nov. 25, 1952. Class 100.
- 570,833. Promoting the Mental, Moral, and Religious Improvement, Social Enjoyment, Etc. Alpha Delta Pi, Kansas City, Mo. Filed Nov. 29, 1950, Serial No. 607,064. Published Nov. 25, 1952. Class 100.
- 570,834. Lumber, Millwork, and Lath. Western Pine Association, Portland, Ore. Filed Dec. 6, 1951, Serial No. 622,185. Published Dec. 2, 1952. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

- 570,835. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Essick Manufacturing Company, Los Angeles, Calif. Original filed, act of 1905, Oct. 10, 1945; amended to application under act of 1946, Principal Register, Aug. 23, 1948; amended to Supplemental Register, Dec. 20, 1951, Serial No. 489,726.
- 570,836. (Class 36. Musical Instruments and Supplies.) Central Commercial Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 20, 1948; amended to application, Supplemental Register, Aug. 21, 1951, Serial No. 570,835.

**ONE
SACKER**

For Concrete Mixers.
Claims use since on or about July 26, 1943.

ORGANO

For Portable Electric Control Board Attachment to the Keyboards of Pianos, Organs, and Similar Musical Keyboard Instruments for Producing Sustained Organ Tones.
Claims use since on or about Nov. 1, 1948.

- 570,837. (Class 48. Malt Beverages and Liquors.) A. Gettelman Brewing Company, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Aug. 27, 1949; amended to application, Supplemental Register, July 19, 1951, Serial No. 584,184.

PIK-UP-SIX

For Beer in Packaged Containers.
Claims use since Aug. 12, 1949.

- 570,838. (Class 47. Wines.) Andrea Broels, doing business under the trade name Dinnerwine Company, New York, N. Y. Original filed, act of 1940, Principal Register, Dec. 10, 1949; amended to application, Supplemental Register, Dec. 11, 1952, Serial No. 589,433.

DINNAWINE

For Table Wines.
Claims use since Sept. 1, 1949.

- 570,839. (Class 36. Musical Instruments and Supplies.) Wm. R. Grats Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 6, 1950; amended to application, Supplemental Register, Dec. 26, 1952, Serial No. 593,487.

Kohlert & Co.

Applicant claims ownership of Registration No. 354,752. For Wood Wind and Metal Wind Instruments—Namely, Clarinets, Alto Clarinets, Bass Clarinets, Flutes, Piccolos, English Horns, Oboes, Saxophones, and Bassoons.
Claims use since June 9, 1949.

- 570,840. (Class 29. Brooms, Brushes, and Dusters.) Hanlon & Goodman Co., Belleville, N. J. Original filed, act of 1940, Principal Register, Oct. 6, 1950; amended to application, Supplemental Register, Oct. 31, 1952, Serial No. 604,531.

NU-SET

For Paint Brushes.
Claims use since December 1949.

- 570,841. (Class 45. Soft Drinks and Carbonated Waters.) Charles M. Richter, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 13, 1950; amended to application, Supplemental Register, June 7, 1952, Serial No. 606,326.

**MAKE-UP-OWN
KOLA**

For Powders Used in the Preparation of Non-Alcoholic Maltless Cola-Flavored Soft Drinks.
Claims use since Oct. 30, 1950.

- 570,842. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Butler Brothers, Chicago, Ill. Original filed, act of 1946, Principal Register, May 19, 1951; amended to application, Supplemental Register, Mar. 12, 1952, Serial No. 614,079.

style twist

For Cotton Broadloom Rugs.
Claims use since February 1951.

- 570,843. (Class 39. Clothing.) Weisman Brothers Lingerie Corp., New York, N. Y. Original filed, act of 1940, Principal Register, May 31, 1951; amended to application, Supplemental Register, June 19, 1952, Serial No. 614,595.

PAK-A-ROBE

For Robes and Dressing Gowns.
Claims use since May 9, 1951.

- 570,844. (Class 45. Soft Drinks and Carbonated Waters.) Victoria Pappas, doing business under the name The Almonectar Company, New York, N. Y. Original filed, act of 1940, Principal Register, July 6, 1951; amended to application, Supplemental Register, June 1, 1952, Serial No. 616,187.

ALMONECTAR

For Non-Alcoholic Maltless Soft Drinks.
Claims use since May 24, 1951.

- 570,845. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) A. D. Julliard & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 14, 1951; amended to application, Supplemental Register, Apr. 18, 1952, Serial No. 616,491.

LAMBKIN

For Woolen Piece Goods.
Claims use since May 25, 1950.

- 570,846. (Class 48. Malt Beverages and Liquors.) The Standard Brewing Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Oct. 9, 1951; amended to application, Supplemental Register, Dec. 1, 1952, Serial No. 619,773.

ERIN BREW

No exclusive claim is made to the word "Brew" apart from the mark shown on the drawing. Applicant claims ownership of Registration No. 390,491.
For Beer.
Claims use since Sept. 19, 1953.

570,847. (Class 16. Protective and Decorative Coatings.) Mauts Paint & Varnish Company, Madison, Wis. Original filed, act of 1946, Principal Register, Sept. 8, 1951; amended to application, Supplemental Register, July 17, 1952, Serial No. 620,288.

RUBBER SATIN

For Rubber Base Paint.
Claims use since June 1, 1951.

570,848. (Class 38. Prints and Publications.) Haire Publishing Company, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 30, 1951; amended to application, Supplemental Register, Nov. 19, 1952, Serial No. 620,672.

Giftwares

Applicant claims ownership of Registration No. 546,153. For Monthly Magazine.
Claims use since Oct. 1, 1951.

570,849. (Class 22. Games, Toys, and Sporting Goods.) Ralph W. Delmler, doing business as Sta-Baited Hook Company, Topeka, Kans. Original filed, act of 1946, Principal Register, Dec. 6, 1951; amended to application, Supplemental Register, Aug. 1, 1952, Serial No. 622,145.

STA-BAITED

For Soft Bait Hooks.
Claims use since Feb. 1, 1949.

570,850. (Class 46. Distilled Alcoholic Liquors.) Sunset Incorporated, doing business as Webster Distilled Products Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 12, 1951; amended to application, Supplemental Register, Dec. 3, 1952, Serial No. 622,419.

J.O. Mills

The name "J. O. Mills" is fictitious and is not known to be the name of any person living or dead.
For Bourbon Whiskey.
Claims use since Nov. 27, 1951.

TRADE-MARK REGISTRATIONS RENEWED

39,607. "THE FIRST WAX-MAKER" AND DRAWING. Registered Dec. 30, 1902. George Waterston & Sons. Re-renewed Dec. 30, 1952, to George Waterston & Sons Limited, Edinburgh, Scotland, a corporation organized under the laws of Great Britain. Sealing-Wax. Class 5.
40,248. "PINEOLEUM" AND DESIGN. Registered May 3, 1903. The Pineoleum Manufacturing Company, New York, N. Y. Re-renewed May 3, 1953, to Baybank Drug Co., Inc., Richmond Hill, N. Y., a corporation of New York. Catarrhal Remedies. Class 18.
59,086. SENELITH. Registered Nov. 12, 1912. Lewis Bechtold. Re-renewed Nov. 12, 1952, to The Senefelder Company, Inc., New York, N. Y., a corporation of New York. Lithographing-Stones. Class 30.
80,292. P & M. Registered Dec. 3, 1912. The P. & M. Co. Re-renewed Dec. 3, 1952, to Poor & Company, Chicago, Ill., a corporation of Delaware. Metal Rail-Anchors, Anticreepers, Tie-Plate, Etc. Class 14.

570,851. (Class 45. Soft Drinks and Carbonated Waters.) Chocolate Products Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 11, 1952; amended to application, Supplemental Register, Nov. 14, 1952, Serial No. 623,452.

AGNOG

For Syrups, Extracts, and Concentrates for Making Non-Alcoholic, Maltless Soft Drinks.
Claims use since Jan. 2, 1951.

570,852. (Class 16. Protective and Decorative Coatings.) Kurfees Paint Company, Louisville, Ky. Filed May 22, 1952, Serial No. 630,084.

SE-MENT-SEAL

For Prepared or Ready-Mixed Liquid Paints for Cement, Concrete, Stucco, and Masonry Surfaces.
Claims use since July 1, 1924.

Service Mark

570,853. (Class 101. Advertising and Business.) National Promotion Associates, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, July 24, 1948; amended to application, Supplemental Register, Nov. 4, 1952, Serial No. 562,146.

Lucky Seats

For Services To Promote the Sale of Theatre Tickets in Motion Picture Theatres and Similar Places of Assembly of Seated People Whereby Chance Selection Is Made of One or More Seats so That a Prize May Be Given to the Occupant Thereof.
Claims use since Apr. 20, 1948.

Collective Mark

570,854. (Class 46. Foods and Ingredients of Foods.) Klamath Potato Growers Association, Klamath Falls, Oreg. Original filed, act of 1946, Principal Register, Apr. 28, 1950; amended to application, Supplemental Register, Feb. 8, 1952, Serial No. 598,497.

KLAMATH

For Raw Potatoes.
Claims use since Mar. 24, 1950.

91,372. PRESCO. Registered Apr. 29, 1913. The Preservalline Manufacturing Co., Brooklyn, N. Y. Re-renewed Apr. 29, 1953, to Preservalline Manufacturing Company, Flemington, N. J., a corporation of New York. Ice Cream Powders, Spices and Thickeners, Binders, Fillers and Absorbents Used in Food Products. Class 46.

91,380. OCCIDENT. Registered Apr. 29, 1913. Russell-Miller Milling Company. Re-renewed Apr. 29, 1953, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware. Flour. Class 46.

206,812. TRU-SHADE. Registered Aug. 23, 1932. Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts. Renewed Aug. 23, 1952. Mechanical Dye Kettle for Use in Dyeing Cloth and the Like. Class 23.

297,315. REPRESENTATION OF RED CAN WITH ORANGE BAND. Registered Sept. 13, 1932. National Carbide Corporation, Wytheville, Va., New York, N. Y., and Ivanhoe, Va. Renewed Sept. 13, 1952, to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York. Calcium Carbide. Class 6.

297,703. MEDAL OF HONOR. Registered Sept. 27, 1932. Santa Clara Valley Fruit Exchange, San Jose, Calif., a corporation of California. Renewed Sept. 27, 1952. Fresh Cherries. Class 46.

298,875. "FROM EVERGREEN TO EVERGREEN" AND DESIGN. Registered Nov. 8, 1932. Hoberg Paper & Fibre Company. Renewed Nov. 8, 1952, to Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin. Toilet Paper, Paper Towels, and Paper Napkins. Class 37.

298,877. "EVERGREEN" AND DRAWING. Registered Nov. 8, 1932. Hoberg Paper & Fibre Company. Renewed Nov. 8, 1952, to Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin. Toilet Paper, Paper Towels, and Paper Napkins. Class 37.

298,878. "SANISORB" AND DRAWING. Registered Nov. 8, 1932. Hoberg Paper & Fibre Company. Renewed Nov. 8, 1952, to Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin. Toilet Paper. Class 37.

298,930. "FULL PAK" AND DESIGN LINED FOR GREEN, RED, AND PURPLE. Registered Nov. 15, 1932. Arrow Packing Company, Exeter, Calif., a corporation of California. Renewed Nov. 15, 1952. Fresh Grapes. Class 46.

298,973. DUROLITE. Registered Nov. 15, 1932. Duro Metal Products Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 15, 1952. Screw Drivers. Class 23.

298,980. "GENUINE LONG ISLAND DUCKLINGS" ETC. AND DESIGN. Registered Nov. 15, 1932. Carman River Duck Farm, Brookhaven, N. Y., a firm. Renewed Nov. 15, 1952. Live and Dressed Ducks. Class 46.

299,200. SAFE-GARD. Registered Nov. 22, 1932. The Cincinnati Soap Company, Cincinnati, Ohio. Renewed Nov. 22, 1952, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio. Toilet Soaps. Class 52.

299,320. "SHASTETTE." Registered Nov. 29, 1932. The Wooster Brush Company, Wooster, Ohio, a corporation of Ohio. Renewed Nov. 29, 1952. Paint and Varnish Brushes. Class 29.

299,485. CAMPBELL'S. Registered Dec. 6, 1932. Campbell Soup Company, Camden, N. J., a corporation of New Jersey. Renewed Dec. 6, 1952. Canned Tomato Juice. Class 46.

299,724. CHRISTIAN ADVOCATE. Registered Dec. 20, 1932. Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South, doing business as Cokesbury Press. Renewed Dec. 20, 1952, to Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn., a corporation of Tennessee. Religious Periodical. Class 38.

300,399. "F M" AND DRAWING. Registered Jan. 17, 1933. Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 17, 1953. Internal Combustion Engines, Pumps, Pumping Plants, Windmills, and Feed Grinders. Class 23.

300,400. "FAMOS" AND DESIGN. Registered Jan. 17, 1933. Fred Kassekert, Greenwich, Conn. Renewed Jan. 17, 1953, to Club Razor & Blade Mfg. Corp., Newark, N. J., a corporation of New Jersey. Razor Blades. Class 23.

300,407. RADIO. Registered Jan. 17, 1933. The Esterbrook Steel Pen Manufacturing Company. Renewed Jan. 17, 1953, to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey. Writing Pens of All Kinds. Class 37.

300,461. ARTEX. Registered Jan. 24, 1933. The American Oil Company, Baltimore, Md., a corporation of Maryland. Renewed Jan. 24, 1953. Petroleum Solvent and Cleaning Naphtha—Namely, a Dry Cleaner. Class 52.

300,594. ARTEX. Registered Jan. 24, 1933. The American Oil Company, Baltimore, Md., a corporation of Maryland. Renewed Jan. 24, 1953. Insecticide, Disinfectant, and Deodorant. Class 6.

300,649. "F M" AND DRAWING. Registered Jan. 31, 1933. Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois. Renewed Jan. 31, 1953. Generators, Motors, Domestic Lighting Plants, and Magnetos. Class 21.

300,863. GOODERHAM AND WORTS SPECIAL. Registered Feb. 14, 1933. Gooderham & Worts Ltd., Toronto, Ontario, Canada. Renewed Feb. 14, 1953, to Gooderham & Worts Limited, Detroit, Mich., a corporation of Delaware. Whisky. Class 49.

300,924. LINOCREX. Registered Feb. 14, 1933. A. C. Horn Company. Renewed Feb. 14, 1953, to Sun Chemical Corporation, Long Island City, N. Y., a corporation of Delaware. Varnish Compound for the Preservation of Linoleum. Class 16.

301,007. TRUMP. Registered Feb. 14, 1933. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Feb. 14, 1953. Toilet Paper, Paper Towels, Paper Napkins, and Crepe Paper. Class 37.

301,314. SEMINAP. Registered Feb. 28, 1933. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Feb. 28, 1953. Paper Napkins. Class 37.

301,335. VITA-SICLE. Registered Feb. 28, 1933. The Popsicle Corporation of the United States. Renewed Feb. 28, 1953, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Frozen Confections. Class 46.

301,881. EDISON. Registered Mar. 21, 1933. Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Renewed Mar. 21, 1953. Storage Batteries. Class 21.

301,903. PEERLESS. Registered Mar. 21, 1933. John Mulhern Co., San Francisco, Calif., a corporation of California. Renewed Mar. 21, 1953. Syrups for Food Flavoring Purposes and Fruit Juices for Food Flavoring Purposes. Class 46.

301,963. PACK-O-BACK. Registered Mar. 21, 1933. The Columbus Dental Manufacturing Co., Columbus, Ohio, a corporation of Ohio. Renewed Mar. 21, 1953. Display and Shipping Cards for Backings for Artificial Teeth. Class 2.

302,016. "PIONEER ASBESTOS" AND DESIGN. Registered Mar. 21, 1933. Floyd R. Biggs, doing business as Pioneer Asbestos Company. Renewed Mar. 21, 1953, to Pioneer Brake Lining Company, St. Louis, Mo., a corporation of Missouri. Brake-Linings. Class 35.

302,243. QUIET MAY. Registered Apr. 4, 1933. May Oil Burner Corporation. Renewed Apr. 4, 1953, to May Fuel Oil Corporation, Baltimore, Md., a corporation of Maryland. Heating Furnace Fuel Oils. Class 15.

302,244. **ECON-O-MAY.** Registered Apr. 4, 1933. May Oil Burner Corporation. Renewed Apr. 4, 1953, to May Fuel Oil Corporation, Baltimore, Md., a corporation of Maryland. Heating Furnace Fuel Oils. Class 15.

302,331. **GABERTEX.** Registered Apr. 11, 1933. William L. Barrell Company, New York, N. Y., a corporation of Maine. Renewed Apr. 11, 1953. Cotton Piece Goods. Class 42.

302,374. **HANDIPAK.** Registered Apr. 18, 1933. The Egy Register Company, Dayton, Ohio, a corporation of Ohio. Renewed Apr. 18, 1953. Autographic Registers and Paper Fillers Therefor. Class 37.

302,694. **PETE THE TRAMP.** Registered Apr. 25, 1933. King Features Syndicate, Inc. Renewed Apr. 25, 1953, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Series of Cartoon Strips. Class 38.

302,751. **ROUGHIES.** Registered Apr. 25, 1933. The Juvenile Shoe Corporation of America, Aurora and St. Louis, Mo. Renewed Apr. 25, 1953, to The Juvenile Shoe Corporation of America, Aurora, Mo., a corporation of Missouri. Shoes and Slippers of Leather or Kid. Class 39.

302,755. **OKAY.** Registered Apr. 25, 1933. American Hard Rubber Company, Hempstead and New York, N. Y. Renewed Apr. 25, 1953, to American Hard Rubber Company, New York, N. Y., a corporation of New York. Hard Rubber Combs for Dressing and Cleaning the Hair. Class 40.

302,843. **H. H.** Registered May 2, 1933. The Columbus Dental Manufacturing Co., Columbus, Ohio, a corporation of Ohio. Renewed May 2, 1953. Tooth Backings. Class 44.

302,856. **AMBRÖSIA.** Registered May 2, 1933. Hlnze Ambrosia, Inc., New York, N. Y., a corporation of New York. Renewed May 2, 1953. Face and Skin Creams. Class 51.

302,899. **COUNTESS MARITZA.** Registered May 2, 1933. Paris Laboratories, Inc. Renewed May 2, 1953, to Countess Maritza Cosmetic Co. Inc., New York, N. Y., a corporation of New York. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Etc. Class 51.

302,918. **OLLENDORFF.** Registered May 2, 1933. I. Ollendorff Co., Inc. Renewed May 2, 1953, to Ollendorff Watch Co. Inc., New York, N. Y., a corporation of New York. Watch Bracelets, Fobs and Chains, Pins, Necklaces, Etc. Class 28.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

180,873. **MAID OF THE FOREST.** Registered Mar. 11, 1924. Fort Howard Paper Company, Green Bay, Wis. Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths. Class 37. The drawing is hereby amended to appear as follows:

**MAID
OF THE
FOREST**

300,852. **VITALLIUM.** Registered Feb. 14, 1933. Anstet Laboratories, Inc., New York, N. Y. Dentures. Class 44. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature, "Inc." should be incorporated.

313,767. **HANDIFOLD.** Registered June 5, 1934. Fort Howard Paper Company, Green Bay, Wis. Toilet Paper, Paper Towels, Paper Napkins, and Colored Crepe Paper. Class 37. The drawing is hereby amended to appear as follows:

HANDIFOLD

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

25,564. **REPRESENTATION OF A RAM'S HEAD ON A SHIELD.** Registered Dec. 4, 1894. Renewed Dec. 4, 1924. Re-renewed Dec. 4, 1944. Frank L. Dunne. Men's Outer Clothing. Class 39. New certificate under section 7(c) issued Feb. 17, 1953, to F. L. Dunne Co., Boston, Mass., a corporation of Massachusetts.

257,805. **OLD BAMA.** Registered June 18, 1929. Renewed June 18, 1949. Nu Grape Bottling Co., Inc. Carbonated Nonalcoholic, Noncereal, Maltless Beverages

Sold as Soft Drinks—Vls., Ginger Ale. Class 45. New certificate under section 7(c) issued Feb. 17, 1953, to Alabama Growers Association, Inc., Montgomery, Ala., a corporation of Alabama.

371,448. **IT'S THE BERRIES.** Registered Sept. 26, 1939. Hawley & Hoops. Candy. Class 46. New certificate under section 7(c) issued Feb. 17, 1953, to Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1908, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 90,374. Registered Feb. 18, 1913. J. G. Peppard Seed Co., Kansas City, Mo. Republished by Peppard Seed Co., Kansas City, Mo., a corporation of Missouri.

CLASS 5

ADHESIVES

Reg. No. 297,967. Registered Oct. 4, 1932. Hickok Oil Corporation, Toledo, Ohio. Republished by Pure Oil Products Company, Toledo, Ohio, a corporation of Ohio.

PEPSEECO

For Field-Seeds—Namely, Cane-Seed, Millet-Seed, Clover-Seed, Alfalfa-Seed, Timothy-Seed, Blue-Grass Seed, and Red-Top-Grass Seed.

Claims use since Aug. 13, 1911.



CLASS 2

RECEPTACLES

Reg. No. 89,984. Registered Jan. 28, 1913. Justin D. Bowersock, Lawrence, Kans. Republished by The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas.

For Radiator Cement, Adhesive Patches for Mending Articles, Tire Cements, Adhesive Tapes, Gasket Pastes, and Cements for Use in Repairing Motors and Auto Bodies. Claims use since as early as 1930.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 297,642. Registered Sept. 20, 1932. Benjamin Berman, doing business as Stonhard Company, Philadelphia, Pa. Republished by Stonhard Company, Philadelphia, Pa., a corporation of Pennsylvania.



For Paper and Fiber Boxes. Claims use since July 1909.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 297,867. Registered Oct. 4, 1932. Hickok Oil Corporation, Toledo, Ohio. Republished by Pure Oil Products Company, Toledo, Ohio, a corporation of Ohio.



For Construction Materials—Namely, Waterproofing Solution, Which When Mixed With Light Plastic or Cement Materials Produces an Integral Admixture, Wherein the Hardening of the Mixture is Stimulated and Hastened by the Solution.

Claims use since Sept. 1, 1931.



CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

For Paint Enamels, Varnishes, Lacquers, Ready-Mixed Paints, Preparations for Cleaning and Polishing Automobiles, Combination Tire Paint and Automobile Top Dressing.

Claims use since as early as 1927.

Reg. No. 297,867. Registered Oct. 4, 1932. Hickok Oil Corporation, Toledo, Ohio. Republished by Pure Oil Products Company, Toledo, Ohio, a corporation of Ohio. See this number in Class 4 for goods and mark. Claims use since as early as 1927.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 298,347. Registered Oct. 23, 1932. Charles Odence Company, Boston, Mass. Republished by E. C. Hall Company, Hyannis, Mass., a corporation of Massachusetts.

Cape Codder



The representation of the map is disclaimed apart from the mark as shown.

For Cigars.

Claims use since Feb. 1, 1932.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 298,013. Registered Oct. 11, 1932. Hickok Oil Corporation, Toledo, Ohio. Republished by Pure Oil Products Company, Toledo, Ohio, a corporation of Ohio.

HISPEED

For Batteries, Cables for Electric Circuits, and Parts Thereof.

Claims use since as early as in August 1930.

Reg. No. 317,279. Registered Sept. 18, 1934. Garod Radio Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

Garod

For Radio Receiving Sets and Parts Thereof.

Claims use since Nov. 10, 1933.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 293,035. Registered Apr. 3, 1932. Max Kronstadt, doing business as Bristol Seamless Ring Co., New York, N. Y. Republished by Bristol Seamless Ring Company, New York, N. Y., a firm.

COUNTESS

For Finger Rings.

Claims use since about September 1931.

Reg. No. 293,037. Registered Apr. 3, 1932. Max Kronstadt, doing business as Bristol Seamless Ring Co., New York, N. Y. Republished by Bristol Seamless Ring Company, New York, N. Y., a firm.

KISMET

For Finger Rings.

Claims use since about September 1931.

Reg. No. 293,058. Registered Apr. 3, 1932. Max Kronstadt, doing business as Bristol Seamless Ring Co., New York, N. Y. Republished by Bristol Seamless Ring Company, New York, N. Y., a firm.

GODDESS

For Finger Rings.

Claims use since about September 1931.

CLASS 37

PAPER AND STATIONERY

Reg. No. 298,498. Registered Oct. 23, 1932. A. B. Dick Company, Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Niles, Ill.

DERMAPRINT

For Stencils (Consisting of Coated or Impregnated Sheets Stencilized With the Aid of Light) and Stencil Sheets (Consisting of Sheets Coated or Impregnated With Light Sensitive Material and Adapted To Be Stencilized With the Aid of Light).

Claims use since Mar. 7, 1932.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 370,289. Registered Aug. 22, 1939. Jay Emanuel Publications, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

EXHIBITOR

For Weekly Magazine.

Claims use since on or about Oct. 1, 1919.

CLASS 39

CLOTHING

Reg. No. 297,765. Registered Sept. 27, 1932. J. Schoeneman, Incorporated, Baltimore, Md., a corporation of Maryland. Republished by registrant.

Long Worth

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.

Claims use since January 1930.

Reg. No. 299,785. Registered Dec. 20, 1932. Julius Kayser & Co., New York, N. Y., a corporation of New York. Republished by registrant.

Sansrun

For Hosiery.

Claims use since Aug. 1, 1932.

Reg. No. 324,149. Registered May 14, 1935. The Sherman Bros. Mfg. Co., South Norwalk, Conn., a corporation of Connecticut. Republished by registrant.

DAI-N-ITE

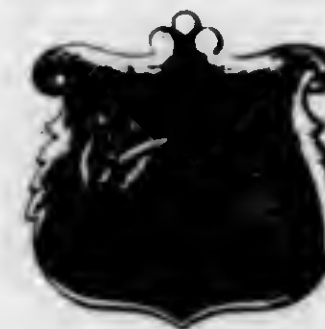
For Boots, Shoes, Slippers, and Sandals Made of Leather, Cloth, and/or Combinations Thereof.

Claims use since Oct. 1, 1934.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 39,304. Registered Nov. 18, 1902. James Pascall, Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address Mitcham, England.



For Confectionery.

Claims use since the year 1866.

Reg. No. 135,886. Registered Oct. 26, 1920. Alfocorn Milling Company, St. Louis, Mo. Republished by Staley Milling Company, North Kansas City, Mo., a corporation of Missouri.



For Stock Feed.

Claims use since Nov. 2, 1917.

Reg. No. 195,874. Registered Mar. 3, 1925. Alfocorn Milling Company, St. Louis, Mo. Republished by Staley Milling Company, North Kansas City, Mo., a corporation of Missouri.

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For Feeds for Horses, Cattle, and Poultry.

Claims use since Aug. 14, 1924.

Reg. No. 298,796. Registered Nov. 8, 1932. The American Molasses Co. of New York, New York, N. Y. Republished by American Molasses Company, New York, N. Y., a corporation of New York.

Hybloom

For Special Bread Sugar.

Claims use since Apr. 30, 1932.

Reg. No. 301,160. Registered Feb. 21, 1933. Anthony Hrynkiwicz, doing business as "Polo Wholesale Grocery Company," Jersey City, N. J. Republished by registrant, present address Hoboken, N. J.

PoLo

For Canned Vegetables.

Claims use since 1929.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 88,266. Registered Sept. 10, 1912. Bass, Ratcliff & Grettton, Limited, Burton-upon-Trent, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address Burton-on-Trent, England.



For Pale Ale and Beer.

Claims use since the year 1856.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 299,187. Registered Nov. 22, 1932. Yardley & Company Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.



For Lavender Water, Face Powder, Sachets, Cold Cream, Bath Salts, Shampoo Powder, Talcum Powder, Bath Dusting Powder, Toilet Lotion, Brilliantine, Face Cream, Skin Cream, and Perfume.

Claims use since February 1912.

PLANT PATENTS

GRANTED FEBRUARY 17, 1953

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,168

CHRYSANTHEMUM PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application April 29, 1952, Serial No. 284,923

1 Claim. (Cl. 47-60)

A new and distinct variety of chrysanthemum plant of the decorative type, substantially as herein shown and described, characterized particularly as to novelty by its upright growth, stiff stems and improved form of plant and size, by its free production of blooms having a general color tonality of Hydrangea Pink suffused with Light Buff, by its healthier growth and improved frost resistance, and by the silvery cast of its foliage over the entire plant.

1,169

CHRYSANTHEMUM PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application April 29, 1952, Serial No. 284,924

1 Claim. (Cl. 47-60)

A new and distinct variety of chrysanthemum plant of the incurved type, substantially as herein shown and described, characterized particularly as to novelty by the relatively large size and deep color of its blooms which have a general color tonality of Nopal Red lightly overcast with Carmine, and by the earliness of its blooming habit.

PATENTS

GRANTED FEBRUARY 17, 1953

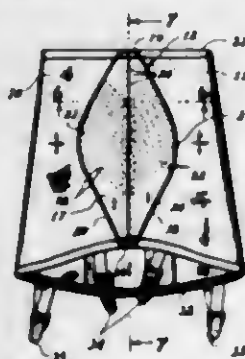
GENERAL AND MECHANICAL

2,628,352
SUNGLASSES, GOGGLES, AND THE LIKE
Paul Astruck, Northampton, England
Application March 6, 1951, Serial No. 214,143
In Great Britain March 14, 1950
3 Claims. (Cl. 2-14)



1. A pair of sun glasses, goggles or the like, comprising a frame consisting of a top bar having a depending side bar at each end, two centre depending bars at a little distance apart with a nose piece bridge between the two centre bars, a small lug or pin on the inside of each side bar and each centre bar and near the top bar, eye-pieces composed of flexible transparent coloured material formed with a thickened portion on each side edge near the top, a hole or recess in each thickened portion of each eye-piece so arranged that the holes or recesses in the eye-pieces can be engaged with the appropriate lugs or pins and on which each eye-piece can hinge, the eye-pieces being of greater width than the eye-piece openings so that when in position in the frame the eye-pieces are slightly concave and flexed, and ear-pieces hingedly connected to the side bars, substantially as set forth.

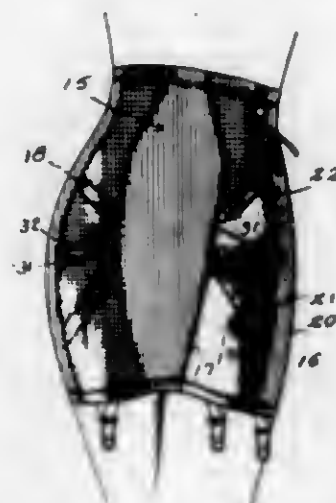
2,628,353
UNDERGARMENT
Gabriel Leventhal, New York, N. Y.
Application October 18, 1950, Serial No. 190,839
7 Claims. (Cl. 2-28)



1. In a garment of the figure-controlling, form-fitting and form-shaping type, a structure composed of but four major interunit parts, that is, two alike side or loin panels made from material stretchable in both vertical and horizontal directions, a buttocks or rear panel having a relatively narrow top end and a substantially wider bottom end and being stretchable in vertical direction only, and an abdominal panel stretchable in vertical direction only and having a vertically preformed portion to provide a limited fulness at its upper central area and having

restricting reinforcements along its vertical center line for partly limiting vertical elongation of the panel substantially along that line, and wherein said vertically preformed portion consists of two symmetrical, elongated elements having originally curved interior joining edges fixedly secured together along said vertical reinforcements, and wherein said elements have relatively small upper and relatively larger lower end areas which are rendered free to expand vertically, while the areas of the elements between their upper and lower areas are provided with means for restricting their inherent tendency of expanding in vertical direction.

2,628,354
FOUNDATION GARMENT
Mario Laguzzi, New York, N. Y., assignor to
Poirette Corsets, Inc., New York, N. Y.
Application June 29, 1951, Serial No. 234,287
3 Claims. (Cl. 2-37)



1. In a garment for women's wear, front and rear panels having an elastic characteristic longitudinally thereof, front and rear pairs of elastic panels secured to and extending from said first named panels, said pairs of panels having elastic characteristics longitudinally and transversely thereof, side panels, each secured between a front and a rear panel of said pairs of panels, said side panels having an elastic characteristic longitudinally thereof, and obliquely disposed elastic reinforcing strips secured at one end to each edge of said front panel, and at their opposite ends to the adjacent edges of the adjacent side panels, and additional reinforcing strips secured at one end to each edge of said rear panel and at their opposite ends to the adjacent edges of the side panels.

2,628,355
FOUNDATION GARMENT
Mario Laguzzi, New York, N. Y., assignor to
Poirette Corsets, Inc., New York, N. Y.
Application June 29, 1951, Serial No. 234,288
4 Claims. (Cl. 2-37)

1. A girdle or body confining and controlling garment or the like, comprising a garment for

FEBRUARY 17, 1953

GENERAL AND MECHANICAL

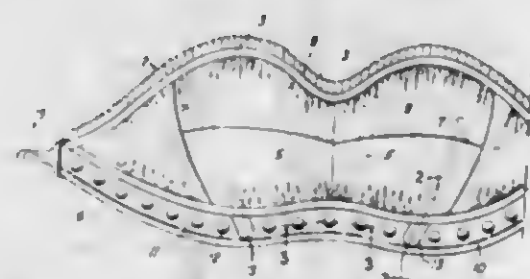
559

encompassing the lower portion of the body of a wearer, said garment having front, rear, and side panels of non-elastic material, and panels of elastic material positioned between each side panel and the front panel and the rear panel and having means whereby on the flexing of said garment said elastic panels have a greater amount of elastic resistance in that portion of the garment which encompasses the hips, upper thighs and buttocks of the wearer whereby the



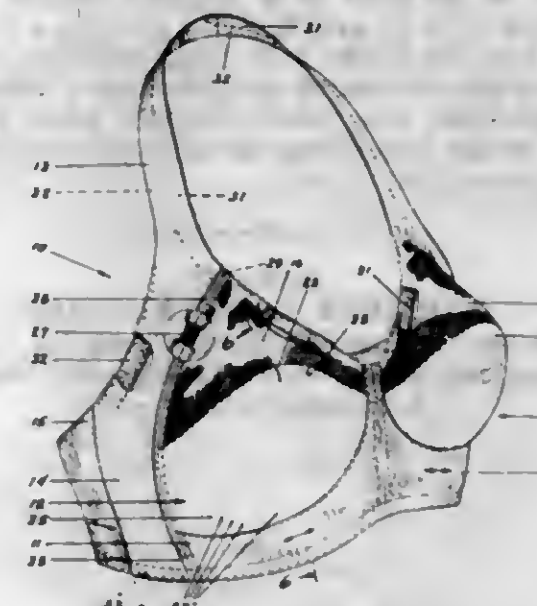
garment will exert a confining and fashioning restraint on the lower abdomen, groin, hips, and posterior of the wearer, said means comprising strips of elastic fastened at each end to the stretch resistant non-elastic panels of the garment and extending across intervening elastic panels, said strips diverging outwardly from the respective center front and back panels of the garment toward the upper and lower extremities of the side panels.

2,628,356
BRASSIÈRE
Arthur M. Rosenfield and Jack J. Goldklang,
Brooklyn, N. Y.
Application March 5, 1951, Serial No. 213,868
1 Claim. (Cl. 2-42)



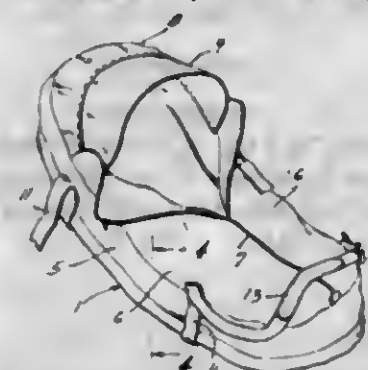
A brassiere comprising a strip of cloth having covered stiffening elements extending across said strip, the upper and lower longitudinal edges of the cloth having hem strips, a rubber band secured along its upper edge to the lower hem strip and lower edge of the cloth, the band extending from end to end of the brassiere and having vacuum cup depressions on its inner face over its entire length and a relatively thick flat bead along its lower edge, the lower hem strip having openings, the lower ends of some of said stiffening elements protruding from said openings, said band having pockets thereon at each side into which the ends of the stiffening strips protruding from said openings are inserted; and a fastening device at each end of the band.

2,628,357
STRAPLESS BRASSIÈRE
Frances Sider, New York, N. Y.
Application October 9, 1952, Serial No. 313,872
7 Claims. (Cl. 2-42)



5. A brassiere comprising a front panel that is horizontally stretchable, breast pockets, each comprising an upper portion and a lower portion, said lower portion comprising a front, a back and filler members interposed between said front and back, the adjacent edges of the upper and lower portions being secured together, the lower edges of the breast pockets and the upper edge of the front panel being curved and secured together, the lower edges of the breast pockets converging upwardly and inwardly toward the center of the brassiere between said breast pockets, the inner side edge portions of the breast pockets being secured to the respective converging edge portions of the intermediate portion of the front panel, body encircling elastic panels attached to the outer ends of the front panel and to the outer side edge portions of the respective breast pockets, complementary fastening means on the free ends of the body encircling panels, narrow pockets extending along the outer ends of the front panel and the outer side edges of the breast pockets, and a spiral reinforcing element arranged in each narrow pocket for supporting the breast pockets firmly against the body of the wearer.

2,628,358
BABY CARRIER
Josette M. Neils, Milwaukee, Wis.
Application November 4, 1949, Serial No. 125,409
1 Claim. (Cl. 2-69.5)



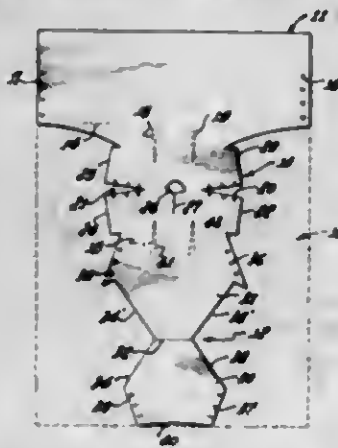
A baby carrier comprising a body portion arranged to support the baby in a horizontal position, an upstanding marginal flange portion projecting upwardly from the body portion, a pair of flaps secured to the marginal flange portion, fastening means for detachably fastening said flaps together, and a hood portion secured to the body portion adjacent one end of the body portion.

tion and arranged to be rocked upwardly to provide a hood for the baby's head extending over the face of the baby or to be rocked downwardly beneath the baby's head, said hood portion being located inwardly of said pair of flaps and arranged to be held in a slightly spaced position from the ends of said flaps to provide a breathing space for the baby, said hood portion including a freely flexible band portion and a transparent visor portion, said freely flexible band being secured to the inner edge of said visor portion and to said marginal portion.

2,628,359

GARMENT CONSTRUCTION

Louise Tiegan Shalda, Los Angeles, Calif.
Application September 11, 1950, Serial No. 184,146
3 Claims. (Cl. 2-71)



1. A single-element separable garment construction comprising an initially flat piece of garment material having two end sections and an intermediate section joined to the respective end sections, one of said end sections comprising underpants and having opposite cuts extending inwardly from opposite lateral edges forming edges of leg openings therein, complementary fastening means along lateral edges of said first identified end section comprising closures for outside edges of leg portions of said underpants, the other end section being continuous from one lateral edge to the other and comprising an exterior garment adapted to overlie said underpants, complementary fastening means on said last-identified lateral edges comprising a closure for said exterior garment, said intermediate section being joined to the end sections at transverse edges, said intermediate section comprising a separate exterior portion of the garment and having shoulder portions intermediate transverse edges thereof, and said intermediate section having a neck aperture intermediate the shoulder portions.

2,628,360

NECKTIE KNOT FORM

Arthur J. Kush, San Antonio, Tex.
Application August 23, 1950, Serial No. 180,992
1 Claim. (Cl. 2-153)



A knot form for neckties of the four-in-hand type, comprising a flat piece of resilient sheet

material in the form of an isosceles triangle having a single V-shaped slot therein forming a resilient triangular tang with its base parallel with one side of the triangular form and with its free end pointing toward the opposite apex of the triangular form, whereby the tang will grip and hold a tie with one of its side edges parallel with the side of the form opposite the free end of the tang.

2,628,361

BROWBAND

Joseph G. Heyck, Tampa, Fla.
Application March 22, 1950, Serial No. 151,154
1 Claim. (Cl. 2-181)

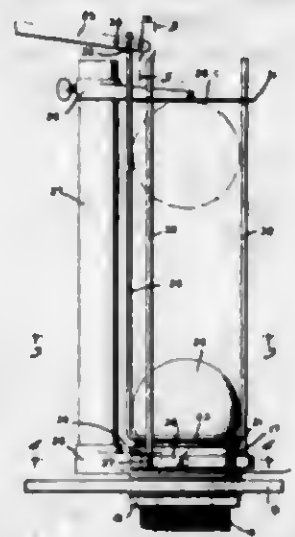


A browband comprising in combination a multi-ply strip of absorbent material, said strip presenting inner and outer faces defined between longitudinally extending upper and lower edges, mounting elements of ductile material having a length greater than the width of said strip and staples extending across said elements and having their ends attached to the body of said strip at points adjacent the longitudinal edges of the latter, said staples securing said elements, in spaced relationship to one another, to lie transversely of said strip in contact with the inner face of the same and with the element ends projecting beyond the adjacent longitudinal edges of said strip.

2,628,362

FLUSH VALVE

John Birkmaier, Franklin Square, N. Y.
Application April 28, 1948, Serial No. 23,800
2 Claims. (Cl. 4-57)



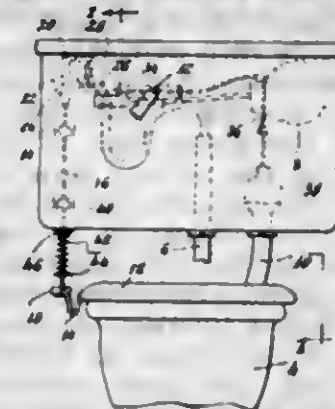
1. A flush valve construction comprising: a ball seat member having a lateral extension, an overflow drain pipe supported on the lateral extension, a cage rod supporting annular structure adapted to be releasably secured to the ball seat member; said cage rod supporting structure including separable members with lug projections thereon; cage rods extending into the lug projections, and adjustable means connected to the upper end of the cage rods and adapted to be adjusted along the overflow drain pipe; one of said members having a recess, the other having a formation adapted to be extended into the

recess; said members being adapted to partially extend above the ball seat member; and a locking wire adapted to be extended between the free ends of said members and over the lateral extension of the ball seat member to retain the members on the ball seat member against lateral displacement.

2,628,363

AUTOMATIC TOILET FLUSH DEVICE

Alfred Stein, New York, N. Y.
Application April 1, 1950, Serial No. 153,418
2 Claims. (Cl. 4-59)



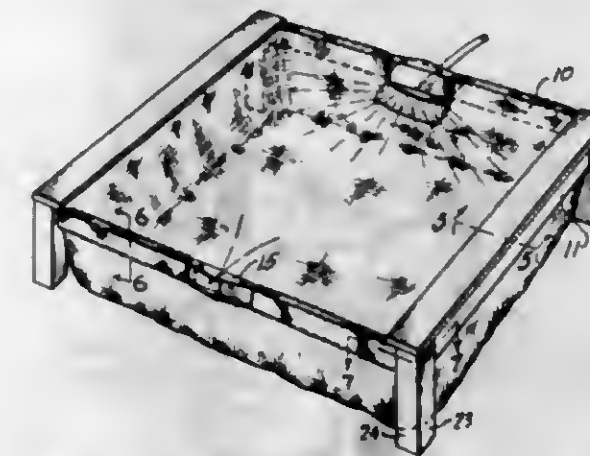
1. In a toilet flush tank having a pivotable trip lever which is actuated by a float and operating a flush valve seated in a valve seat that surrounds the outlet opening of the flush tank, an automatic toilet flush device comprising a longitudinal member extending outwardly from that portion of a toilet seat which is hinged to a toilet bowl and substantially rightangularly disposed to the axis of the hinges which connect the seat to the bowl, a vertical rod pivotally secured with its lower end to the outer end of said longitudinal member, guiding means, in which said rod is slidable, being provided on the toilet flush tank, a head piece shaped as an inverted L having a slotted vertical portion in alignment with and secured to the upper end of said rod and terminating in a horizontal portion, a normally horizontally disposed extension pointing toward said head piece being mounted to the pivotable trip lever of the toilet flush tank, a normally horizontally disposed finger member which normally is parallel to the horizontal portion of said head piece having a disk-shaped hub portion pivotally mounted in the slotted vertical portion of said head piece, tension spring means interposed between said finger member and the horizontal portion of said head piece being adapted for forcing said finger member into a position in which it is parallel to the horizontal portion of said head piece, a knob extending from the hub portion of said finger member and resting against said head piece when said finger member is parallel to the horizontal portion of said head piece for the purpose of limiting the movement of said finger member in a counterclockwise direction, and resilient means on said rod adapted for forcing the latter and said head piece downwardly and for tilting said longitudinal member into a position in which said toilet seat is in an upwardly inclined position, in said last mentioned position of said rod, the finger member being beneath said extension which is substantially horizontal when the flush valve is closed, and upon occupation of said toilet seat the rod and the finger member thereby are raised the latter being tilted as it passes said extension without moving the same and upon having passed said extension said finger member being forced by said tension spring into a horizontal position above said extension, so that upon release of said seat and forcing of said rod downwardly, said finger mem-

ber during its downward travel will engage said extension thus tilting the trip lever and causing a lifting of the flush valve from the valve seat.

2,628,364

COLLAPSIBLE PLAY POOL

Earl C. Wallace, Andrews, and James Meekin, Jr.,
Huntington, Ind., assignors to The Hettrick
Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application May 9, 1951, Serial No. 225,402
1 Claim. (Cl. 4-177)

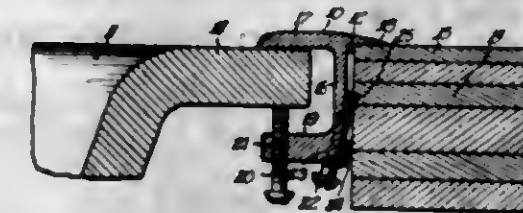


A play pool comprising a waterproof canvas receptacle, a collapsible frame for said receptacle, said frame comprising a pair of oppositely arranged side rails, a seat panel connected to the top of each of said side rails, a two-part corner post, means for rigidly connecting the ends of said side rails to one part of the adjacent corner posts the respective ends of said seat panels resting on the said one part of said corner posts, a hinge connection between the parts of each corner post, a pair of oppositely arranged two-part rails, means for connecting the outer ends of the last rails to the adjacent other part of said corner posts respectively, and a breakable connection between the inner ends of the parts of said last rails to enable the two-part of each rail to be swung about said hinge connections toward each other for collapsing the frame, said seat panels being substantially wider than said side rails and overhanging the inner sides thereof, the outer ends of said two part rails being connected to said other parts of said two-part posts below the level of the underside of said seat panels whereby, when said frame is collapsed, the opposite inner edges of said seat panels meet and overlie a recess for the in-folded two-part rails.

2,628,365

SINK MOUNTING

Herbert D. Drain, Chicago, Ill., assignor to Walter E. Selek and Company, Chicago, Ill., a corporation of Illinois
Application July 23, 1947, Serial No. 762,857
17 Claims. (Cl. 4-189)



7. Means for mounting a flat marginal flange type sink in an opening in the top of a cabinet comprising a mounting rim including a vertical web and spaced top and bottom flanges integral with the web and defining therewith a sink

flange receiving channel, the top flange being engageable with said cabinet top and the web being disposable in said opening.

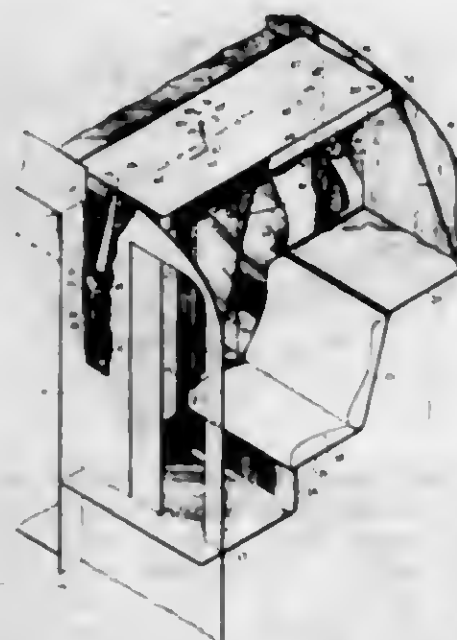
2,628,366

ROOM WITH MOVABLE BED FOR RAILWAY SLEEPING CARS OR THE LIKE

Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 15, 1948, Serial No. 49,398

4 Claims. (Cl. 5-10)



2. In a sleeping car, a room defined in part by spaced parallel walls extending transversely of the car and an aisle wall having a doorway therein and interconnecting said transversely extending walls, a bed extending lengthwise from one to the other of said transversely extending walls and movable between a stowed position adjacent said aisle wall and a use position remote therefrom, and means for supporting and guiding the bed in such movement comprising a pair of spaced arms, one at each end of the bed, hinged at one of their ends to the respective ends of the bed and hinged at their opposite ends to the room walls adjacent said aisle wall, the axis of said last-named hinged connection crossing the doorway in the aisle wall within the room, and means operatively connected to the arms adjacent their pivotal connection to the room walls and extending from arm to arm around said doorway and interconnecting said arms so as to constrain them to move together.

2,628,367

DAVENPORT BED

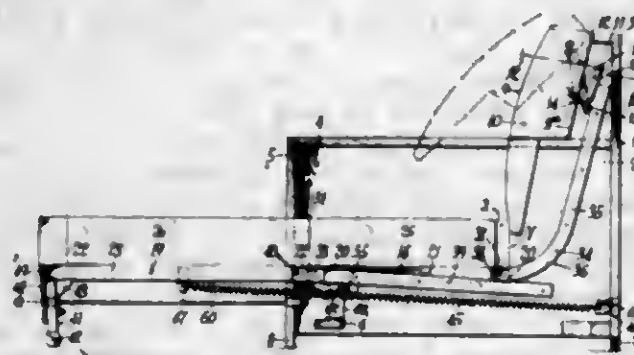
Stanley A. Green, Buffalo, N. Y., assignor to Hill-Mar Industries Inc., Buffalo, N. Y., a corporation of New York

Application April 21, 1951, Serial No. 222,241

16 Claims. (Cl. 5-47)

1. An article of furniture having davenport and bed phases of use including, in combination, a supporting element consisting of a vertical back frame and end walls connected and braced by the back frame, inner and outer rectangular mattress supporting frames movably mounted between the end walls and each having side bars extending at right angles to the end walls and end bars extending parallel to the end walls, hinge connection between the adjacent inner side

bars of the supporting frames, the outer supporting frame having depending wheel-carrying floor engaging legs adjacent its front side, a first pair of similarly formed and arranged confronting guide rails for the inner supporting frame adjacent the ends thereof, a second pair of similarly formed and arranged confronting guide rails for the outer supporting frame adjacent the ends thereof, one of the guide rails for each frame being arranged between an end bar and an end wall of the supporting element and being attached to said end wall, the guide rails of the first pair being positioned with their upper ends adjacent the back frame and extending from their upper ends in a direction of forward and downward inclination, the guide rails of the second pair being straight and extending from the front of the side walls rearwardly at a slight downward inclination to points below the guide rails of the first pair, the guide rails of the second pair and the said floor engaging legs cooperating to hold the outer mattress supporting frame in a position in the davenport phase in which it provides support for the seat cushions and also cooperating to support it for movement in a forward or rearward direction according to the phase to which the article is to be converted, the lower terminal portions of the guide rails of the first pair being located above and in adjoining relation to the guide rails of the second pair and being in a common horizontal plane with the forward ends of the guide rails of the second pair, the end bars of the supporting frames being provided with rollers which track in the guide rails of the respective pairs, the inner supporting frame in the davenport phase extending in an upward and rearward



direction from the inner side of the outer supporting frame with its upper portion by means of its rollers receiving lateral support from the guide rails of the first pair and its lower portion by means of the hinge connections receiving direct support from the inner side of the outer supporting frame, the frames being simultaneously forwardly movable in the conversion from the davenport phase to the bed phase and rearwardly movable in the conversion from the bed phase to the davenport phase, the frames upon the completion of the conversion to the bed phase being in a common horizontal plane, the movement of the inner frame in either direction between its positions in the davenport phase and the bed phase having pivotal components about the axes of the hinge connections and of its rollers, the outer frame in the bed phase having its inner side supported by the front end portions of the guide rails of the second pair and the inner frame in the bed phase having its outer side supported in the terminal portions of the guide rails of the first pair, the forward and downward inclination of the guide rails of the first pair and the angular relation of the mattress supporting frames in the davenport phase being such that the inner mattress supporting frame is movable by gravity to initiate the forward movement of the frames in conversion to the bed phase, and manually re-

leasable means acting in the davenport phase in opposition to the weight of the inner mattress supporting frame for maintaining the mattress supporting frames in their positions of angular relation in the davenport phase.

2,628,368

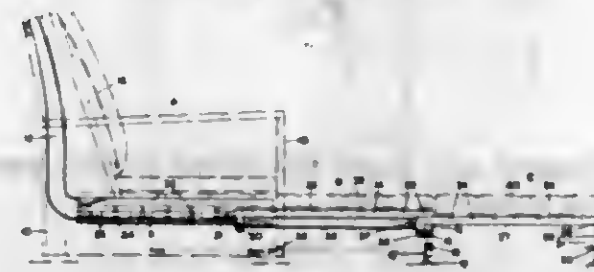
BED CHAIR OR BED SETTEE

Cecil Gordon, Moseley, Birmingham, and Frank Skidmore, Black Lake, West Bromwich, England, assignors to Clarke & Gough Limited, Smethwick, England

Application March 16, 1950, Serial No. 150,077

In Great Britain April 14, 1949

4 Claims. (Cl. 5-48)



1. A bed settee comprising a frame, with an upwardly and rearwardly sloping back rest, L-shaped guideways behind and below said back rest and supported by said frame on opposite sides thereof, a first spring section including side members of pivotally connected links of a total length substantially that of the horizontal portion of the L-shaped guideways, rod means extending between corresponding links of said side members for maintaining said links in substantially equally spaced relation, mattress supporting means above said rod means, a second spring section extending forwardly from said first spring section, said second section having side members connected to forward links of said first section, said side members having trackways thereon extending longitudinally thereof, spring means connected to said side members for supporting a mattress thereon, a third spring section extending forwardly from said second section and having side tubes with rollers on the rearward ends of the side tubes engageable with the trackways of said second section, means for maintaining said side tubes in spaced apart relation, mattress supporting means supported from said side tubes, and downwardly extending legs on the forward ends of said second and third sections for supporting the sections above a supporting surface, said sections being extensible to form a bed and being movable to stored position by said third section being slidable below said second section, said third section and second section being movable to form the seat portion of the settee and said first section being slidable into stored position behind the back rest and on the upstanding portions of the L-shape guideways.

2,628,369

MOBILE COT

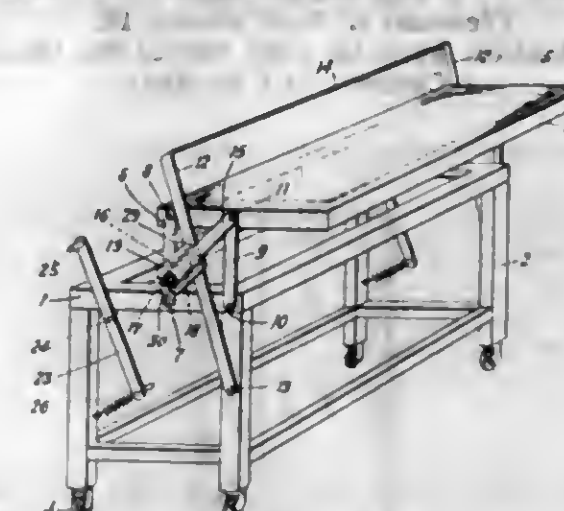
Howard S. Urban, Brooklyn, N. Y.

Application July 2, 1951, Serial No. 234,746

6 Claims. (Cl. 5-38)

1. A cot having a framework comprising a top, legs supporting the top, a lifting frame above the top, links pivotally connecting the ends of the lifting frame to the ends of the top, levers pivotally connected to the legs at one side of the top, a bar uniting the free ends of the levers, and additional links pivotally connecting the levers to said frame, and being pivotally connected to

each other, one of said additional links having a recessed end adjacent the other, so that when



said additional links are folded together, the other is received in said recessed end.

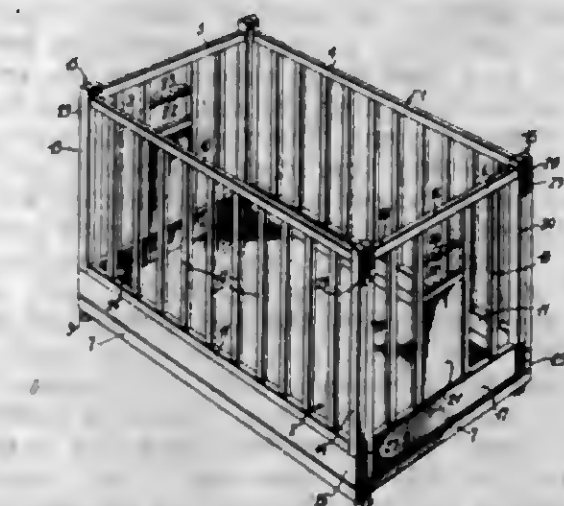
2,628,370

JUVENILE PLAY YARD

Henry Lloyd Hoke, Thurmont, Md.

Application May 16, 1949, Serial No. 93,568

1 Claim. (Cl. 5-99)



Collapsible juvenile play yard comprising a rectangular floor, end panels hinged at floor level foldable inwardly against the floor, rails extending longitudinally of the floor at opposite sides in fixed relation thereto, side panels hinged to the tops of said rails so as to fold inwardly, said rails being of a height differing by an amount equal to the thickness of a side panel to permit flat folding of said side panels, said side and end panels each including a rectangular frame having top, bottom and end members, the adjacent end members of the side and end panels terminating at the same level at the top, each being an integral member throughout its length, said end members having flat adjacent faces that contact in a common interface at each corner when said panels are in erect position, said adjacent contacting end members being the components of a corner post hinged at different levels at the base of said post, cooperating means at each corner adjacent the tops of said post components to prevent relative longitudinal slippage of said components along their contacting interface, said means providing a projection transversely intersecting the plane of the interface between said post components, said means also providing a complementary recess with which said projection interdigitates, said projection being confined against longitudinal movement, and removable means cooperating with said interdigitating projection and recess for holding said post components in interfacial contact.

2,628,371

FOLDING BED

Clement R. Null, Olney, Ill.

Application April 12, 1950, Serial No. 155,539

1 Claim. (Cl. 5-158)



In a folding bed of the type which includes an elongated rectangular cabinet having front, side and rear walls and a vertical partition between the front and rear walls separating the interior of the cabinet into a storage space and a bed receiving compartment, the front wall having an opening extending therethrough below the storage space which opening communicates with the compartment, an articulated bed spring mounted in said compartment to move horizontally through the opening in the front wall, and a drawer front carried by the bed spring and adapted to close the opening in the front wall when the bed spring is contained in the compartment, means to support said bed spring in a horizontal position when it is projected from the compartment and through the opening in the front wall comprising a carriage connected to the drawer front and extending beneath and engaged by the bed spring adjacent the drawer front, and a second carriage of greater width than the first mentioned carriage adapted to be engaged by and extended outwardly from the cabinet beneath the bed spring adjacent the end thereof remote from the drawer front, the said carriages being movable into the cabinet beneath the storage space and the compartment and the carriage adjacent the drawer front telescoping into the opposite carriage when the drawer front closes the opening.

2,628,372

TOY DOLL BEDSTEAD

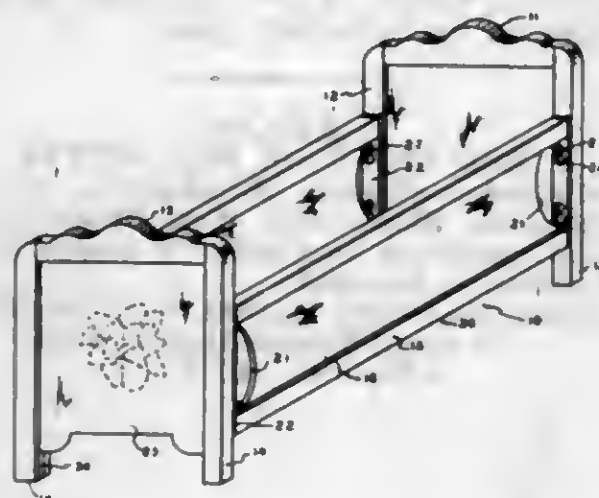
Michael H. Metzger, Eagle River, Wis.

Application August 25, 1950, Serial No. 181,469

3 Claims. (Cl. 5-286)

1. A knock down toy doll bedstead comprising a head board and a foot board each having a pair of legs, and a pair of side rail members each comprising a longitudinally grooved top rail, a longitudinally grooved bottom rail, a panel cut away at its ends having its sides fitted within the grooves of said top rail and bottom rail, and a side rail attaching plate secured at each end to the said top rail and said bottom rail, said attaching plate each being provided with a pair of spaced downwardly extending slots each terminating in an enlarged aperture, said legs each being provided with a pair of partially inserted screws spaced apart equal to the spacing of the

apertures in said attaching plate, the screw heads being of a size to pass through said apertures but



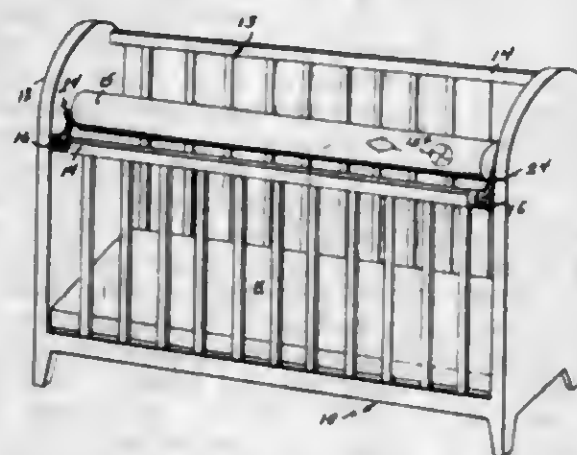
not through said slots, the screw shanks being of a size to enter said slots.

2,628,373

CRIB GUARDLynn C. Mahan, deceased, late of New York, N. Y.,
by Dorothea S. Swanson, executrix, New York,
N. Y.

Application July 6, 1950, Serial No. 172,214

4 Claims. (Cl. 5-331)



1. A guard mechanism for use in connection with a child's crib constructed with enclosing walls and having top guard rails to prevent a child from climbing over the walls of the crib, comprising a pair of clamps, arms supported by the clamps extending inwardly thereof, and a roller mechanism rotatably supported by the arms and spaced from said clamps, said clamps being adapted to be secured to the top guard rail of a wall of the crib with the said arms extending inwardly of the wall of the crib and into the crib enclosure and with said roller spaced inwardly of the crib guard rail.

2,628,374

BEEHIVE WITH HEATING AND VENTILATING MEANS

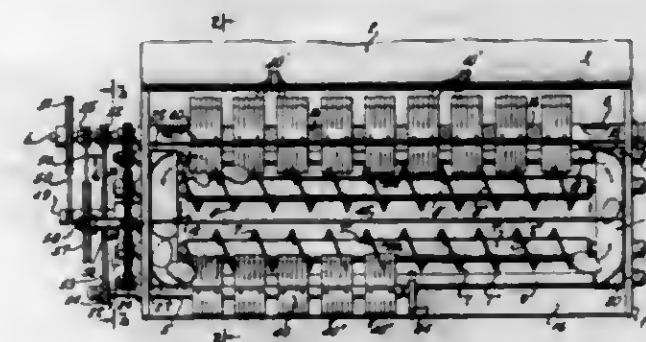
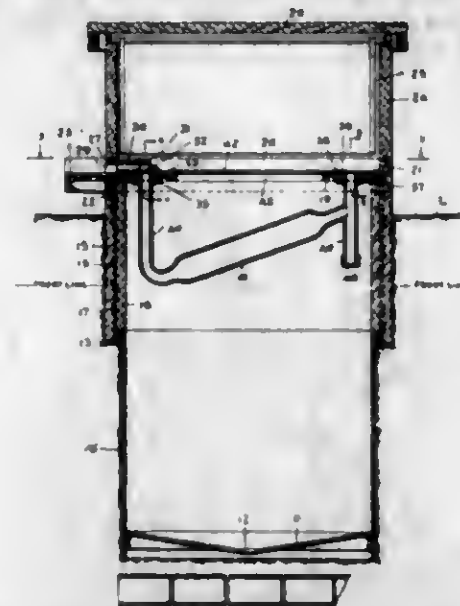
Clarence S. Bowen, Greenville, S. C.

Application April 2, 1951, Serial No. 218,765

12 Claims. (Cl. 6-1)

11. A bee hive comprising a body portion having a floor formed of heat-conducting material, said body portion having air inlet and outlet openings, an elongated bulb of heat-transmitting material spaced below the floor of the body portion, a first tube connecting one end of the bulb and said air inlet opening, and a second tube

connected with the other end of the bulb and communicating with the atmosphere, whereby groups along the shaft to facilitate turning of the egg between the groups, and a conveyor for



moving the egg along thru the groups parallel to the shaft.

2,628,377

MECHANICAL TOOTHBRUSH

Floyd M. Cockriel, Edgerton, Mo.

Application March 21, 1950, Serial No. 150,935

3 Claims. (Cl. 15-23)

fresh air may flow through the bulb to the interior of the bee hive body portion.

2,628,375

LATERAL AND LONGITUDINAL ADJUSTABLE SHOE TREE

John T. Smithson, Vancouver,

British Columbia, Canada

Application October 17, 1949, Serial No. 121,711

8 Claims. (Cl. 12-128.3)



1. An adjustable shoe tree comprising a pair of toe blocks side by side which combine to form a block of exactly the shape of the forward part of the human foot for which it is designed, a shaft extending between the toe blocks and beyond the inner ends thereof, a heel block slidably connected to the opposite end of the shaft, an operating lever pivotally mounted on and extending upwardly from the shaft, means on the lever removably engaging portions of the toe blocks when the lever is moved forwardly to hold said blocks together, means connected to the lever and extending to the heel block to engage the latter, said lever being movable rearwardly to release the toe blocks and move the latter forwardly when the heel block is positioned in the back of a shoe and laterally to turn the shaft, and means on the shaft spreading the toe blocks apart in the shoe when said shaft is rotated laterally by the lever to maintain the shoe in the shape of said foot.

2,628,376

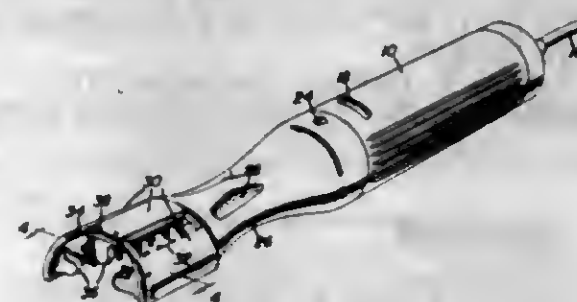
EGG WASHER AND DRIER

William Harry Scribner, Tompkins County, N. Y.

Application October 22, 1949, Serial No. 122,909

6 Claims. (Cl. 15-3.14)

6. In an egg cleaning machine, the combination of a rotating shaft and cleaning elements attached thereto comprising flat sheet strips of thin flexible material secured at one end to the rotating shaft and free at the other end to slap the egg, said strips being arranged in spaced



1. A mechanical tooth brush comprising a hollow handle, a head, and a neck joining the handle and the head, said head including a plurality of spaced, parallel, flexible arms secured to and extending longitudinally from the peripheral edge of the end of the neck remote from said handle, said arms forming a longitudinally extending arch, a resilient, arched bridge connecting said arms to one another at their free ends, bearing plates secured to the free ends of said arms and extending radially toward the axis of the arch formed by said arms, the portion of said neck adjacent said arms being recessed and forming a continuation of said arch, said hollow handle constituting a motor housing, a motor in said housing, a plurality of flexible cables each having one of its ends journaled in one of said bearing plates and the other of its ends operatively connected to said motor for rotation, said cables extending through said neck portion, the portion of each of said cables between said bearing plates and said neck constituting a bristle shank.

2,628,378

DRUM CLEANING MACHINE

Lemuel M. Gilbert, Oaklyn, N. J., and

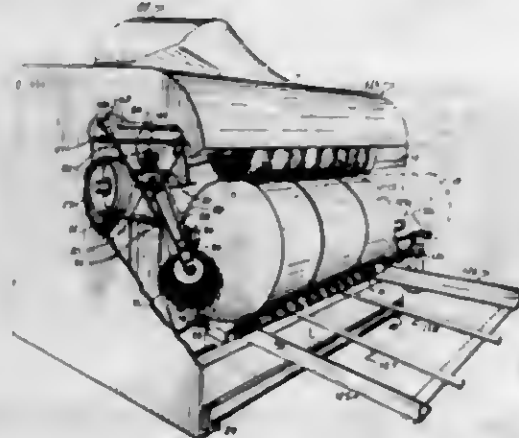
Carl G. Derr, Philadelphia, Pa.

Application August 24, 1946, Serial No. 692,870

7 Claims. (Cl. 15-55)

1. In apparatus for cleaning the side and end surfaces of objects, the combination, which comprises, a rotary brush positioned to provide supporting means for an object being cleaned, an upper rotary brush positioned to brush the upper surface of the object, said upper brush comprising a plurality of individually mounted and individually rotated brush elements, a feed roller with a resilient spiral surface positioned to stop

the object as it moves into the apparatus and also position the said object for cleaning by the

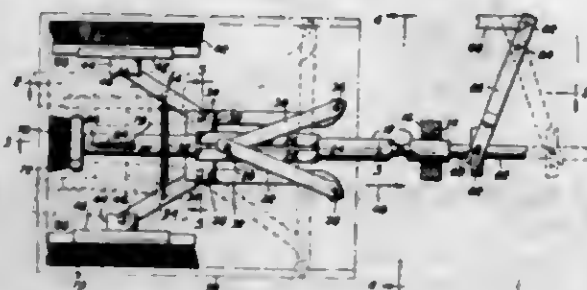


brushes, means rotating said brushes and roller, and means cleaning the ends of said object.

2,628,379

MACHINE FOR SCRUBBING INNER SIDE WALL AND BOTTOM OF CYLINDRICAL CONTAINERS

Arthur F. Darrah, Rochester, Vt.
Application October 27, 1948, Serial No. 56,796
1 Claim. (Cl. 15-72)



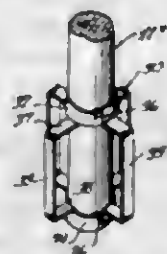
In a machine for scrubbing inner side wall and bottom of a cylindrical container, the combination of a rotatable tube provided intermediate the ends thereof with a pair of diametrically opposed longitudinally extending slots, a drive shaft slidable in said tube, a transverse pin provided intermediate the ends of said drive shaft and projecting outwardly through said slots, two pairs of spaced brackets secured at diametrically opposite sides to said tube adjacent the slots, a pair of angulated levers each having its intermediate portion pivotally mounted between a pair of said brackets for swinging toward and away from said tube, a pair of side scrubbing brushes pivoted intermediate the ends thereof to the respective levers at one end of the latter, two pairs of links pivoted at one end thereof to the respective levers at the other end of the latter, the links in each pair extending to opposite sides of said tube and being fulcrumed at opposite end portions of said pin, a pair of tension springs disposed at opposite sides of said tube and anchored to said levers at points between said brackets and said side scrubbing brushes whereby to swing the latter inwardly, means for sliding said shaft in said tube for swinging the side scrubbing brushes outwardly against the action of said springs, a shank rotatable with and slidable in one end portion of the tube and projecting outwardly therefrom, a bottom scrubbing brush secured intermediate the ends thereof to the outer end of said shank and disposed perpendicularly to the tube, and resilient means for urging said shank outwardly from said tube.

2,628,380
EXPANSIBLE PIPE-CLEANING KNIFE
Robert F. Therrien, Toledo, Ohio
Application November 22, 1946, Serial No. 711,701
3 Claims. (Cl. 15-104.3)



2. A pull type of cutting tool having terminal eyes, a head unit anchored to each eye, a stem connecting the head units, one of said head units comprising a disk fixed with the eye for such unit, said disk having a bearing surface and a plurality of seats, said one unit having a stem-connecting head section with a bearing surface in contact with the disk bearing surface, said section having a recess angularly alignable with a selected disk seat, manually actuatable means adapted to coact between a disk seat and the section recess, and helical knives secured to the head units and secured in adjustment by the manually actuatable means.

2,628,381
TOILET BOWL BRUSH
Eli C. Scaff, La Junta, Colo.
Application August 28, 1949, Serial No. 112,561
1 Claim. (Cl. 15-244)

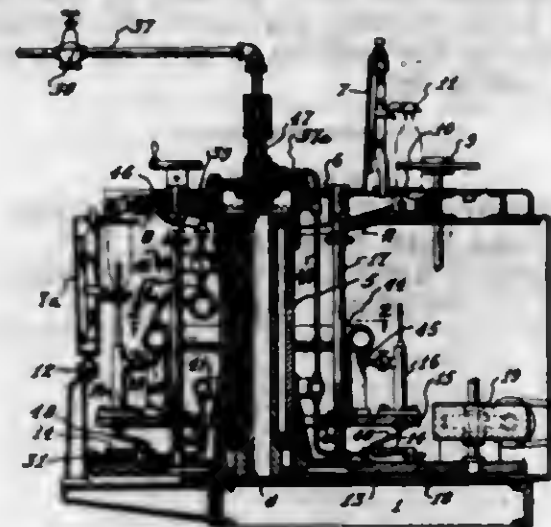


Means for attaching a rubber brush to a handle comprising a pair of flat bar elements formed into ring shape and circumposed on the handle at longitudinally spaced points and affixed thereto, circumferentially spaced flat U-shaped bars having straight arms, said arms being disposed in parallelism at right angles to the ring-shaped bar elements and formed integrally therewith, the right portions of said bars being straight and parallel to the handle and spaced outwardly therefrom by the arms, said U-shaped bars being adapted to be embedded within the brush.

2,628,382
SPOUT FOR AIR-CLEANING CONTAINERS AND MEANS FOR OPERATING IT
Paul R. Feckheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application March 6, 1946, Serial No. 652,443
6 Claims. (Cl. 15-304)

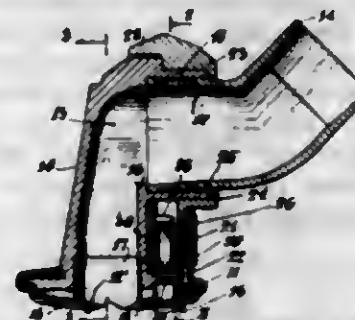
1. In a movable spout mechanism, branch conduits from a source of gas under pressure, one

of said conduits being connected to a valve mechanism, a cylinder, a piston having a hollow rod passing therethrough and through one end of said cylinder, a connection between said valve mechanism and the opposite end of said cylinder, a pressure reducing means in the other of said branch conduits and a connection between said pressure reducing means and said cylinder at the



opposite side of said piston, whereby to return said piston under reduced pressure, a reservoir means in said last mentioned connection, and a check valve in said last mentioned branch conduit on the side of said reservoir opposite said cylinder for maintaining sufficient gas under pressure in the reservoir to insure return of the piston should the source of gas pressure fall.

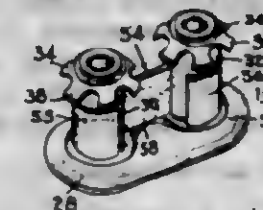
2,628,383
SUCTION NOZZLE WITH BRUSH
Alex M. Lewyt, New York, and Carl E. Meyerhoefer, Brooklyn, N. Y., assignors to Lewyt Corporation, Brooklyn, N. Y., a corporation of New York
Application February 1, 1947, Serial No. 725,890
4 Claims. (Cl. 15-339)



1. In combination spaced front and rear walls connected to each other adjacent their upper and side edges to provide a hollow nozzle body the lower edges of which define an intake mouth, an outlet hub extending rearwardly from said body and communicating with the hollow interior thereof, a collar rotatably encircling said hub, an extension forming a part of said collar and providing an upwardly facing cam surface, a brush and a plate mounted for sliding movement adjacent the outer face of said rear wall, an upper extension projecting laterally from said plate, a lower extension also projecting laterally from said plate, the lower of said extensions supporting said brush to restrain the same from downward movement, the upper of said extensions engaging said cam surface to have sliding movement with respect thereto, a spring bearing against said nozzle body and brush to urge the latter downwardly in the direction of the nozzle mouth and into firm contact with the lower plate extension supporting it, the plate being thereby

urged in a corresponding direction and the upper extension of said plate accordingly bearing in sliding and firm contact with the cam surface.

2,628,384
CLOSURE MEMBER OR FURNITURE GLIDE
Kerian J. Shomber, Oakland, Calif., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 18, 1950, Serial No. 150,407
4 Claims. (Cl. 16-42)



1. A closure member for assembly into the ends of a pair of adjacent tubular members, said closure member comprising a pair of spaced support column members for insertion into the ends of the tubes, said support column members having means thereon for internal engagement with the tubes, a supporting base on adjacent ends of the column members, and rigid strap means extending between the support column members for entering longitudinal slots in the ends of the walls of the tubes, said strap means being disposed intermediate the tube-engaging means and the base.

2,628,385
MOUNTING FOR TILT-UP TYPE GARAGE DOORS
Richard B. Rogers, Orlando, Fla.
Application October 18, 1949, Serial No. 121,924
2 Claims. (Cl. 16-163)



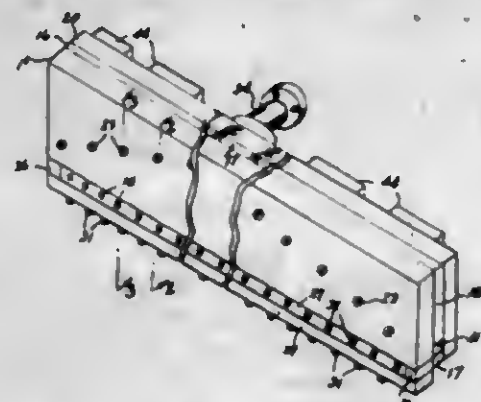
1. Mounting for a tilt-up door, adapted to be connected to a side edge of the door and to the adjacent jamb, said mounting including a bracket plate securable to the jamb, a lifting arm composed of a transverse portion journaled in said plate and long and short sections extending radially oppositely from said transverse portion on opposite sides of said bracket plate, the long arm being on the door side, a bar adapted to be secured along an intermediate portion of the side edge of the door, the end of said long section being pivoted to the lower portion of said bar, said bar being in a vertical position, a counterbalance spring connected to said short section adapted to be secured to the jamb below said short section, and a guiding arm shorter than said lifting arm pivoted at its ends to the

upper portion of said bar, and to said plate, co-operating with said lifting arm to support said bar in substantially horizontal position when said spring is in its minimum length position, and to support said bar substantially vertical when said spring is in its maximum length position, the axis of rotation of said lifting arm when said spring is in maximum length position being below the point of connection of said spring to said lifting arm and substantially in line with the direction of pull of said spring, and said guiding arm being inclined downwardly from its pivotal connection with said plate toward its pivotal connection with said bar, whereby the door must be bodily lifted until said guiding arm passes its horizontal position before said spring begins to exercise its counterbalancing function.

2,628,386

WEB EXTRUSION DIE

Henning T. Tornberg, Ridgewood, N. J., assignor to Modern Plastic Machinery Corp., Lodi, N. J., a corporation of Delaware
Application April 29, 1952, Serial No. 284,991
6 Claims. (Cl. 18-12)



1. A web extrusion die comprising a pair of opposite plate components, a V-shaped spacer component positioned between and in contact with each of said plates along a V-shaped lane respectively; one of said components having an opening at the vertex region of said V-shaped spacer for the introduction of a constant flow of plasticized material between the arms of said spacer and duct means along the arms of said spacer for the passage of a cooling agent directly lengthwise along the arms of said spacer; said duct means having openings outside the space between the arms of said spacer, for the entrance and exit of such cooling agent; the length of each of the arms of the spacer being comparatively large in relation to substantially all distances between the passageway for the cooling agent and the space between the said arms for flowing plasticized material.

2,628,387

MANUFACTURE OF TOY BALLOONS

Lucian Landau, Chingford, London, England, assignor to Latex Industries Limited, London, England, a British company
Application January 9, 1950, Serial No. 137,607
In Great Britain January 18, 1949
3 Claims. (Cl. 18-48)



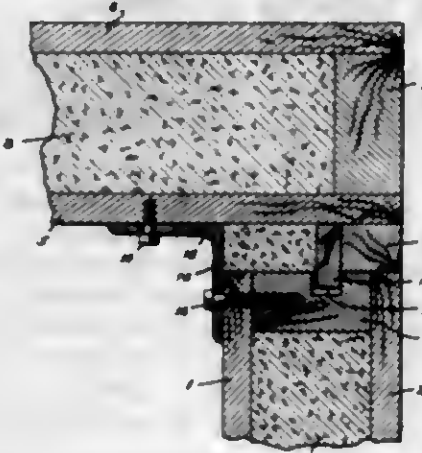
1. A method of removing toy balloons from the formers on which they are made by a dipping

process, which formers comprise a stem forming the balloon neck and an enlarged portion forming the body of the balloon, said method consisting in squirting a jet of lubricating liquid into the mouth of the neck portion, then applying mechanical displacing means to the balloon on the former, and then causing relative axial movement between the displacing means and the former to slide the neck portion of the balloon over the enlarged body portion of the former, the liquid causing the balloon to slide off the former without rolling up.

2,628,388

REFRIGERATOR CONSTRUCTION

John Poth, Mount Vernon, N. Y.
Application April 3, 1951, Serial No. 218,972
5 Claims. (Cl. 20-2)

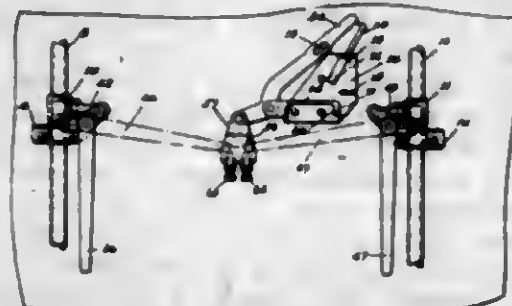


1. In a refrigerator construction having a vertical panel and a horizontal panel secured together to form a corner joint, said panels each comprising spaced inner and outer sheets of sheathing, said vertical panel including a runner having a horizontal surface forming an end surface of said panel, in combination, a runner interposed between said panels and secured to one of said panels, said runner being of a thickness substantially less than the thickness of the vertical panel and engaging a portion only of the end surface of said vertical panel and forming a space of substantial volume between the remainder of the end surface of said vertical panel and the opposed surface of said horizontal panel, and insulating material packed in said space.

2,628,389

LATERALLY MOVABLE DOOR

Gabriel Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application July 20, 1950, Serial No. 174,966
7 Claims. (Cl. 20-23)



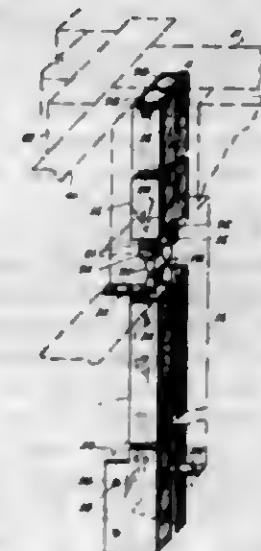
4. In a railway car having a wall provided with a door opening, a door for closing said door opening, means comprising a vertical bar rotatably mounted on said door for imparting movement thereto into and from said door opening, a clevis

secured to said bar for rotation therewith, a lever, means pivotally mounting said lever on said door for swinging movement parallel to said door, a link pivotally connecting said lever and clevis, a second lever, a bracket pivotally mounting said second lever on said door for swinging movement substantially parallel thereto and a sling pivotally carried by said second lever, said sling being adapted to receive the free end of said first mentioned lever, said sling being movable substantially parallel to said door by said second lever to impart swinging movement to said first mentioned lever and rotation to said bar.

2,628,390

WINDOW CONSTRUCTION

Arthur M. Starck, Norwalk, Conn.
Application August 25, 1949, Serial No. 112,264
7 Claims. (Cl. 20-52)

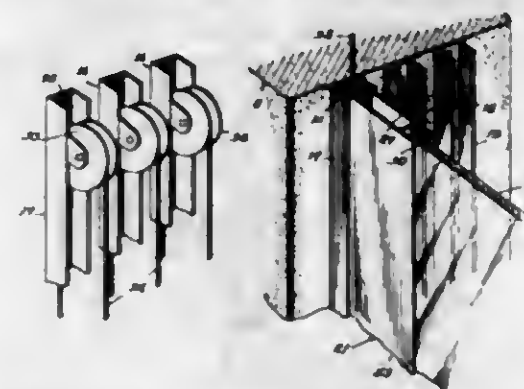


6. A combined parting bead and sash balance housing for a window frame having double hung sash comprising, in combination, an elongated channel-shaped upper member and an elongated 8-shaped lower member of similar transverse dimensions aligned with the upper member, the 8-shaped member having relatively narrow, longitudinally extending openings on opposite sides thereof.

2,628,391

WINDOW CONSTRUCTION

William E. Tourtelotte, Burlingame, Calif.
Application October 26, 1949, Serial No. 123,591
1 Claim. (Cl. 20-52.1)



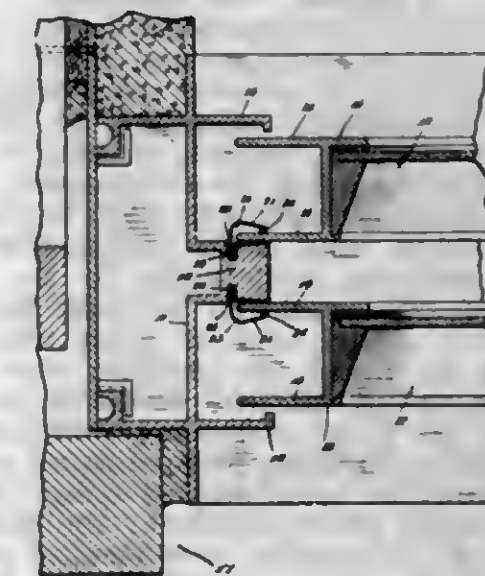
In a window assembly for supporting upper and lower sashes in a window opening having spaced vertical side walls, vertically spaced channel members secured to opposite vertical side walls of the window opening, said channel members opening into the window opening and defining within and between them vertically spaced sash runways, a pair of spaced laterally inclined arms

667 O. G.—38

2,628,392

WINDOW

Russell A. Gillespie, Indianapolis, Ind.
Application August 9, 1948, Serial No. 43,198
2 Claims. (Cl. 20-69)



1. In a double-hung window, a frame having side members provided with guideways slidably receiving window sash, said guideways being separated by a frame-rib, each of said sash having a flange adjacent said frame-rib, the sides of said frame-rib being undercut and provided with longitudinally extending grooves, and a weather strip formed to fit over said frame-rib and against the undercut sides thereof and having edge portions embracing said sash flanges, said strip being provided with retaining ribs received in said grooves and being formed of resilient material elastically distortable permit it to be applied to said frame-rib with said retaining ribs in said grooves.

2,628,393

METHOD AND APPARATUS FOR COATING METALLIC OBJECTS

Alfred P. Knapp, Jackson Heights, N. Y., assignor to Knapp Mills Incorporated, Long Island City, N. Y., a corporation of New York
Application May 16, 1950, Serial No. 162,160
7 Claims. (Cl. 22-58)



7. An apparatus for coating metallic objects comprising the combination of a container adapt-

ed to contain a molten pool of material, means for heating said container and material, a raft within said container having apertures there-through adapted to float in said molten pool, means for moving said raft down into the container to at least partially submerge it in the molten pool and for controlling the rise thereof in said molten pool, and means having a portion extending above the raft for transferring molten material from said molten pool to a position above said raft.

2,628,394

REPLICAS FOR USE IN THE PRODUCTION OF REFRACTORY MOLDS

Isabe E. Valyi, New York, N. Y., assignor to Emerik Imre Valyi, New York, N. Y.

No Drawing. Application June 17, 1950, Serial No. 168,860

4 Claims. (Cl. 22-196)

1. The method of producing refractory molds for industrial precision casting, which comprises embedding in an investment composition a plastic replica consisting essentially of polystyrene having an intrinsic viscosity in toluene of 0.142 to 0.75, corresponding to a calculated viscosity average molecular weight of 9,500 to 50,000, said replica having mold cavity forming parts with exterior surfaces conforming to the exterior surface of the article to be cast, having the property of being rigid at room temperature, softening at higher temperature with thermal expansion in an amount which is insufficient to injure the mold, and being completely combustible at mold firing temperature, subjecting the assembly to conditions of temperature and time to cause solidification of the investment, removal of the replica by softening and combustion to leave a mold cavity, and conversion of the solidified investment to a refractory mold.

2,628,395

POCKET CLIP

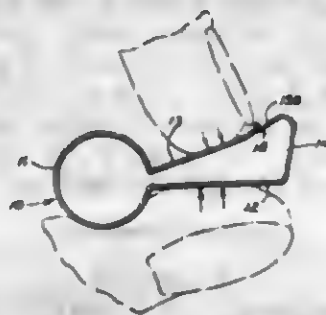
Ralph W. Richards, Jacksonville, Fla.
Application November 8, 1951, Serial No. 255,514

1 Claim. (Cl. 24-3)



A pocket clip comprising an elongated flat bar, a point at one end of said bar whereby said bar may be projected through a package, a locking bar pivotally carried by said first named bar adjacent said point and adapted to be turned to a locking position at right angles to the length of said first named bar, and a spring-pressed clip carried by the opposite end of said first named bar.

2,628,396
BAG CLOSURE
Louis M. Grimes and Ralph W. Amann,
Lemont, Ill.
Application October 5, 1950, Serial No. 188,627
1 Claim. (Cl. 24-30.5)

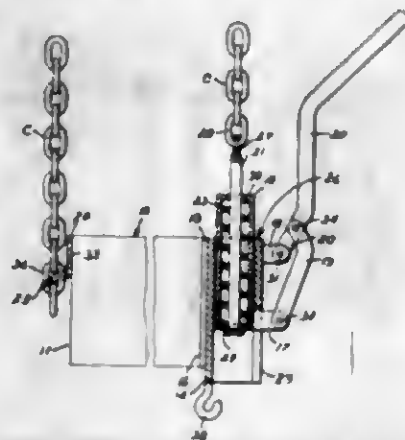


As an article of manufacture, a bag closure consisting of a flat strip of metal formed in keyhole shape when in closed position, said closure comprising an outwardly sprung loop portion and two legs extending outwardly therefrom, said legs being of a flat smoothly continuous leaf spring nature throughout their length, the first leg having a transversely bent portion at the free end thereof for completing the keyhole configuration when said closure is in its closed position, said first leg terminating in an integral hook directed inwardly toward said loop portion, said hook overlapping the free end of the second leg to prevent the legs from springing apart and to form a relatively smooth continuation of the outer surface of said second leg when said closure is in its closed position, the loop portion of the closure being substantially complete when the closure is in its closed position for the entrapment of the gathered neck of the bag closure, said loop portion being made of sufficiently thin spring metal and the degree of overlap of said hook with respect to the free end of the second leg being sufficiently small so as to enable the second leg to be freed from the hook by squeezing the loop portion with fingertip pressure in a direction to cause endwise retraction of the second leg from engagement of the end thereof from beneath said hook to permit said closure to spring to open position.

2,628,397

HOLD DOWN CLAMP

Buford W. Olson, Hopkins, Minn.
Application September 11, 1950, Serial No. 184,137
3 Claims. (Cl. 24-68)



1. Means for tensioning a binder for a load resting on a support, comprising an outer elongated cylindrical member adapted to be secured to said support and having an open end, a second elongated cylindrical member disposed within said first cylindrical member and having an outer diameter substantially equal to the

inner diameter of said first cylindrical member, said second cylindrical member having a radially inwardly directed flange adjacent one end thereof whose inner edge wall provides an aperture disposed axially of said second cylindrical member, an elongated rod extending through said aperture and into said second cylindrical member, said rod having binder engaging means on one end thereof externally of said second cylindrical member and having an annular shoulder adjacent the opposite end thereof slidably engageable with the inner wall of said second cylindrical member, a coil spring disposed within said second cylindrical member in surrounding relation to said rod and having its opposite ends respectively engageable with said flange and said annular shoulder, and manually operable means operatively engaged with said cylindrical members for moving said second cylindrical member axially inwardly of said first cylindrical member for compression of said spring between said flange and said annular shoulder, with said spring reacting on said annular shoulder for moving said rod axially inwardly of the said cylindrical members for tensioning said binder.

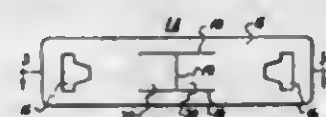
2,628,398

CLASP FOR BLOUSES

Irene M. Lavery, Philadelphia, and John H. Bird, Ambler, Pa.; said Bird assignor to said Lavery.

Application July 2, 1951, Serial No. 234,840

3 Claims. (Cl. 24-73)



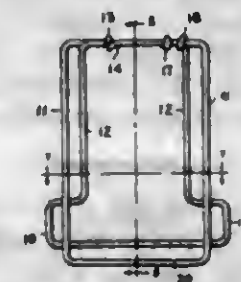
1. A clasp for securing a blouse to the waistband of a skirt comprising a thin flat stiff resilient body portion having means for detachably securing said body portion to the skirt, said body portion having a pair of spaced incisions of equal length and an incision connecting the midportions of said spaced incisions to provide a pair of resilient tongues meeting at the connecting incision for the reception of a portion of the blouse therebetween, the side marginal edges of the tongues in normal non-gripping position being contiguous to the corresponding edges of the body portion and the end marginal edges of the tongues being contiguous to each other.

2,628,399

THREE-PART CLAMP HOLDER

Albert J. Gore, Washington, D. C.
Application December 27, 1951, Serial No. 263,550

7 Claims. (Cl. 24-74)



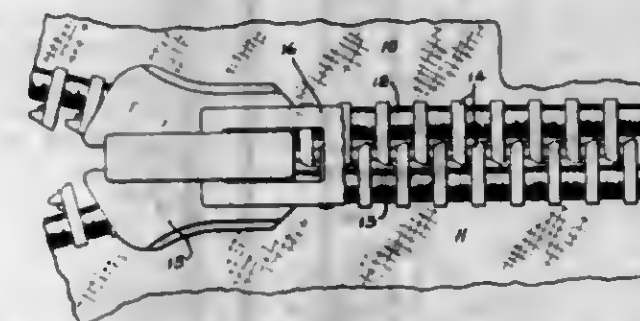
1. A three position fastening device comprising two connected generally symmetrical loops of continuous flexible wire-like material formed at each end with a guiding portion encircling the opposite end guiding portion, each loop having at least three adjacent sides with their major lengths closely parallel to the corresponding

sides of the other loop, said loops being slidably hinged together by said encircling end portions about an axis formed by said guiding portions remote from and parallel to the intermediate one of said sides to form a joint permitting both swivable movement of said loops towards and from each other and independent relative sliding movement of said parallel sides transverse to the axis of symmetry thereof, whereby the spaces between said parallel portions of said three sides are severally adjustable in width.

2,628,400

SLIDE FASTENER

Osborne Firing, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 6, 1949, Serial No. 119,966
2 Claims. (Cl. 24-205.13)

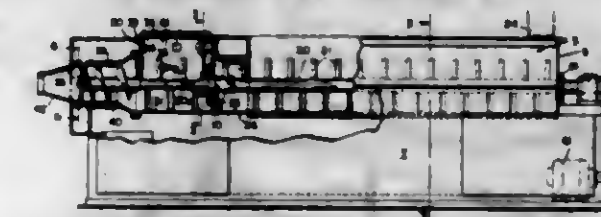


1. In a separable fastener, a pair of flexible stringers having cooperating series of fastener elements thereon, each element comprising a block-like body member with a head end, means for securing said elements about the edge of said stringers, each element head having a projection extending from one surface and a corresponding recess in the opposite surface, and an auxiliary projection on said element between the back side of said first mentioned projection and the adjacent surface of said element in position to be contacted by the outermost wall of the recess of a mating element and serving to prevent shifting of the elements when the spacing of the elements on said stringers is substantially greater than the thickness of the block-like body.

2,628,401

APPARATUS FOR REMOVING AIR FROM CERAMIC MATERIALS

Clifford O. Fiedler, San Gabriel, Calif.
Application January 22, 1952, Serial No. 267,641
4 Claims. (Cl. 25-11)

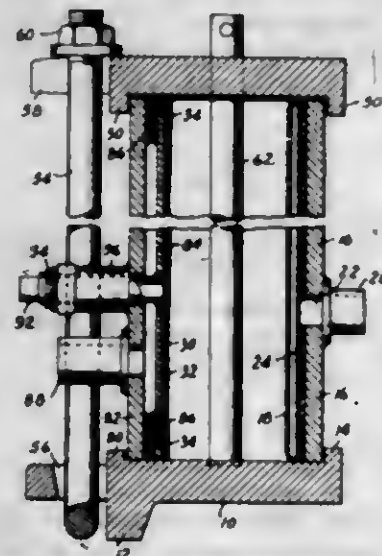


1. In apparatus for preparing plastic materials for molding, the combination of a casing for receiving the material, walls defining a vacuum chamber, the first of said walls forming an end wall for said casing, a discharge outlet opening through an opposite wall of said chamber, a shaft extending longitudinally of said casing and chamber and into said outlet opening, said shaft being journaled for rotation in said first wall, comminuting elements on said shaft pitched to move said material toward said opening; said first wall having extrusion apertures there-

through, and means cooperating with said apertures to open and close the same, said means comprising a disc mounted to rotate against said first wall and having apertures positioned to be moved into and out of register with the apertures in the first wall in response to rotation of said disc.

2,628,402 METHOD AND APPARATUS FOR MOLDING CONCRETE

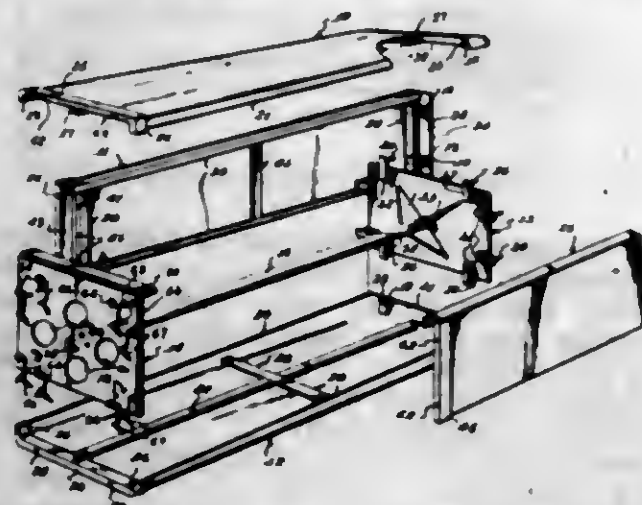
Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete, Inc., a corporation of Pennsylvania
Application February 20, 1948, Serial No. 9,679
14 Claims. (Cl. 25-30)



1. Apparatus for the production of tubular concrete bodies comprising an inner core member and an outer mold member, one of said members including an annular diaphragm and means to deform the same, the other of said members being capable of withstanding pressure imposed by said means but yieldable to permit limited deformation, a foraminous liner affixed to an inner surface of one of said members for engagement with an interposed body of concrete, and a removable member for sealing said core and outer mold members at one end.

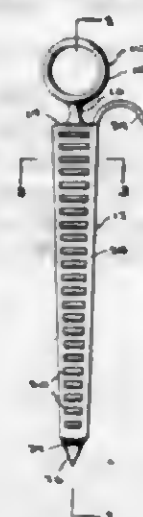
2,628,403 COLLAPSIBLE FORM FOR CONCRETE CRYPTS

Marion A. Garrison, South Pasadena, Calif., assignor to Glen Haven Memorial Park, San Fernando, Calif., a corporation of California
Application February 5, 1951, Serial No. 209,421
2 Claims. (Cl. 25-130)



1. A collapsible form for concrete construction comprising: separate side, top and bottom longitudinal wall members having forwardly presented sockets on their rear ends; a rear wall carrying rearwardly directed connecting elements to enter said sockets to hold the rear ends of said longitudinal wall members in assembled positions; a front wall; means to releasably connect said front wall with the front ends of said longitudinal wall members to hold the front ends in assembled positions; and structure connected with said rear wall and extending forward therefrom to retract the rear wall thereby to release the inner ends of said longitudinal wall members for removal of the members whereby said front wall and rear wall may be removed from a formed cavity to release said side, top and bottom longitudinal wall members for subsequent individual removal from the cavity.

2,628,404
TROCER
John M. Myers, Del Norte, Colo.
Application November 30, 1951, Serial No. 259,183
2 Claims. (Cl. 27-24)

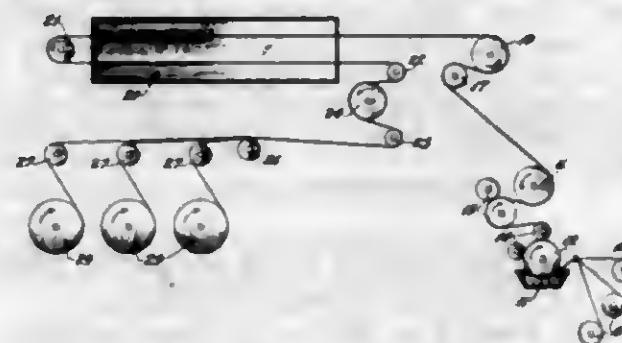


1. A trocar having its main application to edematous areas of a body and comprising a cannula formed as a tube of polygonal cross section open at opposite ends, one of the several side walls of the tube being of imperforate formation and having a drainage trough extending through substantially its entire length, each of the remaining side walls of said tube having a longitudinal series of drain openings for seepage of edemic fluid thereinto; and a plunger greater in overall length than and proportioned for extension into the cannula, the opposite ends of said plunger projecting beyond the respective ends of the cannula, said plunger having a handle at one end and having a tissue-penetrating point at its other end to facilitate insertion of the trocar into an edematous body area, said plunger being adapted to be wholly withdrawn from the cannula after extension of the trocar into said area, to expose the drain openings for seepage of the edemic fluid therethrough and for passage of said fluid longitudinally of the trough and out of one of the open ends of the cannula.

2,628,405
APPARATUS FOR TREATING YARN
Edward A. Wents, Jersey City, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application August 27, 1948, Serial No. 46,526
3 Claims. (Cl. 28-71.3)

1. In apparatus for treating a plurality of individual ends of yarn to increase the tensile strength thereof, the combination of a pull roll, power driven means for rotating said roll at a

given surface speed, a second pull roll, power driven means for rotating said second roll at a higher surface speed than said first roll, said rolls each having a plurality of lengthwise spaced, annular, V-shaped grooves provided by surfaces meeting at an included angle of approximately thirty degrees for frictionally engaging and wedging the yarn therein to prevent slippage



thereof in relation to said rolls, said grooves of each of said rolls corresponding in number and being arranged to cooperate for handling individual ends of yarn corresponding in number to the grooves of each of said rolls, and means arranged for guiding each individual end of yarn about each of said rolls for substantially less than one complete turn but at least about one half turn.

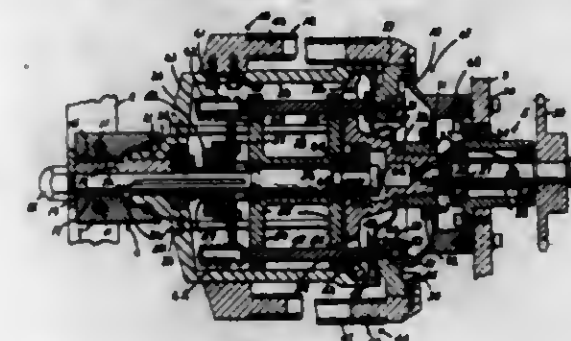
2,628,406
THREAD STORAGE-THREAD ADVANCING DEVICE
George M. Allen, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 9, 1949, Serial No. 109,387
4 Claims. (Cl. 28-71.6)



1. A thread supporting bar for a thread storage-thread advancing device comprising a hollow longitudinal extending member of glass having a smooth continuous unbroken top portion provided with a thread contacting portion thereon, a base portion spaced from the top portion by which the bar may be supported, spaced apart side portions connecting the top portion and the base portion that are integral with the top and base portions, and a reinforcing layer of tough elastic plastic material adhered to the inner surfaces of the top, bottom, and side portions of the bar said plastic material having reinforcing fibers therein.

2,628,407
THREAD-ADVANCING REEL
William B. Lowe, Springhaven, and Harry E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 19, 1949, Serial No. 111,139
13 Claims. (Cl. 28-71.6)

1. A thread-advancing reel comprising a set of fixed bars, a set of movable bars interdigitating with the fixed bars, means for imparting relative motion between the two sets of bars, the movable bars each having an inwardly extending projec-



tion from an end thereof, rods secured to the projections and extending parallel to the corresponding bars within the space encompassed by the set of bars, a shaft, means for supporting the rods comprising two axially spaced radially extending elements rotatably mounted on the

2,628,408
THREAD-ADVANCING REEL
William B. Lowe, Springhaven, and Harry E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 22, 1950, Serial No. 151,096
19 Claims. (Cl. 28-71.6)

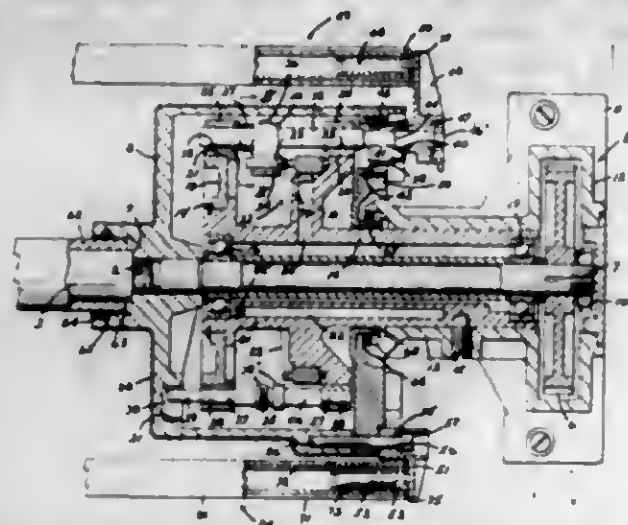


1. A thread-advancing reel comprising a set of fixed bars rotatable as a unit, a set of movable bars interdigitating with the fixed bars, means for imparting relative motion between the two sets of bars to advance a thread in a helical path from one end to the other of the reel, end supporting members, means for securing each bar to and between a pair of end supporting members in individually releasable and attachable fashion, the outer surfaces of the members being smooth continuations or extensions of the outer surface of the bars attached thereto to provide a continuous thread-carrying surface the entire distance between the ends of the supporting members.

2,628,409
THREAD-ADVANCING REEL
Horace P. Fry, Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 20, 1950, Serial No. 185,761
16 Claims. (Cl. 28-71.6)

1. A thread-advancing reel comprising a shaft, means for rotating the shaft, a housing for driving mechanism secured rigidly to the shaft, two sets of interdigitating bars, individual bracket members for fixedly securing one set of bars at their ends to the housing, a rotatable support in the housing rotatably mounted on an axis eccentric to that of the shaft, reciprocable rods

mounted in the support generally parallel to the shaft, cam means for reciprocating the rods, and

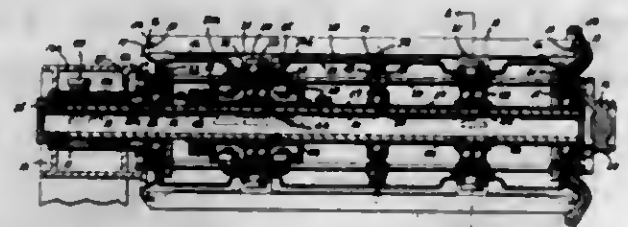


individual bracket members for securing the bars of the other set to the reciprocable rods.

2,628,410

THREAD STORAGE REEL

Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 8, 1947, Serial No. 772,839
12 Claims. (Cl. 28—71.6)

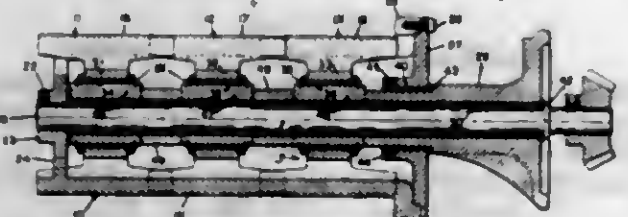


6. A thread supporting bar comprising a longitudinally extending member of resilient material having a longitudinally extending portion for contacting a thread and a stem-like supporting portion, the end portions of the thread supporting bar extending longitudinally and inclined in opposite directions with the thread contacting portion generally concave in a longitudinal direction said thread supporting bar being capable of being flexed and maintained under stress with the thread contacting portion extending in a straight line.

2,628,411

MULTISTAGE REEL

Kenneth M. McLellan, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 20, 1947, Serial No. 787,148
2 Claims. (Cl. 28—71.7)



1. A thread-advancing reel comprising, a stationary reel support, a shaft positioned in said support, a reel member concentrically positioned about said shaft and having a plurality of longitudinally extending bar members, a plurality of eccentric sleeves and spacing collars positioned about said shaft in an abutting relation, said

spacing collars being positioned between each pair of said eccentric sleeves, the axes of said sleeves being eccentric to the axis of said shaft, means for preventing rotation of said eccentric sleeves and collars relative to each other and said support, said means including serrated end surfaces of said support and eccentric sleeves and collars, and a plurality of reel members having longitudinally extending bar members positioned for rotation about said stationarily held eccentric sleeves, said plurality of reel members being disposed in an end-to-end relation and their bar members being in an alternate relation with the bar members of concentrically positioned reel member.

2,628,412

METHOD AND APPARATUS FOR CUTTING SYNTHETIC FIBER FABRICS

Edward F. Vera, New Bedford, Mass., assignor to Hava Development Co., Inc., New Bedford, Mass., a corporation of Massachusetts
Application May 27, 1950, Serial No. 164,652
7 Claims. (Cl. 28—72)

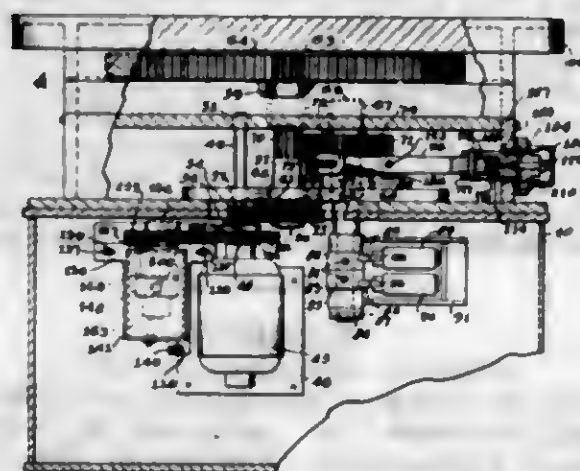


1. The method of cutting woven synthetic fibre sheet material, comprising arranging a sheet which is to be cut between two electrodes of a high frequency electrical circuit, moving the sheet and the electrodes relatively in the direction of the desired cutting thereby to move woven synthetic elements of the sheet in rapid succession into the gap between the electrodes, energizing the circuit to provide a high frequency arc across said gap for severing each said element coming into the gap and for fusing together the severed ends of successive elements along each cut edge of the sheet material.

2,628,413

TURRET CONTROL MECHANISM

Thomas L. Hallenbeck, Toledo, Ohio, assignor to Baker Bros. Inc., Toledo, Ohio, a corporation of Ohio
Application May 16, 1947, Serial No. 748,833
8 Claims. (Cl. 29—38)



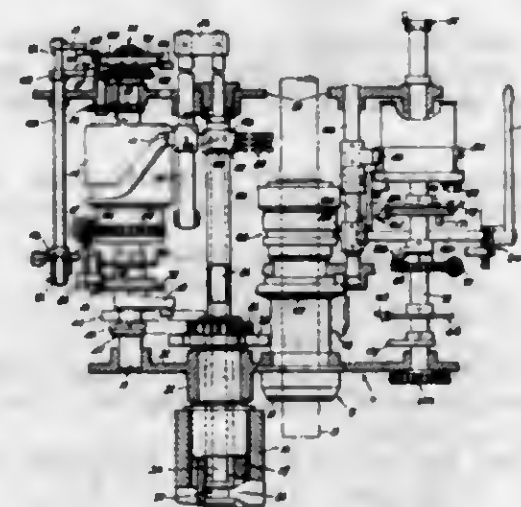
1. In combination, a frame; a work supporting table arranged for movement to two or more positions relative to said frame; an electrically energizable motor having high slip, high torque characteristics; means arranged between the motor and the table for transmitting power from

the motor to the table; indexing means for determining relatively stationary positions of the table; torque adsorption means including a fluid pump connected to and driven by said motor, valve means for rendering said torque adsorption means effective to reduce the speed of said motor and table while said motor is energized, and means dependent upon the relative position of the table for controlling the operation of said valve means.

2,628,414

AUTOMATIC MACHINE TOOL

Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application January 15, 1948, Serial No. 2,363
14 Claims. (Cl. 29—43)



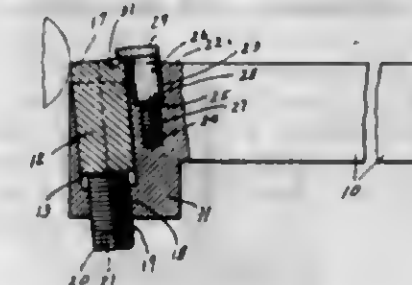
5. In a machine of the character indicated, a spindle, a multiple-station tool turret, a turret camshaft, a turret-indexing mechanism driven by said turret camshaft, a high-speed drive, a variable slow-speed drive, means carried with said turret and therefore indexed upon an indexing of said turret for changing the speed of said slow-speed drive, said means including cam means providing separate speed control for a plurality of indexed positions of said turret, whereby speed-changes in said slow-speed drive may be effected only and assuredly during an indexing of said turret, and means connecting said high-speed drive to said turret camshaft at least during the indexing of said turret, whereby speed-changing of said slow-speed drive may be effected while said slow-speed drive has been relieved of its load.

2,628,415

TOOLHOLDER

Thomas J. Brown, Muncie, Ind.
Application April 21, 1950, Serial No. 157,360
1 Claim. (Cl. 29—96)

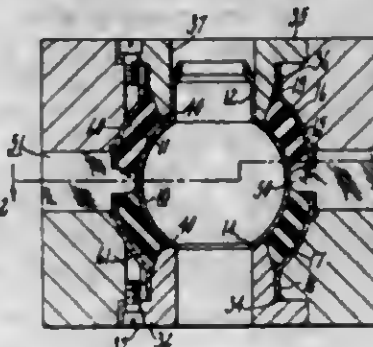
A polygonal bit holder comprising a shank, a head having an inclined polygonal bit receiving socket formed therein opening on the upper face thereof, a polygonal bit positioned within said socket, a portion of the upper socket-defining walls of said head being relieved to expose a cutting edge of said bit, adjustable clamping means carried by said head and being operable to engage the bottom end of said bit for longitudinal adjustment thereof within said socket, said head having a threaded bore formed therein adjacent to and parallel with said socket, said bore including a peripheral shoulder defining an upper bore



gageable with said bore shoulder, said head portion being normally engageable with the upper end of said bit for retaining it in a predetermined cutting position and having a segment thereof omitted whereby upon rotation of said member said head portion thereof clears said bit to permit removal thereof from said socket.

2,628,416

METHOD OF MAKING UNIVERSAL JOINTS
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 6, 1949, Serial No. 131,287
2 Claims. (Cl. 29—148)

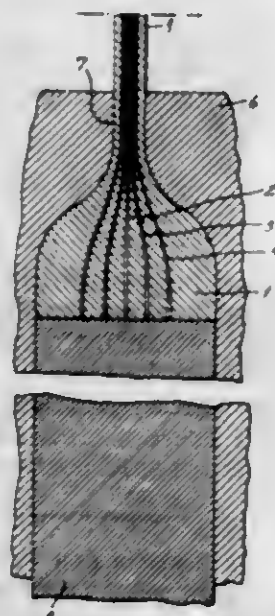


1. The method of making a universal joint comprising: providing a torque-carrying interior member having a substantially spherical surface and a torque-carrying exterior member having a substantially spherical surface adapted to surround said first spherical surface in spaced relation therewith, said exterior member being formed in two parts adapted to be moved axially relative to said interior member to bring said interior and exterior spherical surfaces into substantial concentricity, locating said interior member as an insert in a vulcanizing mold, locating as inserts in said mold said two separate parts of said exterior member in mutually axially spaced relation with one another on opposite sides of said spherical surface of said interior member, then molding elastic rubber material in the intervening space between said spherical surfaces and thereby simultaneously bonding said rubber material to said spherical surfaces, removing the vulcanized unit from the mold, then forcing said axially spaced parts of said exterior member toward one another until said interior and exterior spherical surfaces are forced into substantial concentricity and permanently fixing said parts together to permanently retain said rubber radially compressed and axially elongated from its original molded shape.

2,628,417

METHOD OF PREPARING PERFORATE BODIES

Ivan Peyches, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application January 27, 1950, Serial No. 140,811
In France January 31, 1949
2 Claims. (Cl. 29-148)

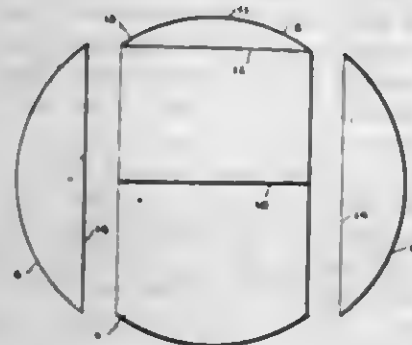


1. The method of making an object with fine holes that comprises forming a metal blank with holes of coarser size than desired in the finished product, inserting in the holes a glass wand having a softening point not materially greater than that of the blank, heating blank and wands to the softening point of the glass wands, reducing the cross section of the blank, the holes and the wands by extruding the said blank through an orifice of lesser cross sectional area than the blank, dividing the extruded piece into sections, and removing the lengths of the wands from the sections.

2,628,418

METHOD OF FORMING MULTIPLE SEGMENT TANKS

Raymond J. Branson, Tulsa, Okla., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla., a corporation of Oklahoma
Application April 4, 1949, Serial No. 85,337
4 Claims. (Cl. 29-148.2)



1. The method of forming a spherical container from three pre-formed segments of partially spherical shape which consists of forming a tubular center segment by rolling and welding a rectangular plate having predetermined values

of width and length in accordance with the following equation:

$$\text{Width} = \frac{\pi \times D \times \text{arc sine } W/D}{180}$$

$$\text{Length} = \frac{180}{\text{arc sine } W/D}$$

wherein:

D=the desired diameter of the finished sphere
W=the length of the chord between the axial ends of the partially spheriformed center segment.

spheriforming the tubular segment so that the entire segment is of substantially spherical configuration, forming each of the remaining segments into a substantially spheriformed disc from a circular flat disc having a pre-determined diameter in accordance with the following equation:

$$\text{Diameter} = \sqrt{2D(D-W)}$$

wherein:

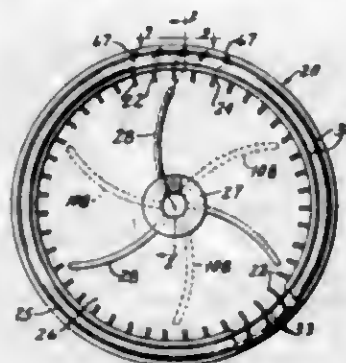
D=the desired diameter of the finished sphere
W=the length of the chord between the axial ends of the substantially spheriformed center segment.

butt welding one of said spheriformed discs to each end of the spheriformed center segment.

2,628,419

BLOWER

Carl E. Wilken, New Lebanon, Ohio, assignor to The Lau Blower Company, Dayton, Ohio, a corporation of Ohio
Application November 22, 1946, Serial No. 711,785
8 Claims. (Cl. 29-156.8)

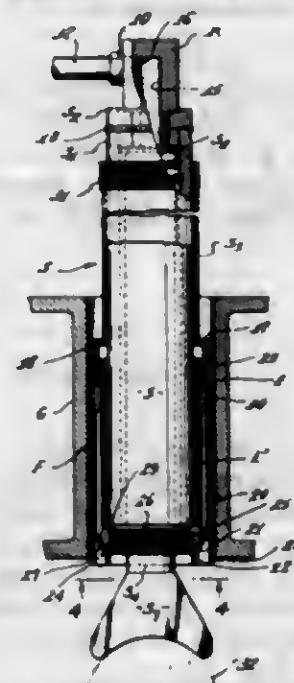


1. The method of manufacturing a blower wheel of the character described utilizing a plurality of separately formed axially extending blades and a pair of end members each having thereon an annular surface in face to face relation with the adjacent ends of said blades, said end members also having projections thereon located upon said annular surfaces and presenting substantially uninterrupted edge portions of materially smaller area than said surfaces, including the steps of arranging said separately formed blades in circumferential relation about a central axis, locating said end members at the opposite ends of said circumferentially arranged blades with said edge portions of said projections on said end members overlying and in contact with the ends of said blades to limit the area of contact of each said blade end with each said projection to an area correspondingly less than the entire area of said blade end, and autogenously welding said contacting portions of said blades and said projections together while confining said autogenous welding substantially to the overlying areas of said projections and said blade ends.

2,628,420

SLEEVE EXTRACTOR

Edwin E. Skilling, Chula Vista, Calif., assignor to International Tool Corporation, Chula Vista, Calif., a corporation of California
Application August 18, 1948, Serial No. 44,507
4 Claims. (Cl. 29-252)

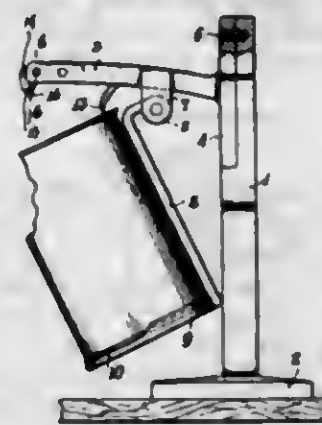


4. A sleeve extractor applicable to the cylinder and piston of a hydraulic ram comprising: an expander fixed to said cylinder and a multiple fingered extractor borne by said cylinder for axial movement relative to said expander, said expander having an annular head of frusto-conical cross section tapering downwardly and inwardly toward said piston, and the fingers of said extractor having frusto-conical terminal portions bearing against and cooperating with said expander head whereby said finger terminals are expanded and retracted in response to the axial movement of the extractor, for, respectively, engaging the finger terminals with a sleeve to be extracted and normal positions of disengagement with such sleeve, said expander head being internally threaded for attachment to said cylinder and externally threaded for attachment to the extractor, whereby while the expander is held stationary on the cylinder the extractor may be rotatably adjusted on the expander to effect corresponding axial adjustment of the extractor relative to the expander, and means borne by said cylinder for operating the extractor.

2,628,421

CAN OPENER

James H. Crews, San Marcos, Tex., assignor to The First National Bank of San Marcos
Application October 24, 1949, Serial No. 123,269
1 Claim. (Cl. 30-6.1)



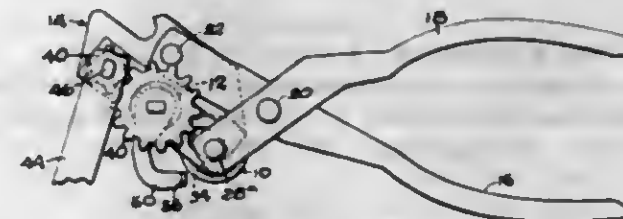
A can opener comprising, a stand, a bracket extending forwardly from the stand and whose

free end is provided with a slot, lugs spaced apart and depending from the bracket a hanger whose upper end is rearwardly turned at substantially right angles and pivoted between the lugs and depending therefrom, a platform secured to the lower end of the hanger and extending forwardly therefrom to receive a can, a shank secured in said slot formed with a shoulder and a depending punch beneath the shoulder and a blade whose shank is countersunk into the under side of the bracket between said lugs and whose forward end is downwardly curved and formed with cutting side edges and terminating in a point, said hanger being movable forwardly and positioned to carry the top of the can on the platform into contact with said blade and punch to perforate said top.

2,628,422

CAN OPENER

Lucien I. Yeomans, Chicago, Ill., assignor to Mrs. Martha F. Watta, Chicago, Ill.
Application August 9, 1949, Serial No. 109,296
2 Claims. (Cl. 30-15.5)

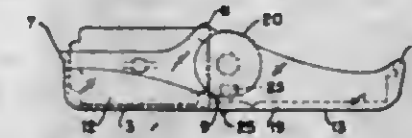


1. In a circular shear type of opener for cans having a body wall and an end wall sealed together by an upstanding double seam, the combination comprising a stepped plate having a cam slot therein, a pair of pliers-type handles pivotally connected intermediate their ends with the inner end of one pivoted on said plate, a first supporting member fixed adjacent the inner end of the other of said handles and extending through said cam slot, a cutting disk journaled on said supporting member and having a cylindrical body portion and a peripherally disposed shearing shoulder rigid therewith, a second supporting member journaled in said plate, a serrated feed roller rigid with said second supporting member, crank operated reduction gearing including a driven gear element rigid with said second supporting member and effective to drive said feed roller, said feed roller and the body portion of said cutting disk being engageable respectively with the inner and outer surfaces of the cam seam and said shearing shoulder being adapted to penetrate the body wall of the can adjacent to and below the end wall thereof upon scissoring together of said handles, and a substantially L-shaped latch pivoted on one of said supporting members and engageable with the other to maintain said roller and disk in engagement with the can seam.

2,628,423

RAZOR BLADE HOLDER AND SHEATH

Hermann F. Cuntz, Kew Gardens, N. Y.
Application November 7, 1946, Serial No. 708,423
1 Claim. (Cl. 30-156)



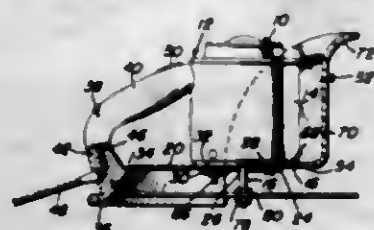
A compact unitary pocket article consisting solely of a holder and a sheath member for a

double cutting edge safety razor blade connected for articulation to protect a protruding cutting edge of a blade and alternatively free the edge for cutting and afford a manipulating holder therefor, said holder member having a narrow slot open its full length on one side and closed at both ends and its bottom to receive one knife edge of a razor blade laterally, and the yielding walls of the slot being adapted to spring apart when the blade is inserted to maintain a clamping fit on its sides, and said sheath member having a laterally open pocket extending lengthwise to cover the protruding edge of a blade in the holder member and having one end partly bifurcated with a yielding cheek and a pintle boss on the inside thereof adapted to be spread over one end of the holder for the boss to register with and snap onto a bearing on said end of the holder, thereby providing the hinge for articulation of both members and forming a two-piece unitary article, and a snap catch formed at the other end of the sheath to retain both members of the article in closed position while permitting ready manual release to expose the blade.

2,628,424

TRANSPARENT CUTTER GUIDE

John McMillan and Helen McMillan, Elko, Nev.
Application September 21, 1950, Serial No. 185,991
4 Claims. (Cl. 30-278)

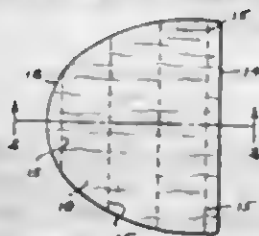


2. An electrical cutter comprising a motor having a vertically extending shaft, a housing disposed about said motor, said housing having a bottom wall, a semi-circular shield attached to said bottom wall concentrically with said shaft, a peripheral outwardly flared flange on said shield, said shaft extending through said bottom wall, and a cutter carried by the lower end of said shaft, a transparent guard including a U-shaped portion having the ends thereof secured to said shield, and an upstanding longitudinally arcuate portion carried by said U-shaped portion, said upstanding portion having an outwardly flared flange on its upper edge.

2,628,425

DENTURE PAD

Joseph Rosner, Jr., Speedway City, Ind.
Application July 22, 1950, Serial No. 175,435
3 Claims. (Cl. 32-2)



1. A denture pad comprising a cotton batt having the fibers therein generally arranged to be substantially parallel longitudinally of the pad; and stitching extending in lines at intervals transversely across the pad; the spacing apart of said lines exceeding the lengths of said fibers; said stitching having its loops elastically compressing the cotton therein; whereby the

pad, within the controlled limits of further possible compression of the cotton within said loops due to pull on the stitching along said lines thereof, may be stretched transversely, and also the pad may be stretched to a greater degree longitudinally between said lines.

2,628,426

AUXILIARY SIGHT FOR TWILIGHT FIRING OF SMALL ARMS

Charles E. West, Buffalo, N. Y.
Application October 11, 1950, Serial No. 192,895
1 Claim. (Cl. 33-47)

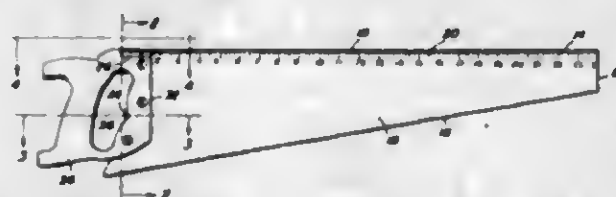


An auxiliary sight for a firearm having a front sight, said auxiliary sight comprising a single piece of wire having an inner resilient core and an outer surface of aluminum alloy, said wire having a loop to engage said front sight of the firearm and arcuate portions integral with the loop to grip resiliently the barrel of the firearm.

2,628,427

SQUARE SAW AND LEVEL

Harry C. McConnell, Harpster, Idaho
Application November 2, 1949, Serial No. 124,988
1 Claim. (Cl. 33-75)



For use with a saw having a blade, said blade being provided with a longitudinal straight edge and having graduations cooperating with said straight edge and defining the major portion of a scale; a handle constituting a complement for said scale, said handle having first and second marginal edge portions at right angles to each other, said first marginal edge portion being bifurcated and providing furcations adapted to straddle an end of said blade, said second marginal edge being chamfered to provide bevels converging toward each other, said bevels being provided with graduations adapted to cooperate with said graduations on said blade, said second marginal edge portion being provided with shoulders at right angles to the last-recited edge portion, said shoulders being disposed adjacent the inner ends of said bevels, said shoulders thus constituting zero points for the graduations on said bevels.

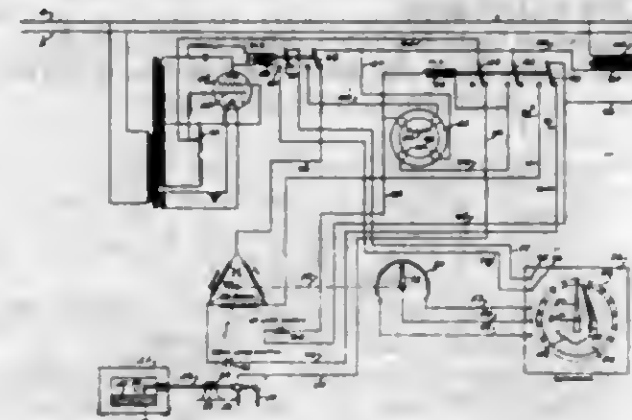
2,628,428

GLASS LEVEL GAUGE AND RECORDER

Verney G. Polltsch, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 23, 1948, Serial No. 34,687
8 Claims. (Cl. 33-128)

6. Apparatus for gauging the level of molten glass in a tank, said apparatus comprising a probe extending over the glass, an electrode carried by said probe, a reversible motor, means providing operating connections between the motor and the probe for actuating the probe and moving

the electrode up and down, from and to the molten glass, said motor comprising a reversible rotor, means for supplying operating current to the motor, electrical control means including means for stopping the motor when the electrode makes contact with the molten glass, a time delay relay, means for establishing a control circuit for the relay when the electrode makes contact with the glass and causing the relay to operate after a predetermined time interval to complete a

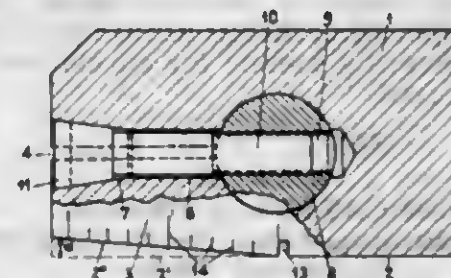


control circuit for the motor and start it in the direction to lift the electrode out of contact with the glass, automatic means for reversing the motor when the electrode has been lifted to a predetermined height, a recorder, and means for causing the recorder to register the position of said electrode each time the motor is brought to rest with the electrode in contact with the glass and preventing registration of the position of the electrode at any time while the electrode is out of contact with the glass.

2,628,429

MEASURING LEG WITH AN ADJUSTABLE MEASURING SURFACE FOR GAUGES

Curt Herzstark, Mauren, Liechtenstein
Application April 6, 1950, Serial No. 154,244
In Austria April 8, 1949
2 Claims. (Cl. 33-168)

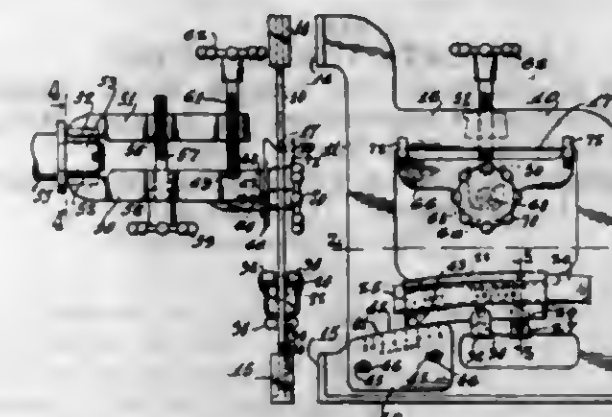


1. A measuring leg adapted for fabricating temporary and stationary horseshoe gauges and calipers with an angularly adjustable measuring surface comprising a body and a longitudinally extending tongue integral with said body and provided with a measuring surface, means for adjusting said tongue relative to said body for adjusting the measuring surface, said tongue being formed by a longitudinally directed slot and forming a yieldable portion of said measuring leg, there being provided a transverse bore at the bending point of said tongue, said bore causing a reduction of the cross-sectional area of the tongue at said point, a shaft being inserted in said transverse bore, and a threaded cross bore being formed in said shaft adapted to receive a threaded portion of said aforesaid adjusting means.

2,628,430

WHEEL GAUGE

Thomas F. Krumm, Toledo, Ohio
Application December 10, 1948, Serial No. 64,553
3 Claims. (Cl. 33-203.18)

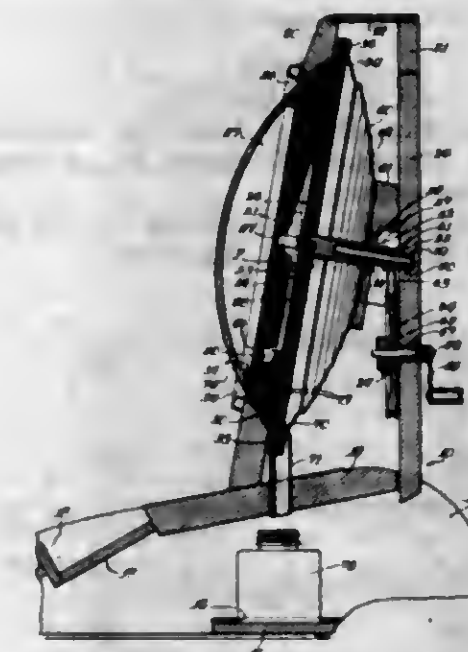


3. Gauging means of the character described including a frame; a liquid spirit indicator carried by the frame; a member slidably supported upon the frame and having graduations thereon cooperable with the liquid spirit indicator; means for suspending the frame including a support formed with spaced V-shaped portions; clamping means for securing the frame suspension support to a vehicle wheel spindle; said suspension support being adjustable with respect to the clamping means for adjusting the relative position of the frame with respect to the wheel spindle, said frame having a bar shaped portion engageable in said spaced V-shaped portions.

2,628,431

FOUNTAIN PEN CLEANING DEVICE

Dave Chapman, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application September 27, 1949, Serial No. 118,100
13 Claims. (Cl. 34-58)



1. A device for centrifugally expelling ink or other liquid from a fountain pen comprising a fountain pen holder, means mounting said holder for rotation about an axis and in a position to support a fountain pen on said holder with its writing end extending outwardly away from said axis, a casing substantially enclosing said holder and at least a portion of said mounting means, and including a relatively fixed section and a relatively movable section, and common movable supporting means supporting said holder, mount-

ing means and relatively movable casing section for movement as a unit away from said relatively fixed section to render said holder accessible for attachment or removal of a fountain pen.

2,628,432

DELICATE GOODS DRIER

Harold E. Morrison, St. Joseph, Mich., assignor to Whirlpool Corporation, St. Joseph, Mich., a corporation of New York
Application May 14, 1951, Serial No. 226,139
5 Claims. (Cl. 34-68)

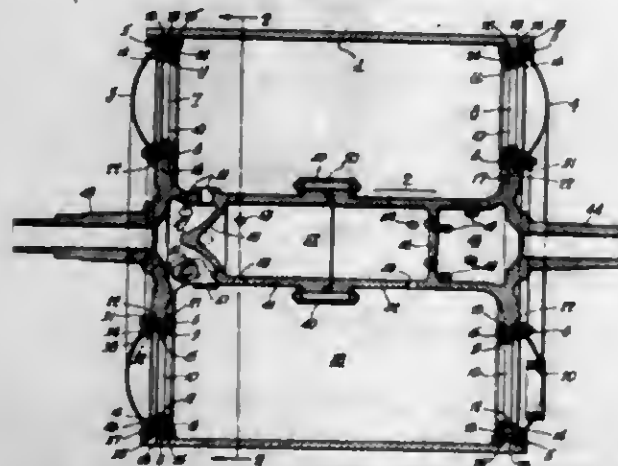


1. In a clothes drier, a cabinet, a drier drum rotatably mounted within said cabinet, an opening in a wall of said cabinet confronting an open end of said drier drum, a door closing said opening, said door having a wall spaced inwardly of the inner margins of said door defining a recess for receiving clothes for drying, vent means for venting said recess, and shelf means in said recess for holding delicate clothes for drying by the heat generated within said cabinet.

2,628,433

YANKEE DRIER

Harry M. Osterlag, Drexel Hill, Pa., assignor to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania
Application May 25, 1950, Serial No. 164,109
10 Claims. (Cl. 34-124)



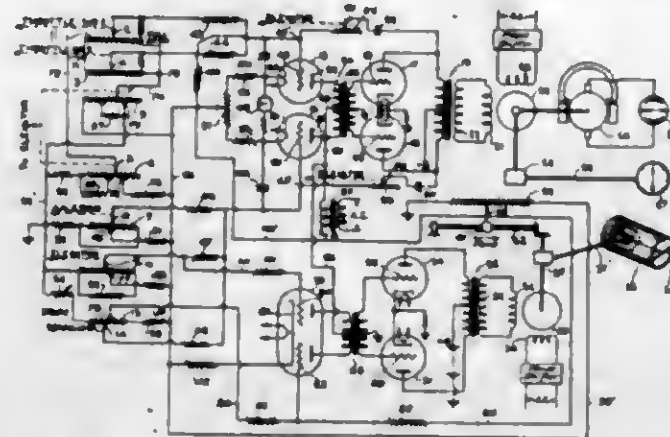
1. A Yankee dryer comprising in combination a cylindrical shell forming the working surface of the dryer, an axial shaft in said shell, a head member at each end of the shell attached to the shell and to the shaft and forming with said shell and shaft an enclosed chamber for steam under pressure, said shaft and shell constituting

the inner and outer walls respectively of said chamber, and the head members forming the end walls of the chamber, and a member at each end of and within said chamber supporting the shell in coaxial relation on the shaft and relieving the head members of shell supporting function.

2,628,434

AIRCRAFT TRAINING APPARATUS WITH VERTICAL AIR-SPEED INDICATION AND CONTROL

Richard Carl Dehmel, Short Hills, N. J.
Application May 25, 1946, Serial No. 672,210
14 Claims. (Cl. 35-12)

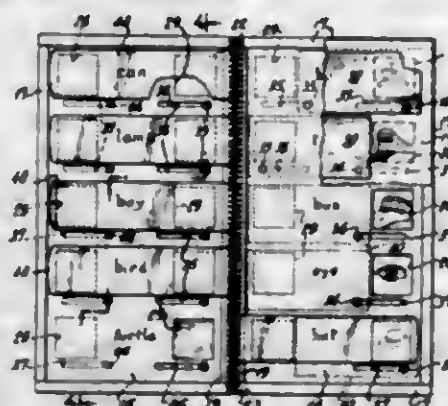


1. Flight training apparatus of the type operable by simulated aircraft controls comprising a computing network including voltage deriving means adapted for operation by an elevator control for deriving a voltage representing lift acting on the aircraft, means for modifying said control voltage in accordance with operation of a throttle control for affecting magnitude of said lift, additional voltage deriving means also operated according to the positioning of said elevator control, a pitch indicating element of an artificial horizon, vertical air speed indicating means, and means including an electro-mechanical system responsive to control voltages from all said voltage deriving means for operating said pitch element and said vertical air speed indicating means, said system including in addition to said elevator control electrical means interconnecting the operating means of said pitch element and said indicating means for correlating the indications thereof.

2,628,435

EDUCATIONAL DEVICE

Frank M. Minninger and Evelyn S. Minninger, Rochester, Mich.
Application August 13, 1949, Serial No. 110,068
9 Claims. (Cl. 35-35)



1. An educational device of the character described, comprising two facially adjacent layers of sheet material, each of said layers having a

series of spaced indicia displayed on the outer face thereof, one of said layers having an opening formed therein adjacent each of said indicia appearing thereon, the other of said layers having an opening formed therein adjacent each of said indicia appearing thereon, a plurality of slidable members positioned intermediate the two layers for slidable movement therebetween, visual representations positioned to be visible through each opening upon predetermined movement of said slidable members, said representations corresponding to the indicia adjacent the respective openings, each of said movable members being positioned to underlie an opening in said layers and being selectively movable for selectively exposing and concealing independently of the other members at one of said openings in either of said layers one of said visual representations corresponding to the adjacent indicia.

2,628,436

MOUNTING FOR LARGE GLOBE MADE UP OF HEMISPHERICAL SECTIONS

Raymond B. Dupler, Toledo, Ohio
Application December 30, 1950, Serial No. 203,608
4 Claims. (Cl. 35-46)



1. A globe mounting comprising an external support, a pair of semi-spherical translucent globe sections in abutting relation, each having an aperture diametrically opposed to each other when the sections are assembled, an internally threaded bushing in one aperture and connected to the respective globe section, a member in threaded engagement with said bushing and having a head at the outer end connected for turning movement with respect to said support, a socketed inner end portion on said member projecting inside of the respective globe section, a bushing fitting the aperture of the other globe section having a flange connected to said section on the outside and with a portion projecting inside said section, a ring threadedly engaging the outside of said socket end portion, a wire cage fixed at one end to said projecting bushing portion and at the opposite end to said ring, an elongate tube of translucent material arranged within said globe sections, a pin on the inner end of said tube fitting the socket of said end portion, the opposite end of said tube being within said second bushing, means carried by said cage for guiding said tube into engagement with the socketed end portion during the mounting of the tube, a fixture for an electric lamp within said tube, and detachable means for connecting said fixture to the adjacent portion of said support.

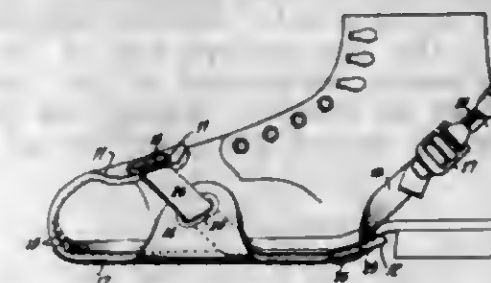
2,628,437

ANTISLIP DEVICE

Edwin C. Forsythe, Schenectady, N. Y.
Application August 19, 1949, Serial No. 111,187
5 Claims. (Cl. 36-7.7)

1. In an anti-slip device adapted for attachment to a shoe, the improvement comprising a

blank of flexible material provided with a plurality of calks interlockingly secured to one side thereof and adapted grippingly to engage a surface to be tread upon, and a sheet of flexible material, having embedded along its surface a coat-

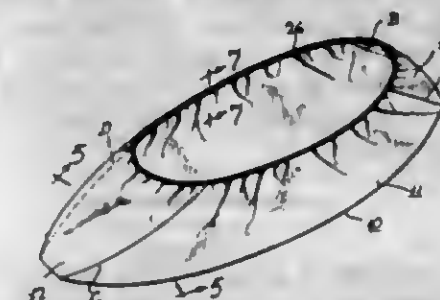


ing of abrasive material, secured to said blank on the side thereof opposite said calks; whereby frictionally to engage the sole of said shoe to prevent relative slippage between the same and said blank.

2,628,438

ONE-PIECE FABRIC FOOT PROTECTOR

Morton G. Luchs, New York, N. Y., assignor to J. W. Landenberger & Co., Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1950, Serial No. 190,329
1 Claim. (Cl. 36-10)



A blank for a one-piece foot protector comprising a heel portion having one straight outer edge and a pair of initially parallel sides at right angles to said straight edge said sides curving inwardly and terminating in spaced relation with each other; a body portion formed integrally with said heel portion comprising initially outwardly convex arcuate ends extending from the termini of the said sides of the heel portion and terminating in straight lengths of the same extent as the parallel sides of the heel portion, arcuate sides for the body portion extending from the termini of the body portion ends and curving concavely inwardly and angling toward the longitudinal axis of said body portion to substantially midlength of said body portion and thence convexly inwardly and angling toward the longitudinal axis of said body portion and towards the front of the body portion and terminating in spaced relation with each other; and a toe portion formed integrally with said body portion at said front end thereof and comprising a concave arcuate outer front edge, and a pair of convex arcuate sides connecting the termini of the inwardly curving body portion sides and the termini of the outer front edge of the toe portion.

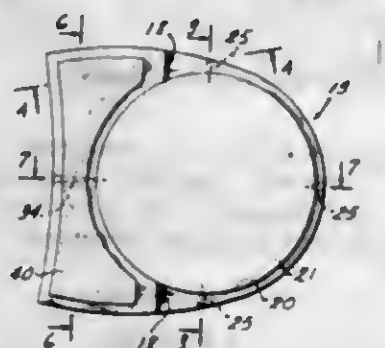
2,628,439

ROTATABLE AND REVERSIBLE HEEL ELEMENT

Raymond Rochlin, New York, N. Y.
Application May 24, 1951, Serial No. 228,053
3 Claims. (Cl. 36-36)

1. A shoe heel assembly including a heel element having a side wall and having top and bottom faces that can be used interchangeably as

wearing surfaces for the assembly, a holder having a socket in which the heel element is retained, the top face of the socket being fixed and immovable with respect to the remainder of said holder, the top face of the heel element pressing directly against the fixed top face of the socket and being movable into different angular positions about the longitudinal axis of the socket, the heel element being held at the same level in the holder by pressing against the fixed and immovable top wall of the socket for all angular

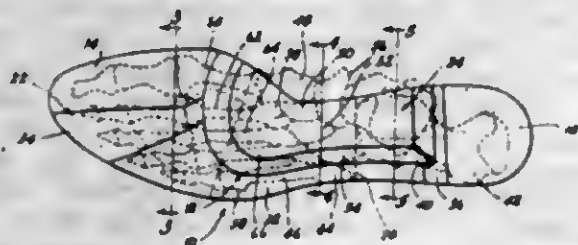


positions of the heel element around the longitudinal axis of the socket, the bottom face of the holder at the front of the socket being substantially flush with the fixed level of the bottom face of the heel element, and the bottom face of the holder being substantially higher than said fixed level of the bottom face of the heel element at the rear and for a distance around the sides of the heel element to a location ahead of that where the heel element and socket are of maximum transverse width.

2,628,440

FOOT BALANCING MEANS

Charles P. Leydecker, Normandy, Mo.
Application February 12, 1951, Serial No. 210,534
6 Claims. (Cl. 36-71)



1. A device for insertion in a shoe for supporting selected portions only of a foot at predetermined different elevations above an insole comprising means for supporting the anterior portion of the os calcis of a foot at one elevation, means for supporting both the base and the forepart of the fifth metatarsal at another elevation, and means for supporting the portion of the sole of a foot adjacent the inner edge thereof and extending from beneath the anterior portion of the os calcis to the anterior portion of the first metatarsal at elevations which vary in magnitude between the one elevation and the other elevation aforementioned.

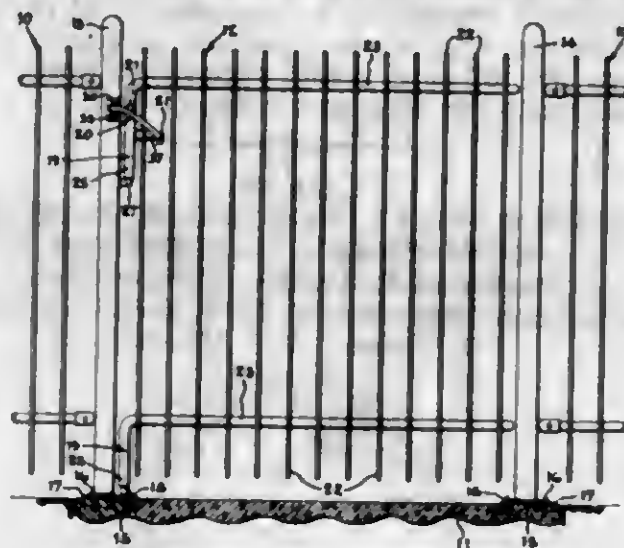
2,628,441

CAM OPERATED SELF-CLOSING GATE

Winford L. Engstamer, Cincinnati, Ohio
Application March 12, 1951, Serial No. 215,140
4 Claims. (Cl. 39-55)

1. A self-closing gate structure comprising, a gate having upper and lower horizontal stringers formed of tubular stock, the said stringers having end portions which are bent downwardly substantially at right angles to form vertical sockets

at the hinged side of the gate, said sockets being of substantial length and having closed upper ends and open lower ends, a gate post having upper and lower vertically projected hinge pins of substantial length extending telescopically into the said sockets to pivotally mount the gate upon the gate post, the gate being movable vertically with respect to the gate post by virtue of the telescopic engagement of the sockets upon the hinge pins, a cam mounted upon the gate post having a generally circular contour surrounding the axis of the hinge pins, the said cam having a tracking face which is inclined upwardly in opposite directions from a point correspond-

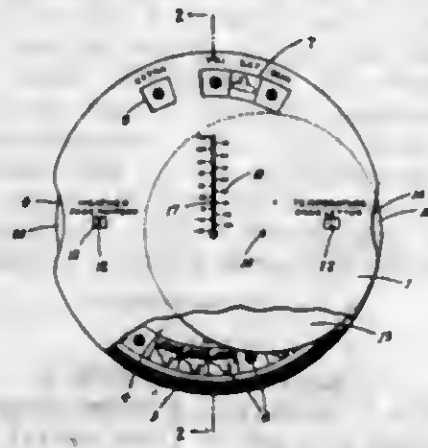


ing to the line of the gate in closed position, the inclined tracking face of the cam extending upwardly from an elevated horizontal plane which substantially bisects the said vertical upper socket and a cam follower mounted upon the upper socket and extending in said elevated horizontal plane in tracking engagement with the tracking face, the follower being arranged to support the weight load of the gate whereby the gate is elevated with respect to the hinge pins by operation of the cam upon being swung to an open position in either direction, the downwardly inclined tracking surfaces being arranged to cause the gate to swing automatically to a closed position upon being released from an open position.

2,628,442

TEMPERATURE INDICATOR

Stephen E. Blewett, Altadena, Calif., assignor of one-half to Stephen N. Blewett, Stockton, Calif.
Original application August 4, 1947, Serial No. 766,062. Divided and this application September 5, 1950, Serial No. 183,250
2 Claims. (Cl. 40-70)



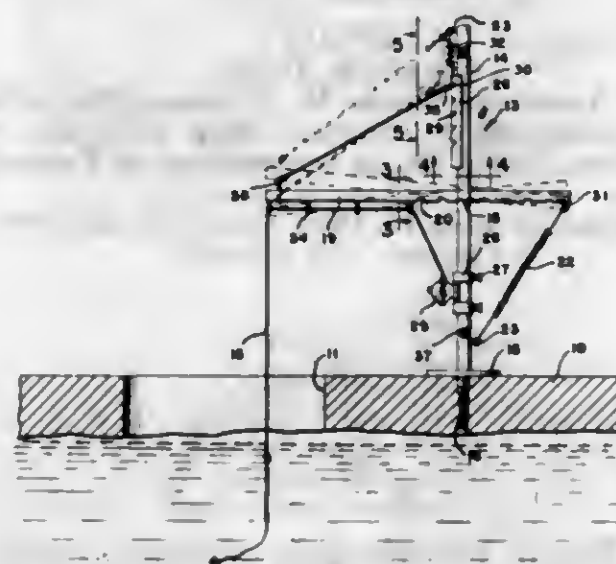
1. An indicator device, for manual setting, comprising a face plate having an elongated slot

therethrough, gradation marks on the front of the face plate along the slot, the face plate having a viewing port therethrough spaced from the slot, a back plate pivotally secured to the front plate, the back plate being provided on the front thereof with a colored area having a configuration which defines an edge extending transversely of the direction of rotation and intersects the slot, whereby said edge will move along the slot in one direction or the other upon relative rotation of said plates, and a plurality of indicia in a row on the front of the back plate concentric to the axis of rotation and adapted to successively register with said port; such indicia being so disposed that when a given one thereof is in register with the port, said edge of the colored area registers with a predetermined gradation mark along the slot.

2,628,443

FISHING APPARATUS

Frank A. Weckerling, Pine Island, Minn.
Application May 3, 1950, Serial No. 159,797
4 Claims. (Cl. 43-15)



1. In a fishing apparatus of the character described, a vertical standard adapted to be supported in proximity to the fishing area, an arm pivotally mounted on the standard for movement about a horizontal axis with respect to the standard, spring means operatively connecting one end of the arm to the standard to normally urge the other end of the arm upwardly about the pivotal mounting, a reel supported by the standard and having a fishing line wound thereon, means carried by the arm for slidably supporting the fishing line relative to the arm, a notched member secured to said standard above the arm, a pin adapted to be lodged in one of said notches, spring means connected with the standard above said notched member and with said pin, and a connection between the pin and said other end of the arm whereby downward movement of the arm will dislodge the pin from the notches whereupon said last named spring means will impart an upward pivotal movement to the arm.

2,628,444

FISHING ROD AND REEL

Noah Oak, Lynn, Mass., assignor of one-half to Clarence G. Hilton, Lynn, Mass.
Application October 23, 1950, Serial No. 191,535
7 Claims. (Cl. 43-20)

7. In combination with a fishing rod and support therefor, an elongated handle supporting a rotatable spindle and a line winding mechanism, a pair of spur-gears meshing with each

other suitably mounted in the handle and adapted to rotate the line winding mechanism, one of the spur gears being fixedly mounted on the rotatable spindle, a crank at the bottom of the rotatable spindle and cooperatively connected thereto for operating the line winding



mechanism, a second spindle also within the housing and adapted to be reciprocated in the elongated handle, a winding spool on the second spindle, a cam carried by the crank and cooperating with the second spindle to reciprocate the latter, and a crank handle for operating the crank.

2,628,445

FISHING ROD WITH DISAPPEARING SPIKE

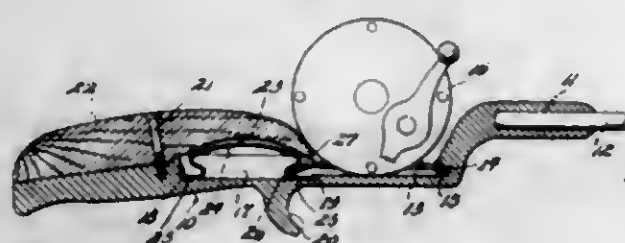
Albert H. Lawrenz, Gaylord, Minn.
Application May 10, 1949, Serial No. 92,413
1 Claim. (Cl. 43-21.2)



A fishing rod with a disappearing point comprising a first elongated tubular member having upper and lower ends, a second relatively short tubular member telescoped over the upper end of said first member and slidably and rotatably carried by the first member, a sleeve fixed within the upper end of said first member reinforcing and strengthening the upper end of said first member, upper and lower end plates fixed to the ends of said sleeve and having central apertures, a sliding rod having an upper portion extending through said apertures and fixed to said second

member for movement with the latter, said rod having a lower pointed end, a guide plug secured to the lower end of said first member and having an axial bore slidably receiving the lower end of said rod, longitudinally spaced guides fixed in said first member between said plug and said sleeve slidably guiding the rod, a pin extending transversely through said rod and having end portions projecting laterally from diametrically opposite sides of the rod and located between said upper and lower end plates, and a coil spring embracing the rod and enclosed within said sleeve and biased between said lower end plate and the ends of said pin and yieldingly urging the lower end of said rod into said first member, said sleeve having a pair of opposed bayonet slots slidably receiving the ends of the pin.

2,628,446
REEL-RECEIVING FISHING ROD HANDLE
Robert D. Colmery, Columbus, Ohio
Application October 26, 1948, Serial No. 56,554
6 Claims. (Cl. 43-22)

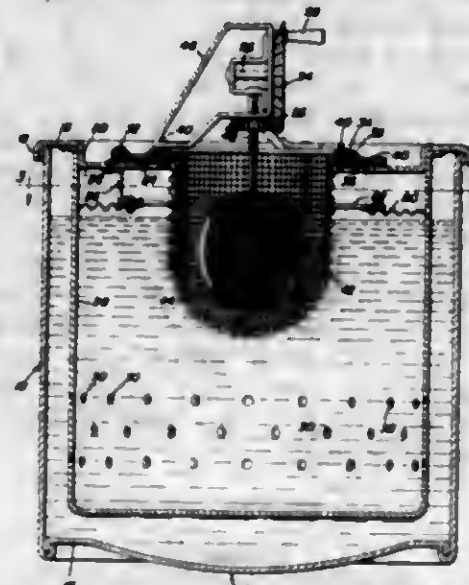


1. In a fishing rod handle having a reel-seating region, an undercut socket contiguous to one end of the reel-seating region for the reception of one end of a reel base to be attached to said handle, and a hand-gripping member disposed adjacent to the opposite end of the reel-seating region and provided with an internal chamber opening toward the reel-seating region; a compression spring carried within the chamber of the hand-gripping member and formed at one end with an integral inwardly tapered socket for the reception of the opposite end of the reel base to be attached to said handle, said spring being compressible within the chamber of the hand-gripping member in response to forces applied to the socket thereof through the end of the reel base being attached or detached from said handle.

2,628,447
WATER AERATOR FOR FISH CONTAINERS
Royce M. Brown, Albuquerque, N. Mex.
Application November 28, 1949, Serial No. 129,822
1 Claim. (Cl. 43-57)

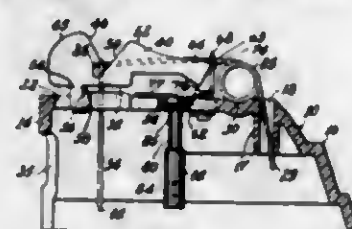
In combination with a fish pail, an aerator comprising a cover plate disposed on said pail and having an opening, a support bracket carried by said cover, a foraminous paddle rotatably mounted on said support bracket, gearing carried by said support for operating said paddle, and a cylindrical baffle disposed in said pail and secured to said cover plate, an agitation chamber below said opening and defined by a screen secured to said cover plate, said screen forming a guard to prevent the fish from being struck by said paddle, said baffle having apertures in the lower part thereof for passage of liquid from and into the space between the pail and the baffle, a hanger, secured to said cover plate and located within said pail, and a screen secured to said hanger through which at least some of the agitated liquid is

adapted to pass, said pail having a curved bottom to constitute an unsteady base for the pail to



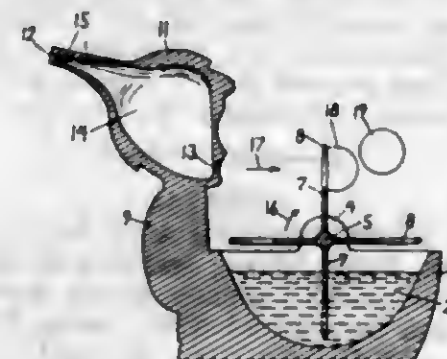
cause agitation of the liquid in the pail by rocking motion of the entire pail.

2,628,448
CHOKER TRAP
John U. Lehn and Cleon M. Weldman, Sr., Lititz, Pa., assignors to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application June 15, 1951, Serial No. 231,748
8 Claims. (Cl. 43-85)



1. A trap of the character indicated comprising, in combination, a hollow base, a spring-urged choker member disposed for pivotal movement in said base, a locking bar for holding said choker member in set position, a pivoted latching member having a detent surface engageable with one end of the locking bar, and means for pivoting said latching member out of engagement with the locking bar, said means being adapted to pivot said latching member upon movement in any direction within a 360° angle whereby to release the spring-urged choker member.

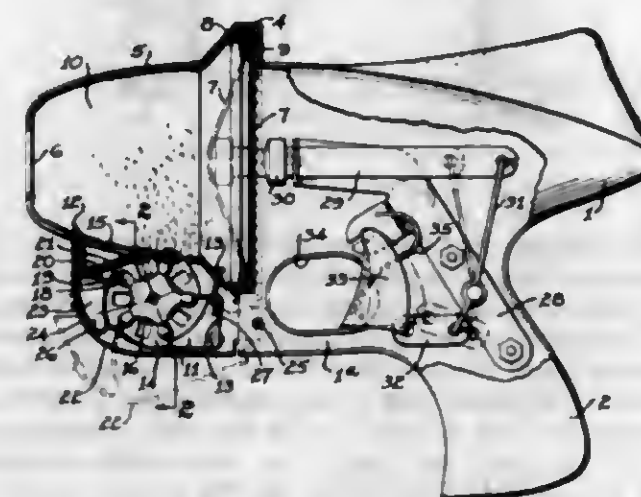
2,628,449
BUBBLE-PRODUCING TOY
Charles S. Raizen, New Rochelle, N. Y.
Application September 27, 1950, Serial No. 188,950
4 Claims. (Cl. 46-7)



1. A bubble-producing toy comprising a bowl for a soapy liquid, a frame movably connected to said bowl and guided in a path having a stretch

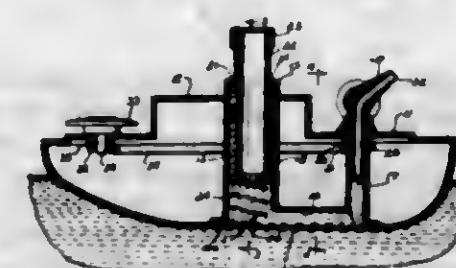
positioned in said bowl under the level of said liquid, passing in upward direction through a part of the surface of said liquid which forms a full area, and having another stretch positioned over said level whereby said frame when moved carries a soapy film out of said liquid, said frame surrounding an opening passing through said frame substantially in the direction of said path and having a broad side positioned across said path direction, and a blowing tube affixed to said bowl and having an outlet narrower than said frame and directed toward said frame when the latter is positioned over the liquid level.

2,628,450
SMOKE RING PROJECTOR
Thomas M. Shelton, Glendale, Calif.
Application May 2, 1949, Serial No. 90,931
12 Claims. (Cl. 46-9)



1. A toy gun comprising: a shell structure and a diaphragm defining a smoke compartment and a trigger compartment separated by said diaphragm; said smoke compartment having a muzzle opening, said trigger compartment shaped to define a pistol grip and apertured to form a finger opening; a trigger projecting in said opening; link and lever means including a hammer element operated by said trigger to flex said diaphragm; a frictionally ignitable smoke generating element; means independent of said trigger for forceably moving said element into said smoke compartment; and friction igniting means in the path of said element to ignite the same.

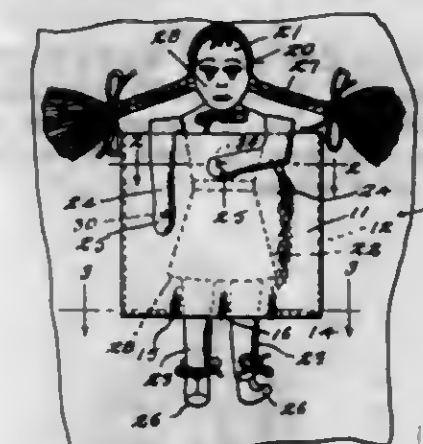
2,628,451
TOY FIRE BOAT
Adolph Goldfarb, Chicago, Ill., assignor to Marvin I. Glass, Chicago, Ill.
Application May 23, 1951, Serial No. 227,891
5 Claims. (Cl. 46-93)



1. A toy boat including a hull adapted to be partially submerged in water, a first cylinder therein extending to the bottom of said hull with an opening adjacent the bottom thereof, a second cylinder in said hull extending to the bot-

tom of said hull with an opening adjacent the bottom thereof, a nozzle connected to said second cylinder, an inverted channel in the bottom of the hull connecting said first and second cylinders, a closure plate secured to said hull and closing the bottom of said channel and the cylinder openings, an inlet opening in said closure plate adjacent said first cylinder, a valve member positioned over said inlet opening permitting water to enter into said first cylinder as said hull is partially submerged, a piston operable in said first cylinder, spring means within said first cylinder for normally maintaining the piston in elevated position, said piston when depressed causing the water in said first cylinder to pass through said channel and said second cylinder and to be ejected through said nozzle.

2,628,452
DOLL AND DOLL POCKET THEREFOR
Beulah Ortner Gladstein, Louisville, Ky.
Application April 15, 1952, Serial No. 282,351
3 Claims. (Cl. 46-116)

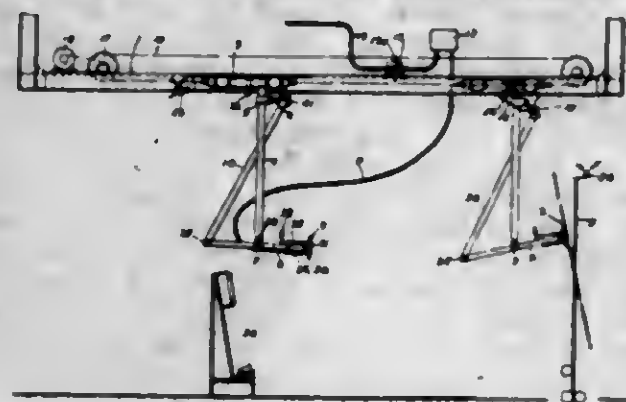


1. In combination with a child's garment, a doll or the like figure supporting means carried by said garment, said figure having a pair of lower extremities, a head and a body portion, said supporting means comprising a non-elastic fabric pocket element having an opening at its top and having a restricted opening of a smaller dimension at its lower portion, said upper opening being of a dimension to permit insertion of said figure and said lower opening being of a lesser dimension than the width of said figure whereby an extremity of said figure may be projected to extend through said lower opening but said figure may not be withdrawn therethrough and said pocket element attached to said garment by stitching on two sides of said pocket element and by stitching of at least a portion of its lower side.

2,628,453
APPARATUS FOR DETACHING AND REMOVING A SHEET FROM AN UPWARDLY TRAVELLING RIBBON OF GLASS
George Telford Pye, Prescott, and Harold Goulbourne Jones, Saint Helens, England, assignors to Pilkington Brothers Limited, Liverpool, England, a British company
Application May 5, 1948, Serial No. 25,228
In Great Britain February 17, 1948
8 Claims. (Cl. 49-48)

1. Means for detaching and removing a sheet of flat glass from an upwardly travelling ribbon of glass provided with lines of severance at predetermined intervals, the means comprising rockable suction means mounted to be advanced to engage the sheet with suckers above the intended line of severance and to be retracted from the path of the rising sheet as soon as the suck-

ers have gripped the sheet, a cam follower operatively connected to the suckers and cam means in the path of the cam follower to act on the cam follower and thereby constrain the suck-

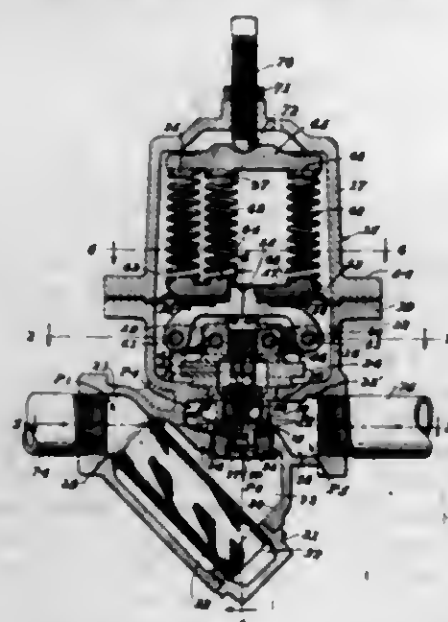


ers to move upwardly as they commence to retract, whereby the glass above the line of severance is severed from and then lifted clear of the rising leading edge created at the line of severance.

2,628,454

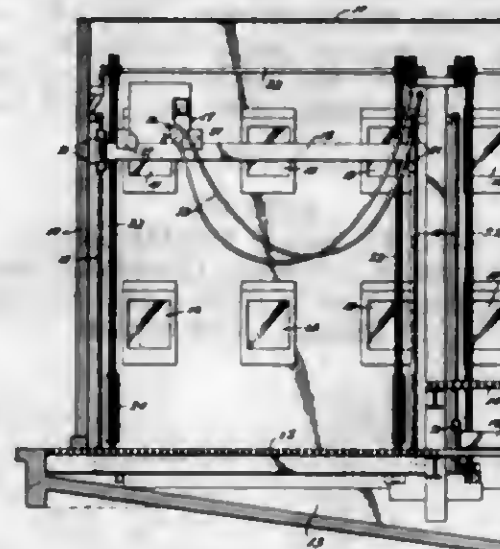
FLUID PRESSURE REGULATOR

Frank H. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application January 23, 1946, Serial No. 642,817
37 Claims. (Cl. 50-26)



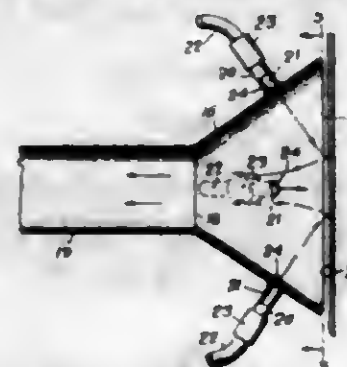
1. A fluid pressure regulator comprising means including a movable wall defining a pressure chamber, regulable means yieldingly urging said wall toward said chamber, means defining a recovery chamber having an inlet and an outlet port, an annular valve seat on the outlet side of said inlet port, a valve in said recovery chamber cooperable with said seat, tubular means guiding said valve for reciprocation coaxially with said seat, means connecting said wall and valve and acting to move said valve away from said seat upon movement of said wall toward said pressure chamber, and a duct arranged to communicate to the pressure chamber the reduced pressure resulting from flow past the variably opened valve as a correspondingly varied blend with the recovered pressure in said recovery chamber, said tubular means having an annular end face unobstructed by the valve positioned to deflect the flow outwardly of the valve, said duct being formed between said valve and said tubular means and terminating in the recovery chamber at said annular face.

2,628,455
CLEANING APPARATUS FOR CASTINGS
AND THE LIKE
Roderick S. Webster, Chicago, Ill., assignor to The Hydro-Blast Corporation, Chicago, Ill., a corporation of Illinois
Application June 8, 1949, Serial No. 97,859
8 Claims. (Cl. 51-8)



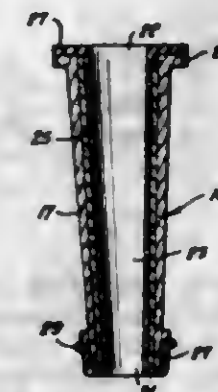
1. Cleaning apparatus for castings and the like comprising a supporting structure including spaced vertical track members, a horizontal beam mounted on the track members for vertical movement thereon, means including a reversible electric motor to move the beam vertically, a carriage mounted on the beam for horizontal movement thereon, means including a reversible electric motor to move the carriage on the beam, a nozzle on the carriage, pairs of control switches for controlling the motors respectively, and a single operating handle engageable with the control switches and movable in different planes to control the respective pairs of switches.

2,628,456
SANDBLASTING DEVICE
Ralph R. Berg, Menlo Park, N. J., assignor to Mariblast Corporation, Jersey City, N. J., a corporation of New Jersey
Application January 15, 1952, Serial No. 266,538
9 Claims. (Cl. 51-8)



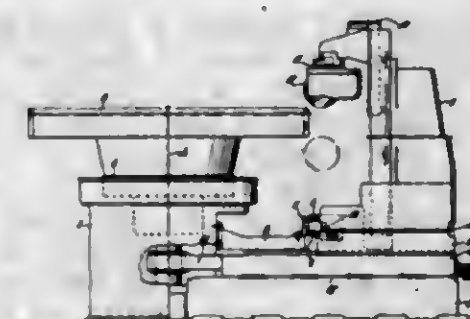
1. An abrasive gun comprising a hollow frusto-conical shaped hood having means forming a central opening at the apex thereof, said hood being open at its base, means forming spaced openings extending through the body of said hood, nozzles mounted in said hood each having an outlet opening aligned with one of the spaced openings extending through said hood, said nozzles being mounted so as to direct abrasive supplied thereto toward the central axis of said hood in a direction generally toward the hood base, and means for removing the material through the apex opening of the hood.

2,628,457
SANDBLASTING DEVICE
George Kroll, Passaic, and Leo Handleman, Irvington, N. J.
Application February 18, 1952, Serial No. 272,190
1 Claim. (Cl. 51-11)



A sand blast nozzle in combination with a flexible tube, the nozzle comprising a frusto-conical body of hardened clay, the body having a frusto-conical bore formed therethrough and an outwardly directed integrally formed flange at one end, a porcelain lining disposed in the bore and a resilient lining disposed over the porcelain lining, the resilient lining being turned over the flange at one end and further being turned back over the hardened clay body at the opposite end, and means for releasably securing the flanged end of the body to one end of the flexible tube.

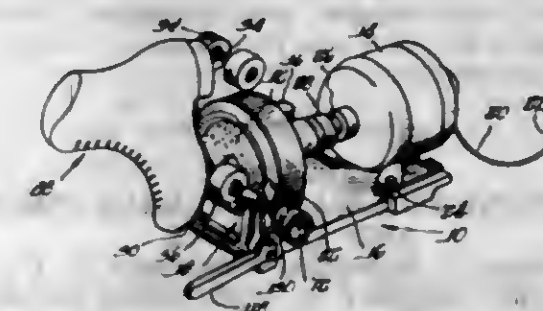
2,628,458
GEAR GRINDING MACHINE
Hermann Bühler, Zurich, Switzerland, assignor to Maag Zahnräder und Maschinen, A. G., Zurich, Switzerland, a company of Switzerland
Application April 11, 1950, Serial No. 155,157
In Switzerland February 18, 1950
9 Claims. (Cl. 51-55)



1. In a gear grinding machine, the combination of a machine bed, a normally stationary work table mounted on said bed, a stationary involute-generating cylinder coaxial with said work table, a tool-holder, at least one grinding wheel being carried by said tool-holder, said tool-holder being mounted on said bed for rotary movement about the axis of, and for rectilinear sliding movement tangentially of, said cylinder, and flexible tapes coupling said tool-holder to said cylinder for constraining said tool-holder to perform a combination of both said movements and causing an involute-generating motion of said grinding wheel relatively to the work, with driving means for imparting said rotary movement to said tool-holder comprising a power-driven shaft mounted in fixed relation to said bed and extending parallel to said cylinder axis, a screw-threaded spindle coupled to said shaft for being driven

thereby, a nut engaging said spindle and having pivotal connection with said tool-holder, means between said shaft and said tool-holder for permitting said rotary movement of said tool-holder relatively to said shaft notwithstanding the driving connection therebetween by said spindle and said nut, a reversible electric motor coupled to said shaft for driving same, switch means electrically connected in the energizing circuit of said motor for reversing the latter, a control device including rotatable means driven by said shaft and operatively associated with said switch means for periodically actuating said switch means to cause reversal of said motor and of said shaft and said spindle, and means for adjusting the operative relation of said rotatable means to said switch means to vary the angle of said rotary movement of said tool-holder.

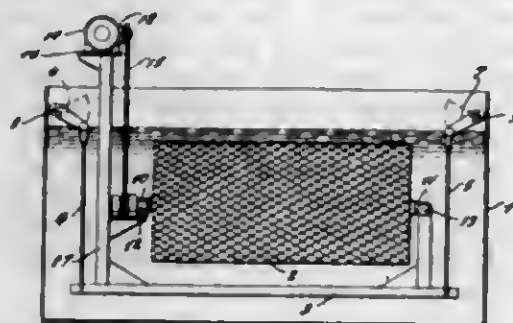
2,628,459
GRINDER FOR ROLLER-SKATE WHEELS
Gordon K. Ware, Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Arizona
Application February 4, 1950, Serial No. 142,365
3 Claims. (Cl. 51-129)



1. A grinding apparatus for grinding the wheels on roller skates, and comprising a base, a grinding wheel mounted on said base and having a substantially plane grinding surface, means for rotating said grinding wheel, a supporting shaft having the axis thereof extending parallel to the plane of said grinding surface, bearing means on said base for supporting said supporting shaft for sliding and rotating movements, a mounting plate fixed to said supporting shaft, axle clamping means carried by said mounting plate and including a rod-like clamping member slidably mounted on said mounting plate for reciprocation parallel to said supporting shaft and projecting from the edge of said mounting plate, a handle bracket carried by the projecting end of said rod-like member and projecting therefrom into engagement with said supporting shaft whereby to prevent rotation of said handle bracket, spring means associated with the projecting part of said handle bracket for normally urging the handle bracket and rod-like clamping member toward axle clamping position, said projecting handle bracket presenting a hand grip for manually shifting the handle bracket and rod-like clamping member against the action of said spring means and away from axle clamping position, and an operating handle lever fixed with respect to the mounting plate and supporting shaft for tilting the mounting plate about the axis of said supporting shaft and for shifting the same along the axis of said shaft whereby to shift the mounted roller skate wheels parallel to and toward and away from the grinding surface of said grinding wheel.

2,628,460

CHIP REMOVING METHOD AND APPARATUS
 Marcel J. Zinty, New York, N. Y., assignor to
 Magnus Chemical Company, Inc., Garwood,
 N. J., a corporation of New York
 Application July 17, 1951, Serial No. 237,133
 1 Claim. (Cl. 51-164)

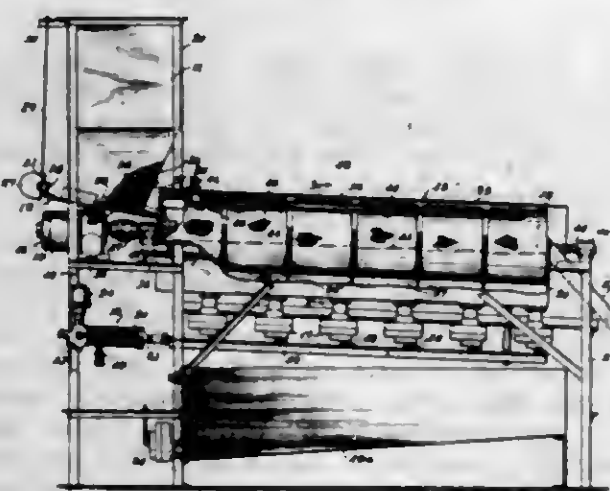


A washing apparatus for removing chips and the like from machine parts comprising the combination of a tank; a frame suspended in the tank; a basket supported on the frame for rotation about a horizontal axis; reciprocatory drive means having connections for raising and lowering the frame and basket through a stroke in excess of two inches; and motor drive means coupled to the basket and arranged to rotate the same at a speed not in excess of thirty revolutions per minute.

2,628,461

MACHINE FOR WASHING MICA PIECES AND THE LIKE

Moses D. Heyman, Woodmere, N. Y.
 Application January 10, 1952, Serial No. 265,890
 9 Claims. (Cl. 51-164)

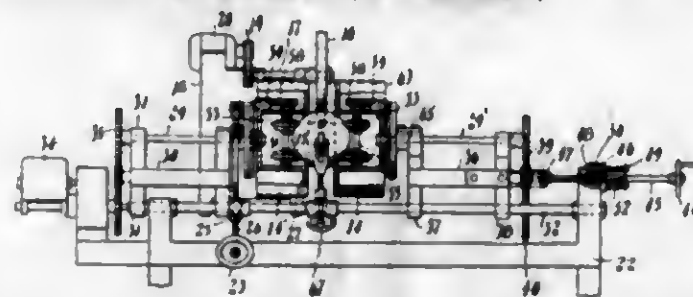


1. In a washing machine for mica pieces and like materials, a liquid-containing tank compartment having end walls, a rotating open-sided perforated drum positioned in said compartment with the open ends thereof adjacent said end walls, the axis of said drum being disposed at an angle to the horizontal, a sealing gasket between said walls and the respective ends of the drum, blade means within the drum to raise pieces of material, during rotation of the drum, out of the liquid in said compartment and arranged to drop said raised pieces edge first back into said liquid and, during each such raising and dropping, moving said pieces from the higher end of the drum in a direction toward the lower end thereof, and tapered means connected to rotate with the drum to receive the pieces and slidably transport them out of the lower end of the drum.

2,628,462

BALL TURNING MACHINE

Alexander Babcock, Camp Borden, Ontario,
 Canada
 Application January 7, 1952, Serial No. 265,297
 18 Claims. (Cl. 51-237)

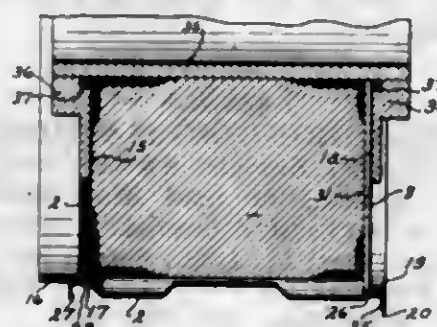


15. In a machine of the kind described, means for rotating a ball with a compound motion, said means comprising a pair of confronting chucks having aligned axes, friction wheels journaled in said chucks and spaced to grip the ball, and means for rotating said friction wheels during rotation of said chucks.

2,628,463

METHOD OF MAKING COIL CONTAINERS

Frederick R. Schaefer, Youngstown, Ohio, as-
 signor to Republic Steel Corporation, Cleveland,
 Ohio, a corporation of New Jersey
 Original application August 17, 1945, Serial No.
 610,906. Divided and this application April 3,
 1952, Serial No. 280,317
 4 Claims. (Cl. 53-11)

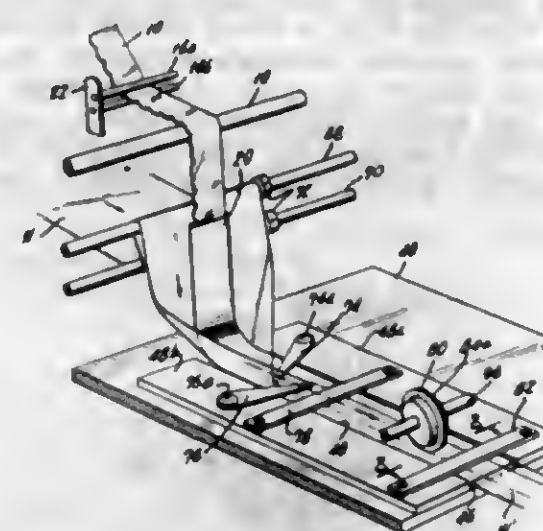


1. The method of making a loaded container which comprises the steps of forming two flat container end members with axially extending circumferential flanges at their outer peripheries, the first of said members having a flange extending radially outward from the free end of its axially extending flange to constitute a stop flange, disposing said end members in axially spaced position with their axial flanges extending away from each other, colling an elongated article about the axis of the container in the space between said end members, forming an open ended cylindrical shell having axially extending circumferential end portions to seat on said axial flanges of the end members and flanges extending radially outward from the free ends of said end portions, assembling said shell with said end members and coiled article by sliding the shell endwise thereover until one end flange of the shell abuts against said stop flange of the first said end member and the end portions seat on the axial flanges of said end members, deforming the shell into engagement with the inner side of the other said end member thereby fixing said member against axial movement toward the first said end member, outer double seaming together the radial flange of the shell adjacent to said deformation and the axial flange of the said other end member, and outer double seaming together said stop flange and the adjacent radial flange of the shell.

2,628,464

APPARATUS FOR WRAPPING ONE LENGTH OF MATERIAL WITH ANOTHER

Roberto Gomez Plata, Roslyn, and Angel Ramos,
 Maspeth, N. Y., assignors to Albert Viault, New
 York, N. Y.
 Application December 9, 1949, Serial No. 132,171
 1 Claim. (Cl. 53-83)



Apparatus for encasing a running length of lace or the like in open width with a second continuous length of material supplied in open width, which comprises, a base, a plurality of channel forming plates secured on said base in a parallel relation to form a channel of desired width and height having the base as its bottom and said plates as its sides, a tube-like member having a cross section of less height than width, said tube-like member comprising a plurality of angularly related portions including a portion extending longitudinally within said channel but spaced from the bottom and sides of said channel, and means for supporting said tube-like member, the other portion of said tube extending upwardly from said channel, means for leading a continuous length of lace or the like into said upwardly extending portion of said tube and through the portion of the tube positioned within said channel, means for supplying a second length of material in open width and feeding it between said tube-like member and said channel with its longitudinal central portion in said channel and its lateral margins turned angularly with respect to said central portion by the sides of the channel respectively, contact members extending across said channel from opposite sides to fold said turned lateral margins toward one another around said tube-like member, means for securing together said folded over margins to form an envelope, and means for continuously advancing said lengths to cause said length of lace or the like to be continuously advanced through said tube-like member into said envelope formed from said second length of material, whereby there is produced a continuous travelling elongated package comprising said length of lace or the like in open width encased in a continuous envelope formed from said second length of material.

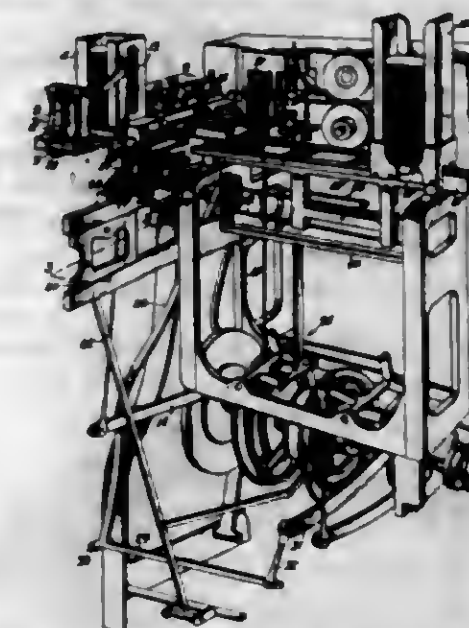
2,628,465

ENVELOPE LOADER

Ralph H. Penley, Salisbury, N. C.
 Application December 8, 1949, Serial No. 131,710
 6 Claims. (Cl. 53-136)

4. An envelope loader for placing envelopes about articles to be packaged comprising a magazine for receiving empty envelopes, a bar ar-

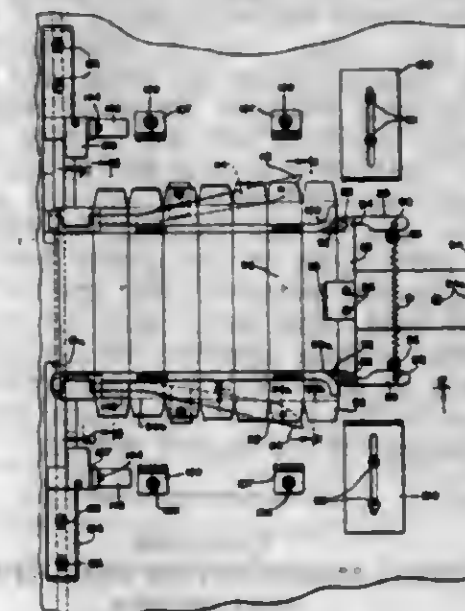
ranged to reciprocate adjacent said magazine, a device for delivering an intermittent jet of air positioned adjacent said magazine, means including said air jet device to partially open the envelope flap, further means to cause full opening of said flap including said bar operable after



2,628,466

CARTON CLOSING MACHINE

James D. Brown, Livingston, N. J., assignor to
 Bristol-Myers Company, New York, N. Y., a
 corporation of Delaware
 Application July 14, 1950, Serial No. 173,777
 13 Claims. (Cl. 53-145)

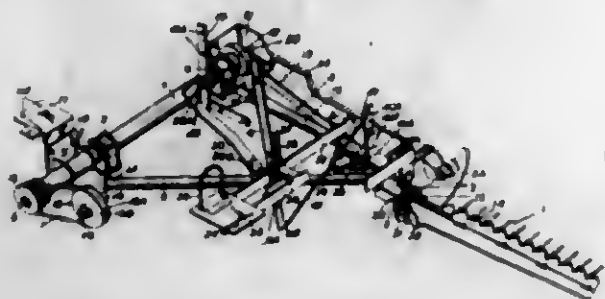


1. A machine for closing cartons having tabs and a closing flap at each end thereof which comprises a flat support, reciprocating means for advancing a series of said cartons along said support in continuous abutting relation, means effective upon operation of said reciprocating means for inwardly folding the tabs at each end of a carton introduced into said series, and a single reciprocatory member at each side of said series of cartons operating conjointly with said reciprocating means upon a plurality of other

cartons in said series for folding and inserting the flaps at the two ends of said cartons, each of said members carrying a yieldably mounted element arranged to engage one of said flaps to support the same as the flap is being inserted.

2,628,467

MOWER ATTACHMENT FOR TRACTORS
Sydney Herbert Gillespie, Kilgarrow, Newtown Butler, Northern Ireland, assignor to Featherstone Agricultural Limited, Middlesex, England
Application October 4, 1949, Serial No. 119,500
In Great Britain October 16, 1948
4 Claims. (Cl. 56—25)



1. A mower for attachment to a tractor of the type including front and rear wheels, a rear power take-off shaft, draft link means trailing connected to the rear for supporting and pulling agricultural implements or the like, and a power lift unit for moving the link means vertically, said mower comprising carrier means, a cutter bar pivotally mounted on the carrier means for vertical hinging movement, attachment means on the carrier means for attaching the carrier means to the tractor with the carrier means extending laterally of the tractor and with the cutter bar projecting laterally from one side of the tractor forward of the tractor rear wheels, the carrier means being pivotally connected to the attachment means for vertical hinging movement, drive means extending forwardly from the power take-off shaft and adapted to actuate the cutter bar, a cam lever pivotally mounted intermediate its ends on the carrier means, a cam follower pivotally supported intermediate its ends on the carrier means and pivotally connected at one end to the cutter bar, said cam lever pivoting to engage and depress the other end of the follower to cause upward hinging movement of the cutter bar, an operative connection between the tractor power lift unit and said cam lever, and an abutment on the carrier means adapted to limit the pivotal movement of said cam lever whereby continued operation of the power lift effects upward hinging movement of the carrier means.

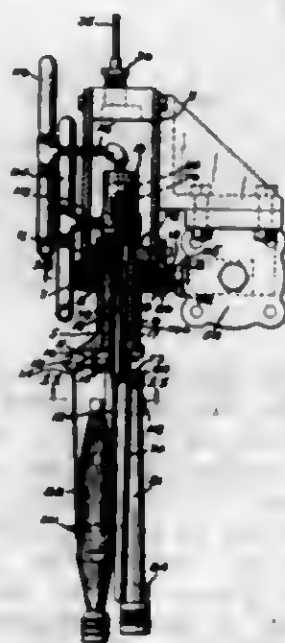
2,628,468

DOFFING MECHANISM FOR SPINNING MACHINES

Chester W. Greene, Lynn, Mass., assignor, by mesne assignments, to Naumkeag Steam Cotton Company, Salem, Mass., a corporation of Massachusetts
Application January 12, 1952, Serial No. 266,135
17 Claims. (Cl. 57—52)

7. A machine for doffing filled bobbins from a spinning machine comprising a vertically movable support, a plurality of doffing heads mounted thereon for turning movement about vertical axes, there being one doffing head for each spindle of the spinning machine, each doffing head

having on one side of its vertical axis a plurality of downwardly directed bobbin-gripping fingers and on the opposite side of said vertical axis means for supporting an empty bobbin, each doffing head normally being positioned with its bobbin-gripping fingers in axial alignment with the corresponding spindle of the spinning machine, support-moving means operative to move the support downwardly to bring the bobbin-gripping fingers of each doffing head into embracing relation with a filled bobbin on the corresponding spindle, pressure-actuated means to clamp the fingers of each doffing head firmly against the bobbin embraced thereby, said support-moving means being also operative to move said support upwardly thereby doffing the filled

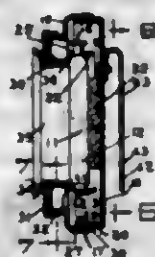


bobbins from their spindles, means operative while said support is in its raised position to turn the doffing heads about their vertical axes to position the empty bobbins carried thereby in axial alignment with the various spindles, said support-moving means being further operative to move the support downwardly a second time thereby to place the empty bobbins on the spindles, and then to move said support upwardly again, means operative when the support reaches a raised position after its second upward movement to turn the doffing heads about their axes into their original positions, and pressure-actuated means to release the clamping pressure of the bobbin-gripping fingers on the filled bobbins whereby they are discharged from the doffing heads.

2,628,469

TIMING DEVICE

Walker C. Morrow, Dearborn, Mich.
Application April 7, 1947, Serial No. 739,979
4 Claims. (Cl. 58—126)



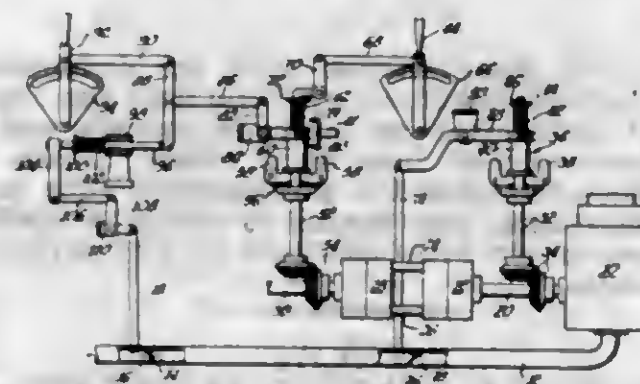
1. A device of the class described comprising a cup-shaped retainer adapted to hold a timepiece with the face thereof visible through the open end of the retainer, a pad of shock resisting

material forming a seat for the timepiece, spring arms engageable with the timepiece to hold the latter in seating engagement with the pad, a ring supported on the retainer for rotation, a second ring supported for rotation relative to the first ring about the axis of rotation of the latter ring and having a central opening through which the face of the timepiece is visible, and reference marks on the rings adapted to selectively register with the graduations on the face of the timepiece.

2,628,470

ROTARY HYDRAULIC TRANSMISSION PRIME MOVER CONTROL

Raymond E. Orton, Chicago, Ill., assignor to Orton Crane & Shovel Company, Chicago, Ill., a corporation of Indiana
Application September 8, 1951, Serial No. 245,755
14 Claims. (Cl. 60—19)



1. A power plant comprising an internal combustion engine having a throttle valve controlling the rate of admission of fuel to the engine, a hydraulic power transmission device driven by said engine and provided with a power output shaft, a governor actuated by said output shaft, a lever, means connecting one end of said lever with said throttle valve for varying the position thereof, a manually operable control connected to the other end of said lever for moving said lever to actuate said means, and further means connecting said governor to said lever between the ends thereof for moving said lever to actuate said valve position varying means.

2,628,471

SYNCHRONOUS AUGMENTER FOR RESOJET MOTORS

James Y. Dunbar, United States Navy
Application August 2, 1945, Serial No. 606,542
8 Claims. (Cl. 60—35.6)
(Granted under Title 35, U. S. Code (1952), sec. 266)



1. An augmenter for reso-jet motors comprising a plurality of reso-jet motors each having a combustion chamber with a fluid inlet, an intermittently operable inlet valve upstream of said combustion chamber, a tail pipe having an outlet and in alignment with the combustion chamber, a conduit opening through the wall of the tail pipe of one of said motors downstream of its combustion chamber and having a longitudinal

axis disposed at an acute angle and extending rearwardly of the tail pipe, said conduit being connected to the tail pipe of another of said motors, synchronizing means for oppositely phasing said two motors for mutual alternate augmentation of the compression steps in each of said motors by the discharging gases from explosions in the other.

2,628,472

FUEL METERING SYSTEM FOR GAS TURBINE ENGINES

Walter L. Dray and Frank V. Kuzmits, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 3, 1949, Serial No. 74,322
24 Claims. (Cl. 60—39.28)



5. In a fuel metering system for an engine, a main throttle valve, an emergency throttle valve, means operatively interconnecting said valves for synchronous fuel metering movement, and means for selectively directing the fuel at will either to the main throttle valve or to the emergency throttle valve.

14. In a fuel metering system for aircraft gas turbine engines, a fuel control device having a fuel conduit provided with a metering restriction, a throttle valve for varying the area of said restriction, a low or idle speed stop for said throttle valve, means responsive to changes in entering air density for reducing the metering head across said restriction as density decreases as by an increase in altitude, and an altitude idle jet in series with said metering restriction and of less effective flow area than the area of the metering restriction when the throttle valve is up against its idle stop, the flow through said idle jet being uncompensated for changes in air density so that at extremely high altitudes the minimum idle flow remains constant.

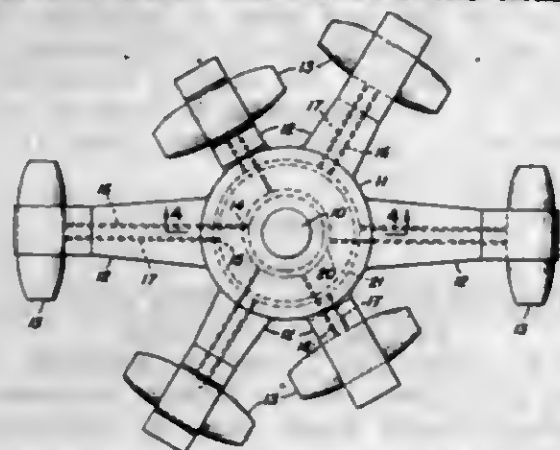
2,628,473

STATIONARY POWER PLANT HAVING RADIALLY AND AXIALLY DISPLACED JET ENGINES

Jack Frye, Sedona, Ariz.
Application May 3, 1948, Serial No. 24,887
24 Claims. (Cl. 60—39.35)

1. A stationary power plant comprising a rotor, at least two jet engines each having a combustion chamber and exhaust orifice in axial alignment and mounted in radially and axially displaced position on said rotor with respect to the other engine for revolution in spaced-apart orbits, means for delivering a mixture of fuel

and oxidant to the combustion chambers of said engines at a point intermediate the ends of said



chambers, and means for igniting said mixture within said chambers.

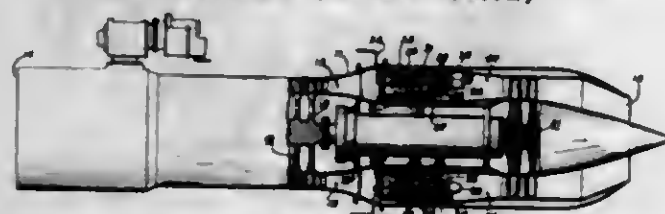
2,628,474

ANNULAR COMBUSTION LINER HAVING CONICAL REENTRANT WALLS WITH FUEL REVERSING ELEMENTS

Floyd T. Hague, Drexel Hill, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application May 13, 1949, Serial No. 93,017

3 Claims. (Cl. 60-39.71)



1. Combustion apparatus constructed and arranged in an annular air flow passage having an upstream inlet for receiving air under pressure and a downstream outlet for delivery of hot motive fluid, said apparatus comprising outer and inner annular walls, annular reentrant walls having apertures and spaced within said outer and inner walls to form a dual combustion chamber closed at the upstream end and having a single downstream opening, at least one of said reentrant walls being of frusto-conical form converging from the upstream end toward the other reentrant wall, an annular apical section joining said reentrant walls at a point intermediate the upstream and downstream ends of said combustion chamber, a plurality of nozzles mounted in said apical section for discharging fuel in a downstream direction, and an annular group of reversing elements suspended from said outer and inner walls in a high temperature zone of said combustion chamber and in alignment with said nozzles, said element presenting concave surfaces to said nozzles for transferring heat to the fuel and air mixture while effecting counterflow thereof into the streams of air flowing into said dual combustion chamber by way of the apertures in said reentrant walls.

2,628,475

JET COMBUSTION DEVICE EMBODYING PRETREATMENT OF FUEL BEFORE COMBUSTION

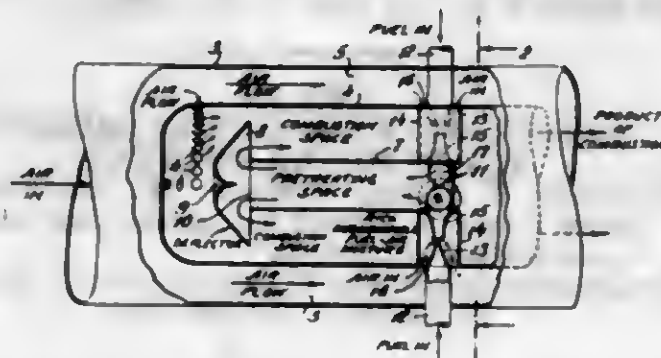
Donald P. Heath, Delaware Township, Camden County, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application June 26, 1946, Serial No. 679,434

6 Claims. (Cl. 60-39.71)

1. A jet combustion burner comprising an air tube, a combustion tube, and a pretreatment

tube coaxially assembled, to provide an annular air passage around the combustion tube and an annular combustion space around the pretreatment tube, a closed end on the combustion tube toward the inlet end of the air tube, orifice means to introduce air from the annular air passage into the combustion tube at spaced points near its closed end and along its length, the pretreat-



ment tube being shorter than the combustion tube, terminating in an open end near the closed end of the combustion tube, the opposite end of the pretreatment tube being closed, means to introduce fuel into the pretreatment tube near its closed end, and means to admix a limited amount of air with said fuel in said pretreatment tube.

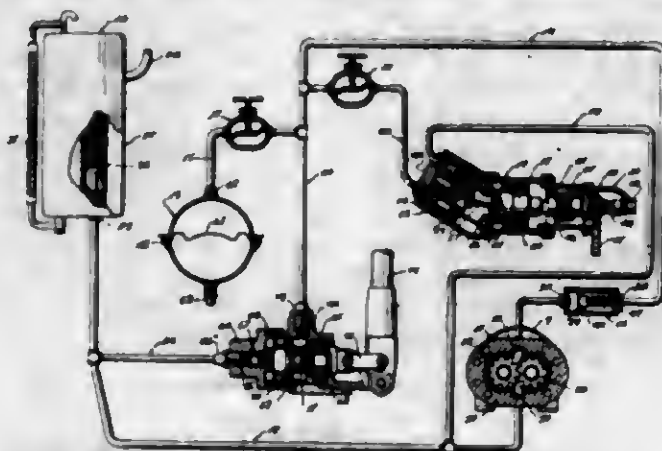
2,628,476

HYDRAULIC STARTING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Ross E. Grier, Pauline, Kans.

Application November 10, 1949, Serial No. 126,623

1 Claim. (Cl. 60-51)



A hydraulic starting system for an internal combustion engine comprising an engine starting gear, a hydraulic motor drivingly connected to said gear, a motor driven pump, a fluid pressure accumulator, a fluid reservoir, a first conduit connecting said reservoir to the inlet side of said pump, a second conduit connecting the outlet side of said pump to said accumulator, a check valve in said second conduit precluding return flow of fluid from said accumulator to said pump, and a manually operated valve in said second conduit, a third conduit leading from said accumulator to the inlet side of said fluid motor, a manually operated valve in said third conduit, a fourth conduit leading from the outlet side of said fluid motor into said first conduit, a hand operated pump, a fifth conduit connecting the outlet side of said hand operated pump to said accumulator, and a sixth conduit connecting the inlet side of said hand operated pump to said first conduit, said hand operated pump being effective to supply fluid under pressure directly to said motor or to build up fluid pressure in said accumulator and serving as a valve precluding flow of fluid from

the outlet of said motor driven pump back to said reservoir, and said check valve precluding flow of fluid from the outlet of said hand operated pump back to said reservoir through said motor driven pump.

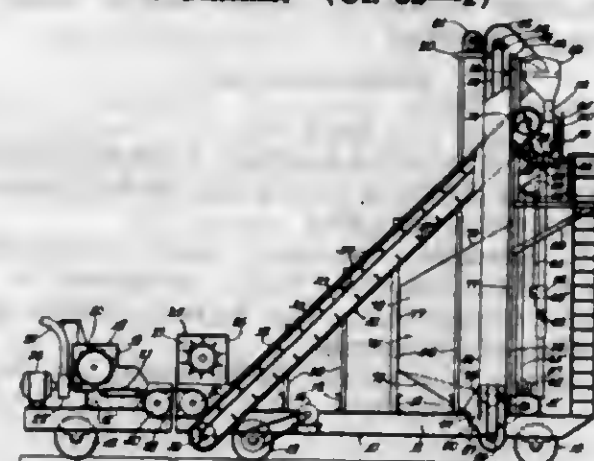
2,628,477

MASTER CAR ICING MACHINE

Harold O. McLain, Highland Park, Ill.

Application July 12, 1950, Serial No. 173,290

4 Claims. (Cl. 62-1)



1. A refrigerator car icing machine comprising a horizontal frame, wheeled trucks for supporting said frame, a horizontal ice block conveying mechanism mounted on said frame, an ice breaking and crushing mechanism mounted on said frame and located at one end of said ice block conveying mechanism, a crushed ice elevating and conveying mechanism mounted at an angle with respect to said horizontal frame for receiving the crushed ice from the ice breaking and crushing mechanism and elevating the same to an elevation above the tops of the refrigerator cars, laterally projecting ice chutes mounted on the opposite sides of said frame for receiving the crushed ice from the delivery end of said elevating and conveying mechanism and discharging the same to the hoppers of the refrigerator cars, and means mounted on said frame and operatively connected to said chutes for simultaneously raising and lowering said chutes.

2,628,478

METHOD OF AND APPARATUS FOR REFRIGERATION

Elmer W. Zearfoss, Jr., Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

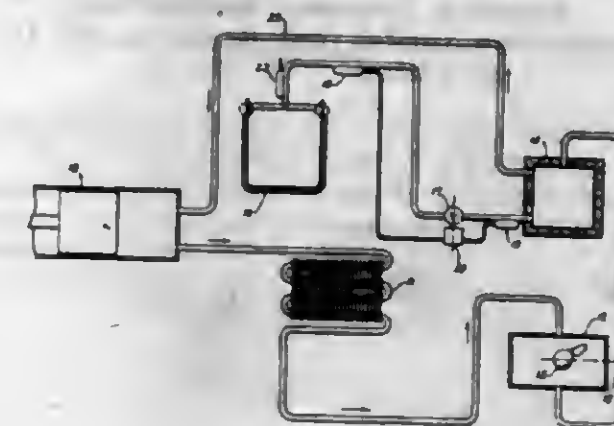
Application December 13, 1949, Serial No. 132,766

14 Claims. (Cl. 62-3)

11. In a refrigeration system, comprising a compressor; a condenser; a storage tank; an expansion chamber, said expansion chamber being insulated to prevent substantial heat exchange between the contents of said chamber and the medium surrounding it; and an evaporator, said compressor, condenser, tank, chamber and evaporator being disposed in flow circuit, first valve means disposed between said storage tank and said expansion chamber and arranged so as to open in response to accumulation of a predetermined quantity of liquid refrigerant derived from said condenser and to admit into said expansion chamber said quantity of liquid refrigerant; conduit means connecting said expansion chamber to the suction side of said compressor; second valve means disposed between said expansion chamber and said evaporator; a pair of temperature sensitive elements disposed to sense, respectively, the temperature of the contents of said

667 O. G.—39

expansion chamber and of said evaporator; control means responsive to said temperature sensitive elements and effective to close and maintain closed said second valve means when the temperature of the contents of said expansion chamber exceeds the temperature of the contents of said



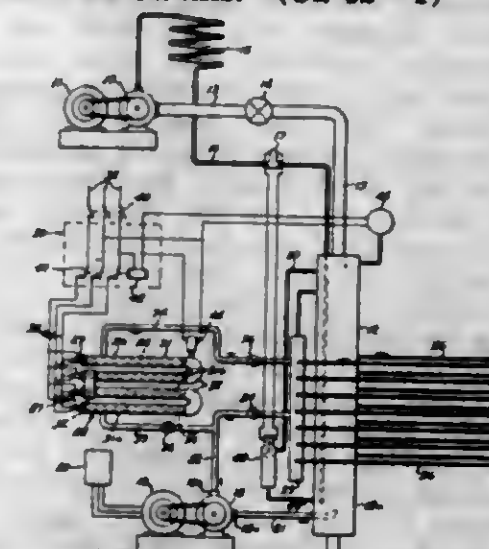
2,628,479

DEFROSTING SYSTEM

Felix W. Powers, Pasadena, and Albert Lundin, Huntington Park, Calif.

Application October 2, 1950, Serial No. 188,026

13 Claims. (Cl. 62-4)



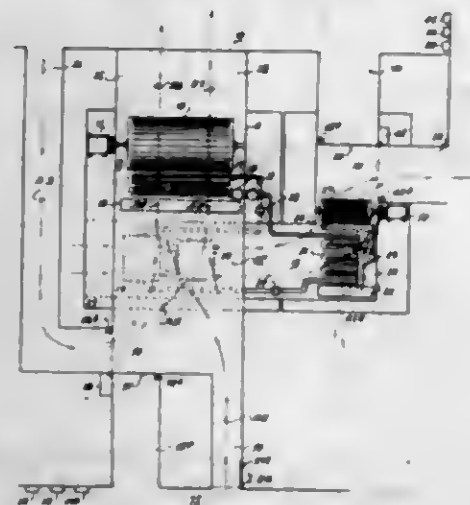
1. In a refrigerating system including a compressor normally forcing refrigerant vapor under pressure through a condenser where it is cooled and condensed to the liquid phase and then discharged into a refrigerant liquid tank under reduced pressure from which it is pumped by a liquid pump to a liquid distributor header from which it is circulated through cooling coils back to the refrigerant liquid tank, the combination of: liquid heating means interposed between the liquid pump and the liquid distributor header adapted to elevate the temperature of the liquid refrigerant circulated through the cooling coils to melt accumulated ice and frost thereon; an inlet conduit connecting said liquid heating means and the outlet of the liquid pump; an outlet conduit connecting said liquid heating means and the liq-

uid distributor header; and valve means controlling the flow of refrigerant liquid from the liquid pump through said inlet conduit through said liquid heating means and said outlet conduit to the liquid distributor header.

2,628,480

COMBINATION REFRIGERATION AND EVAPORATING COOLING UNIT

Archle S. Feinberg, Dallas, Tex.
Application April 8, 1952, Serial No. 281,122
33 Claims. (Cl. 62-4)



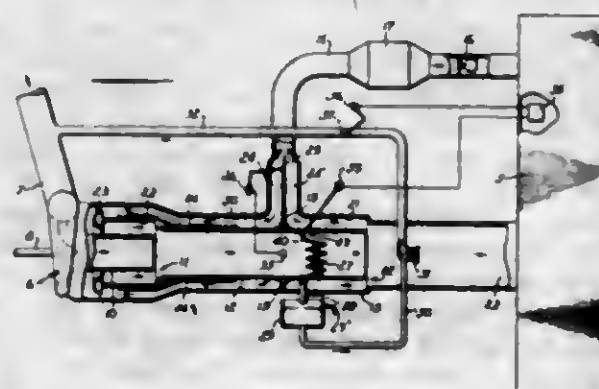
5. In an air conditioning apparatus: a refrigerating system comprising a pair of heat exchange elements, a first duct means communicating with a conditioned space, a second duct means communicating with the outdoor atmosphere, a first damper means for closing off said first duct means, a first blower means for drawing air from said conditioned space through said first duct means and from the outdoor atmosphere through said second duct means to form a primary mixture, said first blower means moving said primary mixture over one of said heat exchange elements and into said conditioned space, said primary mixture being cooled in its passage over said one of said heat exchange elements, spray means for spraying water over the other of said heat exchange elements, a second blower means for drawing air from the outdoor atmosphere over the other of said heat exchange elements, and a third duct means communicating with the outdoor atmosphere for moving the air drawn by second blower means back to the outdoor atmosphere; an evaporative cooling system comprising said second blower means, said spray means, and a fourth duct means for moving the air drawn by said second blower means through the water sprayed by said spray means to said conditioned space; second damper means associated with said third and fourth duct means, said second damper means closing off said third duct means when in one position and closing off said fourth duct means when in a second position, said first and third duct means being open when said refrigerating system is in operation and being closed when said evaporative cooling system is in operation, said first blower means operating during the operation of said evaporative cooling system and during the operation of said refrigerating system; a first motor means for operating said first damper means, a second motor means for operating said second damper means, and means responsive to the temperature and humidity conditions of the outdoor atmosphere for placing said refrigerating system in operation when predetermined values of temperature and humidity of the outdoor atmosphere are exceeded

and for placing said evaporating cooling system in operation when said predetermined values are not exceeded, said last mentioned means controlling said first and second motor means to close said first and third duct means when said evaporative cooling system is placed in operation and to open said first and third duct means when said refrigerating system is placed in operation; and means responsive to the movement of said second damper means for stopping operation of said second blower means when said damper means is being moved from one position to another.

2,628,481

MEANS FOR MAINTAINING UNRESTRICTED FLOW OF REFRIGERATING AIR THROUGH DUCTS OR THE LIKE

Paul C. Scofield, Glendale, and Frederick H. Green, Los Angeles, Calif., assignors to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application February 4, 1949, Serial No. 74,626
24 Claims. (Cl. 62-6)



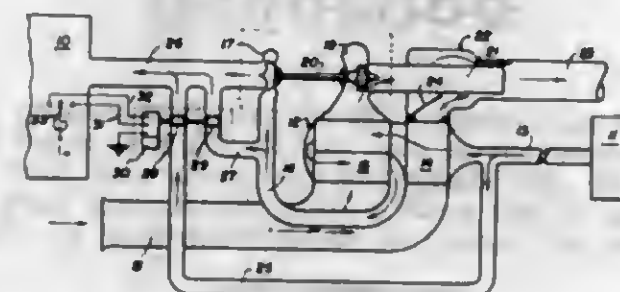
19. In combination with an air refrigerating system for introducing refrigerated air into a compartment and including a refrigerating means operative to reduce the temperature of air delivered thereto, said means having a discharge duct; a cold air duct axially aligned with said discharge duct and having an end surrounding the same in spaced relation thereto to provide a first annular air passage therebetween, said cold air duct receiving and conducting cold air discharged by the refrigerating means; an outer air duct surrounding said cold air duct in spaced relation thereto and having an end communicating with the interior of the compartment through which air discharged from the refrigerating means can enter the compartment, one end of said cold air duct cooperating with said discharge duct to define a first annular ejector-mixer therebetween, said outer duct cooperating with the other end of said cold air duct to define a second annular ejector-mixer therebetween; a partition between said cold air duct and said outer duct and disposed between said first and second ejector-mixers and dividing the space between said cold air duct and said outer duct into two annular passages, the first of said passages leading to said first ejector-mixer and the second of said passages leading to said second ejector-mixer; a warm air conduit having a first branch communicating with said first passage and a second branch communicating with said second passage, warm air in said passages being adapted to flow into the cold air stream at said ejector-mixers, the warm air entering said cold air duct through said first ejector-mixer imparting to any ice particles within said cold air duct the latent heat of fusion capable of melting the particles; a water separating means disposed in said

cold air duct between said first and second ejector-mixers and adapted to remove water formed by said melting process so as to dehumidify the air entering the compartment; and a valve in said warm air conduit operable in response to variations in the temperature of the air in said cold air duct, upstream from said water separating means, for controlling the amount of warm air passing through said branches.

2,628,482

AIR CONDITIONING MEANS FOR ENCLOSURES

Glenn A. Burgess, Lynwood, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application August 26, 1950, Serial No. 181,652
15 Claims. (Cl. 62-6)

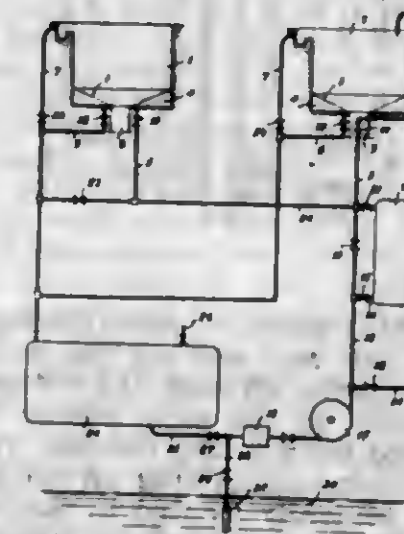


1. Air conditioning means for an enclosure, comprising: a flow path for conducting conditioning air to said enclosure; means in said path for bringing the conditioning air into heat exchange relation with a coolant; means for converting energy of the conditioning air into mechanical energy; air circulating means driven by said energy converting means; means actuated by air from the air circulating means for inducing flow of said coolant; a by-pass duct for flow of conditioning air around the heat exchange means and the energy converting means; a separate by-pass around the energy converting means; and valve means for proportionally controlling the air flow in said by-passes in response to temperature variations within said enclosure.

2,628,483

REFRIGERATION OF FISH

Pierre Maurice Garnier, Vertou, France
Application August 9, 1950, Serial No. 178,431
In France June 28, 1950
6 Claims. (Cl. 62-104)



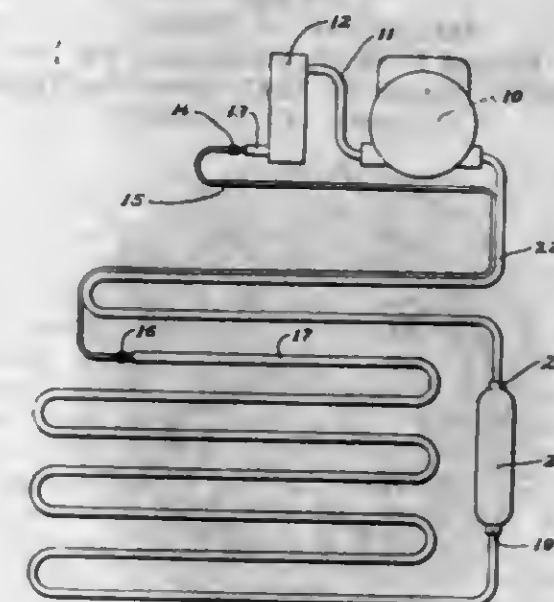
1. Cooling tank for provisionally cooling freshly-caught fish which comprises, a heat-

isolated container, a substantially funnel-shaped perforate wall disposed in the bottom of said container and defining an annular space in said container beneath said wall, a large sectioned fish-discharge outlet leading from the centre of the bottom of said container and constituting the neck of said funnel, valve means in said fish-discharge outlet, inlet and outlet means for a cooling fluid into and out of said container in said annular space thereof, and overflow means at the top of said container.

2,628,484

COMBINATION DRIER AND RESTRICTOR FOR REFRIGERATION SYSTEMS

Russell W. Ayres and Donald F. Swanson, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn.
Application January 27, 1949, Serial No. 73,042
4 Claims. (Cl. 62-117.85)



1. A refrigerant system including a compressor, a condenser connected thereto, an evaporator, and a combined restrictor and drier unit connected between the condenser and the evaporator, said unit forming the sole means of restricting the passage of refrigerant to the evaporator, and a suction line connecting the evaporator and the compressor, said unit comprising an elongated chamber of a diameter smaller than the internal diameter of the suction line, said chamber containing material capable of absorbing moisture, the small diameter of the chamber and the obstruction created by the moisture absorbing material combining to create sufficient pressure drop between the ends thereof to obviate the necessity of further restriction.

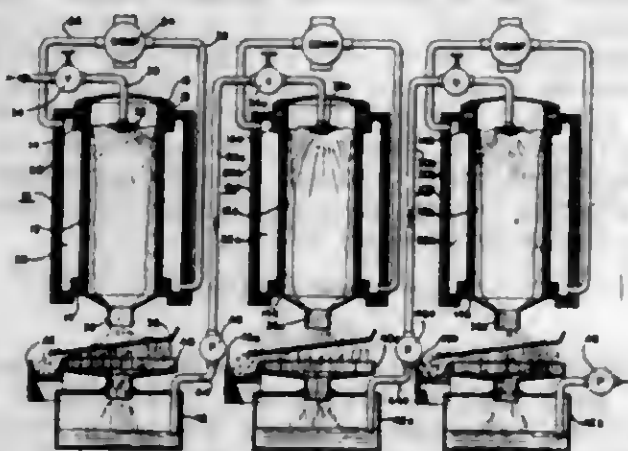
2,628,485

METHOD AND APPARATUS FOR DEHYDRATION

Harry Aubrey Toulmin, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application October 19, 1949, Serial No. 122,239
12 Claims. (Cl. 62-124)

1. In an apparatus for effecting the concentration of substances such as fruit and vegetable juices and the like by dehydration comprising: a substantially vertically disposed hollow cylindrical member having a discharge opening in the bottom end thereof, means in the upper end of

said member for spraying the substance to be concentrated against the inner surface thereof.



means for refrigerating said member, and means for rotating said member about its axis.

2,628,486

MECHANICAL REEL

Ernest L. Huff, Tarentum, Pa.

Application March 27, 1947, Serial No. 737,557

3 Claims. (Cl. 64-30)



1. In the combination of a drive transmission for a reel having an annular surface, said transmission having a rotary member provided with a rotary shaft, a plurality of clutch elements mounted for rotation in unison with said shaft and arranged to bear upon said surface, liquid-operated units mounted for rotation with said clutch elements and cooperating with said elements for forcing them into pressure contact with said surface, a system of intercommunicating passages in said shaft leading to said units, and a quantity of liquid confined in said system of passages; the invention herein described comprising stressed resilient means mounted in said rotary shaft for exerting a constantly applied static pressure on the confined liquid in said system, and a device for adjusting the stress of said means to regulate said continuously applied static pressure and the torque of said transmission, said device being rotatable with the shaft and accessible externally thereof for effecting said adjustment while the shaft is in rotation.

2,628,487

STOCKING AND METHOD OF MAKING THE SAME

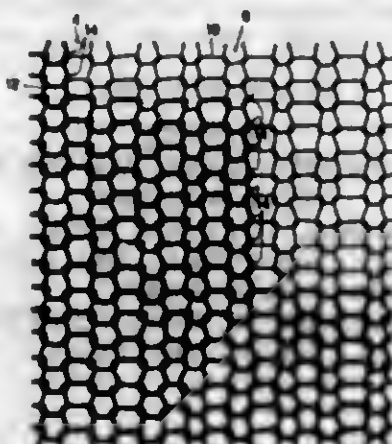
Ralph E. Thompson, Brookline, Mass., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application May 5, 1949, Serial No. 91,498

4 Claims. (Cl. 66-182)

1. In the formation of a stocking of the type comprising a reenforced area provided by heat

settable, thermoplastic yarn knit with a body yarn and in which said thermoplastic yarn has free ends beyond terminal loops in each course of said reenforced area, the steps of preboarding such stocking while said ends extend substantially



beyond said terminal loops, said preboarding being carried out at such temperature as to set the loops of said thermoplastic yarn, and then of cutting off the ends of said reenforcing yarn to lengths not exceeding one-sixteenth of an inch.

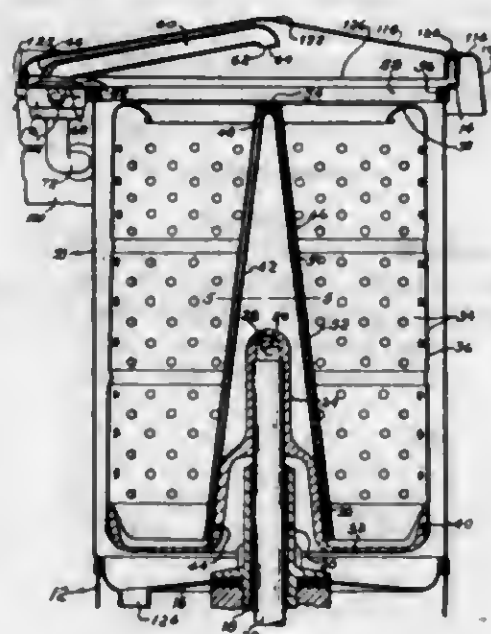
2,628,488

WASHING MACHINE PROVIDED WITH CONICAL RINSE WATER DISTRIBUTING MEANS

Martin L. France, Syracuse, and William G. Landwiler, Fayetteville, N. Y., assignors to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application September 17, 1948, Serial No. 49,682

6 Claims. (Cl. 68-9)



1. In a washing machine, an extractor tub having a bottom, side wall and top rim, a drive shaft extending upwardly through the bottom of said tub substantially to the axial center thereof, a basket mounted for rotation thereon, rinse water distributing means comprising an elongated perforated cone centrally located in and supported solely by the basket and rotatable therewith, said cone being open-ended at its upper smaller end, a rinse water feed means having a discharge nozzle located above the rim of said tub and directed toward the open end of said distributing means.

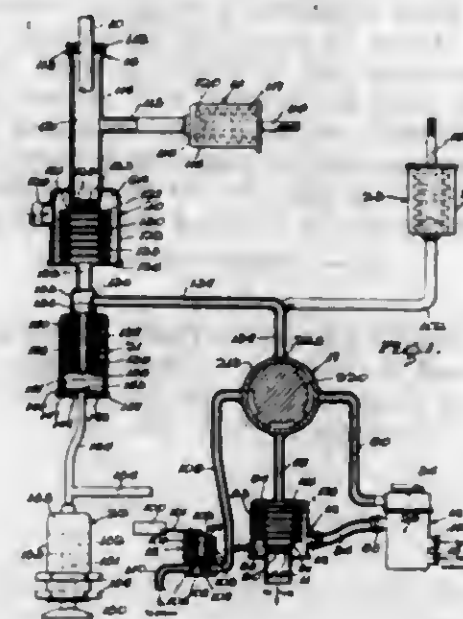
2,628,489

HYDRAULIC CONTROL

Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware

Application June 3, 1947, Serial No. 752,233

30 Claims. (Cl. 68-12)



1. In a hydraulic control, in combination with a plurality of valve elements to be controlled including a fluid mixing valve, means responsive to the temperature of said fluid for operating said mixing valve, a plurality of pressure motors respectively associated with said valve elements, each of said motors including an expansible and collapsible chamber and means providing a chamber exteriorly of said first named chamber and in communication therewith through a bleed opening, each of said motors having a passage individual to and communicating with one of said chambers and means for admitting liquid under pressure to the other of said chambers, means providing a low pressure passage, a single pilot valve associated with all of said first named passages and including means for sequentially bringing the same into communication with said low pressure passage, said pilot valve including a casing having ports respectively in communication with said first named passages and a body movable in said casing and having passages for sequentially establishing communication between said ports and said low pressure passage, and a timing motor operatively connected to said valve body.

10. In a hydraulic control for automatic washing machines, the combination of a Hemmeter valve provided with a chamber for liquid under pressure, a brake operator including a pressure motor in communication with said chamber, means for controlling the application of pressure liquid to said chamber and motor including a valve, an expansible and collapsible chamber operatively connected to said valve, means providing a chamber exteriorly of said expansible and collapsible chamber and communicating therewith through a bleed opening, means providing an inlet for introducing liquid under pressure into said last named chamber, means providing an outlet passage from said expansible and collapsible chamber, and means for controlling the flow of liquid through said outlet passage to determine whether or not pressure shall be developed through said bleed opening in said expansible and collapsible chamber.

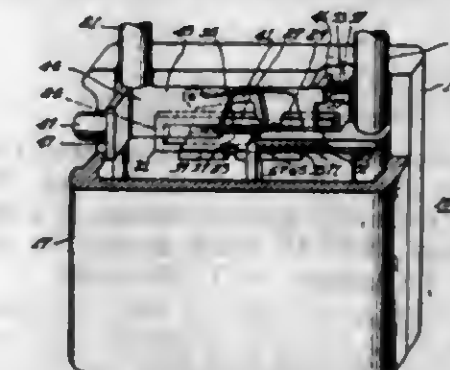
2,628,490

PUSH-BUTTON COMBINATION LOCK

Markus Klein, Pittsburgh, Pa.

Application February 11, 1947, Serial No. 727,777

11 Claims. (Cl. 70-25)



1. A locking mechanism comprising a locking bolt; a support for said bolt, said bolt being mounted movable relative to said support to locked and unlocked positions; a plurality of tumblers each mounted on said support to move relative to said support in a horizontal plane when said mechanism is disposed in position for operation, said tumblers engaging said bolt in such manner that, when said bolt is in said locked position said tumblers are movable but prevent the movement of said bolt; a pawl for moving repeatedly each of said tumblers independently of the others; a push rod, associated with each pawl, mounted on said support, each pawl being mounted on its corresponding push rod in such manner as to be urged into engagement with its corresponding tumbler by gravity; a slotted cover interposed between each pawl and each tumbler for limiting the portion of the range of movement of said pawl over which it engages said tumbler; and a push button for actuating each push rod to actuate correspondingly each of said pawls, said pawls being actuated solely by their corresponding pushbuttons; said tumblers, after each has been moved a predetermined number of times, releasing said bolt.

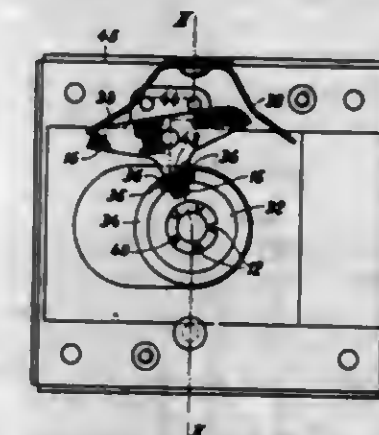
2,628,491

SAFETY LOCK

Armin Giesiger, Selzach, Switzerland

Original application March 8, 1949, Serial No. 80,340. Divided and this application July 8, 1950, Serial No. 172,640. In Switzerland January 6, 1949

5 Claims. (Cl. 70-134)



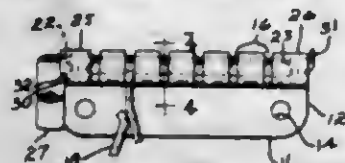
1. In a safety lock, in combination, a lock case; a lock member shiftably mounted in said lock case; a control member pivotally mounted on said lock member; stop means fixedly secured to said lock member and adapted to block said control member in two angularly spaced positions of the same against movement relative to said

lock member in one direction; and rotatable means adapted to be rotated by a proper key and during such rotation engaging and pivoting said control member into one of said positions whereupon further rotation of said rotatable means in the same direction causes shifting of said lock member.

2,628,492

KEY RETAINER

Karl Frederick Sonntag, Watertown, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 21, 1950, Serial No. 169,440
3 Claims. (Cl. 70-456)

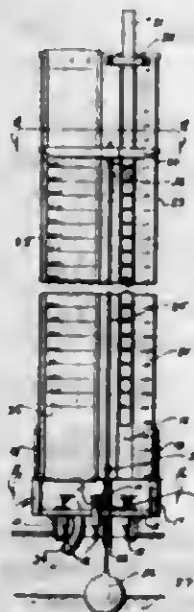


1. A key retainer adapted to be secured to the body of a key case for removably securing a plurality of key loops, each loop having a shank with an enlarged head at one end, said retainer comprising a base plate having one end bent into hollow tubular form, said tubular portion being provided with cross slots terminating in enlarged holes so the head of a key loop may enter only through one of such holes and the key loop shank may slide in the slot, a guard bar curved to fit against the inside surface of said tubular portion covering less than half the inner wall thereof and having journal portions at opposite ends curved to fit around substantially more than half the inside diameter of said tubular portion so that said guard bar may be turned along the inner surfaces of said tubular portion from one limiting position where it just blocks the entrance holes in the tubular portion to another position uncovering said holes, a lug at one end and an operating handle at the other end of the guard bar bearing against opposite ends of said tubular portion to prevent endwise movement of the bar, and means for limiting the rotative movement of the bar between the aforesaid positions.

2,628,493

MEANS FOR CALIBRATING LIQUID LEVEL MEASURING STICKS

Leon H. Sandefur, Des Moines, Iowa
Application April 3, 1950, Serial No. 153,649
4 Claims. (Cl. 73-1)



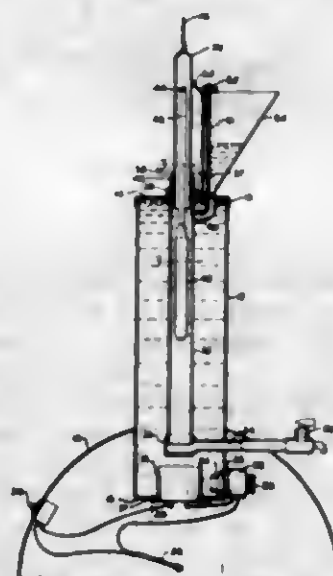
1. In a dip stick calibrating device adapted to being used on a tank having a top opening, a frame adapted to being detachably secured in a

vertical position on the top opening of a tank, a rod movably mounted on said frame to be vertically slidable thereon, a float secured to the lower end of said rod, a cross bar secured to said rod at right angles thereto, a reference scale comprising a plurality of evenly spaced marks arranged vertically on said frame, a means for clamping a dip stick in a vertical position on said frame, and means for introducing measured quantities of liquid into a tank through a tank top opening on which said frame is secured; said cross member extending across the portion of said frame to which a dip stick is clamped and across said reference scale; said rod and float adapted to enter said tank and to extend near the bottom thereof; said float and rod adapted to move slidably upwardly in response to a rising liquid level.

2,628,494

ANTIFREEZE SOLUTION TESTER

Frank R. Wilson, Lexington, Ky.
Application October 25, 1950, Serial No. 192,079
14 Claims. (Cl. 73-34)



1. A device for testing the freezing point of an antifreeze solution comprising a vertically disposed float chamber for receiving the solution to be tested, a hydrometer float in said chamber for floating in the solution contained therein, a transparent tube received in the upper end of said chamber, said tube being closed at the top and open at the bottom to form an air trap whereby the solution being tested will be prevented from rising in said tube, an elongated stem on said hydrometer float adapted to extend upwardly into said tube, an index on said stem, a tablet lying adjacent to said tube and mounted in fixed relation with respect to said float chamber, a scale on said tablet cooperating with said index for providing a reading of the freezing point of the solution, and means for adjustably securing said tube in the upper end of said chamber so that the tube may be moved in or out of said chamber to calibrate the device for different hydrometer floats.

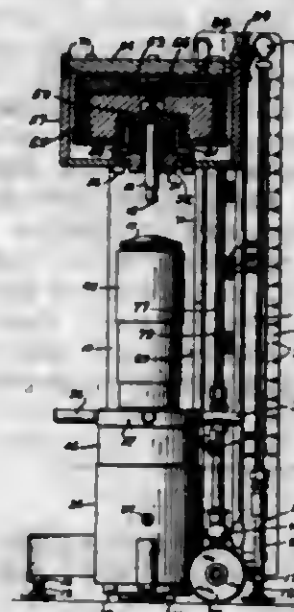
2,628,495

HARDNESS TESTER

Kenney M. Day, Nevada City, Calif.
Application July 17, 1951, Serial No. 237,140
6 Claims. (Cl. 73-83)

1. In a hardness tester, an anvil, a penetrator positioned above said anvil, a box above the penetrator rigidly mounted and pneumatically sealed, means for mounting the penetrator for vertical movement relative to said box, bellows means in the box connected to the penetrator

and dividing the box into first and second chambers, said first chamber being a penetrator actuating chamber and the second chamber being a measuring chamber, means for supplying fluid under pressure to said first chamber to expand the same and actuate the penetrator toward the

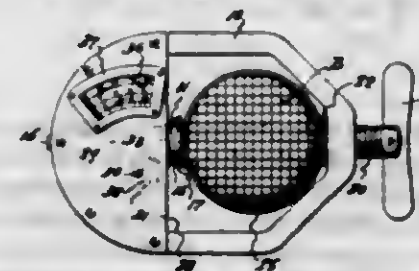


anvil, whereby the volume of said second chamber is varied, and measuring means in communication with the second chamber responsive to a change in volume thereof to give an indication of the hardness of an object into which the penetrator penetrates.

2,628,496

PORTABLE GOLF BALL TESTER

George Malcolm Wiek, Ridgewood, N. J.
Application April 12, 1950, Serial No. 155,481
2 Claims. (Cl. 73-94)



1. A portable golf ball tester comprising an open body frame, a compressible tester spring means mounted within said frame at one end thereof, a manipulatable pressure exerting screw threaded through the opposite end of said frame in axially aligned relation to the tester spring means, a normally circular, flexibly resilient ring for the reception and closely embracing support of a ball to be tested, said ring being diametrically aligned between the tester spring means and screw, means to couple one side of the ring to the tester spring means, means to couple the opposite side of the ring to the screw, and means cooperative with the tester spring means, ring and screw assembly for visually indicating the amount of compressional force applied to the ring supported ball.

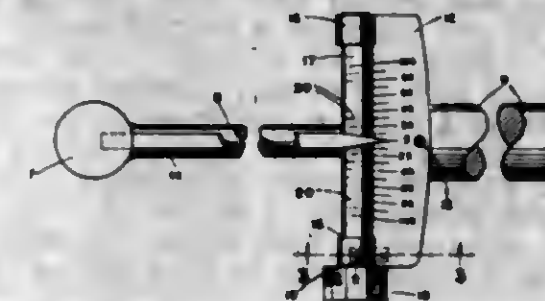
2,628,497

TORQUE WRENCH

Charles W. Hart, Alhambra, Calif.
Application January 5, 1948, Serial No. 475
4 Claims. (Cl. 73-139)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In combination in a wrenching device, a flexible shank having a handle, and a pointer

interconnected therewith to produce relative swinging movement upon torque application, a selectively rotatable cylindrical member mounted transversely of one end of said shank, said mem-

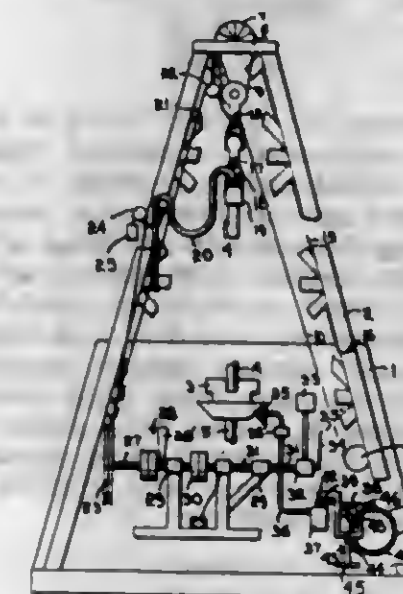


ber having a series of spaced recesses arranged spirally around the axis thereof, and said pointer having a portion engageable with said recesses to produce clearly audible noises during said relative swinging movement.

2,628,498

DRILLING RATE INDICATING DEVICE

Alonso L. Smith, Houston, Tex.
Application May 6, 1948, Serial No. 25,447
10 Claims. (Cl. 73-151.5)



1. In a rotary well apparatus for measuring the total number of revolutions of the drill bit per unit of formation through which the bit is drilled comprising, means for determining the total number of revolutions of the drill bit, means for determining the amount of penetration of the drill bit in the formation and means for comparing said means for determining the total number of revolutions with said means for determining the amount of penetration of the drill bit so that a record of the number of revolutions per unit of penetration is obtained.

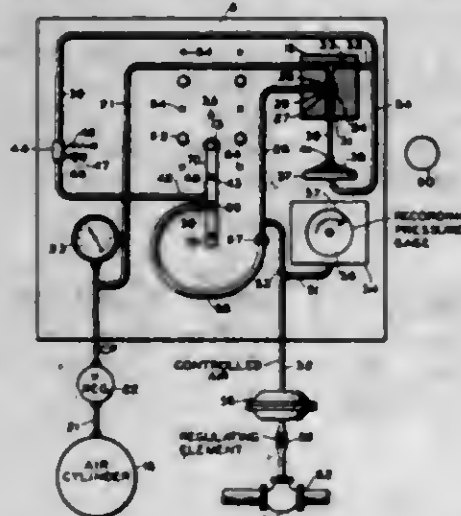
2,628,499

FLUID VELOCITY RESPONSIVE REGULATING OR INDICATING MEANS

Louis D. Kleias, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 16, 1949, Serial No. 93,586
8 Claims. (Cl. 73-228)

1. A flow responsive device for controlling an element in response to said flow, comprising a base relative to which said fluid is flowing, a shaft pivoted to said base about an axis disposed perpendicular to the direction of flow of said fluid, a first lever arm secured to said shaft and extending into said fluid, a target on said first lever arm in said fluid, a second lever arm secured to

said shaft, a Bourdon tube secured at one end directly to said second lever arm and at the other end to said base, a valve body mounted on said base, a chamber in said body, said body having a first and second valve seat forming opposite ends of said chamber, a control conduit communicating between the interior of said Bourdon tube and the interior of said chamber intermediate said seats, a valve in said chamber movable to seat and close either said first or second valve seats, an exhaust conduit connecting said first seat to the atmosphere, a source of fluid under constant pressure, a first supply conduit connecting said second seat to said source, a first

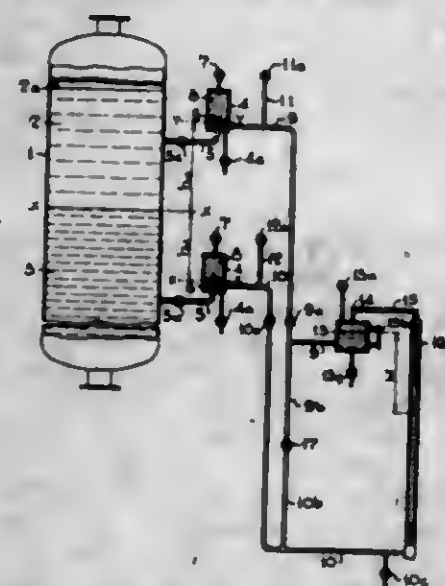


fluid motor connected to said valve to move the same between said seats, a second supply conduit having a bleed nozzle secured to said base adjacent to said second lever arm, said second lever arm being disposed in pivoting about said axis to variably restrict flow out of said nozzle, a connecting conduit containing a restricted orifice therein connecting said first and second supply conduits, said second supply conduit being also connected to said first fluid motor, and means comprising a second fluid motor, an element driven by said second fluid motor and a fourth conduit connecting said control conduit and said second fluid motor.

2,628,500

APPARATUS FOR DETERMINING LIQUID LEVELS

Russell R. Johnson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 16, 1948, Serial No. 49,621
7 Claims. (Cl. 73-299)



1. Apparatus for indicating the level of a process fluid in a process vessel, comprising a closed

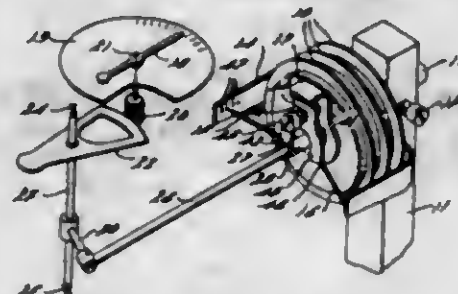
receiver for a seal liquid substantially immiscible with the process fluid, and of different specific gravity, a body of seal liquid in said receiver, a conduit having an open terminal end disposed at a predetermined level within the receiver, extending outwardly through an end wall thereof into communication with a process fluid in said vessel, a trap shield element having a closed end and an open end facing the terminal end of said conduit, with said conduit terminal end and the open end of said shield element disposed in the same plane and thereby establishing a fixed interface between the seal liquid and the process fluid, and manometer means indicating the gravimetric pressure of process fluid in the vessel above said interface upon the seal liquid communicating with said receiver through a side wall thereof at a level between that of the terminal end of the conduit and the end wall of the receiver through which said conduit is extended outwardly.

2,628,501

TEMPERATURE COMPENSATION ADJUSTMENT FOR PRESSURE RESPONSIVE INSTRUMENTS

Emil Knapp, Floral Park, N. Y., assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y., a corporation of New York

Application April 1, 1949, Serial No. 84,849
18 Claims. (Cl. 73-386)



15. In a device employing a pressure responsive aneroid having a fixed end and a free end, a temperature responsive member for producing a temperature compensation for the position of the aneroid under a pressure condition having a fixed portion and a free end, a second member mounted on the free end of said pressure responsive aneroid, a connection between the free end of said temperature responsive member and said second member for transmitting said temperature compensation from said temperature responsive member to said second member, the position of said connection being adjustable by means located at both ends thereof to vary the temperature compensating force applied to the aneroid.

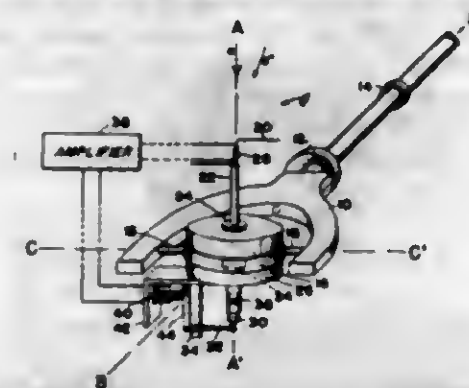
2,628,502

MAGNETIC ORIENTATION

Norman E. Klein, Garden City, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application May 11, 1944, Serial No. 535,160
3 Claims. (Cl. 74-543)

3. An orientation system for maintaining an axis substantially parallel to a relatively uniform magnetic field, comprising supporting means for said axis permitting rotation thereof about two orientation axes, a coil in axial alignment with said axis, a magnetic core extending through said coil and mounted for rotation about said axis with at least a portion of said core rotating in a plane normal to said axis, an air motor for

rotating said core, and means responsive to the voltage induced in said coil when said axis departs from parallelism with said magnetic field for directing the exhaust from said air motor in



such manner as to produce restoring torques about said orientation axes tending to return said axis substantially to its original position of parallelism with said magnetic field.

2,628,503

MECHANISM FOR PRODUCING SIMULTANEOUS OSCILLATING AND ROTARY MOTION

William Messenger, Philadelphia, Pa.

Application November 6, 1950, Serial No. 194,344
9 Claims. (Cl. 74-22)

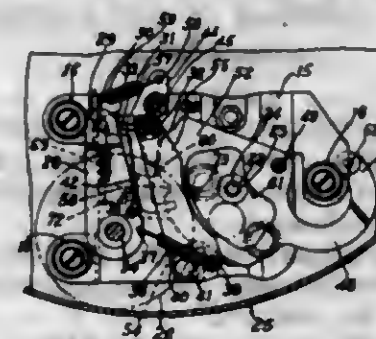


1. A device for converting rotation into translation comprising a shaft, a sleeve surrounding the shaft, a thrust bearing between the sleeve and the shaft preventing relative axial movement and allowing relative rotational movement therebetween, a first grooved race on the sleeve and a second grooved race mounted on a supporting structure, at least the race on the sleeve being formed with a plurality of spiral grooves spaced around the race, at least one ball in each groove coupling the races together, and means for rotating the sleeve relative to the supporting structure.

2,628,504

PLURAL SPEED CHANGER MOTOR FOR PHONOGRAPH TURNTABLES

Andrew F. Deming, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application March 2, 1951, Serial No. 213,608
13 Claims. (Cl. 74-199)



1. A plural speed changer motor for a flanged turntable, a shaft upon the motor, a turret plate

movable relative to the motor, a plurality of intermediate pulleys journaled upon the turret plate, means for moving the turret plate for moving the intermediate pulleys into selective contact with the motor shaft, means for latching the turret plate against movement when each intermediate pulley contacts the motor shaft, an idler plate movable relative to the turret plate, an idler wheel journaled upon the idler plate for contact with the turntable flange and for selective contact with the intermediate pulleys, and means between said latching means and the idler plate for moving the idler plate to move the idler wheel out of contact with the intermediate pulleys when the turret plate is in non-latched position.

2,628,505

V BELT AND METHOD OF MAKING SAME
Robert R. Riel and Richard A. Claussen, Wabash, Ind., assignors to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 12, 1947, Serial No. 727,954
16 Claims. (Cl. 74-233)



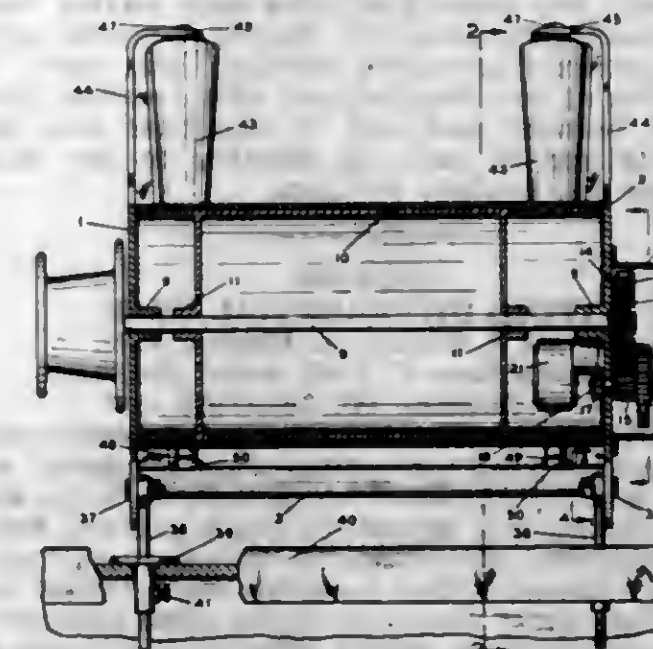
1. A belt comprising a solid rubber annulus having an outwardly directed circumferential face, a relatively flat fabric tube of substantially greater internal width than thickness disposed against the outwardly directed face, a reinforcing means disposed in the tube and including a series of parallel elements extending circumferentially about the annulus and disposed so that the lines of centers of said element formed by cutting said belt by a single axial plane are parallel, and a fabric cover embracing the annulus, tube and elements.

2,628,506

GEARING

Aidan J. La Beck and Leland E. Hoy, Clatskanie, Oreg.

Application October 18, 1949, Serial No. 122,084
1 Claim. (Cl. 74-421)



Driving means for a pick-up roll for gillnets, including a hollow horizontally disposed roller

mounted on a shaft, one end of which extends through a supporting frame, said driving means comprising a fluid motor mounted on said frame within the horizontally disposed hollow roller, the motor shaft extending through the frame to the outside thereof adjacent the roller shaft, a pinion on the outer end of said shaft, a gear meshing with the said pinion, a pinion secured on the shaft of the gear and rotating therewith, a ring gear meshing with the pinion on the shaft with the gear, a clutch element mounted on the end of the shaft carrying the hollow horizontally disposed roller, the clutch member having a cut-out portion with one wall thereof inclined, and a roller mounted in the depression, the roller when in contact with the inclined wall of the depression frictionally binding the clutch member and ring gear together.

2,628,507

AUTOMOBILE ACCELERATOR ATTACHMENT

John Juergens, McHenry, Ill.

Application June 17, 1950, Serial No. 168,774

1 Claim. (Cl. 74-513)



An automobile accelerator pedal attachment comprising a flat metal base having outwardly extending projections adapted to be bent about the sides and bottom of said pedal, said base having two generally upright side members, a curved top member having near its longitudinal midpoint two depending sides each having longitudinally extending slots therein, a pivotal support member extending through said slots in the sides of said top member, and a spring connected between one end of said base and the opposite end of said top member to bias said member to a certain position.

2,628,508

HYPOID DIFFERENTIAL GEAR

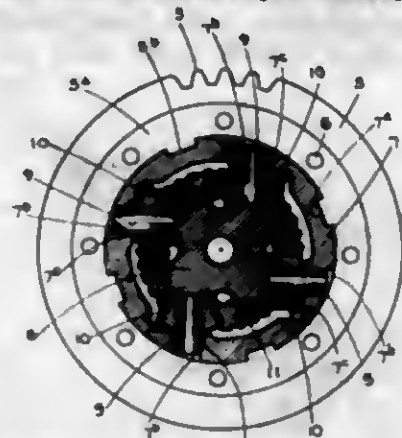
Vernon E. Gleasman, Elmira, N. Y.

Application June 17, 1949, Serial No. 99,848

3 Claims. (Cl. 74-715)

1. A cartridge unit for differential gears comprising a pair of contacting annular plates; an offset spider gear support disposed within the annular plates, said support having a hub and having cylindrical projections on the peripheral faces of the hub each offset from the center of its related face equal distances in the same direction; said annular plates having offset semi-cylindrical grooves therein forming bores receiving the outer end portions of the respective projections; said annular plates having bearing surfaces on their

inner peripheries adjacent to and normal to the projections; and pinions journaled on the pro-



jections between the bearing surfaces and the faces of the hub.

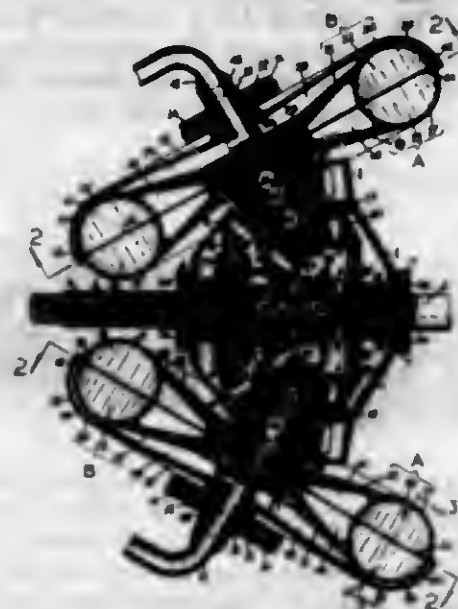
2,628,509

HYDRODYNAMIC TRANSMISSION

Baudillo Jesús Piqué, Marianao, Habana, Cuba

Application October 21, 1950, Serial No. 191,431

5 Claims. (Cl. 74-730)



1. A hydrodynamic transmission comprising a driving shaft, a driven shaft being in alignment with said driving shaft, an auxiliary shaft positioned radially and forming a determined angle of incidence with said driving and driven shafts, direct and reverse driven bevel gears independently rotatable upon said driven shaft and both being in geared relation respectively with said auxiliary shaft, means to connect and disconnect selectively each one of said driven bevel gears with said driven shaft, a hydraulic coupler having a pump rotor member and a turbine rotor member both being mounted upon said auxiliary shaft, said pump rotor member being independently rotatable with respect to said auxiliary shaft, bevel gears connecting said pump rotor with said driving shaft, and said turbine rotor member being fastened on said auxiliary shaft.

2,628,510

VEHICLE TRANSMISSION CONTROL

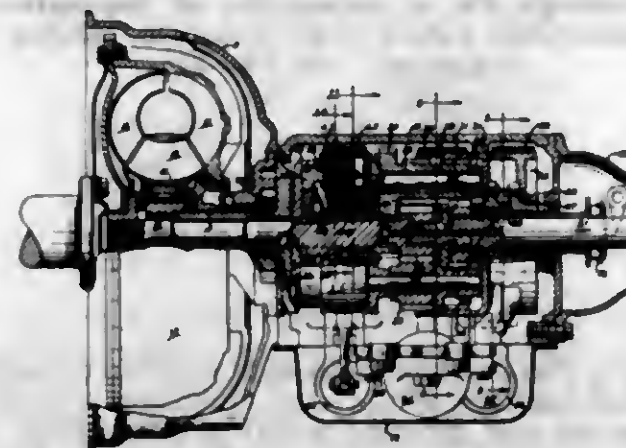
Edwin C. McRae, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Original application November 17, 1949, Serial No. 127,849. Divided and this application June 2, 1950, Serial No. 165,725

2 Claims. (Cl. 74-752)

1. In a variable speed mechanism for a motor vehicle, in combination, an engine, variable speed

gearing driven by said engine, brake means arranged when applied to shift said variable speed gearing to a predetermined speed reduction, a solenoid operated valve controlling said brake means, clutch means arranged when engaged and said brake means are applied to shift said variable speed gearing into direct drive, a second solenoid operated valve controlling said clutch means, a manually operated switch, said first and second solenoids being arranged in parallel



with each other and in the circuit of said manually operated switch, a vacuum controlled switch and a speed responsive switch arranged in parallel with each other and in the branch circuit of said second solenoid so that the variable speed gearing operates in said speed reduction when both the engine vacuum and vehicle speed are below predetermined values and in direct drive when either engine vacuum or the vehicle speed are above predetermined values.

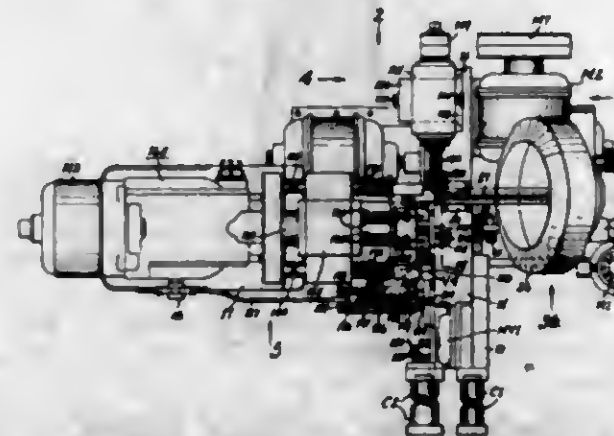
2,628,511

DYNAMO BRUSH MACHINE

Richard M. Goodwin, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 30, 1948, Serial No. 52,006

9 Claims. (Cl. 77-5)



1. A machine for drilling commutator brushes comprising a dial having pockets for receiving brushes, means for indexing the dial so that each pocket moves successively past loading, drilling and ejecting stations, a rotary drill at the drilling station, means for advancing and retracting the drill, means at the ejecting station for ejecting a brush from the dial, a fixed guide into which the ejecting means moves brushes from the dial and which guides the ejected brushes to an apparatus which performs an operation upon them as they move in the guide and means operating after dial indexing for causing movement of the ejecting means at a relatively slow rate in the brush ejecting direction during the brush drilling operation and at a faster rate in the opposite direction after the brush drilling operation.

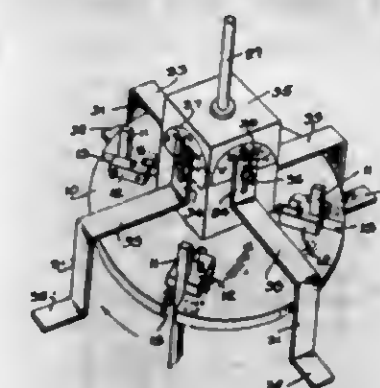
2,628,512

ROTARY CUTTING TOOL

Floyd R. Lankford, Miami Beach, Fla.

Application January 11, 1951, Serial No. 205,449

13 Claims. (Cl. 77-69)



1. A fly cutter comprising the combination of a disc having circumferentially spaced radially disposed slots open at their outer ends, tool holders carried by said disc and slidable respectively in said slots, means for individually locking said holders in adjusted positions within said slots, means for operable association with a drill chuck for centering and rotating said disc, a bearing block for said centering means, and means attached to said block for supporting said disc in position for tool engagement with material to be cut.

2,628,513

BURRING TOOL

Edward F. Packard, Detroit, Mich., assignor to Walter E. Harrer, Southfield, Mich.

Application May 9, 1950, Serial No. 160,998

9 Claims. (Cl. 77-73.5)

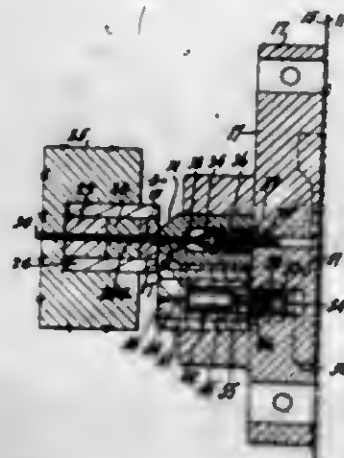


1. A tool for removing burrs and the like from the edges of a punched or drilled hole comprising a holder member having an axial passage therein opening at one end thereof, a cutter shank having its one end extending through the opening into said axial passage and pivotally connected to said holder member, the other end of said cutter shank projecting outwardly from said holder member and having a cutter mounted thereon, and resilient means for biasing said cutter shank out of axial alignment with said holder member.

2,628,514

EJECTOR FOR HEADER PUNCHES

Marley O. Frist, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 24, 1947, Serial No. 781,943
1 Claim. (Cl. 78-17)

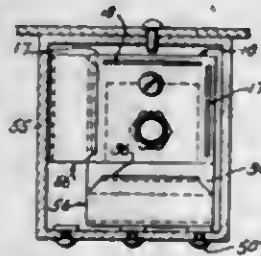


In a double stroke header having a fixed die, a coning punch and a header punch movable alternately into cooperative relation with the die to form a work piece, a ram for moving the punches axially toward the die, a slide supported by the ram for movement transversely of the die, a frame attached to the slide and supporting the punches, means for operating the ram and slide, the combination including an ejector, comprising a knockout pin movable axially of the header punch, a movable bar extending through the frame and guided thereby axially of the header punch, rollers mounted upon the ends of the bar, cams attached to the ram and engaged by the rollers and so shaped as to effect a movement of the bar axially of said punch in response to a movement of the slide transversely of said die, and operating means for transmitting movement of the bar to the knockout pin.

2,628,515

RIVET-BUCKING TOOL

Samuel E. Hinkle, Houston, Tex.
Application February 13, 1948, Serial No. 8,107
2 Claims. (Cl. 78-53.5)



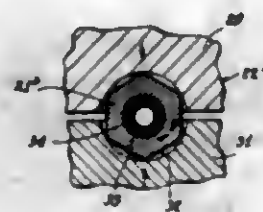
1. A rivet bucking tool adapted to be placed between the side walls of a work piece comprising a body having a bore opening through one face thereof, an anvil having a face adjacent said one face of said body, a piston projecting from said anvil and slidably received in the bore in said body, said body having a passage opening into said bore for the admission of a pressure fluid into the space between the inner end of said bore and the adjacent end of said piston to move said body and said anvil relative to each other in a separating direction, said body also having grooves in each end thereof adjacent the edges thereof at a location adjacent the opposite face of said body, and an adapter having inwardly extending tongues received in said grooves thereby attaching said adapter to said body to cover the face of said body opposite said one face, and

said adapter being shaped to correspond to and be supported by one wall of a work piece while a rivet is being bucked at the opposite wall of the work piece by said anvil.

2,628,516

TUBE MAKING PROCESS

Porter H. Brace, Forest Hills Boro, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1949, Serial No. 103,846
3 Claims. (Cl. 78-81)

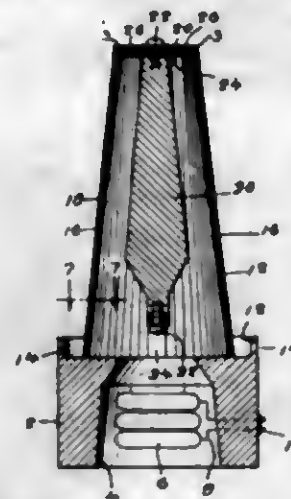


1. The steps in the method of making a tubular metallic member comprising enclosing a tube of compacted and sintered metal powder, while the same is heated to working temperature, for its full length in a die of generally polygonal cross-section, passing a tapered mandrel through said tube to expand it to fill the die, removing the expanded tube, enclosing said tube, while heated to working temperature, for its full length in another die of generally circular cross-section, and passing another tapered mandrel through said tube to expand it to fill the generally circular die.

2,628,517

STRETCHER FOR SPECTACLE FRAMES

Carlyle W. Klotz, Fennimore, Wis.
Application April 17, 1948, Serial No. 21,590
1 Claim. (Cl. 81-3.5)

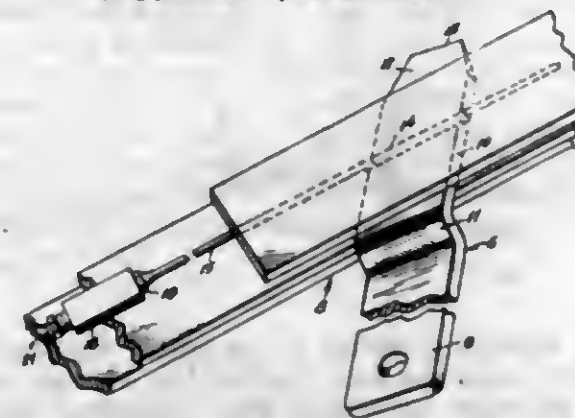


In a stretcher for spectacle frames, a base provided with a central bore, heating elements arranged in said bore, said base having a recess formed in its upper surface, a flexible frusto-conical shaped apron having its lower end seated in said recess, said apron including a wire mesh member and a plurality of vertically disposed elongated strips extended over the outer surface of said wire mesh member, the upper ends of said strips extending inwardly to define a flange portion, a support member extending upwardly from said base, a washer mounted on the upper end of said support member, a plate arranged in spaced parallel relation above said washer, a securing element extending through said plate and washer and into said support member, and a plurality of discs interposed between said plate and washer and surrounded by said flange portion.

2,628,518

SPRING LUBRICATING APPARATUS

Edward Frank Mitton, Bellaire, Ohio
Application January 14, 1949, Serial No. 70,887
2 Claims. (Cl. 81-3.7)



1. A lubricating apparatus for leaf springs comprising a leaf spreading tool including a relatively wide, relatively thick blade having a beveled free end adapted to be forced between the leaves of a spring for positioning said blade between two of the spring leaves, said blade having a groove extending transversely thereacross and adapted to be disposed substantially longitudinally of the spring, and a tube for supplying a lubricant under pressure extending slidably through said groove as a guide and supported therein for sliding movement longitudinally between the spread leaves of the spring, said tube supplying a lubricant to the space between said spring leaves as the discharge end of the tube is moved longitudinally of the spring.

2,628,519

NAIL STRAIGHTENING PLIERS

Wilfred C. Hand, Mountainside, N. J.
Application February 15, 1949, Serial No. 76,621
1 Claim. (Cl. 81-15)



A tool as described comprising a pair of levers forming gripping heads at one end and handles at the other, a pivot pin for connecting said levers together between their heads and handles, a pair of longitudinally spaced and aligned seats formed on one of said gripping heads and lying in the same plane, one of said seats being adjacent said pivot pin, the gripping head carrying said seats being relieved between said seats, and a seat formed on the other of said gripping heads and axially positioned opposite the relieved portion between said pair of seats, each of said seats having a longitudinal groove, all of which are aligned, and said seat adjacent said pivot pin having at least one transverse groove intersecting the longitudinal groove of that seat.

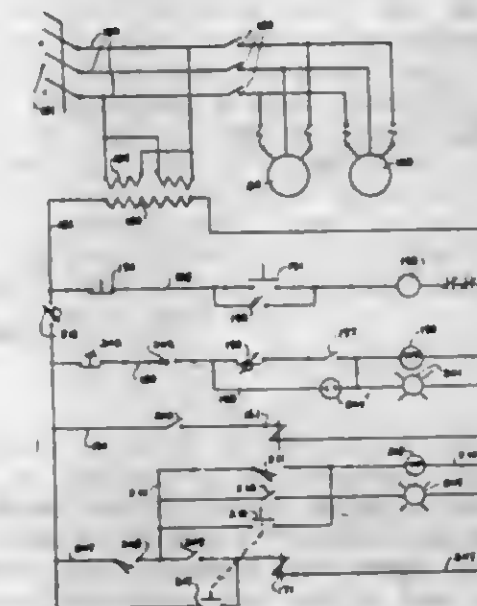
2,628,520

MACHINE FOR ASSEMBLING A WORKPIECE ON ANOTHER PART

Roy W. Bailey and John T. Faull, Detroit, Mich., assignors to Detroit Power Screwdriver Company, Detroit, Mich., a corporation of Michigan
Application May 8, 1952, Serial No. 286,692
10 Claims. (Cl. 81-54)

1. A machine for assembling a work piece on another part, comprising a rotatable reciprocable

spindle adapted to receive a work piece at one end, an injector slidably transversely of said spindle at said end and adapted to insert a work piece in said end, electrically operated means for bringing said spindle downward or toward said injector and counter-biased to retract said spindle, similar means for moving said injector forward or toward said spindle and counter-

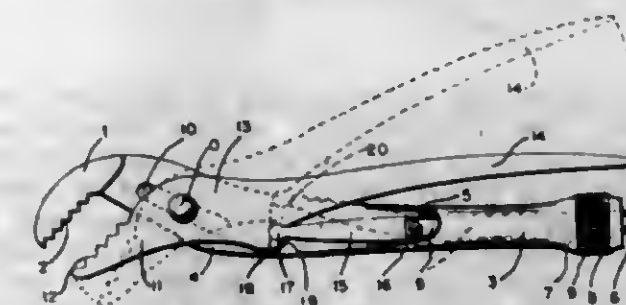


biased to retract said injector, an operator-actuated switch for controlling flow of current to the first means, a switch connected to the second means and closable by said spindle on the retraction thereof, and another switch connected to the second means and operable by said injector in the forward position to de-energize the second means, whereby the biased second means retracts the injector.

2,628,521

PLIER-WRENCH

Nels Berglund and August Berglund, Duluth, Minn.
Application March 2, 1950, Serial No. 147,238
3 Claims. (Cl. 81-83)



1. In a plier-wrench a pair of one-piece members, each of said members having a rigid jaw extending therefrom, a fulcrum portion rearwardly of said jaws, and a handle, said members being pivotally united at their fulcrum portions, one of said members having an elongated slot through its fulcrum portion forming a part of said pivotal union and a screw reciprocally carried by its handle; the other said member having a socket in its fulcrum portion; and a link arm pivotally carried in said socket at one end and pivotally connected to said screw at its opposite end whereby the reciprocation of said screw will change the spacing of said jaws relative to each other.

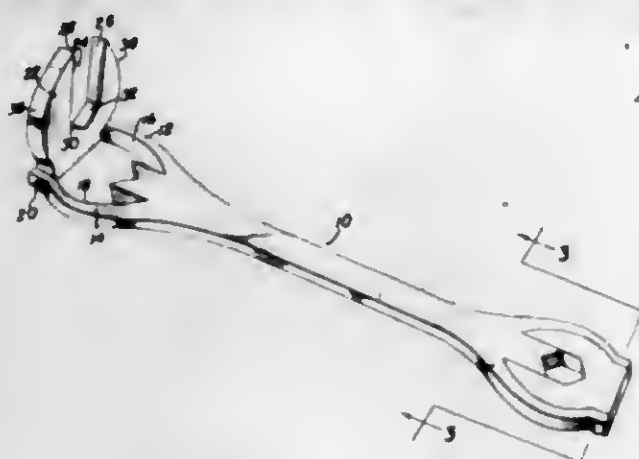
2,628,522

OPEN-END WRENCH CONVERTIBLE TO BOX-TYPE WRENCH

Fred E. Kraft, Chicago, Ill.

Application January 26, 1950, Serial No. 140,577

1 Claim. (Cl. 81-119)



A wrench comprising a handle, a pair of laterally spaced arms on one end of said handle, inner sides of said arms providing confronting surfaces, an open-end wrench head terminally pivoted to said arms, outer sides of said head being complementary to the confronting surfaces of said arms, and a projection on said handle receivable in the open end of said wrench head when said head is pivoted toward said handle so as to lie between said arms, said projection having a work-engaging face which then co-operates with said open-end wrench head to form a box-type socket wrench.

2,628,523

WRENCH PROVIDED WITH A COTTER PIN HOLE LOCATOR

Allen L. Williams, Park Ridge, Ill.

Application December 27, 1950, Serial No. 202,920

1 Claim. (Cl. 81-180)



In a coter pin hole locating attachment for a wrench, the combination which comprises a wrench having a handle with a head having a nut receiving socket therein positioned at one end of the handle, a longitudinally disposed bar positioned on one side of and parallel to the handle of the wrench, spring clips on the ends of the bar extended around the handle in planes at right angles to the longitudinal axis of the bar for retaining the bar in position upon the handle, a spring arm having an arcuate outer end carried by the side of the bar and extended on one side of the head of the wrench in a plane extending at right angles to the plane of the handle, and a pin carried by the arcuate outer end of the spring arm perpendicular thereto and parallel to the side of the head of the wrench and positioned to extend through slots in a nut positioned in the socket of the head of the wrench, said pin carried by the arcuate outer end of the spring arm also positioned to extend into a coter pin hole extended through a bolt upon which a nut positioned in the socket in the head of the wrench is threaded.

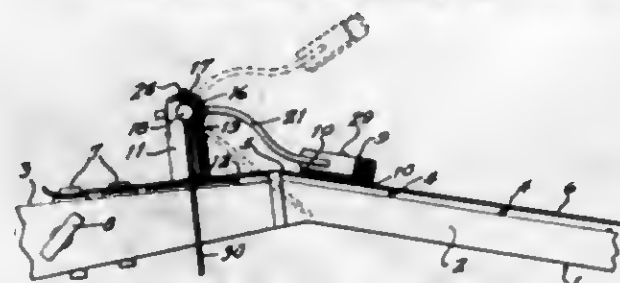
2,628,524

GUITAR DAMPER

George Van Eps, Burbank, Calif.

Application September 11, 1950, Serial No. 184,147

7 Claims. (Cl. 84-267)



1. A damping device for a guitar having a peg head for securing and tuning the strings including a member provided with damping material for overlying and engaging the strings of the guitar, a post secured to the peg head of said guitar, an arm extending between the post and the damping device, and means for rocking the arm to raise or lower the damping device onto the strings without depressing them.

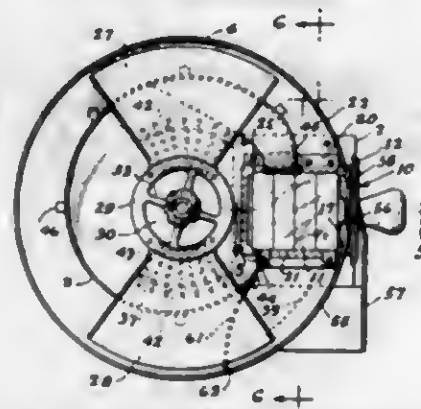
2,628,525

SYSTEM FOR REMOVAL OF HEAT ENERGY FROM LIGHT BEAMS

Fred D. Leslie, Malverne, N. Y., and Herbert E. Bragg, Oxford, N. J., assignors to Twentieth Century Fox Film Corporation, New York, N. Y., a corporation of New York

Application November 12, 1948, Serial No. 59,698

9 Claims. (Cl. 88-17)



1. In motion picture apparatus a rear shutter housing formed with aligned apertures there-through for the passage of a beam of light, a light transmissive, heat absorptive element, means to mount said element within said housing over one of the apertures therein and means within said housing to create a current of air and direct it against an edge of said element said directing means including a bordering wall having one edge secured to an inner face of said shutter housing and extending laterally therefrom, and said wall terminating closely adjacent said edge of said heat absorptive element, and a confining wall element extending from said bordering wall adjacent the terminating end thereof, and lying in opposition to said inner face of said rear shutter housing.

2,628,526

MOTION-PICTURE VIEWER

Francis T. Coffey, Sr., Los Angeles, Calif.

Application November 22, 1948, Serial No. 61,470

2 Claims. (Cl. 88-17)

1. A motion picture viewer, comprising: a casing having an aperture in one wall thereof

through which light can pass; an eyepiece in the opposite wall of the casing; a lens within the casing in alignment with and disposed between said aperture and said eyepiece; an oscillatable shutter means disposed between said eyepiece and said lens and adapted to alternately cover and uncover said aperture; a first shaft rotatable in said casing; cam means carried by said shaft and engageable with said shutter means for oscillating said shutter means; spaced rotatable spool spindles within the casing adapted to support film spools, the first of said spools constituting a rewind spool and being adapted to carry a coil



of perforated picture film to be viewed, and the second of said spools constituting a wind-up spool and being adapted to receive film unwound from said first spool; guide means for guiding the film past said aperture; a film feeding wheel rotatable in said casing and having teeth engageable in the perforations of the film to feed the same past said aperture; driving means for intermittently rotating said feeding wheel from said first shaft so as to draw film from said first spool with a step-by-step motion; a train of gearing between said first shaft and the spindle for the windup spool; and manually operable means for rotating said first shaft.

2,628,527

DIRECT-READING PHOTOELECTRIC EXPOSURE METER

Jacob L. Rifkin, Sunnyside, N. Y.

Application March 6, 1951, Serial No. 214,073

4 Claims. (Cl. 88-23)



2. A direct-reading photo exposure meter, comprising a casing enclosing at one end a light sensitive unit including a milli-ammeter operatively connected to a pivotally mounted needle having a limited area of sweep within the other end of the casing, said needle being operatively connected to said unit and indicia disc rotatively mounted within the said other end of said casing beneath said needle, an indicia plate fixedly mounted within the said other end of said casing over said disc and beneath said needle, said in-

dicia disc having a concentric outer scale calibrated in F stop numbers and a concentric inner scale calibrated in shutter time numbers, said indicia plate having an arcuate edge concentric with the axis of rotation of said indicia disc beyond which said F stop number scale is exposed, said indicia plate having an arcuate slot concentric with the axis of rotation of said indicia disc within which said shutter time number scale is exposed, and a scale calibrated in numbers of film speed arranged concentrically on said indicia plate along an edge portion thereof defining said arcuate slot, said rotative mounting of said indicia disc comprising a knob mounted rotatively through the wall of said casing to the rear of said indicia disc and formed with a concentric threaded hole, a clamp plate concentrically overlying said indicia disc, and a screw passed through aligned concentric holes formed in said clamp plate and said indicia disc and threaded into the hole of said knob.

2,628,528

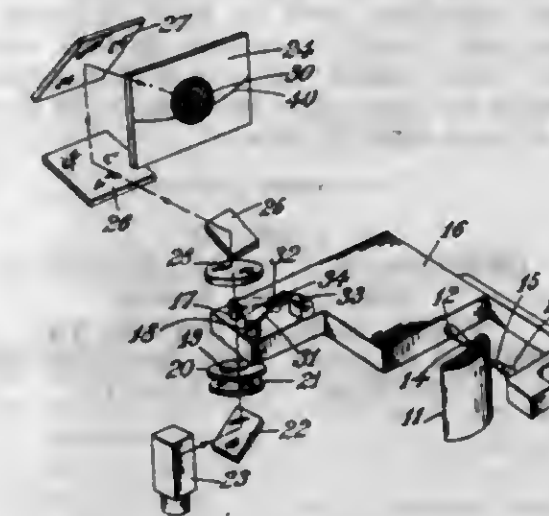
APPARATUS FOR OPTICALLY GAUGING PROFILES

Cornelius Frank Dietrich, Southall, and Harry John Smith, Slough, England, assignors to Optical Measuring Tools Limited, Slough, England, a British company

Application November 13, 1950, Serial No. 195,399

In Great Britain November 15, 1949

4 Claims. (Cl. 88-24)

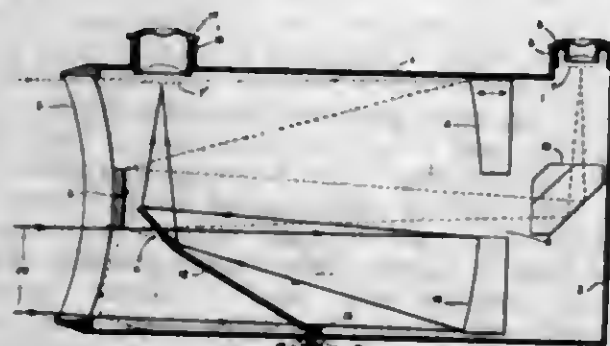


1. Apparatus for optically gauging profiles comprising in combination a feeler, a workpiece holder, means for effecting relative movement of the feeler and workpiece holder to traverse the feeler over a profile of a workpiece held in the holder, a master profile element bearing a master profile, a screen, optical projection lens for projecting an enlarged image of a part of the master profile upon the screen, the master profile element and projecting lens being mounted so as to be movable relatively to one another transversely of the lens axis, an operative connection from the means for effecting relative movement of the feeler and workpiece holder to effect a corresponding relative movement of the master profile element and projection lens, the magnification of the optical projection lens being such as when traverse of the feeler is effected will keep at a given spot on the screen the image of the part of the master profile which corresponds to the portion of the workpiece which the feeler is engaging and an index spot marked directly upon the screen in proper relation to the image of the master profile cast by the projection lens.

2,828,529

REFLECTING TELESCOPE WITH AUXILIARY OPTICAL SYSTEM

Lawrence E. Braymer, Lahaska, Pa.
Application September 25, 1948, Serial No. 51,134
11 Claims. (Cl. 88-32)

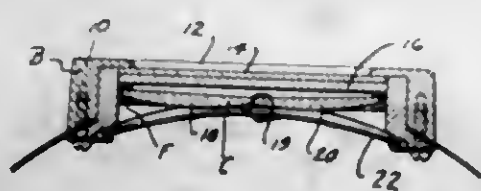


1. A telescope comprising a primary concave mirror, an achromatic meniscus lens complementary to said mirror and axially spaced therefrom along an axis common to said mirror and lens, a secondary mirror between said lens and primary mirror and having a curved face complementary to said primary mirror and forming with a part thereof an image-forming optical system, an ocular in operative relation to the image plane of said optical system, and an auxiliary reflector between said lens and primary mirror and having a reflecting surface facing said primary mirror and forming an oblique angle with the said common axis, said auxiliary reflector and another part of said primary mirror forming an image forming optical system of shorter focal length than said first system, and an ocular in operative relation with the image plane of said second system.

2,828,530

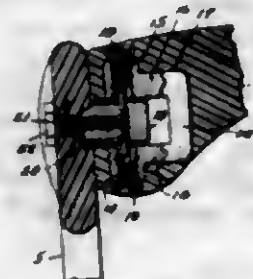
OPHTHALMIC LENS DEVICE IN WELDER'S HOOD

Ellis L. Rabben, Norfolk, Va.
Application August 3, 1949, Serial No. 108,337
1 Claim. (Cl. 88-41)



In a welder's helmet having a vision aperture with cover and filter glasses, a visual aid located in the aperture behind the cover and filter glasses, said visual aid comprising a flat, rectangular frame channeled on its inner edges, a pair of rectangular ophthalmic corrective lenses fitting within the channeled frame, with the innermost edges of the lenses abutting one another in a vertical central line, said lenses being angled to each other and to the frame with the abutting edges closer to the eyes than the distal edges such that the lenses are approximately perpendicular to the lines of sight drawn on the object, the angling and power of the corrective lenses being selected to give clear vision at the desired object distance in conjunction with the spectacle power which the user requires for normal vision.

2,828,531
EYEGGLASS HINGE CONSTRUCTION
James B. Wright, Philadelphia, Pa.
Application June 5, 1950, Serial No. 166,123
2 Claims. (Cl. 88-53)

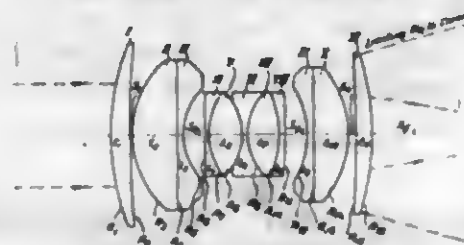


1. Eyeglasses comprising a frame, pivot blocks, screws extending horizontally through the frame and being threaded in the pivot blocks securing said pivot blocks to the frame, temple pieces having openings, U-shaped plates having threaded openings, disposed within the openings of the temple pieces and embedded in the material of which the temple pieces are formed, bearing members threaded within the threaded openings, pivot pins extending vertically through said pivot blocks, the ends of said pivot pins extending beyond the upper and lower surfaces of the pivot blocks and disposed in the bearing members, pivotally connecting the temple pieces to the frame, and said bearing members engaging the pivot blocks, securing the temple pieces in their positions of adjustment.

2,828,532

FIVE COMPONENT OBJECTIVE LENS FOR AERIAL PHOTOGRAPHY

James G. Baker, Winchester, Mass., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York
Application November 28, 1950, Serial No. 198,010
8 Claims. (Cl. 88-57)



Element	No.	Material	Radius	Thickness	Distance
1	1.00	1.50	10.00	0.10	0.00
2	1.00	1.50	10.00	0.10	0.00
3	1.00	1.50	10.00	0.10	0.00
4	1.00	1.50	10.00	0.10	0.00
5	1.00	1.50	10.00	0.10	0.00

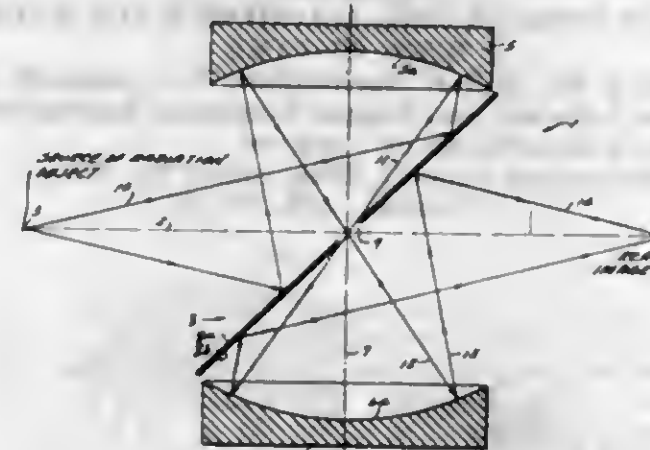
1. An object for photographic purposes corrected for spherical and chromatic aberrations, including oblique spherical aberration, coma, astigmatism, field curvature, and distortion and having greatly reduced secondary spectrum, which is made wholly of stable optical glasses and comprises a pair of outer components of net collective effect, each including a collective element of high index of refraction ranging from 1.80 to 1.65 and high dispersion corresponding to a v -value ranging from 27 to 34, a pair of components of net negative effect between the collective components, the negative components being of meniscus form and having their concave surfaces opposed, and an apochromatizing com-

ponent between the negative components and including at least three elements, the central one of which is negative, the apochromatizing component having a power, measured in terms of the overall power of the system taken as unity, ranging from 0.00 to -0.400.

2,828,533

IMAGE FORMING OPTICAL REFLECTING AND CONVERGING MIRROR DEVICE

Robert A. Oetjen, Columbus, Ohio, assignor to the United States of America as represented by the Secretary of the Air Force
Application October 17, 1951, Serial No. 251,859
5 Claims. (Cl. 88-57)



1. In an optical device for transmitting a beam of diverging rays emanating from a source of radiation at one point to form a real image of the source of radiation at a spaced point, said device having a major axis containing the radiation source and a minor axis intersecting the major axis perpendicular to the major axis, a plane reflector inclined across the major axis, having an opening therethrough at the point of intersection of the major and minor axes for passage of the emanating converging rays there-through, said plane reflector having parallel plane reflecting surfaces at its opposite sides, a pair of concave reflectors disposed on the minor axis at opposite sides of the inclined plane reflector, said concave reflectors having concave reflecting surfaces facing each other, one of said concave reflectors being disposed to receive a diverging beam of rays emanating from the radiation source toward the inclined reflector, to be reflected by the inclined reflector to one of the concave reflecting surfaces, and reflected by the concave reflecting surface to form a convergent beam of rays having an image point at the point of intersection of the major and minor axes, said other concave reflector being disposed to receive the beam of rays from the last mentioned point and reflect the expanding beam to provide a converging beam striking the opposite reflecting surface of the inclined plane reflector to be reflected thereby through a convergence point on the major axis to form a real image of the radiation source at the last mentioned convergence point.

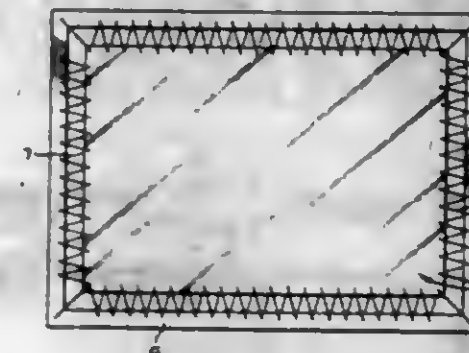
2,828,534

NEUTRAL DENSITY FILTER SCREEN

James A. Gibbons, North Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., Burbank, Calif., a corporation of Delaware
Application April 3, 1951, Serial No. 218,968
4 Claims. (Cl. 88-109)

3. A light filter screen comprising a base made up of separately applied layers of a cellulose base,

said base being homogeneous and containing a mixture of substantially seventy-seven percent of blue oil dye having a colour index of 1075, four percent of yellow oil dye having a colour index of

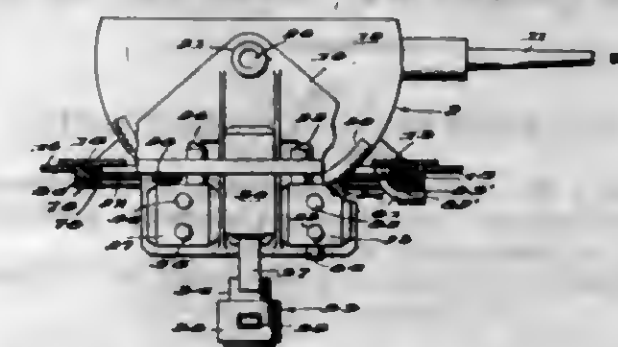


61, and nineteen percent of red oil dye having a colour index of 258, all of said dyes being dissolved in a solvent, the amount of said mixture in said base controlling the amount of light absorption by said screen.

2,828,535

GUN CONTROL SYSTEM

David D. Terwilliger, Baltimore, Harry Masur, Baltimore County, and Lester L. Jackson, Jr., Towson, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application November 15, 1949, Serial No. 127,382
14 Claims. (Cl. 89-41)



8. A gun control system for a gun mounted for pivotal movement about perpendicularly related axes, power means for swinging said gun about said axes, control means normally controlling said power means for pointing said gun in any desired direction about said axes, means responsive to the position of said gun about a first of said axes for producing an output voltage substantially proportional to a desired clearance angle of said gun about the second of said axes, means responsive to the angular position of said gun about said second axis for producing an output voltage substantially proportional to the angular position of the gun about said second axis, and interrupter means responsive to said output voltages for rendering said normal control means ineffective to control movement of said gun about said second axis whenever a predetermined one of said output voltages exceeds the other.

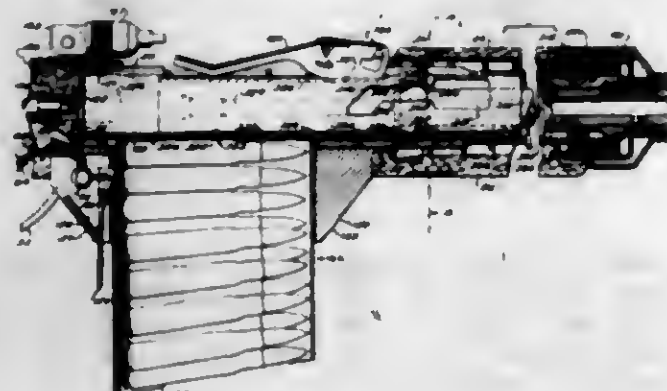
2,828,536

GAS-OPERATED AUTOMATIC FIREARM WITH FORWARDLY MOVING BARREL

Willbur A. Schalch, Springfield, Mass.
Application October 10, 1945, Serial No. 621,647
45 Claims. (Cl. 89-159)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In an automatic firearm, a hollow tubular receiver, a breech member secured to the rear portion of said receiver, a barrel slidably sup-

ported in said receiver for forward movement relative to said breech member, means for locking said barrel to said receiver in the battery position of said barrel, means responsive to the gas pressure generated in said barrel by the discharge of a cartridge therein for unlocking said locking means to release said barrel from said receiver, said barrel having a gas port therein adjacent

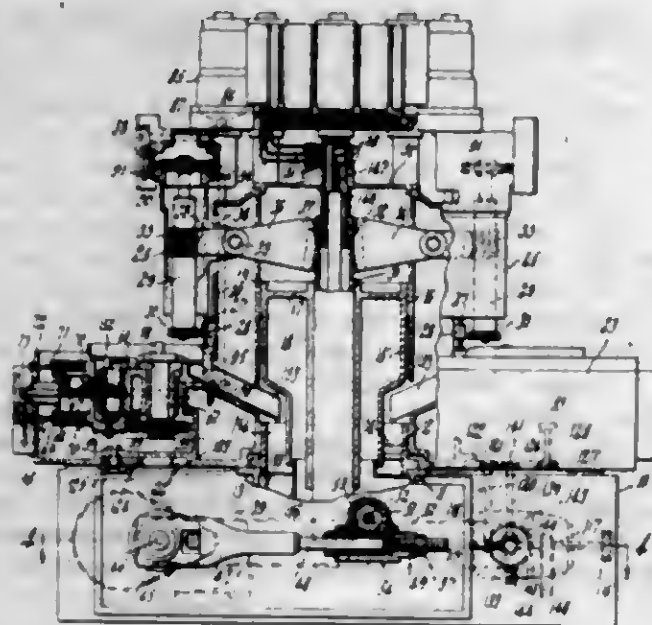


the forward end of said receiver, an annular gas cylinder member mounted for forward movement relative to said receiver and cooperating with said receiver to define a gas cylinder chamber communicating with said gas port, whereby said gas cylinder member is driven forwardly by the gas pressure, and means for connecting said annular member to said barrel whereby said barrel is moved forwardly after the unlocking thereof.

2,628,537

MULTIPLE SPINDLE GEAR SHAPING MACHINE

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application July 27, 1946, Serial No. 686,603
19 Claims. (Cl. 90-7.5)



1. A multiple spindle shaping machine comprising a base, a turret mounted to rotate on said base, means for rotating said turret, a plurality of shaping units mounted on the turret, each unit comprising a rotatable cutter spindle and a rotatable work spindle, one of said spindles being reciprocable endwise, means associated with each of said units and independent of the other units for rotating the spindles thereof simultaneously at a prescribed speed ratio, and common

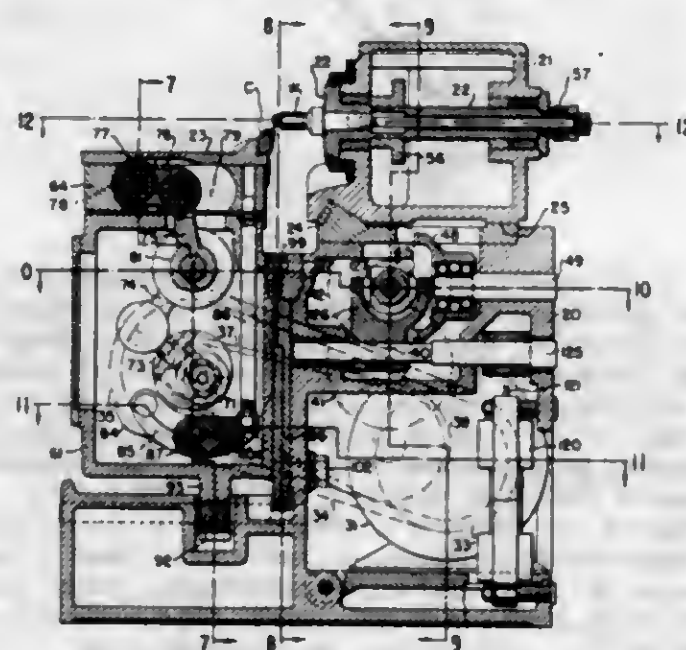
means for reciprocating in unison the reciprocable spindles of all the units.

5. A multiple machine tool for performing cutting operations comprising a base, a turret mounted rotatably on said base, a plurality of cutter holding and work holding elements mounted on the turret in cooperative relation to constitute units for transforming blank work pieces into finished articles, means associated with each of said units for receiving the chips produced by cutting action, and a common receptacle for chips coaxial with the turret, said receiving means being disposed to discharge the chips received thereby into said receptacle.

2,628,538

GEAR GENERATING MACHINE WITH RACK TYPE CUTTER

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application June 21, 1946, Serial No. 678,477
17 Claims. (Cl. 90-8)



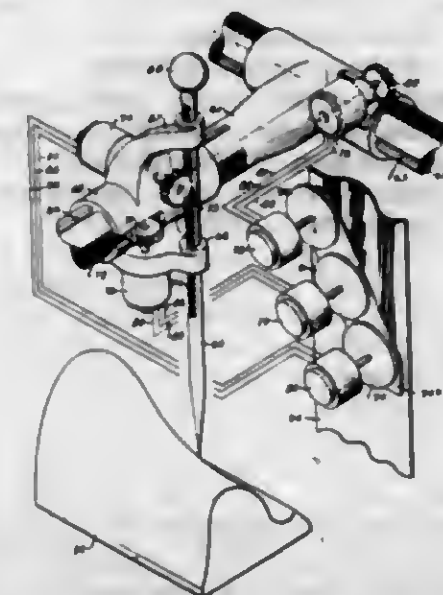
2. In a machine of the character and for the purpose set forth, the combination of a supporting structure, a carriage mounted for linear movement on said supporting structure, a work spindle fixed against any transverse movement relative to said carriage and a former mounted on said carriage in stationary locations thereon to rotate about parallel axes, means for rotating the spindle, gearing between said spindle and former arranged to transmit rotation from the spindle to the former having a ratio which allows rotation of the spindle through a larger angle than the angle of rotation of the former, and an abutment on the supporting structure in a relation to the former like that of a rack tooth to a mating gear tooth for correlating the angular movement of the spindle to that of the carriage.

10. In a machine of the character described, a supporting structure, a work supporting carriage mounted on said supporting structure, an adjustable slide connected with said supporting structure, a cutter of rack form mounted on said slide in cutting position with respect to said work carriage, a guide bar mounted on the supporting structure engaged with the slide for controlling its path of adjustment, and means for adjusting the guide bar angularly on the supporting structure so as to properly align said cutter with a work piece held on said work support.

2,628,539

METHOD AND MEANS FOR RECORDING AND REPRODUCING DISPLACEMENTS

Leif Eric de Neergaard, Manhasset, N. Y.
Application January 4, 1945, Serial No. 571,338
31 Claims. (Cl. 90-13.5)



1. A method for controlling the rate and direction of movement and the position from instant to instant of a device which comprises the steps of representing a coordinate of desired movement by a plurality of parallel traces on a control record, displacing the traces with respect to the direction of movement of the control record in a direction related to the desired movement of the device, sensing the direction of displacement of the traces and actuating a controlling mechanism for the device in response to the direction of displacement sensed.

19. In combination with a work performing assembly, a record and means for moving it along a defined path, the record having a plurality of similar and generally parallel flux varying traces extending along the path of movement of the record but being at least in part divergent from the path of movement of the record, a sensing assembly opposed to the record and in flux transmitting relation therewith, means for moving said sensing assembly transversely of the record in response to variations of flux from a predetermined datum, and an actuating connection between the sensing assembly and the work performing assembly.

25. A record for use in systems of control responsive to displacement laterally of traces extending along such records, which includes a record body having a defined edge and a plurality of parallel traces, said traces having portions parallel with such edge and portions diverging from parallelism with said edge, and which, if continued far enough, intersect said edge.

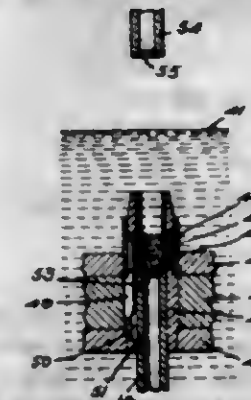
2,628,540

PULP MOLDING MACHINE AND PROCESS

Walter H. Randall, Waterville, Maine, assignor to Keyes Fibre Company, Portland, Maine, a corporation of Maine
Application February 26, 1946, Serial No. 650,292
5 Claims. (Cl. 92-58)

1. In a machine for making molded pulp shot gun shell wads of cylindrical shape, in combination, a vertically disposed hollow cylinder arranged to form the side walls of a die cavity, a piston reciprocable vertically within said cylinder and having a head arranged to form the bottom of the die cavity, said head being perforated, said cylinder being perforated at the pulp-

depositing portion thereof adjacent to the piston head forming the bottom of the die cavity, external suction-applying conduits connecting both the outside of the cylinder perforations and the lower side of the piston perforations to a suction pump for simultaneously applying suction to the perforations in said cylinder and said piston during the molding operation to mat the pulp fibres together in continuous cup-shaped form along the bottom and upwardly along the sides of the die cavity, an additional piston arranged to move downwardly into said die cavity to curl

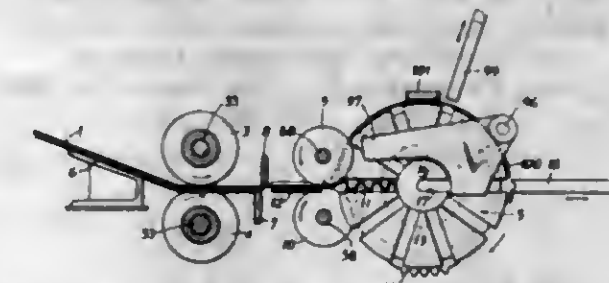


over the cup-shaped pulp mass and provide vertical pressure between the bottom-forming piston and the upper piston to press the pulp into cylindrical shape, and operating mechanism connected to control the application of suction and to control the lowering of the piston, said mechanism being synchronized to hold the piston elevated above the die cavity when the suction application is initiated, and to lower the piston after the suction application has caused cup formation of the pulp fibers, said bottom-forming piston being movable vertically out of said die cavity to unload the cylindrical wad.

2,628,541

MACHINE FOR MAKING FILTER AND LIKE TIPS FOR CIGARETTES

Hedwig Gamble, Ponders End, England
Application November 8, 1950, Serial No. 194,618
In Great Britain November 10, 1949
6 Claims. (Cl. 93-1)

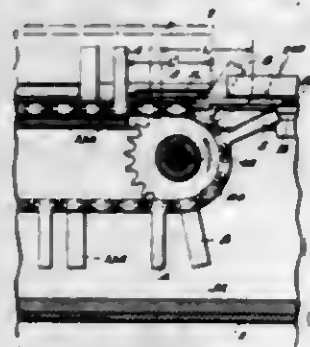


1. A machine for making filter stubs comprising a drum, means supporting the same for rotation on its long axis, the drum having a plurality of longitudinally extending slots opening radially outwardly through its periphery and closed at their inner ends, means for imparting intermittent rotation to the drum, means for feeding stub forming material into a slot radially of the drum when the drum is in one stationary position, a reciprocable presser element positioned to move radially of the drum to enter the material carrying slot when the drum has been turned to locate said slot in a second position whereby to compress the material in the inner end of the slot, actuating means for said presser element, and a reciprocable pusher positioned to enter the slot at the inner end thereof and along a path parallel to the drum axis to eject the compressed stub forming material from the slot.

2,628,542

ADJUSTABLE CONVEYER FOR CARTONING MACHINES

Alexander H. Ross, Lakeside Park, Ky., assignor, by mesne assignments, to Emhart Manufacturing Company, a corporation of Delaware
Application September 17, 1945, Serial No. 616,723
4 Claims. (Cl. 93-49)

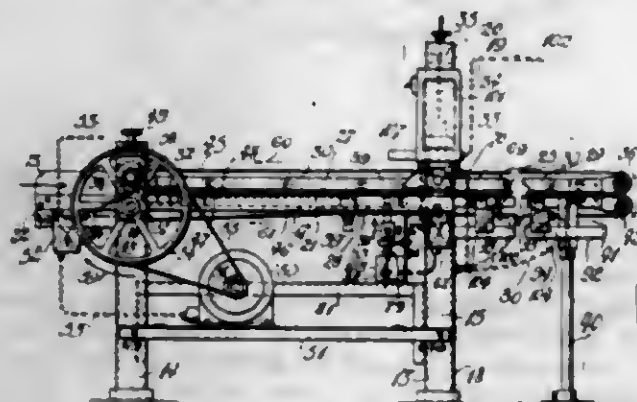


1. Means for erecting a carton from a flat folded condition, comprising a plurality of continuous belts, means for driving the belts at a constant speed, means for guiding the belts from a curved path to a linear path, first and second sets of fingers carried by separate ones of said belts in fixed relation thereto and adapted respectively for engaging the opposite longitudinal edges of a carton disposed between said fingers, the fingers of one set being longitudinally spaced apart from those of the other a distance corresponding to the width of the carton when it is fully erected and less than the width of the carton in its flat folded condition, means for introducing a flat folded carton between the fingers as they move from the curved path into the linear path, whereby the distance between the fingers gradually decreases as they move into the linear path and they cooperatively squeeze the carton therebetween to unfold it to an erected condition, and means for relatively shifting said separate ones of said belts to adapt the longitudinal spacing between said fingers to accommodate cartons of various sizes.

2,628,543

BOX-BLANK CUTTING ASSEMBLY

Daniel Bartlette and Edward C. Lowe,
St. Boniface, Manitoba, Canada
Application December 11, 1950, Serial No. 200,192
7 Claims. (Cl. 93-58)



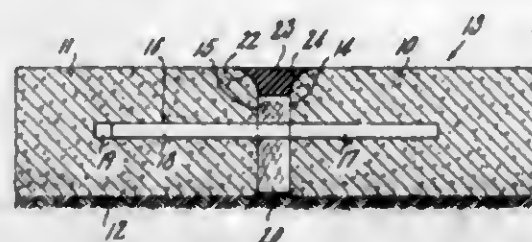
1. An assembly for the cutting of box-blanks of cardboard and the like, comprising in combination a supporting framework, a feed table spanning said framework, a box-blank conveyor mounted upon said framework, a pair of blank-edge cutting devices associated with said conveyor, a source of power for said conveyor and said cutting devices, lifting means spanning said conveyor to lift intermittently selected edges of said box-blank, means actuated by said box-

blank for controlling the movement of said lifting means, said cutting devices including a cross shaft connected to said source of power, and means to maintain clear of said cutting devices the edges of said box-blank lifted by said lifting means.

2,628,544

EXPANSION JOINT

Herman C. Miller, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 19, 1951, Serial No. 247,379
14 Claims. (Cl. 94-18)



1. In a paving construction, the combination of a pair of adjacent paving sections, and a joint sealing composition between said sections comprising a major proportion by weight of coal tar pitch, 10% to 20% by weight of a synthetic rubber copolymer of a major proportion of butadiene-1,3 and a minor proportion of acrylonitrile, and 1% to 10% by weight of carbon black added as such.

2,628,545

FILM MAGAZINE

Abraham Kurnick and Louis Brownstein, New York, N. Y., assignors to Finkurn Enterprises, Inc., New York, N. Y., a corporation of New York
Application February 11, 1950, Serial No. 143,772
19 Claims. (Cl. 95-19)

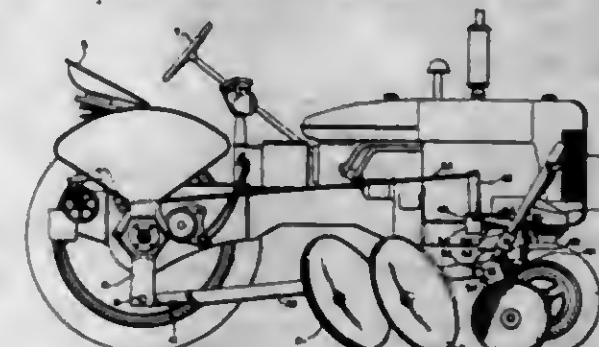


1. In a film magazine of the class described for use with a film packet having a body portion containing an outer envelope with marginal edge

2,628,547

TRACTOR MOUNTED DISK PLOW

Levi C. Hester, Jacksonville, Fla.; Elythel J. Richardson, executrix of said Levi C. Hester, deceased, assignor to Hester Plow Co., Inc., Jacksonville, Fla., a corporation of Florida
Application November 22, 1949, Serial No. 128,794
3 Claims. (Cl. 97-47)

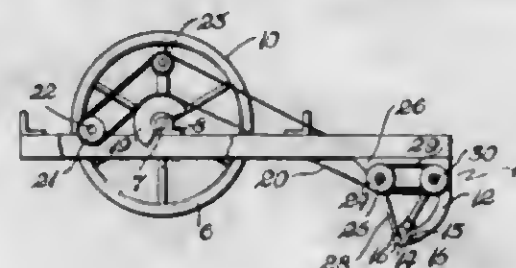


portions presenting a front exposure opening, a cut film and in front thereof a light-proof packet slide overlapped by said marginal edge portions, the slide having an extension beyond the body portion, the combination of a casing with an open front, a cover over the front of the casing and having a front exposure window positioned for registry with said exposure opening of the packet when operatively disposed within the magazine, a film pressure pad within the casing and spring-urged toward the front thereof, adjacent portions of the casing and cover being spaced to provide an entrance aperture for said packet, packet guiding means spaced from said entrance aperture and disposed along a path forwardly of said pad, whereby upon an operative insertion of the packet through said aperture it will slidably engage said guiding means for positioning forwardly of the pad, a stripper member movably mounted within the casing adjacent said entrance aperture and having an arresting edge, said stripper member being yieldably urged toward the front of the casing for slidable engagement with the packet as it is being operatively inserted through the said entrance aperture, said arresting edge being positioned between the entrance aperture and the nearest edge of the body portion of the packet when completely inserted within the casing, whereby said arresting edge will be operatively engageable with said nearest edge to hold the body portion of the packet against withdrawal upon an operative withdrawal of the packet slide through said aperture.

2,628,546

BOD WEEDE

Thomas E. Kempling, Drumheller, Alberta, Canada
Application November 7, 1949, Serial No. 125,979
In Canada November 15, 1948
1 Claim. (Cl. 97-42)



A cultivator characterized by the combination with an elongated and slender undersurface member for elevating a topsoil layer during its passage through the ground, of another member also of elongated and slender proportions situated in parallel relationship to the first herein mentioned member, and with at least the superior surface area thereof lying in a horizontal stratum of space above that occupied by the superior surface area of the first mentioned member, and to the rear of said first mentioned member, said members being located in such propinquity that they both treat the undersurface of a topsoil wave created by the implement before the disintegration of the soil at the underside portion of said wave and before the mass-cohesion of the soil at said underside portion thereof has disintegrated so that it does not fall between said members, and means for effecting the rotation of said members so that the superior surfaces thereof move rearwardly when the weeder is in a state of forward motion.

2,628,548

DRAG CONTROLLED MEANS FOR RAISING THE BLADES OF GANG TYPE DISK PLOWS

Paul A. Ramsey, Altoona, Kans.
Application January 29, 1952, Serial No. 268,731
1 Claim. (Cl. 97-53)



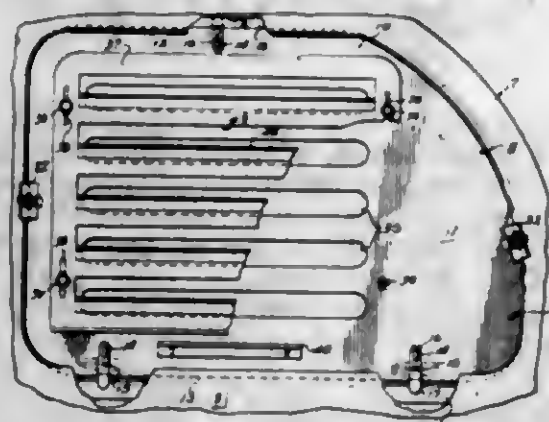
A device of the character described comprising a frame, supporting wheel for said frame, a torque shaft hinged to said frame, supporting arms extending rearwardly from said torque shaft, a plow shaft carried by the rear ends of said supporting arms, a plurality of plow discs mounted in spaced relation on said plow shaft, and yieldable means for moving said torque shaft whereby to move said discs upwardly, said means including an upwardly extending vertical arm affixed to said torque shaft, a hitch member, an upwardly extending vertical arm affixed to said hitch member, a link interconnecting said vertical arms, and a yieldable member interconnecting said

frame and said hitch member, said yieldable member comprising a cylinder affixed to said frame, a head mounted at the rear end of said hitch member and slidable in said cylinder, said cylinder having closed ends through one of which said hitch member is slidable, and a compression spring surrounding said hitch member within said cylinder and bearing against said head at one end and at its other end against that closed end of the cylinder through which said hitch member extends.

2,628,549

VENTILATOR AND SUN SHIELD

Raymond C. Stelmach, Harvey, Ill.

Application December 10, 1948, Serial No. 64,665
4 Claims. (Cl. 98-2)

1. A ventilating and shielding device for mounting in the window opening of a vehicle window frame having a window glass comprising a main plate shaped to conform to said window opening and adapted to be positioned within said window frame in parallel spaced relation with respect to said window glass, there being a plurality of longitudinally extending slots arranged in aligned parallel spaced relation in said plate, said slots extending inwardly from a point adjacent one end of said plate and terminating at a point spaced from the other end of said plate, a shutter plate positioned in face to face relation with respect to said plate and connected to said main plate for vertical up and down movement, said shutter plate being provided with a plurality of longitudinally extending slots arranged in aligned parallel spaced relation, the slots of said shutter plate being registrable with the slots in said main plate upon down movement of said shutter plate, an upstanding louver arranged at an angle with respect to said shutter plate adjacent each of its slots and having the lower end secured to the lower longitudinal side edge of said adjacent slot, and a plurality of fasteners arranged in spaced relation along the boundary of said main plate and facing the same face which said shutter plate faces and each pivotally connected intermediate its ends to said main plate for movement about an axis transverse of said main plate, each fastener having means on one end embracingly engaging the adjacent portion of said window frame and having means on the other end bearing against the facing face of said main plate.

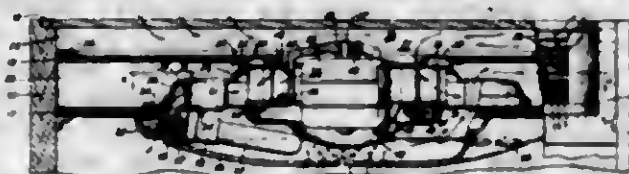
2,628,550

VENTILATOR FOR TELEPHONE BOOTHS

John H. King, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 16, 1948, Serial No. 21,530
4 Claims. (Cl. 98-33)

1. The combination of a booth and a ventilator therefor comprising a plurality of walls, a cell-

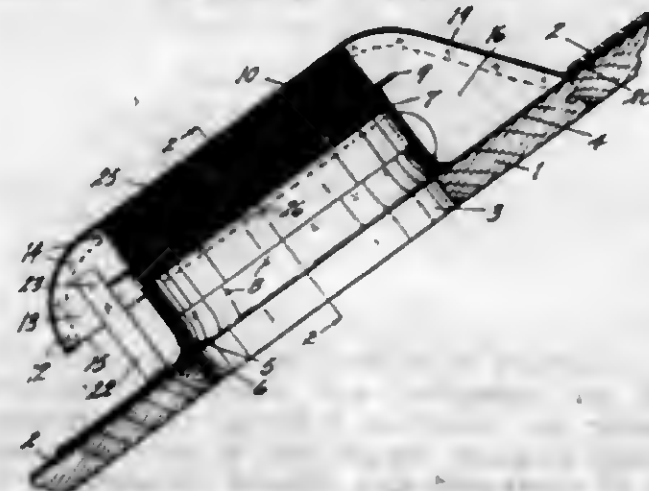
ing and a roof affixed to said walls, a partition disposed intermediate said roof and said ceiling and extending to said walls thereby forming an upper and lower compartment, one of said walls having an aperture intermediate said roof and said partition, one of said walls having a second aperture intermediate said partition and said ceiling, said partition and said ceiling each having an aperture, a ventilator casing extending from the aperture in said ceiling through the aperture in said partition, a mounting plate supported from said casing with its periphery and major surfaces in spaced relationship to said casing and in a plane parallel to said ceiling, said casing and said plate defining a first air duct ex-



tending from the partition aperture through the ceiling aperture, said casing and said plate each having a plurality of apertures, a plurality of hollow members secured to said casing and plate and each registering with one of each of said casing and plate apertures to define a duct from the under surface of said plate through said casing to said lower compartment, an impeller situated in said first duct and arranged to force air into said booth, a motor for said impeller mounted on the upper surface of said mounting plate and having its armature shaft perpendicular to said plate, and means carried by said shaft to rotatably support said impeller concentric with said motor and in a plane parallel to said mounting plate.

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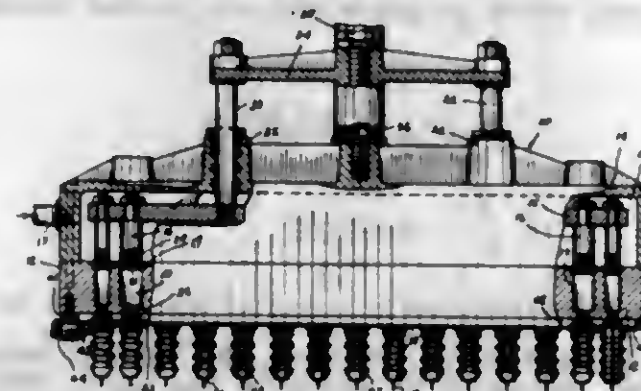
ROOF VENTILATOR

Robert L. Leigh, Coopersville, Mich., assignor to Air Control Products, Inc., Coopersville, Mich.
Application July 24, 1950, Serial No. 175,548
14 Claims. (Cl. 98-42)

14. A roof ventilator comprising a flat plate-like base member constituting a flashing and having a vent opening spaced from its edges and an integral upwardly projecting flange surrounding the opening, a baffle member closely embracing and secured to said flange and provided at its upper end with an annular outturned deflector rim, and a hood overhanging said baffle member with its top vertically spaced therefrom and having depending front, rear and side walls laterally spaced from said baffle member with their lower edges in a plane below said rim, the front and side walls being vertically spaced from said base member providing front, rear and side openings between the base member and said front and side walls for the direct circulation of air therethrough and around said baffle member.

2,628,552

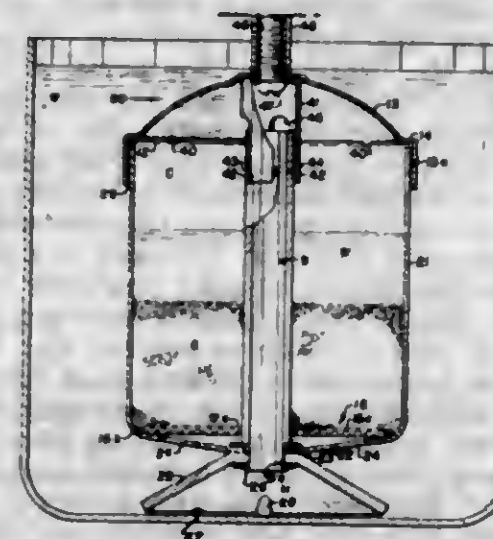
MEAT CURING DEVICE

Thomas A. D. Jones and Cornelius E. Kilby, Indianapolis, Ind., assignors to Kingan & Co., Incorporated, Indianapolis, Ind., a corporation
Application December 8, 1951, Serial No. 260,716
4 Claims. (Cl. 99-257)

1. In an apparatus of the character described, in combination, a curing liquid pump apparatus, including a hollow needle having discharge apertures in its side wall at spaced intervals along its length and adapted to penetratingly enter the meat to be cured; means for forcing the curing liquid through said needle after penetration, and a flexible tubular closure member sealingly engaging the end of the needle beyond the discharge aperture nearest the point of said needle and having a discharge opening at its top; said flexible tubular member being collapsible with the penetration of the needle into the meat to be cured.

2,628,553

BEVERAGE MAKER

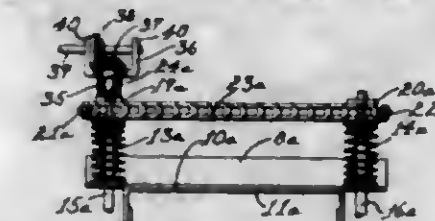
Thomas L. Titus, Cheyenne, Wyo.
Application March 9, 1950, Serial No. 148,592
4 Claims. (Cl. 99-300)

1. In combination with an outer larger open type vessel of liquid, a pressure beverage maker inserted into and resting on the floor of said vessel having heat applied to said floor, comprising a non-porous unitary member having a top, side wall and bottom component parts, said bottom having an opening and a conically defined heater chamber below the opening, tube means extending the opening upwardly within the maker to a point adjacent its top, dwarf leg means associated with the bottom for spacedly holding the heater chamber off the floor of the vessel, an extract port formed in the outer surface of the maker adjacent its lower portion and above the heater chamber, an annular pressure exhaust escape port adjacent the top of the side wall and

being restricted in over-all escape area in proportion to the horizontal cross-sectional area of the tube means, the combined areas of said ports being larger than said tube means cross-sectional area, porous filter and beverage material holder means associated with the bottom portion and positioned within the maker below said annular port and above said extract port, one of said top, side wall and bottom parts being frictionally and removably joined together with relation to another thereof, and means for effecting such juncture.

2,628,554

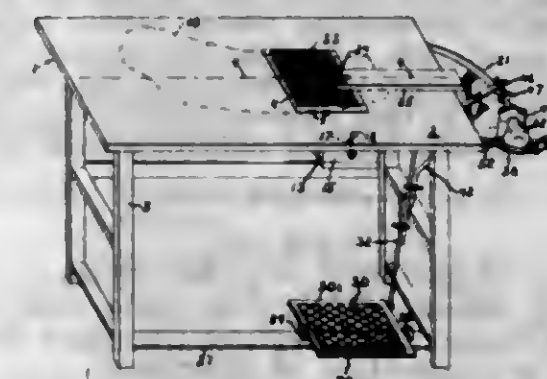
BALER TENSION ADJUSTING MECHANISM

Herbert J. Phillips, Jr., Kaneville, Ill.
Application October 23, 1947, Serial No. 781,555
3 Claims. (Cl. 100-100)

3. In a baler, a baling chamber including opposed walls adapted to be compressed to retard the passage of baled material therethrough, a pair of spaced tension rods cooperating with the opposed walls to press the same toward each other, compression springs assembled on the rods and adapted to be compressed more or less to vary the compression of said chamber, said rods being threaded at one end, nuts adjustably threaded thereon, chain and sprocket type means interconnecting said nuts to turn together, a bevel gear fixed to and arranged to turn one of said nuts, a second bevel gear meshing with the first bevel gear on a one to one ratio, and a shaft for turning said second bevel gear disposed in transverse relation to said tension rods and having a manually operable crank connected with its remote end for turning the same to turn the nuts in either direction.

2,628,555

MACHINE FOR MARKING A PATTERN ON CLOTH

Charles Mishkin, Brooklyn, N. Y.
Application June 2, 1952, Serial No. 281,359
11 Claims. (Cl. 101-126)

1. A machine for marking a pattern on cloth having the combination of a work table for spreading the cloth thereupon, a plate having slottings denoting the pattern to be marked on said cloth, said table having an opening for receiving said plate in a position underlying said spread cloth, an open container for marking powder being located underneath said table in a position for closure thereof by said plate when in said opening, a grating placeable upon said spread

cloth in registry with said plate, and means for forcing compressed air into said container for therein agitating said powder, whereby said air will be forced through said slotting, cloth, and grating, and cause said powder to imprint the pattern on said cloth.

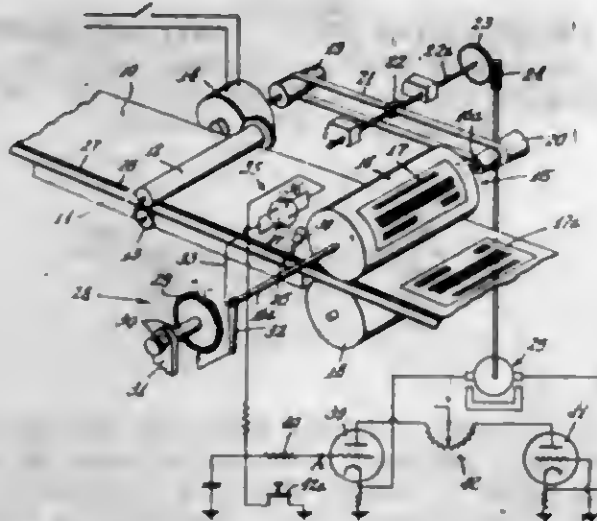
2,628,558

REGISTERING DEVICE

James P. Fay, Norwalk, Conn.

Application September 7, 1950, Serial No. 183,649

12 Claims. (Cl. 101-248)



1. In a web processing machine provided with a web processing unit having movable web processing means, and means for feeding a web having register control means thereon to said web processing unit; the combination of means for adjusting and maintaining the web processing means in predetermined relation to the web and the register control means thereon, including position adjusting means for altering the relative position of the web processing means with respect to the web and an electrical control circuit for said position adjusting means comprising a resistor having a predetermined voltage applied thereto and a wiping contact movable thereover in response to movement of the web processing means to produce a predetermined voltage on the contact in accordance with the position of the web processing means; sensing means located in predetermined relation to the web processing means and having means for controlling the conductivity of said circuit upon sensing the presence of the register control means; and means controlled by the voltage on the wiping contact at the time the sensing means senses a register control means for actuating the position adjusting means to correct or maintain the web processing means in said predetermined relation with the web and the register control means thereon.

2,628,557

PRINTING MECHANISM

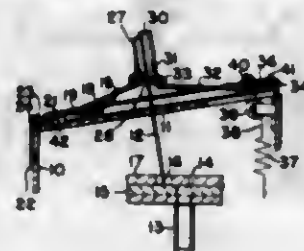
Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 14, 1950, Serial No. 173,760

6 Claims. (Cl. 101-298)

6. In a device of the class described for printing on record material, a pivoted member, a printing member on the pivoted member, a printing platen normally disposed at an obtuse angle in respect to the pivoted member, a flange on said platen formed at an obtuse angle with respect to the operating face of the printing platen, a stop on the flange, a finger piece pivotally mounted on the pivoted member, a resilient means to nor-

mally maintain the finger piece in contact with the stop, said stop being of a length to space the finger piece from the flange a distance sufficient to provide a slot through which record material is fed, means to support the record material in said slot, means to connect the pivoted member to the printing member, and a stationary guide to guide one end of the platen



when the platen is operated, said platen being operated manually by grasping the finger piece and the record material and rocking the pivoted member around its pivot and through the means to connect the pivoted member to the printing platen operating the latter, said guide causing the printing platen to move into parallel relationship with the printing element to effect an impression on the record material.

2,628,558

REGISTERING DEVICE FOR PRINTING PRESSES

Israel Levin, Chicago, Ill.

Application October 10, 1949, Serial No. 120,526

1 Claim. (Cl. 101-413)



In a registering device for a printing press including a guide strap, a quad of one-piece formation operatively associated with said strap, said quad having foot and leg portions disposed directly upon the tympan of the press, an inclined wing portion connecting said leg and said foot, a body portion formed by extension of said foot, said body portion including upwardly bent lateral ribs and a central depressed rib spaced therefrom, with openings provided therebetween, a lip terminating said ribs and disposed in a plane intermediate the planes of said upwardly bent and depressed ribs, a slot disposed between said depressed rib and said lip, a second slot disposed between said depressed rib and said foot, and a third slot disposed between said leg and said wing portion, said guide strap extending through said quad through the openings between said upwardly bent and depressed ribs, and a tongue extending through said slots and beneath said strap and extending beyond said leg and lip.

2,628,559

EXPLOSIVE DRILL

Raymond Jasse, Paris, France, assignor to Societe dite: Centre d'Etudes, M. B. A., Paris, France

Application February 12, 1946, Serial No. 647,069

In France February 6, 1945

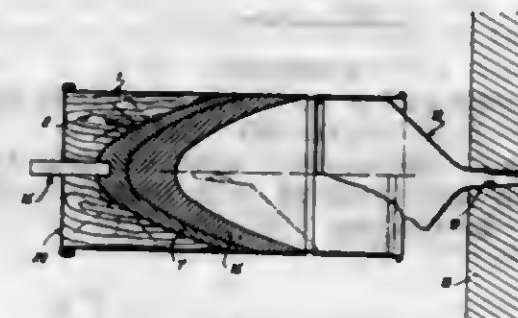
Section 1, Public Law 690, August 8, 1946

Patent expires February 6, 1965

2 Claims. (Cl. 102-24)

1. In an explosive drill having an outer casing having a base portion closing one end thereof whilst the other end is open and free and a drill hollow charge in said casing adjacent said base portion, means for securing said drill to the

structure to be drilled comprising a sleeve engaging the free open end of the casing, a substantially funnel-shaped member attached to the



outer end of said sleeve, said member terminating in a tube adapted to enter a hole of small diameter in the structure to support the drill on the structure.

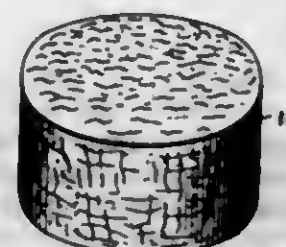
2,628,560

MOLDED PULP WAD

Walter H. Randall, Waterville, Maine, assignor to Keyes Fibre Company, Portland, Maine, a corporation of Maine

Application January 26, 1952, Serial No. 268,431

2 Claims. (Cl. 102-95)



1. A cylindrical wad of molded fibrous cellulosic pulp having its pulp fibers oriented as interfelted successively accreted generally cup shaped layers extending as laminations along the entire bottom and side wall of said wad, said laminations being folded in and interlocked at the top, the top and bottom faces of the wad being substantially flat and parallel, and at least half of the pulp fibers are chemical pulp fibers.

2,628,561

PROPELLANT POWDER GRAIN FOR ROCKET MOTORS

Bruce H. Sage and William N. Lacey, Altadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy

Application March 17, 1943, Serial No. 479,538

3 Claims. (Cl. 102-98)



1. A propellant for rocket motors, which comprises a generally cylindrical powder grain of ballistite having an axial passage and radial openings extending through the grain from said passage and each having a diameter equal to substantially one half the web thickness of the grain, the openings being spaced along the length of the grain and each opening being spaced from the adjacent opening a distance equal substantially to twice the diameter of said passage.

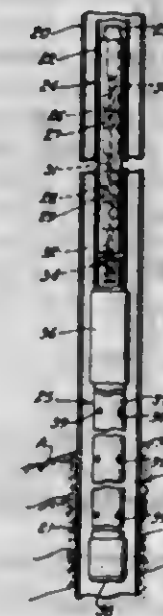
2,628,562

FLUID-OPERATED PUMP WITH TANDEM BOOSTER PUMPS

Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio, a corporation of Ohio

Application August 30, 1948, Serial No. 46,776

14 Claims. (Cl. 103-5)



1. In a fluid-operated pumping device, the combination of: a primary fluid-operated pump of the reciprocating type adapted to be disposed in a well to pump well fluid to the surface of the ground, including an inlet port; auxiliary pumping means secured relative to said pump and including an intake port adapted to communicate with the well fluid in the well, and having a discharge port, said auxiliary pumping means including an auxiliary fluid-operated pump of the reciprocating type; means providing a closed, pressure-maintaining passage communicating only with said inlet and discharge ports so as to maintain the fluid pressure in said inlet port substantially equal to that in said discharge port; and means for actuating said auxiliary fluid-operated pump so as to pump well fluid from the well into said inlet port at a fluid pressure higher than that in said intake port.

2,628,563

FLUID-OPERATED PUMP WITH DOUBLE-ACTING DIRECT-CONNECTED BOOSTER PUMP

Clarence J. Coberly, Pasadena, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio, a corporation of Ohio

Application February 21, 1949, Serial No. 77,588

9 Claims. (Cl. 103-5)

1. In a fluid-operated pumping device, the combination of: a fluid-operated main pump of the reciprocating type adapted to be positioned in a well and to pump well fluid from the well to the surface, said main pump being provided with an inlet port; a double-acting auxiliary pump of the reciprocating type provided with intake port means which is adapted to communicate with the well and provided with discharge port means; means providing a closed, pressure-maintaining passage communicating only with said inlet port and said discharge port means so as to maintain fluid pressure in said inlet port substantially equal to that in said discharge port means; and means mechanically connecting said auxiliary pump to said main

pump for operating said auxiliary pump so as to pump well fluid from the well to said inlet

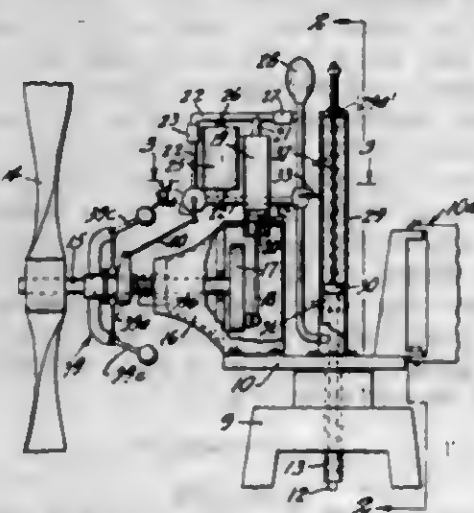


port at a pressure higher than that in said intake port means.

2,628,564

HYDRAULIC SYSTEM FOR TRANSFERRING ROTARY MOTION TO RECIPROCATING MOTION

Charles R. Jacobs, Del Paso Heights, Calif.
Application December 1, 1949, Serial No. 130,488
3 Claims. (Cl. 103-35)



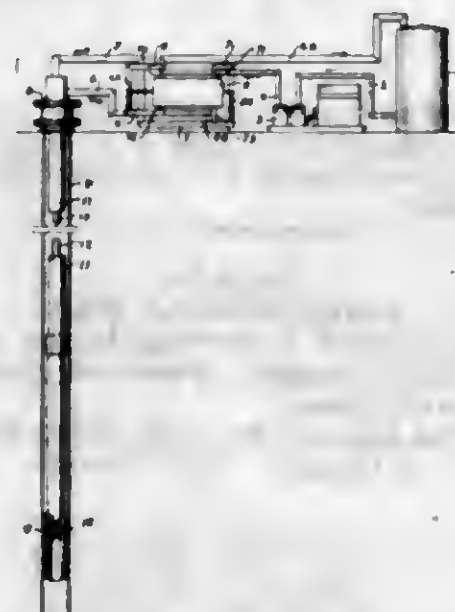
1. A hydraulically actuated liquid pumping system solely responsive for operation to the force of the wind, said system comprising a supporting structure, a propeller journaled for rotation on said supporting structure and responsive solely to the force of the wind for said rotation, a hydraulic pump actuating system connected with said propeller to be driven thereby and including a fluid pump mechanism connected with said propeller, a fluid reservoir connected with said pump for supplying fluid thereto, a governor controlled valve member constructed to be shifted into a plurality of positions and controlling the flow of fluid pumped by each stroke of said fluid pump mechanism, a centrifugally operated mechanism connected with said propeller and responsive for operation to the speed of rotation thereof and connected with said valve to vary the position thereof with variations in the speed of rotation whereby said valve will be partially closed at extremely slow speeds to reduce resistance to pumping action in said pumping mechanism,

said valve being shifted to wide open position for moderate speeds of rotation and being shifted toward closed position to restrict the flow of fluid at extremely high speeds.

2,628,565

FLUID OPERATED RECIPROCATING PUMP FOR DRILLED WELLS

William C. Richardson, near Electra, Tex.
Application September 12, 1946, Serial No. 696,483
10 Claims. (Cl. 103-46)



1. In a reciprocating pump for wells, the combination of a pump barrel and power cylinders connected in axial alignment, said pump barrel and said power cylinders each having a piston operatively mounted therein, a tubular piston rod interconnecting the respective pistons in axial alignment and extending into said pump barrel and into said power cylinders in telescoping relation, an inlet and an outlet formed in said pump barrel and in each of said power cylinders, a check valve within said tubular piston rod to allow hydraulic fluid to flow in one direction therethrough and to restrain the flow of hydraulic fluid in the opposite direction, a valve timing mechanism connected in fluid pressure relation with the power cylinders for fluid actuation and for directing hydraulic fluid alternately to the opposite power sides of said pistons in said power cylinders for longitudinal movement of said pistons within said respective power cylinders so as to reciprocate said pump piston in said pump barrel, a hole formed in said tubular piston rod intermediate said pump piston and said check valve for escape of a portion of said hydraulic fluid being pumped by said piston in said pump barrel into said tubular piston rod in which a portion of said hydraulic fluid from one of said power cylinders is being discharged on the movement of said pump piston in one direction, and the other of said outlets from said pump barrel being connected to a passageway into which a portion of the hydraulic fluid from said power cylinders discharge upon the movement of the respective pistons in the opposite direction.

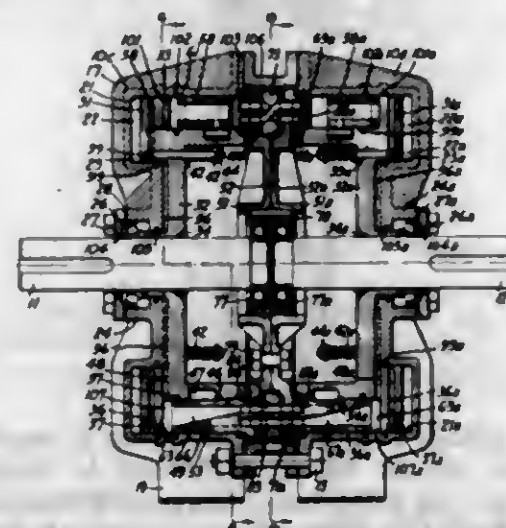
2,628,566

TORQUE CONVERTER

Leo Berner, San Jose, and Alexander L. Jett, Menlo Park, Calif.
Application November 9, 1948, Serial No. 59,062
4 Claims. (Cl. 103-120)

1. In a hydraulic device of the type described, a housing, a shaft extending axially into the

housing, an annular member mounted on the shaft to rotate therewith and having circumferentially spaced slots, a ring adjacent one side of said member and provided with a plurality of teeth extending from one face of the same, said teeth being circumferentially spaced and accommodated in said circumferentially spaced slots formed in the annular member, a port ring non-rotatably carried within the housing and having an end face which faces toward the annular member, said port ring having circumferentially spaced slots formed in the same extending longitudinally of the axis of the shaft and also having

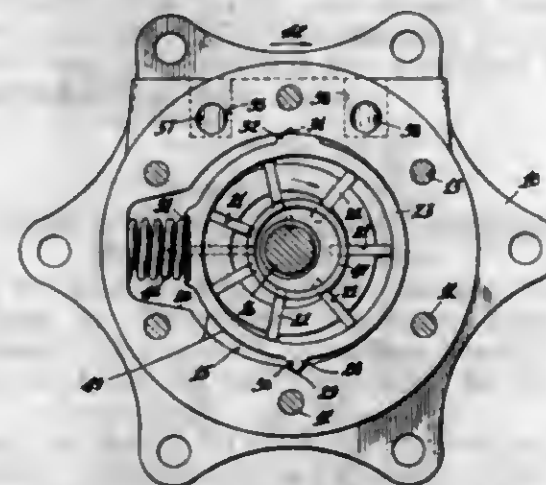


ports for liquid flow, an end face of the port ring being spaced from said end face of the annular member to form displacement chambers between said teeth, valve members slidably disposed in the slots formed in the port ring, and means for automatically retracting and advancing said valve members upon rotation of said rotatable member, whereby when a valve member is retracted it passes an adjacent tooth and when advanced it extends into and forms a fluid barrier in an associated displacement chamber, the porting of said port ring providing inflow and discharge ports for liquid flowing into and out of said chambers.

2,628,567

REVERSIBLE VARIABLE CAPACITY FLUID PUMP

Warren H. De Lancey and Edwin E. Vincent, Springfield, Mass., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 12, 1946, Serial No. 715,844
13 Claims. (Cl. 103-120)



1. In a variable delivery fluid pump, an outer housing providing a hollow chamber and fluid intake and delivery connections, a rotor having radially slidable vanes and rotatable in said chamber, a ring-like member pivotally mounted

at one side thereof within said chamber and disposed so as to surround said rotor and co-operating by its inner surface with said vanes to produce the pumping action, yieldable means biasing said member about its pivotal mounting to eccentric position relative to said rotor for maximum pumping action by said vanes, said intake and delivery connections being so disposed relative to said ring-like member as to cooperate with said rotor in producing a pumping pressure acting on an inner surface area of said ring-like member between said pivotal mounting and said biasing means, in a direction to move said ring in opposition to said biasing means toward concentric or non-pumping position to minimize the pumping action, means adjustable to alter the position on said inner surface of said ring-like member at which said pumping pressure is applied, and means extending out of said housing for effecting the adjustment of said last named means.

2,628,568

HIGH-PRESSURE PUMP

Marvin L. Rhine, Chicago, Ill., assignor to Ellipse Corporation, Chicago, Ill., a corporation of Illinois
Application April 26, 1946, Serial No. 665,268
3 Claims. (Cl. 103-135)



2. A fluid displacement device comprising a stator having an out-of-round stator cavity, a rotor rotatable therein, said rotor having blade-receiving pockets, blades received therein for free movement relative to the pockets and radial movement relative to the stator cavity in order to contact the wall thereof, each of said blades being substantially a half-circle in cross-sectional shape, each of said pockets having a similar shaped bottom, said pockets being of substantially the same size as said blades to effect substantially complete displacement of fluid from said pockets in the seated positions of said blades, and a relief opening through each of said blades located between the front and rear faces of the blade and extending from the stator contacting face of the blade to the opposite face thereof to balance out excess pressure between said blade and said stator by conducting the fluid from the pocket, thus aiding said blade to follow the contour of said stator.

2,628,569

VALVE ASSEMBLY

Burdette B. Gilmore, Pelham Manor, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y., a corporation of New York
Application June 26, 1947, Serial No. 757,217
10 Claims. (Cl. 103-153)

1. A valve assembly for dispensing liquids, said valve assembly comprising a casing having a longitudinal bore therethrough, said bore having an inlet to a source of liquid and an outlet, a plunger assembly slidably mounted in said bore, means on said plunger assembly to control said inlet and outlet, a spring normally retaining said plunger

assembly in inlet and outlet closed position, a supply chamber in said bore defined by said plunger assembly and said inlet, an air chamber in said casing having a port leading into said supply chamber, a discharge chamber in said bore defined by said plunger assembly, means affording communication between said supply chamber and said discharge chamber, said plunger assembly being constructed and arranged to open

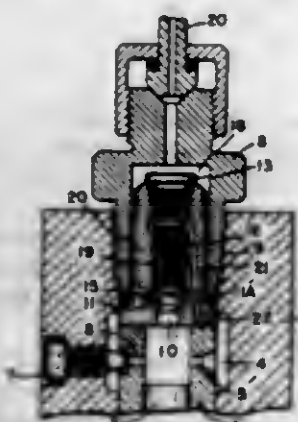


said inlet to enable liquid to flow into said supply chamber and said discharge chamber and to compress the air in said air chamber while still retaining said outlet in closed position, and to close said inlet, open said outlet and provide access thereto from said discharge chamber, whereby the compressed air in said air chamber may forcibly eject the contents of said discharge chamber from said outlet.

2,628,570

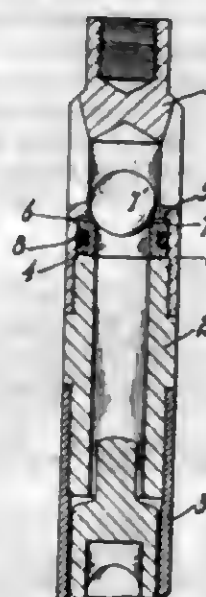
FUEL INJECTION DEVICE

Frank De Luca, Willimansett, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application April 26, 1946, Serial No. 665,283
4 Claims. (Cl. 103-154)



1. In a device of the character described, a fuel injection pump comprising a barrel having a bore, a plunger in said bore, means for reciprocating said plunger for injecting fuel, a source of fuel supply in communication with said bore and adapted to supply fuel thereto, a fuel delivery outlet and a delivery valve in the fuel path between said pump bore and said outlet, said delivery valve having a bore communicating with said pump bore, a valve member in said valve bore, a seat for said valve member, spring means urging said valve towards said seat, a discharge port communicating with said valve bore, a differential area on said valve member and a fuel passage between said discharge port and said valve bore adjacent said differential area on said valve member whereby said valve member may be urged away from said seat by pressure surges of fuel in said fuel passage to open said valve and allow passage of fuel from said delivery line back to the bore of the fuel injection pump and a second fuel passage communicating with said valve and said source of fuel supply for allowing return of fuel passing said valve member to said source of fuel supply.

2,628,571
SEAT ASSEMBLY FOR PUMP CAGES
Karl P. Neilsen, Long Beach, Calif.
Application January 2, 1948, Serial No. 147
2 Claims. (Cl. 103-225)

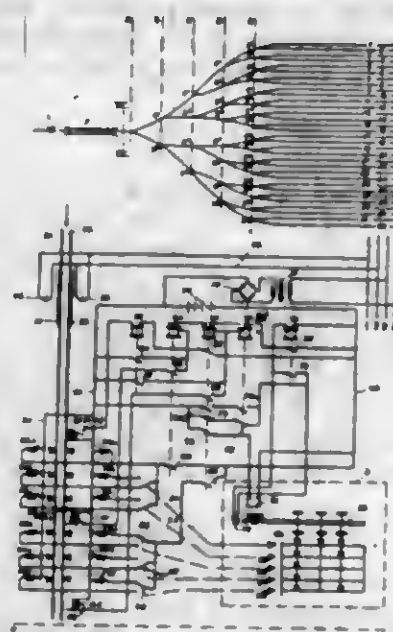


1. In a pump assembly, including a cage and a plunger on top of which the cage is threadedly mounted, a ring type valve seat mounted between the cage and the plunger, an annular shoulder formed on the inside of the said cage and adjacent the lower end thereof, said shoulder being spaced a small amount above the top surface of the seat so that the cage when in threaded engagement with the plunger does not shoulder on the top of the seat, the top surface of the plunger on which the seat rests being tapered and machined to accurately fit the machined bottom face of the seat which rests thereon.

2,628,572

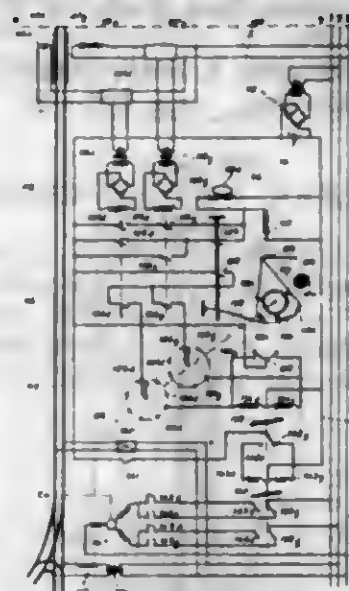
MAGNETIC CONTROL SYSTEM FOR RAILWAY TRAFFIC

Lucien Joseph Armand Le Goff, Cléchy, France, assignor to Societe d'Electricite Mors, Cléchy, France
Application March 13, 1947, Serial No. 734,513
In France April 7, 1939
19 Claims. (Cl. 104-38)



1. A magnetic control system for railway vehicles comprising means for selectively forming

magnetic patterns on the marginal portions of either of two of the vehicle wheels on the same axle, magnetic flux detecting members along the

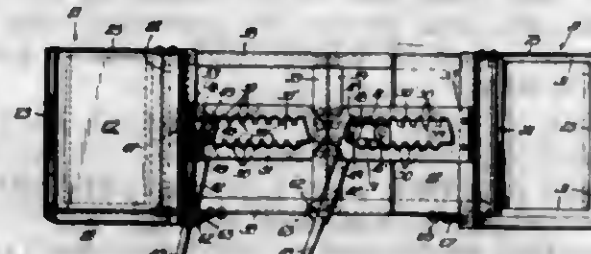


railway track selectively actuated by said magnetic patterns, and electric switching means operated by said magnetic flux detecting members.

2,628,573

OPERATING MECHANISM FOR SLIDING GATES FOR HOPPERS OF HOPPER TYPE CARS

George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1949, Serial No. 129,545
8 Claims. (Cl. 105-282)



1. For combination with a load containing hopper having a discharge opening and a sliding gate for closing the same, means for moving said gate relative to said opening including fulcrums spaced from each other lengthwise of the path of movement of said gate, a link pivotally mounted at one end on said gate and extending therefrom, a lever pivotally mounted on said link at its other end, and a fulcrum on said lever near its pivot axis in position to engage successively with said spaced fulcrums for effecting lengthwise movement of said gate.

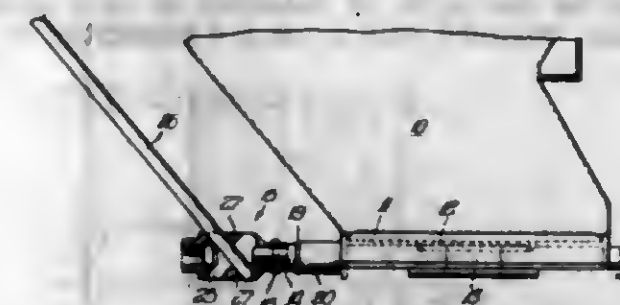
2,628,574

HEAD FOR GATE OPERATING MECHANISM FOR HOPPER CARS

George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1949, Serial No. 112,031
2 Claims. (Cl. 105-305)

1. For combination with a shaft carrying pinion means cooperating with rack means on a gate used for controlling the opening through a hopper of a railway hopper type car, means for rotating said shaft including an operating head adapted to be non-rotatably mounted on one end of said shaft with its longitudinal axis coincident with the axis of rotation thereof and in-

cluding an operating bar receiving portion formed by four sections spaced 90° apart around and constituting an integral part of and extending lengthwise of said head, each of said sections having an operating bar receiving pocket extending at an acute angle to the axis of rotation of said head and into and at least partly through the opposite section whereby two pairs of operating bar

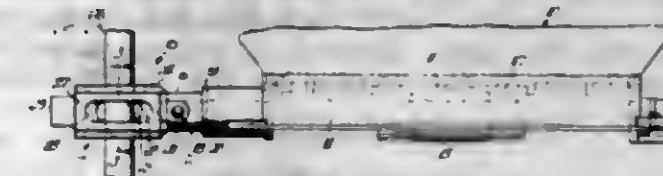


receiving pockets are provided in planes intersecting at right angles along said longitudinal axis and the exterior surface of each section containing two apertures, and wall means between the apertures in each section on one side defining a part of one of said operating bar receiving pockets of a pair and on the other side defining a part of the other bar receiving pocket of the same pair.

2,628,575

OPERATING BAR RECEIVING HEAD FOR SHAFT OF GATE OPERATING MECHANISM FOR RAILWAY CARS

George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1949, Serial No. 112,033
2 Claims. (Cl. 105-305)



1. For combination with a shaft carrying pinion means cooperating with rack means on a gate used for controlling the opening through a hopper of a railway hopper type car, means for rotating said shaft including an operating head having a sleeve portion at one end to telescope over and be operatively connected to one end of said shaft and a tubular operating bar receiving portion at the other end, said tubular operating bar receiving portion having two pairs of longitudinally extending slotted openings in aligned relation on opposite sides of its axis of rotation, each pair of openings being adapted to receive transversely of said axis a removable operating bar having a maximum cross-sectional dimension slightly less than the width of said slots, each pair of openings being shaped to receive said bar commonly therethrough perpendicular to said axis and each opening having its sides the projections of which are transverse to said axis defined by inclined surfaces whereby said bar can be moved away from the perpendicular position to one at an acute angle to said axis.

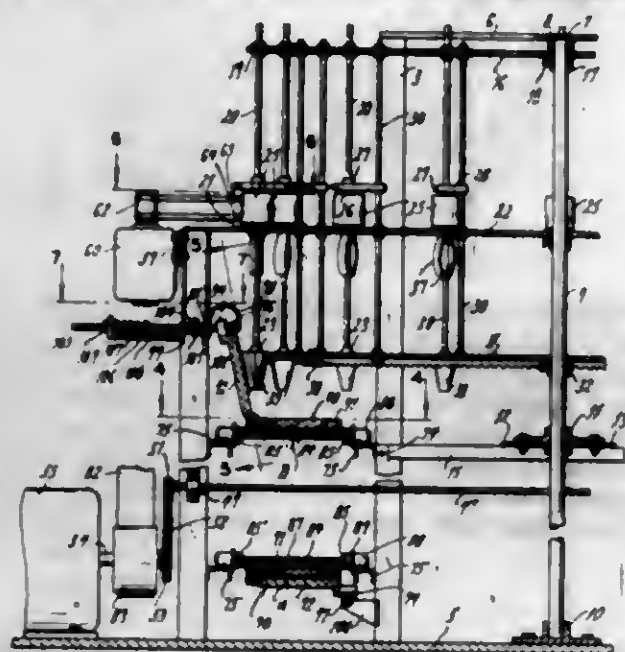
2,628,576

ICE-CREAM CONE ROLLING MACHINE

Jacob S. Finke, University City, Mo.
Application September 3, 1950, Serial No. 183,226
11 Claims. (Cl. 107-4)

3. In a cone-rolling machine, the combination comprising a rotary frame, a plurality of cone

molds carried thereby, the axes of the molds being parallel to and equidistant from the axis of rotation of the frame, wafer-rolling means associated with the molds, each mold having a feed slot extending from its apex through and along its wall, and having a portion adjacent the slot presented as a scraper, a conveyor, baking grids conveyed thereon along a path substantially tangential to the path of rotation of said scraper portions, whereby said grids are presented in po-

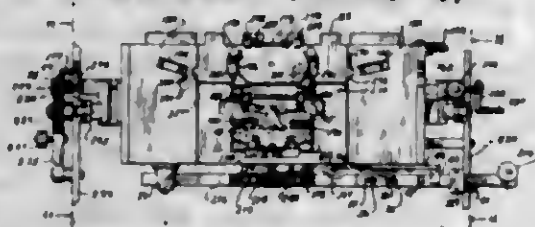


sition for scraping engagement against the scraper portions of the successive molds to remove baked wafers therefrom, and mechanism operatively associated with the frame and the conveyor for rotating the frame in one direction and simultaneously moving the grids tangentially of said scraper portions in the opposite direction, whereby wafers are scraped from said grids and delivered through the feed slots into the cone molds for rolling by the wafer-rolling means.

2,628,577

PRETZEL TWISTING MACHINE

Harrison S. Gipe, Reading, Pa., assignor to Quinlan Pretzel Company, Inc., Reading, Pa., a corporation of Pennsylvania
Application March 18, 1947, Serial No. 735,422
10 Claims. (Cl. 107-8)

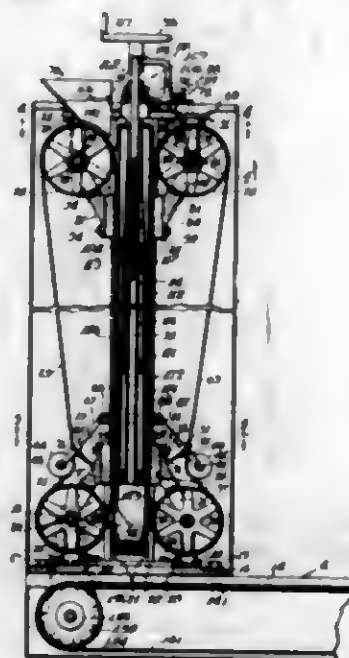


2. In a pretzel forming machine, the combination with a pretzel forming unit mounted on a rotatable drum having a horizontal axis in the machine and including a pick-up plate with arcuate dough strip receiving flanges, a twister yoke hingedly mounted with respect to said pick-up plate, and a twister pivotally mounted in the yoke, of a cam track fixedly mounted exteriorly of said drum, a cam adapted to move through said track to be actuated thereby, operative connections between said cam and said yoke whereby movement of said cam causes swinging movement of said yoke, a second cam track fixedly mounted exteriorly of said drum, a second cam adapted to move through said second track to be actuated thereby, and operative connections between said second cam and said twister whereby movement of cam causes twisting action of said twister.

2,628,578

DOUGHNUT FORMER

Ernest J. Roth, Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application October 4, 1948, Serial No. 52,737
8 Claims. (Cl. 107-9)

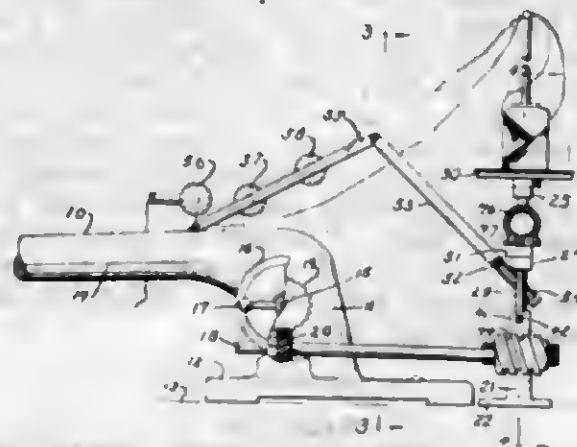


1. A doughnut former comprising an elongated tubular member having a bore therethrough, belt guiding means for supporting a plurality of belts, a plurality of endless belts mounted over said guiding means with one side of each of said belts operating contiguously over the inside surface of said bore, a mandrel extending into one end of said bore and eccentrically of its longitudinal axis, and means for operating said belts in the direction in which said mandrel extends into said bore.

2,628,579

BOBBIN HOLDER FOR LOOPING MACHINES

Elmer E. Sutphin, Pulaski, Va.
Application September 9, 1949, Serial No. 114,842
3 Claims. (Cl. 112-25)



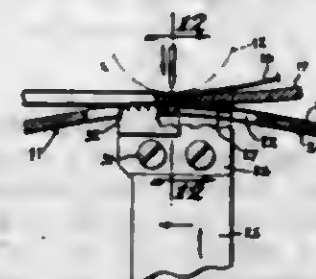
1. In combination with a support, a looping machine including an arm mounted at one end on said support and adapted to carry looping mechanism at the other end thereof and a drive shaft extending along said arm for driving the associated mechanism, and a bobbin carrier comprising an upright stand mounted on said support adjacent said one end of said arm and having a substantially horizontally disposed platform at its upper end, a bobbin spindle journaled in upright position in said platform and extending thereabove to receive a thread bobbin, a bearing carried by said stand below said platform, an

arbor journaled in said bearing and drivingly connected at its upper end to the lower end of said spindle, a worm gear on said arbor, and a worm on said drive shaft meshing with said worm gear to drive said spindle at a speed proportional to the operating speed of the associated looping machine.

2,628,580

SEWING MACHINE FOR MAKING FRENCH BINDINGS

John Sherman Willis, Cincinnati, Ohio, assignor to Leslie Rankin Company, Cincinnati, Ohio, a corporation of Ohio
Application March 9, 1951, Serial No. 214,109
5 Claims. (Cl. 112-28)

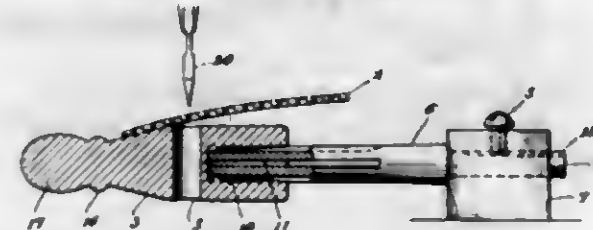


5. In a sewing machine adapted for making French bindings, said sewing machine having a toothed feed dog, the improvement comprising a guide for the reinforcing tape utilized in these bindings, said guide having a substantially horizontally disposed flattened loop portion defining a passageway, said guide mounted on the feed dog at the tape feed end thereof with the passageway aligned and arranged with respect to the teeth of the feed dog so that at least one edge-wise portion of the tape is adapted to be guided over said teeth.

2,628,581

TIP FOR UMBRELLAS AND MEANS FOR ATTACHING THE COVERS OF UMBRELLAS THERETO

Milton M. Harris, Passaic, N. J., assignor to Irving Hollander, New York, N. Y.
Application August 18, 1950, Serial No. 180,188
1 Claim. (Cl. 112-114)

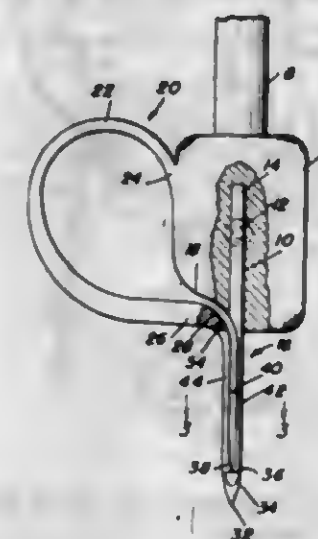


The combination of a metal tip to be secured to the cloth cover of an umbrella and fitted upon the outer end of a rib thereof, a mandrel to hold said tip, and a support to which the tip is affixed, the tip having in one end a cavity with the cross sectional outline of an ellipse, and longitudinal ribs in the cavity at the ends of the long and short axes of said ellipse, the tip also having a transverse hole between said cavity and its opposite end, the axis of the hole being parallel to said short axis, the mandrel being circular in cross section and having a slot in one end, dividing it into flexible prongs to be compressed so that the prongs can be inserted into said cavity, the width of the slot then extending in the direction of said long axis, said prongs having longitudinal grooves on their outer surfaces, said prongs when in said cavity receiving the ribs of the cavity in said grooves and the sides of said slot.

2,628,582

SELF-THREADING SEWING MACHINE NEEDLE WITH IMPROVED BLOCK

Guido Martinelli, Dallas, Tex.
Application October 29, 1951, Serial No. 253,592
3 Claims. (Cl. 112-225)



1. In a self-threading needle construction, in combination, a needle bar having a block which is flat at one end, said block having an axial socket therein opening centrally through said flat end for reception of the shank of a needle, said needle having a shank with its inner end fitting into said socket and having an eye at its outer end and a lengthwise thread delivering slot opening at one end into said eye and opening at its opposite inner end laterally and outwardly through a side of the intermediate portion of said shank remote from said eye and providing a thread inlet to said slot, that portion of the block which is in alignment with said inlet having a cam surface for directing a contacting thread into said slot for delivering said thread into said eye, and a thread guide situated on that portion of said block having said cam surface and in which the free end of the thread is initially and momentarily corralled and piloted toward said cam surface and cooperating inlet, said guide being in the form of a loop and having one end fixed on said block and the other end free and in close spaced proximity to said flat end, said free end having an outwardly disposed surface which is coplanar with said flat end and also having an inwardly positioned cam surface opposed to said first cam surface and said cam surfaces conjointly functioning to channel the thread into said inlet.

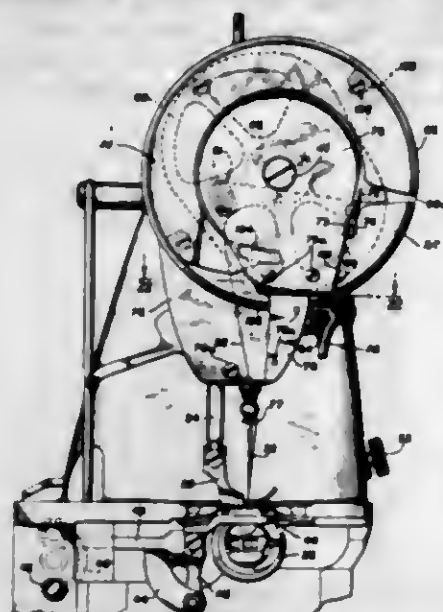
2,628,583

ROTARY TAKE-UP LOCK STITCH MACHINE

Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1948, Serial No. 100,619
20 Claims. (Cl. 112-248)

1. In a lockstitch sewing machine a rotary take-up which comprises a rotary shaft, a disc-like member secured to said shaft, an orbitally movable thread engaging element carried by said member and projecting laterally therefrom, said element having an arcuate groove in the outer face thereof curved about the axis of said shaft, and a fixed cover member parallel with the path of movement of said element and disposed adjacent said path, said cover member carrying a substantially continuous circular flange extending into the path of said element and ar-

ranged to be received by said arcuate groove in said element, said flange cooperating with the

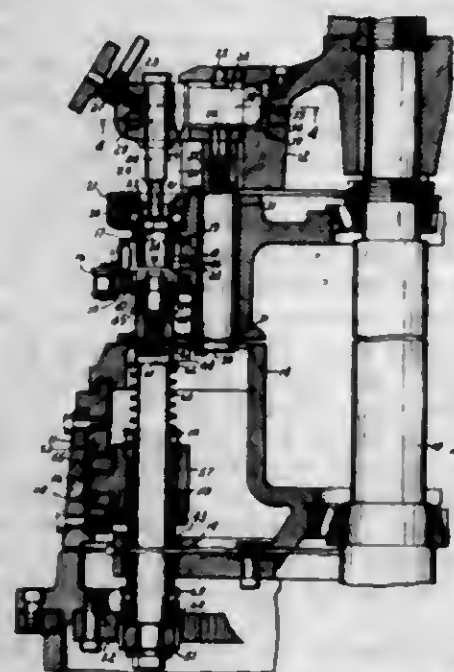


2,628,584

METAL SHAPING MACHINE

John R. Turner, Glen Mills, Pa., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application February 10, 1951, Serial No. 210,384
7 Claims. (Cl. 113-52)



1. Apparatus for the forming of an interior peripheral enlargement on a cup-shaped workpiece comprising a forming tool, a work holding die, means for conveying said die to a position in alignment with said tool, means for effecting relative movement of said die and tool to position said tool within the workpiece in said die, means for rotating said workpiece while said tool is so positioned, means for shifting said tool laterally to engage the periphery of said workpiece, and means for disengaging said tool from said workpiece.

2,628,585

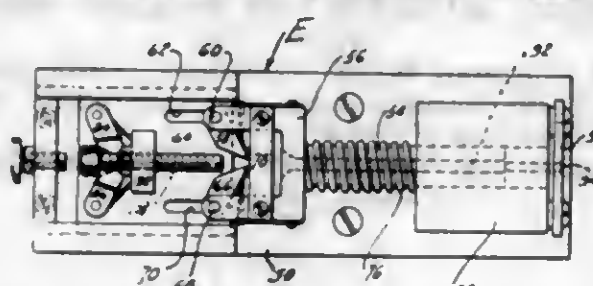
SOLDER FEEDING DEVICE

John E. Cowles, Philadelphia, Pa.
Application May 12, 1949, Serial No. 92,907

3 Claims. (Cl. 113-94)

1. In an automatic soldering machine, a device for feeding the solder toward a workpiece

comprising a base, a solenoid mounted at one end of said base, a hollow armature slidably positioned in said solenoid and having a portion thereof extending outwardly of said solenoid, a yoke mounted on that end of the armature which is located outwardly of said solenoid, a spring connected to said armature to bias it away from said solenoid, a plate slidably mounted on the end of said base which is opposite to said solenoid,



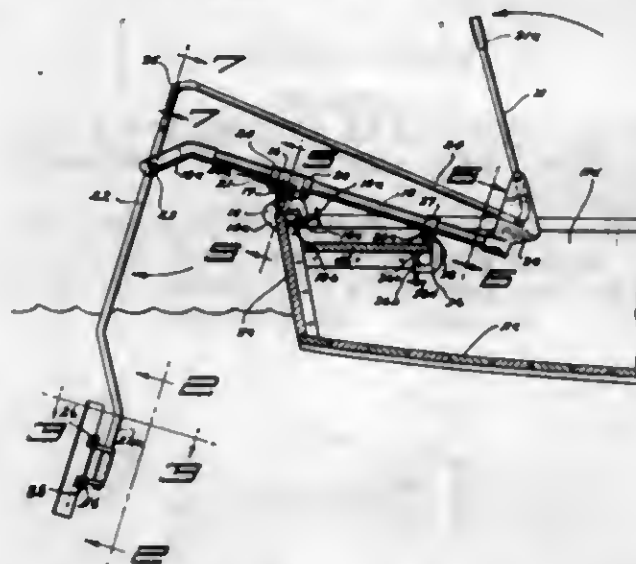
noid, said plate being spring-pressed away from said solenoid, said yoke being connected to said plate by a lost motion connection, and means on said yoke and on said plate to grip a length of solder which is adapted to be threaded through said hollow armature and to extend toward a workpiece spaced from said feeding device, whereby said solder is moved toward said workpiece when said solenoid is actuated and moved away from said workpiece when said solenoid is de-energized.

2,628,586

TROLLING PROPELLING MEANS FOR BOATS

Henry Hoffman, Minneapolis, Minn.
Application May 10, 1949, Serial No. 92,472

7 Claims. (Cl. 115-29)



1. A propelling device for a boat having in combination, a member comprising a clamp adapted to be clamped to a rear portion of a boat, an elongated member carried by said member projecting rearwardly of said boat and extending forwardly in said boat, said elongated member being rotatable about an axis extending longitudinally thereof, a lever pivoted intermediate its ends to said elongated member adjacent the rear end thereof, a paddle secured to the lower end of said lever adapted to be disposed in the water in which said boat is movable, a bracket connected to the front end of said elongated member and a second lever pivoted to said bracket, and a link connecting said second lever to the upper portion of said first mentioned lever whereby said second mentioned lever can be oscillated and said first mentioned lever will be moved coordinately to reciprocate said paddle and said paddle may be moved laterally by rotation of said elongated member.

2,628,587

AUTOMATIC TRAFFIC SIGNAL

Fred Peters, Hawthorne, and Francis J. Hanback, Los Angeles, Calif.; Verna V. Peters executrix of said Fred Peters, deceased

Application September 12, 1949, Serial No. 115,222
4 Claims. (Cl. 116-63)



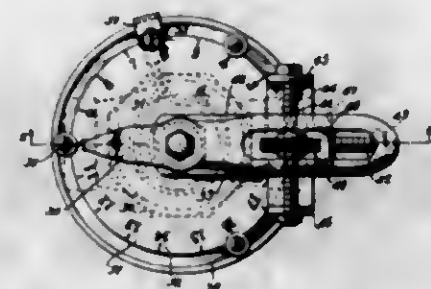
1. In an automatic traffic signal having a rotatable signal drum and drive shaft means constantly urging said drum into rotation and having an escapement gear, the combination of a control pinion for said gear a mid-pivoted gear release lever rotatable with said pinion and having axially directed flanges at each end at unequal distances from the pinion axis, a timing lever oscillator having stops for said gear release lever flanges, and a timing cam wheel for actuating said oscillator to periodically release said gear release lever to permit said drum to rotate a first predetermined amount and thereafter a second predetermined amount to complete a cycle of operation, said oscillator having means adjustably engageable with said cam wheel whereby the time period of said first rotation may be varied.

2,628,588

MICROMETER ADJUSTMENT DEVICE FOR VALVES

Carl J. Mehler, Pittsburgh, Pa.
Application January 8, 1948, Serial No. 1,255

5 Claims. (Cl. 116-125)



1. Actuating means for precisely controlling the opening of a valve wherein the movable member of the valve is rotatable in the valve housing, said actuating means comprising a spindle, a lever secured intermediate its ends to said spindle for turning said spindle, one end of said lever being formed to provide a pointer, a support for the actuating means carrying a graduated dial which is traversed by said pointer, an arm mounted on said support to be adjustable angularly about the axis of rotation of said spindle, means, including a micrometer element, for ad-

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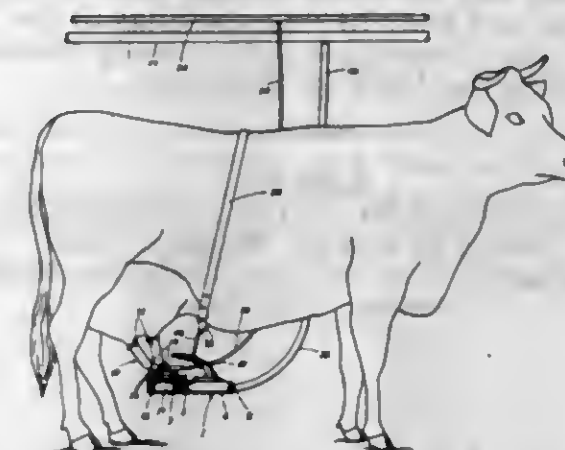
justably connecting said lever and arm, said lever and arm being movable as a unit to effect rough adjustment of said spindle, and means for locking said arm against angular movement relative to said support so that thereafter said lever may be adjusted by said micrometer element angularly relative to said arm to effect fine adjustment of said spindle.

2,628,589

MILK TRANSFER UNIT FOR AUTOMATIC MILKING MACHINES

Robert E. Reeve, Tracy, Calif.

Application February 24, 1951, Serial No. 212,542
2 Claims. (Cl. 118-14.54)



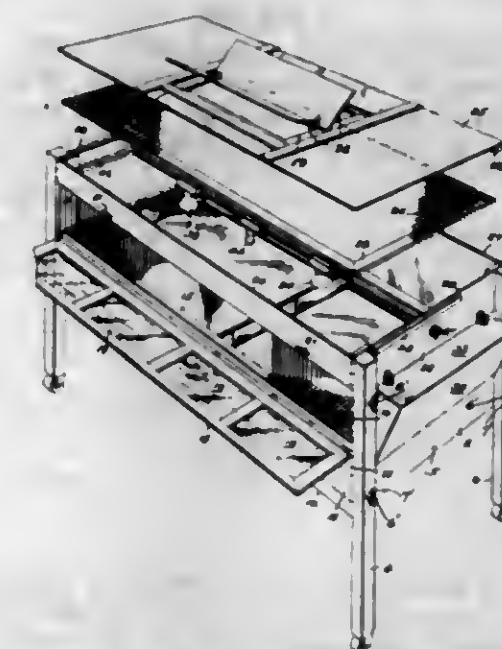
1. A milk transfer unit adapted to be suspended beneath a cow and arranged for connection to the mounting cover of a teat cup assembly, said unit comprising a relatively heavy elongated body which includes a flat-bottomed shallow chamber at one end to receive the cover in releasable sealing relation, and a relatively solid portion beyond the chamber; and a handle upstanding from and rigid with said body portion and overhanging the chamber for longitudinally swingable supporting engagement with a cow supported suspension element; said body portion having a passage therethrough leading from the chamber to the outer end of said portion for connection to a milk hose.

2,628,590

BROODER STRUCTURE

Allen E. Wood, Otis, Colo.
Application September 20, 1949, Serial No. 116,799

1 Claim. (Cl. 119-32)



In a brooder, a box-like body including supporting legs, front and rear horizontal bars con-

ected with the supporting legs and extending inwardly therefrom, a removable pan resting on said front and rear horizontal bars providing the bottom of the body, a stationary rectangular frame secured to the supporting legs above said pan, said stationary frame extending inwardly from the legs providing a support, a wire screen frame resting on the stationary rectangular frame providing a brooder compartment bottom, inwardly extended horizontal supporting bars secured at the upper ends of said legs, a wire mesh frame removably mounted on said horizontal supported bars, a removable top closing the top of the body, said top having ventilating openings formed therein, hinged closures connected to the removable top normally closing said ventilating openings, said body having openings in the front thereof, and hinged closures normally closing the openings in the front of the body.

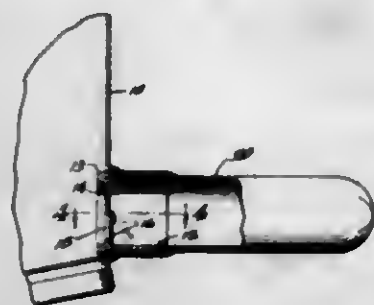
2,628,591

FEEDER PAIL VALVE ASSEMBLY

James M. Coyner, Madison, Wis.

Application April 22, 1949, Serial No. 89,078

3 Claims. (Cl. 119-71)



1. A valve assembly adapted for attachment to a feeder pail equipped near its bottom with an opening, comprising a flanged ferrule adapted to extend through said opening and provided with a partition wall extending interiorly across the ferrule passage, said partition wall being provided in its lower side with an opening, a flap valve of malleable metal extending across said opening on the outer side of said partition wall and equipped with laterally-extending projections, said ferrule being provided in its side walls with openings receiving said projections, and a resilient conduit carried by said ferrule and enclosing said wall openings.

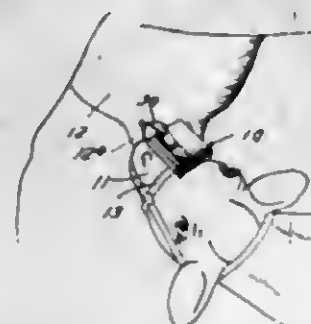
2,628,592

ELECTRICAL CALF WEANER

Le Roy M. Johnston, Chehalis, Wash.

Application January 19, 1950, Serial No. 139,471

2 Claims. (Cl. 119-130)



1. In an electrical calf weaner, a receptacle to be mounted on the nose of a calf between its nostrils, an electrode mounted on the lower side of said receptacle for contact with the calf, a second electrode mounted on the upper side of said

receptacle for contact with the mother cow, a shock producing vibrator, a battery in circuit with said electrodes, said vibrator and a ground, and a normally open switch in said circuit adapted to close automatically upon the up-tilting of the head of the calf into teat suckling position and the contact of the second electrode with the mother cow, said vibrator, the battery, and said switch being housed within said receptacle.

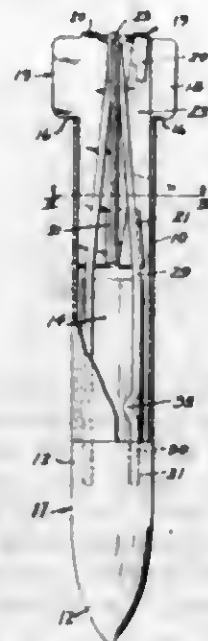
2,628,593

PENCIL POINTER

Elmo Edison Aylor, Chicago, Ill.

Application April 22, 1949, Serial No. 89,104

13 Claims. (Cl. 120-92)



1. A pencil pointer comprising a casing, a plurality of spaced blades disposed in said casing defining a cutting recess, and resilient guide members disposed between adjacent blades and extending into said recess for automatically centering a pencil in said recess.

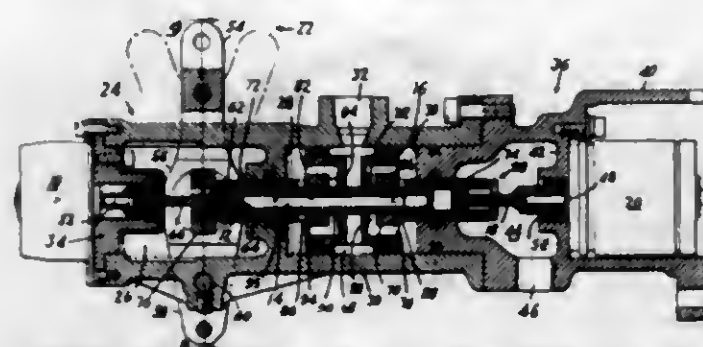
2,628,594

ELECTROHYDRAULIC SERVO UNIT

Walter Dorwin Teague, Jr., Alpine, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application February 14, 1947, Serial No. 728,589

3 Claims. (Cl. 121-41)



1. For use with an electrical signal transmitter adapted to emit an electrical signal upon the displacement of said transmitter from a null position, a servo unit comprising a housing body having, successively therealong from one end in the order named, opposite side apertures, a partition and a cylinder having a fluid pressure side inlet port, a closure for said end, a housing member comprising a closed end telescoping the other end of said body and including a mounting portion at the other end of the member and an in-

intermediate wall cooperating with said closed end to form a chamber having a side drain port, a follow up device in said mounting portion including a rotor shaft operable through said wall, a motor mounted on, and having a shaft operable through said closure, a lever including an arm extending laterally of one side of said body and a yoke embracing the body having legs opposite said apertures pivoted to the body at a side opposite said arm intermediate said apertures, a tubular valve element having an internal screw portion next to said motor, a nut in said screw portion connected to said motor shaft, a piston in said cylinder having a compartment between the ends of the piston open to said pressure port and the piston having a bore by which it axially slidably surrounds said valve element and including a hollow extension and a tubular stem element continuing said bore oppositely from the piston through said partition and said closed end, respectively, a member fixed to said extension extending laterally oppositely thereof through said apertures and pivotally connected to said legs, passages in said piston between said valve element and the cylinder at opposite ends of the piston, respectively, said extension and said stem having cylinder outlets, said valve element having means adapted to alternately open and close said passages and having ducts adapted to alternately close and open said cylinder outlets to drain through the valve element to said drain port, and a long-lead screw and nut connection between one of said elements and the shaft of said follow-up device, said motor and follow-up device being in electrical association with said transmitter so that a signal from said transmitter caused by a displacement thereof from a null position operates said motor thereby operating the follow-up device to cancel out the signal of said transmitter and simultaneously moving said tubular valve element to operate the piston and thus move the lever to a position in agreement with the displacement of said transmitter.

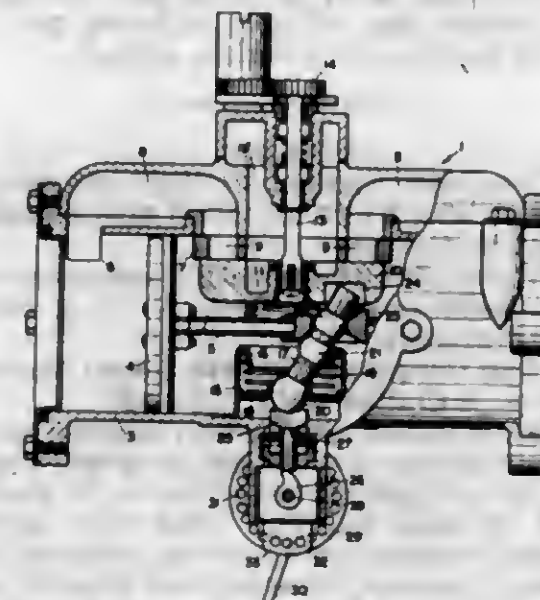
2,628,595

FLUID METER

George A. Waldie, Worthington, and Robert M. Conklin, Columbus, Ohio, assignors, by mesne assignments, to The Wayne Pump Company, Salisbury, Md., a corporation of Maryland

Application July 8, 1950, Serial No. 172,738

6 Claims. (Cl. 121-121)



6. A fluid-volume measuring device comprising a casing having radially disposed cylinders in said casing, pistons slidably positioned therein, a piston rod for each piston, a substantially cup-

shaped cam member, on the lower portion of said casing, positioned centrally of said cylinders, and provided with a cam surface substantially in the form of an inverted truncated pyramid, a substantially cylindrical member inclinedly positioned in said cam member, three semi-spherical protrusions axially spaced on said cylindrical member, a spring positioned within and bearing against said cam member, said protrusions on said cylindrical member being so spaced that the upper protrusion is approximately co-planar with and is moved by said piston rods, the middle protrusion follows said cam surface, and the lower protrusion is normally urged downwardly by said spring, and means for moving said lower protrusion upwardly.

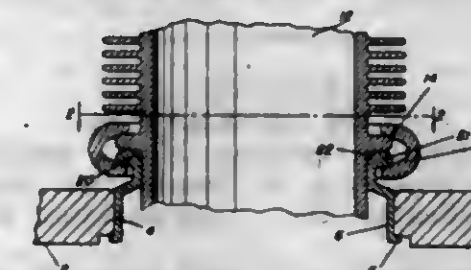
2,628,596

CYLINDER-CRANKCASE ASSEMBLY

Carl F. Bachle, Grosse Pointe, Mich., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich., a corporation of Virginia

Application May 15, 1948, Serial No. 27,193

2 Claims. (Cl. 121-194)



1. In an internal combustion engine a crankcase having an opening therethrough, a tightly fitting sleeve in the opening and projecting outwardly thereof, a flange on the inner end of said sleeve adapted to be engaged with an internal surface of said crankcase at the inner end of the opening, a second flange on the outer end of said sleeve externally of the opening, a cylinder extending through the sleeve and engaged with the internal surface of the sleeve, a flange on the cylinder and seated on the second sleeve flange, sealing means compressed between the aforesaid two adjacent flanges, and a clamping ring having a substantially V-shaped groove encompassing the two aforesaid flanges and collapsible to urge them tightly together, said ring provided with alternate arcuate portions of a maximum cross sectional area and a minimum cross sectional area of greater flexibility than said section of greater area.

2,628,597

COMBINATION GAS AND ELECTRIC HOT-WATER HEATER WITH HEAT ABSORBER-TRANSMITTER IN THE FLUE

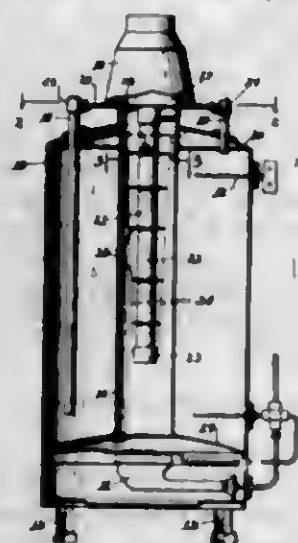
Vincent Rudolf Rostek, Philadelphia, Pa.

Application April 7, 1951, Serial No. 219,801

5 Claims. (Cl. 122-17)

4. In a device of the kind described, the combination with an upright household boiler having a central flue therein open at both ends, a heat exchanger positioned in the upper portion of said flue, said heat exchanger including a tubular casing closed at the lower end and having an apertured cap on its upper end, a tubular limb fixed to said cap and having aligned diametrical openings in alignment with the aperture in the cap whereby the interior of the casing is in communication with the interior and exterior of the limb, means to temporarily close the communication to the exterior, the ends of said limb having

means to fasten it to supports for suspending the casing, dry sand contained within said casing, and thin flat shaped baffles fixed on the outside

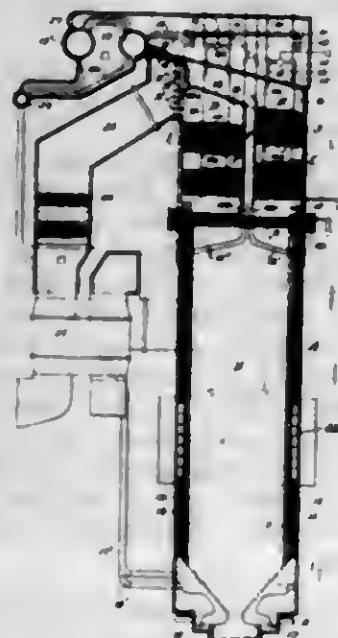


of the casing in spaced relation longitudinally of said casing to deflect a current of hot air and cause it to follow a vertically circuitous path of travel.

2,628,598

STEAM GENERATOR

John Van Brunt, Flushing, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application October 25, 1948, Serial No. 56,381
6 Claims. (Cl. 122-480)



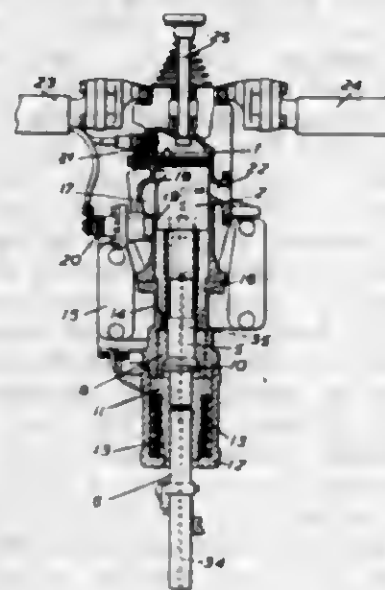
1. In a steam generator, an upright setting providing a chamber the lower portion of which is a combustion chamber and the upper part of which is a gas chamber receiving the gaseous products of combustion from the combustion chamber for discharge therefrom, steam and water drum means, water wall tubes lining each of two opposite walls of the setting and connected to deliver to said drum means, certain of the tubes lining each of said walls extending (a) inwardly upwardly toward the center of the combustion chamber at the top thereof to provide rows of tube portions substantially spanning the combustion chamber, (b) and then upwardly adjacent the center to form parallel rows spaced apart from one another in a direction between said walls, (c) and then in upright spaced rows, with the rows extending in a direction parallel to the said walls (d) and then to the drum means, where-

by to provide with the walls of the gas chamber parallel gas passes extending upwardly from a point above the tube portion spanning the combustion chamber, fluid heating elements in said gas passes, said gas chamber having an exit for the gases leaving the passes, damper means for controlling the flow of gas through said passes, and downcomer means for supplying said wall tubes.

2,628,599

PERCUSSIVE TOOL

Thomas Harold Wilson and Ronald Herbert Richardson, Coalville, England, assignors to Francis N. Bard, Chicago, Ill.
Application April 7, 1950, Serial No. 154,458
In Great Britain August 26, 1949
7 Claims. (Cl. 123-7)



1. A percussive tool comprising an internal combustion engine cylinder, a piston in said cylinder, said piston having a passage therethrough arranged to communicate with an exhaust port of said cylinder when the piston is in an upper position, an anvil arranged in the path of said piston and having an air passage therethrough, a bored working bit for receiving strokes transmitted by said anvil from said piston, a sleeve secured to said piston and slidably embracing the blow-receiving end of the anvil, said sleeve, anvil end, and the blow delivering part of the piston defining an air compression chamber adapted to communicate with atmosphere through the piston passage and cylinder exhaust port when the piston carries out a return stroke.

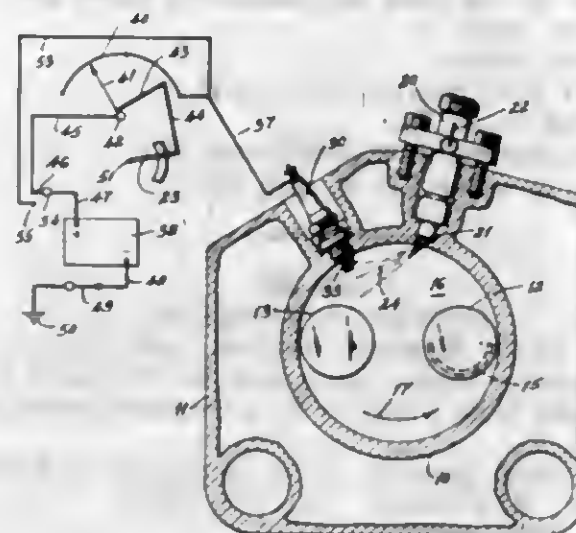
2,628,600

CONTROL OF THE IGNITION MEANS IN INJECTION TYPE INTERNAL-COMBUSTION ENGINES

Jay B. Malin, Whittier, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 22, 1948, Serial No. 66,636
3 Claims. (Cl. 123-32)

1. In an internal combustion engine having a cylinder providing a combustion space, the combination of an ignition plug having a glow-wire mounted in said cylinder with the glow-wire within said combustion space, an external source of electrical energy, an electrical circuit including electrical connections from said source to the glow-wire of said plug adapted to cause a flow of electric current through said glow-wire to heat the same to a glowing temperature sufficient to produce ignition of combustible fuel vapor-air mixture in said combustion space, an adjustable

variable resistor element in said electrical circuit having a movable member for varying the amount of resistance to current flow connected in said electrical circuit, a control for the quantity of fuel supplied per cycle to said combustion space, and an operative interconnection between said control and said movable member for automatically decreasing the amount of resistance

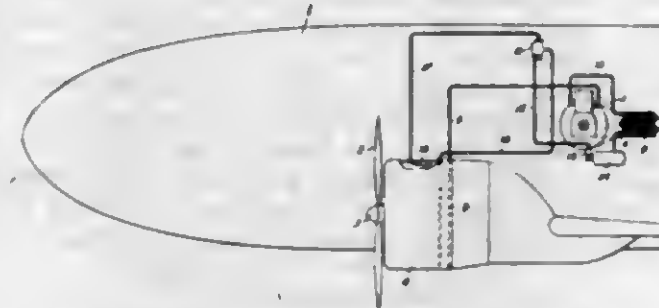


to current flow connected in said electrical circuit as said control is actuated to decrease the amount of fuel supplied per cycle to said combustion space, and for automatically increasing the amount of resistance to current flow connected in said circuit as said control is actuated to increase the amount of fuel supplied per cycle to said combustion space.

2,628,601

COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

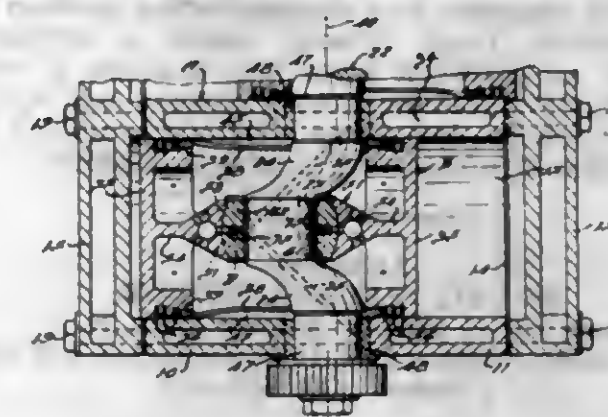
Gaetano Provenzano, Haledon, N. J.
Application March 29, 1950, Serial No. 152,562
1 Claim. (Cl. 123-41.19)



A dual cooling system for an internal combustion engine having a plurality of cylinders, a support for the latter, a housing, a conventional cooling system upon the support associated with the engine, the engine being located within said housing, a refrigerating system upon said support located externally upon said support and having a fluid coolant, a cooling coil for said coolant surrounding the cylinders within the housing and connected to said refrigerating system externally of said housing, means for driving the refrigerating system, temperature responsive means located within said housing adjacent to said engine, and a control valve connected to the temperature responsive means and operable thereby in response to predetermined temperature conditions prevailing about said cylinders, said control valve being also connected to said cooling coil and to said refrigerating system to control flow of coolant from the latter system to said cooling coil.

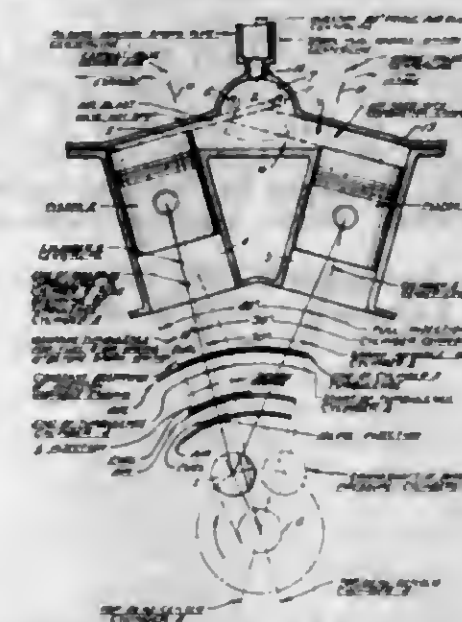
2,628,602
PISTON

John P. Butterfield, Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1949, Serial No. 133,926
21 Claims. (Cl. 123-41.35)



20. A piston comprising a head portion and an encircling, depending, skirt portion, a web portion depending from the inner surface of the head portion arranged to extend longitudinally of the piston, a bearing block slideway supported by said web portion, said slideway including a bearing surface that extends transversely of the piston skirt portion and is disconnected therefrom, the connection of the web portion to the slideway being aligned with the longitudinally extending central portion of the slideway bearing surface, and an interiorly disposed, opening extending longitudinally of the slideway arranged in alignment with the central portion of the bearing surface and the connection between the slideway and the web portion, and bore means associated with the slideway opening adapted to provide means for passing pressurized fluid through said opening to effect a spray of the pressurized fluid upon the inner surfaces of the piston.

2,628,603

INTERNAL-COMBUSTION ENGINE
Julius M. Ulrich, Old Greenwich, Conn.
Application April 14, 1950, Serial No. 156,031
4 Claims. (Cl. 123-53)

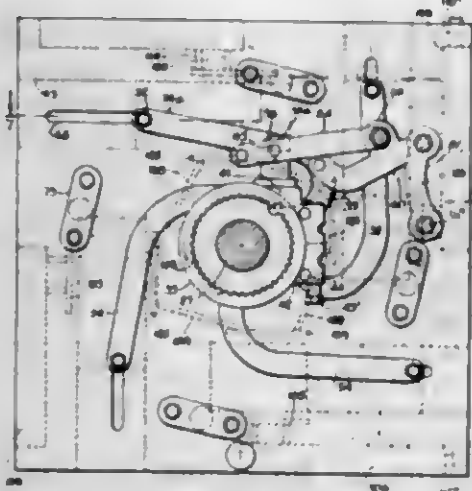
1. An internal combustion engine comprising two cylinders forming a V-angle, a piston contained in each of said cylinders, said pistons being attached by connecting rods to a common crank-pin of a crank shaft, a cylinder head over said cylinders, said cylinder head forming a combustion chamber common to both cylinders, a

fuel injection chamber positioned in said cylinder head midway between said cylinders and raised above the combustion chamber, a fuel injection nozzle in the top center of said fuel injection chamber, two spark gaps in said fuel injection chamber, each of said spark gaps being positioned offset from said nozzle in a direction substantially opposite to a corresponding portion of the cylinder head directly above a cylinder whereby an air blast from said cylinder is projected by said portion directly toward said spark gap through the fuel spray envelope projected by said nozzle into said fuel injection chamber.

2,628,604

MULTICYLINDER MOTOR

Laurence C. Maher, Asbury Park, N. J.
Application February 18, 1946, Serial No. 648,465
23 Claims. (Cl. 123-54)



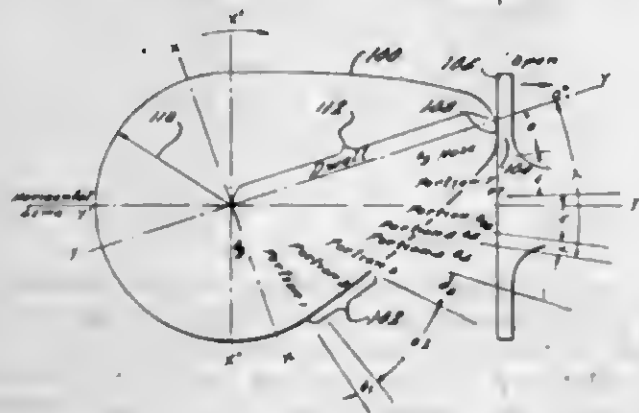
1. In combination, a rotatably mounted crank shaft transverse to a plane and having crank pin portions at opposite sides of the plane; cylinders disposed around said shaft; cross-heads mounted on the crank pin portions; a piston in each cylinder having a piston pin having projecting ends; a piston link connected to each piston pin end and to the associated cross-head; and means for holding the angular direction of the cross-head substantially constant.

2,628,605

CAM MECHANISM AND METHOD FOR MANUFACTURING THE SAME

John F. Jones, Berkley, and Fred F. Timpner, Birmingham, Mich., and Robert C. Juvinall, Chicago, Ill., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application November 2, 1950, Serial No. 193,632
5 Claims. (Cl. 123-90)



1. Mechanism including a curved cam and fol-

lower comprising a sliding pair in which the lift is in accordance with the following formula:

$$L = \frac{1}{C} \left[M - \frac{B}{R} \left(1 - \cos \sqrt{\frac{Rg}{KW}} \frac{60\phi}{N\pi} \right) \right]$$

where:

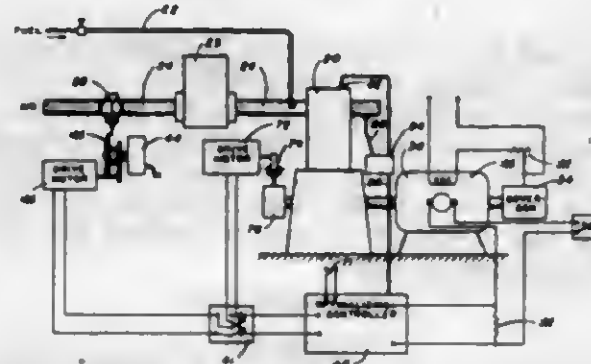
L=Lift at cam.
M=Maximum lift at valve.
B=Total spring load at maximum valve lift.
R=Spring rate.
K=Spring factor.
W=Valve gear equivalent weight.
N=Engine R. P. M.
 ϕ =Cam degrees from maximum lift.
C=Ratio of valve lift to cam lift.

2,628,606

CONTROL SYSTEM

Charles Stark Draper, Newton, and Yao T. Li, Cambridge, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York

Application June 24, 1950, Serial No. 170,164
22 Claims. (Cl. 123-102)



1. Automatic control apparatus for a system in which an output quantity is dependent on an input quantity, comprising means for introducing peak-searching variations in opposite senses into the input quantity, input-adjustment means for steadily varying the input quantity in either direction, means for generating a signal output which is a measure of the output quantity, means for detecting changes in the rate of increase of said signal output with respect to a variation of the input quantity, and means activated by a change in the rate between positive and negative for operating the input-adjustment means in a direction toward the zero-derivative signal output.

2,628,607

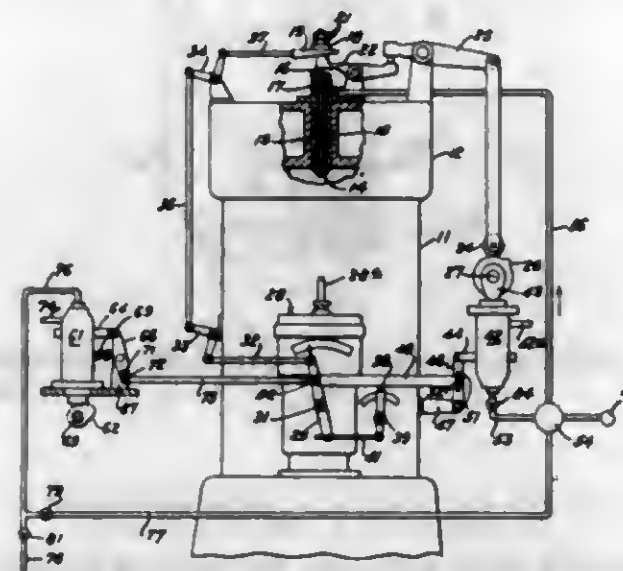
CONTROL SYSTEM FOR DIESEL ENGINES

Sidney W. Newell, Danville, Calif., assignor to The Union Diesel Engine Company, Oakland, Calif., a corporation of California

Application May 20, 1947, Serial No. 749,331
2 Claims. (Cl. 123-140)

1. A fuel supply system for diesel engines in combination with a diesel engine having at least one cylinder to which fuel is to be supplied via a spray nozzle associated with said cylinder comprising; a first pump connected via a fuel conduit to said spray nozzle, a first driving means individually associated with said first pump for driving said first pump, a second pump connected via a fuel supply conduit to said spray nozzle, a second driving means individually associated with said second pump independent of said first driving means for driving said second pump, an engine governor operatively associated with said engine, a first connecting mechanism for in-

dividually disconnectably linking said first pump to said governor for controlling the action of said pump in coordinated relation to the load and speed conditions of said cylinder, a second connecting mechanism for individually disconnectably linking said second pump to said governor



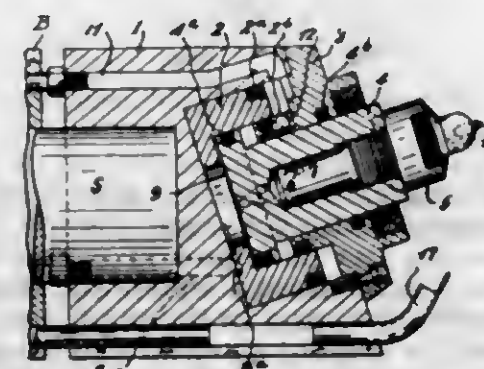
for controlling the action of said pump in coordinated relation to the load and speed conditions of the cylinder, and valve means comprising shut-off valves individually associated with said first and second pumps and the fuel supply conduits for individually and independently controlling the supply of fuel from said pumps to said spray nozzle.

2,628,608

DIAMOND TOOL ASSEMBLY

Joseph Loeccy, Jr., Euclid, Ohio

Application December 24, 1949, Serial No. 134,964
4 Claims. (Cl. 125-11)



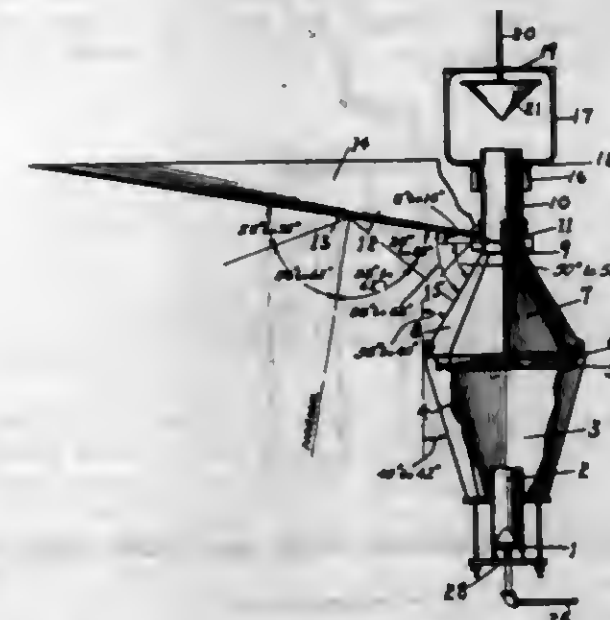
1. In a device of the class described, the combination of a cylinder, a plunger within said cylinder and reciprocable therewithin, a diamond tool for dressing grinding wheels carried by the outer end of said plunger, means connected to said cylinder for moving said plunger and tool forwardly and rearwardly and for effecting turning movement of said plunger and tool, a separate dresser barrel having grooves extending along the outside thereof and to the rear of said cylinder, said cylinder being of substantially the same diameter as said dresser barrel and being mounted upon the one end thereof, and hydraulic tubes connected to opposite sides of said plunger for operation thereof, said tubes extending along and within said grooves in said dresser barrel.

2,628,609

RADIANT HEATER FOR PLANT PROTECTION

Hollis P. Bacon, Sarasota, Fla.

Application November 17, 1948, Serial No. 60,590
3 Claims. (Cl. 126-59.5)



1. A radiant heater for the protection of living vegetation during periods of lowered temperatures, including in combination, a combustion chamber supported above the ground and which radiates heat rays from its exterior downwardly and outwardly, a fuel burner communicating with the combustion chamber, a fuel supply for the burner, a radiation chamber above the combustion chamber and communicating therewith, a baffle mounted within and near the top of said combustion chamber and out of contact with the shell of same to leave a peripheral space between said baffle and the interior of the combustion chamber to direct all flames and heat gases through said peripheral space against the inner wall of said radiation chamber, the radiation chamber being formed in polyhedral form of flat side surfaces, each surface being inclined upwardly and inwardly at an arranged angle to radiate heat therefrom, a chimney at the top of the radiation chamber, a wide reflector mounted above the radiation chamber, and a vertically adjustable element mounted above said chimney and having upwardly and outwardly flaring sides to reflect heat arising from the chimney outwardly upon the upper surface of the reflector, said element movable down toward the top of the chimney to control the discharge speed of hot gases arising therefrom.

2,628,610

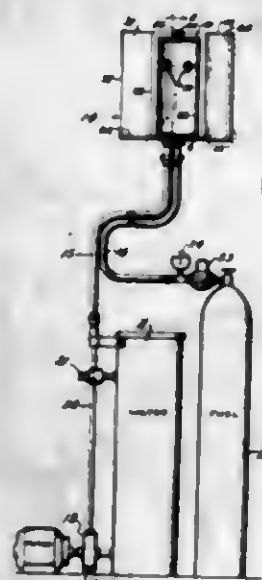
LOOSENING APPARATUS FOR WALL COVERINGS

Albert S. Christopher, Chicago, Ill.

Application September 28, 1949, Serial No. 118,377
7 Claims. (Cl. 126-271.1)

1. An applicator adapted for manipulation over a wall surface to effect the loosening of wall paper or similar coating thereon, comprising a body having a handle and a steam confining hood for confining steam to predetermined surface areas, means including a continuously operable steam generator and a conductor for discharging steam under the confining hood, and periodically operable means including a separate conductor for discharging water into the steam conductor adjacent the confining hood for mixture with the steam prior to the discharge thereof

under the confining hood so that the moisture condition of the steam may be instantaneously arm and said target supporting element, adapted to maintain the supported target in a position

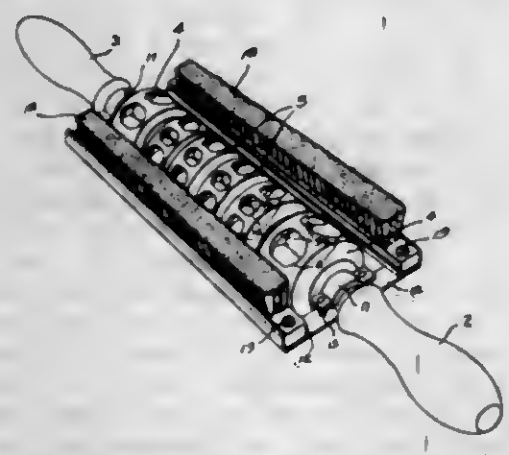


controlled in accordance with operating requirements.

2,628,611

MASSAGING DEVICE

Felix F. Wagner, Bremen-Oberneuland, Germany
Application December 4, 1950, Serial No. 198,926
In Germany December 22, 1949
5 Claims. (Cl. 128-57)



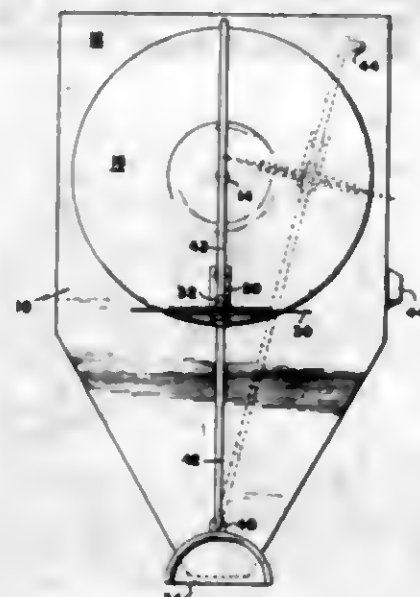
1. A massage device, comprising a plurality of elastic rollers journaled upon a common elongated axle member and having smooth peripheral surfaces thereon, each said roller surface having a plurality of suction cups open thereto but recessed inwardly therefrom, a pair of lateral arms secured in parallel relationship one adjacent each end of said axle, and a pair of longitudinal brushes disposed on opposite sides of said rollers and carried adjacent the terminal ends of said lateral arms, the brushing surfaces of said brushes lying in a common plane substantially tangential the peripheral surfaces of said rollers.

2,628,612

CILIOMETER

Jack A. Wheeler, Elberton, and Walker H. Matthews, Athens, Ga.
Application October 25, 1951, Serial No. 253,148
5 Claims. (Cl. 128-76.5)

1. A ciliometer comprising a base, a turn table rotatably mounted on said base, means for rotating said turntable, a target supporting element pivotally and eccentrically mounted on said turntable, an arm pivotally mounted at one end on said base and a sliding connection between said



normal to a point adjacent the pivot of said arm, during rotation of said turn table.

2,628,613

POSTURE CORRECTOR

Bessie P. London, Baltimore, Md.
Application August 16, 1949, Serial No. 110,630
4 Claims. (Cl. 128-78)



1. An apparatus for posture correction comprising a substantially flat, rigid member of such size as to cover the back and hips of a normal sized person, rigid means extending from the edges of the member and in the plane thereof for fitting under the arms of a person and handles extending from the member adjacent the lower portion thereof.

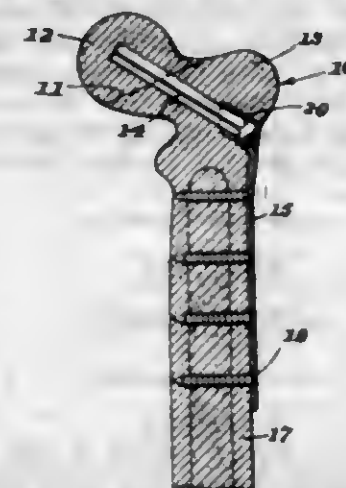
2,628,614

FRACTURE SECURING DEVICE

Henry Briggs, East Orange, N. J.
Application May 7, 1951, Serial No. 225,023
3 Claims. (Cl. 128-92)

1. A surgical device for internal fixation of a fracture including in combination, a fracture nail, a plate having a tubular arm extending laterally therefrom, said tubular arm when the fracture nail is inserted into a fractured bone to hold the fragments together, arranged to be employed in the bone and enclose the nail head, said tubular arm having a slot in the wall thereof, a detachable stop member arranged to be positioned in said tubular arm and abut the end of the fracture nail, said stop member having a lug

insertable in said slot for retaining the same in a fixed position, and means for detachably



2,628,615

HYPODERMIC INJECTION DEVICE

Jacob A. Saffir, Forest Hills, N. Y.
Application December 28, 1949, Serial No. 135,380
6 Claims. (Cl. 128-216)



1. An ampule comprising a closed tubular glass container, having a restricted outlet portion adapted to be broken at its tip end, said ampule being filled with a liquid medicament, sufficient gas under pressure to eject said medicament when the ampule is opened, and an inert elastic mass floating on said medicament, said inert elastic floating mass being adapted to substantially seal the said restricted outlet portion against the passage of gas therethrough when the medicament has passed from the said container into the said restricted outlet portion.

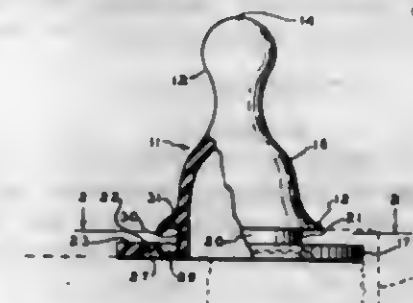
2,628,616

VENTED NURSING NIPPLE

Clark W. Ransom, Schenectady, N. Y.
Application December 26, 1951, Serial No. 263,338
9 Claims. (Cl. 128-252)

1. In a nursing unit including a wide mouthed nursing bottle centrally apertured bottle cap; a nursing nipple having a nursing tip, an enlarged body and a radially extending flange, said body having a reduced neck at the cap aperture of a diameter substantially equal to the diameter of the cap aperture, the height of said neck being substantially equal to the cap thickness

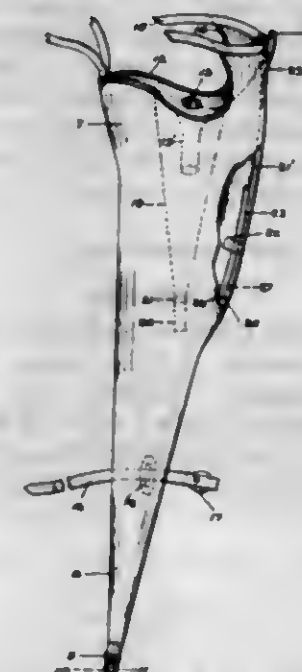
thereby providing a snug fit of said body in the cap, said reduced neck having a recessed groove therein extending from below the cap aperture providing a passage to the atmosphere, a thin walled diaphragm in said radially extending flange substantially U-shaped in outline having its bight connected to said passage and having its legs extending outwardly toward but stopping short of the edge of said flange, said flange



2,628,617

PORTABLE URINAL

James F. Wright, Palo Alto, Calif.
Application August 31, 1950, Serial No. 182,552
1 Claim. (Cl. 128-295)



A urinal of the character described adapted to be worn by a person embodying in its construction an elongated receptacle formed of a flexible water-proof material and adapted to be vertically positioned on the wearer, said urinal being formed with an enlarged covered top portion and tapering therefrom to a reduced open ended bottom portion, the said covered top portion being formed with an inlet opening therein for receiving the urine, an inwardly tapered auxiliary receptacle provided within the urinal, said auxiliary retainer extending downwardly from said top covering and around the inlet opening therein and adapted to receive urine passing through said inlet opening, means for venting the urinal, said means including two tubes of different lengths provided within the urinal and se-

cured to the wall thereof, means closing the bottom of said tubes, the portion of the bottom closing the shorter tube having a reduced opening therein, the walls of both tubes having an opening providing communication from one tube to the other, the tube of the greater length extending upwardly to a position outside of the tube, means for removably securing the upper portion of the urinal to the waist of the wearer and means for removably securing the lower portion of the urinal to the limb of the wearer.

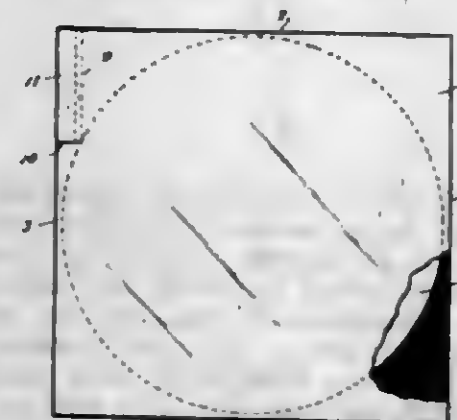
2,628,618
FILING DEVICE

Abraham S. Karper, Ellenville, N. Y.
Application May 18, 1945, Serial No. 594,424
3 Claims. (Cl. 129-16)



1. A rotary filing device comprising a base, a polygonal shaft mounted for rotation on the base, a flat plate having one face of the inner edge portion thereof covering the surface of each face of the polygonal shaft and secured thereto, the major portion of each plate projecting outwardly beyond the outer edge of the corresponding face of the polygonal shaft and disposed in the same plane as the respective face of the polygonal shaft whereby two adjacent plates coact to form a file receiving compartment therebetween, said compartments extending circumferentially of the shaft and being open at their outer ends, and file retention means arranged in each compartment.

2,628,619
JACKET FOR PHONOGRAPH RECORDS
Rudolph A. Froehlig, Little Neck, N. Y., assignor to Modern Record Albums, Inc., College Point, N. Y., a corporation of New York
Application June 12, 1952, Serial No. 293,191
4 Claims. (Cl. 129-16.7)



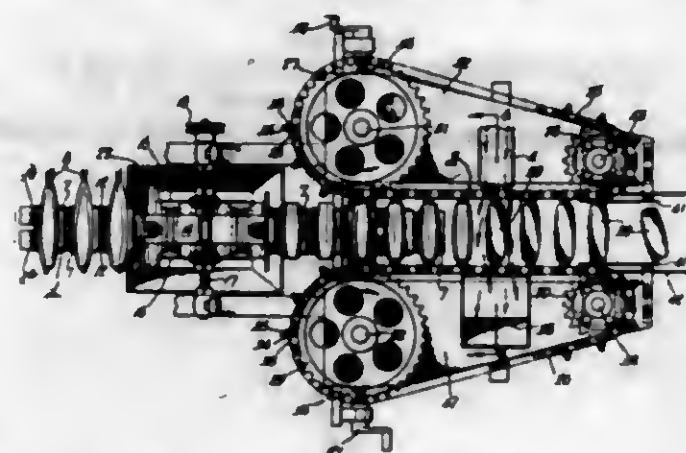
1. A phonograph record jacket comprising two substantially square sheets of cardboard arranged back to back, the outside surfaces of said sheets being covered with plies of cover paper which extend over and around the edges of said sheets on three sides of the sheets and serve to bind and seal those edges, leaving unbound edges on the fourth side, said cardboard sheets having superimposed notches formed therein

extending inwardly from one sealed edge and terminating at points spaced from an adjacent sealed edge, and said cardboard sheets and plies of cover paper having superimposed slits formed therein extending inwardly from said adjacent sealed edge to the inward end of said notches, thereby forming a tab which is flexibly hinged to the remainder of the jacket by the plies of cover paper.

2,628,620

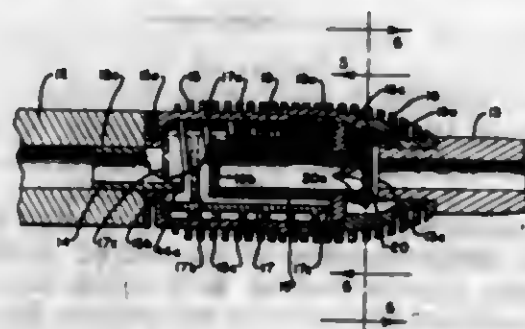
WITHDRAWN

2,628,621
METHOD AND APPARATUS FOR HUSKING CORN EMPLOYING AN AIR BLAST
John P. Murdoch, Ardmore, Pa.
Application February 12, 1948, Serial No. 7,868
3 Claims. (Cl. 136-5)



3. The method of removing husks and silk from ears of green corn which comprises: supporting the ears between their ends, moving the ears while so supported through a cut-off station and simultaneously cutting off the two opposite ends of the ears therein, thereafter removing the support from between the ends of the ears of corn and supporting them instead by their debudded ends, moving the ears while supported by their ends to a husking station, and blowing air under pressure axially against opposite ends of the ears while supported by their ends for stripping the husks and silk therefrom.

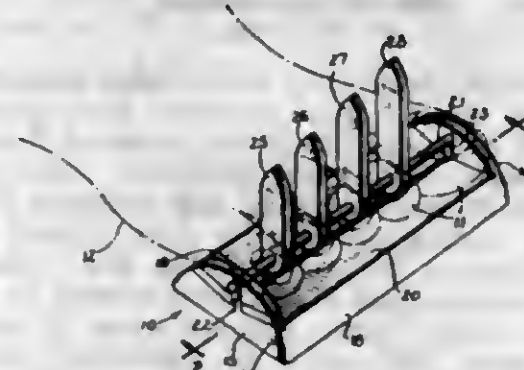
2,628,622
SMOKING PIPE
Robert Lequeux Smith, San Diego, Calif., assignor of one-sixth to William H. Dean and one-sixth to A. B. Bowman, both of San Diego, Calif.
Application April 3, 1946, Serial No. 659,352
1 Claim. (Cl. 131-194)



In a smoking pipe of the class described, the combination of a bowl shank member and a stem member, heat exchanger casings connected together in telescopic relationship and intercon-

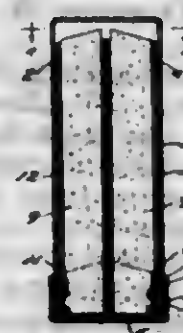
necting said stem member and said bowl shank member, an internal heat exchanger member in said heat exchanger casings having a partition therein and hollow cylindrical portions extending at opposite sides of said partition longitudinally of said heat exchanger casings, said internal heat exchanger member having externally helically disposed screw threaded portions adjacent the walls of said heat exchanger casings, one of said heat exchanger casings having a smoke inlet portion at one side of the partition of said internal heat exchanger member, a filter casing having an open end positioned in said internal heat exchanger member at the opposite side of said partition, a basket in said filter casing having a vented end and an open end adapted to contain filtering tobacco therein, and a cover for said filter casing at the open end thereof near the open end of said basket, opposite ends of said internal heat exchanger member having notched portions therein communicating with the helical passage defined by said helically screw threaded portions, said filter casing extending inwardly of said internal heat exchanger member, and said filter casing having an external annular flange arranged to support the same in concentric relation with the interior of said internal heat exchanger member.

2,628,623
PEDICURE DEVICE
Patricia Reid, Chicago, Ill.
Application August 27, 1952, Serial No. 306,693
3 Claims. (Cl. 132-73)



1. A toe-spreader, which comprises a toe support provided with upright end portions and a trough portion extending therebetween, a rod supported by the end portions and extending above and along the trough portions, and at least four fingers of progressively increasing length mounted pivotally and slidably on the rod.

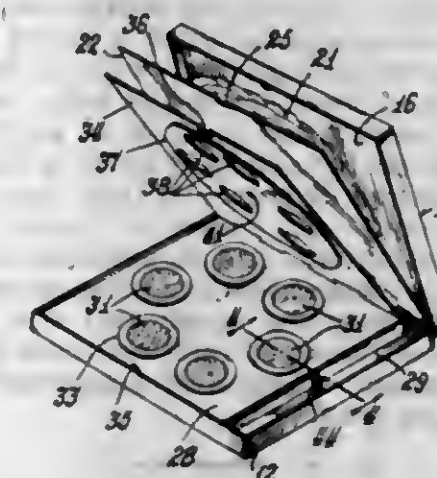
2,628,624
LIPSTICK ASSEMBLY
Joseph De Mario, Audubon, N. J.
Application December 1, 1950, Serial No. 198,646
2 Claims. (Cl. 132-79)



1. A lipstick assembly comprising a casing having one end open and its opposite end closed,

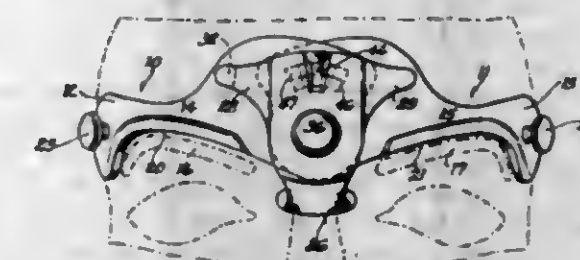
crayon containers sector shaped in cross section forming when assembled together a cylindrical unit in the casing, each container having a longitudinal slot, each container having a closed bottom with upwardly extending spaced curved flanges frictionally engaging the casing, crayon holders in the containers having finger pieces extending through the slots and received in the spaces between flanges of the bottom to form with the flanges a cylindrical wall around the inner end of the casing.

2,628,625
VANITY
Merriom B. Pike, New York, N. Y., assignor to Russell M. Seeds Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1951, Serial No. 248,187
10 Claims. (Cl. 132-79)



1. In a vanity, the combination of a housing having a platform therein provided with a plurality of openings spaced in a circle, a cosmetic cup seated in each opening, a panel overlying said platform and provided with openings one in register with each cosmetic cup, and a plate mounted for rotation on said panel, said plate having a single opening therein adapted to uncover selectively the various cosmetic cups.

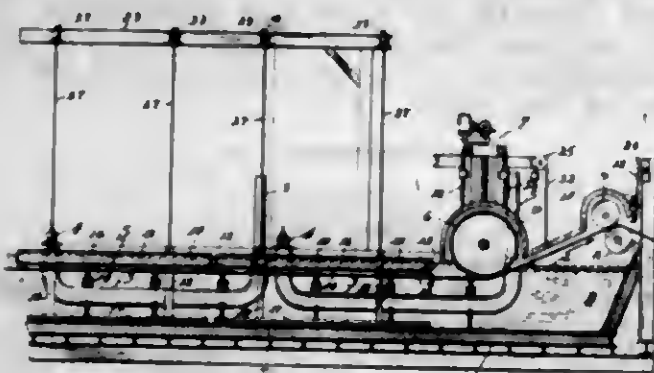
2,628,626
COSMETIC MAKE-UP TEMPLATE
Gaston Quentin Teillaud, West Chicago, Ill.
Application October 23, 1950, Serial No. 191,700
9 Claims. (Cl. 132-88.5)



1. A cosmetic appliance of the class described comprising in combination a pair of stylus-guiding members having a combined contour conforming to the configuration of the forehead and temples, each member of the pair being adapted to lie above an eye, and each member having a predetermined curvilinear stylus-guiding edge substantially coextensive with the eyebrow to be lined, and a pivotal connection having an antero-posterior axis centrally of the device and common to said members for permitting angular adjustment of the members.

2,628,627 APPARATUS FOR TREATING CONTINUOUS PRODUCTS

Ernest L. Huff, Tarentum, Pa.
Application August 9, 1947, Serial No. 767,712
7 Claims. (Cl. 134-104)

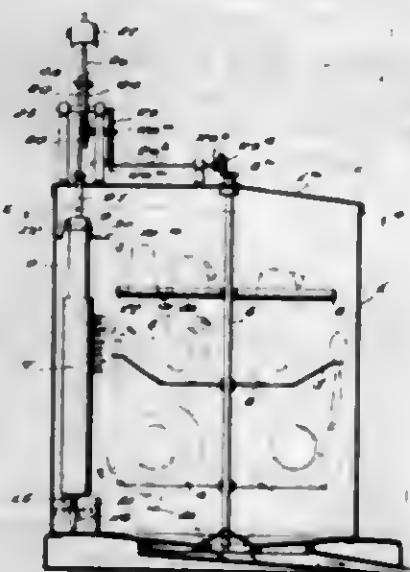


1. Metallurgical apparatus comprising in combination, a container including a liquid bath for treating a continuous product, with an incidental accumulation of sediment in the bath, means for guiding said continuous product in an immersed course of travel through said bath, a bath cover above said course of travel, a tray positioned in said bath below said course of travel for the reception of sediment, and means straddling said course of travel and extending between said cover and tray, whereby the cover and tray may be lifted in vertically spaced relation above said bath to provide for the removal of accumulated sediment from the tray.

2,628,628

SPRAY CONTROL SYSTEM FOR DISH-WASHING MACHINES

Jørgen Hertz, Copenhagen, Denmark; vested in the Attorney General of the United States
Original application November 22, 1938, Serial No. 241,833, now Patent No. 2,372,205, dated March 27, 1945. Divided and this application January 23, 1945, Serial No. 574,148. In Denmark November 26, 1937
7 Claims. (Cl. 134-146)



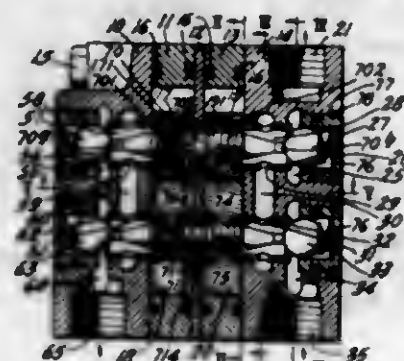
1. In a dishwashing machine for operation in connection with water from a water duct under pressure, the combination of a chamber for receiving the dishes to be washed; a movable frame in said chamber for supporting the dishes; a series of nozzles for spraying liquid under the pressure of said water duct onto the dishes supported on said frame; a cylinder provided with a plu-

rality of outlet openings; pipes connecting said openings with said nozzles, respectively; a plunger slidable in said cylinder, and having a conduit therein provided with a discharge outlet through the outer face of said plunger, the cylinder outlet openings and the said discharge outlet being so disposed that the conduit in the plunger is brought into communication with the said pipes successively, as the plunger slides in the cylinder; means for supplying to said conduit the liquid under pressure of said water duct; means independent of the water pressure for sliding the plunger in the cylinder, and means driven by said plunger-sliding means for moving said frame relative to said nozzles.

2,628,629

FLOW EQUALIZER VALVE

Clinton E. Deardorff, San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 3, 1949, Serial No. 91,145
4 Claims. (Cl. 137-99)



1. A motion-producing mechanism comprising: a pair of rotary fluid motors, the speeds of which are proportional to the rates of fluid flow therethrough; a control member; and means differentially responsive to the motions of said two fluid motors for moving said control member a distance proportional to the total differential movements of said two motors, in which said two motors have aligned axes of rotation coaxial with the path of movement of said control member, and said differentially responsive means comprises: means for coupling said control member to one of said motors for rotation therewith; and screw means intercoupling said control member and the other motor for effecting axial movement of said control member in response to a difference in the rotative speeds of said two motors.

2,628,630

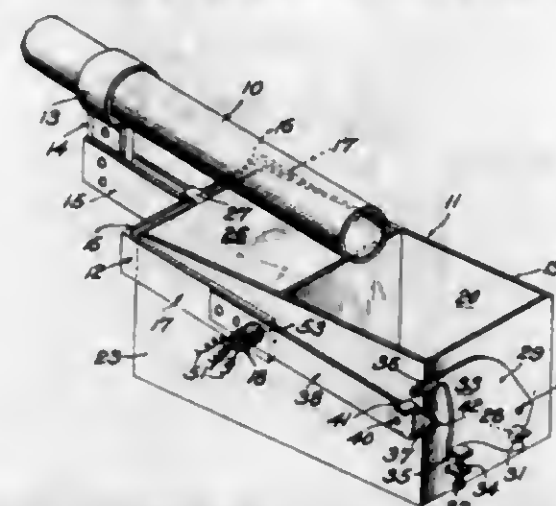
LIQUID CONTROLLED DEVICE WITH SELF-CLEANING VALVE

Calhoun Collins, Bakersfield, Calif., assignor of two-fifths to California Pacific Service, Inc., Bakersfield, Calif., a corporation of California, and one-fifth to Theodore M. Ryerson, Bakersfield, Calif.

Application January 30, 1951, Serial No. 208,498
8 Claims. (Cl. 137-395)

1. In a device of the class described having a support, a cup adapted to continuously receive some liquid discharging from an outlet, a control member mounting said cup on said support for downward movement under the weight of liquid therein, said cup having in the lower portion thereof a combined drain and flush-out outlet, a valve mounted on said cup to control the flow of liquid through said outlet, said valve being movable in one direction to fully open said

outlet for flushing it and being movable in another direction for restricting the flow through said outlet to provide a drain for the cup, means to limit the movement of said valve in the last mentioned direction toward its drain position, the conducting capacity of the outlet when said

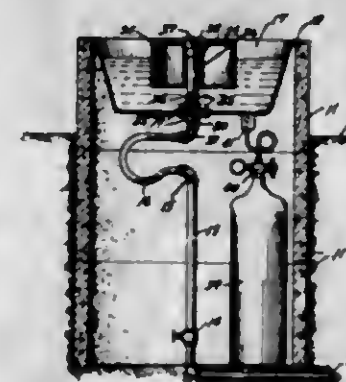


valve is in its drain position being insufficient to drain said cup until the flow of liquid into the cup dwindles to a predetermined extent, and trip means carried by said support and coacting with said valve to move it to open position for momentarily flushing said outlet each time said cup lowers under the weight of liquid therein.

2,628,631

LIVESTOCK WATERING DEVICE

Raymond J. Boyd, Arvada, Colo.
Application November 28, 1949, Serial No. 129,765
2 Claims. (Cl. 137-430)



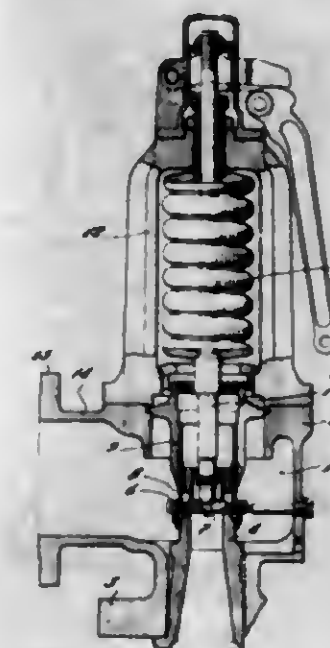
1. In a livestock watering device having a watering pan and a water supply conduit, valve means for maintaining a substantially uniform level of water in said pan, comprising: a flanged fitting secured to the bottom of said pan about a water supply opening in said bottom; a tubular valve housing mounted in said fitting and projecting upwardly therefrom over said opening; an annular valve seat member sealed to the walls of said fitting within and above the bottom of said housing; a circular valve stem guide member secured in said housing above said seat member, there being water discharge openings in said housing between said seat member and said guide member; a cap closing the top of said housing; a valve stem extending axially through said housing, said valve seat member, said guide member, and through said cap; a valve mounted on said stem below said valve seat member and positioned to close the latter when said stem moves upwardly; a terminal nut on the upper extremity of said stem above said cap to limit the downward movement of said stem; a spring abutment on said stem below said cap; a compressed spring surrounding said stem between said guide member

and said abutment and acting to resiliently support said valve against said seat member; a float; a central guide tube in said float surrounding said housing; and a closed top member in said guide tube resting upon the upper extremity of said valve stem, the weight of said float being sufficient to compress said spring and move said valve downwardly from said seat member.

2,628,632

SAFETY VALVE

Russell W. Dayton, Columbus, Ohio, assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc., Bridgeport, Conn., a corporation of New Jersey
Application April 9, 1946, Serial No. 660,650
6 Claims. (Cl. 137-469)



1. A pop safety valve for use with high pressure saturated vapor, said valve comprising a rigid annular seat, an upwardly movable valve head normally exposed at its underside to pressure fluid tending to lift it from the seat, and a loading spring arranged to exert downward force against the head thereby normally to keep the head seated, the head being free to lift from the seat except for the force exerted by the spring, the head comprising a rigid body capable of withstanding, without substantial distortion, the loads imposed by the pressure fluid and spring, the head comprising an annular flange which is joined at its root portion to the body of the head and which extends downwardly and inwardly with its free inner edge portion spaced below the body, the flange having a finished under surface for contact with the seat, the upper surface of the flange merging with the undersurface of the body of the head to form an annular channel which is filled with the pressure fluid when the valve is closed, the free edge portion of the flange being of lesser diameter than its root portion and so thin as rapidly to transmit heat from the pressure fluid within said channel to the seat-contacting surface of the flange.

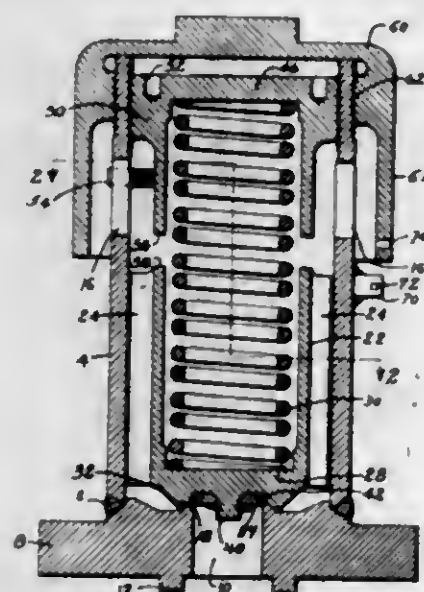
2,628,633

SAFETY VALVE

Clyde H. Folmsbee, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 9, 1947, Serial No. 767,742
1 Claim. (Cl. 137-469)

In a safety valve, a body member having a passage therethrough, a body valve seat sur-

rounding the upper end of said passage outwardly thereof, a valve reciprocable axially of the passage and having a seat engageable with said first named seat outwardly of the passage, resilient means normally holding said seats in engagement, an annular recess formed in the valve upwardly above said seat and adjacent thereto and outwardly beyond the inner marginal edge of the body valve seat, said recess being defined in part by a curved outer wall portion, a deformable annulus of circular cross section carried in said recess inwardly of the inner edge of said valve seat, the outer wall portion of said recess having a radius approximately the same as the radius of a cross section of the annulus and at least as great as said radius, and



means lightly engaging the lower inner portion of said annulus to hold the same in position in the recess of the valve and to provide therein a first chamber inwardly of the annulus, said annulus also engaging a portion of the body member inwardly of the engaging seats and defining with the valve and body member a second chamber outwardly of the annulus, and said annulus being shiftable laterally and downwardly under pressure along said curved outer wall portion and deformable into said second chamber and towards the cooperating surfaces of the body seat and valve seat to seal the same against leakage of fluid pressure in the passage when said seats are held in engagement by said resilient means.

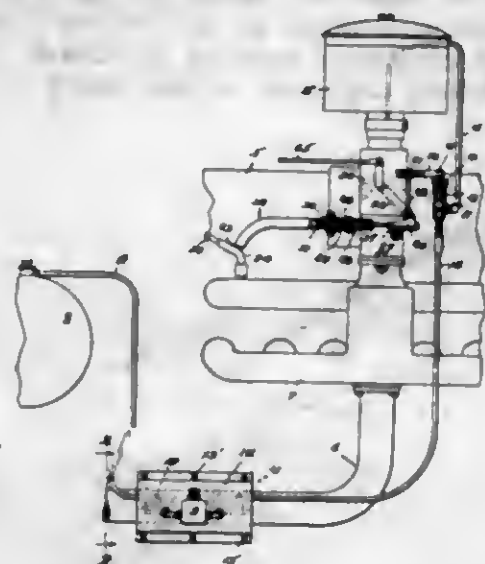
2,628,634

FUEL FEEDING DEVICE FOR INTERNAL-COMBUSTION ENGINES

Ray E. Glover, West Sacramento, Calif.
Application December 18, 1945, Serial No. 635,730
2 Claims. (Cl. 137-480)

1. An internal combustion engine butterfly valve operating mechanism embodying a valve operating lever connected to said butterfly valve, a manually controlled operating rod connected with the lever, means for supplying hydrocarbon materials to the internal combustion engine, including an auxiliary fuel discharge control valve, an arm connected to the auxiliary fuel charge control valve, a link connecting the arm and lever whereby movement of the lever operates the auxiliary charge control valve, a movable control block operated by suction of the engine, said block having an inclined surface over which one end of the lever moves moving the link and arm

operating said valves simultaneously, and means for biasing said block away from said lever closing

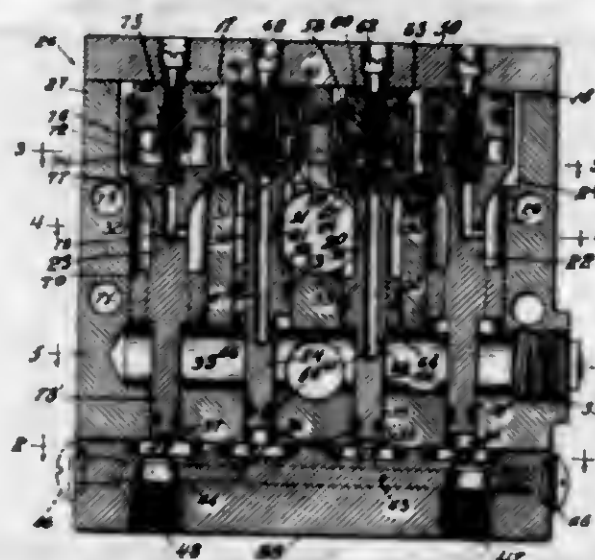


said auxiliary fuel controlling valve under normal engine running conditions.

2,628,635

HYDRAULICALLY ACTUATED SUPPLY AND EXHAUST VALVE SYSTEM

Robert Stevenson, Barrington, R. I., assignor to Merit Engineering, Inc., a corporation of Rhode Island
Application June 17, 1946, Serial No. 677,372
3 Claims. (Cl. 137-622)

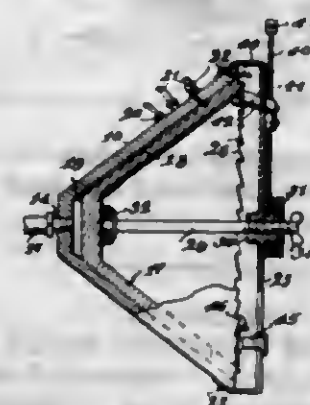


1. In a valve, a body having a pair of spaced chambers each provided with a service conduit extending therefrom, an inlet port, separate conduits connecting said inlet port to each of said chambers, a valve for controlling each conduit, each of said valves having oppositely disposed equal pressure areas exposed to fluid pressures controlled by said valve, an exhaust port, a second set of separate conduits connecting said exhaust port to each of said chambers, a valve for controlling each of said second set of conduits, each of said valves having oppositely disposed equal pressure areas exposed to fluid pressures controlled by said valve, resilient means for each valve urging said valve to closed position, hydraulic means to effect opening of the inlet valve to one chamber and the exhaust valve from the other chamber, said exhaust valve resilient means being weaker than the inlet valve resilient means to cause the exhaust valve to open prior to the opening of the inlet valve when subjected to the action of said hydraulic means.

2,628,636

ROTARY CONTROL OIL OR GREASE DISTRIBUTOR

William D. Brockman, Pomeroy, Wash.
Application October 1, 1948, Serial No. 52,313
1 Claim. (Cl. 137-627)

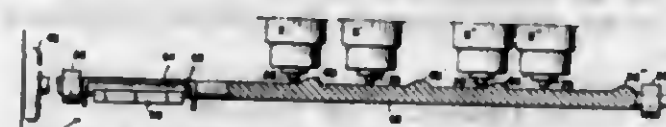


An apparatus of the character described comprising an outer conically shaped member, an inlet pipe at the smaller end of said outer member, a plurality of outlet pipes connected to the outer member in spaced axial relation, a conically shaped inner member revolvably mounted in close alignment within said outer member and having a groove extending longitudinally in the outer side thereof from the smaller end thereof to a point adjacent the larger end thereof and having a series of teeth formed in its larger end, adjustable tensioning means for holding the inner member in engagement with the outer member, said means comprising a bracket mounted on the outer member and extending transversely across its larger end and a bolt threaded in said bracket and bearing against said inner member, and a handle revolvably mounted on the bracket and having a pawl affixed thereto for selective engagement with said teeth.

2,628,637

SELECTIVE TYPE OPERATOR FOR MULTIPLE VALVE ASSEMBLIES

Irene P. Pedrick, Ardmore, Pa., assignor to Sellers Injector Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 1, 1949, Serial No. 96,587
2 Claims. (Cl. 137-635)

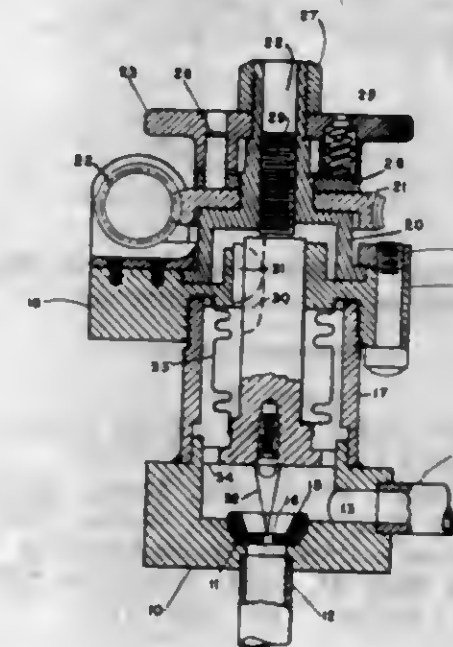


1. In combination, a plurality of cam operated valves, a slidably and rotatably mounted rod and a plurality of cams on the rod, each cam being adapted to operate a valve, a pin guideway parallel to said rod and a pin secured to said rod perpendicular to its axis and adapted to fit in said guideway so as to place said cams in position to operate the valves when the rod is slid, said guideway having an opening at each end to permit rotation of said pin out of one end of said guideway and said cams out of alignment with said valves and to permit rotation of said pin into the other end of said guideway and said cams into alignment with said valves whereby the rod can be reset at the end of a cycle of operation without camming the valves open.

2,628,638

FLOW VALVE CONTROL

Newton S. Herod, Smyrna, and Louis R. O'Neill, Fairmont, W. Va., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 1, 1946, Serial No. 651,284
3 Claims. (Cl. 137-747)



1. In an apparatus of the class described, a hollow valve body member, a base element rigidly affixed to a first end of said body member, an inlet conduit and an outlet conduit communicating with the interior of said body member through said base element, an apertured replaceable valve seat mounted in said base element centrally of the axis of said body member and adapted to be replaced through the second end of said body member, a valve stem mounted for reciprocable and non-rotatable movement within said body member and having a threaded extension at one end, a replaceable valve spaced from said body member and separately attached to said stem for coaction with said valve seat, a rotatable closure means removably mounted at the second end of said body member and enclosing said valve stem, said closure means having an interiorly threaded surface engaging the threaded extension of said valve stem, a flexible bellows mounted at one end upon said valve stem and at the second end upon said body member and means keying said stem to said non-rotatable body member interiorly of said bellows and adjacent the closure means thereby to relieve the bellows of stress and to prevent rotation of said valve stem and valve while preventing leakage along said valve stem.

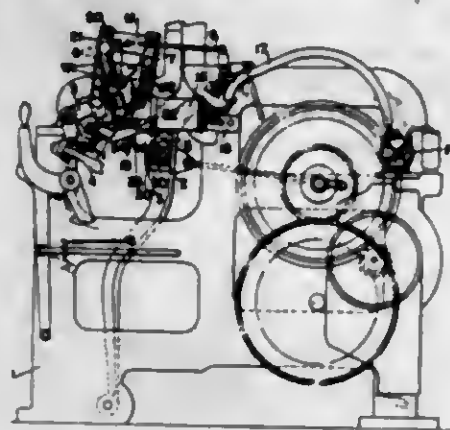
2,628,639

THREAD HOLDER FOR LOOMS

Thomas J. Kiely, West Boylston, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 12, 1951, Serial No. 225,991
16 Claims. (Cl. 139-247)

1. In thread holder mechanism for two groups of weft ends extending from a reserve bobbin magazine, a hollow thread collector in which subatmospheric pressures exist, a tube extending forwardly from said collector and formed with an air and thread intake mouth for one of said groups of weft ends, and a second tube extend-

ing forwardly from said collector and having an air and thread intake mouth for the other group

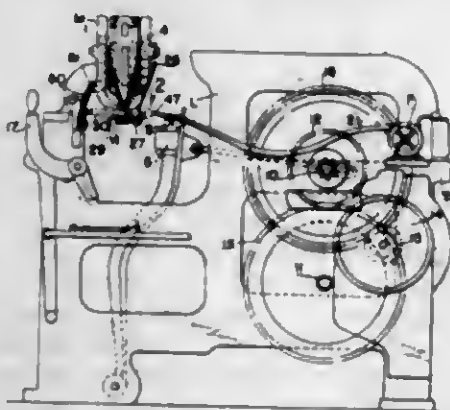


of threads located above and intermediate the first mouth and said thread collector.

2,628,640

PNEUMATIC THREAD HOLDER FOR WEFT REPLENISHING LOOMS

John T. Kennedy, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 31, 1951, Serial No. 229,015
9 Claims. (Cl. 139-247)



1. In a pneumatic thread holder for the weft ends of a weft replenishing loom provided with a source of compressed air, an elongated tubular member open at each end thereof and having a thread intake mouth for the weft ends intermediate the ends thereof, and an injector tube pneumatically connected to said source extending into one end of said tubular member spaced from the latter and having an air outlet nozzle opening toward the other end of the tubular member located intermediate said intake mouth and said one end of the tubular member effective when discharging air from said source into said tubular member to draw air from the atmosphere surrounding said one end of the tubular member into the latter to increase the flow of air within the tubular member past said intake mouth beyond that derived from the injector tube.

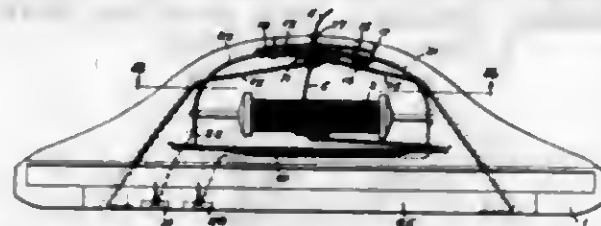
2,268,641

WEFT DETECTOR FOR LOOMS

Samuel F. Stelliano, Westerly, R. I., assignor to George C. Moore Company, Westerly, R. I., a corporation of Rhode Island
Application October 24, 1951, Serial No. 252,893
15 Claims. (Cl. 139-371)

1. In a narrow fabric loom having a stop motion, in combination, a bow shuttle, weft tensioning means and a delivery eye and a guide on the shuttle, an electrical contact on the shuttle periodically grounded on the loom frame, and a contact maker held out of engagement with the

contact so long as the weft maintains a predetermined degree of tension in its extent between the delivery eye and the guide, the contact maker



energizing the stop motion when it engages the contact while such electrical contact is grounded on the loom frame.

2,628,642

METHOD OF MAKING WIRE LATH

Raymond F. Stockton, Sunland, Calif., assignor to Ray F. Stockton Wire Products Co. Inc., Burbank, Calif., a corporation of California
Application May 20, 1948, Serial No. 28,235
2 Claims. (Cl. 140-3)



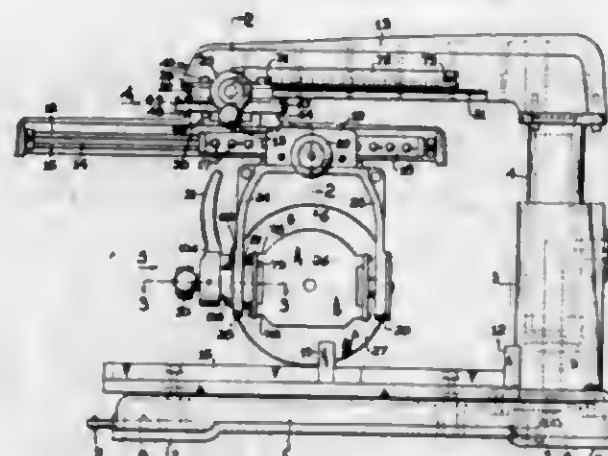
1. The method of forming wire lath comprising feeding a pair of wires along and in parallel side by side relationship, holding the wires stationary at a first point, confining the wires together at a second point spaced in advance of the first point while moving the portions of wires forwardly of the second point toward the first point and simultaneously moving the portions of the wires between the points outwardly with respect to one another to permanently deform the wire and form convolutes or sinuosities in the wires, then releasing the wires at the first point and moving the wires forward while causing portions of the wires forwardly of said first point to overlap, and spot welding the overlapped portions together.

2,628,643

WOOD SAWING MACHINE

John Everette Tompkins, Cleveland, Ohio, assignor of 30/100 to Ralph R. Roemer and 35/100 to Louise E. Roemer, both of Cleveland, and 25/100 to William R. Kiefer, Gate Mills, and 10/100 to said J. Everette Tompkins, Cleveland, Ohio

Application July 31, 1948, Serial No. 41,835
11 Claims. (Cl. 143-6)



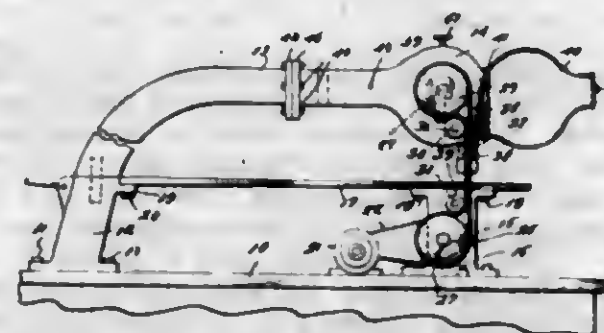
1. In a machine tool of the type comprising a main base, a work table on the base, an arm sup-

ported by the base and overhanging the worktable, and a horizontal trackway supported on the arm for rotation in horizontal planes by a pivot bearing construction having a vertical bearing axis at an intermediate portion of the trackway; an improved pivot bearing construction comprising a horizontal plate element secured to an upper portion of the trackway, and having a circular peripheral portion carrying an indicating scale and provided with a vertical central first bore, and having on its upper side an annular planar horizontal first face; horizontal guideways on opposite sides of the arm; a head bridging the guideways and shiftable therealong; the head having on its underside an annular planar horizontal second face confronting the said first face, and having a coaxial vertical second bore therein; a pin having a vertical body telescoped through the first and second bores; a flange on its upper portion supported by an upper portion of the head, and a nut threaded on its lower portion below the plate element; a laterally extending handle on the nut for turning it to clampingly draw the head and plate element together between the flange and nut, to lockingly engage the first and second faces, in different rotated positions of the trackway and plate element; the pin projecting through and beyond a transverse portion of the trackway; a washer surrounding the lower portion of the pivot pin below the said transverse portion; the pin and washer having engagable surfaces preventing rotation of the pin in the washer; the washer provided with an arcuate concentric aperture therethrough; a screw projected through the aperture and threaded into the said transverse portion to clamp the washer thereto, in adjusted rotational positions of the pin and washer relative to the said nut; and a scale pointer for the said scale, mounted on the head adjacent to the scale on the plate element.

2,628,644

SHEAR CUT BAND SAW

Arthur B. Elbon, St. Petersburg, Fla.
Application September 27, 1950, Serial No. 187,038
1 Claim. (Cl. 143-17)



An apparatus of the character described including a saw table having an opening there-through, a head, a guide roller above said table, a guide roller below said table, an endless band saw entrained over said guide rollers and having its vertically extending portions in close alignment in those portions thereof above said table, and means for tensioning said saw upon said rollers and wheels, said means including a shaft for the upper guide roller, a support block vertically slidable in said head, said shaft extending through said support block, a bracket extending from one side of said head, a follow block abutting said support block and mounted upon said bracket, a set screw extending horizontally through said bracket and bearing against the outer side of said follow block, a screw extending through said shaft and threaded to said follow block, and a compression spring surrounding said screw between said follow block and said shaft.

2,628,645

RECIPROCATING LOG SAW WITH CABLE DRIVEN CARRIAGE

Daly P. Andrews, Mountain Grove, Mo.
Application March 29, 1948, Serial No. 17,730
3 Claims. (Cl. 143-61)

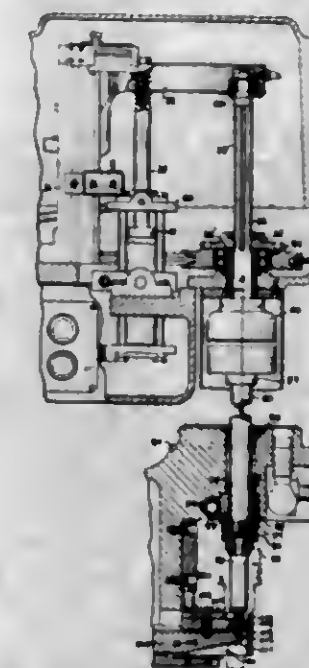


1. A power driven logging saw comprising an elongated rectangular housing having an open side, parallel rails mounted within said housing adjacent to and at opposite sides of the open side thereof, a carriage mounted for reciprocating movements along said rails, one side of said carriage projecting through said open side and slightly beyond the housing a saw blade secured to the projecting side of the carriage and extending longitudinally of and parallel to the outer side of said housing, a shaft journaled transversely of said housing adjacent the rear end thereof, a pair of spaced drums mounted for free rotation on said shaft, a clutch element interposed between said drums and slidably splined on said shaft, other clutch elements carried on the opposite faces of said drums for cooperation with the interposed clutch element to affect alternate rotation of the drums, a second shaft bracketed transversely within the opposite end of said housing, a pulley rotatably mounted on said second shaft, a cable having one end secured to one of said drums and its other end to the near side of said carriage, a second cable secured at one end to the other of said drums and trained about said pulley with its other end secured to the opposite side of said carriage, means for applying power to the first named shaft, and means for automatically shifting said clutch element at the end of each directional movement of said carriage.

2,628,646

DRIVING AND ALIGNING MEANS FOR POWER-OPERATED TOOLS

Roy W. Bailey and John T. Faull, Detroit, Mich., assignors to Detroit Power Screwdriver Company, Detroit, Mich., a corporation of Michigan
Application June 30, 1949, Serial No. 102,344
6 Claims. (Cl. 144-32)



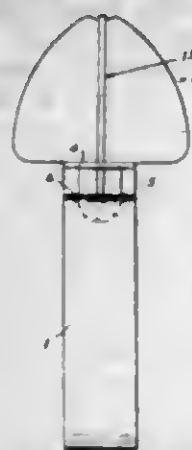
1. A two-stage spindle assembly comprising a

driving spindle, a driven spindle aligned therewith and movable axially thereof, a frictional member carried by one of said spindles and having a slip driving connection with the other spindle, and complementary clutch elements carried by said spindles and engageable with each other on relative movement of the spindles toward each other, a dog mounted non-rotatably adjacent to said driven spindle, and a stop member carried by said driven spindle and engageable with said dog.

2,628,647

FRUIT AND VEGETABLE REAMING AND JUICING DEVICE

Frank D. Rohmer, San Francisco, Calif.
Application January 21, 1949, Serial No. 71,963
10 Claims. (Cl. 146-3)



2. A fruit and vegetable reaming and juicing device comprising a pair of flat blades arranged on intersecting planes along a line bisecting each of the blades, an elongated handle, means for removably securing said blades to one end of said handle and in releasable interlocking relationship on said handle with said handle coaxial with said line, each of said blades outwardly of said handle being symmetrical at opposite sides of said line and of corresponding outline in which each is formed with a relatively wide base edge extending perpendicular to said line at the end of said handle and convergently extending convexly curved edges extending from the ends of said base edge away from said handle toward a point on said line with the edges of each blade at said point extending reentrantly into each blade to provide outwardly opening recesses in said blades on said line at their apices for engagement of the edges of the blades along said recesses with a fruit or vegetable when said blades are secured on said handle

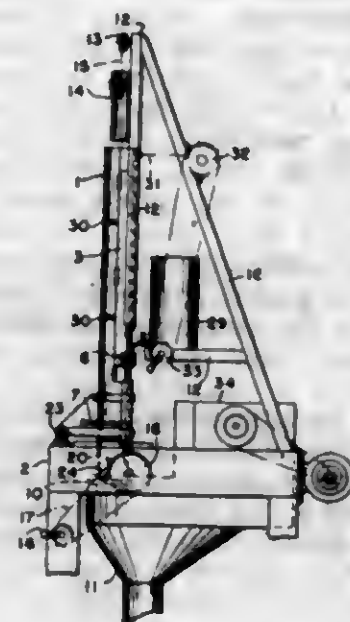
2,628,648

TILTABLE FEED FOR FRUIT AND VEGETABLE CUTTING MACHINES

Eugene Robert Jagenburg, Brooklyn, N. Y.
Application May 26, 1949, Serial No. 95,409
1 Claim. (Cl. 146-6)

In a device for feeding fruits into a receptacle provided with cutters, an open ended vertical feed tube, means adjacent one end of the tube to tilt said feed tube into a horizontal position for the purpose of charging the fruits into the same and into a vertical position to feed the charged fruits from the tube into said receptacle, the receptacle and the feed tube having substantially the same diameter and being coaxially aligned in the vertical fruit feeding direction, a closure slide in the lower end of said feed tube adjacently located to said receptacle, a cylindrical slide weight having a diameter substantially equal to the inner diameter of said feed tube

located on top of the upper open end thereof and adapted by cable suspension to be lowered into said feed tube and a lubricant containing vessel

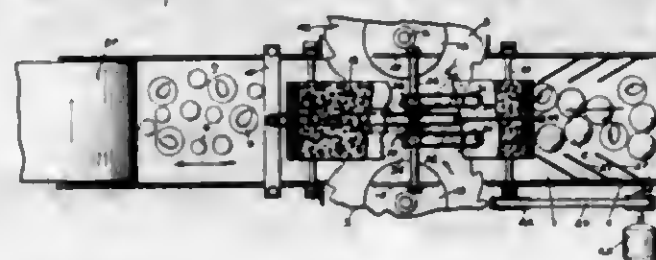


on top of said weight having holes in the side wall to introduce the lubricant between said weight and the inner wall of said feed tube.

2,628,649

METHOD OF AND APPARATUS FOR SLICING DRUPE HALVES

Frank A. Wool, San Jose, Calif.
Application September 16, 1949, Serial No. 116,017
8 Claims. (Cl. 146-241)



1. The method of slicing drupe halves that comprises the steps of, supporting a plurality of said halves for movement along a horizontally extending path of travel with some of said halves having their cut faces directed upwardly and the remainder having their cut faces directed downwardly, cutting said halves into a plurality of slices in spaced planes parallel with said cut faces during said movement, and holding said halves against movement out of positions in which their cut faces are in planes parallel with said path at all times during said cutting of said halves.

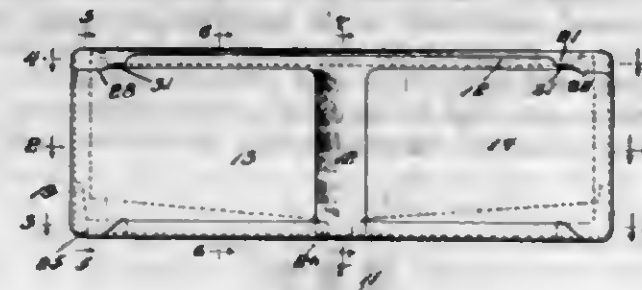
2,628,650

WALLET FROM ONE-PIECE OF MATERIAL

Arthur S. Silva, Taunton, Mass., assignor to Swank, Inc., a corporation of Delaware
Application January 8, 1952, Serial No. 265,371
5 Claims. (Cl. 150-38)

1. A wallet formed of a single piece of material comprising a back wall, a second wall fastened to and folded upwardly from the lower edge of the back wall, said second wall being slitted from its outer ends inwardly parallel to the direction of said fold between longitudinal edges of the second wall to provide a lip extending along the lower edge of the back wall, and front wall sections folded inwardly from the ends of the

back wall to extend over the major portion of the second wall and with one edge portion there-

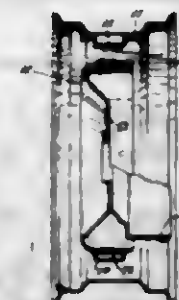


of extending between the lip and back wall, and means to secure the front wall sections to the lip.

2,628,651

WHEEL FOR AUTOMOTIVE VEHICLES

Philo G. Gilbert, Portland, Oreg., assignor to Gilbert Wheel, Inc., Portland, Oreg.
Application January 3, 1951, Serial No. 204,235
5 Claims. (Cl. 152-75)



5. A supporting wheel for an automotive transport vehicle comprising a hub-structure and an encircling rim structure uniformly radially spaced from said hub structure, together with three or more suspension units equally spaced about said hub structure securing said hub structure to said rim structure, each of said units comprising a tension member strained tangentially of said hub structure between said hub structure and said rim structure, and compression means strained between said hub structure and said rim structure substantially parallel to said tension member, said compression means being adapted to maintain said tension member strained in its position between said hub structure and said rim structure.

2,628,652

PNEUMATIC TIRE AND METHOD OF MAKING SAME

Clifford B. Orr, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 26, 1949, Serial No. 112,579
16 Claims. (Cl. 152-354)



1. In the flat band process of making a pneumatic vehicle tire wherein annular layers of cord ply material are supported on a substantially cylindrical shaped form and inextensible circular

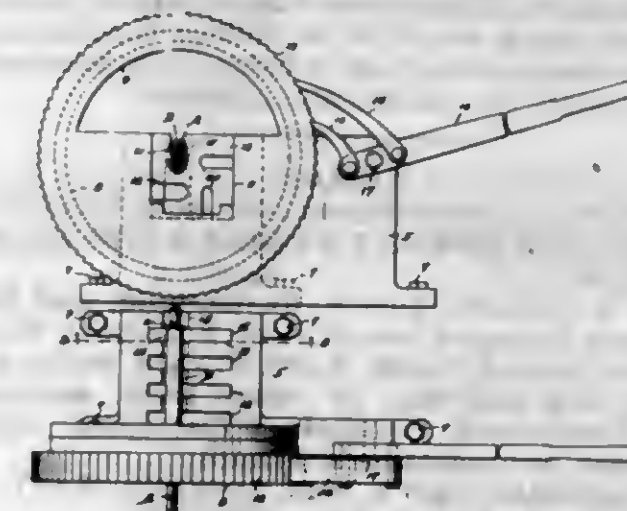
bead cores and the supported ply material are adhered together, the improvement which comprises expanding the supporting form substantially to a predetermined diameter while maintaining the substantially cylindrical character of the central portion of the supported band to distend such central portion uniformly and simultaneously about its entire circumferential extent to an increased diameter to provide an internally supported substantially cylindrical tread rubber receiving surface, thereafter adhering together the bead cores and the ply material adjacent the ends of the distended central portion and applying tread rubber to said cylindrical surface of the distended central portion of the ply band while the latter is substantially cylindrical in shape, and completing the tire.

5. A tire comprising a plurality of layers of cord material, a pair of inextensible bead assemblies and a protective rubber covering, the marginal portions of the cord material layers being folded about the bead assemblies, all layers of each marginal portion being folded in the same direction, said cord material layers being of substantially the same width and having edges offset with respect to one another, at least one of said edges of each of the marginal portions being exposed to and covered by the rubber of the protective covering adjacent the beads, the exposed edges adjacent one of the beads being greater in number than adjacent the other bead, at least one of the layers having an edge adjacent said other bead overlapped and covered by a marginal portion of another layer.

2,628,653

WIRE ROPE SLEEVE TWISTING DEVICE

Delmar Charles Sherman, Chattanooga, Tenn.
Application June 23, 1950, Serial No. 169,830
2 Claims. (Cl. 153-78)



1. A sleeve twisting device for applying sleeves to ropes in forming fastener loops, comprising a body portion, said body portion having a main slot extending throughout the length thereof with its upper side open, the walls of the main slot having spaced vertical slots extending inwardly from the upper surface thereof, a rotary twisting member operating in a vertical plane, mounted at one end of the body portion, said twisting member having a slot extending inwardly from one edge thereof, formed with a guide slot in the wall thereof, rectangular inserts having slots of various widths, extending inwardly from the edges thereof, adapted to be positioned in the guide slots of the body portion and rotary twisting member with predetermined slots thereof in co-axial alignment with the main slot of the body portion, the aligning slots of

said inserts adapted to receive a rope and a sleeve mounted on the rope, and means for rotating the rotary twisting member twisting the sleeve and rope together while one end of the sleeve is held stationary in the body portion.

2,628,654

PROCESS AND APPARATUS FOR THE MANUFACTURE OF SPONGE RUBBER PRODUCTS

Sterling W. Alderfer, Akron, Ohio, assignor of three-tenths to Edward D. Andrews, Akron, Ohio

Application April 15, 1950, Serial No. 156,203
36 Claims. (Cl. 154-1)



1. The process of manufacturing a composite sheet of fabric and sponge rubber having a smooth, planished surface free of "pock marks" comprising the steps of supplying a mass of foamed latex containing a gelling agent and vulcanizing ingredients to a smooth surface, leveling off said mass to form a uniform layer of said latex and, while said layer is moist and before it has gelled, applying a fabric layer to the upper surface thereof, gelling the latex while in contact with the said smooth surface, and then vulcanizing the foamed layer by forcing heated air into contact with and through the foamed layer.

12. Apparatus for the manufacture of fabric backed sponge rubber products from foamed latex containing a setting agent, comprising a setting chamber and a vulcanizing chamber, a traveling belt moving through the setting chamber, means to form a layer of foamed latex of even thickness on the belt prior to its entrance into the setting chamber, means to apply fabric to the upper surface of said layer before the layer has set, and a conveyor to receive the fabric at the discharge end of the belt, said conveyor passing through the vulcanizing chamber.

2,628,655

APPARATUS FOR COATING AND UNITING TEXTILE CORDS TO FORM A WEFTLESS FABRIC

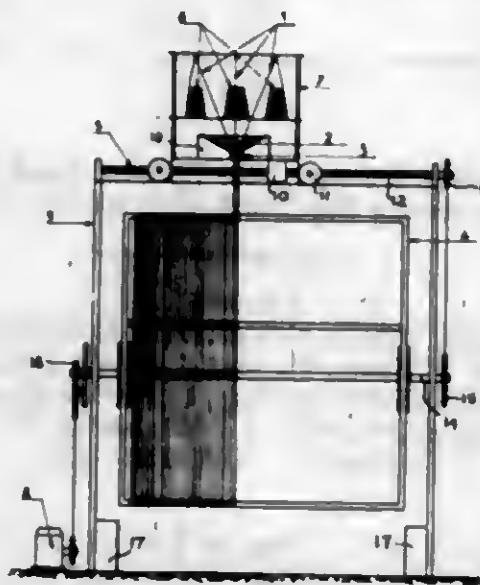
Emile V. Bitterli, Zurich, Switzerland, and Max Forrer, deceased, late of Paris, France, by Anne-Marie Jouve Forrer, Paris, France, widow and heir and guardian of minor heirs, assigns to Compagnie Generale d'Electricite, Paris, France, a corporation of France

Application July 8, 1948, Serial No. 37,673
In France August 28, 1940

8 Claims. (Cl. 154-1.75)

1. In apparatus for applying plastic material to textile threads and for binding said threads close together in parallel relation by means of said plastic material, a loading reel, a container containing liquid plastic material, a take-off reel having an axis, means comprising a frame for rotatably mounting said take-off reel beneath said loading reel and said container, means for reversibly rotating said take-off reel about said axis, a die-plate in the base of said container having therein an aperture for the passage thereof of a thread from said loading reel after its passage through said plastic material and for controlling the amount of plastic material carried by said thread upon leaving said container, said die plate and said means for rotatably mounting said take-off reel being so arranged that the said aperture of said die plate consti-

tutes the last guiding means traversed by said thread before it is wound on said take-off reel and said thread traverses a straight path directly from said aperture to its position on said take-off reel, a guide-way mounted on said frame for guiding said container and its said die-plate in a direction parallel to said axis, said guide-way being so positioned on said frame that a vertical line



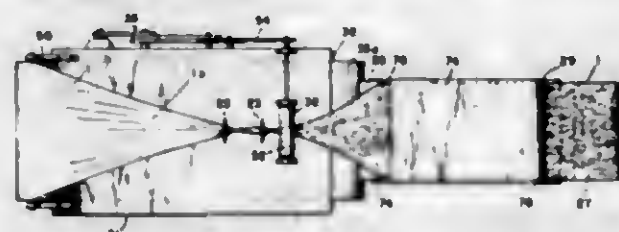
through said aperture of said die-plate is substantially tangent to the path of the periphery of said take-off reel as it rotates, whereby the path of said thread from said die-plate to said take-off reel is substantially vertical, and synchronous drive means for causing traversing movement of said container and its die-plate along said guide-way parallel to said axis in synchronism with the rotation of said take-off reel.

2,628,656

MANUFACTURE OF CREPED PAPER

Allan B. Stevenson, Attleboro, Mass., assignor to American Reinforced Paper Company, Attleboro, Mass., a corporation of Massachusetts

Application July 29, 1950, Serial No. 176,679
2 Claims. (Cl. 154-30)



1. Apparatus for creping a web of material to impart transverse stretchability, comprising a plurality of apertured dies through which the paper is drawn in succession, said dies having openings which are substantially circular in cross section and are substantially smaller than the flat width of the web and one of said dies having one opening which is smaller than the opening in another of said dies which precedes it, and means for drawing the web successively through the dies to compact the web laterally.

2,628,657

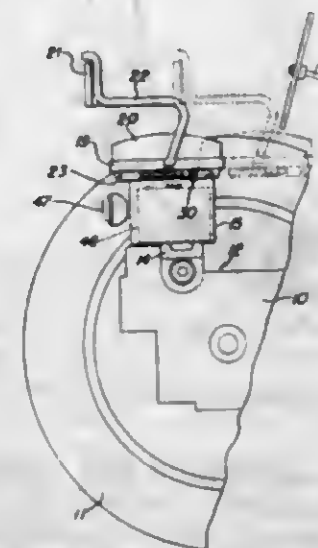
SEAT CONSTRUCTION, ESPECIALLY FOR TRACTORS

Harry C. Orrick, Jr., Cedar Falls, Iowa, assignor, by mesne assignments, to Deere Manufacturing Co., a corporation of Iowa

Application November 6, 1947, Serial No. 754,378
3 Claims. (Cl. 155-14)

1. A tractor seat construction, comprising supporting structure having an open top compart-

ment; means on said structure providing rail means; a seat carried on said structure over and normally closing said compartment and including rail means associated with and constrained for sliding movement on said structure rail means; one rail means having therein a plurality of latch-pin-receiving openings spaced along the path of sliding movement of said seat relative to said structure; latch means carried by the other rail means and including a spring-loaded retractable pin selectively receivable by and withdrawable from a selected opening to secure the seat in



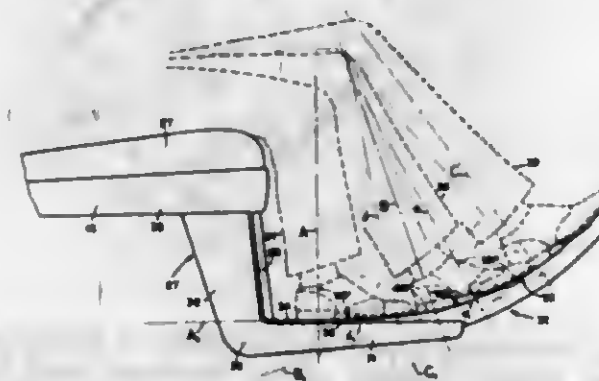
selected positions of adjustment; said structure rail means and seat rail means being of such relative length as to provide for sliding of the seat through a range in which the seat at times uncovers the compartment; and one-way stop means interengageable between the latch means and said one rail means within said range for positively limiting sliding of the seat in one direction to an extent in which the seat maintains its closure effect as respects the compartment but providing for sliding of the seat in the opposite direction to an extent sufficient to uncover the compartment.

2,628,658

DENTAL CHAIR FOOTREST

Edward J. Ries, Rochester, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of New York

Application August 15, 1952, Serial No. 304,575
4 Claims. (Cl. 155-27)



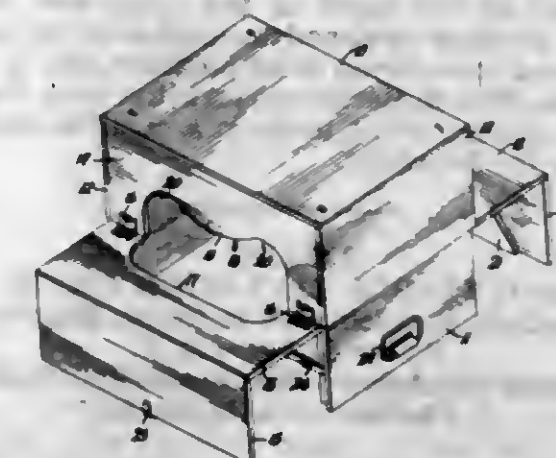
1. A chair, for dental patients, which has a seat with an articulated back and a foot rest conjoined with the seat, characterized by said foot rest having the major part thereof a substantially continuously curved geometrical surface generated by radii whose origins lie within the knee positions of patients when in said chair in normal seated positions, and whose lengths increase in accordance with longer patient-leg-lengths.

2,628,659

CONVERTIBLE FURNITURE ARTICLE

Charles R. Carpenter, Eden, N. Y.

Application January 17, 1951, Serial No. 206,455
7 Claims. (Cl. 155-41)



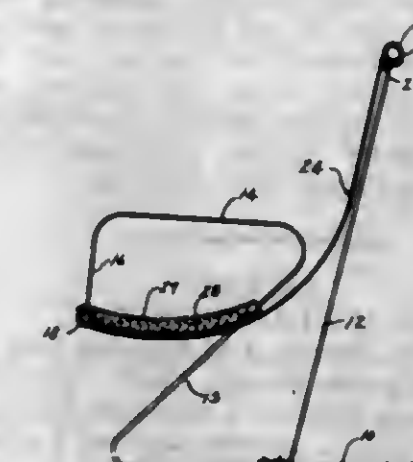
1. In a toy storage box convertible into a play table with a seat when unfolded and inverted, the combination comprising bottom, end, side and top walls, said top wall having a movable section adjacent one of said side walls, said one of said side walls having an upper section connected to said movable section of said top wall along the meeting edges of said sections thereby to form an angular member, means mounting said angular member for pivotal movement along the edge of said upper side wall section opposite from said meeting edges, said upper side wall section being recessed from its said opposite edge toward said meeting edges thereby to form an access opening in said one of said side walls, a closure member for said access opening and arranged on the inner side of said one of said side walls and pivotally mounted at its upper part on said upper side wall section, and means adapted to connect said closure member with said top wall section as a brace for said angular member when the same is unfolded as a seat member.

2,628,660

CHAIR AND SEAT AND BACK THEREFOR

David McDonald, Birmingham, Ala.

Application January 11, 1950, Serial No. 138,017
2 Claims. (Cl. 155-53)

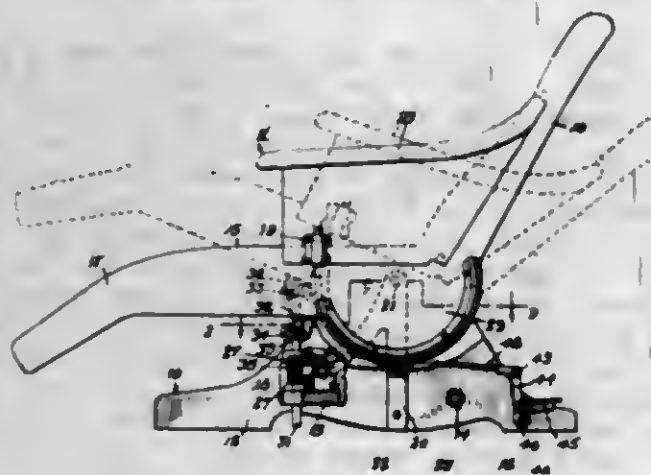


1. In a chair embodying base members connected to rearwardly disposed upwardly extending frame members joined adjacent their upper ends by a cross member and other frame members connected to said base members and joined by a cross member at the front of the seat portion of the chair, a seat and back structure comprising a sheet of flexible material having a bight in one end thereof and having a portion ex-

tending downwardly from the bight to form the back rest of the chair, said end carrying the bight being wrapped about the upper cross member, a cross rod in the bight having ends projecting past the edges of the sheet and engaging the forward sides of the rearwardly disposed frame members, an elongated bight extending from said back rest to the front of the chair and having an end portion wrapped around and secured to the second mentioned cross member, and a quantity of stuffing material cooperating with the second mentioned bight to form a cushion-like seat member for the chair.

2,628,661

ADJUSTABLE RECLINING CHAIR
Theobald Kluglein and Helmuth Kluglein,
Valley Stream, N. Y.
Application July 6, 1950, Serial No. 172,308
3 Claims. (Cl. 155-116)

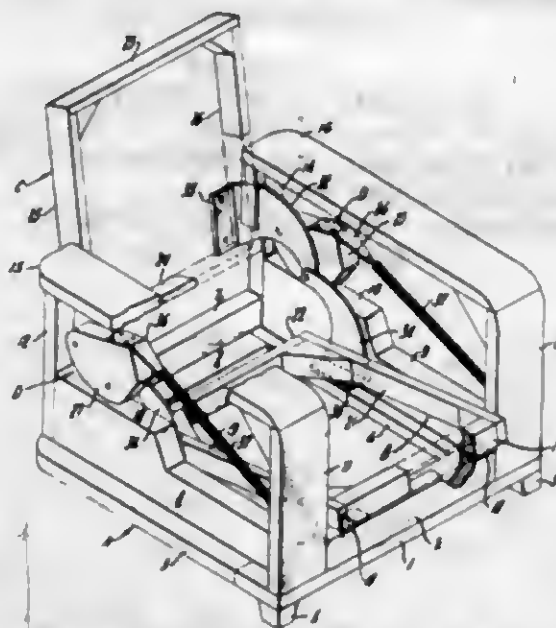


lengthening or shortening the extensible brace the seat may be tilted relatively to the supporting means and support objects on the seat in any adjusted position and in the course of adjustment of the seat the back rest will have its inclination relatively to the seat automatically varied.

2,628,663

RECLINING CHAIR

Joseph M. Jensen, Oakland, Calif., assignor to Amanda Jensen; C. Stanley Wood executor of said Amanda Jensen, deceased
Application October 27, 1947, Serial No. 782,308
4 Claims. (Cl. 155-116)



1. A reclining chair comprising: a main frame; a seat frame hinged at its forward end to the front of said main frame; a back frame hinged at its lower end to the rear end of said seat frame; and laterally opposed rockers in rolling contact with and supported by said main frame adjacent the sides thereof and movable in response to the movement of said seat frame for supporting said back frame to the rear of the axis about which said seat and back frames are hinged, said rockers being pivotally connected to the lower portion of said back frame.

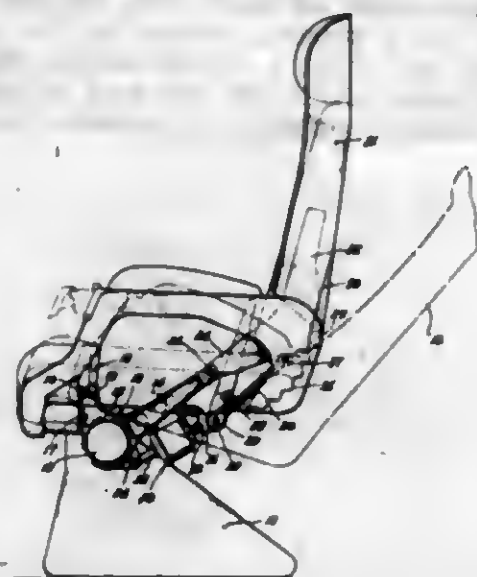
2,628,662

ADJUSTABLE CHAIR

Charles William Morris, Los Angeles, and Leonard A. Kent, Redondo Beach, Calif.; said Kent assignor to Doak Aircraft Company, Incorporated, Torrance, Calif., a corporation of California
Application March 20, 1947, Serial No. 736,052
4 Claims. (Cl. 155-116)

1. A chair having a supporting means, a seat tiltably mounted adjacent its forward end on the supporting means for tilting movement relatively thereto, a back rest, means pivotally supporting the back rest on the supporting means for tilting movement relatively thereto about a point adjacent the rear end of the seat, means providing an extensible brace between the supporting means and the rear of the seat, said ex-

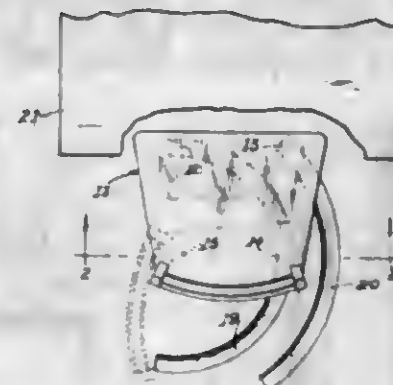
tensible brace being pivotally connected to the supporting means and to the rear of the seat respectively, and linkage pivotally connected to the extensible brace and to the back rest at a point spaced from the pivotal connection between the back rest and the supporting means whereby on



2,628,664

CHAIR ON TRACKS

Frank Thompson and Herbert E. Rothenbaum,
Denver, Colo.
Application January 20, 1950, Serial No. 139,592
3 Claims. (Cl. 155-124)

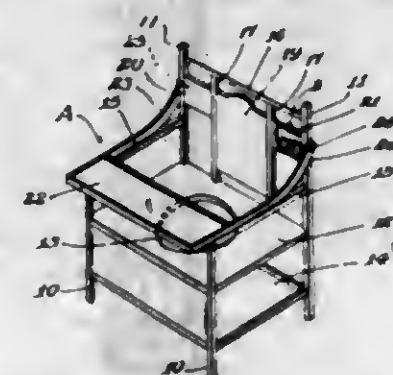


1. The combination with a chair having four legs and a table, closely adjacent to the chair, resting upon a supporting surface, of means for mounting said chair for movement from a position facing and partially underlying said table to a laterally facing position for receiving or discharging an individual, said means comprising a rotatable caster carried by each of said legs, a bearing member carried by said supporting surface and receiving the caster of one of the rear legs for mounting said chair for pivotal movement about the longitudinal axis of said one rear leg, means spaced from said bearing member and carried by said supporting surface providing a first arcuate track arranged concentrically of said longitudinal axis, said first track being spaced from said bearing member and receiving the caster of the front leg of said chair diagonally opposed to said one rear leg, and means spaced from said bearing member and carried by said supporting surface providing a second arcuate track disposed inwardly of and in spaced parallel relation with respect to said first arcuate track, said second track being spaced from said bearing member and receiving the casters of the remaining legs of said chair.

2,628,665

CHILD'S TRAINING CHAIR

Ruth G. Orlando, St. Paul, Minn.
Application November 4, 1948, Serial No. 56,287
5 Claims. (Cl. 155-126)

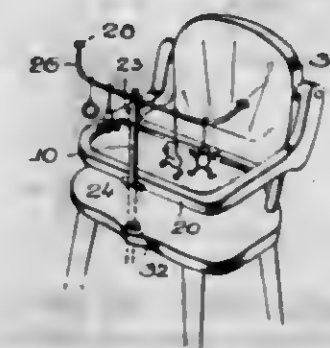


2. A training chair including a chair body, an arm supported by said chair body, a tray swingably supported by said chair body by means of said arm and swingable into or out of position forwardly of a child sitting on the chair, a music box supported by the chair body, a trigger for controlling the operation of the music box, a pivot movable with said arm supporting said tray, and a crank arm on said pivot engageable with said trigger for actuating the same.

2,628,666

TOY HOLDER AND GUARD MEANS

Harry Hall, Chicago, Ill.
Application April 18, 1946, Serial No. 663,058
1 Claim. (Cl. 155-128)

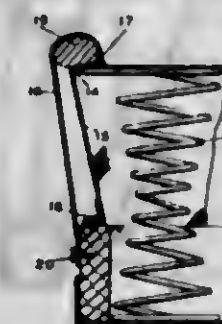


An infant's play chair comprising a chair, a tray, a rod hingedly attached to the center of the outer rim of said tray, a removable horizontally disposed means on the free end of said rod for supporting playthings therefrom over the said tray when said rod is in an upward position, a means in the center of said supporting means to lock it on the free end of said rod and an aperture in the outermost edge of the open seat portion of said chair in coincidental juxtaposition with the said hinged rod, whereby when the said rod is inverted it is insertable in the said aperture in the said seat portion of said chair and the said tray and said seat are in a locked juxtaposition when the horizontally disposed means is locked in position on said inverted rod end.

2,628,667

METHOD OF FORMING EDGE FOR OVERSTUFFED FURNITURE

Allen A. Stanton, Seattle, Wash.
Application September 16, 1947, Serial No. 774,321
3 Claims. (Cl. 155-184)

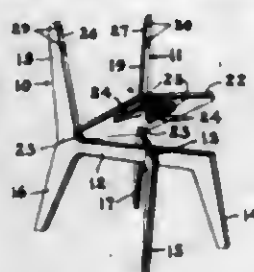


1. In the manufacture of overstuffed furniture having an inner spring frame of the character described, the improved method of covering the outer edge wire of said spring frame, which method includes providing an inner covering of material for said frame and securing said covering over said frame, attaching a flap to said covering along a line on the top of said frame near and substantially parallel to said edge wire, arranging a cushioning roll above said outer edge wire and said inner covering so that said roll will extend along said edge wire with the outer face of said roll overhanging said edge wire, pulling said outer flap over said cushioning roll and temporarily securing the free end of said flap below said edge wire and roll, and stitching obliquely through the top and front faces of said outer flap and said covering material along a line adjacent the inner edge of said roll, by means of staples passed obliquely under said edge wire, while holding said roll firmly against inward movement on the top of said frame during said stitching.

2,628,668

DEMOUNTABLE CHAIR

Gennaro J. Basile, Brooklyn, N. Y.
Application April 20, 1949, Serial No. 88,547
1 Claim. (Cl. 155—196)

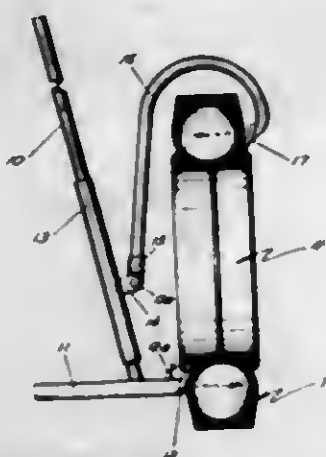


In a collapsible chair, the parts of which are readily detachable, a pair of integral horizontal frame members and leg members; said horizontal frame members being vertically slotted for complementary, interfitting, perpendicular crossing engagement, a seat member supported upon said frame members, said seat member having three spaced triangular blocks secured to its undersurface and located at the center of said seat member, the spaces between said blocks providing a pair of grooves for closely embracing the intersecting top sections of said frame members whereby they will be held firmly against lateral displacement.

2,628,669

PIVOTED TIRE BEAD LOOSENING TOOL WITH DIAMETRICALLY AND AXIALLY OPPOSED PRESSURE ELEMENTS

Raymond A. Stubler, Las Vegas, Nev.
Application December 26, 1947, Serial No. 793,841
4 Claims. (Cl. 157—1.28)



1. A tire tool comprising an elongated handle lever having a foot piece at its lower end terminating in a toe for engagement with the side wall of a tire at one point thereof, a sleeve slidable upon said handle, and an arm pivotally connected to said sleeve and having an arcuate free end terminating in a relatively wide finger piece for engagement with the other side wall of said tire at a point diametrically opposite to the first-named point, said toe and finger piece being moved relatively in opposite directions as said handle fulcrums upon said toe.

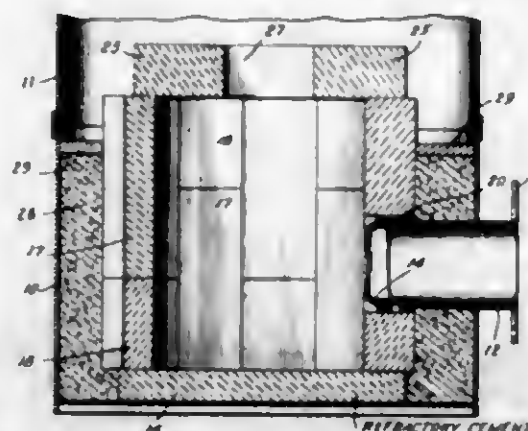
2,628,670

COMBUSTION CHAMBER

Henry Leroy Mohn, York, Pa., assignor to York-Shipley, Inc., York, Pa., a corporation of Delaware
Application September 8, 1949, Serial No. 114,548
1 Claim. (Cl. 158—1)

A heating plant combustion chamber for use with a gun-type oil burner, said combustion

chamber comprising a horizontal refractory base, a plurality of rows of vertically extending refractory blocks arranged side by side on said base to form a substantially circular combustion space, one row of said vertically extending blocks being apertured to receive the nozzle end of a gun-type oil burner, a plurality of horizontally arranged refractory blocks supported on the upper ends of said vertically extending blocks and projecting

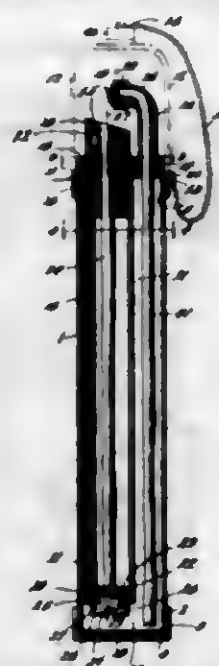


over the upper end of said substantially circular combustion space and defining a single upwardly directed outlet opening for said combustion space, said single outlet opening being substantially L-shaped in a horizontal plane, one leg of said single outlet opening extending to the side wall of said combustion space, and the other leg of said single outlet opening being substantially rectangular in a horizontal plane and having its central vertical axis displaced laterally from the central vertical axis of said circular combustion space.

2,628,671

WICK-TYPE LIQUID FUEL HAND TORCH HAVING WICK-FED RETORT

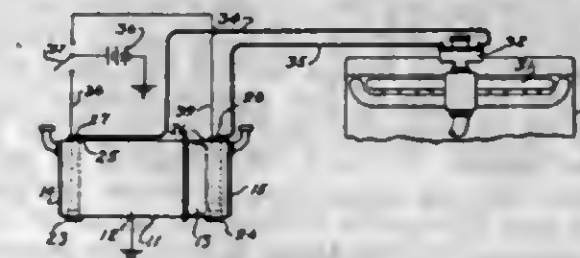
Harry Sherman, Waban, Myer Allen Silverman, Newton Center, and Hyman Liberman, Belmont, Mass.
Application February 8, 1949, Serial No. 75,242
6 Claims. (Cl. 158—35)



1. A blow torch comprising a closed housing having a removable bottom closure and a top member, said housing determining a power chamber, means forming a flame tube chamber of a volume content less than that of the power chamber, said flame tube chamber having an open upper end and a removable bottom closure and mounted within said housing, said flame tube chamber being substantially coextensive in length

with said power chamber but short of the lower end of said power chamber and supported only by said top member, the open ended portion of said flame tube being positioned above said top member outside the housing, a comparatively short conduit communicating with said power chamber, said conduit being provided with an orifice outlet and attached to said top member of the housing, said orifice outlet being positioned above and substantially directly over the open end of said flame tube chamber, in proximity to and in heat exchange relation with any flame at said open end, wick means within said flame tube chamber adapted for conveying liquid fuel from said flame tube chamber to the open end thereof, and wick means within said conduit and power chamber for conveying fuel from the power chamber to said orifice.

a flexible bulkhead separating the compartments of said tank to permit said tank to accommodate varying proportions of low and high

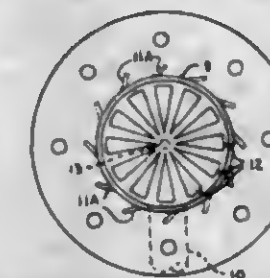


test fuel, conduits, connecting each compartment with said two-fuel carburetor, and a fuel pump for each of said conduits.

2,628,674

GAS INJECTOR FOR CARBON BLACK CONVERTER

Calvin B. Fore, Aransas Pass, Tex., assignor to United Carbon Company, Inc., Charleston, W. Va., a corporation of Maryland
Application August 5, 1948, Serial No. 42,724
3 Claims. (Cl. 158—99)

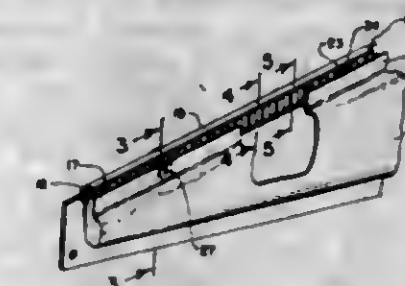


1. A gas injector for use with a carbon black converter and adapted to distribute a hydrocarbon gas within the carbon black converter and uniformly diffuse the said gas in an air stream therein, said injector comprising a tubular body with flat closed ends, said body having a plurality of circumferentially spaced longitudinally extending slots in the side wall thereof adjacent to and spaced from the discharge end, and said discharge end having a plurality of radially extending spaced slots therein which are in the shape of spaced radial circular sectors, the remainder of the said tubular body being fluid-tight except for a gas inlet conduit extending from the side wall of said body and adapted for detachable connection to a source of gas supply.

2,628,675

GAS BURNER AND PORT-FORMING GRID

Oscar C. Palmer and William J. Schmoll, Phoenix, Ariz., assignors to Palmer Manufacturing Corp., Phoenix, Ariz., a corporation of Arizona
Application February 20, 1948, Serial No. 9,764
8 Claims. (Cl. 158—116)



1. In a gas burner assembly of the class described, the combination of: a burner shell having parallel vertical walls defining an elongated slot; a burner grid inserted into the slot, as a

2,628,673

FUEL TANK

George R. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 23, 1948, Serial No. 45,639
2 Claims. (Cl. 158—46)

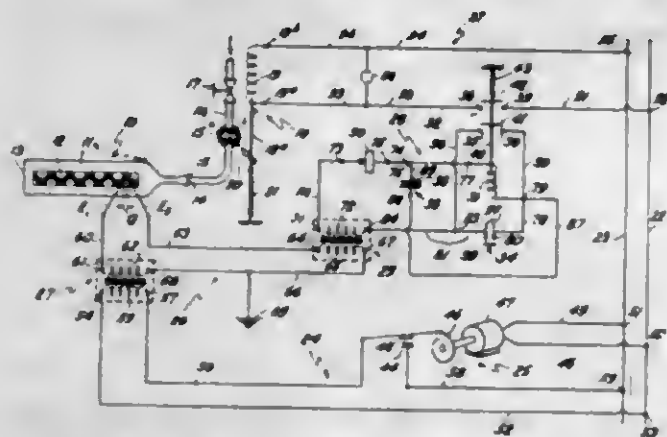
1. In combination with an internal combustion automobile engine having a two-fuel carburetor, a tank having separate compartments for low and high test fuel, said tank including

unit, the burner grid including a pair of substantially identical strips enclosing a spacer element, each strip having a horizontal flange and a series of horizontally spaced fingers extending therefrom, the fingers on one strip extending upwardly and the fingers on the other strip extending downwardly, the flange on the first said strip being on the bottom of the spacer element and the flange on the second said strip being on the top of the spacer element, the fingers of each series contacting an inner face on one of the parallel walls and therewith defining a series of orifices for combustible gas along each of the parallel walls.

2,628,676

SPARK RESPONSIVE SAFETY CONTROL SYSTEM FOR GAS BURNERS

Richard Shottenfeld, Jamaica, N. Y., assignor to Ensign Ribbon Burners, Inc., Pelham Manor, N. Y., a corporation of New York
Application August 26, 1950, Serial No. 181,645
2 Claims. (Cl. 158-128)



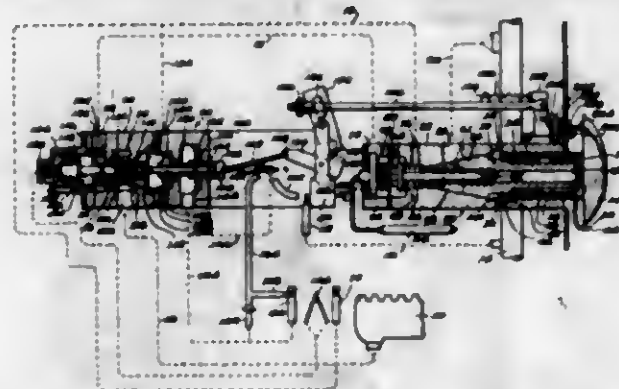
1. In combination with a gas burner having a gas valve operable to open and close the gas supply to the burner, a pair of ignition spark electrodes, a solenoid coil controlled armature for so operating the valve, a power supply circuit for controlling the solenoid coil, a step-up ignition transformer the secondary coil of which supplies alternating current to the spark electrodes for sustaining a spark passing between the electrodes, current interrupting means for intermittently supplying current to the primary coil of the ignition transformer whereby spark on-periods of a controlled length alternate with spark off-periods of a controlled length; a safety control system for shutting the gas valve when the spark fails for a length of time appreciably in excess of the length of its off-period, which system comprises a step-down detector transformer having a primary coil in circuit with the secondary coil of the ignition transformer as well as in circuit with said electrodes to constitute a spark circuit, a detector circuit comprising the secondary coil of said detector transformer, a rectifier, a relay solenoid coil and a starting switch, a condenser connected in parallel with said relay solenoid coil, a current holding connection including a pair of switch contacts in parallel with said starting switch and adapted to be opened or closed, an armature controlled by said relay solenoid coil to close said current holding switch contacts when the solenoid is energized and to open said current holding switch contacts when the solenoid is de-energized, a second pair of switch contacts disposed to be closed and opened by said last mentioned armature for thereby closing and opening said power supply circuit concurrently with the closing and the opening respectively of said current holding switch contacts, said condenser being dimen-

sioned and adapted to receive a charge of energy by said rectified current during the on-period of the spark, which energy is adapted to discharge through the relay solenoid coil in a solenoid energizing direction and is sufficiently large and effective to hold both said pairs of contacts closed at least until a subsequent on-period of the spark has started and is insufficiently large to keep the solenoid energized appreciably longer than the length of the off-period of the spark, so that said gas valve is kept open by the energization of its controlling solenoid during normal interrupted functioning of the spark, and is allowed to close by the de-energization of the controlling solenoid when the spark remains off for a length of time appreciably in excess of the length of the off-period of the spark.

2,628,677

SAFETY CONTROL AND IGNITION APPARATUS FOR GASEOUS FUEL BURNERS

Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa., a corporation of Delaware
Application December 6, 1947, Serial No. 799,204
4 Claims. (Cl. 158-130)



2. A control apparatus for fuel burners having main and pilot burners, a main shut-off valve rotatable between positions for controlling the fuel supply to the burners, operating means for rotating said valve between said positions, means for securing said operating means in relative non-rotatable but axially movable relation with said valve, safety shut-off means operable between positions for controlling the fuel supply to the burners and being located remote from said main valve, a latch, a connecting rod between said latch and said main valve and operable upon said axial movement for effecting operation of said latch to a latching position, and a bimetal element between said latch and said safety means and movable for resetting said safety means to supply fuel to the pilot burner upon said latching operation, said bimetal element being moved by said latching operation into the path of a flame at the pilot burner, said element becoming warped when heated by said flame for movement out of said path and simultaneously releasing said latch for terminating the resetting operation.

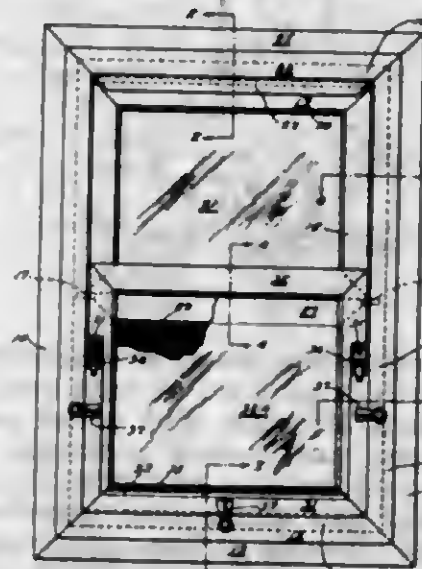
2,628,678

COMBINATION STORM WINDOW

Clifford L. Webster, Youngstown, Ohio, assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio, a corporation of Ohio
Application July 19, 1951, Serial No. 237,538
4 Claims. (Cl. 160-90)

1. A storm window including a main rectangular shaped frame having at the front side thereof an inwardly extending flange defining the opening in said frame, a screened sash com-

prising a metal frame and a section of screen secured thereto, said screened sash being removably positioned in the lower forward part of the main frame against said flange and having an intumed substantially L-shaped flange integral therewith on the rear face of the sides and bottom section of the same at the outer marginal portion thereof and forming therewith substantially U-shaped inwardly facing channels, a glazed sash removably slidably positioned in said channels and supported on said screened sash with the frame of the glazed sash

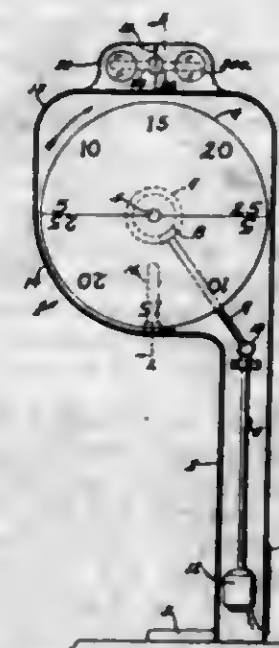


disposed alongside and fitting against the frame of the screened sash, the channels on the sides of the screened sash being open at the upper part thereof providing for the introduction into and removal of said glazed sash from the channels of the screened sash from the rear side of the main frame, catch means on the main frame at the rear side thereof for holding the screened sash in position against said flange, and a second glazed sash removably positioned in the upper forward part of the main frame and supported on said screened sash.

2,628,679

TRAFFIC SIGNAL

Reuben H. Givens, Jr., and Clarence G. Pruett, Long Beach, Calif.
Application March 17, 1947, Serial No. 735,079
5 Claims. (Cl. 161-15)



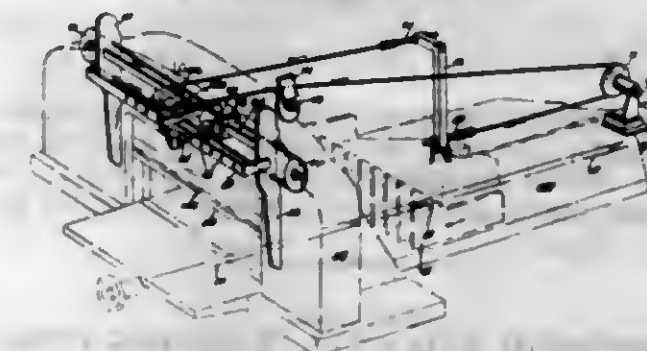
1. In a device of the character set forth of a traffic signal comprising a pair of signal disks mounted on a shaft to revolve in a housing; each

disk provided on one half of the face with the colors green and red having numerals positioned about the periphery thereof; said housing provided with an upper section having windows therein and a lower section arranged to provide a means comprising a gear mechanism to revolve said disks and a source of light to illuminate said disks so they may be seen through the windows in said upper section to direct traffic.

2,628,680

GUILLOTINE KNIFE-AUTOMATIC ELECTRICAL BACK GAUGE

Frederick W. Seybold, Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y., a corporation of New York
Application September 2, 1949, Serial No. 113,717
10 Claims. (Cl. 164-48)



1. A movable back gauge for a cutting machine having a reciprocating knife, drive apparatus for stepping said back gauge to a plurality of pre-selected successive positions, said apparatus including a drive motor and a shaft connected between said drive motor and said back gauge; control means responsive to the approach of said back gauge to a selected position to reduce the speed of said shaft and said back gauge, said control means being responsive to the arrival of the back gauge at a selected position to halt said shaft; said control means including a photo-sensitive member movable synchronously with said back gauge; a source of light; and light control elements at each selected stop position cooperating with said photo-sensitive member; said control means including a photo-sensitive member and a light source movable synchronously with said back gauge; an opaque member between said light source and said photo-sensitive member; openings in said opaque member at each successive stop position; circuit connections between said photo-sensitive member and said drive motor responsive to impingement of light on the photo-sensitive member to slow said drive shaft and responsive to subsequent interception of light by said opaque member to halt said drive shaft, and additional means for initiating the movement of said back gauge following a halt thereof.

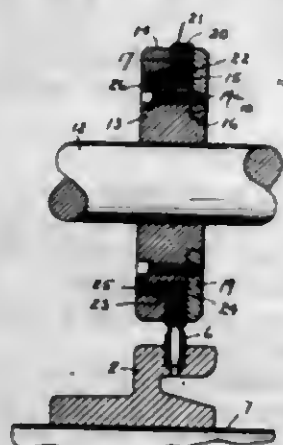
2,628,681

WEB PERFORATING MECHANISM

Gideon Kane, Green Bay, Wis.
Application February 3, 1951, Serial No. 209,253
2 Claims. (Cl. 164-99)

1. In perforating mechanism for a traveling web of sheet material, the combination of a pair of rotatable rolls between which the web passes, one of said rolls provided with radially disposed punches, the other roll having a peripheral groove, an anvil ring mounted in the outer portion of said groove and capable of movement relative thereto and provided with a wear resisting punch contacting surface, a resilient plastic backing

filling the remainder of the groove and in contact with said anvil ring, adjustable plate means mounted in said last named roll at one side of said groove and capable of movement into said



groove and acting on an abutting side surface of said plastic backing for placing said backing under an initial compression load to bring it into firm peripheral contact with the entire inner side of said ring.

2,628,682

CENTERING AND WELL CLEANING TOOL

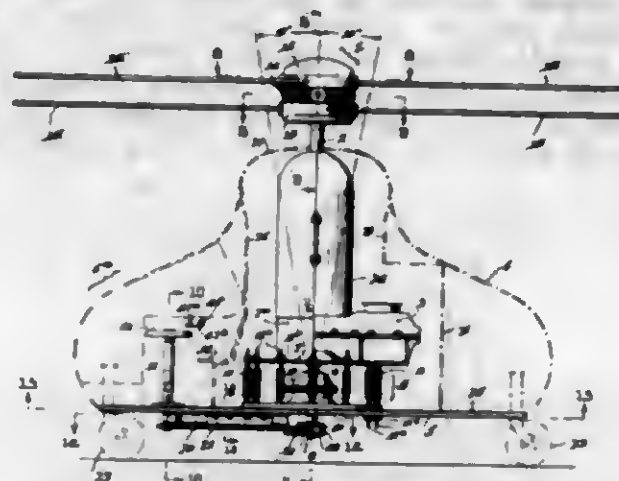
Kenneth A. Wright, Los Angeles, Calif.
Application September 23, 1947, Serial No. 775,641
2 Claims. (Cl. 166-18)



2. A well tool adapted for lateral application to a well casing to be lowered into a well bore, comprising in combination: a pair of axially spaced collars, each collar including substantially semi-circular sections connected by diametrically positioned axially extending hinge pins, a plurality of circumferentially spaced bowed spacers having their ends fixed to said collars, said bowed spacers being shaped to contact the wall of the well bore for centering the casing therein, a scratcher device secured to each of the spaced collars, each scratcher device comprising a pair of semi-circular elements, each element being fixed to one of the collar sections, the joints between the elements being aligned with said hinge pins, weld means connecting each of the semi-circular elements with one of said collar sections, and scratcher fingers on said elements extending outwardly to engage the wall of the well bore.

2,628,683
ROTOR MEANS FOR HELICOPTERS AND THE LIKE

Harold H. Reuther, Chester, Pa.
Application April 1, 1947, Serial No. 738,559
2 Claims. (Cl. 170-135.7)

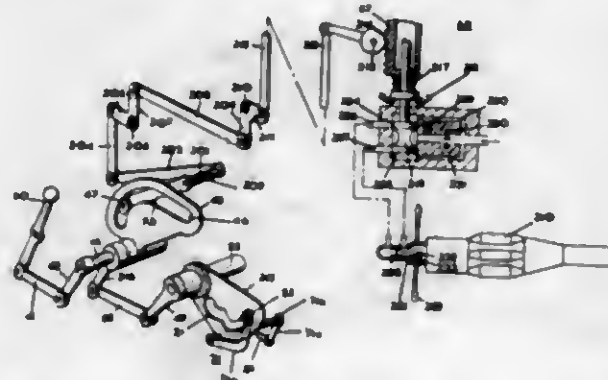


1. An aircraft comprising a supporting base; a body structure supported on said base; a drive shaft extending through and above said body structure, a ball and socket anchoring member mounted on said base, a platform tiltably supported on said ball and socket member spaced from said base; driving means supported on said platform; bearing means provided on said platform for rotative support of said shaft, operative connecting means between said driving means and said shaft for rotation of said shaft, yielding positioning means interposed between said platform and said base to hold said shaft and its driving means in predetermined angular positions on said base in said body structure during rotation thereof and wing members supported by said shaft and mounted thereon for rotation therewith.

2,628,684

CONTROL FOR CONSTANT-SPEED, VARIABLE-PITCH PROPELLERS

Brian H. Slatter and Thomas G. Daish, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England
Application October 1, 1947, Serial No. 777,262
In Great Britain June 21, 1947
5 Claims. (Cl. 170-135.74)



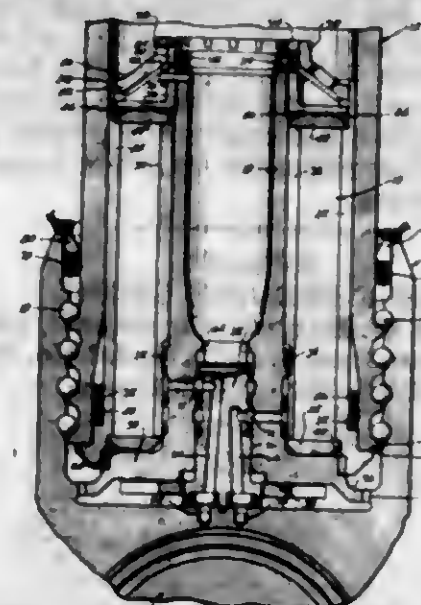
4. In combination, a variable pitch propeller having a constant-speed mechanism and an internal combustion turbine unit driving said propeller, a throttle control for the turbine unit, a movable control element connected to the constant speed mechanism for varying the datum setting thereof, and a hydraulic time delay mechanism connecting said control element to said throttle control and having means actuated by the throttle control and connected to the control element for initially increasing the datum setting at a relatively low rate in response to a

quick movement of the throttle control in increasing the supply of fuel to unit, and for subsequently increasing the datum setting at a relatively high rate and finally increasing the datum setting at a relatively low rate, so as to enable said turbine unit to rapidly assume the selected speed and power without undesirable fluctuations.

2,628,685

VANE MOTOR CENTER POST LOADING DEVICE

William E. Diefenderfer and Arthur N. Allen, Jr., Wethersfield, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 2, 1950, Serial No. 147,308
7 Claims. (Cl. 170-160.33)



1. In combination, in a propeller rotatable about an axis including a hub having variable pitch blades carried thereby, a vane motor having its longitudinal axis extending radially of the axis of rotation of said propeller and carried by each of said blades, a centerpost for said vane motor having a flanged supporting member on the inboard end thereof operatively engaging said blade to limit outward radial movement thereof relative to said blade, means at the outboard end of said centerpost connecting said centerpost with the propeller blade independent of said flanged supporting member and including adjustable means operatively engaging said blade for forcing said centerpost in an inboard direction and transmitting centrifugal force from said centerpost to said blade independent of said flanged supporting member.

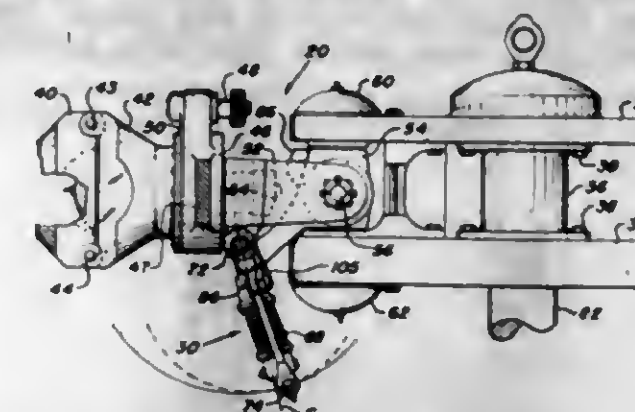
2,628,686

ANTI-FLAPPING LOCK

Michel D. Buivid, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 18, 1951, Serial No. 242,559
9 Claims. (Cl. 170-160.55)

1. In a helicopter rotor, a hub, a drag hinge pivoted to said hub having a depending projection, a blade having a root portion pivoted to said drag hinge for flapping movements, said root portion having a depending portion terminating adjacent said projection, and centrifugally operated locking means including a toggle having a pivotal connection at its opposite extremities with said blade and with said projection and movable bodily with said blade as the latter moves about said drag hinge for effecting a locking connection between said projection and said depending por-

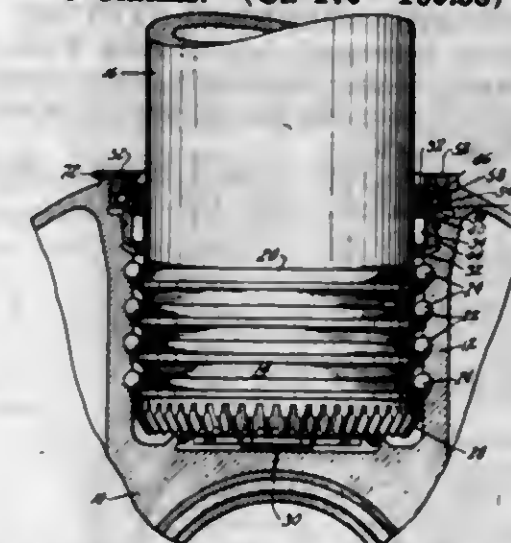
tion and preventing upward flapping of said blade



2,628,687

SPRING LOADED PRELOADING MECHANISM FOR BLADE RETENTION WITH INCREASED STIFFNESS

Arthur N. Allen, Jr., Wethersfield, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 8, 1950, Serial No. 143,024
8 Claims. (Cl. 170-160.58)



1. In a blade retention mechanism for a variable pitch propeller including a hub and a blade receiving socket carried by said hub, a blade having one end thereof positioned in said socket, bearing mechanism for restraining said blade against centrifugal loads including cooperating means carried by said blade and socket, means located outboard of said restraining mechanism for resisting bending movements of said blade including members in juxtaposed relation with said socket and blade, means for varying the amount of said resistance including an element adjustable along the longitudinal axis of said blade and a resilient element interposed between said adjustable element and one of said members.

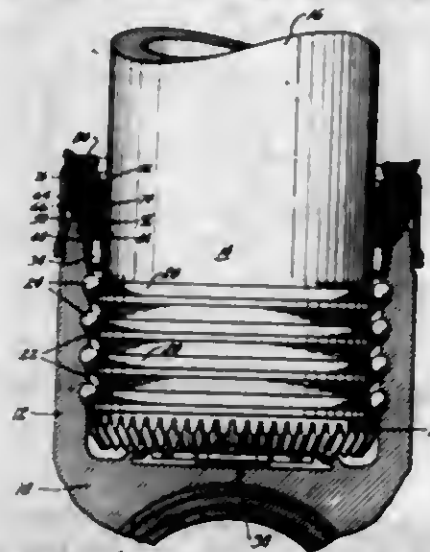
2,628,688

BLADE RETENTION MEANS WITH INCREASED STIFFNESS

William E. Diefenderfer, Wethersfield, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 8, 1950, Serial No. 143,026
11 Claims. (Cl. 170-160.58)

1. In a blade retention mechanism for a variable pitch propeller including a hub and a blade receiving socket carried by said hub, a blade having one end thereof positioned in said socket, and means for retaining the blade in said socket comprising, means for retaining said blade against centrifugal loads including a plurality of spaced

bearing members surrounding the blade and positioned between the blade and said socket, a row of roller bearings outboard of and spaced from said members, and means imparting pressure



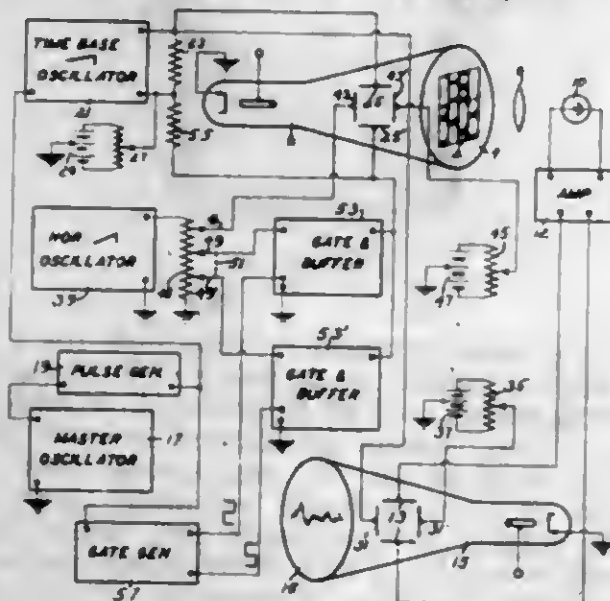
transversely of the axis of said roller bearings including a member positioned between the socket and said roller bearings and adjustably movable along the blade axis.

2,628,689

DYNAMIC SCANNING SYSTEM

Frank Rieber, deceased, late of New York, N. Y., by Lu Garda Rieber, executrix, New York, N. Y., assignor to Geovision Incorporated, a corporation of New York

Application May 28, 1949, Serial No. 96,045
13 Claims. (Cl. 181-0.5)



1. Apparatus for analyzing data recorded on a phonographically reproducible record comprising means for producing a series of trains of electrical waves dimensionally related to said recorded data, means for producing a second series of trains of waves having a different dimensional relation to said data, oscilloscopic means for displaying curves representative of said trains of waves, and means for alternating between said two series the trains of waves displayed.

2,628,690

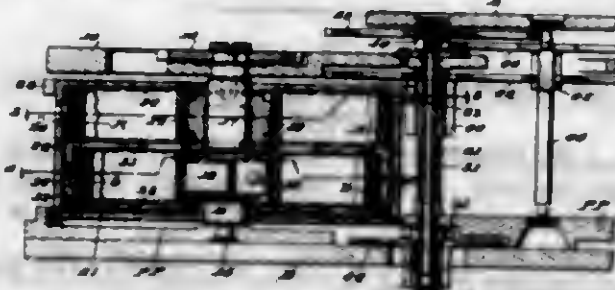
MULTIPLE-BARREL POWER SPRING ASSEMBLY

Maxime Favret, Elgin, Ill., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois

Application April 24, 1951, Serial No. 222,573
2 Claims. (Cl. 185-9)

1. A spring power device having upper and lower supports, a power output shaft pivoted in

both said supports and having pinion teeth thereon, and a winding device including a click, in combination with an outer barrel located between said supports and having going teeth in mesh with said pinion, a main arbor operatively connected with said winding device and pivoted in said supports and extending through the outer barrel, a first spiral spring within the outer bar-



rel and connected at its outer end thereto, an inner barrel having a hollow arbor extension located within said first spring and a pin thereon engaged with the inner end of the first spring, a second spring located in said inner barrel and connected at its outer end thereto, and a pin on said main arbor engaged with the inner end of the second spring.

2,628,691

SELF-SERVICE STORE

Richard W. Barrett, Cincinnati, Ohio
Application June 5, 1948, Serial No. 31,230
1 Claim. (Cl. 186-1)



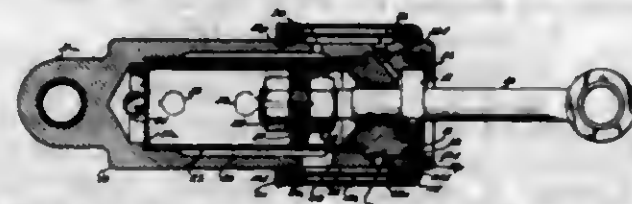
In a self-service store having a plurality of display cabinets for merchandise, a merchandise collecting, transporting and accumulating apparatus comprising the combination of a continuous conveyor, a plurality of hook-receiving rings spaced longitudinally on said conveyor, a plurality of carriers, a hook-receiving member on each of said carriers, said hook-receiving rings and hook-receiving members being nonengageable with one another, S-hooks attachable to said hook-receiving rings and hook-receiving members for supporting said carriers on said conveyor, said S-hooks having customer identifying indicia thereon, whereby a carrier can only be affixed to the conveyor by use of an S-hook bearing customer identifying indicia, and each carrier is identified with a particular customer by means of the S-hook attached thereto.

2,628,692

HYDRAULIC CHECK

George Hiram Huffard, Cleveland, Ohio, assignor to Honda-Hier-Hervey Corporation, Detroit, Mich., a corporation of Michigan

Application July 9, 1948, Serial No. 37,950
13 Claims. (Cl. 188-97)



9. An hydraulic check unit comprising a hollow casing defining a cylindrical bore adapted to be filled with fluid, a liner sleeve mounted in said bore, a piston rod having a portion thereof axially reciprocable in said liner sleeve, a piston secured to said piston rod portion and axially adjustable

thereon, said piston having a peripheral portion of one face generally hellically disposed relative to the chamber axis, said liner sleeve having two axially spaced throttling recesses therein, said casing bore being additionally recessed to provide fluid communication between said throttling recesses, whereby a limited flow of fluid around said piston is permitted in either direction of movement of said piston to produce a checking action, said sleeve having gear teeth formed thereon, and means including a driving gear meshing with said gear teeth for relatively shifting said sleeve with respect to said piston, thereby permitting independent adjustment of the checking action on said piston in one direction of piston movement.

2,628,693

NONSQUEALING BONDED BRAKE SHOE

William R. Rodger, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 16, 1947, Serial No. 748,405
4 Claims. (Cl. 188-234)



1. In a brake shoe assembly of the type adapted to frictionally engage a drum, a shoe element including an arcuately extending rim, a lining including an arcuately extending element of friction material having a central body of uniform thickness and opposite end portions, and an adhesive material directly bonding areas of concave face at said end portions and said central body to the convex face of said rim, another area of said concave face at said central body being free from such bonding, and the convex face of said central body having an area opposite the bonded area of the concave face of such body adapted to engage the drum.

2,628,694

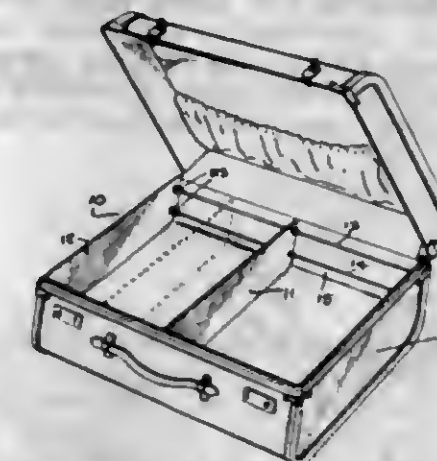
LUGGAGE CONSTRUCTION

Minna Kushner, Almonesson, N. J., assignor of fifty per cent to Julian E. Goldberg, Philadelphia, Pa.

Application November 19, 1949, Serial No. 128,379
1 Claim. (Cl. 190-51)

In a traveling case having a main compartment bounded by longitudinally extending front and rear walls and right angularly related end walls, an arrangement for subdividing said main compartment of the case comprising a positionally adjustable partition member adapted to be disposed transversely of said compartment and in substantially parallel relation to the opposite end walls thereof, said member being of a depth substantially equal to that of the compartment, a pair of supporting rods, said pair of rods extending between and secured to said end walls and arranged in vertically spaced parallel relation in close proximity to one of the longitudinally extending walls of said compartment, said partition member having vertically spaced transverse openings adjacent one end thereof respec-

tively adapted for projection of said rods there-through whereby to support said member in laterally extending relation with respect to said rods for slidable movement lengthwise thereof into adjusted position paralleling said end walls of the traveling case, and a longitudinally split, conical

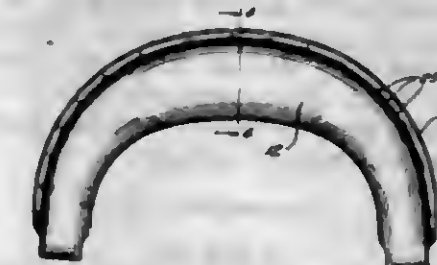


2,628,695

LUGGAGE HANDLE AND METHOD OF MANUFACTURING THE SAME

Albert J. Bognsvog, Sr., Racine, Wis., assignor to North Bay Leather Goods, Racine, Wis., a corporation of Wisconsin

Application November 16, 1949, Serial No. 127,590
4 Claims. (Cl. 190-57)



1. In a luggage handle: an elongated core formed with a longitudinal rectangular bead having a side wall; a piece of covering material wrapped around said core and conforming to the shape thereof, said material having an edge portion covering said bead and positioned flat against said bead side wall and having an opposite edge portion positioned in flat overlapping contact with said first-mentioned edge portion, said last mentioned edge portion terminating inwardly of the outer edge of said bead, and said latter edge portion being depressed into the side of the covered bead to provide a smooth outer side wall for said covered bead; and a longitudinal row of stitching extending transversely through said bead side wall and connecting said overlapped edge portions.

2,628,696

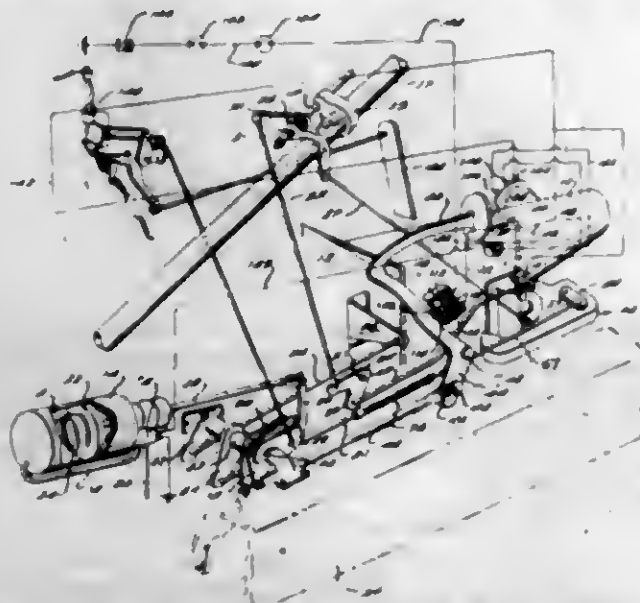
ELECTRICAL CIRCUIT FOR A TRANSMISSION AND CLUTCH CONTROL APPARATUS

Maurice C. Robinson, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 18, 1947, Serial No. 780,718
10 Claims. (Cl. 192-073)

3. In a drive mechanism for a motor vehicle having an engine provided with a throttle having a substantially closed position and a vehicle

driver operated control for said throttle, a variable speed ratio transmission and a clutch operatively connecting said engine and said transmission, vehicle driver operated clutch control mechanism for disengaging and engaging said clutch, vehicle driver operated control mechanism for changing the speed ratio drive in said transmission, electrically controlled means for actuating said clutch and varying the speed ratio drive in said transmission, a switch associated with said driver operated control for the throttle



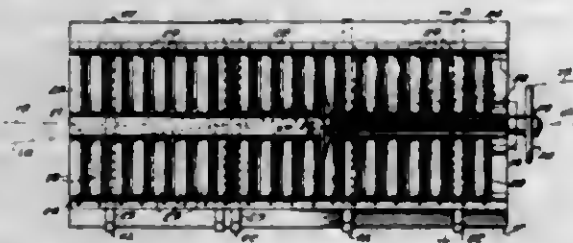
adapted to prevent operation of said electrically controlled means at any time when said throttle was at other than said position, a switch associated with said driver operated clutch control mechanism and said electrically controlled means and adapted to render said electrically controlled means inoperative as an incident to actuation of said driver operated clutch control mechanism whereby the driver may if desired control the clutch and transmission speed ratio drive through said mechanisms independently of said electrically controlled means.

2,628,697

SIDE-TILTING CONVEYER

John M. Prentice, Louisville, Ky., assignor to Logan Co., Inc., Louisville, Ky., a corporation of Kentucky

Application June 10, 1948, Serial No. 32,153
4 Claims. (Cl. 193-35)



1. A side-discharging conveyor comprising a conveyor section normally sloping downwardly in the direction of movement of articles thereon, and means for tiltable supporting the conveyor section on an axis horizontally inclined from the longitudinal axis of the conveyor section.

2,628,698

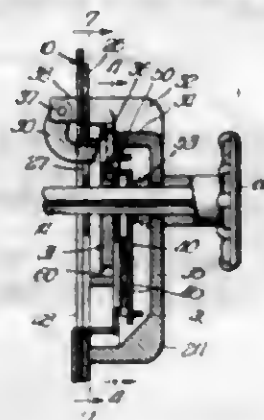
COIN-CONTROL MECHANISM FOR VENDING MACHINES

Wilbur G. Parrish, Chicago, Ill.

Application January 15, 1949, Serial No. 71,197
3 Claims. (Cl. 194-61)

1. In dispensing mechanism, the combination with a rotatable shaft capable of effecting a dis-

pensing operation when rotated in a dispensing direction, a coin wheel on said shaft rotating therewith, said coin wheel having a recess therein for receiving a coin, locking means for the coin wheel locking the wheel and thus the shaft against rotation but releasable upon the insertion of a coin in the recess to permit rotation in a dispensing direction, a housing having a front wall provided with an opening through which the said shaft extends, said housing enclosing the coin wheel and said locking means and having a coin slot with which the recess is aligned when the coin wheel is in coin receiving position, a mechanism support plate located within



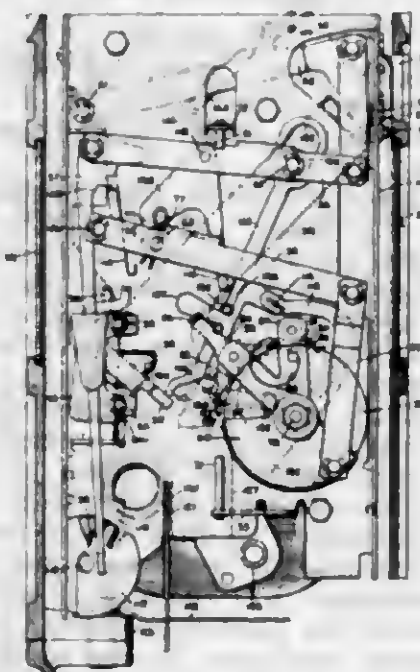
and secured to said housing and disposed between the coin wheel and the front wall of the housing, said locking means being pivotally supported by said mechanism support plate and having an opening therein through which said shaft extends, a resilient coil spring encircling the shaft and backed by the front wall of the housing for yieldingly urging the locking means in a direction to engage the seat of said coin receiving recess to lock the coin wheel against rotation in a dispensing direction, and a reverse locking pawl having coaction with openings in the coin wheel for locking the wheel against rotation in a reverse direction.

2,628,699

PARKING METER MECHANISM

Roy S. Sanford, Woodbury, and James Owen Eames, Washington, Conn., assignors, by mesne assignments, to The Michaels Art Bronze Company Incorporated, Covington, Ky., a corporation of Kentucky

Application May 28, 1948, Serial No. 29,728
23 Claims. (Cl. 194-72)



1. In a parking meter of the kind including a coin slot accessible to the parker, a coin chute

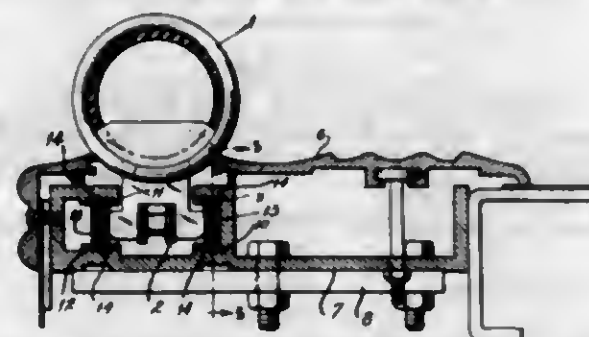
within the meter for guiding the gravity fall of a coin after it has passed through the slot, an indicator movable between violation and purchased-time positions, spring-controlled means adapted to be moved in one direction for potentially energizing the same and movable in the reverse direction to apply its energy to move the indicator from purchased-time to violation position, and timer mechanism for retarding the indicator movement, the improvement which comprises an actuator adjacent the coin slot positioned for engagement by and yieldable in response to the insertion pressure of a hand-held coin, motion-multiplying connections between the actuator and said spring-controlled means, said connections applying the said coin-induced yield of the actuator to move the spring-controlled means in said one direction, timer-controlled clutch means between the spring-controlled means and the timer mechanism, said timer-controlled clutch means temporarily connecting the spring-controlled means to the timer upon movement of the spring-controlled means in an energy-storing direction, an indicator-controlled clutch means between the spring-controlled means and the timer mechanism, said indicator-controlled clutch being operable by the indicator to connect the spring-controlled means to the timer independently of the timer-controlled clutch, and latch means for maintaining the indicator in its violation position, said latch means including a release element located in the path of a coin falling through the chute.

2,628,700

HANDRAIL FOR MOVING STAIRWAYS

Walter F. Masek, Richmond, Ind., assignor to Multiscope, Inc., Coffeyville, Kans., a corporation of Kansas

Application July 6, 1950, Serial No. 172,219
11 Claims. (Cl. 198-16)



1. In a moving stairway having a moving hand rail provided with guide shoes in spaced relationship lengthwise thereof, a stationary guide for said guide shoes composed of sections joined end-to-end, the combination of a strip of tape extending from end-to-end of the composite stationary guide bridging the joints between the sections thereof and constituting a continuous track for said guide shoes.

2,628,701

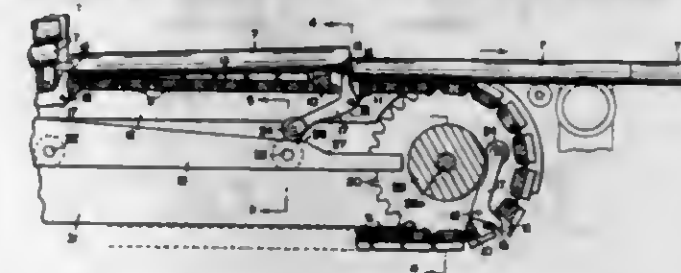
CONVEYER

Frederick S. Schrage, Rock Island, Ill., assignor to Mutual Engineering Company, Inc., Davenport, Iowa, a corporation of Iowa

Application April 30, 1949, Serial No. 90,584
8 Claims. (Cl. 198-25)

1. In a conveyor, a pair of endless chains running over pairs of sprockets, said chains comprising links, blocks connecting corresponding links to form a conveyor element, equally spaced elements of the conveyor projecting beyond the outermost surface thereof, elements of the con-

veyor adjacent the first mentioned elements projecting inwardly beyond the innermost surface of the conveyor, an arm pivoted on each of the inwardly projecting elements and having a nose projecting beyond the outermost surface of the conveyor, a cam between the upper and lower runs



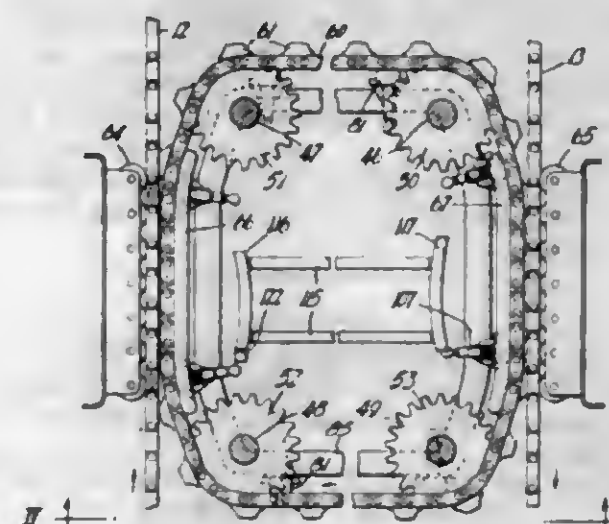
of the conveyor, said arms having lever arms riding on the cam whereby to cause the nose on each arm to be retracted as the lever arms are lowered by moving over the cam, and carrying means in line with the carrying surface of the conveyor, whereby to furnish a low resistance carrier for carried elements after they leave the conveyor and are pushed ahead by the carried elements on the conveyor.

2,628,702

CONVEYER TRANSFER APPARATUS

Nelson L. Mabrey, Buffalo, N. Y.

Application January 4, 1951, Serial No. 204,437,
6 Claims. (Cl. 198-27)



1. A conveyor system comprising a pair of independent endless conveyor chains each having therealong a uniformly spaced series of article supports, synchronizing means comprising an endless caterpillar chain and sprocket means for supporting and guiding the same with longitudinal portions thereof in meshing engagement with a longitudinal portion of each of said conveyor chains, a series of article engaging units carried by said caterpillar chain and spaced therealong in registry with said article supports, means operable by and upon movement of said caterpillar chain in longitudinal meshing engagement with one of said conveyor chains for operating the article engaging units successively to remove articles from registering article supports of said one conveyor chain to said synchronizing means for movement therewith to the other conveyor chain, and means operable by and upon movement of said caterpillar chain in longitudinal meshing engagement with said other conveyor chain for successively transferring such articles from said synchronizing means to registering article supports of said other conveyor chain.

2,628,703

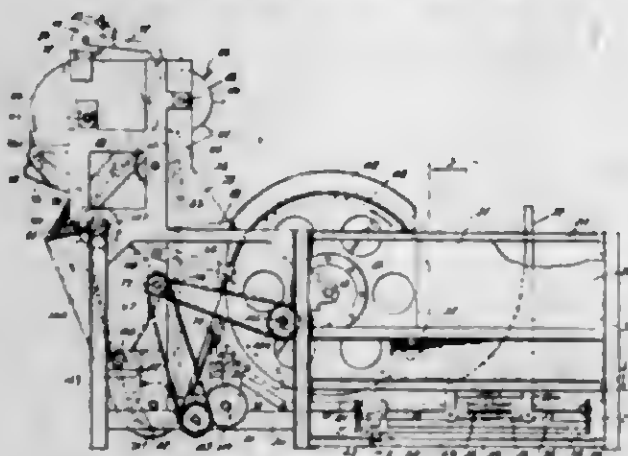
MEANS FOR FEEDING TAPERED ARTICLES
 Paul R. Fechheimer, Richard Boing, and Leonard F. Frederick, Cincinnati, Ohio, assignors to The Kari Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
 Application June 30, 1948, Serial No. 36,006
 7 Claims. (Cl. 198-29)



1. In apparatus for feeding tapered containers individually into a machine, a conveyor upon which said containers approach said machine at a given speed, means to receive containers from said conveyor individually at a speed less than the effective speed of said conveyor, so that containers tend to accumulate in contact with each other ahead of said receiving means while being urged forwardly by said conveyor upon which said accumulated containers slide, means in conjunction with said conveyor for causing said accumulated tapered containers to react against each other at a plurality of points for each pair of contacting containers, said points spaced from each other above said conveyor, while the axes of said containers remain substantially in vertical planes normal to the direction of motion of said conveyor, whereby the centers of gravity of individual containers are caused to remain above their bases, said last mentioned means comprising side guides located with respect to said conveyor and above it, said side guides having at least one portion spaced approximately from $1\frac{1}{2}$ to $1\frac{1}{2}$ times the diameter of the container being fed at the height of said guides.

2,628,704

SOILED TOWEL COUNTER
 James J. Colvin, La Grange, Ga., assignor to Callaway Mills Company, La Grange, Ga., a corporation
 Application August 11, 1950, Serial No. 178,779
 20 Claims. (Cl. 198-30)



1. Apparatus for acting on a mass of articles which adhere to one another, and delivering the articles separately, which comprises a receptacle for a charge of articles, a conveyor for engaging the charge in the receptacle and removing portions thereof successively, a second receptacle receiving articles from the conveyor, a second conveyor for engaging articles in the second receptacle and removing them therefrom, a moving delivery member adjacent the second conveyor

and having elements operating to engage articles carried by the second conveyor and to remove said articles from said second conveyor with a change of direction, and beating means for removing from the member articles not firmly held by said elements and returning them to the second receptacle.

2,628,705

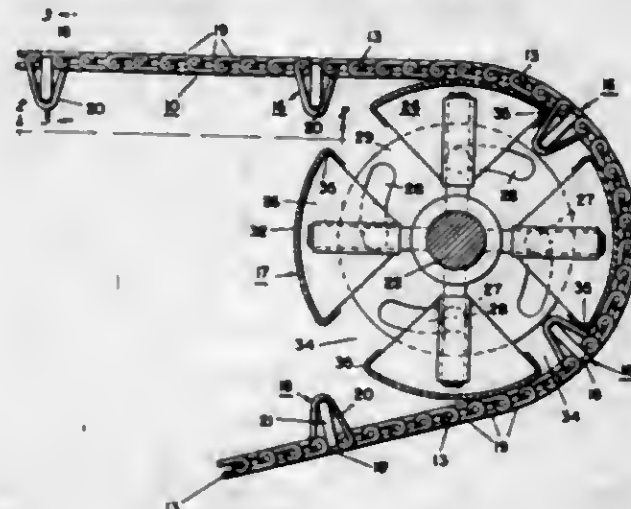
SLATTED CONVEYER
 Donald Kline, Aurora, and Edward N. Michna, Chicago, Ill., assignors, by mesne assignments, to Peterson Products Corporation, Chicago, Ill., a corporation of Illinois
 Application June 10, 1948, Serial No. 32,245
 13 Claims. (Cl. 198-195)



1. A conveyor chain or belt comprising a plurality of link units or sections each including a deck portion having a depending flange at each end thereof, and in which each of the said depending flanges has a rolled lower edge portion, and in which the said rolled lower edge portions of the said depending flanges of each two adjacent link units or sections are interconnected to provide a generally tubular-shaped hinge connection between each two adjacent link units or sections, said deck portions having depending flanges at each side spaced from the ends of said end flanges and each side flange having apertures near its ends aligned with the tubular shaped hinge connections, shafts extending through the apertures in said flanges and into said tubular hinge connections, and anti-friction rollers supported on said shafts in said spaces.

2,628,706

WIRE CONVEYER BELT DRIVE
 Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, a corporation of New Jersey
 Application December 29, 1949, Serial No. 135,710
 3 Claims. (Cl. 198-203)

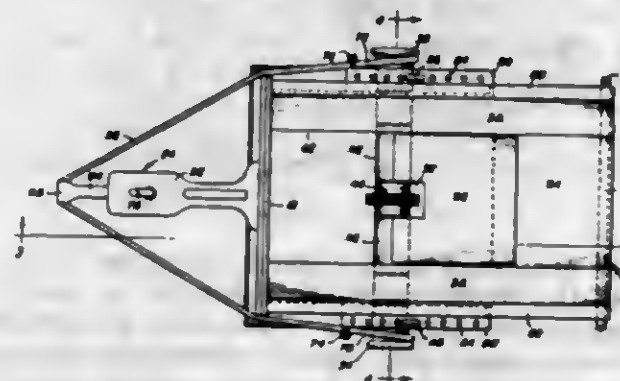


1. A conveyor belt construction comprising a succession of sections made of helical coils of wire successively connected in overlapping relation to form substantially flat inner and outer faces, a helical connecting coil interposed between successive sections for connecting the same and having portions of the turns thereof extending inwardly a substantial distance from the flat

inner face of said sections to provide driving means for the belt, and a belt driving roll comprising a plurality of segmental elements extending lengthwise thereof and spaced circumferentially from each other to provide longitudinal channels to receive said driving means, a radially adjustable support on each end of said segmental sections, and cam means operatively connected to the support at each end of said roll for adjusting said segmental elements radially of the roll.

2,628,707

SLACK ADJUSTER FOR CONVEYERS
 Anthony Shackoski, Avonmore, Pa.
 Application October 28, 1949, Serial No. 124,097
 5 Claims. (Cl. 198-208)



1. A slack adjuster for conveyers, said slack adjuster comprising a support including a pair of spaced side walls, a conveyor receiving roller slidably carried by said side walls, a jack mounted on said support and disposed perpendicular to said roller, said jack including a feed shaft, an elongated flexible element trained over the feed shaft of the jack and terminally secured to the ends of the roller, upper and lower plates secured to each of said walls, said roller having end portions received between said upper and lower plates, said plates having longitudinally spaced apertures, and stop pins received in selected of said apertures and engaging the roller throughout adjustment of the roller for limiting sliding movement of said roller away from said jack and for retaining the roller in an adjusted position.

2,628,708

ARTICLE RAISING OR LOWERING CONVEYER

Eugene A. Wahl, Garden City, N. Y., Wilhelm Boehl, Union, and Otto A. Badenhansen, Brookside, N. J., assignors to P. Ballentine & Sons, Newark, N. J., a corporation of New Jersey
 Application January 25, 1951, Serial No. 207,802
 8 Claims. (Cl. 198-212)

1. A conveyor of the character described comprising a vertically disposed rotatable article pusher unit including an annular series of bars extending longitudinally and substantially radially thereof in annularly spaced apart relationship to each other to accommodate therebetween the inner side portions of articles to be raised or lowered, article guide means surrounding said unit and cooperable with said bars to retain articles in the spaces between said bars and to constrain the articles to be moved in a circular path responsive to rotation of said unit, and a single article supporting rail of helical form surrounding said unit and along which the articles are advanced and hence moved vertically responsive to rotation of said unit, said rail being of narrow width to offer minor resistance to sliding of the articles along the same and being

spaced inwardly from said article guide means to afford a space through which the fragments of broken articles may drop, said rail being disposed to extend substantially diametrically

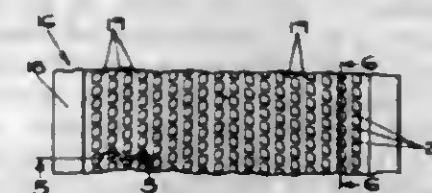
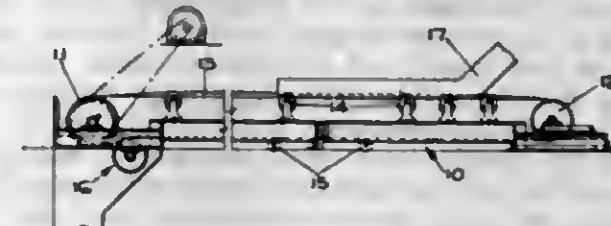


across the bottoms of the articles so as to minimize tendency of said rail to effect rotation of the articles about their own axes as they are advanced along said rail.

2,628,709

SELF-CLEANING GROOVED RUBBER COVERED PULLEY

Walter C. Steinmetz, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
 Application February 23, 1949, Serial No. 77,831
 1 Claim. (Cl. 198-230)



A belt conveyor particularly adapted to carry dirt, spoilage and the like including a frame, a head pulley adjacent one end of said frame, a tail pulley adjacent the other end of said frame, motor means for driving said head pulley, an endless conveyor belt extending between said head and tail pulleys having an upper working run and a lower return run, a snub pulley adjacent said head pulley and below said lower return run of said endless conveyor belt engaging the dirty working side thereof and snubbing said belt about said head pulley, said snub pulley including a true cylindrical belt contacting surface constructed to prevent the accumulation of sticky and frozen matter on both the dirty working surface of the endless conveyor belt and itself, the surface of said snub pulley being made of relatively soft rubber and including a plurality of spaced peripheral grooves and a plurality of spaced chevron shaped transversely extending

grooves intersecting all of said peripheral grooves, all of said grooves being substantially semi-circular and having a depth of at least $\frac{1}{4}$ inch and being spaced apart approximately 1 inch from center to center whereby the belt engaging lands between said grooves are stable and compressive action between the snub pulley and the dirty working surface of the conveyor belt extrudes sticky and frozen matter removed from said dirty conveyor belt working surface along said chevron grooves to said peripheral grooves from which said extruded matter falls or is thrown by centrifugal force.

2,628,710

SAFETY RAZOR BLADE DISPENSER

Zemach Auerbach, Bronx, N. Y.

Application June 15, 1948, Serial No. 33,159

1 Claim. (Cl. 206-16)



A container and dispenser for safety razor blades comprising a holder having a bottom, upstanding side walls, front and rear end walls, a platform resting upon the side walls and the rear end wall of said holder and projecting forwardly beyond the front end of the holder, depending flanges extending along the opposite side edges of said platform and having inwardly projecting ledges along their lower edges engaging under the opposite side portions of the bottom of said holder, members carried by the ledges and engaging the front and rear ends of the holder and locking the holder in place under said platform, the front end wall being of less height than the side walls and having its upper edge spaced downwardly from the platform and defining a discharge passage for blades between the platform and the front end of the holder, said holder having a finger-receiving opening therein intermediate the length of its bottom, said platform having a thumb-receiving opening therein disposed over the opening in the bottom of the holder, the projecting front portion of said platform having a longitudinally extending slot leading from its front end intermediate its width, lugs extending upwardly from the bottom of said holder adapted to pass through a stack of blades in the holder and having upper ends spaced downwardly from the platform a distance corresponding to the depth of the discharge passage, whereby when the stacked blades in the holder are pressed upwardly by the finger passing through the finger-receiving opening, the uppermost blade may be shifted forwardly through the discharge passage by the thumb, and a tongue extending forwardly from the front end wall of said holder under the slot in the forwardly projecting portion of the platform and constituting a member adapted to engage in a slot extending longitudinally in a blade and to guide the longitudinal movement of the blade from the holder through said discharge passage and forwardly under the forwardly projecting portion of the platform.

2,628,711

KNITTING NEEDLE KIT

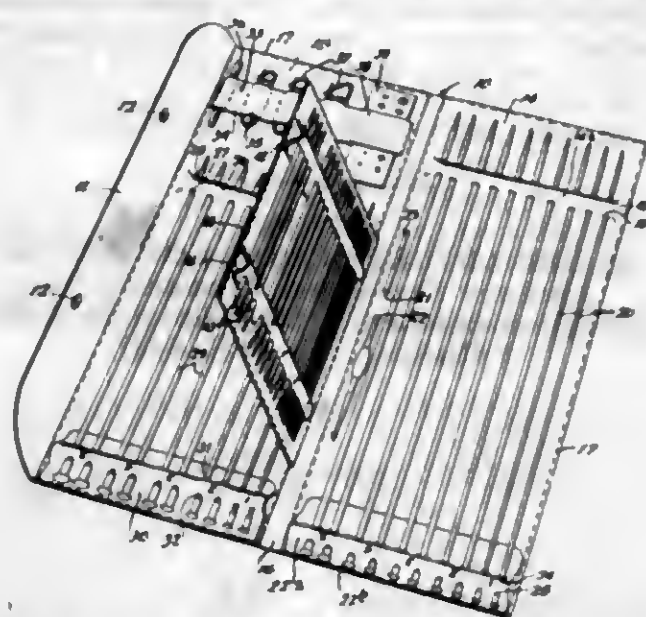
Roy L. Flannery, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois

Application March 15, 1950, Serial No. 149,371

2 Claims. (Cl. 206-16)

1. In a knitting needle kit, a cover sheet adapted to be folded upon itself, a strip secured

to said sheet and providing an arch having spaced openings therein for receiving one end of a knitting needles, and a flap having an edge thereof secured to said cover, and having a free edge



portion provided with spaced openings in longitudinal alignment with the openings in said strip and adapted to receive the other end of said knitting needle, said flap being swingable outwardly to raise the end of the knitting needle therein.

2,628,712

KEY CHECK AND MATCHBOOK HOLDER

David O. Ford, San Antonio, Tex.

Application February 27, 1950, Serial No. 146,500

1 Claim. (Cl. 206-20)



In combination, an advertising tag and scraper formed of a plate of relatively inflexible, non-abrasive material having advertising media on one side thereof, an apertured tongue extending from one end of said plate, a pair of confronting inwardly reverted arcuate flanges carried by the opposite lengthwise edges of said plate on the side opposite said advertising media, for the reception of the back of a match book having a back and a foldable cover, said back engaging beneath said flanges and said cover engaging over said flanges to thereby lock the match book onto said tag, and a beveled edge on the end of said plate opposite said tongue forming a scraper blade.

2,628,713

PACKAGE FOR DEODORANTS, STATUARIES, AND THE LIKE

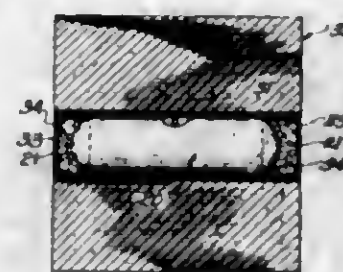
Joseph F. Diederich, La Grange, Ill.

Application July 11, 1950, Serial No. 173,035

2 Claims. (Cl. 206-47)

1. A package assembly for deodorant comprising a substantially cylindrical core of molded de-

odorant provided with substantially hemispherical end formations, said core having imbedded therein a substantially rigid member provided with an aperture and said core having a cavity intermediate the ends thereof exposing said member at said aperture, said member lying en-



tirely within the cylindrical surface of said deodorant, a tubular cardboard casing frictionally fitting said core, a pair of cardboard caps secured in each end of said tubular cardboard casing, crushable packings at each end of said core engaging said core and caps and a wrapping of soft toilet tissue spirally about said tubular casing.

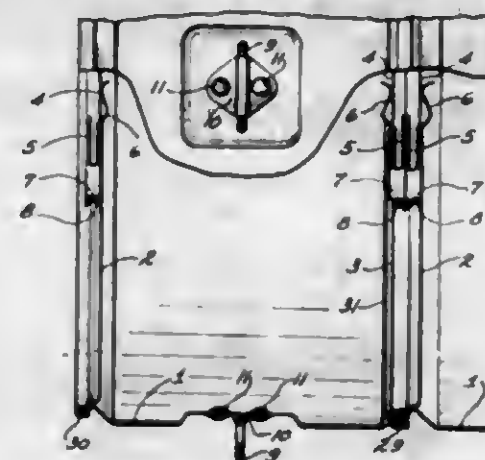
2,628,714

COIL CONTAINER

Frederick R. Schaefer, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application August 17, 1945, Serial No. 610,906

3 Claims. (Cl. 206-59)



1. A package comprising a container and an elongated article in coil form therein, said container including sheet metal end members, sheet metal covers and a sheet metal shell, said end members having axial openings and circumferential axial flanges at their outer peripheries extending away from each other, said shell being cylindrical, circumferentially continuous and having flanges at its ends connected to the flanges of the end members by outer double seam connections, said shell projecting inwardly and engaging the inner side of one of said end members, said elongated article being coiled about the axis of the container between the said ends and lying within said shell and having an axial opening corresponding to the axial opening of said ends, said sheet metal covers closing said axial openings.

2,628,715

PALLETIZED SHIPPING STRUCTURE

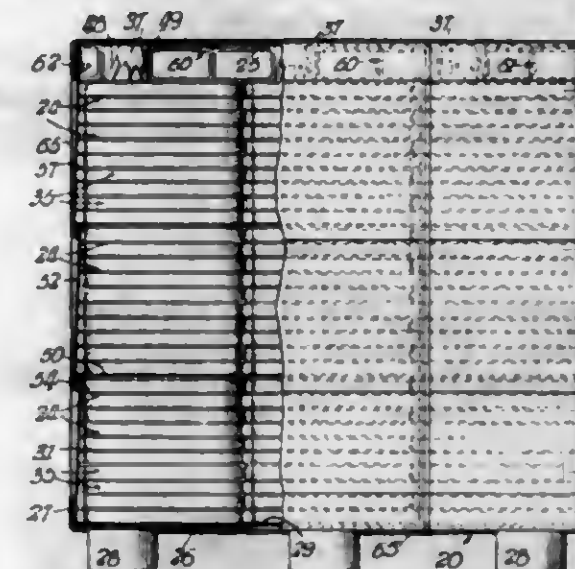
Larry J. Budd, Chicago, Ill., assignor to Pallet Devices, Inc., Des Plaines, Ill., a corporation of Illinois

Application August 3, 1949, Serial No. 108,410

10 Claims. (Cl. 206-65)

6. A palletized structure for the shipment of articles having a flat base with an upstanding

neck thereon, said structure embodying therein a pallet including a platform and supporting means therefor, open top trays arranged as a stack upon said platform of the pallet and each including a bottom and upright sides and ends, said trays being arranged with the bottom of the lowermost one engaged directly on said platform and with the bottom of a tray above engaged upon and supported by the top edges of the sides and ends of the tray below, a plurality of sheets arranged in each tray with spaces therebetween of a depth corresponding to the depth of the bases of said articles, each sheet having a row of similarly spaced openings therein, each defined by bendable fingers attached to the sheet,



a set of laterally spaced articles having their bases disposed between adjacent lower and upper sheets with the articles in alternate spaces arranged vertically in line with each other and with the articles in the intermediate spaces offset laterally to a position between the bases of the articles in said alternate spaces, the necks of the articles in each set extending upwardly through certain of said openings in the sheet above, with the fingers of said openings turned upwardly and engaged with said necks and separating the same from the necks of the articles in the space above and in which they nestingly engage, a cover for the open top of the topmost tray, and means for securing the covered stack of trays and said pallet together as a unitary structure.

2,628,716

FLOTATION PROCESS

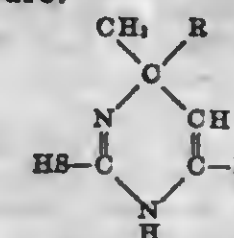
William H. Hill, Mount Lebanon, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application March 15, 1946,

Serial No. 654,817

10 Claims. (Cl. 209-166)

1. In a process for froth flotation the steps of preparing a mineral pulp of a sulfidic ore, incorporating therein a thiopyrimidine having the following structure:



in which the R's are the same radical selected from the class consisting of methyl and ethyl radicals and subjecting the pulp to froth flotation.

2,628,717

FLOTATION OF ORES

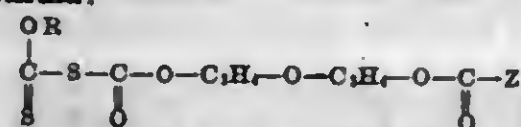
Robert Ben Booth, Springdale, Conn., and John Vivian Hill, Tucson, Ariz., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 25, 1947,

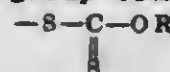
Serial No. 757,058

8 Claims. (Cl. 209-166)

1. A method of beneficiating metallic ores which comprises subjecting the ore to froth flotation in the presence of a promoter having as an essential promoting constituent a compound of the formula:



in which R is an alkyl radical and Z is a radical selected from the group consisting of -Cl and

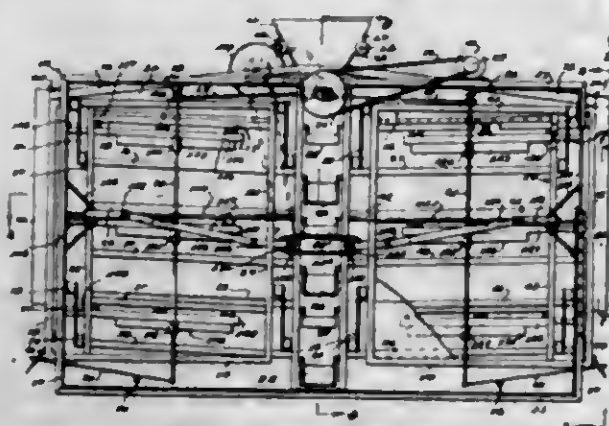


2,628,718

SEED CLEANER AND GRADER

James O. Dockins, Stuttgart, Ark.
Application July 21, 1950, Serial No. 175,070

2 Claims. (Cl. 209-240)



1. A seed grader comprising an elongated frame, two grader units mounted in said frame one at each side of the mid-length location of the latter, a power plant disposed adjacent said frame, means carried by said frame and connected to said power plant and said grader units to impart shaking movement to said grader units, each of said grader units including grader screens disposed one above the other, a hopper mounted on said frame at the midlength location of said frame, distributing tables carried by said frame and disposed one at each side of said hopper, said tables extending from said hopper to the ends of the main frame remote from said hopper, and means communicating with said distributing tables at said remote ends for distributing seed uniformly from said hopper to the several screens in the corresponding grader unit, said means comprising a chute adjacent the remote end of each distributing table, said chute having an end thereof overlying one of said screens, and a second chute surrounding said first chute for conveying grain to another of said screens.

2,628,719

CENTRIFUGAL APPARATUS DISCHARGER

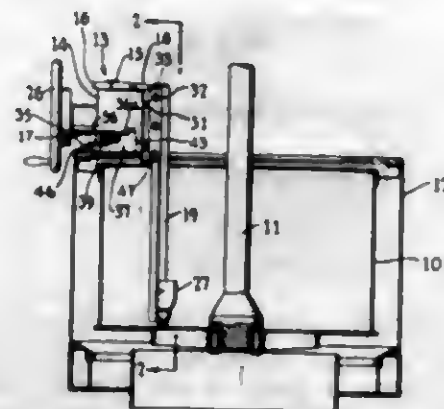
Joseph Hertrich, Hamilton, Ohio, assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah

Application November 29, 1946, Serial No. 712,781

16 Claims. (Cl. 210-70)

1. A centrifugal basket discharger including a shaft guide housing having a non-circular-shaped

cross-section vertical guide passage with a vertically extending slot communicating therewith, a discharger shaft having a similar non-circular cross-section vertically slidable in said guide passage and being non-rotatable relative thereto, said shaft having a portion extending laterally



through said slot to the exterior of the housing, and a discharger shoe mounted on said lateral portion of the shaft adjacent one end of said shaft whereby said shoe can be raised above the lower face of said guide housing when said shaft is raised to an upper position.

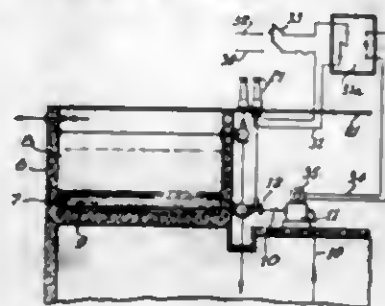
2,628,720

BACKWASH CONTROL EQUIPMENT FOR FILTERS

Churchill Hungerford, Jr., Wenonah, and John G. Reutter, Clayton, N. J., assignors to Hungerford & Terry, Inc., Clayton, N. J., a corporation of Delaware

Application July 9, 1949, Serial No. 103,914

2 Claims. (Cl. 210-130)



1. In filter equipment having a bed of gravel or the like where the bed is cleaned by passing wash water upwardly therethrough, the combination of a wash water supply line, a valve for controlling the flow through said line, a stem for opening and closing said valve, a pump for placing the line under pressure, an electric motor for actuating the pump, a switch for opening and closing the actuating circuit for said motor, a trip on the stem arranged to hold said motor actuating circuit in open position when the valve is closed, and means for moving the stem to open the valve, said trip being moved by the stem to effect closing of said motor actuating circuit before the valve is opened, whereby there will be pressure in the line as the valve is being opened.

2,628,721

GASOLINE FILTER

Verner P. Mathews, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 23, 1949, Serial No. 129,084

6 Claims. (Cl. 210-165)

1. A fluid filtering device, comprising, a pair of generally circular cup-shaped members each having an aperture disposed adjacent the edge

thereof, one of said members including a flat outwardly extending flange therearound, the other of said members including an outwardly extending stepped flange therearound, the stepped portion thereof being of greater depth than the thickness of the flat flange and having an inner diameter greater than the outer diameter of said flat flange, so as to provide an annular gap between the edge of the flat flange and the inner wall of the stepped flange when said members are assembled in telescopic relation with their respective apertures aligned, a sintered highly porous metal filter element of greater diameter than the flat flange and of less diameter than the inner diameter of the cup flange between said members, an annular resilient fluid impervious



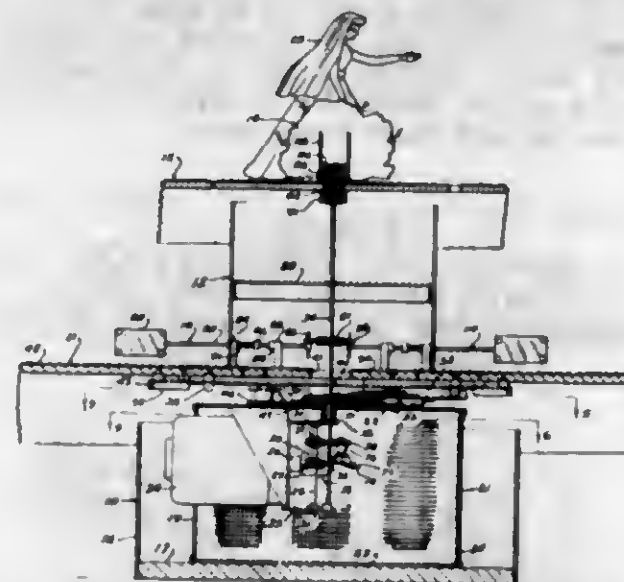
gasket interposed between said filter element and the flat flange, said gasket having a free diameter substantially equal to the inner diameter of the stepped flange, said gasket sealing the members and the element into a unit and completely filling said annular gap and the space between the wall of the stepped flange and the element when the stepped flange is turned over the flat flange in assembly of the device, and a removable drain plug threaded into an outlet in one of said members, said outlet being adjacent the edge thereof, spaced from the aperture in said member, said outlet and said aperture being spaced equidistant from the center of the device and aligned so as to define a straight line through the center of the device.

2,628,722

DISPLAY DEVICE

Vern G. Walsh, Fredericksburg, Va.
Application May 24, 1949, Serial No. 95,006

4 Claims. (Cl. 211-1.6)



1. A display device comprising a hollow base structure, an electric motor mounted in said base structure, a main shaft journaled in said base structure and projecting upwardly from the latter, a driving connection between said motor and said main shaft, a table disposed above said base structure and having a central aperture receiving said main shaft, antifriction means supporting said table on said base structure for

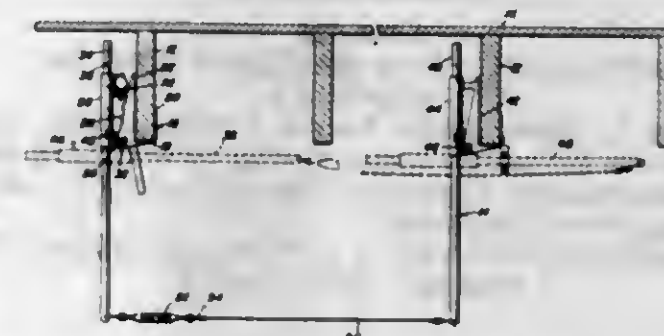
rotational movement of said table, means providing an intermittent drive connection between said main shaft and said table, latch means acting between said base structure and said table releasably holding said table against movement, latch operating means rotatable with said main shaft releasing said latch means at periodic intervals to free said table for intermittent rotational movements, shafts journaled on said table for rotational movement about their individual axes and extending outwardly from said main shaft, and means on said main shaft periodically driving said shafts during the intervals in which said table is releasably held by said latch means.

2,628,723

INDOOR CLOTHESLINE CONSTRUCTION

Vilas Earl Booth and Harold B. Bergeson, Wilmington, and Carl B. Potts, Coal City, Ill.
Application November 22, 1948, Serial No. 61,362

1 Claim. (Cl. 211-119.17)



A clothes line comprising a pair of spaced brackets mounted on supports, a pair of rods mounted for swinging movement on said brackets, a clothes line connecting one end portion of the rods, means on one of the brackets for releasably securing the rods in parallelism, and means on the other of said brackets for releasably securing the rods in longitudinal alignment, the first named means including a loop on one of the rods, a lever pivotally mounted on said one bracket, and a cam hook on the pivoted end portion of the lever engageable in the loop.

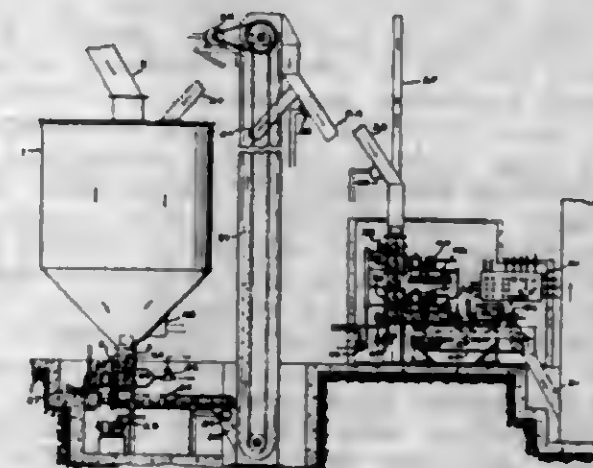
2,628,724

DELIVERY FOR PULVERIZED MATERIAL

Walter James Sackett, Baltimore, Md., assignor to The A. J. Sackett & Sons Company, Baltimore, Md., a corporation of Maryland

Application August 16, 1948, Serial No. 44,478

10 Claims. (Cl. 214-2)



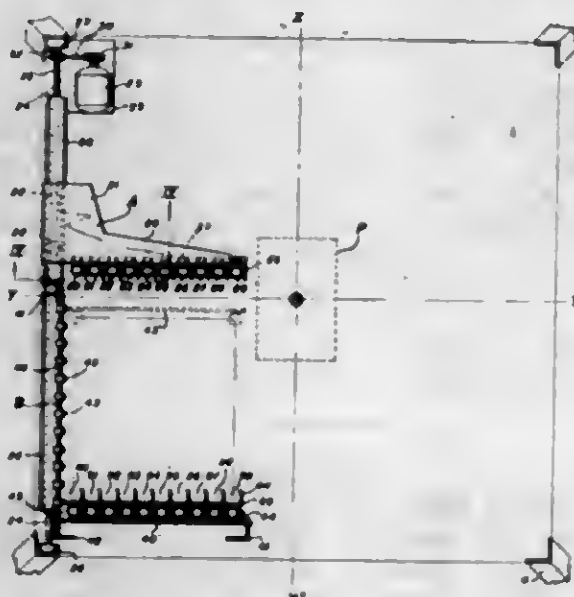
1. Pulverized material delivering apparatus characterized by substantially continuous operation to supply continuously a driven weighing conveyor with a substantially constant uniform load of a uniform admixture of material with

air comprising in combination a relatively large storage bin to which pulverized material is fed, a relatively small feed head bin of substantially uniform cross-sectional area, to which material is fed from the storage bin to maintain a given head in the feed head bin, and through which material constantly flows by gravity in substantially uniform quantity, substantially continuously driven conveyors between said bins to deliver material from the storage bin to the feed head bin, a substantially horizontal conveyor receiving material in regulable quantity from said feed head bin, air tight vaned rotating valves beneath each bin in the feed lines therefrom receiving material by gravity from the feed head bin and through which valves the material passes to maintain the material with uniform admixture with air, means to drive said valves and conveyors at related speeds to maintain a substantially constant head of material in the feed head bin and a substantially constant flow of material from the horizontal conveyor.

2,628,725

APPARATUS FOR RACKING PIPE IN DERRICKS

Albert L. Stone, Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 3, 1951, Serial No. 254,782
4 Claims. (Cl. 214-2.5)

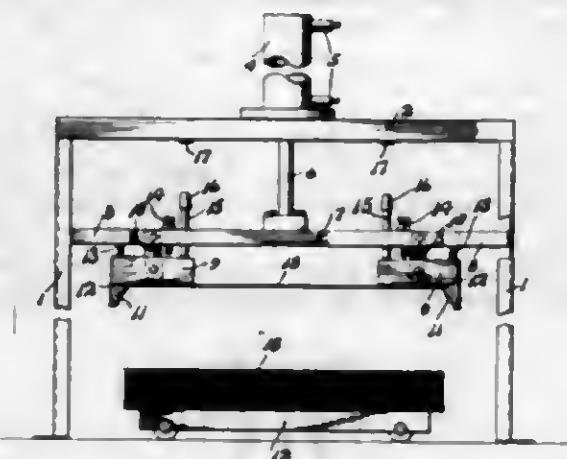


1. Means for handling pipe in a derrick comprising, in combination, a lateral trackway adapted to be mounted substantially horizontally in the derrick substantially parallel to a side of the derrick, a transfer assembly mounted on said trackway for movement therealong between pipe receiving and pipe transferring positions, said transfer assembly comprising an arm extending substantially horizontally and substantially perpendicular to said trackway, said arm having means adapted to receive and laterally support a row of stands of pipe, means for moving said transfer assembly along said trackway, a racking assembly comprising a plurality of laterally spaced fingers cooperating to define open ended pipe receiving recesses and means supporting said fingers in substantially horizontal positions substantially parallel to said trackway, each of said recesses being adapted to receive a stand of pipe from said row of stands in said transfer assembly upon movement of said transfer assembly along said trackway into pipe transferring relation to said racking assembly.

2,628,726

SHEET METAL FEEDER

Robert Van Schie, Grand Rapids, Mich.
Application September 19, 1949, Serial No. 116,503
8 Claims. (Cl. 214-3.5)

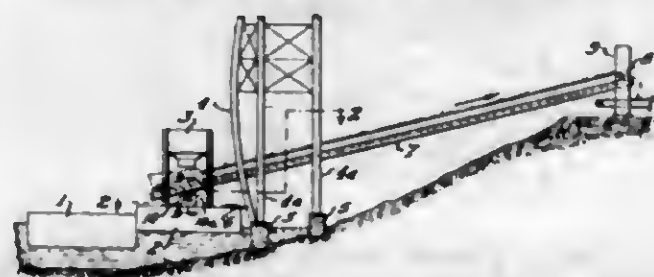


1. In a structure as described, a supporting frame having corner posts and an upper structure between and connecting the corner posts, a vertical rod mounted for reciprocating movements extending downwardly from said upper structure, means for reciprocating said rod, a head secured at the lower end of the rod, said head being of a generally rectangular form, short links pivotally connected at their upper ends to and extending downwardly one adjacent each corner of the frame, a gripper member pivotally connected between its ends at the lower portion of each link, each gripper member being normally located in a horizontal position and having at its outer end a downward extension, the inner edge of which is upwardly and inwardly inclined, each gripper member at the upper end of such inclined edge having a notch therein, spring means associated with each gripper member and portions of said head normally turning the gripper members toward a horizontal position, stop means on said head against which the gripper members engage when moved by said springs to substantially horizontal position, and members extending through said head, one for each gripper member at the inner end thereof and movable with the head, combined with abutment means on the upper structure against which said members are brought on upward movement of the rod and attached head to simultaneously swing the gripper members to depress their inner ends and elevate their outer ends.

2,628,727

BARGE UNLOADING DEVICE

Charles Anschutz, Dayton, Ky.
Application May 10, 1948, Serial No. 26,197
9 Claims. (Cl. 214-14)



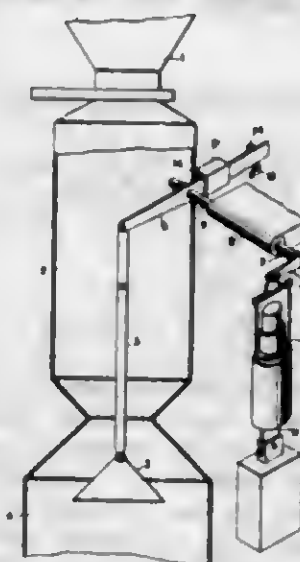
6. In a barge unloading device, a support positioned on shore, a rigid member fixed to said support at one end and adapted to be pivotally supported on a floating barge at its other end, a hopper fixed on said barge in a position substantially above the juncture of said rigid member and said barge, conveyor means associated

with said rigid member, and a stationary, upstanding arcuate guide member adapted to be connected by an edge of said barge whereby the receiving end of said conveyor means and said hopper are maintained in substantially constant relationship as the elevation of the barge is changed.

2,628,728

OPERATING DEVICE FOR THE CHARGING VALVES OF GAS PRODUCERS

Gilbert Chaplin, Stockton-on-Tees, England, assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England, a British company
Application August 6, 1947, Serial No. 766,528
In Great Britain February 17, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 17, 1960
1 Claim. (Cl. 214-36)

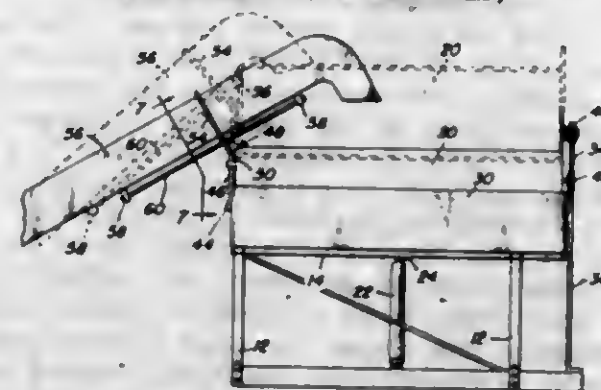


An operating device for the charging valve of a gas producer comprising a valve, a solenoid, mechanical means interconnecting said valve and solenoid for opening and closing said valve by actuation of said solenoid, means for energizing said solenoid by continuous impulses to urge said valve to closed position during each impulse with a power sufficient to close said valve only when said valve is free of obstruction by charging material in said gas producer, and means responsive to the energizing of said solenoid for overcoming the weight of the valve to move it to closed position and when free of obstruction.

2,628,729

DUMP BODY ATTACHMENT FOR GRAIN CONVEYERS

John F. Borchers, Henderson, Nebr., assignor of one-half to Harry Borchers, Henderson, Nebr.
Application March 15, 1949, Serial No. 81,428
6 Claims. (Cl. 214-42)



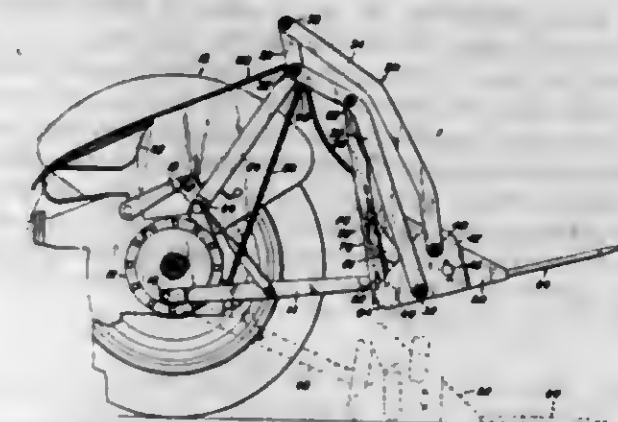
1. In a dump body attachment for a farm tractor, said attachment being of the type comprising a body box pivotally supported on a tractor

667 O. G.—44

tor above the top thereof to tilt about a horizontal axis adjacent one side of the tractor, means carried by the tractor and connected to the body box to tilt said box about said axle, means to support the discharge end of a grain conveyor in operative relation with said body box comprising a guide yoke mounted on one end of the body box to rotate above said body box about a normally vertical axis which is spaced from the horizontal axis and a guide slidably mounted in said guide yoke and connected to a grain conveyor near the discharge end thereof to hold the discharge end of said conveyor over said body box.

2,628,730

LOADING ATTACHMENT FOR TRACTORS
Carl F. Spelcher and Marcus E. Spelcher, Celina, Ohio, assignors to Celina Farm Tools, Inc., Celina, Ohio, a corporation of Ohio
Application September 12, 1949, Serial No. 115,148
5 Claims. (Cl. 214-140)



5. For use with a tractor having a pair of transversely spaced, power-liftable trailing hitch links pivotal about an axis located on the tractor, a rear end material handling device comprising a rigid member adapted to be pivoted to the tractor on a horizontal axis disposed above the corresponding axis of said hitch links, a pair of levers pivoted adjacent the free end of said member for movement in a vertical plane relative to said member, a load receptacle carried by said levers, a pair of coupling bars for respectively pivotally interconnecting said hitch links and said levers, and fixed length, flexible stop means connected between the tractor and said member to limit the upward swinging movement of said member, whereby said load receptacle and said member are simultaneously raised initially about said horizontal axis of said hitch links and the rigid member pivot axis, respectively, and the load receptacle is raised subsequently about the pivotal connection axis of said member and said levers.

2,628,731

HYDRAULICALLY OPERATED TRACTOR SHOVEL

Gottfried Reuter, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application September 17, 1949, Serial No. 116,391
4 Claims. (Cl. 214-140)

1. In a tractor propelled material-handling apparatus the combination of: a main frame, a lifting and lowering frame attached to the main frame; a bucket rockingly supported by said lifting and lowering frame; means to raise and lower said lifting and lowering frame; a double-acting cylinder-piston assembly having one end supported by one of said frames and the other end pivotally connected to the bucket; hydraulic

means to feed pressure fluid selectively into the chamber at one end of the cylinder of said assembly to rock the bucket into dumping position and into the chamber at the other end of the cylinder to restore the bucket to digging and carrying position; said hydraulic means including a fluid supply tank, a pump, piping and a control valve for the selective control of the flow of such pressure fluid; and a normally-closed short-circuit valve connected between said cham-

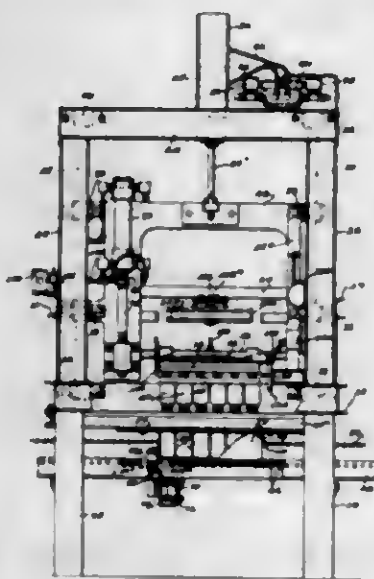


bers and adapted to open for a predetermined setting of said control valve of said hydraulic means to feed pressure fluid into the chamber at said one end of the cylinder to dump the bucket; said short-circuit valve being connected in the piping between said second-mentioned chamber and the main control valve in such a manner that when open it blocks substantially all return flow from said second-mentioned chamber to the main control valve and diverts it into the other end of the cylinder.

2,628,732

MACHINE FOR UNCASING BOTTLES AND JARS

Hugh T. Griswold, San Francisco, Calif., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application July 16, 1949, Serial No. 105,165
19 Claims. (Cl. 214-309)



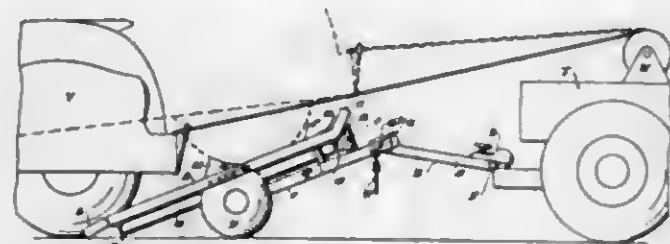
1. Apparatus for uncasing articles from cartons, comprising a battery of article-gripping devices, a carrier on which the gripping devices are mounted, a horizontal conveyor on which the cartons are supported, said conveyor being mounted to travel horizontally and bring the cartons singly and in succession to an uncasing station, means positioned to arrest each carton at the uncasing station, automatic means for driving the conveyor intermittently and thereby advancing a succession of the cartons, means cooperating with the cartons to arrest the conveyor as each carton is arrested at the uncasing station, said

carrier being mounted for up-and-down movement over each carton at said station, means for lowering the carrier and causing said gripping devices to grip the upper ends of the articles in the carton, means for then lifting the carrier and withdrawing the articles from the carton while suspended from the gripping devices, means for then rotating the carrier about a horizontal axis and thereby inverting said articles by the force applied thereto through the gripping devices and with the articles unsupported except at said ends, and means for releasing the articles from the gripping devices.

2,628,733

TOWING DOLLY

Jack C. Hale, San Jose, Calif.
Application October 10, 1949, Serial No. 120,535
4 Claims. (Cl. 214-506)



1. In a towing dolly including a frame for supporting the two lead wheels of a conventional automotive vehicle to be towed, a two wheeled undercarriage having a forwardly extending tongue adapted to be hitched to a tractor, and a hinge connection on said tongue permitting tilting of said undercarriage and frame into a rearward inclined position for receiving the lead wheels of the vehicle to be towed and limiting tilting of said frame and undercarriage against tilting forwardly beyond alignment with said tongue; the combination therewith of a turntable connection between said frame and undercarriage comprising a plate on said frame adapted to bear against said undercarriage, a vertically disposed pin extending through said plate and undercarriage, and a roll at the fore end of said undercarriage for supporting the fore end of said frame for swinging movement about said vertically disposed pin.

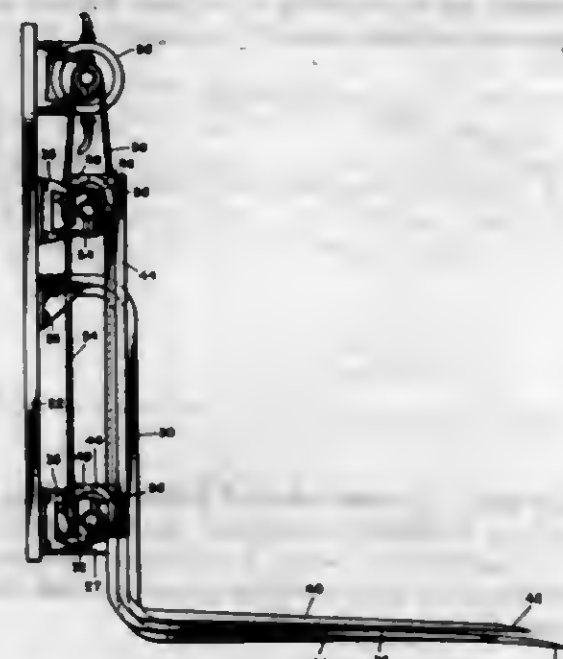
2,628,734

SACK HANDLING DEVICE FOR LIFT TRUCKS

Newman C. Jannsen, Seattle, Wash., assignor, by direct and mesne assignments, to Bestway Equipment Co., Inc., Seattle, Wash., a corporation of Washington
Application March 1, 1948, Serial No. 12,229
3 Claims. (Cl. 214-750)

1. A sack handling device for use with an industrial truck of the lift or fork type, consisting of: a backing plate adapted to be secured in a vertical position to the elevator carriage of an industrial truck; a plurality of fixed fork tines secured to said backing plate and extending outwardly therefrom to form a substantially level load carrying platform; a plurality of movable fork tines disposed between and adjacent said fixed tines; two shafts disposed in spaced parallel relationship one above the other adapted to position said movable tines; bearings secured to said backing plate adapted to revolvably support said shafts; reversible drive means for said shafts; eccentrics secured to said shafts all in the same angular relationship and adapted to operatively

engage said movable tines and move them alternately above and below the plane of the fixed

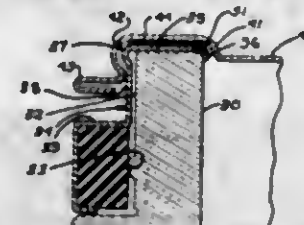


tines and to move them back and forth longitudinally of said fixed tines.

2,628,735

CONTAINER CLOSURE

Patrick G. McGowan, Fremont, Mich., assignor to Gerber Products Company, Fremont, Mich., a corporation of Michigan
Application December 22, 1947, Serial No. 793,199
4 Claims. (Cl. 215-38)



4. In combination with a glass, ceramic, etc. container having a mouth surrounded by a rim and a shoulder adjacent thereto; a reusable closure member comprising a ring including a flange covering the rim, said ring including a shoulder having a side extending toward and terminating closely adjacent the container shoulder to prevent the insertion of a tool therebetween, a gasket compressed between the container and said ring for frictionally securing the latter in position on the sides of the container, a cap closing the mouth of the container and including an outer flange terminating adjacent to but spaced from said ring shoulder to permit the insertion of a closure-removing tool therebetween, and adhesive means sealing said cap to said ring flange, said ring and said gasket being slidable over the rim into operative position against the container shoulder.

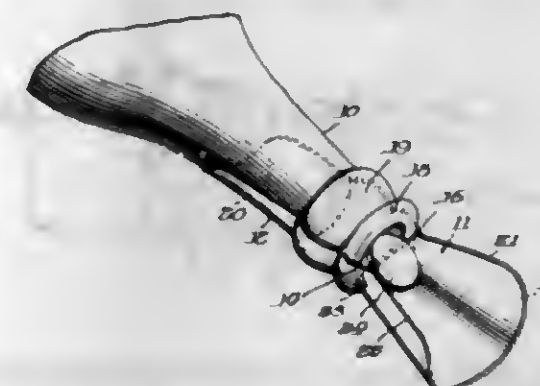
2,628,736

DRINKING MOUTHPIECE FOR BOTTLES

Alan J. Warneke, Chicago, Ill.
Application September 15, 1945, Serial No. 616,507
1 Claim. (Cl. 215-101)

A drinking mouthpiece for bottles having necks with a plurality of convexities adjacent to their discharge openings, said mouthpiece being formed of stiff and resilient sheet material and shaped into an open spout-like body along the whole length thereof with a curvature slightly in excess of a semi-circle and a capability of slight flexure therefrom relative to the longitudinal median of the mouthpiece, said mouthpiece hav-

ing a neck-engaging portion shaped with circumferential troughs conforming to said convexities and adapted to embrace resiliently the neck of a bottle immediately adjacent to the discharge opening thereof and a drinking portion flaring outwardly from said first portion to form a lip of wider extent than the discharge opening of the bottle, said neck-engaging portion and drink-

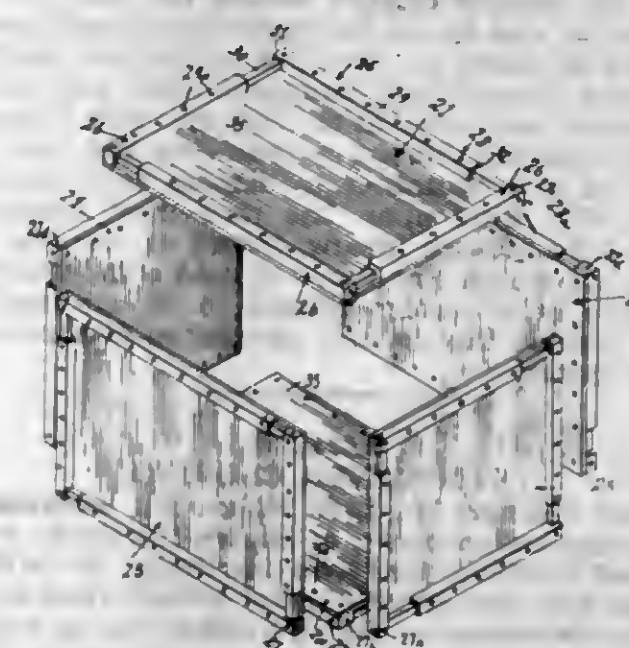


ing portion being continuations of one another along a substantially straight line and said neck-engaging portion adapted to be sprung laterally onto the neck of a bottle with a snap action to constitute the sole means of attachment of said mouthpiece to the bottle, and simultaneously to fix the drinking portion in position to guide the contents of the bottle to said lip for comfortable drinking therefrom.

2,628,737

ADJUSTABLE PACKING CASE AND THE LIKE

Adolph J. Zenl, Brooklyn, N. Y.
Application July 3, 1948, Serial No. 36,923
7 Claims. (Cl. 217-12)

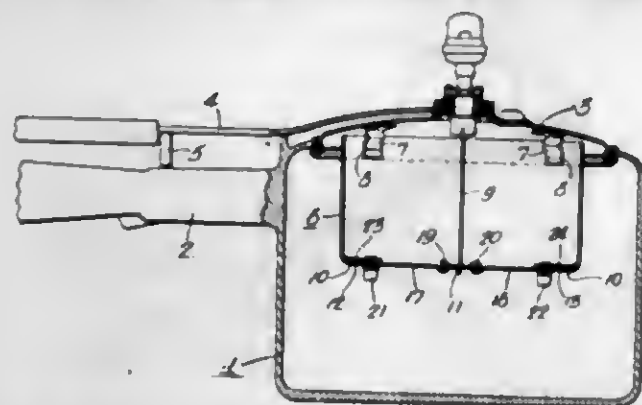


3. In a prismatic packing case, rectangular planar sides, each side comprising an adjustable frame and a plane closure member detachably secured to the frame after the same has been adjusted, said frame being composed of angular corner members their respective legs overlapping and being slidable on one another for adjusting the size of the frame, one of each of said pairs of legs slidable on another being tubular and telescopically engaging the same, a plurality of holes through said legs and through said plane closure members, respective holes being adapted to be placed into registering relation and securing means for said closure members passing through respective registering holes, and through registering holes in the rectangular closure member attached thereto.

2,628,738

COOKING DEVICE

John H. Hildale, Philadelphia, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 5, 1947, Serial No. 784,245
5 Claims. (Cl. 220-23)



1. A steam pressure cooker adapted for the cooking of food in the lower portion thereof by the combined heat and pressure within said cooker, comprising a vessel having an open upper end, a lid bodily removable from said vessel and adapted to close said open end in pressure sealing relation, an auxiliary food container attached to the underside of said lid and adapted for the reception of food to be cooked in the upper portion of said cooker by the combined heat and pressure within said cooker, said container having a partition therein dividing said container into at least two vertically disposed compartments each with an opening in the bottom thereof for the inserting or removing of food into or from the compartments without separation of said container from said lid, hinged closure means for each of said openings, and means for maintaining said closure means in closed position but permitting selective opening thereof, said container being adapted for insertion and removal of food into and from the compartments thereof by removing and inverting said lid and container to dispose said openings upwardly, whereupon the user may selectively open said closure means, insert or remove food into or from one or more of said compartments, operate said closure means to closed position, and replace the lid and associated container on said cooker.

2,628,739

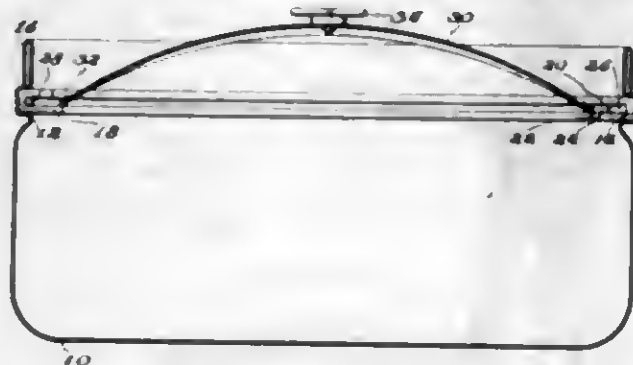
CONTAINER CLOSURE

Alfred Vischer, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to Alfred Vischer, Jr., two-thirtieths to William Vischer, two-thirtieths to Alfred Vischer, III, two-thirtieths to Alfred Vischer, Jr., as trustee, four-thirtieths to Walter W. Zitzewitz, four-thirtieths to Elmer K. Zitzewitz, one-thirtieth to Gertrude J. Zitzewitz, one-thirtieth to Barbara O. Zitzewitz, and two-thirtieths to Gertrude V. Bonton

Application June 7, 1946, Serial No. 875,234
12 Claims. (Cl. 220-24)

1. A container and closure comprising a container shell having an annular internally channeled ring secured therein adjacent the top edge thereof, said ring having an opening in its upper flange and a smaller opening in its lower flange, said openings being circular and concentric, and a flexible sheet metal closure internally stressed so as normally to assume a warped shape in which the projection of its peripheral edge upon a plane perpendicular to its polar axis is substantially an ellipse having its minor axis shorter than the diameter of the opening in the

upper flange of the ring, said closure when a force directed downwardly near the center thereof is opposed by upwardly directed forces along the peripheral edge thereof, assuming a dome-

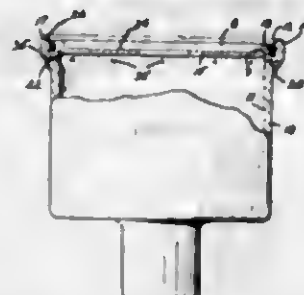


like shape with its peripheral edge circular, said closure when in closing position in said container having its peripheral edge positioned within the groove of the ring and held in place by the flanges of the ring forming the groove.

2,628,740

SPINNING BUCKET AND COVER THEREFOR

Hugh D. Haley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 10, 1948, Serial No. 59,316
7 Claims. (Cl. 220-61)



1. Apparatus for collecting a strand material comprising a spinning bucket having a rim portion and a body portion, an interior cylindrical surface within the rim portion of a slightly larger diameter than the cake forming surface of the body portion, an annular surface extending between adjacent ends of the surfaces, a cover for the bucket of smaller diameter than the inner diameter of the rim portion, a groove along the peripheral surface of the cover, and a plurality of resilient arcuate members occupying the groove having a thickness in the range of from one to two times the depth of the groove and such that portions of the resilient members protrude exteriorly of the groove to engage the cylindrical surface of the rim portion.

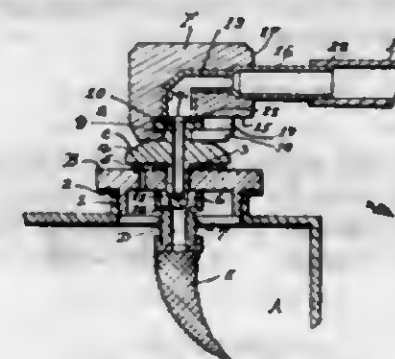
2,628,741

FUEL TANK WITH DISCHARGE COUPLING

Charles C. Wilds, Naselle, Wash., assignor of one-half to Frank P. Andring, Naselle, Wash.
Application June 10, 1949, Serial No. 98,380
1 Claim. (Cl. 220-86)

An arrangement of the character described comprising, a fuel reception and storage tank provided in one side with a filling opening, a closure cap for the tank opening, a conduit attached to the underside of the cap and having an open lower end communicating with the interior of the tank, the upper end of the conduit being enlarged to form a chamber immediately below the cap, a valve seat in the lower end of the chamber, a fitting embodying a main head and a sup-

plemental head positioned in spaced relation above the main head to provide a channelway between the heads, the fitting also embodying a stem depending from the main head and having a lower end in the form of a valve, the fitting being rotatably mounted in the closure cap with the lower valve end of the stem disposed in the conduit chamber whereby the stem valve is movable toward and away from the valve seat upon rotation of the fitting, the fitting being provided with a bore extending through both of the heads

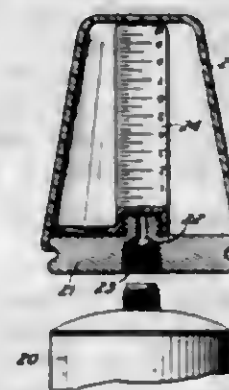


thereof and having an open upper end, the stem being provided with a continuation of said bore but the bore terminating short of the lower end of the stem, the stem above its lower end being provided with passageways communicating at their inner ends with the lower end of the stem bore and at their outer ends with the chamber of the conduit at a point above the valve seat thereof, and the supplemental head of the fitting adapted to detachably engage a fuel supply pipe for delivery of fuel thereby to the upper open end of the fitting bore.

2,628,742

MEASURING DEVICE FOR TOOTH PASTE TUBES

Jorgen Vilbe Kierulff, Los Angeles, Calif.
Application February 1, 1949, Serial No. 73,920
In Sweden February 4, 1948
5 Claims. (Cl. 222-23)



1. A cap for closing the opening of a squeezable tube, comprising cover means to close said opening, a longitudinally projecting graduated scale on said cover means, and an offset bracket for attachment to said tube.

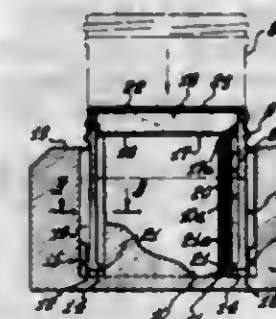
2,628,743

COLD CREAM AND CHEMICAL CREAM DISPENSING JAR AND CONTAINER WITH FOLLOWER RESTING ON A VERTICAL COLUMN

Thomas J. Newlyn, Los Angeles, Calif.
Application October 19, 1948, Serial No. 55,408
4 Claims. (Cl. 222-173)

1. In a dispensing device of the character described, a base with an annular well entering it from its upper end and establishing a vertically

projecting column and a cylindrical wall spaced from and surrounding the column concentric therewith, a tubular container open at its upper and lower ends and having an inwardly extending projection at its lower end slidably engageable over the column, the container being entered in the well with the lower end portion of the

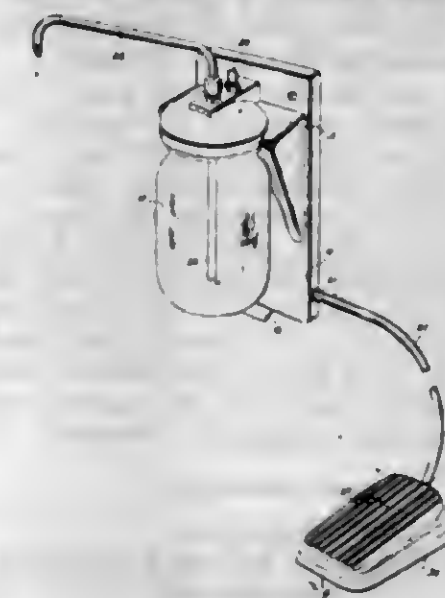


container engaged over and spaced from the column and within said wall, and a rigid bottom slidable in the container having an upturned peripheral sealing lip slidable in the container, the bottom being retained in the container by the projection and supported by the column when the container is depressed relative to the base.

2,628,744

LIQUID SOAP DISPENSER

Douglas T. Mowbray, Waterloo, Iowa
Application September 27, 1948, Serial No. 51,353
1 Claim. (Cl. 222-179)



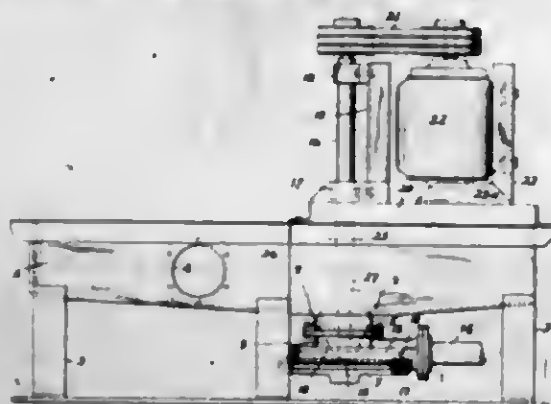
In a device of the class described, a jar, a bracket detachably engaging and supporting said jar and forming a sealed top therefore; said bracket designed to be secured to a supporting surface, a passageway in said bracket having one end communicating with the inside top of said jar and its other end communicating with the outside atmosphere, a foot operated bellows designed to be supported on a suitable surface, a conduit having one end communicating with the inside of said bellows and its other end communicating with the inside of said passageway, a permanently open liquid dispensing conduit having one end communicating with the inside bottom of said jar, its length passing through said bracket and its free end terminating beyond the vertical plane of said jar and bracket; said liquid dispensing conduit extending upward and away from said bracket for a substantial distance and at an acute angle relative to the horizontal and having a portion less than one-fourth of its length extending vertically at its free end;

the free end of said liquid dispensing conduit being cut on the bias whereby a plane defined by three separated points on the free end of said liquid conduit will form an acute angle with a horizontal plane.

2,628,745

PUMP APPARATUS

Daniel Murphy, New Castle, Pa.
Application January 12, 1946, Serial No. 640,911
2 Claims. (Cl. 222-383)



1. A pumping system for liquid containing abrasive particles, said system comprising a tank for a pool of liquid to be pumped and from which the liquid may overflow, a filtering screen in said tank, an inlet for liquid on one side of said screen, and an outlet opening in the bottom of the tank on the opposite side of said screen, a rotary pump for propelling liquid from said pool, said pump having a body mounted beneath said tank and having an inlet connected to the outlet of said tank, a discharge passage extending from the pump body, an impeller in said pump body, a vertical drive shaft mounted in vertically spaced-apart bearings borne by said tank above pool level, said drive shaft extending entirely through said pool to said pump body for supporting said impeller for rotation in the pump body with all bearings above the overflow level and out of contact with the liquid in said pool, said drive shaft having a downwardly tapered lower end portion immersed in said pool, and means mounted on said tank above pool level for rotating said shaft and the impeller supported thereby.

2,628,746

MULTIORIFICE SANITARY TOOTH PASTE DISPENSER

Richard T. James, Philadelphia, Pa.
Application June 11, 1949, Serial No. 98,504
2 Claims. (Cl. 222-486)



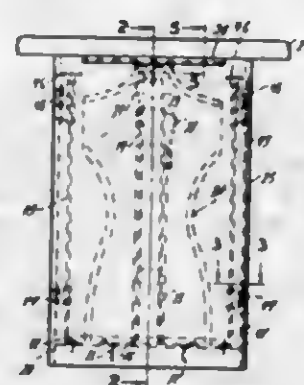
1. A toothpaste dispenser cap comprising a fixed portion having a passageway adapted to fit

over the discharge opening of a tube of toothpaste, an upper surface wherein said passageway terminates, a movable portion affixed to and covering the top of said fixed portion, and a plurality of egress passageways each terminating in an outwardly extending discharge or nozzle on said movable portion whereby only one at a time of said egress passageways can be in communication with said first named passageway on said fixed portion and whereby said movable portion can completely seal said first named passageway terminal, each of said egress passageways being on said movable portion.

2,628,747

ENCLOSED RETRACTABLE DRESS FORM

Griffith M. Smith, Richmond Heights, Mo.
Application October 27, 1949, Serial No. 123,867
5 Claims. (Cl. 223-68)

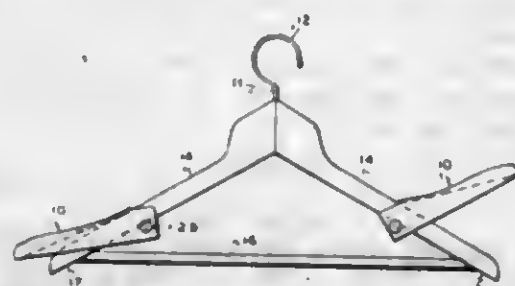


1. In a dress form assembly of enclosed type, a dress form of vertically extensible retractable type, a base centrally of which the dress form is supported, an open end element surrounding the dress form and of a height at least equal thereto when the form is in retracted position, a top closure for the open end element, the base serving as a bottom closure therefor, latch means by which the open end element is detachably secured to the base, and means connected to the latch means, and accessible near an upper portion of the open end element for actuating the latch means, the open end element further being of a height such that the element may extend upwardly into a skirt portion of a garment on the form, when the latter is in an extended position.

2,628,748

COAT HANGER EXTENSION PAD

Louis M. Stratta, Watervliet, N. Y.
Application June 26, 1952, Serial No. 295,629
6 Claims. (Cl. 223-88)



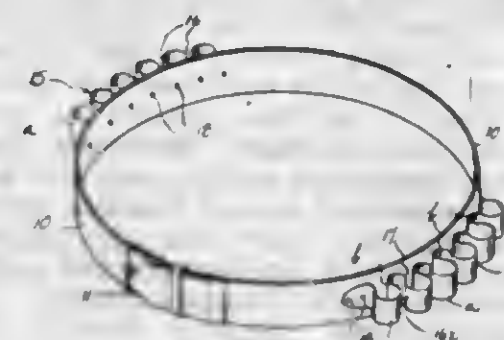
1. A portable coat shoulder support adapter for adjustably mounting along a side portion of a clothes hanger having parallel side walls, the clothes hanger having two oppositely and angularly extending side portions, said adapter comprising a solid body somewhat pear-shaped in

plan, said adapter tapering from its wide end toward its stem end and having an inverted U-shaped channel extending longitudinally along the bottom surface commencing adjacent the wide end and ending at an angle to its upper surface and intersecting said upper surface at a distance from its stem end, said distance being at least equal to the height of the intermediate portion of a side portion of the clothes hanger, the width of said channel throughout said distance being sufficiently greater than the width of the intermediate portion of the side portion of the clothes hanger to permit the clothes hanger to slide freely therealong therethrough, the portion of the channel from said distance to the wide end being somewhat narrower and of a width to frictionally engage the sides of the clothes hanger portion and substantially lock said adapter against movement along the clothes hanger side portion.

2,628,749

HUNTER'S BELT

Carl Edwin Ryden, Seattle, Wash.
Application May 22, 1950, Serial No. 163,499
1 Claim. (Cl. 224-7)



A cartridge and game holding means comprising a flat flexible belt adapted to be fastened and worn about the waist of the wearer, and a strip of resilient metal extending longitudinally along the outer face of the belt and on at least one side of the wearer, the metal strip being formed into a succession of curved and reentrant curved loops providing a series of resilient oppositely opening transverse pockets to grip and hold articles therein, a number of the pockets opening inwardly toward the belt and the rest of the pockets being between each inwardly opening pocket and opening outwardly away from the belt, each loop having a circular portion of more than one hundred and eighty degrees in extent and being provided with a restricted opening comprising an entrance to each pocket, the inwardly opening pockets being larger in area than the outwardly opening pockets, the inwardly opening pockets receiving and holding cartridges while the outwardly opening pockets receive and hold game, the metal strip being secured to the belt at each end and at the base of each outwardly opening pocket so that the resiliency of each respective pocket is relied upon to securely hold the cartridge and game placed therein.

2,628,750

WATER BAG CARRIER

Martin H. Palmer, El Portal, Calif.
Application October 16, 1950, Serial No. 190,337
2 Claims. (Cl. 224-42.03)

1. A water bag carrying attachment for vehicle bumpers comprising a post having a rope receiving coil at one end, a channel adjustably mounted

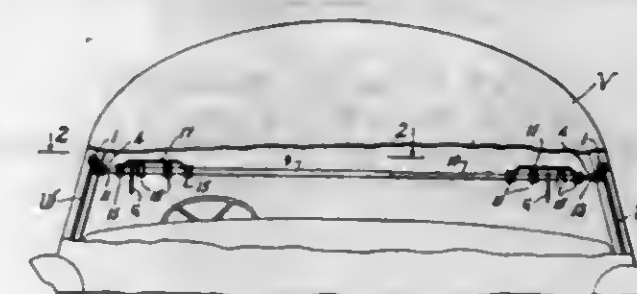
on the other end of the post for engaging the lower edge of a bumper, and a hook member



2,628,751

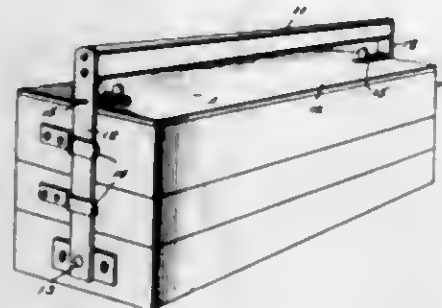
DEMOUNTABLE GARMENT HANGER

Vern W. Bain, Van Nuys, Calif.
Application August 29, 1949, Serial No. 112,884
2 Claims. (Cl. 224-42.1)



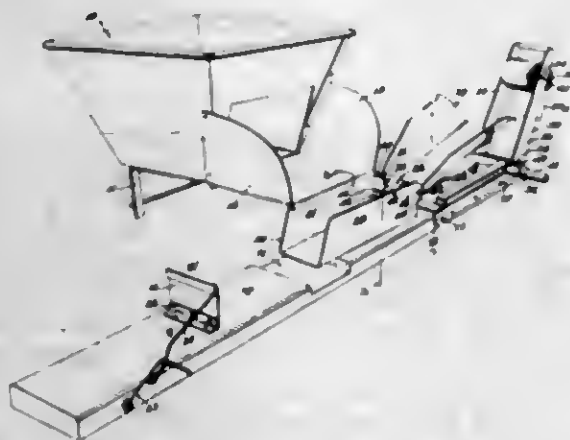
1. A demountable garment hanger for motor vehicles comprising a pair of telescopically interengaging tubular members combining to form a garment supporting rod; each of said tubular members at the end thereof remote from the point of interengagement being flattened and having a hole extending through said flattened end, and a pair of hook elements demountably supporting said rod transversely of a vehicle; each of said hook elements comprising a strip of metal bent on itself to form a hook portion engaging the upper edge and adjacent side faces of a vehicle window and having a resilient lining engaging the edge and sides of the window; the portion of each of said hook elements engaging the inner side of the window extending below the end of the hook portion engaging the outer surface of the window and terminating in a laterally extending rod supporting ledge having an upwardly extending stud extending through the holes in said flattened ends; the thinness of said flattened end portions and the clearance between each of said studs and the associated hole in said flattened ends being sufficient to permit the unobstructed raising and lowering of either vehicle window engaged by said hooks relative to the opposite window.

2,828,752
TOOLBOX WITH PIVOTED TRAY SECTION
 Richard B. Corkish, Nantucket, Mass.
 Application May 31, 1951, Serial No. 229,056
 1 Claim. (Cl. 224-45)



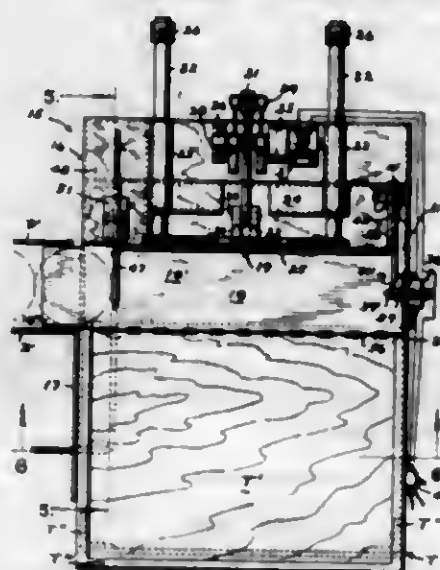
In a tool box, a plurality of superimposed tray sections, a handle by means of which said tray sections are supported, said handle including end bars pivotally connected to the ends of the lowermost tray section, said bars overlying the ends of adjacent upper tray sections, open ended cleats secured to the ends of the tray sections, the open sides of the cleats being disposed in the same direction, said end bars of the handle adapted to move into the open ends of the cleats, securing the trays against movement in one direction, a closure closing the uppermost tray, and sliding bolts mounted on the closure adjacent to the ends thereof, said bars having openings into which said sliding bolts move when the end bars and handle are elevated to a carrying position, thereby locking the handle in its carrying position.

2,628,753
PLANT PACKING MACHINE
 Alan D. Field, Eatontown, N. J.
 Application October 22, 1949, Serial No. 122,930
 4 Claims. (Cl. 226-1)



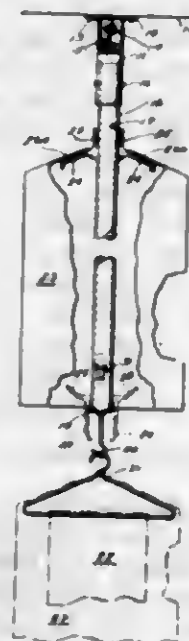
1. A packing machine comprising a U shaped housing, a base having a U shaped recess and a movable plate assembly; a first end of said U shaped housing extending over said U shaped recess in said base, said U shaped housing acting as a transverse guide for said plate assembly; said plate assembly comprising a lower plate, an upper plate and biasing spring; said lower plate and said upper plate being hinged together said upper plate being biased by means of said biasing spring into vertical alignment in a plane of said lower plate, said upper plate having a portion cut-out of essentially U shaped form, said lower plate being shaped to fit into said U shaped housing.

2,628,754
ARTICLE-TRAYING UNIT
 John B. Albino, San Leandro, Calif.
 Application July 24, 1947, Serial No. 763,358
 3 Claims. (Cl. 226-15)



1. In combination with a conveyor providing a supply line of articles to be loaded upon a tray, a bed-plate having slide-transfer and tray-supporting surfaces meeting at a common straight line and having said transfer surface aligned with the delivery line of the conveyor for receiving a line of articles from the conveyor, a normally withdrawn push member operative laterally against the positioned articles on the transfer plate in a line parallel to said first line to slidably move them from the latter onto the bottom of a tray disposed on the tray-supporting surface, a gate member carried by the push member in rigid relation thereto and operative directly through the supply line of articles to prevent their advancement into the zone of operation of the push member while the push member is operative, and a second gate member directly and shiftably carried by the bed-plate and operative as and independently of the first gate.

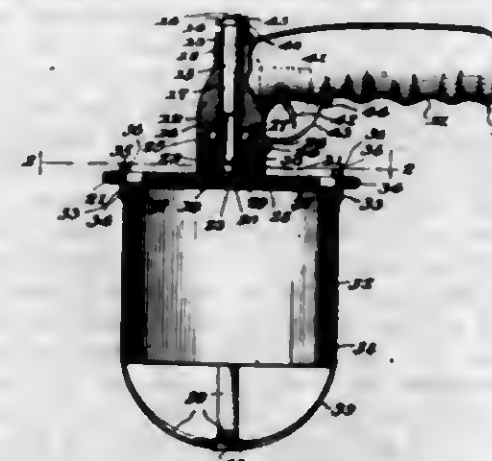
2,628,755
GARMENT BAG SUPPORTING AND ELEVATING DEVICE
 Tony F. Marchionda, Struthers, Ohio
 Application April 13, 1951, Serial No. 220,863
 5 Claims. (Cl. 226-18)



1. A garment bagger comprising in combination a vertically positioned tubular member hav-

ing oppositely disposed longitudinally extending slots in the sides thereof, means on the upper end of the tubular member for securing it to an overhead support, and a hook on the lower end of the tubular member for supporting a garment hanger, a coil spring secured to the uppermost end of the garment bagger and lying within the tubular member, a tubular body member secured to the lower end of said spring, said tubular body member having a pair of oppositely disposed slots in its side walls, a plunger disposed in said tubular body member, the lower end of the plunger having two pairs of oppositely disposed slots formed therein at right angles to one another, one of said pairs of slots registering with said pair of slots in the tubular body member, a pair of arms pivoted to said tubular body member, the other pair of slots in said plunger providing clearance for the pivot on which said pair of arms swing, cams formed on said arms and engaging said plunger whereby the arms are retained in substantially horizontal position by said plunger engaging said cams thereon and in substantially vertical position when said plunger engages a different surface in said cams, sideward extensions on said arms at substantial right angles to said arms, said arms and extensions lying outside the tubular body member and acting to hold a garment bag.

2,628,756
ICE-CREAM PACKAGING MACHINE
 Walter H. Allison, deceased, late of Takoma Park, Md., by Naomi T. Blick, administratrix, Mount Rainier, Md.
 Application April 12, 1950, Serial No. 155,544
 6 Claims. (Cl. 226-19)

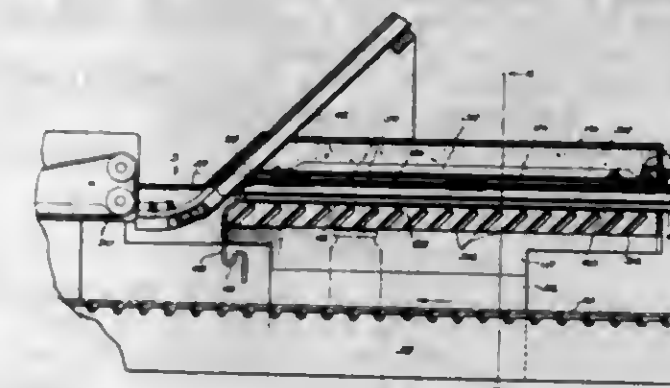


1. An ice cream packaging device comprising a handle, a hollow hub portion at one end of said handle, a flexible cable entering one end of said hub, said cable having a sheath terminating within the hub and secured thereto, and an inner shaft extending beyond said sheath, a plate removably secured to the end of said shaft, a sleeve removably attached at one end to said plate and having a plurality of blades which are inclined in cross-section and curved convexly along their length outwardly from the other end of said sleeve, and means for causing rotation of said shaft.

2,628,757
STEAM CHEST FOR SEALING MACHINES
 Winthrop L. Brown, Newburgh, Ind., and Allen B. Foye, West Bridgewater, Mass., assignors to Bernardin Bottle Cap Co., Inc., Evansville, Ind., a corporation of Indiana
 Application March 25, 1948, Serial No. 18,964
 4 Claims. (Cl. 226-82)

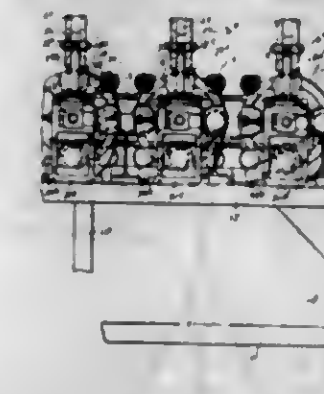
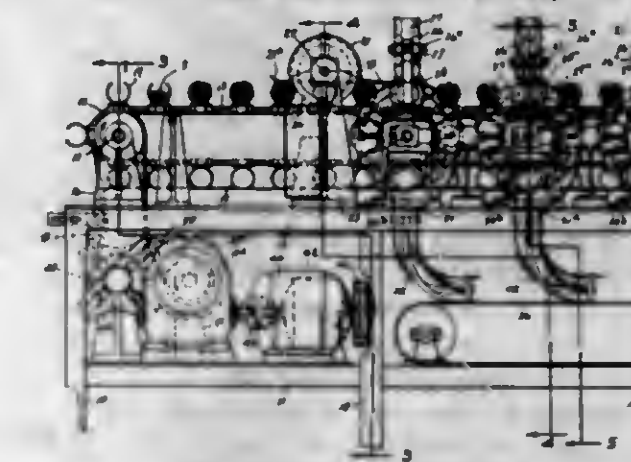
1. A steam chest for subjecting the head spaces

of filled containers to an atmosphere of steam while they are being conveyed in progression, for sealing caps on the containers, comprising: walls forming a steam channel having sides, a top, and an open bottom, and extending longitudinally of the movement of, and over, the containers, a steam pipe in the channel extending longitudi-



nally thereof and provided with openings for discharging hot vapor into the channel, a superheater for the steam, on the outside of one of the walls of the channel, a jacket enclosing the superheater and the walls of the channel, and heat insulating means in said jacket and around the superheater.

2,628,758
PACKAGING MACHINE
 Alfred C. Gannon, Indianapolis, and Cornelius E. Kilby, Knightstown, Ind., assignors to Kingan & Co. Incorporated, Indianapolis, Ind., a corporation
 Application September 22, 1949, Serial No. 117,212
 15 Claims. (Cl. 226-96)



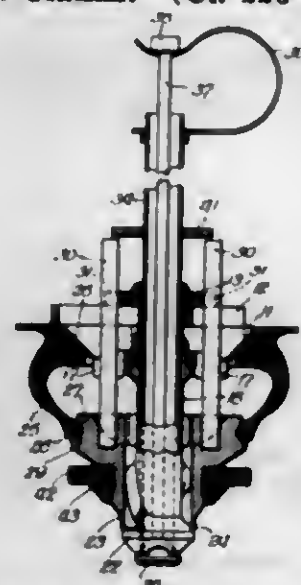
15. The method of packaging material which comprises the steps of placing the material of a length exceeding the combined height of a plurality of containers to be packed simultaneously into a plurality of axially aligned holders, cutting the material between the holders, moving the axially aligned holders through parallel planes of movement to a series of progressively offset packing stations, moving each

holder from alignment with its adjacent holder at its packing station, and forcing its charge of material into a container.

2,628,759

RECEPTACLE FILLER

Raymond E. Bodendoerfer, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application October 21, 1947, Serial No. 781,203
4 Claims. (Cl. 226-124)

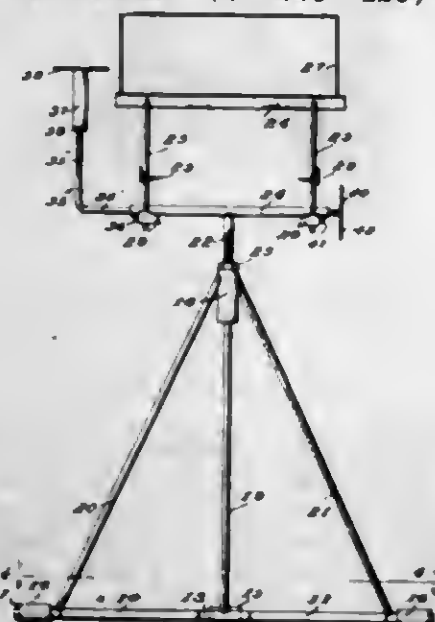


1. In a receptacle filling apparatus of the class described, the combination of an inner annular member, an intermediate annular member and an outer annular member forming an annular flow passage therebetween, inwardly disposed valve means and outwardly disposed valve means at one end of said intermediate annular member against which the inner and outer annular members are adapted to seat and with respect to which said inner and outer annular members are axially retractable concurrently in the same direction, attaching means whereby the flow passage between said outer and intermediate annular members may be retained in engagement with a source of flowable material, and means for concurrently retracting said inner and outer annular members substantially concurrently.

2,628,760

PACKING STAND

Collin F. Stevens, Millenbeck, Va.
Application October 9, 1947, Serial No. 778,931
8 Claims. (Cl. 226-129)



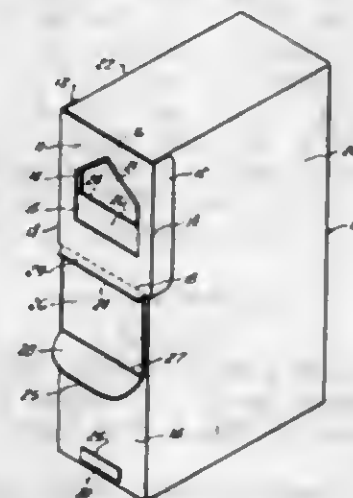
8. In a packing stand, a horizontally disposed tubular supporting member, a pair of cylindrical

bars connected intermediate their ends to said tubular supporting member, said bars being inclined upwardly from their forward ends, a pair of box supporting members carried by each bar in spaced relation axially of the bar, each of said box supporting members including a base plate having a connection with the respective bar for adjustment laterally thereof, and a box engageable flange extending upwardly from the base plate of each box supporting member.

2,628,761

ATTACHABLE CLOSURE FOR CONTAINERS

Charles R. Yancey, Dallas, Tex., assignor of forty-five per cent to Katherine Knapp Yancey and ten per cent to E. Hastings Ackley, both of Dallas, Tex.
Application August 20, 1949, Serial No. 111,402
6 Claims. (Cl. 229-7)

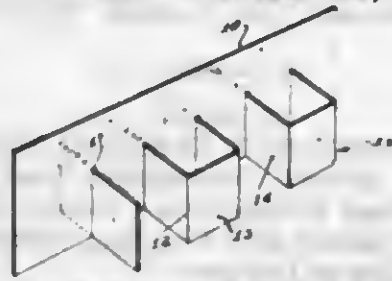


1. In combination, a carton having side body walls and end closures and a closure attachment including, a frame member having an aperture therethrough, lateral flaps on the frame member secured to the container affixing the frame member adjacent the upper end and contiguous to the exterior of one of the container side body walls with the aperture in said frame member initially closed by and defining a potential aperture in said side body wall, an elongate substantially rectangular closure gate initially secured at one end to the frame member and at its opposite end to the carton and detachable from said frame member and carton so as to be subsequently interposable between the contiguous frame member and side body wall to slide therebetween to adjustably close the opening provided by the registering frame and side body wall apertures after the same have been initially opened.

2,628,762

CARTON

Richard O. Spalding, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 21, 1949, Serial No. 100,399
1 Claim. (Cl. 229-15)



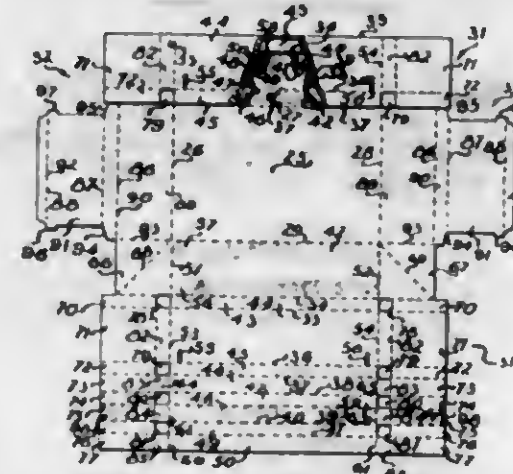
A carton comprising vertical parallel side walls, end walls perpendicular thereto and a cover hinged along the top edge of a side wall

and of a length and width substantially equal to the length and width of the carton, and partition strips separate from the carton and its cover, said strips including a longitudinal strip extending the full length of the interior of the carton and a second strip having a width less than that of the first strip and bent to provide a plurality of transverse sections united by integral sections lying against the inner surfaces of the side walls of the carton, the said strips together forming four sided cells, the cells on one side of the longitudinal strip alternating with those on the other side of the strip, the said transverse sections being united by integral sections lying against the inner surfaces of the side walls of the carton, the said transverse sections which form the end portions of said second strip being spaced apart from the end walls of the carton a distance substantially equal to the width of the said cells, the ends of the second strip abutting against the side walls, the longitudinal strip being formed with vertical slots extending upward from the bottom edge of the strip and through which the said transverse sections extend, the latter having a close fit within said slots throughout the length of the slots, the length of the slots being at least equal to the width of the second strip, the upper edges of said cells being spaced below the upper edges of the said walls of the carton, the assembled strips being bodily removable as a unit from the carton.

2,628,763

CARTON

William P. Frankenstein, Cincinnati, Ohio
Application January 3, 1947, Serial No. 720,125
14 Claims. (Cl. 229-31)



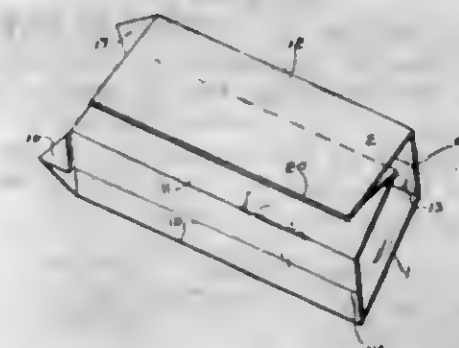
1. A carton of the class described formed from a single blank comprising a bottom, extensions from two opposed sides of said bottom subdivided into panels to form side walls upstanding from opposite edges of said bottom, each side wall including an inner and an outer wall member spaced from one another an appreciable distance with a top wall member joining the upper ends of said inner and outer wall members, means for articulating the said inner, outer and top wall members of each side wall to one another and to the bottom, each extension including panels to form beyond its inner and outer wall members alternate glue flaps and transverse braces with certain of said glue flaps connected to the interior surface of its inner wall member and certain of said glue flaps connected to the inner surface of its outer wall member with the transverse braces thereof extending between the said inner and outer wall members and parallel with the bottom at points intermediate the carton

bottom and side wall top wall member, so that each side wall and its braces may be folded flat for erection by merely raising same from its flat position to have its inner and outer wall members normal to the bottom and the braces parallel with the bottom, and extensions from the remaining sides of the bottom forming end walls to upstand therefrom, means for locking the side and end walls in said upstanding positions, said end walls each including an inner and an outer wall member joined at their upper ends, and means carried by the side walls to be engaged by the end walls inner and outer wall members.

2,628,764

READY WRAPPER

Matthew N. Rubinstein and Stuart Caplin, New York, N. Y., assignors to Auto-Wrap Corporation, New York, N. Y., a corporation of Delaware
Application September 23, 1946, Serial No. 698,708
6 Claims. (Cl. 229-53)



1. As an article of manufacture a normally collapsed, flat, bag-type paper wrapper for initially wrapping one or more prismatic shaped objects to form a tight, close-fitting wrapping about the same, said bag in its collapsed condition consisting of two superposed, flat rectangular sides connected together by a single fold at each of two of the parallel edges of the rectangles, and folded over and sealed at a third pair of edges to form a closed bottom, the fourth pair of edges being unconnected so as to provide an opening or mouth in said bag, at least one of the two sides containing at least one normally collapsed plait therein which runs perpendicular to the closed bottom and which is freely expandable from the open end of said bag, the total width of the two sides when the plaits thereof are collapsed being substantially equivalent to the perimeter of the object to be wrapped so that on expansion of the said plait the object to be wrapped can be easily inserted and so that after insertion of the object the plait can be collapsed to cause the wrapper to fit tightly about the said object, with no wrinkles or extending portions except for two triangular ears at the bottom at opposite sides thereof.

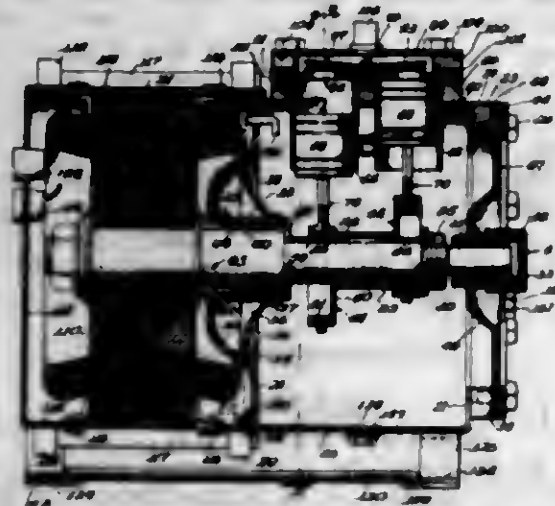
2,628,765

COMPRESSOR

August P. Anderson, Goshen, Ind.
Application November 4, 1948, Serial No. 58,257
10 Claims. (Cl. 230-58)

1. A case for a compressor including a drive-shaft and pistons operated by elements on the drive-shafts, comprising: a stamped cylindrical shell provided with a flat portion; cylinders for the pistons formed of straight tubing extending through and projecting outwardly from the flat portion of the shell; a flat reinforcing plate abutting and brazed to the projecting portions

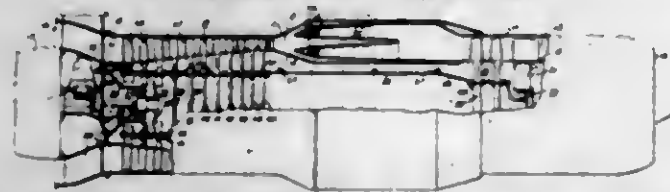
of the cylinders, and having its outer end substantially flush with the outer ends of the cylinders, and a cylinder-head removably secured on the reinforcing plate on the shell.



2,628,766

GAS TURBINE POWER PLANT

Josef A. Rydmark, Lansdowne, and Haakon O. Pedersen, Philadelphia, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 26, 1948, Serial No. 61,973
6 Claims. (Cl. 230-116)



1. In elastic fluid rotary apparatus including casing structure, a pair of spaced bearings supported in said casing structure, and a spindle aggregate mounted substantially between and journaled on said bearings, said spindle aggregate including a rotor assembly having a plurality of annular members carrying radially extending blades and joined in coaxial relation, the annular members adjacent one end of said spindle aggregate having central openings forming an axially disposed chamber receiving one of said bearings, a tubular bracket secured to said casing structure outwardly of said rotor assembly and projecting into said chamber holding the last-mentioned bearing therein, and a spindle member rotatably mounted in the latter bearing and secured to the innermost of said annular members having central openings, whereby said rotor assembly is constructed and arranged to overhang said last-mentioned bearing to limit the necessary spacing thereof from the other bearing to a distance less than the full length of the spindle aggregate.

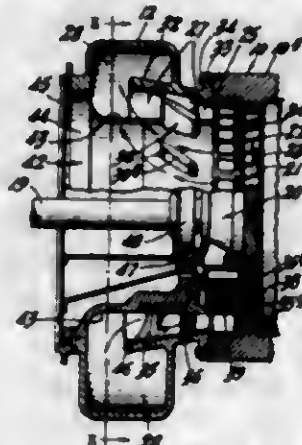
2,628,767

COLLECTOR STRUCTURE FOR AXIAL FLOW ROTARY GAS COMPRESSORS

Leon R. Wosika, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application December 21, 1948, Serial No. 66,533
7 Claims. (Cl. 230-120)

1. A collector structure for the discharge of an axial flow rotary gas compressor having an annular discharge orifice through which gas is discharged in a helical path at high velocity comprising inner and outer wall members diverging from one another and defining an annular passage of progressively increasing cross-

sectional area having its upstream inlet end of substantially the same shape and dimensions as and connecting with said annular discharge orifice of said compressor and its downstream outlet end of substantially greater cross-sectional area; circumferentially distributed vanes in said annular passage inclined with respect to the axial direction of said annular passage in the direction of helical flow of the fluid discharged from said compressor discharge orifice and dividing said annular passage into a plurality of substantially helical passages of progressively increasing



ing height extending in the direction of flow of said discharged fluid to maintain the tangential velocity component of the fluid discharged from said compressor discharge orifice and constrain the discharge from said annular passage to follow a circumferential path; and a spirally expanding collector ring surrounding and in complete annular communication with the downstream outlet end of said annular passage and having a tangentially directed discharge passage for tangentially discharging the fluid collected thereby.

2,628,768

AXIAL-FLOW COMPRESSOR

Arthur Kantrowitz, Hampton, Va.
Application March 27, 1946, Serial No. 657,529
8 Claims. (Cl. 230-122)

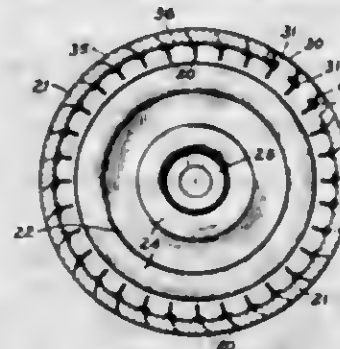


1. A supersonic compressor including a cascade of blades, angularly spaced from one another around a surface of revolution, said blades having sharp leading edges which are disposed at acute angles to a plane normal to the axis of the body of revolution and being of sufficient chord length so that successive blades intersect common parallel planes that are spaced from one another by a substantial distance and that are normal to the direction of gas flow between the blades, the confronting faces of said blades diverging from one another in the direction of gas flow for at least a portion of their length between the parallel planes.

2,628,769

BLOWER

Carl E. Wilken, New Lebanon, Ohio, assignor to The Lau Blower Company, Dayton, Ohio, a corporation of Ohio
Application March 17, 1947, Serial No. 735,163
7 Claims. (Cl. 230-134)



1. A blower wheel of the character described comprising a plurality of separately formed blades circumferentially arranged about a central axis, a pair of end members located at opposite ends of said blades, each said end member having an annular surface thereon in face to face relation with adjacent said blade ends, each said end member also having thereon a circumferential flange extending axially inwardly of said wheel from the radially outer periphery of its said annular surface, said annular surfaces having thereon at least one integral projection extending axially inwardly therefrom and of materially smaller area than said surfaces, said projection and the ends of said blades intersecting and interlocking throughout substantially the entire axial extent of said projection to locate said blade ends in substantially abutting contact with the adjacent said annular surface, radially outer end portions of said blades being in engagement with said flanges, the interlocked portions of said projection and said blades being intimately merged together to form a substantially integral structure including substantially the entire extent of said interlocked portions, and the portions of said projection adjacent said interlocking portions extending axially inwardly of said wheel beyond the plane of the adjacent outer ends of said blades and extending integrally from both sides of said interlocking portions to brace said blades against stresses incident to the use of the wheel.

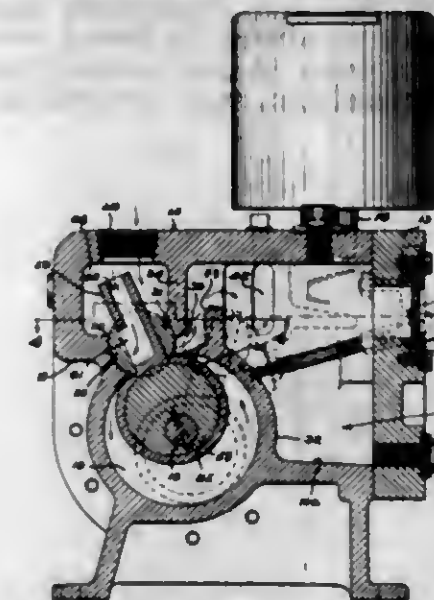
2,628,770

VACUUM PUMP

Henry G. Bowering, Needham, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass., a corporation of Massachusetts
Application May 16, 1950, Serial No. 162,302
6 Claims. (Cl. 230-147)

1. In a high-vacuum two-stage pumping unit, the combination of a housing enclosing two axially aligned cylinders, one for each stage, said housing including a cast metal main component in which an integrally cast metal wall separates said cylinders and has opposite parallel machined surfaces which are the proximate end boundary surfaces of respective cylinders; a shaft extending through said wall and axially through said cylinders; and rotary displacing means arranged to be actuated by said shaft, one in each of said cylinders and each including an arm and a slotted oscillating cylindrical pin, through which pin said arm reciprocates as the shaft rotates, each face of said wall being intersected by a socket which receives an end of a corresponding one of said pins, each socket extending part way through said wall, the axes of said sockets being offset

from each other on an arc about the shaft axis by a distance materially exceeding the sum of the radii of the sockets so that the sockets are widely spaced in the zone of their closest approach and

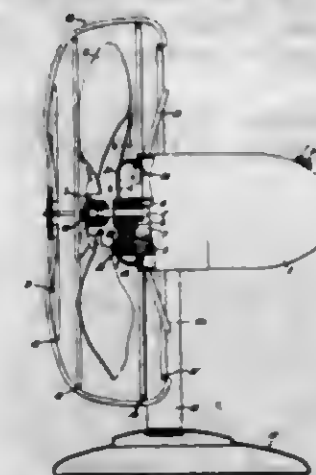


the depth of a single socket determines the thickness of the metal barrier between the end of the socket for either cylinder and the proximate end of the other cylinder.

2,628,771

ELECTRIC FAN HAVING A RESILIENTLY SUPPORTED MOTOR

Harry W. Uhrig, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1950, Serial No. 193,149
4 Claims. (Cl. 230-259)



1. In an electric fan having a motor with a shaft including a frame therefor and a fan blade driven by the motor shaft, that improvement comprising a supporting base, a wire guard enclosing the fan blade, means supporting said wire guard from said base, an end cap for said motor frame attached to and carried by said guard near the center thereof and vibration damping means resiliently interconnecting said motor frame to said end cap close to said motor shaft, whereby said motor is isolated from said guard, supporting means and base.

2,628,772

COIN COLLECTOR

John D. Smith, Audubon, N. J., assignor to Horn & Hardart Company of New York, New York, N. Y., a corporation of New York
Application August 28, 1950, Serial No. 181,753
5 Claims. (Cl. 232-57)

5. In a coin collector, a frame having a coin chute with an upper and a lower coin receiving

compartment having transparent sides and in communication with each other and with the coin chute, movably mounted shutters at the bottoms of said compartments and tensioned to normally close said bottoms, and controlling mechanism for said shutters to control in timed relationship the retention of coins in said compartments and their release therefrom, said controlling mecha-



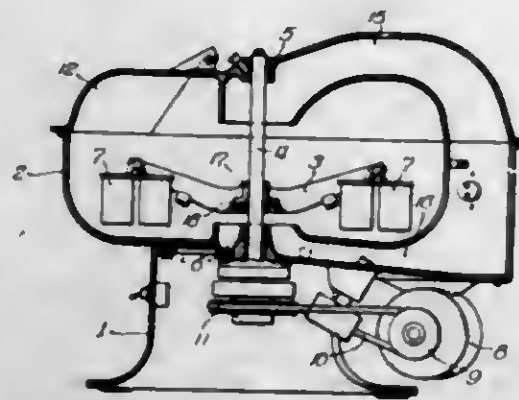
nism comprising a manually actuated cam member linked to the upper shutter, a cam fixed to the lower shutter and having a slot, and a gravity roll bodily movable in said slot and cooperating with the cam member to actuate the cam to control the opening and closing movements of the lower shutter in timed relationship with the opening and closing movements of the upper shutter.

2,628,773

CENTRIFUGAL TESTER

Arthur H. Bolleau, Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation

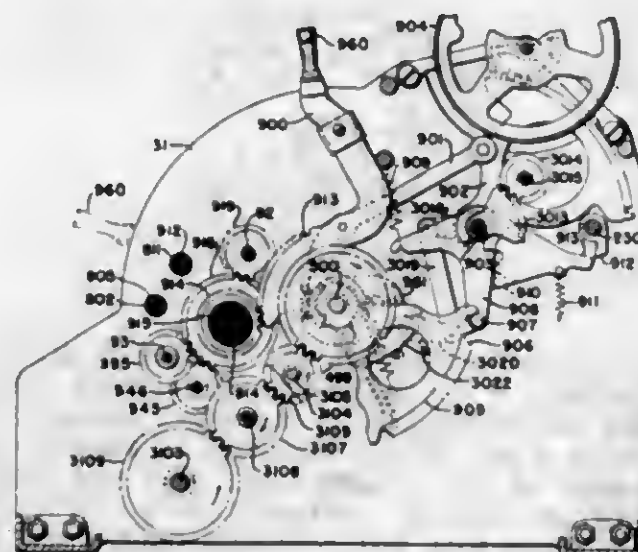
Application October 21, 1947, Serial No. 781,111
3 Claims. (Cl. 233-11)



1. In a device of the class described, the combination of a substantially circular casing, a rotor within said casing having a plurality of arms carrying bottle supports, means for rotating said rotor in a definite direction, and a duct having a volute section opening into the outer peripheral wall of said casing and extending in the direction of rotation of said rotor, said duct having two branches leading centrally into said casing, one above and the other below the rotor, whereby upon rotation of said rotor a continuous flow is imparted to the air within the casing in the direction of such rotation thereby causing air to flow into the volute section of said duct and then through the respective branches of said duct back into said casing.

2,628,774 RECEIPT PRINTING AND ISSUING MECHANISM

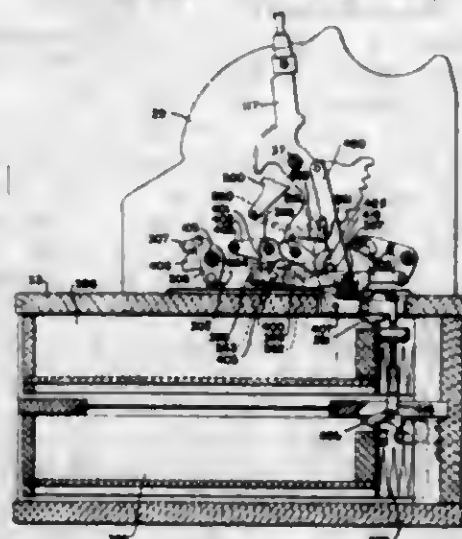
Warren P. London, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application September 16, 1949, Serial No. 116,004
6 Claims. (Cl. 235-3)



1. In a machine of the class described having a receipt printing and issuing mechanism, the combination of a main operating means; a second operating means for the receipt printing and issuing mechanism; a clutch connecting the second operating means to the main operating means; a plurality of manipulative devices for setting data recording elements in the receipt printing and issuing mechanism; a special manipulative device for setting symbols in the receipt printing and issuing mechanism and movable into a plurality of setting positions; means to render the clutch ineffective; and means operable by the special manipulative device when moved into one of said setting positions to actuate the last-named means to prevent the printing and issuing of a receipt.

2,628,775

CASH DRAWER OPERATING MECHANISM
Warren P. London, Tucson, Ariz., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 16, 1949, Serial No. 116,004. Divided and this application June 27, 1952, Serial No. 295,948
2 Claims. (Cl. 235-22)



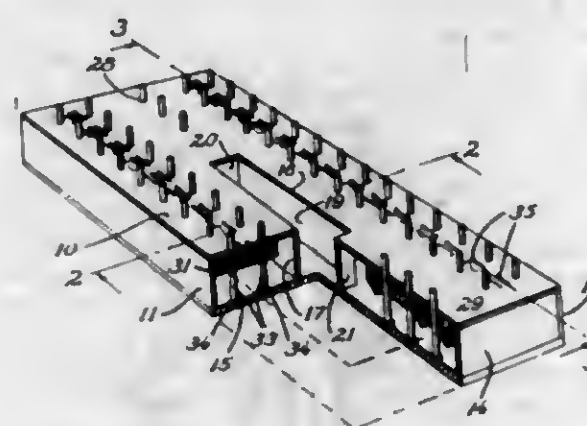
1. In a machine of the class described, the combination of a cash drawer, a manipulative device, a latch for normally maintaining the

cash drawer in inaccessible position, an operating member engageable with the latch when operated to actuate the latch to thereby release the cash drawer for movement into an accessible position, a coupling rod carried by the operating member, a main shaft, a cam on the main shaft, a driving element actuated by the cam, a notch formed in the driving member to receive said coupling rod whereby the operating member is coupled to the driving member, a bell crank having a slot engageable with the coupling rod, and means on the manipulative device to actuate the bell crank and thereby withdraw the coupling rod from engagement with the said notch.

2,628,776

TALLY BOARD

John H. Newman, St. Paul, Minn.
Application January 2, 1951, Serial No. 203,839
2 Claims. (Cl. 235-90)



1. A tally board including a hollow body having a top panel, said top panel being provided with a series of apertures therethrough, a series of lugs projecting downwardly from said top panel, a series of strips of soft fibrous material underlying said top panel and impaled by said lugs, individual means on said lugs for holding said fibrous material in place against said top panel, said means encircling said lugs in an offset fashion with respect to said apertures, and pins extending through said fibrous material and through said apertures and frictionally held in place by said fibrous material, said lug encircling means having their edges spaced sufficiently from said apertures to provide a cantilever flexing of the fibrous material adjacent each pin receiving aperture.

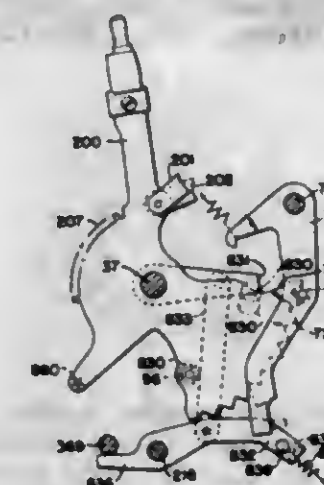
2,628,777

LOCKING MECHANISM FOR ACCOUNTING MACHINES

Warren P. London, Tucson, Ariz., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 16, 1949, Serial No. 116,004. Divided and this application June 27, 1952, Serial No. 295,947
8 Claims. (Cl. 235-130)

1. In a machine of the class described, the combination of amount setting manipulative devices; a transaction setting manipulative device movable into a plurality of positions; an aligning member on each amount setting manipulative device; a resiliently operable means engaging each aligning member to maintain the amount setting manipulative devices in their set positions; a projection on the transaction setting manipulative device; and a linkage having one element located in the path of movement of said

projection and another element movable into engagement with the resiliently operable means, said linkage movable by the said projection when the transaction setting manipulative de-

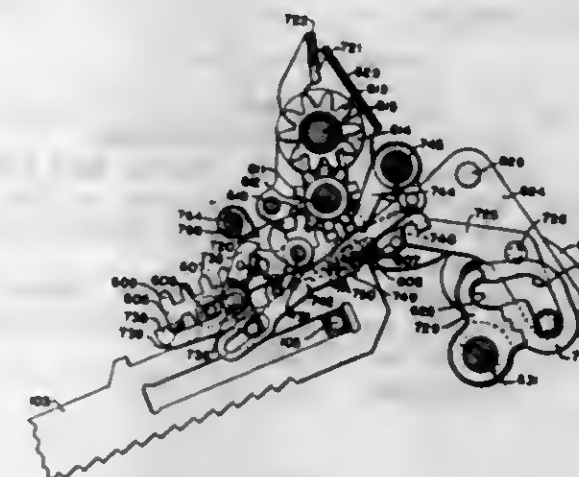


vice is moved into one of its setting positions to thereby cause the said another element to engage and lock the resiliently operable members against manipulation.

2,628,778

TENS CARRY MECHANISM FOR ACCOUNTING MACHINES

Maximilian M. Goldberg, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application November 2, 1946, Serial No. 707,360, now Patent No. 2,584,864, dated February 5, 1952. Divided and this application May 5, 1951, Serial No. 224,719
5 Claims. (Cl. 235-133)

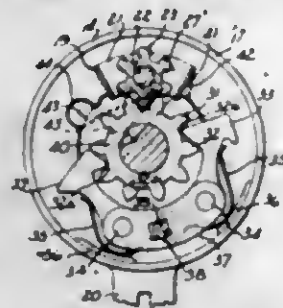


1. In a machine of the character described, capable of item-entering operations, the combination of a totalizer having a plurality of denominational order wheels; a differential actuator for one order of the totalizer; a part movably mounted on the actuator and coacting with the corresponding totalizer wheel to enter items therein; means to urge the part in a certain direction; means to retain the part against movement in said certain direction; means to release the retaining means near the end of machine operations; a second means to retain the part; and means operable when the adjacent lower order wheel passes through zero to release the second retaining means to effect a transfer of tens digits.

2,628,779

TRANSFER MECHANISM FOR COUNTERS

Harvey N. Bliss, Windsor, Conn., assignor to Veeder-Root, Incorporated, Hartford, Conn., a corporation of Connecticut
Application February 7, 1951, Serial No. 209,844
8 Claims. (Cl. 235-139)

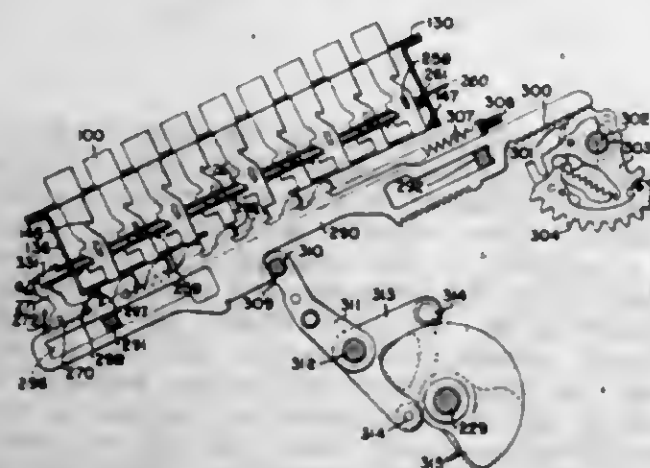


1. In a resettable counter having a reset shaft, a plurality of number wheels rotatably mounted on the shaft in side by side relationship, and interengaging means on the wheels and shaft to zeroize the wheels when the shaft is rotated in a registering direction, the combination of transfer means disposed between number wheels of lower and higher order comprising a wide center pinion mounted on the shaft between said wheels, a holding pawl on the wheel of higher order engaging the pinion in a plane immediately adjacent the wheel of higher order, said holding pawl being constructed and arranged to turn the wheel with the center pinion during a counting operation but permitting the wheel to be advanced independently of the pinion during resetting, a stationary support disposed between said wheels, a transfer pinion rotatably mounted on the support and meshing with said center pinion in a second plane spaced from the wheel of higher order, driving means on the wheel of lower order intermittently engageable with said transfer pinion in a third plane adjacent the number wheel of lower order, and locking means for preventing rotation of the transfer pinion except during a transfer operation.

2,628,780

ZERO STOP MECHANISM

Mayo A. Goodbar, Everett H. Placke, and Carl G. Falkner, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application July 17, 1948, Serial No. 39,278. Divided and this application November 14, 1951, Serial No. 256,296
18 Claims. (Cl. 235-145)



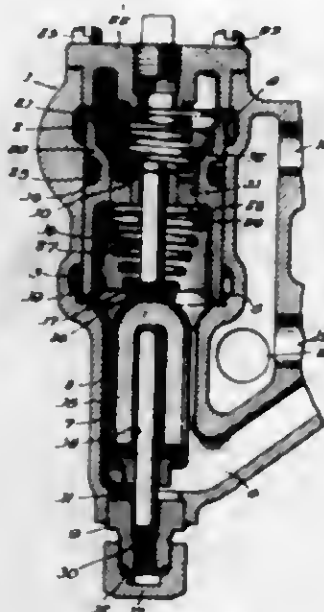
1. In a machine of the class described, the combination of manipulative devices; a differential means controlled by the manipulative devices; a

zero stop pawl normally in an ineffective position and movable into an effective position to arrest the differential means in zero position; means to normally maintain the zero stop pawl in its ineffective position; power-operated means to move the last-named means to release the zero stop pawl to move into its effective position upon initial operation of the machine when no manipulative device is operated; and means controlled by an operated manipulative device to maintain the zero stop pawl in normal ineffective position to permit the differential means to be controlled by an operated manipulative device during an operation of the machine.

2,628,781

THERMOSTATIC MIXING VALVE

Francis J. Cantalupo, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 22, 1949, Serial No. 89,031
1 Claim. (Cl. 236-12)

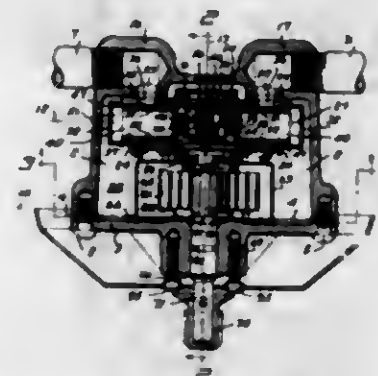


In means for providing for the overrun of an axially expandible thermal element in a mixing valve or the like, the combination comprising a valve casing, a thermal element within the casing, a reciprocally movable piston-like closure member cooperating with the said thermal element and having oppositely disposed end seating surfaces for engagement with the said valve casing, the said thermal element being movably attached to the said reciprocally movable closure member, the latter member having an apertured bridge portion with resiliently mounted means bearing on each side of the apertured bridge for permitting limited axial movement of the closure member in opposite directions, said resiliently mounted means including one resilient element disposed between the reciprocally movable member and the said thermal element for normally holding said reciprocally movable member and the thermal element in spaced-apart relation, a shaft limitedly movable reciprocally with the thermal element relative to the said reciprocally movable member, and stop means on the said shaft bearing against a shoulder on the apertured-bridge portion to limit the axial movement thereof in one direction relative to the said closure member, the other of said resiliently mounted means limiting the axial movement of the said closure member in the opposite direction relative to the said shaft.

2,628,782

EQUALIZING AND MIXING VALVE

Norman L. Heikes, San Pablo, Calif., assignor to Wm. Kenneth Rosenberry, doing business as Berkeley Scientific Company, Richmond, Calif.
Application April 4, 1950, Serial No. 153,873
7 Claims. (Cl. 236-12)

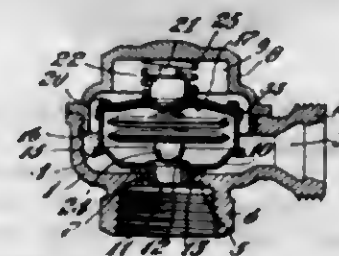


1. In a valve for mixing hot and cold water, a housing, a cylinder in the housing and having inlet passages for admitting hot and cold water thereto, a cylinder mounting bracket fixed in the housing about opposite ends of the cylinder, a piston valve within the cylinder for equalizing the pressures of the entering hot and cold streams, a hollow sleeve valve surrounding the cylinder for receiving and mixing the pressure-equalized streams, thermostat means arranged in the housing, means for discharging the mixed water from the sleeve valve upon the thermostat means, linkage connecting the thermostat means to the sleeve valve, and a discharge passage in said housing.

2,628,783

CONTROL UNIT FOR THERMOSTATIC VALVES

Charles F. Fernald, Jamaica Plain, Mass., assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass., a corporation of Massachusetts
Application December 24, 1949, Serial No. 134,971
9 Claims. (Cl. 236-58)

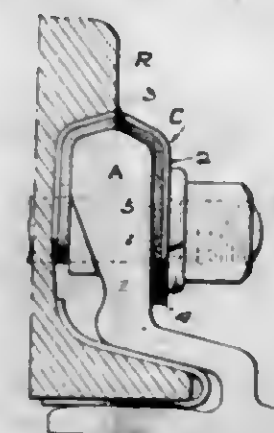


1. An interchangeable control unit for use in valves of the class described, said unit comprising a cage including means defining a bottom and a cylindrical peripheral wall, the bottom carrying the valve seat, and a cover carrying a thermostatic motor, and a valve feather supported by the motor, the peripheral wall having diametrically opposed lock elements which project up through apertures in the cover, a latch member pivotally connected to the cover at the center of the latter, the latch member having oppositely extending resilient arms for engagement with the two lock elements, respectively, each arm having an aperture, and the cover having upward projections which seat in the respective apertures when the latch member is in operative position thereby to prevent accidental movement of the latch member.

2,628,784

INSULATED RAIL JOINT

Ralph W. Payne, Washington, D. C., assignor to The Rail Joint Company, New York, N. Y., a corporation of Delaware
Application November 10, 1950, Serial No. 195,023
2 Claims. (Cl. 238-155)

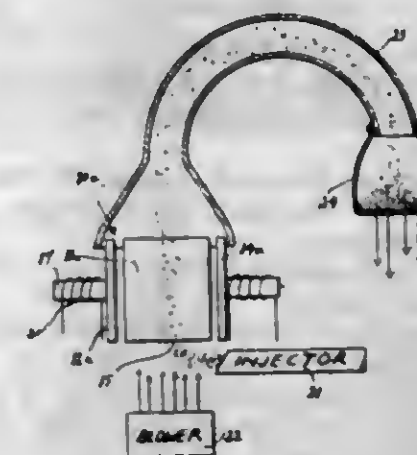


1. An insulated rail joint, comprising, the rails, the splice bars, and head pieces of insulation having covering metal shields of inverted U-shaped cross section engaged over the top of the splice bar and having the upper inner portions thereof in loading engagement with the rail, and the outer corner edge portions of the insulation sheath and shield disposed downwardly of said point of loading engagement being beveled outwardly toward the center of the bar and in the direction of the length thereof to provide an outwardly directed impact surface for deflecting dragging equipment away from the joint to prevent rupture of the insulation and the shield that would short circuit the joint.

2,628,785

METHOD AND MEANS FOR COMMUNUTING SOLID PARTICLES

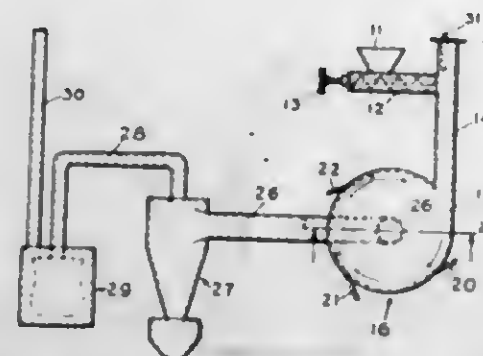
George A. Fink, Flushing, N. Y.
Application July 16, 1948, Serial No. 39,106
9 Claims. (Cl. 241-1)



1. The method of comminuting solid particles which comprises the steps of producing a rotating electromagnetic field of high frequency, passing the particles to be comminuted through said field substantially in the direction of its axis of rotation, and so controlling the time of transit of said particles through said field that said particles, rotatively entrained by said field, attain an angular velocity sufficient to cause disintegration of substantially all particles exceeding a given order of magnitude.

2,628,786

MOVING-FLUID-STREAM PULVERIZING APPARATUS WITH SCREENED DISCHARGE
 Rene P. Piperoux, Radburn, N. J., and David B. Hertz, New York, and William P. Moeller, Baldwin, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware
 Application August 25, 1948, Serial No. 46,024
 4 Claims. (Cl. 241-39)



1. In an apparatus for pulverizing material, a chamber having a plurality of pulverizing sections comprising a cylindrical section having a closure at one end and an opening at the opposite end and a tapered section connected to said cylindrical section coaxially thereto at said opening, said tapered section having an opening in the base thereof coinciding with said opening in said cylindrical section, means extending tangentially through the wall of said cylindrical section for supplying material to be pulverized to said cylindrical section, a plurality of jets extending through the wall of said cylindrical section for injecting fluid into said cylindrical section for imparting a rotary motion to the material therein to pulverize said material and to move said pulverized material through said tapered section, and screening means between said cylindrical section and said tapered section and extending completely across the opening between said sections, the construction and arrangement being such that the fluid passing through said tapered section attains an increased velocity whereby any material suspended in said fluid is prevented from settling therefrom and is subjected to further pulverizing action in said tapered section.

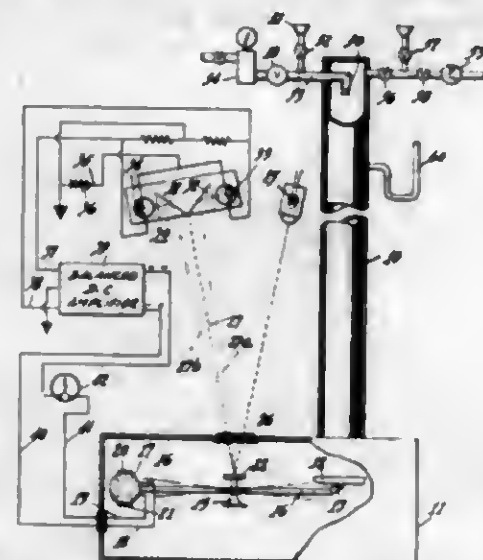
2,628,787

APPARATUS FOR ANALYZING THE PARTICLE SIZE DISTRIBUTION OF A POWDER SAMPLE

Robert E. Payne, Bywood, Upper Darby, Pa., assignor to The Sharples Corporation, a corporation of Delaware
 Application September 2, 1947, Serial No. 771,631
 6 Claims. (Cl. 241-39)

2. In an apparatus for analyzing the particle size distribution of a powder sample, a vertical gas-containing sedimentation tower, a powder injection conduit extending into the upper part of said tower, hopper means external to said tower and extending upward from said injection conduit intermediate the ends thereof, whereby a small quantity of powder constituting the sample to be analyzed may be introduced into said conduit through said hopper means, means for effecting pressure-tight closure of said hopper means after introduction of the powder sample, a source of pressurized gas connected to the end of said injection conduit external to said tower, a normally-closed valve in said injection conduit between said source and said hopper means, whereby opening of said valve causes a blast of

pressurized gas to impinge against the powder sample held by said injection conduit and effects forceful delivery of the powder sample through said injection conduit to the upper part of said

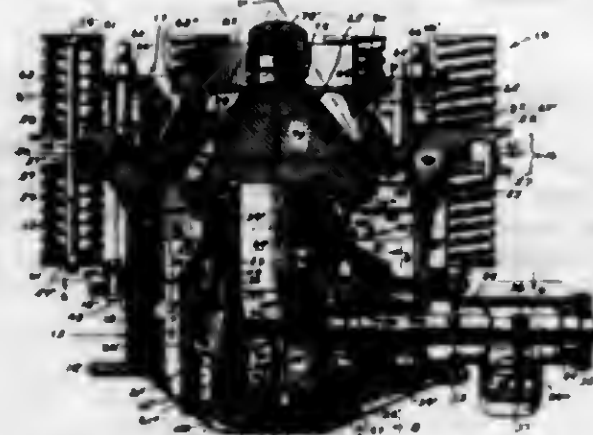


tower, and means at the delivery end of said injection conduit within said tower for dispersing and deaggregating the powder sample, so as to form a cloud of powder particles free to gravitate downward within the sedimentation tower.

2,628,788

GYRATORY CRUSHER

John R. Kueneman and Donald Kueneman, Oakland, Calif.
 Application December 30, 1946, Serial No. 719,236
 7 Claims. (Cl. 241-215)



1. In a gyratory crusher, a head member providing a conical working face having the apex of its cone above it, an annular concave receiving the head and having a conically concave working face opposite said head face and having its apex above said apex of the working face of the cone whereby said working faces define a downwardly contracting working zone between them, and means operative for effecting a relative gyration of the head and concave members about a fixed intersection point of the axes of their cones in such a position that all lines therefrom to the bottom of the working zone are effectively equidistant from the working faces of the head and concave.

2,628,789

LINOLEUM COILING DRUM

Frank E. Maxwell, Delhi, La.
 Application September 21, 1949, Serial No. 116,933
 2 Claims. (Cl. 242-74)

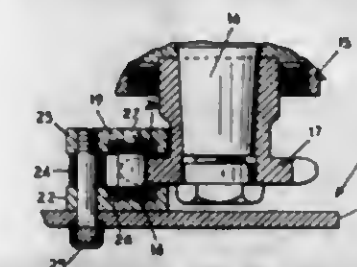
1. A linoleum rolling assembly comprising an elongated drum having a slot therein; an elon-

2,628,791

SHUTTLE CAR AND ELECTRIC CABLE REEL
 Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

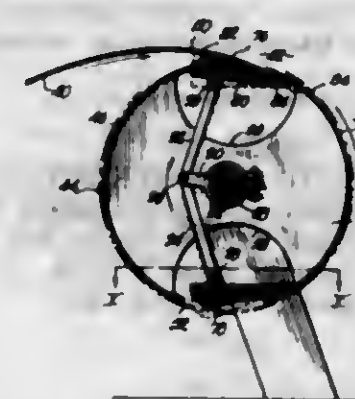
Original application December 3, 1947, Serial No. 789,384, now Patent No. 2,599,061, dated June 3, 1952. Divided and this application July 14, 1949, Serial No. 104,780

3 Claims. (Cl. 242-90)



3. A shuttle car including a frame, a generally horizontal discharge boom extending at one end and adjacent the top of said frame, a cable reel of relatively large diameter and small axial dimension located within the confines of said frame and below said discharge boom, means mounting said cable reel for rotation on a generally upright axis, driving means for said cable reel including a motor and a drive sprocket, means mounting said drive sprocket for rotation on an axis extending substantially parallel to the axis of rotation of said cable reel, a chain with which said drive sprocket meshes, and means attaching said chain to said cable reel holding it in a circle having the axis of rotation of said cable reel as a center.

gated, rotatable shaft on the longitudinal axis of the drum and secured thereto for rotation with respect to the drum; a clamp normally disposed in the drum, said drum having a marginal edge adjacent the slot thereof partially overlapping the clamp, said clamp being secured to the drum therewithin adjacent said marginal edge for swinging movement toward and away from said shaft, said clamp being disposed for movement through said slot beyond the outermost surface of the drum when the clamp is swung away from

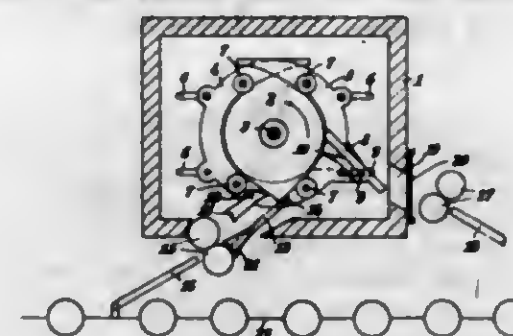


the shaft toward the outermost end of its path of travel toward said marginal edge; and means interconnecting the clamp and the shaft for swinging the clamp toward said outermost end of its path of travel when the shaft is rotated in one direction relative to the drum, whereby to grip one end of said linoleum between the clamp and said marginal edge during rolling and to render the roll of linoleum readily removable from the drum upon swinging of the clamp toward said shaft.

2,628,790

REELING FURNACE FOR HOT BAND ROLLING

Job Schmidt and Ferdinand Frielinghaus, Dortmund, Germany, assignors to Westfalenhütte Dortmund Aktiengesellschaft, Dortmund, Germany, a German company
 Application August 23, 1949, Serial No. 111,815
 In Germany May 4, 1949
 3 Claims. (Cl. 242-78)

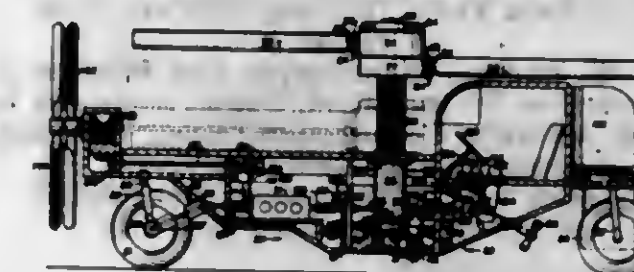


1. In a reeling furnace, a reversible reeling drum onto which a continuous band is reeled, a pair of arcuate roller-carrying band guides each partially embracing the drum, one serving as a guide for the entering portion of the band and the other for guiding the outgoing portion of the band, and comb-like extensions on adjacent ends of said band guides, the extension of one guide interfitting with the extension of the other guide, thereby to insure guiding of the band throughout the entire circumference of the drum.

2,628,792

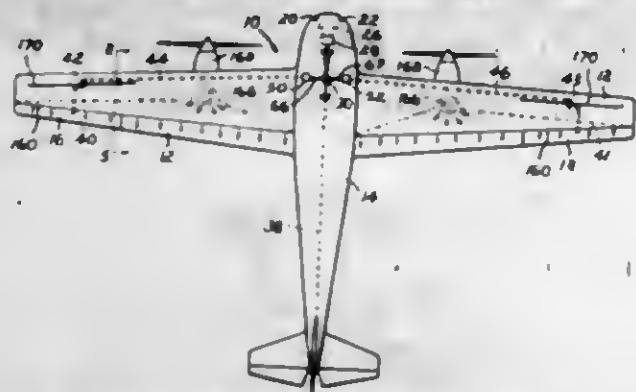
AIRCRAFT ADAPTED FOR AIR, LAND, AND WATER TRAVEL

James Eldon Griffith, Denver, Colo.
 Application September 5, 1950, Serial No. 183,170
 10 Claims. (Cl. 244-7)



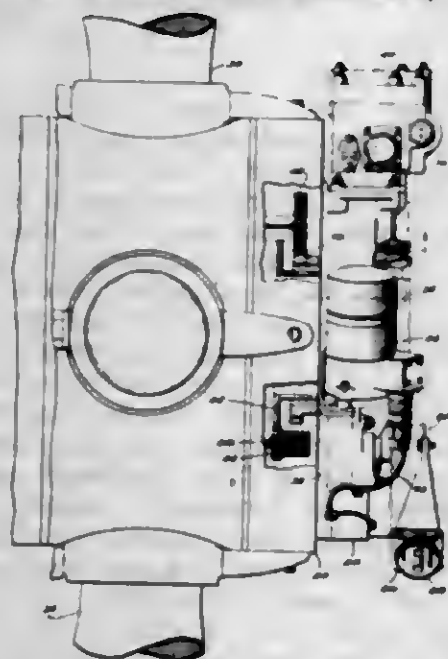
1. A combined land, water and air vehicle comprising an elongated wheel mounted frame, an engine carried by the frame, the front end of the frame having a traction propeller rotatable on a horizontal axis, means for driving the propeller by power from the engine, at least one of the wheels being a drive wheel, means for driving said wheel by power from the engine, a vertical stationary tubular member attached at its lower end to the frame, two relatively rotatable tubular members concentric with the stationary tubular member, a helicopter blade connected with each of the relatively rotatable tubular members at vertically spaced points, means for turning the last named tubular members in opposite directions by power derived from the engine and means comprising clutches for selectively connecting the engine to the traction propeller or to the relatively rotatable tubular members or to both to effect either separate or simultaneous operations.

2,628,793
AUTOMATIC AND MANUAL CONTROL OF AIRCRAFT
 Edward A. Stalker, Bay City, Mich.
 Application October 3, 1946, Serial No. 701,024
 3 Claims. (Cl. 244-78)



1. In combination in an aircraft having a supporting wing with means to vary the lift thereof differentially on opposite sides of the aircraft, the combination of a manual steering control having a neutral position and adjustable away from said neutral position to effect a change in said lift varying means, a device responsive to a change in the direction of the relative wind, a power actuating element under control of said wind direction device and connected to said lift varying means for selective variation thereof to maintain stability of the aircraft with said manual control in said neutral position, means operably interconnected with said manual steering control and with said wind direction device and operable in response to movement of said manual control away from said neutral position for disabling the control by said wind direction device rendering said power actuating means inoperative, and means interconnecting said manual control with said lift varying means in parallel with said connection between said power actuating element and said lift varying means for direct actuation of said lift varying means by said manual control independently of said power actuating element.

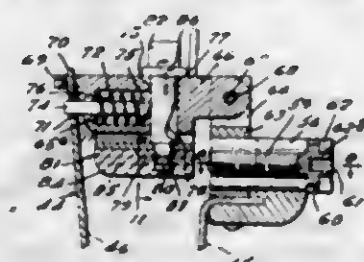
2,628,794
PROPELLER ELECTRICAL CONNECTOR SYSTEM
 Edward W. Radtke, Manchester, and William E. Diefenderfer, Wethersfield, Conn., assigns to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
 Application May 26, 1950, Serial No. 164,412
 8 Claims. (Cl. 244-134)



1. In an aircraft, an engine including a pro-

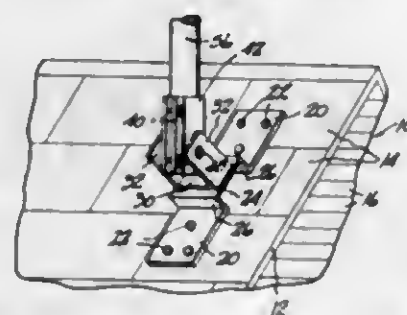
PELLER shaft, a source of electrical power fixed relative to said engine, an adaptor fixed to said engine adjacent said shaft including a plurality of electrical contacts operatively connected to said source of power, an abutment carried by said adaptor, a propeller assembly comprising a rotatable hub driven by said shaft and a control unit operatively connected thereto, said control unit comprising, a housing movable relative to said hub, and a stop carried by said housing, electrically responsive elements carried by said propeller assembly, and a plurality of members engageable with said contacts upon assembly of said propeller assembly on said shaft whereby said stop engages said abutment to fix said housing relative to said engine.

2,628,795
FISHING ROD OR POLE HOLDER
 George T. Diderich, Milwaukee, Wis.
 Application August 7, 1950, Serial No. 178,007
 In Canada June 9, 1950
 5 Claims. (Cl. 248-42)



4. A pole gripping device comprising a substantially U-shaped member having two long resilient arms having spaced ends, a body secured to one of said ends, a hinge block slidable on said body to move toward and away from the other one of said ends, a hasp having one end hingedly coupled to said block to swing into bridging position across between said ends, means for detachably coupling the opposite end of the hasp to the said other one of said ends, and means connecting said body with the hinge block for shifting the hinge block toward and away from the said other one of said ends.

2,628,796
ANTENNA MOUNTING BASE
 Matthew F. Krizman, South Bend, Ind.
 Application May 24, 1950, Serial No. 163,985
 1 Claim. (Cl. 248-43)



An antenna mast mounting base for supporting the mast in a vertical position and comprising a rigid sheet metal base plate having substantially flat and substantially coplanar end portions of substantial area and each having a plurality of apertures therein spaced longitudinally and transversely thereof and an intermediate substantially flat off-set portion having an aperture substantially centrally thereof, a U-shaped rigid sheet metal bracket having an apertured base portion and spaced flange portions, means received in said apertures for fixedly securing said

2,628,798
CHRISTMAS TREE STAND
 John C. Kass and Theodore C. Kass,
 Ravenna, Mich.
 Application September 1, 1949, Serial No. 113,514
 10 Claims. (Cl. 248-44)



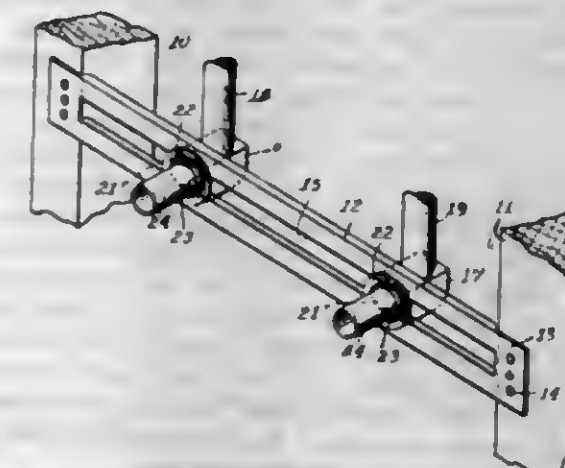
1. In a device of the class described, a base comprising legs and a central conical socket for centering a tree stem or the like, a bracket extending upwardly at one side of the socket, a pair of substantially horizontal arms pivoted on the upper end of the bracket, said arms having outwardly bowed jaw portions and integral convergent operating portions, a vertical arm pivoted at the side of the socket substantially opposite said bracket and being adapted to swing toward and away from the bracket, said arm having a shackle embracing said operating portions of the arms to hold them against separation.

2,628,797
PORTABLE BEACH SHADE SUPPORT
 Miguel A. Campomar, Montevideo, Uruguay
 Application June 15, 1951, Serial No. 231,813
 2 Claims. (Cl. 248-43)



1. A portable beach shade support comprising a standard, including a straight tubular upper portion, having an upper end and a lower end, a straight tubular lower portion in coaxial alignment with said upper portion and having a lower extremity and an upper extremity located in adjacent spaced relationship to said lower end, an off set portion including an upper arm fixed to said upper portion adjacent said lower end, a lower arm fixed to said lower portion adjacent said upper extremity, a yoke joining said arms and forming a handle for rotating said standard about the axis of said upper and lower portions, a boring bit extending from said lower extremity coaxially with said lower portion, an annular head mounted for free rotation and said upper end and extending axially therebeyond to provide a hand pressure surface for applying axial pressure to the standard while rotating same, and locking means at said upper end whereby a stem inserted in said upper portion may be locked in position at any desired point of said stem.

2,628,799
SUPPORTING BRACKET FOR WATER PIPE FITTINGS
 Oscar L. Aaby, Woodville, Wis.
 Application February 15, 1949, Serial No. 76,495
 1 Claim. (Cl. 248-57)



In a supporting bracket for water pipe fittings, a flat elongated plate having a slot extending longitudinally thereof and adapted to span the space between adjacent studding, reduced extensions formed at the ends of the outer side of the plate abutting the outer faces of the studding, said extensions being apertured to receive fastenings, such as nails and the like, to secure the plate in place, an elbow having a squared end portion slidably engaged in said slot, a nipple projecting from the squared end of the elbow outwardly beyond the plate in threaded engagement therewith, and a washer and nut assembly on the threaded portion of the nipple, said washer being clamped against the outer face of the plate, when the nut is tightened to secure the elbow in adjusted position relatively to a water supply pipe.

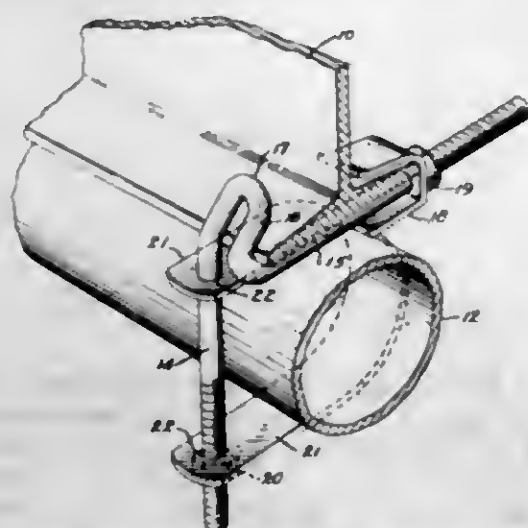
2,628,800

HANGER FOR ATTACHMENT TO STRUCTURAL SHAPES

Harry L. Kindorf and Orlan C. Kindorf, San Francisco, Calif., assignors to The Kindorf Co., San Francisco, Calif., a corporation of California

Application August 1, 1949, Serial No. 107,994

1 Claim. (Cl. 248-72)



A hanger for attachment to opposite edge portions of a flat part of a structural member, said hanger comprising a single continuous rod member bent intermediate its ends to provide a straight section to lie against the bottom face of said flat part of the structural member, an intermediate substantially U-shaped reversely bent part extending laterally from the inner end of said straight section at an inclination thereto and providing two laterally spaced oppositely disposed hook portions to engage over one edge portion of the structural member, and a second straight section extending at substantially a right angle to said first mentioned straight section from one leg of said U-shaped intermediate part and offset to one side of said first mentioned straight section, the first mentioned straight section having a threaded outer portion, an apertured hook-like member slidable on said first mentioned straight section to engage over one edge portion of said structural member, a nut threaded on said first mentioned straight section for retaining said hook-like member in place, and a substantially U-shaped supporting strap having the opposite outer end portions of the sides thereof each provided with an aperture to slidably fit on said second mentioned straight section, the second mentioned straight section having a threaded outer end portion, and a nut engaging said last mentioned threaded portion to hold said strap member in position on said second straight section of the hanger.

2,628,801

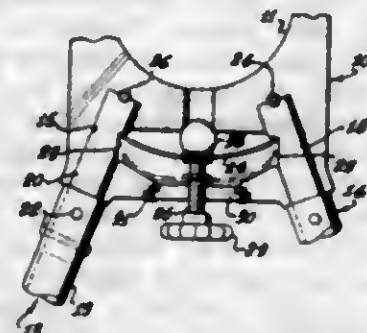
GOLF BAG CARRIER

Joseph Henry Gunning, Manhattan Beach, Calif.
Application August 2, 1948, Serial No. 41,911

8 Claims. (Cl. 248-96)

1. In a golf bag cart, the combination comprising: a central, rigid, unitary frame; walls forming a cavity within said frame; means forming a pair of oppositely disposed upwardly converging sockets in said frame, each said socket intersecting said cavity to provide oppositely disposed openings communicating therewith; means forming a third socket in said frame extending substantially normal to the common plane of said first two sockets and intersecting said cavity to provide a lateral opening communicating there-

with; a strut arranged in each of said sockets and each having a portion thereof exposed in said cavity for contact with locking means; an elongate, generally horizontally located locking bar in said cavity with its free ends located beneath the adjacent exposed portions of the struts in said first two sockets and with its central portion



located beneath the strut in said third socket; and screw threaded vertically adjustable means extending upwardly into said cavity thru the bottom wall thereof and engaged with said locking bar to adjustably urge said bar upward into contact with all of said struts to lock them in position in said frame.

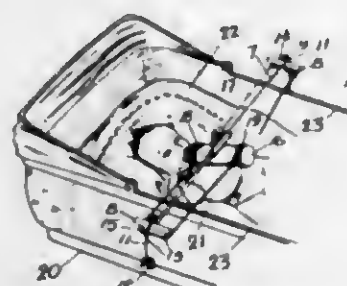
2,628,802

HOLDER FOR NURSING BOTTLES

Arnold O. Wahlberg, Minneapolis, Minn.

Application May 27, 1948, Serial No. 29,447

8 Claims. (Cl. 248-104)



8. A bottle holder comprising a rod having at each end a head, a cord arranged in two substantially parallel sections between the heads and attached thereto, the sections of the cord being free to be fastened around the end portions of a bottle, a second cord attached at one end to each head, and a hook attached to the last noted cord at its other end.

2,628,803

APPARATUS FOR USE IN SURGERY AND IN ADMINISTERING ANESTHETICS

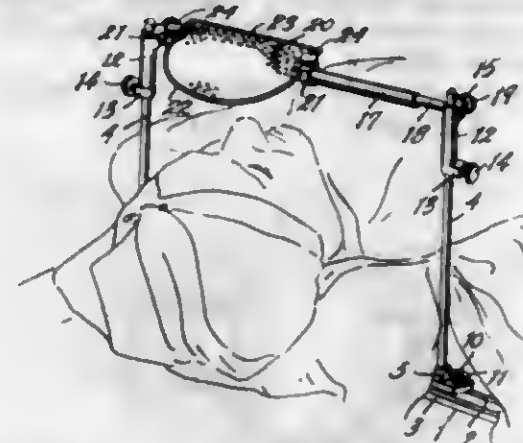
Josephine E. Krewson, Muskegon, Mich.

Application August 10, 1949, Serial No. 109,504

4 Claims. (Cl. 248-124)

2. In an apparatus of the class described, the combination of a plate-like base of substantial area and weight, upstanding posts laterally adjustably supported on said base, crossbar brackets sleeved upon said posts for vertical adjustment thereon and provided with transverse openings and with setscrews for securing them in their adjusted positions, a crossbar comprising inner and outer telescoping sections disposed with their outer ends in said openings in said brackets, said brackets being provided with setscrews for securing the rod sections thereto, and a semicircular foraminated support provided with ears located adjacent its straight edge and rotatable and slidable upon said outer crossbar

section, said ears being provided with setscrews for securing the support in its adjusted position able with the pole support for drawing the said lower shank portion into substantially continuous surface contact with the pole support whereby



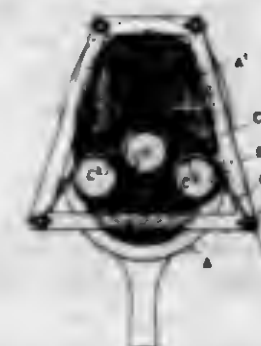
2,628,804

TENNIS BALL HOLDER

Harold Jacob Goodman, Detroit, Mich.

Application April 26, 1948, Serial No. 23,163

3 Claims. (Cl. 248-205)



1. A ball retainer for a tennis racket press comprising a resilient clip secured to the press to project over the webbing of the contained racket forming an open space therebetween through which a tennis ball may be freely inserted or withdrawn and held clamped between said member and webbing, said clip being formed of resilient wire having a plurality of loops therein, each forming an annular portion of a diameter less than that of the ball.

2,628,805

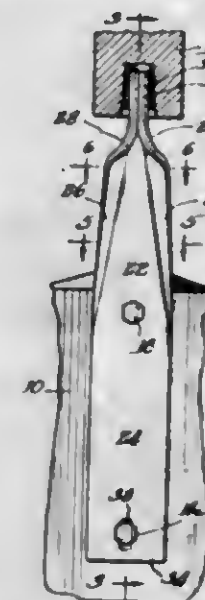
INSULATOR SUPPORT

Burt M. Smalley, Chicago, Ill., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill., a corporation of Illinois

Application July 17, 1948, Serial No. 39,287

2 Claims. (Cl. 248-221)

1. A pole top pin for supporting an overhead electrical conductor adjacent the top of one side of a supporting pole or the like, and comprising an elongated body portion including upper and lower shank portions, the lower shank portion being resilient and angularly bent outwardly with respect to the upper shank portion in unstressed condition and having a substantially flat surface adapted for contact with the adjacent surface of the pole, said upper shank portion having at the free end thereof insulator supporting means, fastener means associated with the body portion substantially intermediate the ends thereof in the region of the juncture between the upper and lower shank portions for securing the pin to the pole support, and lower fastener means connected with the angularly bent part of the said lower shank portion for permissive relative sliding movement therebetween and engage-



2,628,806

CLAMP

Jerry H. O'Brien, Wichita, Kans.

Application December 14, 1946, Serial No. 716,260

1 Claim. (Cl. 248-226)



In a clamp of the class described for use on the flange of a vehicle door, a substantially U-shaped body having legs fitting closely against the vehicle door flange, clamp securing means on the leg of the U inside the door and substantially flush with said leg, and accessory mounting means on the other leg of the U, an offset portion on the leg to which the accessory mounting means are secured, said offset portion forming a boss and a recess, said accessory mounting means comprising a bracket abutting the boss, a rivet passing through the bracket and the boss, one end of the rivet being expanded in the recess.

2,628,807

VISOR BRACKET

Wilbur C. Lincoln, Chicago, Ill., assignor, by mesne assignments, to Dieterich Products Corporation, Michigan City, Ind., a corporation of Illinois

Application June 25, 1947, Serial No. 756,907

8 Claims. (Cl. 248-226)

1. In apparatus of the class described comprising an automobile windshield shade adapted to be positioned in shielding relationship to the windshield of an automobile having gutters alongside the windshield, means for securing the shade to the gutters comprising a channel member secured to opposite ends of the shade adjacent opposite gutters, each channel member having relatively parallel upper and lower

walls on opposite sides of the associated gutter, and a connecting perpendicular wall, the lower wall being curved and adapted to hook under said associated gutter, the upper wall having screw

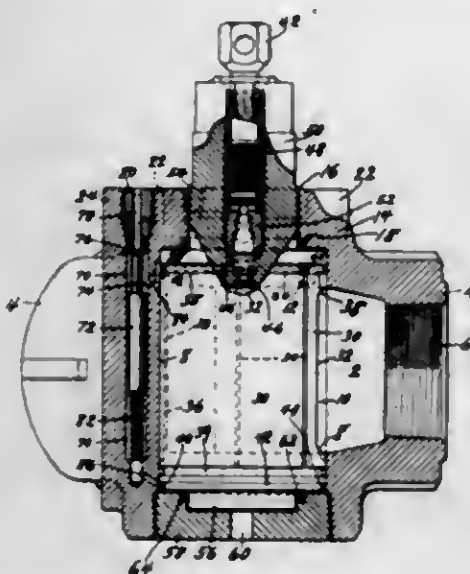


means engaged therewith and passing through same downwardly and into the top of said associated gutter, and clamping said channel member to said gutter.

2,628,808

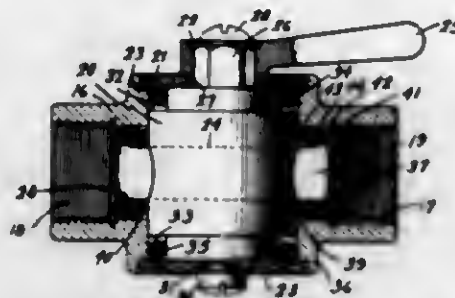
LUBRICATED VALVE WITH LUBRICANT VENT

George R. Ericson, Kirkwood, Mo., and Robert A. Shields, Bloomsburg, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application October 9, 1945, Serial No. 621,214
10 Claims. (Cl. 251-93)



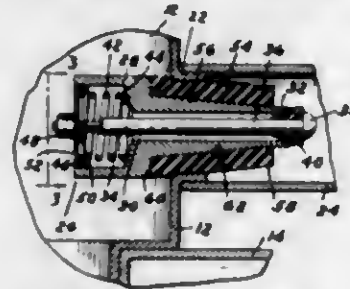
1. In a lubricated valve the combination of a valve body having a passageway therethrough for the flow of matter under pressure, a bore formed in the body and intersecting said passageway, a valve plug seated in said bore and rotatable to control the flow of matter through the body passageway, a lubricant system for supplying lubricant to the surface of said valve plug, means for supplying lubricant under pressure to the lubricant system adjacent one end of the bore, means for permitting access of line pressure to the other end of the bore, and additional means operable by differential pressure existing between the opposite ends of said bore during lubrication of the valve by said first named means to vent excess lubricant from the system.

2,628,809
SEAT FOR ROTARY PLUG VALVE
Peter Lawrence Mikeska, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1945, Serial No. 579,795
6 Claims. (Cl. 251-103)



3. In a valve structure, a casing having a plurality of ports, a cylindrical plug valve journaled in said casing for opening and closing said ports, a first seal ring disposed in each of said ports, a retaining member disposed about said first seal ring in each of said ports to urge said first seal rings into sealing engagement with the walls of said ports, each of said retaining members having a peripheral groove at its inward end portion, and a second seal ring disposed in each of said grooves in sealing contact with the cylindrical surface of said plug valve.

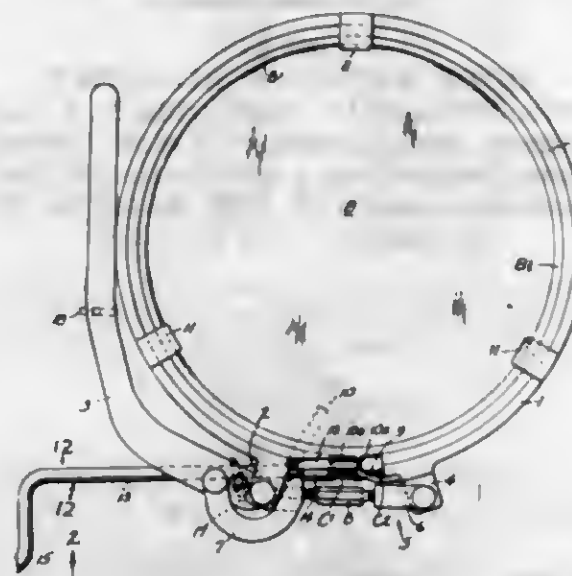
2,628,810
CHECK VALVE
George K. Moore, Detroit, Mich.
Application March 19, 1949, Serial No. 82,362
1 Claim. (Cl. 251-145)



A check valve for an overflow pipe of a radiator for an internal combustion engine comprising a valve body having an axial passage therethrough, said passage being enlarged at one end to provide an axially extending, enlarged cylindrical socket open at one end of said body and being fashioned at its other end to provide a valve seat, the portion of said passage intermediate said ends of said body being of substantially uniform transverse dimension, a pin extending axially in said passage, said pin being smaller in diameter than the transverse dimension of said intermediate portion of said passage whereby substantial clearance is provided between said pin and said passage, a valve member supported at one end of said pin and cooperating with said valve seat to open and close said passage, a perforated disc supported at its center by the opposite end of said pin, said disc slidably engaging the side walls of said cylindrical socket to maintain said pin axially centered in said passage, a compression spring in said cylindrical socket surrounding said pin and having one end acting against said disc and its opposite end acting against the bottom wall of said cylindrical socket, the outer surface portion of said body adjacent said valve seat being of frusto-conical shape, and means forming the external surface of said check valve comprising a sleeve member formed

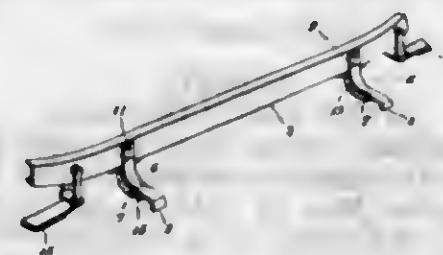
of an elastic material and normally having substantially uniform inner and outer diameters, said sleeve member being stretched over said frusto-conically shaped surface of said valve body.

2,628,811
TOOL FOR CLOSING AND OPENING CONTAINERS OF THE METAL DRUM OR BARREL TYPE
William Lockhart, Cleveland, Ohio; Sadie Lockhart, executrix of said William Lockhart, deceased, assignor to Sadie Lockhart
Application September 2, 1948, Serial No. 47,497
5 Claims. (Cl. 254-79)



1. In a tool for applying and removing the transversely split closure clamping rings of metal containers, the combination of a transversely split band constructed to surround circumferentially and separably engage such a closure clamping ring; expander means carried by the end portions of the band constructed to operatively engage transverse surfaces of the end portions of a clamping ring for exerting expanding force on the ring; and manually operable means movably connected to the end portions of the tool band and operable, when the tool is applied to a clamping ring with the expander means operatively engaging transverse surfaces of the end portions of the ring, to positively expand the band and the ring and alternatively operable to contract the tool band and the ring.

2,628,812
ATTACHMENT FOR AUTOMOBILES
Rosario Palazzolo, Bronx, N. Y.
Application June 2, 1950, Serial No. 165,740
1 Claim. (Cl. 254-133)

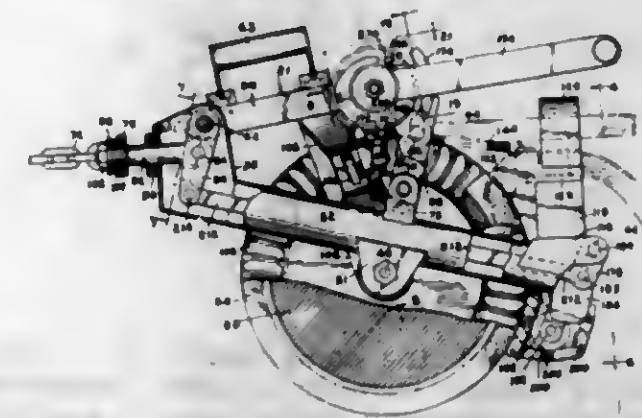


An attachment for the side beam of an automobile, comprising a body having an upright shank to be affixed to the outer face of said beam, a foot secured to said shank and extending outward and downward when the attachment is in place on said beam and having a downturned transverse flange at its outer end, and a wide cross plate to engage the bottom of said beam, said

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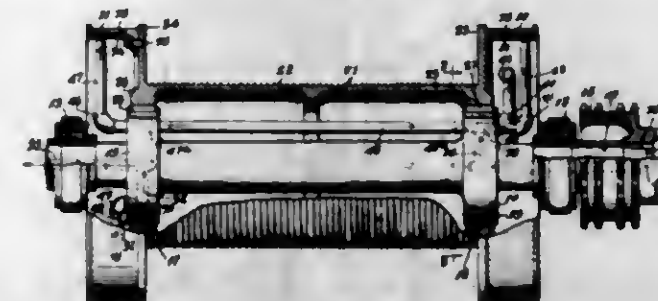
plate having an upturned transverse flange at its outer edge secured at its midpoint to the junction of said shank and said foot, and extending laterally beyond both sides of said plate and foot, said plate engaging the bottom of said beam when the attachment is mounted thereon, with said flange then overlapping the edge of the beam at the opposite face thereof.

2,628,813
ROPE PULLER
Philip S. Arnold, Flint, Mich.
Application December 4, 1948, Serial No. 63,583
20 Claims. (Cl. 254-167)



1. In a rope puller, a rotatably supported pulley, a rope extending about the pulley, manually operable crank mechanism coupled with the pulley to rotate it, an anchor assembly, a pressure shoe assembly adapted to urge the rope against the pulley, said two assemblies disposed on substantially diametrically opposite sides of the pulley and coupled therewith, and tension means extending from the anchor assembly to the pressure shoe assembly and shiftable relative to the pulley to transmit load tension from the anchor assembly to the pressure shoe assembly to urge the same to hold the rope against the pulley.

2,628,814
DRUMSHAFT ASSEMBLY
John D. Spalding, Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1947, Serial No. 780,151
9 Claims. (Cl. 254-186)



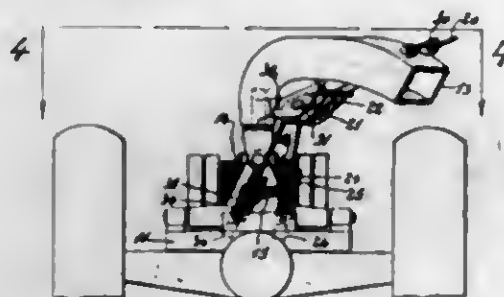
1. In a hoist, the combination of a shaft, a concentric flange formed integrally on the shaft and projecting radially therefrom, a spooling drum having integrally formed end walls and a central spooling section therebetween, the drum having a hub encircling said shaft flange and non-rotatably fixed thereto, a brake rim fixed relative to one of the end walls of the spooling drum; conduit means for delivering a coolant to said brake rim, said conduit means including an axially extending passageway in the shaft, a passage in the flange communicating with the shaft passageway, a lateral port in a side face of

the shaft flange communicating with said passage, and pipe means connecting the lateral port with the brake rim.

2,628,815

FAIRLEAD FOR SEMITRAILER SCRAPERS OR WAGONS

William P. Atkinson, South Milwaukee, and Trevor O. Davidson, Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application April 16, 1948, Serial No. 21,454
17 Claims. (Cl. 254-190)



1. In a fairlead, the combination of: a first member; a second member swivelly connected thereto; two transversely spaced trains of sheaves, the sheaves of each train being lined up for the successive passage of a rope; a block for the first longitudinal sheave in each train, swivelly mounted on the first member; a block for the second longitudinal sheave, in each train, swivelly mounted on the second member; and a transverse tension-compression link pivotally connecting the blocks of the longitudinally sheaves mounted on one of said members to maintain these sheaves in transversely spaced relation, the pivotal axes of the link and the swivel axes of the blocks being substantially parallel.

2,628,816

CORE-SAMPLING TOOL

Raymond I. Mahan, Long Beach, Calif.
Application August 20, 1949, Serial No. 111,371
3 Claims. (Cl. 255-1.4)



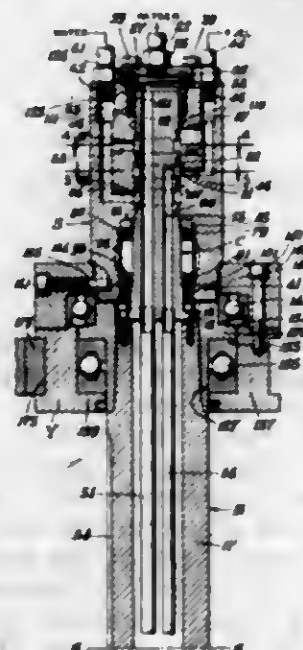
1. A core-sampling tool comprising two telescopic units one above the other, the lower of said units having an axial bore, a plunger carried by the upper unit and movable therewith in said bore upon telescopic movement of the units, a set of upwardly directed dogs carried by said lower unit and pivotally connected at their lower ends to said lower unit and having upper weight-bearing

shoulders, said set of dogs, from a normal position retracted on their pivots within the outer surface of the lower unit and, in part, within the mentioned bore of said unit, being adapted to be moved by the mentioned plunger to a projected position wherein said shoulders are beyond the outer surface of said lower unit, and a sample-taking tube carried by said lower unit at the lower end thereof and impressible into a hole formation upon weighting of said dog shoulders, said shoulders of the set of dogs being outwardly and downwardly sloped from their upper ends to constitute cams which, when weighted, urge said set of dogs to move to retracted position upon withdrawal of the plunger from between them.

2,628,817

ROCK PIERCING BLOWPIPE

Ray Orion Wyland, Jr., Somerville, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application January 24, 1950, Serial No. 140,296
16 Claims. (Cl. 255-1.8)



16. In a blowpipe having a rotating member and a non-rotating member provided with inlet means for supplying oxygen, fuel and water, wherein said oxygen, fuel and water are transferred from said non-rotating member to said rotating member across an interface between said members, the method of preventing premature admixture of said oxygen and said fuel at said interface which comprises transferring said oxygen and said fuel across said interface while transferring said water across said interface at a region between the region of transference of said oxygen and the region of transference of said fuel.

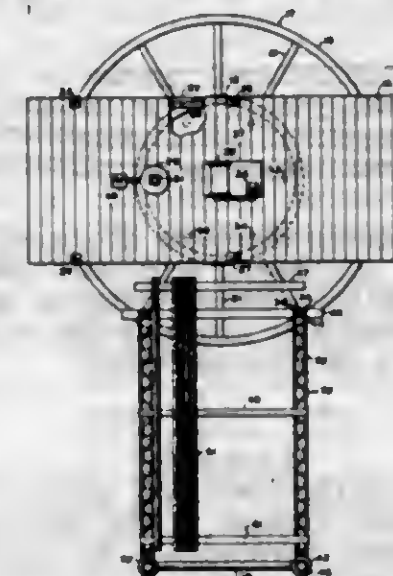
2,628,818

WELL DRILLING RIG

Tom S. Graham, Alvin, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 16, 1949, Serial No. 93,514
9 Claims. (Cl. 255-2)

1. A well drilling rig comprising in combination a foundation secured to the earth, first bearing means disposed in two concentric horizontal circles secured to said foundation, a frame comprising a well drilling derrick having four legs and a derrick floor, a rotary table mounted on said derrick floor, and second bearing means secured to said frame and disposed to engage said first bearing means to rotatably support said

frame and derrick on said foundation, each of said derrick legs being always disposed above said second bearing means, two of said legs being always disposed above the outer and two above

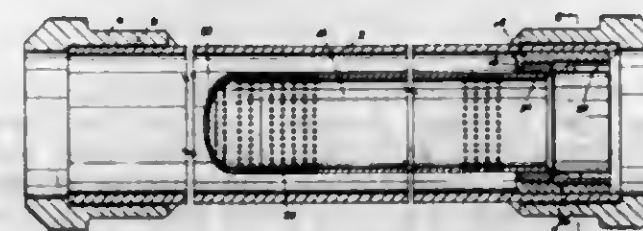


the inner of said concentric circles, and said rotary table always being disposed with its central vertical axis inside of said inner concentric circle.

2,628,819

SCREEN ARRANGEMENT FOR USE IN CONJUNCTION WITH OIL WELL DRILLING TURBINES

Critchell Parsons, Silver Spring, Md., assignor to The Engineering Development Company, Incorporated, a corporation of Texas
Application November 22, 1949, Serial No. 128,852
3 Claims. (Cl. 255-4)



1. In a turbine operated oil well drilling unit including a drill string, a turbine at the lower end of said drill string, a bit driven by said turbine, a pump, and means to conduct drilling mud from said pump to said drill string, a screen between the pump and the turbine comprising a thimble-shaped piece of less external diameter than the internal diameter of the surrounding part of said unit and having its open end pointing in the direction of flow of mud therethrough said piece having perforations in its side and end walls.

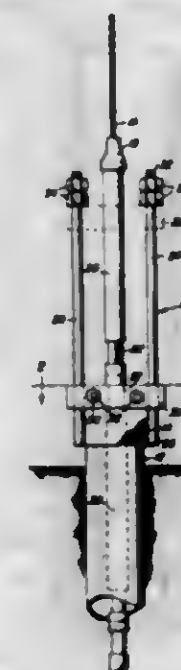
2,628,820

PIPE PULLER

Elton F. Sheak, North Lawrence, Ohio; Dorothy B. Sheak administratrix of said Elton F. Sheak, deceased
Application May 2, 1950, Serial No. 159,444
2 Claims. (Cl. 255-27)

1. A well casing puller comprising: an internally threaded cylindrical member adapted to be threadably mounted on the upper end of the well casing, a pair of upstanding guide elements secured to said cylindrical member, stop means mounted on the upper ends of said guide elements, a cable pulling means having a rectangular section, clamping means mounted on said pulling

means and guided for vertical movement by said guide means whereby when said cable is pulled said clamping means will abut said stop means thereby pulling said well casing, said clamping means consisting of a pair of bars of rectangular

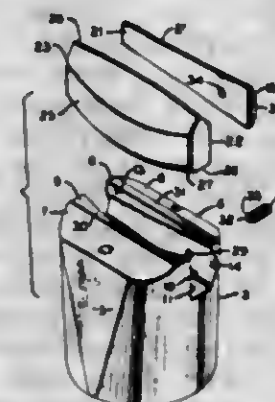


cross-section, a pair of recesses in said bars for cooperation with said guide elements, a triangular cross-sectioned recess in each of said pair of bars for cooperation with said rectangular section of said cable pulling means, and means for urging said bars towards each other.

2,628,821

PERCUSSION DRILL BIT BODY

Arthur Henry Alexander and John Harold Alexander, Victoria, British Columbia, Canada, assignors to Kennametal Inc., Latrobe, Pa., a corporation of Pennsylvania
Application October 7, 1950, Serial No. 188,948
20 Claims. (Cl. 255-64)

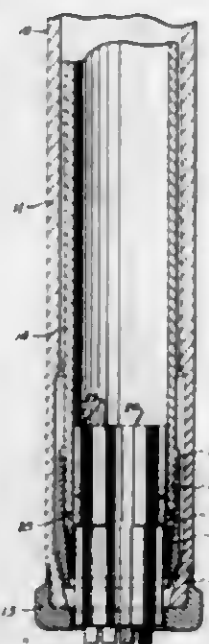


1. The combination of a percussion drill bit body having a transverse slot therein for holding a cutting insert, said slot having a bottom wall and oppositely disposed side walls, one side wall being concaved longitudinally to the slot and the other side wall being concave transversely to the slot, an elongated cutting insert of less width than the slot having a side wall convexed in conformity with the concavity of one of the side walls of the slot, a clamp strip having a side wall convexed in conformity with the concavity of the other side wall of the slot, and means for securing the clamp strip in position with its opposite side wall aligned with the opposite side wall of the cutting insert.

2,628,822

MAGNETIC PLUG FOR CORE BITS

Lawrence O. Herndon, Elk Basin, Wyo., assignor to J. E. Jones, Cody, Wyo.
Application November 18, 1949, Serial No. 128,066
5 Claims. (Cl. 255-72)



1. In combination with a core bit including an outer shell attachable at its normally upper end to the normally lower end of a drill tube section and having a portion of its inner surface at its lower end inwardly inclined, an annular shoe threaded onto the shell at the lower end of the latter, a core sleeve disposed within said shell and circumferentially spaced therefrom, a spring finger formation threaded onto said shell at the end of the latter adjacent said shoe and engageable at its end remote from said sleeve with the inwardly inclined inner surface portion of said shell, and an annular core retainer supported by said spring finger formation coaxially of said sleeve and adjacent to but spaced from the end of said sleeve adjacent said shoe, a magnetic core bit plug comprising a plug body of non-magnetic material and of elongated cylindrical shape slidably received in said core sleeve and having a longitudinally extending recess opening to the end thereof adjacent said shoe, means on said plug body engaging said core retainer and supporting said plug body in a position in which it extends through said core retainer with its end to which said recess opens at the end of said core retainer remote from said sleeve, and a group of permanent magnets disposed in the recess in said plug body and extending from the end of the latter to which said recess opens, said magnets extending through said shoe in the absence of a core in said bit and said plug being slidable along said core sleeve away from said shoe by a core moving through said shoe into said core sleeve.

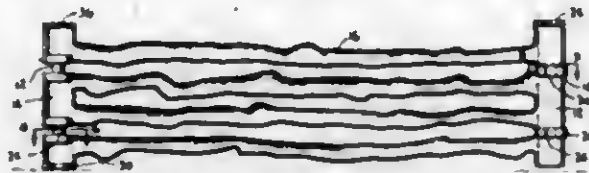
2,628,823

TOY FENCE

Jesse P. Rhone, Moundsville, and Lyda D. Curtiss, McMechen, W. Va., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application August 10, 1950, Serial No. 178,582
7 Claims. (Cl. 256-26)

1. A fence section for a multiple section toy fence, said section comprising an outer post at one end, an inner post at the other end with fence structure extending therebetween, said outer post having a concavo-convex wall forming a part of a cylinder with spaced aligned

open-sided sockets concentric with said wall on the concave side thereof, said inner post having an at least partially cylindrical wall of substantially the same radius as that of the concave side of said outer post, said inner post having

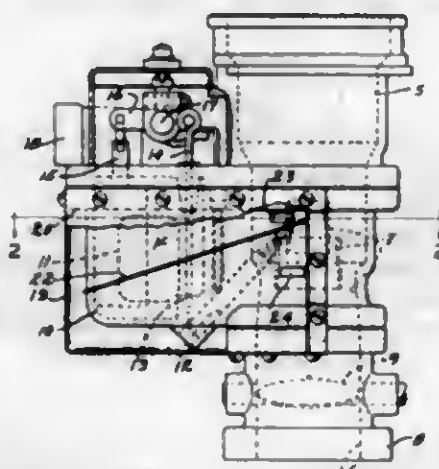


portions of reduced diameter at spaced points to form pins in alignment with said sockets and of substantially the same diameter as said sockets in order to detachably assemble two or more sections to form a continuous fence.

2,628,824

CARBURETOR COOLING STRUCTURE

Morris C. Brown, Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application February 8, 1950, Serial No. 143,029
5 Claims. (Cl. 261-9)

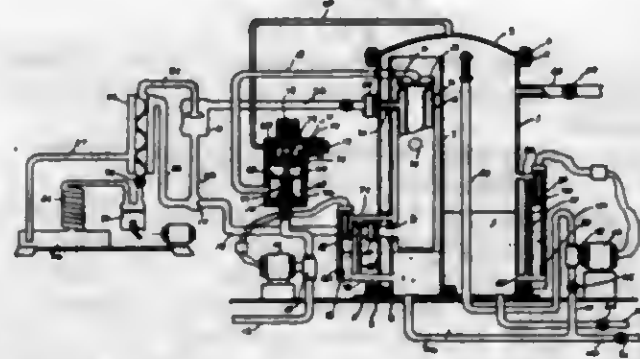


1. A carburetor comprising an induction conduit, a fuel storage chamber, a fuel discharge nozzle connecting said fuel chamber and said conduit, an air chamber on the outside of said fuel chamber, and a pair of ports between spaced portions of said air chamber connecting the air chamber and the induction conduit, said ports being longitudinally spaced with respect to each other and about the circumference of the induction conduit.

2,628,825

COMBINED WATER COOLER AND CARBONATOR

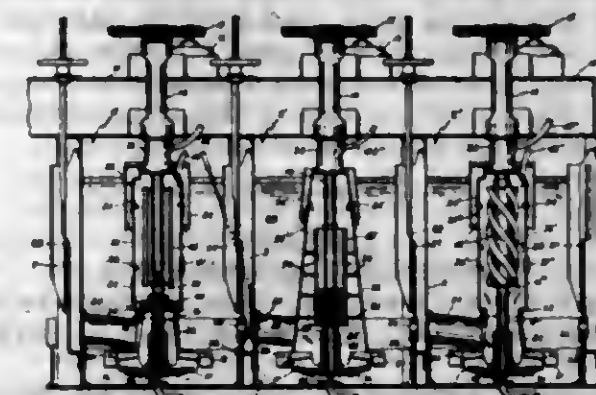
James Kantor and Edward Rosenberg, Chicago, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application June 15, 1948, Serial No. 33,054
5 Claims. (Cl. 261-11)



1. An apparatus of the character described, in combination; a closed tank; means for delivering

to said tank CO₂ under a predetermined pressure; a closed bottom relatively small refrigerating tank disposed in said first tank having an open top communicating with the interior of the first tank and receiving an atmosphere of CO₂ from said first tank; a double walled refrigerating tube disposed longitudinally in said refrigerating tank; water filming means delivering water to the top of said tube at a point where the water will flow down the inside and outside walls of said tube in a film formation; means for circulating a refrigerant between the double walls of said tube; means for supplying water to said water filming means; a spray head mounted at the top of said first tank and means for withdrawing the water from the bottom of said refrigerating tank and delivering the same to the spray head at the top of said first tank.

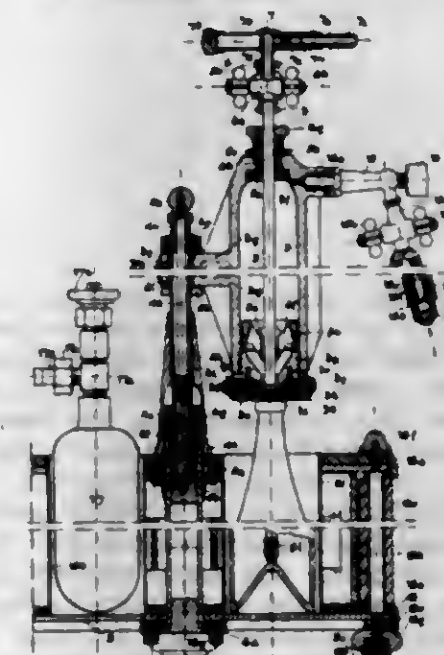
substantially the vertical extent of said passage and defining with the passage inner and outer courses for gravitational descent of material admitted through the intake opening, means for introducing streams of gas to said inner and outer



courses, means for feeding pulp to the mixing chamber for mixing with matter descending through the passage, and a rotary impeller below the chamber in a position to receive the mixed material by gravity.

2,628,828

PORTABLE AERATION APPARATUS
Nicolaus Meurer, Radolfzell/Baden, Germany
Application August 27, 1948, Serial No. 46,541
8 Claims. (Cl. 261-121)

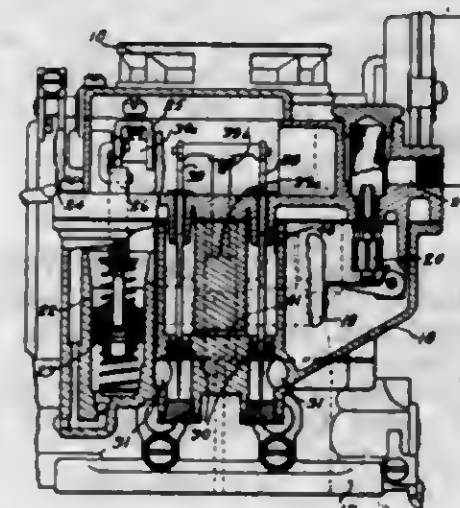


1. Aeration apparatus comprising a metallic base plate, a vertical pillar mounted thereon, a second metal plate mounted in parallel spaced relationship to the base plate for supporting said pillar, connecting struts between said base plate and said second plate to form said base plates into a supporting frame, a protective sleeve member vertically disposed within said supporting frame in laterally spaced relation to said pillar, a bottle located within said protective sleeve, a mixing chamber member having an arm in sleeved relation to said pillar and means associated with said pillar constituting a bearing support for said arm and operable to allow horizontal swinging movement of said chamber member, means associated with the lower end of said chamber member for establishing a gas-tight connection between said bottle and the mixing chamber, means including a vertically movable gas feed tube passing through the chamber and operable to introduce pressurized gas into the bottom zone of the liquid contents of said bottle in such manner that a portion of the liquid in said bottle is forced into said chamber and atomized therein, means for vent-

2,628,826

ANTISURGE CARBURETOR

Van C. Worden, Detroit, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 8, 1948, Serial No. 37,679
2 Claims. (Cl. 261-40)



1. An automotive carburetor having a mixture conduit, a constant level chamber with a plurality of fuel metering orifices in its lower part, a float and a float valve in said chamber, walls surrounding said orifices in immediate proximity to the peripheries thereof and extending above the fuel level between said conduit and said float, said walls forming individual, restricted wells for initially confining surge effect thereto, a passage connecting the lower parts of said wells, and a supply port for said wells leading from said passage to said constant level chamber said wells being isolated from said reservoir except for the fluid connection through said passage and port.

2,628,827

APPARATUS FOR AERATING FLOTATION PULPS AND THE LIKE

Arthur C. Daman, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application July 5, 1947, Serial No. 759,008
10 Claims. (Cl. 261-87)

1. In aerating apparatus, a cell for pulp having an overflow establishing a liquid level therein and means for aerating and agitating the pulp comprising structure providing a substantially tubular passage closed at its top and having an upper intake opening for pulp below but adjacent the liquid level and a mixing chamber below the passage, a vertically-disposed rotary agitator having blades extending throughout

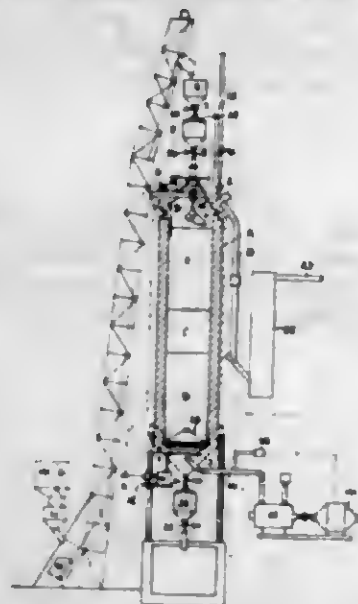
ing said chamber for said aerating and atomizing operation, means allowing the liquid to flow into the bottle from said chamber after the pressure is equalized in the bottle and chamber, a container for carbonic acid having a reducing valve and socket connection with the gas feed tube, means associated with said mixing chamber enabling the raising of said gas feed tube out of the bottle during aeration, and a handle at the upper end of said pillar adopting the apparatus to be transported as an integral unit.

2,628,829

CALCINING APPARATUS

Joseph J. Ruiz, Cleveland, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio

Application October 25, 1947, Serial No. 782,099
5 Claims. (Cl. 263-29)



1. In calcining apparatus having a vertical calcining chamber and a charging hopper therefor with an inlet valve and an outlet valve, a stationary outlet pipe from the outlet valve, a rotatable sleeve in communication for passing material into the top of said chamber, drive means for rotating said sleeve, a stuffing box between said sleeve and said pipe, a distributing means carried by the lower end of said sleeve for rotation therewith, said distributing means being within the upper end of the calcining chamber and continuously rotatable when the outlet valve is open for passing material to said chamber so as to evenly distribute the material within the chamber, discharge means at the bottom of the chamber, a discharge hopper below said discharge means having an inlet valve and an outlet valve, and means for supplying compressed air to the bottom of said chamber, said distributing means including a plate of cone-like form with the apex thereof pointing upwardly and with the bottom edge of the plate being spaced from the vertical axis thereof by amounts continuously varying around the bottom edge.

2,628,830

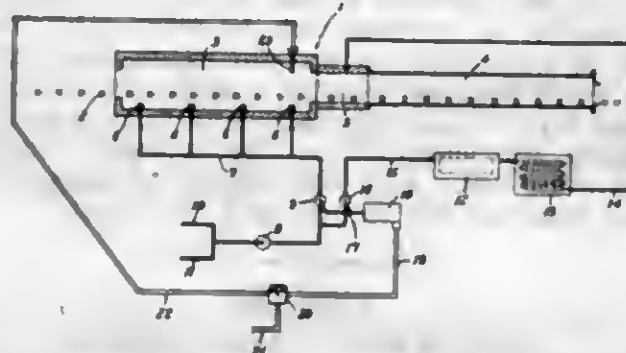
CONTROLLED ATMOSPHERE ANNEALING FURNACE

Elmer L. Kerr, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio

Application May 18, 1951, Serial No. 227,082
5 Claims. (Cl. 266-5)

3. Apparatus for completely filling the heating and cooling chambers of an annealing furnace

with special atmosphere at all times throughout a wide range of furnace heat demand from idle to full production operation with minimum fuel waste including, fuel burners for the furnace heating chamber, a combustion type special atmosphere generator connected with the furnace heating chamber, valve controlled fuel-air supply means for the burners, valve controlled fuel-air supply means for the generator, means selectively



simultaneously closing one valve and opening the other or opening said one valve and closing the other, and furnace-temperature-responsive control means for said last-mentioned means, whereby the furnace heating chamber is supplied selectively with minimum waste with special atmosphere from either or both of the products of combustion of fuel fired into the furnace or burned in the generator.

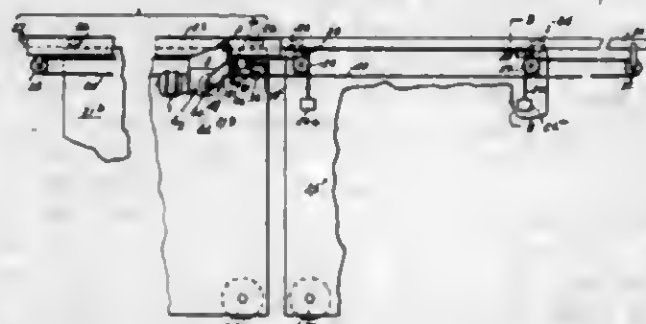
2,628,831

DOOR OPERATING MECHANISM

Henry F. Martin, Centerline, Mich., assignor to Detroit Holst and Machine Company, Detroit, Mich., a corporation of Michigan

Original application February 25, 1947, Serial No. 730,723. Divided and this application June 24, 1950, Serial No. 170,187

2 Claims. (Cl. 268-49)



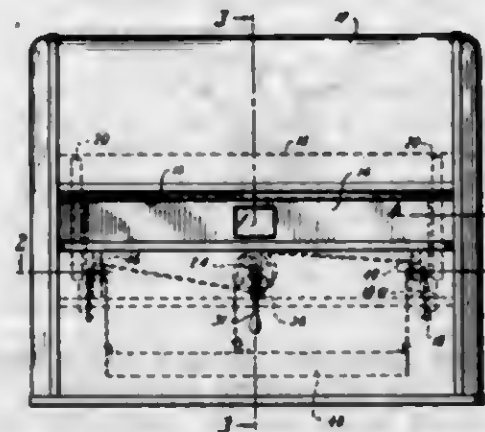
1. In a building structure having a door opening, an upright door with floor engaging rollers for a portion of said opening, and power means for slidably opening and closing said door; a second upright door with floor engaging rollers for the remainder of said opening and aligned with said first door, a series of pulleys on said second door and upon said building structure upon opposite sides of said opening, a cable centrally joined to said first door with intermediate portions thereof extending around the pulleys on said structure and with outer portions thereof wound around the pulleys on said second door, said cable having free ends depending from said second door pulleys, weights upon said free ends, and means on said second door alternately restraining respectively said door pulleys against rotation on opening and closing movements respectively of said power driven door, whereby said doors will simultaneously open and close.

2,628,832

DOOR OPERATING MECHANISM FOR BAKERS' OVENS

Louis D. Houllis, Dallas, Tex.

Application June 15, 1949, Serial No. 99,324
7 Claims. (Cl. 268-58)



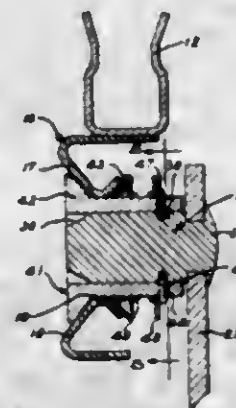
1. The combination with a baker's oven having insulated walls and also having a door movable in a vertical plane to open and closed positions, of a door operating mechanism including, a rotatable main operating wheel mounted on the oven wall and having an operating shaft accessible from the exterior of the oven, a pair of idler pulleys mounted within the interior of the oven in the same vertical plane as the path of movement of the door, each idler pulley being disposed in vertical alignment with one side portion of the door, a flexible connecting element having one end attached to one side of the door and passing over one of the idlers and attached to the main operating wheel, a second flexible element having one end attached to the opposite side of the door and passing over the second idler and also attached to the main operating wheel, whereby rotation of the wheel through its operating shaft winds said flexible elements about the operating wheel to impart vertical movement to the door to open and close the same.

2,628,833

WINDOW REGULATOR

Charles H. Blanton, Royal Oak, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application September 19, 1950, Serial No. 185,551
2 Claims. (Cl. 268-126)



1. In a window regulator for a vertically slidable motor vehicle window, spaced horizontal guideways secured to the lower edge of said window, a retainer assembly slideably and rotatably mounted in each of said guideways, each of said retainer assemblies comprising a hollow sleeve having an enlarged flange at one end thereof, a pair of washers slideably mounted on said sleeve, a coil spring encircling said sleeve between said

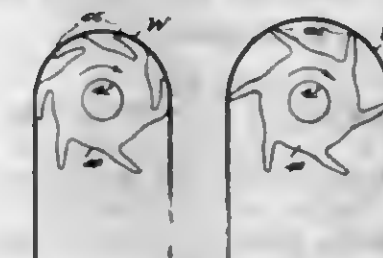
washers, and a spring clip embracing said sleeve and having inwardly extending detent portions projecting through slots formed in opposite side-walls of said sleeve, said retainer assemblies being adapted to be preassembled to said guideways, a window regulator mechanism comprising a support, a pair of crossed regulator arms, a gear segment secured to one of said arms, and studs secured to the outer ends of said regulator arms and extending into the hollow sleeves of said retainer assemblies, each of said studs having an annular groove formed in its periphery to receive the detent portions of said spring clips and a tapered end portion at the end of the stud remote from the regulator arm, said regulator assembly being preassembled as a unit and readily attached to the horizontal guideways by inserting the studs at the ends of the regulator arms into the sleeves of the retainer assemblies carried by the guideways until the detent portions of the spring clips thereof snap into the annular grooves formed in the studs to complete the assembly.

2,628,834

WEB FEEDING MECHANISM FOR PHOTOGRAPHIC APPARATUS AND THE LIKE

James F. Craib, Town of Gates, N. Y., assignor, by mesne assignments, to Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application May 3, 1948, Serial No. 24,734
4 Claims. (Cl. 271-2.3)



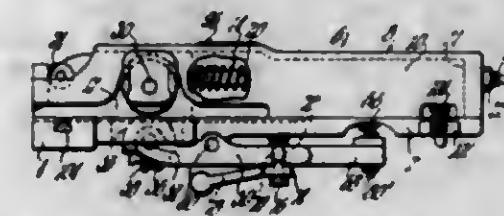
1. Web feeding apparatus embodying a series of spaced parallel supports over which a web may be run to form a multiplicity of continuing loops, certain of said supports comprising rolls the contact peripheries of which are composed of a plurality of relatively thin upstanding resilient ribs each arranged obliquely to a radial line passing through that rib and being laterally bendable to produce substantial variation in the effective working radius of the outer end of the rib, and means for driving the rolls in unison at the same rotary speed.

2,628,835

FEEDING APPARATUS

Hubert E. Dickerman, Springfield, Mass.

Application May 12, 1950, Serial No. 181,686
3 Claims. (Cl. 271-2.4)



1. Apparatus for feeding successive lengths of strip material forwardly thereof comprising, an elongated support and an elongated housing secured thereto and cooperating therewith to provide a closed elongated guideway open at the forward end thereof, a slide reciprocable forwardly and rearwardly in said guideway having a for-

ward end for projecting through the open end of the guideway adapted for engagement by reciprocating means to move said slide rearwardly, means to resist rearward movements of said slide and to move the same forwardly and variably limit forward movements of said slide, a shaft rotatable in said housing having an outer free end, gears on said shaft and clutching means between said gears and shaft arranged and adapted to alternately clutch said gears to said shaft as said gears are alternately rotated in a corresponding direction to rotate said shaft in feeding direction, means carried by said slide to engage and rotate said gears in movements thereof in opposite directions, said shaft having an upper drive gear fixed thereto and an upper roll fixed on the outer free end thereof, a lever provided with a rear free end and a forward end and being pivoted intermediate said ends to said support and having a driven gear and a lower roll simultaneously rotatable in the forward end thereof for engagement with the drive gear and upper roll of said shaft, said support and rolls and lever arranged whereby strip material may be inserted inwardly between and axially of said rolls, spring means between the rear free end of said lever and said support acting on said lever to urge said rolls into yielding engagement, manually operable cam means connecting said support and lever operable on said lever to overcome the action of said spring means, and engageable means operable in rearward position of the slide cooperating with said manually operable means to overcome said spring means.

2,628,836

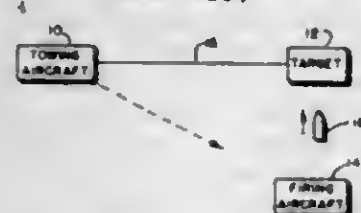
TOW TARGET HIT INDICATOR

Robert N. Gangel, Oceanside, N. Y.

Application January 9, 1946, Serial No. 640,021

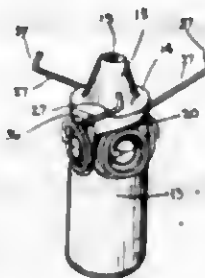
1 Claim. (Cl. 273-101)

(Granted under Title 35, U. S. Code (1952), sec. 266)



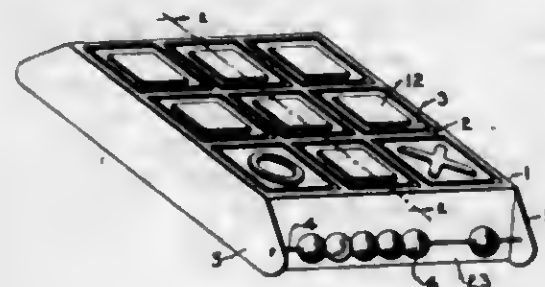
In an aerial target practice system, a towable conductive target, means for towing said target aloft, a superregenerative receiver disposed in said towing means, said receiver being tuned to a region of the radio wave spectrum which is relatively free of atmospheric static and random noise, said receiver being adapted to operate in response to static discharges to its antenna circuit, means connecting said target in the antenna circuit of said receiver, said target providing a signal to said receiver upon the static discharge to said target of statically charged projectiles contacting and passing in close proximity to said target, means for amplifying and limiting the output of said receiver, a signal shaping circuit coupled to said amplifying and limiting means, said signal shaping circuit being operative upon the occurrence of a signal in the output of said receiver to produce a shaped output signal, a radio frequency oscillator operative in response to signals from said signal shaping circuit, means for radiating the signals generated by said radio frequency oscillator and a second receiver located at the source of said statically charged projectiles, said second receiver being tuned to receive the radiated signals generated by said radio frequency oscillator.

2,628,837
ARROWHEAD WITH RESILIENT ARMS
Clifford J. Zwick, North St. Paul, Minn.
Application May 26, 1947, Serial No. 750,498
5 Claims. (Cl. 273-106.5)



1. An arrow head including a body member, a series of radially extending projections thereon, and a series of tangentially extending arms resiliently connected to said projections.

2,628,838
ROTARY BLOCK GAME APPARATUS
Daniel F. Smalley, Battle Creek, Mich.
Application January 29, 1947, Serial No. 725,043
10 Claims. (Cl. 273-130)

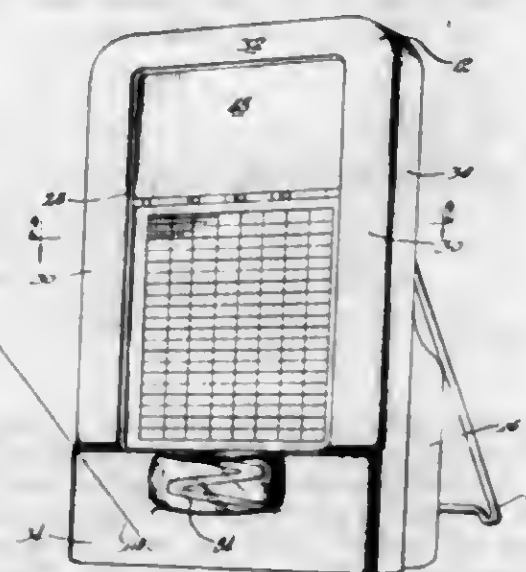


1. A game apparatus of the class described, which comprises the combination of a frame member, a multiplicity of substantially parallelly ended blocks having at least three substantially flat side faces, a supporting means carried by said frame member and on which said blocks are mounted in position for reversible rotary movement accompanied by a slight upward movement of each block during its rotation from a position of rest with a face substantially horizontal when the top of said frame is horizontal, and a pivot means for each of said blocks, said pivot means of each block being of a non-round shape to cooperate with, rest on, and engage said supporting means in manner causing said slight upward movement when said block is rotated from a position of rest on said supporting means.

2,628,839
GAMEBOARD STAND
Walter F. McNamara, Chicago, Ill.
Application November 25, 1947, Serial No. 787,950
3 Claims. (Cl. 273-139)

1. A gameboard stand adapted removably to receive and support a disposable type punchboard carrying counters adapted to be punched rearwardly from the punchboard, comprising in combination front and rear slightly rearwardly inclined stand parts, said rear part including an upstanding open rectangular frame having a forwardly projecting flange along the upright and top horizontal portions thereof and located outwardly of the inner edge of said frame, a horizontal partition extending transversely across

said rear part at the lower edge of said opening and projecting both forwardly and rearwardly of said frame opening, a panel supported on said partition and closing said frame opening, said panel lying against the inner face of said frame portions and being located by said forwardly projecting flange, wall means defining a compartment below said partition, a second panel substantially shorter than said first named panel and having a transparent portion intermediate its ends upstanding from said partition, means positioning said second panel forwardly of said first panel to provide a space therebetween to receive counters punched from the punchboard, an opening in said partition positioned between said first and second panels through which the punched out counters may fall into said compartment, a movable trap door closing said opening, and means operable from the rear of the stand for manipulating said trap door, said front stand part including a frame having an inwardly



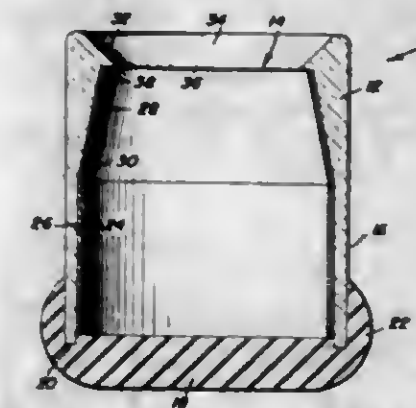
directed front opening defining flange, the inner edge of which is positioned to the inside of said rear frame flange and having a rearwardly disposed flange along the outer edges thereof adapted to enclose the outer peripheral edge of said rear frame, a plurality of punchboard supporting and positioning lugs projecting rearwardly from the inner face of said front frame, and a viewing opening in said front stand part coinciding with said transparent portion of said second panel when said stand parts are assembled so that counters punched from the punchboard may be seen before being dropped through said partition opening, and means securing said front and rear stand parts together so that the punchboard positioned by said rearwardly projecting lugs is clamped between said forwardly projecting rear frame flange and said inwardly disposed front frame flange.

2,628,840
DICE BOX
Edward Lanbe, Jr., Chicago, Ill., assignor, by direct and mesne assignments, to Taylor and Company, Chicago, Ill.
Application October 25, 1949, Serial No. 123,457
1 Claim. (Cl. 273-145)

A dice box comprising a substantially cylindrical receptacle having a transparent lateral wall and an open upper end, and a coating of reflective material provided on the inner surface of said wall, the intermediate portion of said inner surface being inwardly tapered whereby the reflective coating thereon is directly up-

867 O. O.—46

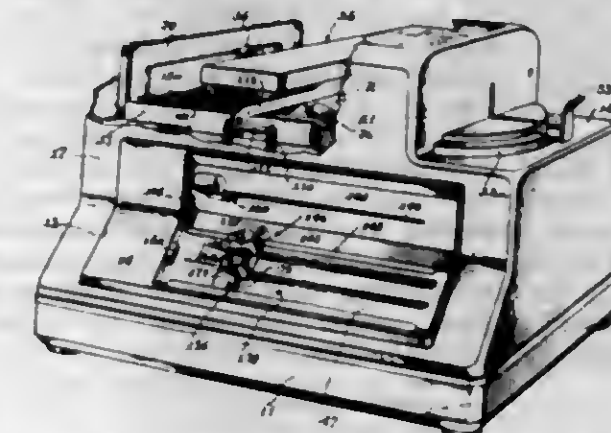
wardly and outwardly from the open end of the receptacle, and the upper end portion of said



inner surface being outwardly tapered to provide an annular bevelled edge on the open upper end.

2,628,841
ADVANCE MARKER FOR DICTATING MACHINES

Charles W. Dann, Malden, Mass., and Richard M. Somers, West Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Original application March 12, 1948, Serial No. 14,506. Divided and this application April 20, 1950, Serial No. 157,146
3 Claims. (Cl. 274-1)



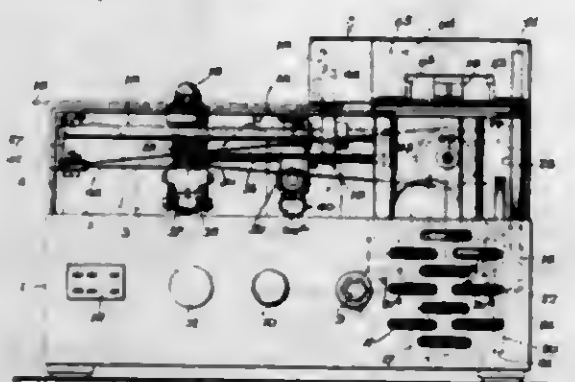
1. In a dictating machine including a translating device mounted for travelling movement relative to a cooperating record, and an index slip adapted to receive punch marks to indicate positions of said translating device relative to the record: the combination of means operatively connected to said device for selectively conditioning the same in recording and other conditions; a holder for supporting said index slip with one side thereof exposed; a punch moved along the back side of said index slip in corresponding relation to the movement of said translating device relative to the record; means operable by said conditioning means for actuating said punch to make a punch mark on said slip simultaneously as the condition of said device is changed; and a strip-like member carried with said punch and extending crosswise of said slip at the front side thereof, said member having a hook-shaped end portion in proximity with said slip and surrounding partially the point of contact of the punch with the slip for backing the border of the slip around the punch as the punch is operated, said hook-shaped end portion terminating in a pointer offset rearwardly with respect to the direction of travelling advance of said punch along the slip which when aligned with a punch mark on said slip will cause said translating device to be advanced by the amount of said offset from the position occupied by the translating device when said punch mark was made.

2,628,842

PORTABLE SOUND RECORDING AND REPRODUCING MACHINE

Frank L. Moore, Hartford, and Willard A. Roberts, Wethersfield, Conn., assignors to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application May 28, 1946, Serial No. 672,808
4 Claims. (Cl. 274-9)

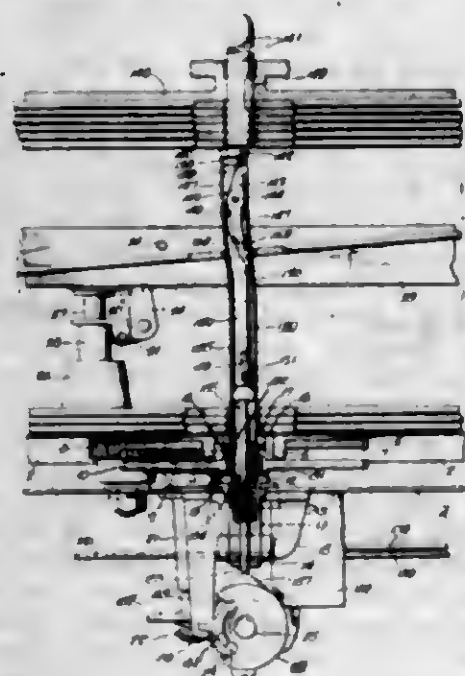


1. A sound translating machine comprising a frame, a record carriage mounted on said frame for relative rectilinear movement, a worm rotatably mounted in said carriage and rectilinearly movable therewith, a worm wheel engaging said worm, a shaft secured to said worm wheel and projecting therebeyond, means supporting said shaft for rotation with respect to said frame, a brake acting on a projecting portion of said shaft with a force sufficient to prevent rotation of said worm wheel under reactive forces produced by rotation of said worm, a carriage shifting control member carried by said frame and rotatable about an axis fixed with respect to said frame, and a force converting mechanism interconnecting said control member and carriage for transmitting forces to said carriage sufficient to overcome the force of said brake and rotate said worm wheel and impart relatively small rectilinear movements to said carriage.

2,628,843

AUTOMATIC PHONOGRAPH

Alfred E. Comstock, Chicago, Ill.
Application October 9, 1946, Serial No. 702,331
4 Claims. (Cl. 274-10)



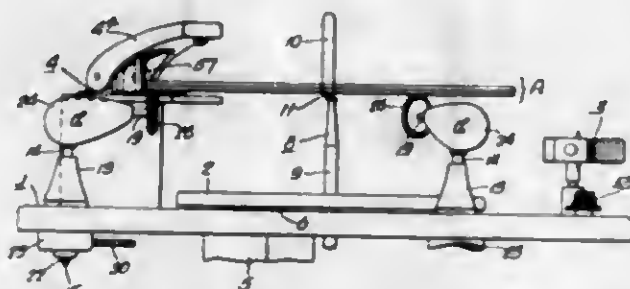
1. In a phonograph having a record turntable, a transfer mechanism for supporting above said turntable a plurality of vertically superimposed

records having an interface between adjacent records comprising a spindle mounted coaxially of the turntable and including relatively axially spaced apart and laterally offset intermediate and upper spindle portions providing a support for records received on said upper spindle portion, and discharge means including a displacement element operable between said intermediate and upper spindle portions and having a side surface portion arranged to engage the lowermost record in the stack to eject the same from said support and an upwardly curving top surface portion for entering the lowermost interface to engage the next to lowermost record and lift the same whereby the weight and pressure of the remainder of the stack of records is removed from said lowermost record during ejection thereof.

2,628,844

AUTOMATIC PHONOGRAPH

Alfred E. Comstock, Chicago, Ill.
Application January 21, 1947, Serial No. 723,369
23 Claims. (Cl. 274-10)



1. In a phonograph of the type for successively playing records supported in a vertically spaced relation, a record turntable adapted to be rotationally driven in one direction, support means to support an upper stack of one or more records in spaced relation above the turntable, drive means including a plurality of rollers arranged circumferentially of the turntable and shiftable between inoperative positions laterally clear of the records on said support and operative positions underlying the upper stack of records, means for moving said rollers vertically upward to engage and lift the stack of records from said support, means to drive said rollers to rotate said upper stack of records, and means to shift said drive rollers between said inoperative and operative positions in predetermined timed relation synchronized with the playing of records supported respectively above and on said turntable.

2,628,845

PHONOGRAPH

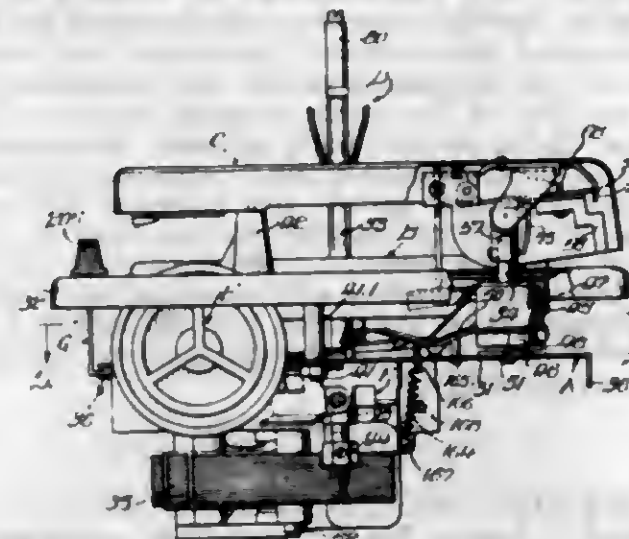
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois

Original application December 15, 1949, Serial No. 133,168. Divided and this application January 13, 1950, Serial No. 138,474

2 Claims. (Cl. 274-15)

1. In a phonograph, the combination of a supporting base, a record-supporting turntable journaled for rotation on the base, a motor mounted on the base and connectable to rotate the turntable, a tone arm oscillatingly mounted on the base and supporting a stylus to traverse a record on the turntable, means providing a hinge for the tone arm to permit swinging in a vertical plane into and out of recording contact with a record, a plate mounted intermediately its ends on the base to swing in a horizontal plane on a vertical axis and tilt in a vertical

plane on a horizontal axis, a cam member associated with the turntable and having a track adapted to effect horizontal and vertical movement, a cam track follower on one end of the plate adapted to traverse the cam track to effect a tilting and swinging of the plate, means on the other end of the plate adapted to engage the tone arm to elevate the same and carry it to starting position when the plate is tilted and swung as a result of engagement of the follower with the cam track, tripper means actuated by the tone arm as it approaches the limit of its inward movement to shift the plate to initiate engagement of the cam track follower with the cam track whereby the plate is actuated by said cam member to return the tone arm to starting position.

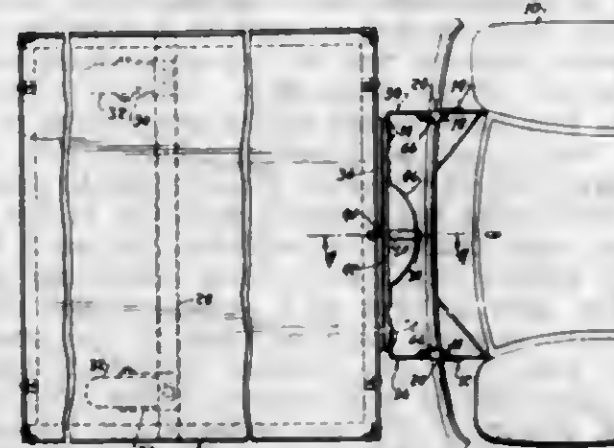


position, a second arm hinged on the tone arm adjacent the hinge, a weight fixed on the second arm rearwardly of the tone arm hinge, co-acting shoulders on the second arm and the tone arm adapted to engage each other when the tone arm is released for stylus recording contact with a record on the turntable and thereby counterbalance the weight of the tone arm on the record, and a detent on the second arm adapted to engage the means whereon the tone arm is hinged to render the weight ineffective as a counterbalance when the tone arm is engaged by the plate whereby the full weight of the tone arm forwardly of its hinge operates to hold the tone arm in contact with the plate during the return of the tone arm to starting position.

2,628,846

TRAILER VEHICLE AND COUPLING THEREFOR

Gilbert Bratlien, El Monte, Calif.
Application April 26, 1950, Serial No. 158,310
3 Claims. (Cl. 280-33.4)



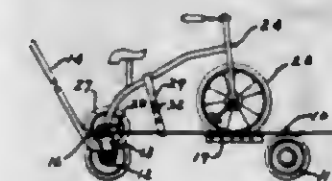
1. In a trailer of the type having a bed supporting frame and caster wheels carried by said

frame below the level thereof to swing about spaced vertical axes, means for coupling said trailer to a traction vehicle comprising a bar mounted crosswise on the trailer frame at the front end thereof to turn about a horizontal axis that lies substantially midway between the spaced vertical axes, spaced T-shaped members having parallel arms projecting forwardly from the ends of said bar, spaced parallel bracket arms fixed to a traction vehicle at the rear end thereof, and means pivotally coupling the extremities of the first arms to those of the bracket arms for movement about a horizontal axis that intersects the first mentioned horizontal axis.

2,628,847

VEHICLE FOR TRANSPORTING VELOCIPEDES

Sara B. Hawkins, Tampa, Fla.
Application October 27, 1948, Serial No. 56,713
3 Claims. (Cl. 280-49)

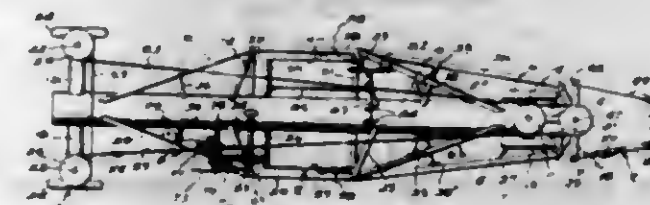


1. For use in transporting a velocipede of the type having two rear wheels and a single front wheel, a deck, supporting wheels for the deck, there being a longitudinally extending narrow slot in the deck of a width rotatably receiving the periphery of the front wheel of the velocipede and restraining said front wheel against transverse movement relative to the deck, a roller bed beneath the slot on which the front wheel is adapted to be rotatably supported, and releasable means on the vehicle deck to secure the velocipede to the deck with its front wheel in said slot and resting on said roller bed.

2,628,848

FOUR-WHEEL STEERING ACTUATED BY CABLE MEANS

William Isaac, Shafter, Calif.
Application January 27, 1948, Serial No. 4,530
2 Claims. (Cl. 280-99)



1. In a trailer of the class described, a chassis having a pair of steering wheels mounted on a common axle adjacent its forward end and a second pair of wheels independently mounted adjacent its rear end, in combination with a steering means, said steering means comprising a shaft rising from each of the mountings of said second wheels, another shaft rising from the center of said axle, a pulley mounted on the upper end of each of said shafts, a steering rod mounted vertically for turning movements at the forward end of the chassis, a draft coupling operatively connected with said rod, another pulley mounted on the upper end of said rod in a common plane with respect to the other of said pulleys, and an endless flexible connector trained about said pulleys and fastened at opposite points on the

periphery of the pulley on the said another shaft so that both pairs of the wheels of the chassis will be turned simultaneously in opposite directions necessary to trail the direction of travel of the draft medium connected with the said coupling.

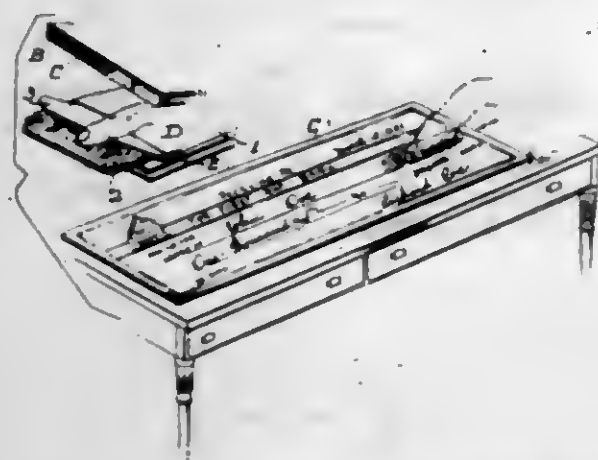
2,628,849

CHECK AND SCRIPT PROTECTOR

David J. Williams, Olyphant, Pa.

Application April 23, 1951, Serial No. 222,417

4 Claims. (Cl. 283-9)



1. A method of protecting ink written script on paper which consists in applying a film of potassium bitartrate and glycerin to the written portion of the surface of the paper to increase the avidity of the paper for subsequent application of ink and to cause the ink superimposed thereon to blot or blur.

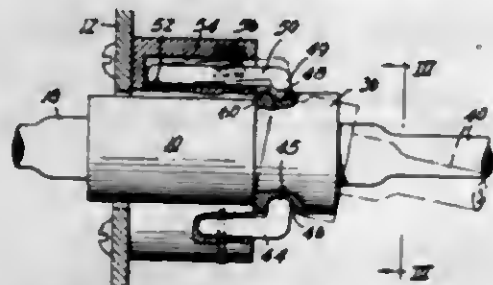
2,628,850

RELEASABLE CONDUIT CONNECTION WITH AUTOMATIC VALVING

Donald V. Summerville, Fort Erie, Ontario, Canada

Application March 19, 1949, Serial No. 82,325

1 Claim. (Cl. 284-4)



A fluid coupling device comprising a box structure adapted to be fixed to a support, the box structure having a first body member of the coupling device supported therein, the box structure having a first recess therein, a fulcrum arm rigidly mounted in the first recess and extended beyond the box structure, the fulcrum arm having an upturned nose portion integral therewith on the extended portion, a second recess in the box structure diametrically opposite to the first recess, a pivoted latch member mounted in the second recess and extended beyond the box structure parallel to the fulcrum arm, the pivoted latch member having a nose portion integral therewith and extended downwardly toward the upturned nose portion of the fulcrum arm, a spring mounted in the second recess and bearing upon the latch member to force the latch member downwardly toward the fulcrum arm, a second body member of the coupling device having a first recess therein engaged by the nose portion of the fulcrum arm and a second recess diametrically opposite the first recess engaged by the nose portion of the latch member, a cam surface on the second body member adjacent the second recess, the body members of the coupling having bores in alignment to provide a fluid passageway therethrough when the body members are coupled together, one of the body members having a valve seat formed concentrically of its bore and a valve disposed within the bore, spring means in said body normally biasing the valve member into engagement with the valve seat, the other body member being provided with means bearing against and displacing said valve member against the spring means to open the passageway through the body members, whereby the second body member may be coupled to the first body member and the box structure by first engaging the first recess of the second body member with the fulcrum arm and then engaging the nose portion of the latch member with the cam surface of the second body member to force the latch member away from the fulcrum arm against the action of the spring and allowing the nose portion of the latch member to ride over the cam surface into the recess adjacent thereto whereupon the body members will be locked in coupling engagement, and the valve will be forced from the valve seat to open the passageway through the body members.

tion of the fulcrum arm and a second recess diametrically opposite the first recess engaged by the nose portion of the latch member, a cam surface on the second body member adjacent the second recess, the body members of the coupling having bores in alignment to provide a fluid passageway therethrough when the body members are coupled together, one of the body members having a valve seat formed concentrically of its bore and a valve disposed within the bore, spring means in said body normally biasing the valve member into engagement with the valve seat, the other body member being provided with means bearing against and displacing said valve member against the spring means to open the passageway through the body members, whereby the second body member may be coupled to the first body member and the box structure by first engaging the first recess of the second body member with the fulcrum arm and then engaging the nose portion of the latch member with the cam surface of the second body member to force the latch member away from the fulcrum arm against the action of the spring and allowing the nose portion of the latch member to ride over the cam surface into the recess adjacent thereto whereupon the body members will be locked in coupling engagement, and the valve will be forced from the valve seat to open the passageway through the body members.

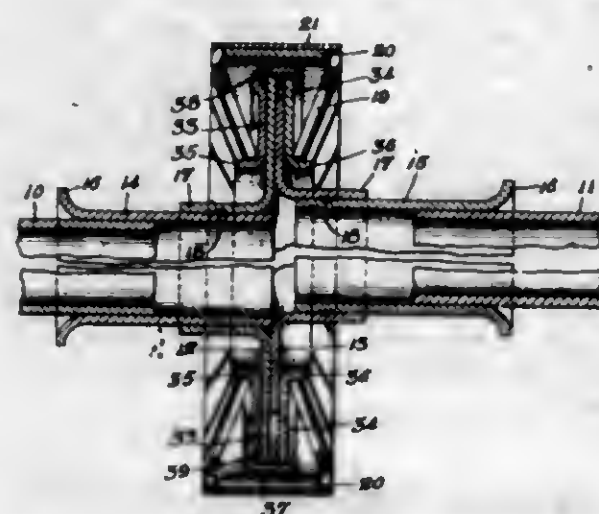
2,628,851

FLEXIBLE VENTILATED COUPLING

Richard O. Jessup, Los Angeles, Calif., assignor to Marman Products Co., Inc., Inglewood, Calif., a corporation of California

Application October 17, 1950, Serial No. 190,513

4 Claims. (Cl. 285-129)



1. In a coupling for joining tube sections: a pair of radially extending flanges on the ends of the respective tube sections, one of said flanges being of larger diameter than the other; a first pressure ring having an axially projecting rim, a second pressure ring of the same diameter as the larger flange, said first pressure ring receiving and being fitted to the peripheries of the larger flange and said second pressure ring, said first and second pressure rings being in face to face embracing engagement with the larger and smaller tube flanges respectively and each having an axially projecting collar encircling a respective tube section and having radial clearance with respect thereto, whereby the smaller flange and the tube section attached thereto may shift radially with respect to the remainder of the assembly for accommodating misalignment between the tube sections, said collars projecting away from the respective tube flanges and cooperating with respective pressure rings,

where they are joined thereto, to define annular corners; a constricting band; means for circumferentially constricting the same; and pressure transmitting means converging inwardly from respective sides of said constricting band and engaged in said corners to resolve radially constricting forces into axial forces pressing said pressure rings against said flanges; said second pressure ring being arranged for axial floating movement within said rim of the first pressure ring, whereby said pressure rings may distribute said axial forces uniformly about the whole circumference of the area of application of said axial forces.

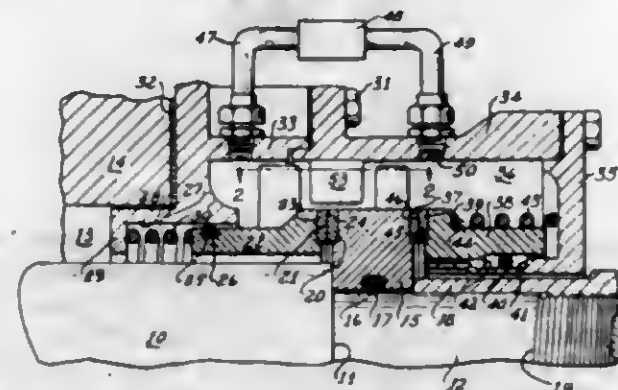
2,628,852

COOLING SYSTEM FOR DOUBLE SEALS

Charles F. Voytech, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application February 2, 1949, Serial No. 74,216

5 Claims. (Cl. 286-11.14)



1. In combination with a rotary sealing device having a member provided with a radially disposed sealing surface and a rotatable member having a radially disposed sealing surface in contact with the first-mentioned sealing surface to form a fluid-tight seal therebetween, cooling means for the members, said cooling means comprising a housing surrounding the sealing device and defining a chamber around the said device, a resilient support for the first-mentioned member on said housing to allow the said first-mentioned member to move relative to the housing to take up for wear and misalignment of said members, a coolant in the chamber and in contact with the sealing device, and means for circulating the coolant over the said members, said means comprising vanes rotatable with the rotatable member and adapted to force the coolant toward the other member, cooling fins on the said other member in the path of the coolant, and means between the vanes and fins and operable upon the coolant for substantially eliminating torque on the said other member resulting from passage of the coolant over the said other member.

2,628,853

STUFFING BOX GLAND

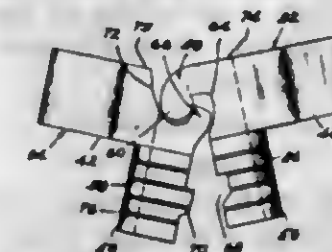
William Carl Pfell, Chicago, Ill.

Application March 13, 1948, Serial No. 14,800

2 Claims. (Cl. 286-33)

1. A device of the character described comprising a pair of cooperating sections each having a sleeve-forming portion, a first pair of substantially talon-shaped fingers protruding substantially tangentially from the sleeve-forming portion of one of said sections and substantially adjacent one end thereof, and a second pair of complementary substantially talon-shaped fingers protruding from the sleeve-forming portion of

the second section and extending substantially tangentially thereof; said first pair of fingers extending arcuately in one direction axially of said sleeve-forming portion of said first section and toward the other end thereof and terminating in substantially cylindrically shaped ends which cooperated with the adjacent surfaces of said sleeve-forming portion to form arcuate shaped pockets therein, said second pair of fingers extending arcuately in the opposite direction and axially of the sleeve-forming portion of said second section to form cooperating cylindrical seating surfaces for the cylindrical end portions of said first pair of fingers, said second section having additional surfaces formed therein which extend outwardly from said cylindrical seating surfaces to the end of said section adjacent said second pair of fingers and to a point substantially spaced from the first pair of arcuately extending fingers when the two sections are assembled, and said second pair of fingers having the ends thereof of substantially the same contour as said arcuate shaped pockets of the first section and being seatable therein to effect substantial interlocking embracement of said cylindrically shaped ends when said sections are in assembled relation, the aforesaid formation of said two pairs of fingers and the associated outwardly extending additional surfaces of said second section being such as to permit entry of the first pair of fingers into cooperative engagement with the second pair of fingers with the cylindrical end portions of the first pair of fingers properly seating in said cylindrical seating surfaces formed by the second pair of fingers and providing interlocking embracement of the two pairs of fingers when said sections are assembled together and requiring relative pivotal movement of both sections about said pairs of fingers to effect separation of said sections.



2,628,854

QUICK RELEASE LOCKING MECHANISM

Fred R. Gardner, Wichita, Kans.

Application July 5, 1949, Serial No. 103,140

1 Claim. (Cl. 287-58)



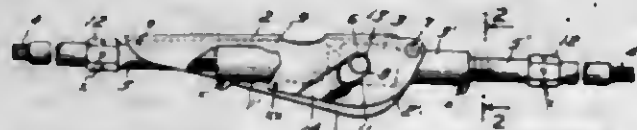
A mechanism for frictionally and releasably locking two telescoping members against relative longitudinal movement, the receiving one of said members being tubular, and the inner member being cylindrical and having a smooth outer surface, said mechanisms comprising: a cylindrical sleeve or collar fixed on the outer surface of the receiving member; aligned circular apertures of identical size and shape through said collar and through the wall of the outer telescoping member forming a laterally disposed guideway; a shoe of cylindrical cross section slidably fitting in said guideway for reciprocating movement into and out of contact with the smooth cylindrical surface of the inner member.

drical surface of the inner telescoping member, the outer end of said shoe projecting outwardly beyond said collar; a bifurcated lever mounting bracket carried by said collar adjacent the aperture therein; a lever pivotally mounted intermediate its ends between the furcations of said bracket the distance from the pivot point to either end of the lever being greater than the distance from the pivot point to the adjacent surface of the outer telescoping member; an interfitting tongue and groove connection between one end of said lever and the outer end of said shoe to prevent shoe rotation in its guideway; and an elongated curved leaf spring having one end secured to said lever adjacent its pivot point, the opposite end of said spring being curved toward and into free sliding contact with the exterior surface of the outer telescoping member at a point remote from said pivot point, an intermediate portion of said spring contacting an intermediate portion of the lever and urging it to pivot outward in a direction to force the shoe contacting end of the lever against the outer end of said shoe.

2,628,855

COUPLING FOR CONTROL CABLES

Clifford E. Cushman, Burbank, Calif., assignor to Sturgess Inc., Glendale, Calif., a corporation of California
Application October 23, 1950, Serial No. 191,714
5 Claims. (Cl. 287-76)



1. A cable coupling comprising a body member adapted to receive a first cable terminal at one end, and a hand lever pivoted at the other end to swing from a closed position longitudinally of and against the body to an open position projecting outward thereof, and a second cable terminal provided with an enlarged free end, said body and lever formed with spaced walls providing a free passage extending through the lever where pivoted, a seat formed on the inner side of the body to receive the enlarged end of said second cable terminal, and a seat in said lever adjacent its pivotal point to receive and hold said enlarged end, accessible thereto after being passed through the space between the lever walls from the outer side of the lever when in opened out position, and whereby the closing of the lever will force the enlarged end of the terminal into the seat of the body.

2,628,856

TWINE HOLDER HAVING A TWINE GUIDING NOTCH

John W. England, Iowa Falls, Iowa
Application April 14, 1952, Serial No. 282,239
8 Claims. (Cl. 289-14)



1. A twine holder for use in a tying machine having a pair step by step twine engaging disks; said twine holder comprising a supporting arm having means adjacent one end for pivotally mounting the same and having a plate-like central presser finger extending therefrom and

a pair of plate-like fingers mounted in spaced relation to said first presser finger, and at least one of said pair of fingers having a twine guiding notch.

2,628,857

RELEASABLE BALE HOOK

George E. Nelson, Salem, Wash.
Application July 19, 1949, Serial No. 105,487
1 Claim. (Cl. 294-26)

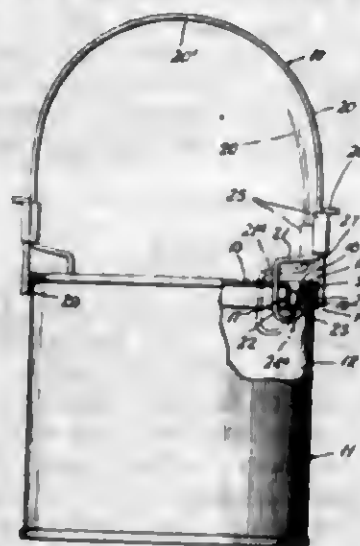


A bale hook comprising a pair of spaced, opposed bars, a bolt connecting one end portion of said bars, a pin extending between the bars adjacent said bolt, a handle mounted between the other end portions of the bars, a hook including a hub on one end portion journaled on the bolt, circumferentially spaced lugs on the hub engageable with the pin for positively limiting swinging movement of the hook in opposite directions, coil springs on the hub on opposite sides of the hook having one end anchored to the pin and their other ends anchored to one of the lugs for returning said hook to operative position, and a spring projected, manually retracted latch slidably mounted between the bars and engageable with said one lug for releasably securing the hook in operative position.

2,628,858

DETACHABLE BAIL-SHAPED HANDLE FOR RIMMED CANS

William J. Doty, Port Richmond, N. Y.
Application February 18, 1947, Serial No. 729,309
16 Claims. (Cl. 294-33)



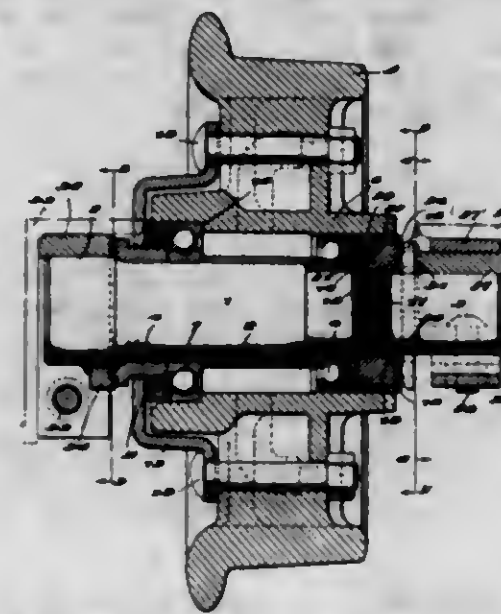
1. A handle for attachment to a can having a rim; said handle comprising a one-piece wire bail part having at each end a substantially horizon-

tal part over the rim and an inclined free arm pivotally engaging the side wall under the rim; the handle, said part, arm and rim being such that when the ball is inclined, said free end will pivotally engage said rim and side wall while the top of the ball part is disposed away from over the can.

2,628,859

WHEEL AND AXLE ASSEMBLY

Perry S. McCallen and Harry W. Jones, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Original application February 24, 1945, Serial No. 579,546. Divided and this application September 24, 1947, Serial No. 775,850
2 Claims. (Cl. 295-49)



1. In a wheel and axle assembly including a stub axle, a wheel having a hub journaled on the axle; said hub having an open outer end, a nut at said outer end of the hub and arranged to confine the wheel on the axle, means forming a threaded connection between the nut and the axle, a cotter pin extending into the axle at the outer side of the nut for confining the nut relative to the axle, said nut having a groove in the inner wall thereof adjacent the outer face of the nut and arranged at the outer end of the threaded connection, a felt packing ring seated in said groove between the nut and axle and arranged to prevent the entrance of water to the threaded connection, and a washer interposed between the felt packing and the cotter pin.

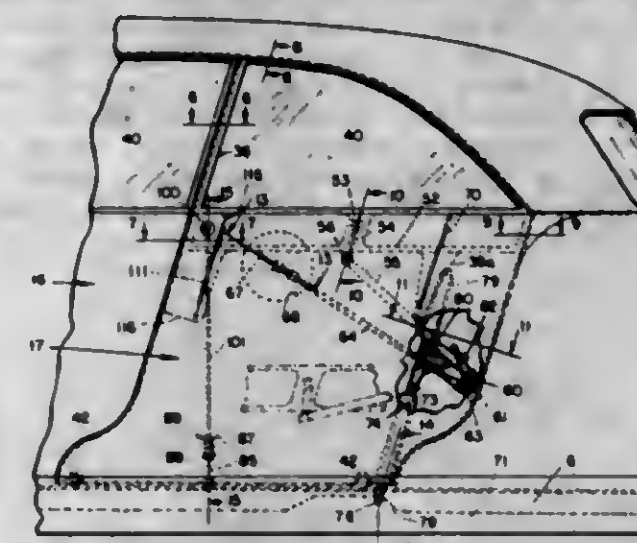
2,628,860

AUTOMOBILE POWER-OPERATED SLIDING DOOR CONSTRUCTION

Howard A. Darrin, Los Angeles, Calif.
Application June 7, 1948, Serial No. 31,441
11 Claims. (Cl. 296-47)

5. In an automobile body having a doorway and a door receiving recess opening into said doorway, track means along the bottom of the doorway, a door, roller means mounting the door for movement along the track means, the door having a window receiving recess opening through its top edge, a window carried by the door for movement in a vertical plane into and out of said latter recess, means for moving the window downwardly in the window receiving recess, comprising a stationary downwardly curved downwardly facing track carried by the body below the doorway, a slide bar slidably mounted in the door below the window, a roller carried

by the lower portion of the slide bar in engagement with the latter track, means operatively

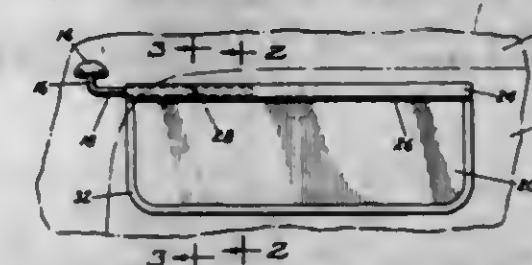


connecting the window to the slide bar, and means for moving the window upwardly in the window receiving recess.

2,628,861

SUN VISOR

James W. Greig, Detroit, Mich., assignor to Woodall Industries Inc., Detroit, Mich., a corporation of Michigan
Application September 29, 1947, Serial No. 776,847
1 Claim. (Cl. 296-97)



In a sun visor, a rod-like support, a visor blade having one margin shaped to provide a laterally offset tubular seat so formed as to conform to the support and received about the support and a split resilient sleeve removably received about said tubular seat portion of the blade and about the support grippingly holding said seat portion of the blade frictionally against the support to maintain the blade at adjusted positions of rotation about the support, the opposite edge portions of the sleeve at the split projecting outwardly in substantially spaced parallelism over opposite sides of the blade away from the support and to a point spaced beyond the line of juncture of the offset seat portion of the blade with the remainder of the blade whereby the margins of the split tube are adapted upon rotation of the blade about the support to form oppositely disposed lines of contact with the blade spaced outwardly beyond the line of juncture of the seat with the blade, said opposed spaced substantially parallel edge portions of the tube being normally spaced apart a distance slightly greater than the thickness of that portion of the blade received therebetween.

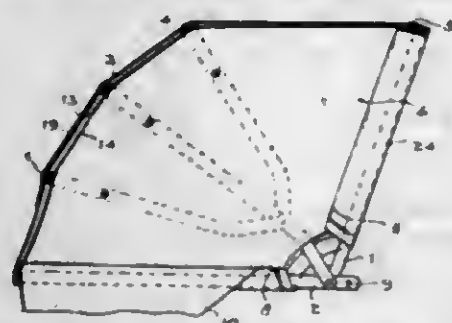
2,628,862

VENTILATED BABY CARRIAGE HOOD

Eugene Harold Packman, Kitchener, Ontario, Canada
Application December 29, 1949, Serial No. 135,569
4 Claims. (Cl. 296-110)

1. In a collapsible baby carriage hood, the combination with a frame comprising a plurality

of pivotally connected U-frame bars adapted to be pivotally supported from a baby carriage, of a fabric covering overlying said frame bars and formed with a ventilating opening therein between a pair of adjacent frame bars, flexible screening closing said opening, a flexible flap secured adjacent one of said pair of frame bars and of a width to extend across the other of said pair of frame bars to close said opening, and elastic means incorporated in the free edge

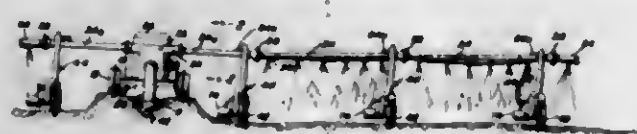


of said flap to lock over said other frame bar and conform the fabric of said flap around said other frame bar to close said ventilating opening against ingress of moisture in any hood position and readily releasable from said other frame bar to uncover said ventilating opening to provide ventilation within said hood for any hood position, said flexible screening and flap permitting collapse of said hood without obstruction thereto.

2,628,863

IRRIGATION MACHINE

Joel F. Maggart, Elmwood, Tenn.
Application October 2, 1950, Serial No. 187,867
7 Claims. (Cl. 299-52)



1. An irrigation machine comprising a wheeled frame, a pump mounted on the frame and having an outlet and a depending inlet adapted to pass through a water-filled ditch, a plurality of delivery tubes, one of said tubes being attached to the outlet of said pump, flexible couplings joining adjacent tubes, a wheeled support for each tube, said supports each including a drive wheel, a source of electric current on said frame, an electric motor mounted on each support and connected to said drive wheels for driving the latter, a switch for each motor, and means, carried by each tube for actuating the switch associated with an adjacent tube in response to a movement of one tube forwardly relative to an adjacent tube.

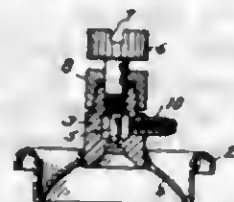
2,628,864

AEROSOL PAINT SPRAYING DEVICE

Edmund Rogers, South Euclid, Ohio, assignor to The Renor Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 7, 1949, Serial No. 125,917
3 Claims. (Cl. 299-95)

1. A paint spraying device adapted for attachment to a hand portable container arranged to be inverted to place the valve at the lower portion thereof during spraying, the contents of the container including a mixture of paint and a gas-forming liquid, the device comprising a valve having an axial passage communicating with the interior of the container, a needle valve element

extending through and closing said passage, an enlargement of the passage around the needle valve element, a nozzle member rigid with the valve body and having a cylindrical bore communicating with the enlargement of the passage and having a spray tip portion, the inner surface of which is conical tapering toward a central spray orifice smaller than the bore, a helical wire



element closely fitted into said bore comprising a plurality of mutually supporting twisted wires and so cut at the outer end as to rest against the base of the conical surface and leave a space between the end of the wire and the spray orifice whereby fluid paint passing through the nozzle is caused to whirl along the wire and to increase the whirling beyond the end of the same against the conical surface.

2,628,865

FLEXIBLE SPRINKLER UNIT

Thomas P. Duncan, Jr., Newport News, Va.
Application December 20, 1949, Serial No. 134,102
1 Claim. (Cl. 299-106)



In a flexible sprinkler unit, a length of hose, a plurality of metal bushings secured in equidistantly spaced relation in and along the hose wall, said bushings having screw threaded axial bores extending through the same and the outer ends of the bores outwardly flared to form annular valve seats, a stem in screw threaded engagement with the bore of each of said bushings and having channels extending longitudinally thereof in equidistantly spaced relation about the same, and substantially conical heads on the outer ends of said stems normally engaged with said seats to close off flow outwardly through the bushings, the edges of the outer ends of said heads being knurled to facilitate manipulation of the same and the stems to open and close the said bores.

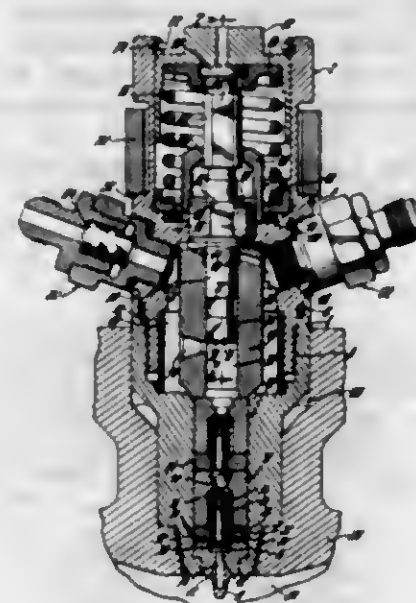
2,628,866

FUEL INJECTION PUMP

William J. Purchas, Jr., and Clyde W. Truxell, Jr., Grand Rapids, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 25, 1950, Serial No. 157,922
1 Claim. (Cl. 299-107.2)

In a fuel injection pump, a casing comprising upper and lower hollow members having their adjacent ends in telescoping interthreaded engagement, said upper member having an internal flange forming a lower fuel receiving chamber and an upper spring chamber, said flange having an opening connecting said chambers, said opening having a flat side, a cylindrical bushing disposed longitudinally within said casing having a reduced diameter upper portion with a flat side fitting said opening and a lower portion of larger diameter in abutment with the underside of said flange, a plunger slidably fitting the bore of

said bushing and extending from the upper end thereof into said spring chamber, a spring retainer secured to the upper end of said plunger, a helical spring compressed between said retainer and said flange, a follower of inverted cup shape enclosing the retainer and guided for reciprocation therewith by the side walls of said spring chamber, said plunger having an elongated flat sided portion embraced by said spring, an inverted cup-shaped sleeve having a flat sided aperture in its end wall slidably fitting said plunger portion, a control arm secured to said sleeve and passing through the side wall of said upper member, said upper member being provided with an elongated slot accommodating rotation of said arm to effect angular adjustment of said plunger about the axis of said bushing, said bushing lower portion forming a fuel pumping chamber below said plunger and provided with a plunger controlled port in the bushing wall through which fuel may enter said pumping chamber from said fuel receiving chamber when the plunger is retracted by said spring, said upper member having fuel inlet and outlet connections communicating with said fuel receiving chamber, said lower member having an internal shoulder defining the lower limit of said fuel receiving chamber and a passage extending therefrom through the lower end of said lower member, said central passage having an internal shoulder adjacent its lower end, a fuel nozzle fitting the lower end of said



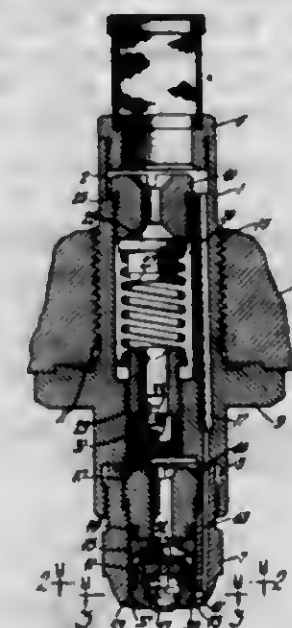
passage and retained by said shoulder, said nozzle having a longitudinal fuel duct of restricted capacity terminating at its upper end in an enlargement, a check valve assembly in said passage comprising a downwardly opening check valve having a head loosely received in said enlargement with a stem extending upwardly in said passage, a valve seat resting on said nozzle and having a longitudinal duct embracing the valve stem with only sufficient clearance to accommodate required fuel flow during pump operation, a spacer resting on said seat and having a downwardly open recess in its lower end forming an enclosure for said valve stem, resilient valve closing means substantially filling the space between said stem and the interior surfaces of said recess, said spacer having a longitudinal fuel duct communicating with said recess and terminating at its upper end in an enlargement, a second check valve assembly in said passage identical to said first named assembly having its valve head loosely received in said spacer enlargement and its valve seat resting on said spacer, a second spacer in said passage identical to said first named spacer and resting on the valve seat of said second check valve assembly,

said valve seats and spacers having a close fit throughout their length with the walls of said passage and being clamped in stacked end-to-end abutting relation between said nozzle and said bushing by the interthreaded engagement of said upper and lower members.

2,628,867

DUPLIX NOZZLE

William J. Purchas, Jr., Grand Rapids, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 7, 1948, Serial No. 926
4 Claims. (Cl. 299-118)



1. A fuel supply nozzle comprising a body, a fuel inlet filter removably secured to one end of said body, a cap removably secured to the other end of said body, small and large area fuel supply passages in said body extending between said filter and said cap, said large area passage having a valve seat removably secured therein adjacent said filter, an axially adjustable hollow abutment therein adjacent said cap, a valve head and a spring between said head and said abutment for holding said head on said valve seat, said cap having separate large and small area fuel supply passages each in communication with a similar area body passage, a hollow cylindrical spray tip unit having a plugged inner end and an axial discharge orifice in the other end projecting outwardly from said cap, said spray tip unit having a group of inlet orifices extending tangentially through the cylindrical wall of said unit immediately adjacent said discharge orifice and communicating with a small area body passage through the small area cap passage and a second group of inlet orifices extending through the cylindrical wall of said unit in a similar tangential relation and axially spaced from said other group of inlet orifices, said second group of inlet orifices communicating with the large area cap and body passages.

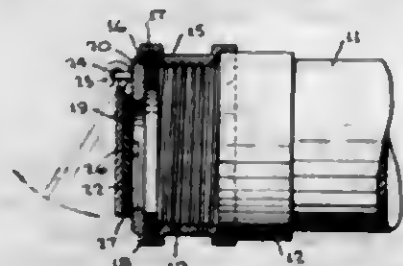
2,628,868

GARDEN HOSE NOZZLE DEVICE

Lawrence C. Mitcham, Savannah, Ga.
Application April 10, 1951, Serial No. 220,204
2 Claims. (Cl. 299-123)

1. A garden hose spray device comprising an internally threaded cap member engageable with an externally threaded hose fitting, said cap member being formed with an aperture in its end wall, a C-shaped peripheral rib on said end wall around said aperture, and a cover hinged

to an intermediate portion of said rib and arranged to make sealing contact therewith, the open portion of the rib being located opposite the hinge connection of the cover and defining



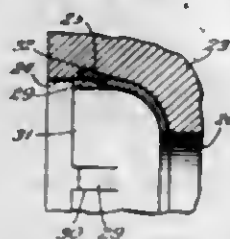
a laterally opening slot when the cover is in sealing position, said cover being free to swing open under water pressure to allow free flow through the aperture and providing a laterally directed water spray when held closed.

2,628,869

ROLLER-SKATE WHEEL

Henry F. Whitcomb, Jr., Milwaukee, Wis.; Margaret Whitcomb, executrix of said Henry F. Whitcomb, Jr., deceased, assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application January 20, 1950, Serial No. 139,650
2 Claims. (Cl. 301-5.7)



1. A wheel comprising a non-metallic body of material suitable for work-cutting, said body having a cup-shaped recess disposed coaxially of said wheel, the wall of said recess intermediate its ends having formed therein an annular V-shaped groove the bottom of which is of greater diameter than said recess to provide an axially outer face sloping axially outwardly from the bottom of said groove to the wall of said recess, said face having a groove formed therein, and a metallic bearing cup seated in said recess with its outer end positioned axially outwardly of said face, a pair of spaced slits extending axially inwardly from the rim of said cup, the metal between said slits being bent radially outwardly of said cup to form a tongue positioned in said second groove, the outer end of said tongue being tightly seated within said second groove to prevent relative rotational movement between said cup and said body.

2,628,870

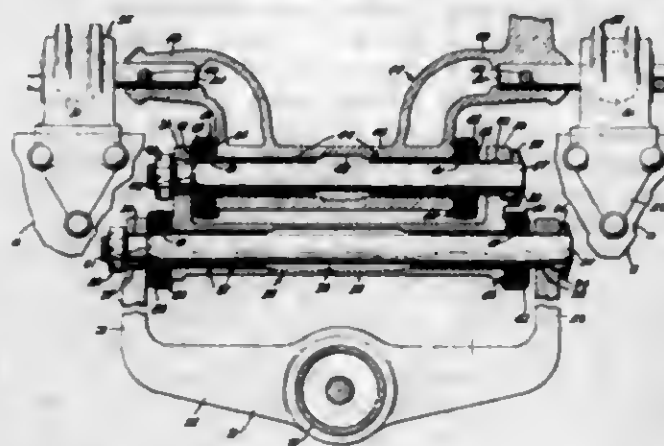
THRUST BEARING

Albert F. Hickman, Eden, N. Y., assignor to Hickman Industries Inc., Eden, N. Y., a corporation of New York

Original application May 23, 1946, Serial No. 671,869, now Patent No. 2,542,026, dated February 20, 1951. Divided and this application February 19, 1951, Serial No. 211,603.
1 Claim. (Cl. 308-163)

In a vehicle spring suspension for connecting the frame and wheeled axle of a vehicle, a thrust bearing for a pin journaled in one part with its opposite ends projecting therefrom and said opposite ends being secured to another part, comprising an annular thrust bearing disk surround-

ing each projecting end of said pin and interposed between said parts and having bearing engagement with a thrust bearing face on said another part, an apertured rubber disk surrounding each end of said pin and compressed between



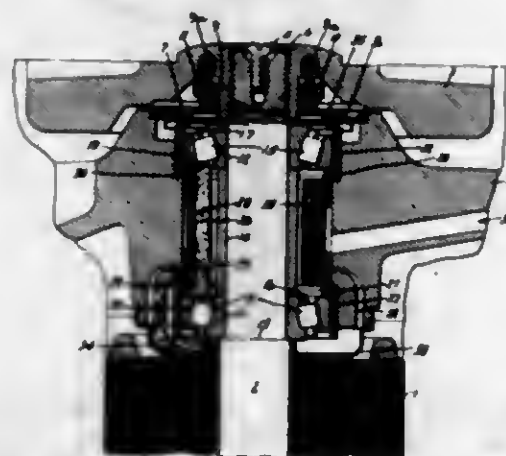
said annular thrust disk and said one part and an annular peripheral flange integral with said rubber disk and extending axially to embrace and provide a dirt seal for said thrust bearing disk.

2,628,871

TANDEM BEARING ASSEMBLY AND LUBRICATION THEREOF

James H. Powers, Westport, Conn., assignor to General Electric Company, a corporation of New York

Application April 1, 1949, Serial No. 84,954
1 Claim. (Cl. 308-184)



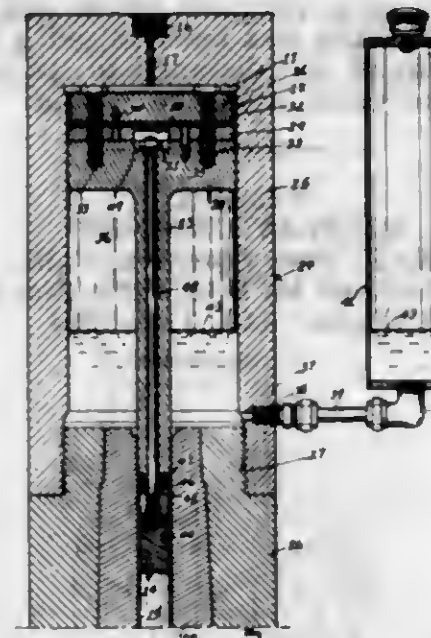
A bearing assembly for a rotatable shaft comprising a supporting member with a bore having a substantially vertical axis provided therein for receiving said shaft, bearing receiving wells in said supporting member at the upper and lower ends respectively of said bore, a resilient member lining each of said wells, a pair of separate tapered antifriction bearings having respective outer races positioned in each of said wells, bearing cones fixed at spaced points on said shafts in alignment with said races, a tubular spacer sleeve on said shaft between said bearing cones, antifriction means positioned between each race and its corresponding cone, a spool in said supporting member bore loosely encircling said shaft and spacer member between said bearings, said spool including lubricant absorbing material and a wick for conducting lubricant to said bearings, and lubricant deflecting and retaining means above said upper bearing, said means including a portion of the resilient member for said upper well.

2,628,872

FLUID PRESSURE INTENSIFIER

Thomas G. Moore, Takoma Park, Md., assignor to American Instrument Company, Inc., Silver Spring, Md.

Application February 5, 1948, Serial No. 6,539
5 Claims. (Cl. 309-8)



1. In a fluid pressure intensifier of the piston type having a high pressure cylinder and an oil reservoir located above the cylinder, a piston slidably and sealingly engaging in said cylinder, a piston rod slidably engaging in said cylinder, said piston being formed with an axial bore facing the end of said piston rod, a tie rod rigidly secured axially to said piston and extending slidably axially through said piston rod, means on the end of the tie rod opposite the piston engageable with the end of the piston rod and arranged to allow limited axial movement of the tie rod with respect to said piston rod, abutment means movable with the end of said piston rod slidably into said axial bore and being greater in length than the depth of said bore, and deformable packing surrounding said abutment means and arranged to sealingly engage the cylinder wall adjacent said piston and to seal the piston relative to said piston rod on the compression stroke of the piston and to release the packing at other times to allow oil to flow from the reservoir to the cylinder wall adjacent the piston.

2,628,873

SHEET METAL TABLE TRAY CONSTRUCTION

Frank Bennett, Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania

Application May 8, 1950, Serial No. 160,682
2 Claims. (Cl. 311-1)



1. A sheet metal receptacle comprising a substantially rectangular bottom wall and upturned flanges at the edges of said bottom wall forming the side walls of said receptacle, the said bottom wall having a diagonal corner intermediate the proximate ends of adjoining side walls, and an

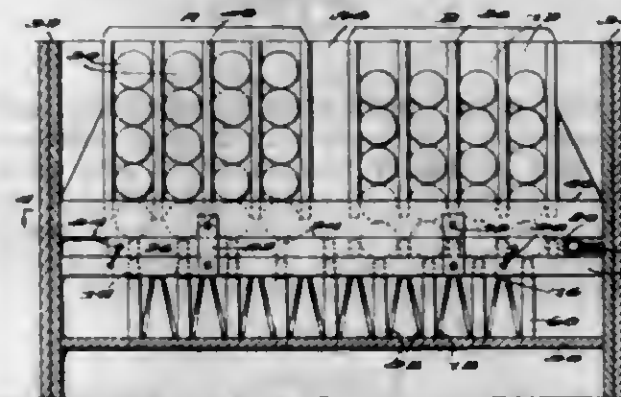
upturned flange at the diagonal corner edge between the said proximate ends of the adjoining side walls, said corner flange having transversely extended side portions turned respectively into the planes of and overlapping the inner sides of the said side walls and secured to the confronting faces of the latter to form a closed receptacle corner, and an intermediate portion of the free edge of each of the side wall flanges being extended and the said extended portions being turned back against the outer surfaces of the respective side walls to form a multiple thickness of metal at the upper edges of the walls, said multiple thickness terminating short of the said corners so as to provide at the outer sides of the latter inset sockets for reception of supporting leg elements.

2,628,874

BOTTLE DISPENSING CABINET

Marcel L. Everhart, Washington, D. C.

Application March 25, 1948, Serial No. 16,982
11 Claims. (Cl. 312-47)



2. In a dispensing cabinet designed to deliver a plurality of uniform articles at a single operation, a plurality of vertical open ended article receiving compartments designed to hold articles therein in stacked position, a fixed stop member spaced below the open end of each of said compartments a distance not substantially more than the diameter of the articles to be delivered, said members between each two thereof forming an open article delivery passage, a discharge carriage mounted for reciprocation between said stop members and the open end of said compartments, transverse article transfer elements on said carriage forming between each two thereof an open article receiving pocket having a width not substantially more than the diameter of an article to be delivered, the upper surface of said elements being cam-shaped whereby the weight of articles thereon tends to move said carriage transversely, and means for reciprocating said carriage whereby said elements may be aligned with said stop members for the simultaneous discharge of a plurality of articles through said delivery passages.

2,628,875

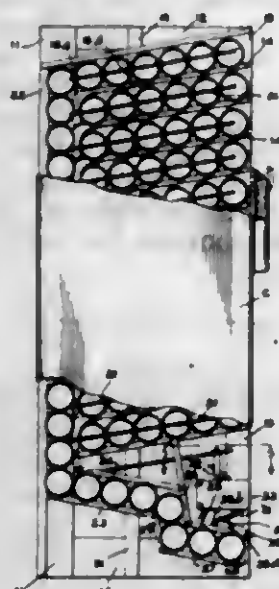
VENDING OR DISPENSING MACHINE FOR CYLINDRICAL CONTAINERS

Fred A. Ossanna, Jr., Austin, Tex.

Application September 14, 1949, Serial No. 115,756
4 Claims. (Cl. 312-48)

1. In a vending or dispensing machine for cylindrical containers, a storage rack having a plurality of declined ramps adapted to deliver to a common delivery channel, each of said ramps being defined by a supporting bottom structure upon which cylindrical containers may freely roll and a bottom structure extension swingably secured to said bottom structure and normally ex-

tending to said delivery channel, abutment means for retaining said extension in container-supporting position when the weight of containers is imposed thereon, yieldable mechanism for swinging said extension upwardly when the weight of no containers is imposed thereon and a gate for closing off discharge of containers on the ramp



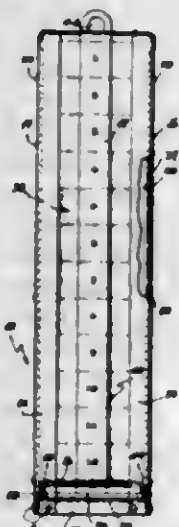
below, said gate comprising a depending structure secured to the outer end of said bottom extension and normally positioned at one edge of said delivery channel, the gates of alternate ramps being staggered in vertical relation to permit free and independent swinging of the gate and bottom structure extensions throughout the rack.

2,628,876

FOOD PACKAGE HOLDER AND DISPENSER

Gerald Simonian and Richard H. Linkert,
Fresno, Calif.

Application December 9, 1949, Serial No. 132,132
1 Claim. (Cl. 312-71)



Food package holding and dispensing apparatus comprising a casing open at the upper end and at the front side thereof and adapted to accommodate therein a stack of packages, a member normally supported by the bottom of said casing and having a platform surface in spaced relation to said casing bottom adapted to support said package stack, a lifting member for said package supporting member comprising a handle portion extending above the upper end of said casing, one way stop means comprising complementary means carried by said casing and said package supporting member adapted upon the raising of said member a predetermined distance by said lifting member to retain said member against downward movement from the position to which it is raised, and a plurality of spaced

pairs of package retaining flange members at the front side of said casing adapted when said package supporting member is in a position of engagement with said casing to prevent the removal of packages through the front side of said casing, with adjacent flange pairs being spaced apart a sufficient distance to enable the removal therebetween of a package when said package supporting member has been raised a predetermined portion of the distance to its next position of engagement with the casing.

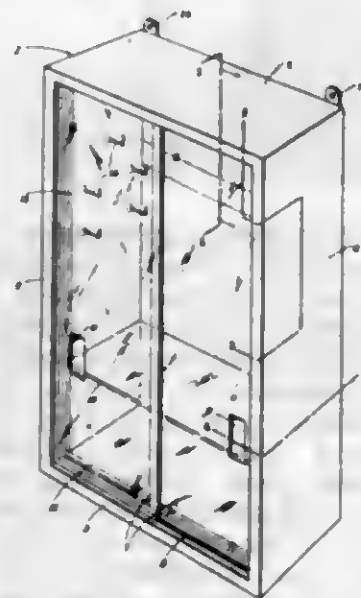
2,628,877

DISPLAY CABINET

Sally E. Woo, Stockton, Calif.

Application July 10, 1948, Serial No. 38,120

1 Claim. (Cl. 312-128)



A cabinet comprising a top, a bottom, side walls, and a back panel of larger area than but symmetrical to the opening defined by said top, bottom, and side walls, the top, bottom and side walls being provided with a substantially right angle recess extending about said opening from the back of the cabinet to receive the back panel within the confines of the recess from the back of the cabinet, a sheet of relatively thick cushion material disposed over the front face of the back panel, a sheet of velvet facing material disposed over the front face of the cushion material, the peripheral dimensions of the cushion material and facing material being greater than the peripheral dimensions of the back panel, the cushion material and the facing material beyond the edges of the back panel being compressed and squeezed between the outer edges of the back panel and the recessed portions of the top, bottom and sides whereby the cushion material is drawn taut over the back panel and the facing material is drawn taut over the cushion material.

2,628,878

SALES BOOK HOLDER

Bruce K. Slonneger, Dayton, Ohio, assignor to
The National Cash Register Company, Dayton,
Ohio, a corporation of Maryland

Application November 3, 1949, Serial No. 125,193

3 Claims. (Cl. 312-201)

1. In a portable file of the class described including a plurality of individually selectable com-

partments slidable relatively to each other, the combination of a main supporting member comprising a flat plate located intermediate the plurality of compartments; guideways formed on the sides of said main supporting member, said main supporting member forming the bottom of one compartment; flanges formed on each of two other compartments slidably engaging the guideways on said main supporting member; an upstanding flange formed on said main supporting



member to provide a closure for one end of the said one compartment, said flange engaging one end of one of said compartments when the said one compartment is in closed position; and an upstanding flange on another one of said two compartments to provide closure for one end thereof, said last-named upstanding flange engaging the first-named upstanding flange when the compartment on which it is formed is in closed position.

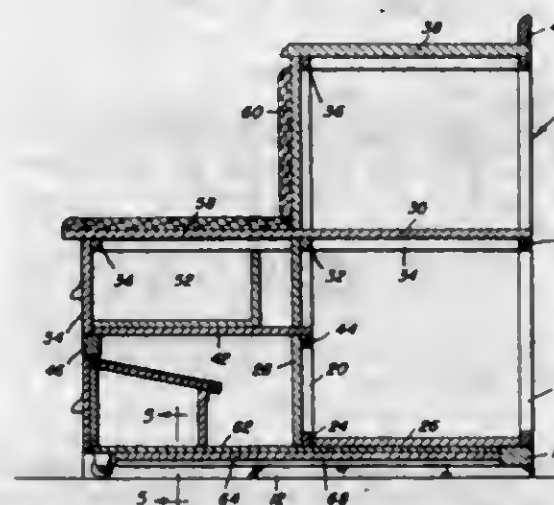
2,628,879

NIGHT STAND

Max M. Schultz, Detroit, Mich.

Application August 10, 1949, Serial No. 109,566

3 Claims. (Cl. 312-235)



3. A night table of stepped construction comprising a base, rear uprights mounted on an end of said base and extending vertically therefrom, center uprights mounted on and extending ver-

tically from said base, a top shelf supported at its ends on said uprights, a center shelf supported at one end on said rear uprights and at its central portion on said center uprights, said center shelf substantially overlying said base, a panel secured to said center uprights between said top shelf and said center shelf, front uprights mounted on the end of said base remote from said rear uprights and supporting the other end of said center shelf, said panel being a seat back and the portion of said center shelf extending between said center uprights and said front uprights being a seat, a box slidably mounted on said base and defining a foot rest for the seat.

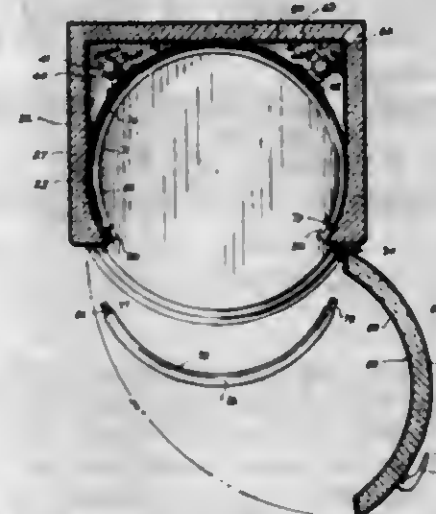
2,628,880

REVOLVING SHELVING FOR REFRIGERATORS AND THE LIKE

William Karl Kader, Chicago, Ill.

Application July 13, 1946, Serial No. 683,506

1 Claim. (Cl. 312-307)



In a refrigerator cooling chamber having a cylindrical wall provided with an opening, the combination comprising, an arcuate tray-carrying track section transversely angular in shape and including a horizontally inwardly projecting flange and a vertically extending back wall fixed to the cylindrical wall, said track section terminating adjacent each side of said opening in said cylindrical wall and provided with a transverse slot and a seat at each end thereof, said flange having formed thereon a concentric groove located outwardly of the inner peripheral edge of said flange, a detachable arcuate track section comprising portions adapted to rest upon said seats and offset projecting tongue portions for underlapped engagement with the flange of said first section, said detachable section having formed thereon on its upper face a concentric groove normally forming a continuation of the groove of said first section, and whereby the end portions of said detachable section normally rest in said seats with the terminal edges thereof abutting the ends of the horizontal flange of said first section and having its upper face in the plane of the upper face of said flange to afford a practically unbroken bearing surface whereby the grooves in both sections will be continuous to define a complete circle, and a circular tray carried by said track for rotative movement and having an annular projection adjacent its outer peripheral edge, said projection matching and corresponding to said first mentioned grooves in said track sections.

2,628,881

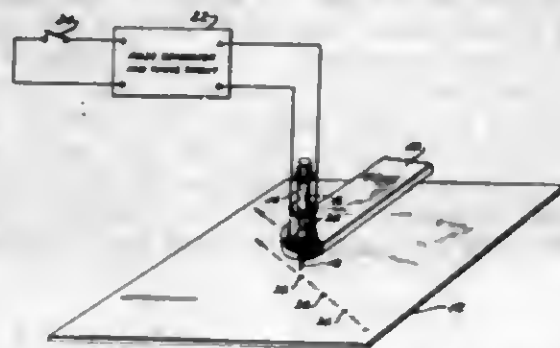
RECORDING METHOD

Edgar W. Adams, Jr., Garden City, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application July 5, 1944, Serial No. 543,586

1 Claim. (Cl. 348—1)

The method of making temporary indications of instant positions of a movable index comprising the steps of: predetermining the size of and forming drops of volatile transparent fluid, depositing a drop on an indicating surface at each instant position of the index after selecting each instant position, exposing the drops of fluid to free atmospheric air for normal evaporation so that the desired duration of existence of the drops

is obtained by selection of the size of drops, and



focusing illumination in the drops on said surface by illuminating said surface.

CHEMICAL

2,628,882

LEUCO ESTER PRINTING COMPOSITIONS AND SOLUBILIZERS THEREFOR

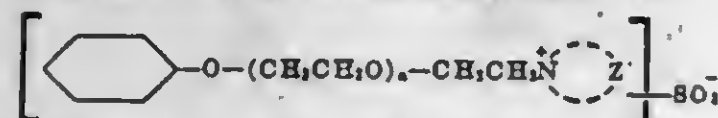
David I. Randall and Nicholas W. Solonen, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 23, 1950,

Serial No. 191,718

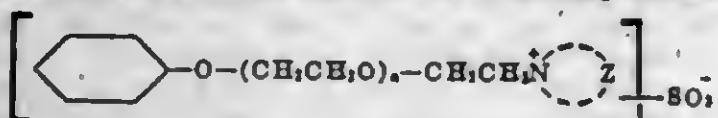
8 Claims. (Cl. 8—70)

1. Compounds of the following formula



in which n is a number ranging from zero to 4, Z represents the atoms necessary to complete a radical selected from the class consisting of pyridine, C-lower alkyl pyridine and quinoline, and the group SO_3^- is positioned on a carbon atom in a radical selected from the class consisting of the phenyl and the heterocyclic radical.

4. A dyestuff composition for printing textile fibers comprising an ester salt of a leuco vat dyestuff and a compound of the following formula



in which n is a number ranging from zero to 4, Z represents the atoms necessary to complete a radical selected from the class consisting of pyridine, C-lower alkyl pyridine and quinoline, and the group SO_3^- is positioned on a carbon atom in a radical selected from the class consisting of the phenyl and the heterocyclic radical.

2,628,883

CONTINUOUS CHROME MORDANTING AND DYEING OF WOOL

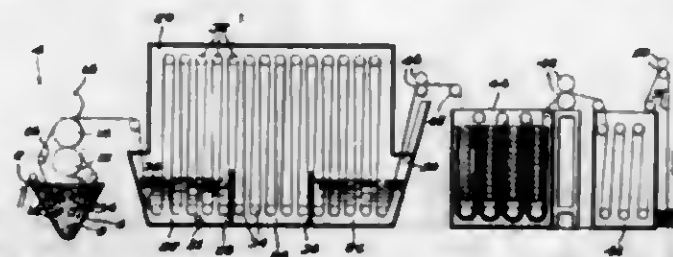
John N. Dalton, Providence, R. I., and John P. Ploubides, Lawrence, Mass., assignors to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts

Application November 23, 1949, Serial No. 129,146

2 Claims. (Cl. 8—99)

1. The method of mordanting wool cloth to prepare it for dyeing with a mordant dyestuff which consists essentially in continuously immersing the undyed and unmordanted cloth in, and squeezing it to completely saturate it with, a hot aqueous solution consisting essentially of about 0.5% of the weight of the solution of an alkylaryl polyether alcohol and 0.25% to 1.0% of

the weight of the solution of a water-soluble chromium compound selected from the class consisting of sodium bichromate and potassium bichromate, continuously reducing the chromium compound to a trivalent chromium compound by passing the wet impregnated cloth into a hot acid bath consisting essentially of between 0.5% and 6.0% of the weight of the bath



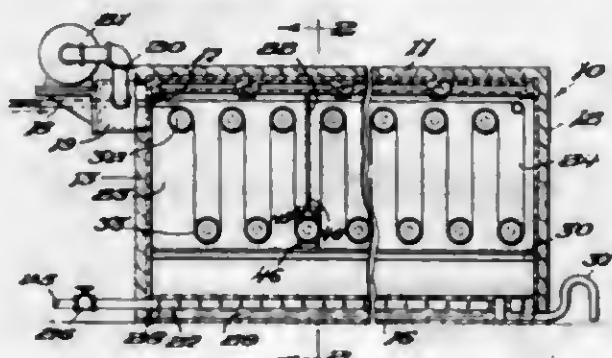
of hydroxyacetic acid, thereafter continuously and repeatedly exposing the traveling cloth to steam at atmospheric pressure and immersing it in said acid bath, exposing the traveling cloth to steam at atmospheric pressure, continuously passing the cloth through an alkaline neutralizing bath to raise its pH to about 5.5 to 6.0, and thereafter dyeing the wool with a mordant dyestuff.

2,628,884

DYE AGING PROCESS

Raymond W. Jacoby, Mountain Lakes, N. J.
Application November 16, 1949, Serial No. 127,644

1 Claim. (Cl. 8—149.3)



The process of ageing or reducing printed or dyed fabric arranged in back and forth parallel courses in one major zone wherein the heating of the steam therein is reduced which comprises dividing the major zone into a smaller initial reacting sub-zone and a larger sub-zone, passing the fabric initially into the smaller sub-zone and thence to the larger sub-zone and conducting all of the steam from the larger sub-zone to the

2,628,887

STERILIZING METHODS

John J. Perkins, Erie, Pa., assignor to American Sterilizer Company, Erie, Pa., a corporation of Pennsylvania

No Drawing. Application April 6, 1951,

Serial No. 219,762

5 Claims. (Cl. 21—57)

1. The method of sterilizing and lubricating surgical instruments and the like which comprises precoating the instruments with a wet film of non-toxic, non-corrosive homogeneous oil-type lubricant and water mixture and then subjecting the precoated instruments with the wet film thereon to a steam pressure atmosphere to convert the water phase of the mixture to steam and leave the instruments coated with a film of lubricant.

2,628,885

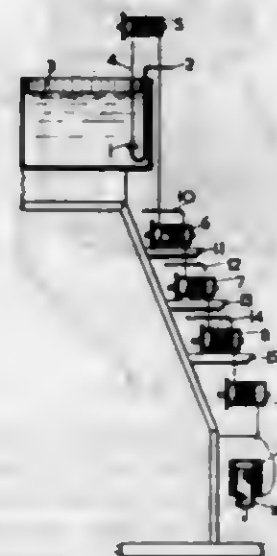
MANUFACTURE AND PRODUCTION OF ARTIFICIAL THREADS FROM VISCOSE

John Wharton, Coventry, England, assignor to Courtaulds Limited, London, England, a British company

Application January 21, 1949, Serial No. 72,031

In Great Britain February 9, 1948

1 Claim. (Cl. 18—54)



A process for the production of artificial threads from viscose including the step of subjecting the thread after it leaves the coagulating bath to the action of an aqueous solution containing 2% of sulphuric acid, 4.2% of sodium sulphate, 0.5% of zinc sulphate and 5 grams per litre of solution of mineral oil in which is dissolved 5% of a lauryl polyglycol ether made by condensing 1 part of lauryl alcohol with 0.7 part of ethylene oxide, whereby the formation of harmful deposits on the parts of the apparatus with which the thread comes into contact after leaving the coagulating bath is prevented.

2,628,886

PRODUCTION OF ARTIFICIAL FIBERS OF POLYMERIC MATERIALS

Clement Henry Bamford and William Edward Hanby, Maidenhead, and Frank Happey, Bingley, England, assignors to Courtaulds Limited, London, England, a British company

No Drawing. Application April 12, 1951, Serial No. 220,732. In Great Britain May 12, 1950

7 Claims. (Cl. 18—54)

1. A process for the production of fibres from fibre-forming polypeptides obtained by polymerising alpha - anhydrocarboxyamino-carboxylic acids comprising extruding through a jet into a setting medium a solution of the polypeptide in a solvent giving an a configuration and then treating the resultant thread for a period of time not exceeding about 3 minutes in a bath comprising at least one acid chosen from the group consisting of aliphatic monocarboxylic acids containing from one to six carbon atoms per molecule and such acids containing on the a carbon atom a radical chosen from the group consisting of bromide, phenyl and mercaptan groups, so that at least part of the fibres is converted into the β configuration.

2,628,888

CHEMICAL PROCESS FOR THE PRODUCTION OF AN ACID SALT OF HYDROXYLAMINE

Richard Edward Benson, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 8, 1950,

Serial No. 194,735

3 Claims. (Cl. 23—101)

1. A process for the catalytic hydrogenation of nitric oxide to produce an acid salt of hydroxylamine which comprises catalytically hydrogenating nitric oxide with elemental hydrogen in a medium consisting essentially of water, a palladium catalyst and a strong mineral acid, said medium having a pH of less than 2 and being maintained at a temperature between the freezing point of the reaction mixture and 80° C., the molar ratio of the nitric oxide to the elemental hydrogen present being less than 1.

2,628,889

PREPARATION OF HYDROXYLAMINE

Richard Edward Benson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 27, 1949,

Serial No. 112,841

5 Claims. (Cl. 23—190)

1. A process for the catalytic hydrogenation of nitric oxide to produce an acid solution of hydroxylamine which comprises catalytically hydrogenating nitric oxide with elemental hydrogen in a medium consisting essentially of water, a platinum catalyst and a strong mineral acid, said medium having a pH of less than 2.5 and being maintained at a temperature between the freezing point of the reaction mixture and 40° C., the molar ratio of the nitric oxide to the elemental hydrogen present being less than 1.

2,628,890

PROCESS FOR THE DECOMPOSITION OF HYDROCARBONS

James H. Shapleigh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 20, 1946,

Serial No. 678,168

4 Claims. (Cl. 23—212)

1. A one step process for catalytic cracking of sulfur polluted fluid hydrocarbons to produce high weight yields of hydrogen and carbon oxides which comprises passing a mixture of steam and a fluid hydrocarbon containing at least 1 gr. of sulfur per 100 cu. ft. of hydrocarbon in gaseous

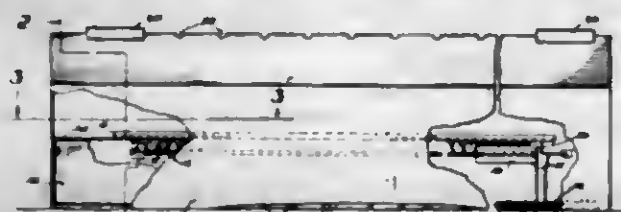
phase over a heated catalytic body containing at least 10% nickel, at least part of the catalytic body being maintained at a temperature of at least 900° C.

2,628,891

APPARATUS FOR PRODUCING IMPINGEMENT CARBON BLACK

Homer H. Hahn and William F. Hendricks, Pampa, Tex., assignors to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts

Application September 14, 1949, Serial No. 115,626
2 Claims. (Cl. 23-259.5)

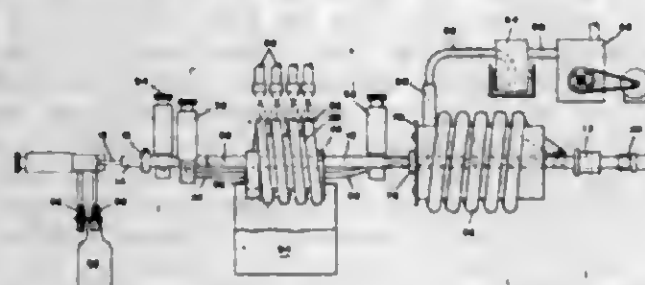


1. In a hot house for producing carbon black having side walls with air inlets at their lower edges, a series of horizontally disposed spaced burners maintaining a zone of flames spaced from the side walls and disposed a substantial height above the air inlets, and spaced overlying burner channels forming a table; that improvement which comprises imperforate deflecting sheets fast at their lower edges to the side walls of the hot house above the air inlets, extending inwardly and upwardly in convergent relation toward said flame zone and into proximity to the longitudinal edges of the burner table thereby deflecting substantially all the air passing through the inlets inwardly from the side walls and directing it upwardly in a single convergent stream toward and through said zone.

2,628,892

APPARATUS FOR FRACTIONAL SUBLIMATION

Allen Francis Reid, Dallas, Tex., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 19, 1950, Serial No. 139,417
5 Claims. (Cl. 23-264)



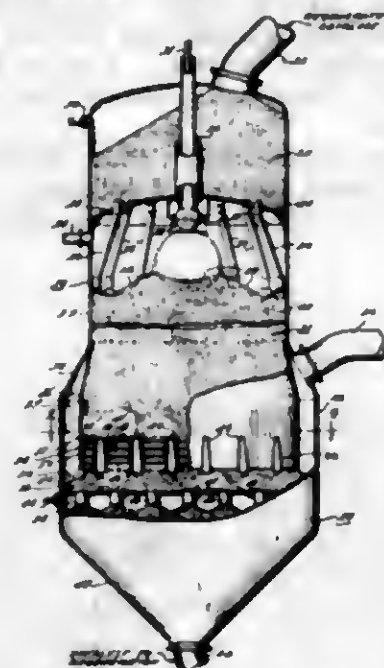
1. In apparatus for separating the components of a difficultly separable, vaporizable mixture, in combination, a tube wound in the form of a helix and rotatable about the axis of said helix, means for introducing said mixture into said tube, means longitudinally disposed to the axis of said helix for establishing in corresponding portions of each operative turn of said tube a zone of relatively low temperature adapted to condense said mixture, separate means longitudinally disposed with respect to the axis of said helix for establishing in each said operative turn of said tube a zone of relatively high temperature adapted to vaporize said mixture, said condensing and vaporizing means being spaced circumferentially about said helix and extending longitudinally thereof, and means for rotating said tube.

2,628,893

DISENGAGEMENT OF GASES FROM A MOVING BED OF FLUENT SOLID PARTICLES

Reyner Kollgaard, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application May 24, 1950, Serial No. 163,870
6 Claims. (Cl. 23-288)



1. Apparatus for contacting gaseous material with fluent solid particles which comprises a contact chamber having an open lower end, means for introducing said solid particles into the upper region of said contact chamber, means for introducing said gaseous material into the upper region of said chamber, means below said open lower end and fixed with respect to said contact chamber for supporting said solid particles as a gravitating compact mass extending upwardly into said contact chamber and terminating in the upper region thereof, and means at the lower end of said contact chamber for disengaging said gaseous material from said solid particles and removing said gaseous material from said apparatus, said last-mentioned means comprising a peripheral manifold chamber surrounding the lower end portion of said contact chamber, a plurality of parallel, inverted, relatively deep channel members extending horizontally across said open lower end and through the opposite walls of said contact chamber, the ends of said deep channel members being in open communication with said peripheral manifold chamber, a plurality of inverted relatively shallow trough members horizontally and transversely spanning the spaces on either side of said deep channel members, said trough members being closed at their ends and arranged substantially wholly within the vertical limits of each space as a plurality of parallel tiers, and means at either end of said trough members for supporting the same from opposite wall surfaces laterally defining said spaces, at least one of the support means for each shallow channel member having a confined passageway providing open communication with one of said deep channel members.

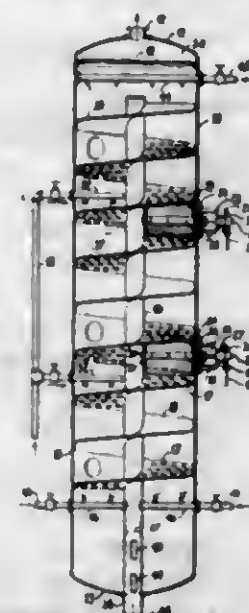
2,628,894

COUNTERCURRENT EXTRACTION METHOD AND APPARATUS

George J. Langmyhr, Sarnia, Ontario, Canada
Application February 28, 1951, Serial No. 213,200
9 Claims. (Cl. 23-310)

7. A fluid contacting tower comprising a closed cylindrical container mounted with the axis thereof vertical, a helicoid mounted therein co-

axial therewith having the outer peripheral edges of the flights thereof contacting the cylindrical walls in fluid-tight manner and the inner edges joined to a central vertical shaft, said flights being perforated in a plurality of vertically disposed zones alternating with zones comprising imperforate flight portions, said perforated flight portions comprising mixing zones and said alternate imperforate flight portions comprising settling zones, the flights of said helicoid terminating a short distance below the upper and above lower portions of said container, to define additional fluid separating zones, means for introducing fluid to be treated into the bottom of said container comprising the lower separating zone,



means for withdrawing said fluid after treatment from the top of said container comprising the upper separating zone, means for introducing fluid treating agent to the top of said helicoid and beneath said upper separating zone, and additional means for introducing fluid treating agent to each of said perforated flight portions comprising said alternate mixing zones, means for withdrawing spent treating agent at different vertical levels in said lower separating zone, and means for proportionating the flow of fluid in a perforated flight portion between the vertical passage of fluid through said perforations and the helical passage of fluid around the flights of said helicoid.

2,628,895

MOTOR FUEL ADDITIVE

William S. Murray, Utica, and John Robert Dyer, Jr., Whitesboro, N. Y., assignors to The Indium Corporation of America, Utica, N. Y.

No Drawing. Application May 29, 1948,
Serial No. 30,213

3 Claims. (Cl. 44-66)

1. A new composition of matter for use in internal combustion engines comprising, a motor fuel containing a small proportion of indium laurate to inhibit carbon deposition in the combustion chamber of said engine.

2,628,896

SILICON NITRIDE ABRASIVES

Hendrik de W. Erasmus, Lewiston, and William D. Forgeng, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application February 23, 1949,
Serial No. 77,993

4 Claims. (Cl. 51-298)

1. An abrasive product comprising a solid base having a surface coating of adhesive material

thereon, and a plurality of finely-divided particles of silicon nitride embedded in said coating and bonded thereby to said base.

2,628,897

SIGNAL FLARE COMPOSITION

John Vinton, San Francisco, Calif.

No Drawing. Application August 30, 1951,
Serial No. 244,479

1 Claim. (Cl. 52-23)

A composition for use as a railroad flare comprising the homogeneous mixture of the following ingredients in substantially the proportions listed:

Parts by weight	
Strontium nitrate	47
Potassium perchlorate	10.5
Sulfur	10
Lead peroxide	1.2
Sodium oxalate	10
Sawdust	1.5

2,628,898

ALLOY ADDITION AGENT

Donald C. Hilly, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application November 3, 1951,
Serial No. 254,796

6 Claims. (Cl. 75-27)

1. An exothermic mixture consisting of silicon, potassium perchlorate, and soda ash, said silicon being present in an amount equal to at least 15% of said mixture, the proportions of silicon and potassium perchlorate in said mixture being such that the atomic ratio of silicon to the oxygen in the potassium perchlorate is at least 0.5, said soda ash being present in an amount equal to at least 2% of the combined weights of silicon and potassium perchlorate the remainder being substantially all iron and incidental impurities.

2,628,899

ALUMINUM-MAGNESIUM CASTING ALLOYS

Charles B. Willmore, Newark, Ohio, assignor to William F. Jobbins, Incorporated, Aurora, Ill., a corporation of Illinois

No Drawing. Application December 12, 1950,
Serial No. 200,495

6 Claims. (Cl. 75-147)

1. An aluminum base alloy consisting essentially of 1 to 9 percent magnesium, less than 0.01 percent by weight boron, 0.0005 to 1.2 percent beryllium, 0.001 to 0.4 percent titanium, 0.05 to 1.0 percent chromium, and the rest being aluminum and impurities in amounts less than about 0.45 percent by weight.

2,628,900

NI-CR-MN ALLOYS

John H. Jackson and Charles T. Greenidge, Columbus, Ohio, assignors, by mesne assignments, to The C. O. Jelliff Mfg. Corporation, Southport, Conn., a corporation

No Drawing. Application November 29, 1949,
Serial No. 130,066

6 Claims. (Cl. 75-171)

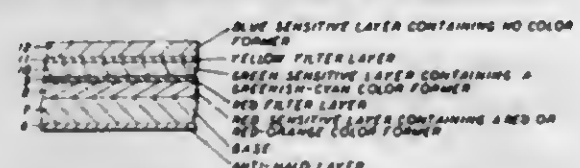
1. An alloy for electrical resistor elements consisting of 50% to 70% Ni, 8% to 28% Cr, and the balance essentially all Mn, said Mn constituting 15% to 36% of the alloy, the resistivity properties of said alloy having been improved by solution treatment at 1500° F. to 2100° F. for

from about 2 seconds to about 100 hours followed by an aging treatment at a temperature of from 600° F. to 1200° F. for a period of from 1/4 to 100 hours.

2,628,901

PROCESS OF PREPARING TRICOLOR SEPARATIONS

Herman H. Duerr, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 30, 1950, Serial No. 203,593
6 Claims. (Cl. 95-2)



1. In the process of preparing tricolor separations from an exposed multilayer color film comprising a support bearing superimposed silver halide emulsion layers and being sensitized respectively to the blue, green, and red regions of the spectrum, the blue sensitive layer being outermost and being devoid of color former, and the green and red sensitive layers each containing a color former fast to diffusion and capable of reacting with the oxidation products of an aromatic primary amino developing agent to yield a dye-stuff image, the improvement which comprises contacting the outermost layer of said film with an auxiliary film comprising an impermeable support bearing a colloidal layer containing a member selected from the group consisting of an alkali sulfide, stannous chloride, colloidal silver, colloidal silver sulfide and colloidal gold sulfide, while forcing the colloidal layer of said auxiliary film firmly against the surface of the blue sensitive layer of the multilayer film in the presence of a developer-fixer solution for a sufficient length of time to cause the developer-fixer solution to develop the negative image in said blue sensitive layer, to dissolve the residual silver halide of said layer and transfer it to the colloidal layer of the auxiliary film and effect reduction of said residual silver halide in said colloidal layer, stripping off and washing the auxiliary film containing the blue record, processing the multilayer film by color forming development with said aromatic primary amino developing agent, bleaching and fixing it to a negative containing the red and green records respectively, and printing said records on to separate sensitized film with sharp cutting filters.

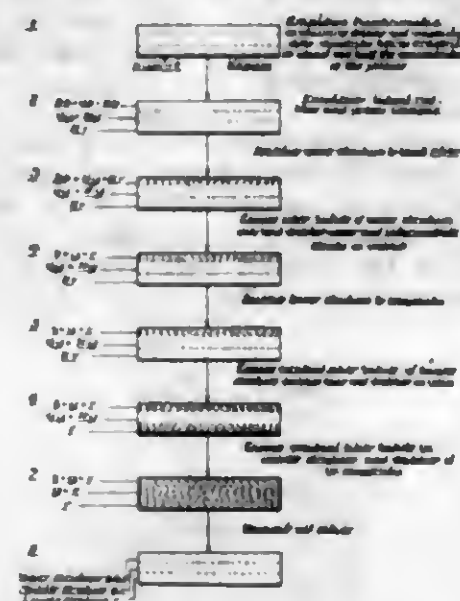
2,628,902

PROCESS OF PRODUCING COLORED PHOTOGRAPHS

Paul Raibourn, Southport, Conn.
Application April 29, 1947, Serial No. 744,771
3 Claims. (Cl. 95-2)

1. A method of producing a photograph in colors of the original scene, comprising the steps of exposing a panchromatically sensitized silver halide emulsion, said emulsion dyed yellow throughout in high concentration and magenta in about one-half the concentration of the yellow, the exposure and dyeing producing an upper stratum containing an image of the blue, green and red aspects of the scene, a middle stratum containing only the green and red aspects of the scene, and a lower stratum containing only the red aspect of the scene, developing the upper stratum to a black silver image reversal exposing

the silver halide of said upper stratum only and, developing it and the latent image in the intermediate stratum in yellow, developing the latent image of the lower stratum to magenta, expos-

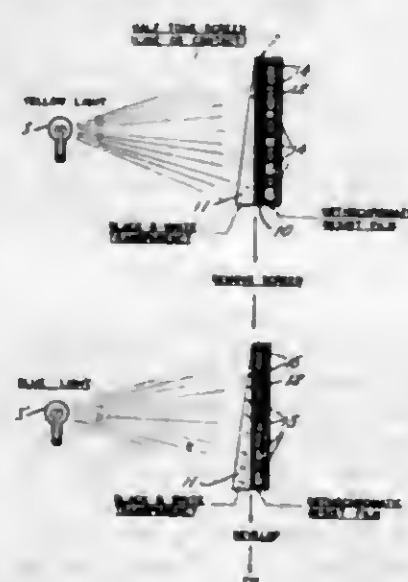


ing the residual silver halide of the lower stratum and developing it in cyan, exposing the residual silver halide in the middle stratum and developing it in magenta, and removing all the silver from the emulsion.

2,628,903

PREPARATION OF PRINTING PLATES AND CYLINDERS WITH CHLORO-BROMIDE RESIST-FORMING FILM

Hermann Kott, Verona, N. J., assignor to Publication Corporation, New York, N. Y., a corporation of New York
Application June 10, 1950, Serial No. 167,476
3 Claims. (Cl. 95-5.7)



1. A method of preparing intaglio type printing plates, cylinders and the like, comprising exposing a high contrast, orthochromatic, silver chloro-bromide resist-forming emulsion to light rays from a predominantly yellow light source through a black and white continuous tone transparency of a subject and a half-tone screen having opaque and transparent areas for a time sufficient to produce a screened image in said emulsion which, when developed, has a high contrast, the exposure being stopped just short of the point where the high-light openings close up, removing the screen, again exposing the emulsion to light rays from a weak predominantly blue light source through said transparency for a sufficient period of time to produce a continuous tone image

in such emulsion, which when developed, has low contrast and is in register with said screened image in such emulsion, said exposure from said weak light source being very short as compared with the yellow light exposure so that its action is on the low end of the density exposure curve of the resist-forming emulsion, the yellow light exposure with said screen and the blue light exposure without said screen being in any order, developing said emulsion with a hardening developer, fixing the emulsion, applying the emulsion to an etchable printing surface and etching said surface through said emulsion with the hardened areas thereof as a resist.

2,628,904

EGG SUBSTITUTE ADMIXTURE AND PROCESS OF PRODUCING THE SAME

Montie M. Healy, Flint, Mich.
No Drawing. Application August 10, 1951,
Serial No. 241,385
7 Claims. (Cl. 99-114)

1. An egg substitute in dry powder form consisting of rice and tapioca starches mixed with powdered skim milk and hen albumen, and a gas-forming agent.

2,628,905

METHOD OF PREVENTING DISCOLORATION OF SLICED ORGANIC MATERIALS

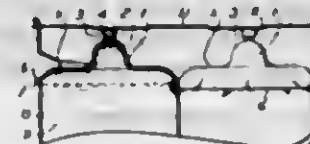
Lloyd L. Antle and Ralph M. Bohn, Atlanta, Ga., assignors to L. L. Antle & Co., Inc., Atlanta, Ga., a corporation of Georgia
No Drawing. Application December 26, 1951,
Serial No. 263,467
14 Claims. (Cl. 99-154)

1. A process for preventing discoloration of peeled sliced vegetable and fruit particles comprising, dipping said particles in a solution of sodium bisulfite buffered with an edible buffer to a pH of 5.2 to 6.5, thereafter draining said particles, then drying said particles for subsequent frying.

2,628,906

NURSING DEVICES

John J. Horan, Willow Grove, Pa.
Application January 21, 1950, Serial No. 139,818
11 Claims. (Cl. 99-171)



4. A sealed nursing container having nipple means therewith, said means being initially non-functionable as a nursing device by reason of an element incorporated therein at the tip thereof forming a closure for said nipple, said element being capable of separation from said nipple.

2,628,907

METHOD OF PACKAGING MATERIAL

Edna D. Darden, Springfield, Tenn.
Application September 7, 1951, Serial No. 245,597
1 Claim. (Cl. 99-171)

In the method of packing food in a carton, wherein the food is hermetically sealed within a liner enclosed in the carton, the improvement which comprises telescoping a flexible, impervious liner of the same shape as but of larger size than the carton over a relatively rigid measuring device

of the same shape as but of slightly smaller size than the carton and provided with a funnel mouth; inserting the measuring device with the liner telescoped thereon into the carton to seat



the liner on the bottom of the carton; filling the measuring device up to a desired height with the food; withdrawing the measuring device from the liner and carton; sealing the free end of the liner; and closing the top of the carton.

2,628,908

LIQUID INFANT FOOD IN MARKETABLE DISPENSERS

John J. Horan, Detroit, Mich.
Application September 5, 1947, Serial No. 772,234
10 Claims. (Cl. 99-171)



1. A dispenser for storing, shipping, and dispensing liquid infant food, said dispenser comprising a body portion, a nipple portion, and a closure portion fully covering said nipple portion, said body portion containing a supply of liquid infant food therein, said closure portion being inseparable from said package without rendering said package and closure useless for hand re-assembly without aids.

2,628,909

PACKAGING FOR LIQUID INFANT FOOD

John J. Horan, Detroit, Mich.
Application September 5, 1947, Serial No. 772,235
19 Claims. (Cl. 99-171)



1. As an accessory for an open mouthed container, said container having an external groove adjacent to its mouth and second groove further removed from said mouth and separated from

said first mentioned groove by a shoulder, said container having a supply of liquid infant food therein and having attached a nipple whose skirt extends over said mouth, said nipple having a peripheral portion secured in said first mentioned groove, a closure having a generally flat and circular central portion and a cupped sidewall, said closure having been placed over said mouth of said container, said nipple being interposed between said closure and said mouth, said cupped sidewall extending axially beyond said peripheral portion and said shoulder to a point opposite said second mentioned groove, said sidewall having been thereupon bent beyond the yield stress of the cap material inwardly into said second mentioned groove, said sidewall thus deformed thereupon bearing upon the underside of said shoulder and holding said cap firmly in place upon said container, the said flat circular portion of said cap squeezing said skirt against said mouth of said container, thereby forming an airtight seal.

2,628,910

METHODS AND DEVICES FOR MERCHANDISING AND DISPENSING LIQUID INFANT FOOD

John J. Horan, Detroit, Mich.
Application September 5, 1947, Serial No. 772,236
17 Claims. (Cl. 99—171)



1. A closing and dispensing device comprising a nipple and an external member, said external member being capable of being crimped at its periphery adjacent the brim of a vessel, the peripheral portion of said nipple being interposed as a gasket, a portion of said external member being subsequently removable to provide feeding access to said nipple.

2,628,911

METHODS AND DEVICES FOR MERCHANDISING AND DIRECTLY DISPENSING LIQUID INFANT FOOD

John J. Horan, Detroit, Mich.
Application September 5, 1947, Serial No. 772,237
19 Claims. (Cl. 99—171)



1. A method of providing complete dispensers for supplying liquid food to infants, comprising the following major steps: forming a body in a soft state from liquid material and permitting said body to solidify; assembling end closures and an outer protective covering to form a partial assembly having a nipple therein, a filling opening being left unsealed; sterilizing liquid infant food, and, if necessary, re-sterilizing the partial assembly; loading said food through said filling opening; sealing said filling opening with hardenable sealant; and sealing said outer protective covering over said filling opening.

2,628,912 DEVICES FOR PACKAGING LIQUID INFANT FOOD

John J. Horan, Detroit, Mich.
Application September 5, 1947, Serial No. 772,238
12 Claims. (Cl. 99—171)



1. A dispenser containing a single feeding amount of liquid infant food, a portion of said dispenser being reinforced by means of a plurality of plies, at least one of said plies having an opening closed by a nipple, the flange of said nipple being secured to said dispenser by gripping between adjacent plies.

2,628,913 LIQUID INFANT FOOD DISPENSERS AND PACKAGING THEREFOR

John J. Horan, Detroit, Mich.
Application September 5, 1947, Serial No. 772,239
11 Claims. (Cl. 99—171)



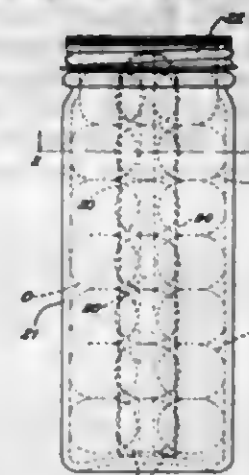
1. The combination of an outer enclosure having an end opening surrounded by an externally grooved flange, a removable closure for said opening, a plurality of independent containers for nursing liquid within said outer enclosure formed of flexible material and each being provided with a nipple having a sucking orifice, the said orifices being stoppered by removable members.

2,628,914 FOOD PACKAGE HAVING INSERTABLE FOOD ARTICLE SUPPORT

Glen W. Stiehm, Milwaukee, Wis., assignor to Jewett & Sherman Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 24, 1951, Serial No. 243,545
7 Claims. (Cl. 99—186)

1. The combination with a cylindrical container, of a food article impaler removably housed entirely within a cylindrical zone therewithin of substantially less diameter than that of the container, said impaler consisting of an elongated thin rectilinear strip member positioned parallel to the axis of the container, and a plurality of similar food articles impaled thereon in stacked relationship throughout its length and axially of the container with said impaled food articles projecting beyond the elongated member into adjacency with the inner wall of the container, the impalement of the food articles together with

their contact with adjacent impaled food articles and their confinement within the container serving



ing to hold the food articles snugly against undesired shifting and displacement.

2,628,915 METHOD OF PREPARING REFRACTORY BONDING MATERIAL

Leslie W. Austin, San Jose, and James C. Hicks, Menlo Park, Calif., assignors to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

No Drawing. Application January 12, 1949, Serial No. 70,594
19 Claims. (Cl. 106—58)

1. A refractory bond-forming material consisting essentially of a calcined mixture of finely divided magnesia and from about 20% to about 80%, based on the total weight of MgO and SiO₂, of finely divided silica having a specific surface of at least 6000 square centimeters per gram, said material having a substantial proportion of the magnesia and silica components present in the form of submicroscopic crystals of forsterite and having a bulk density of from about 45 to about 85 pounds per cubic foot when of a particle size such that substantially all particles are less than 200 mesh.

2,628,916 PROCESS OF PREPARING MOLTEN GELATIN SOLUTION

John Otto Scherer, Detroit, Mich., assignor to E. P. Scherer Corporation, Detroit, Mich., a corporation of Michigan

Original application July 30, 1943, Serial No. 496,817. Divided and this application April 4, 1949, Serial No. 89,738
6 Claims. (Cl. 106—135)



1. In the process of preparing a molten gelatin solution from water-impregnated gelatin, the

steps of hermetically sealing the impregnated gelatin mass from the atmosphere and withdrawing substantially all of the air therefrom, and subsequently heating the gelatin mass sufficiently to melt the same while maintaining it hermetically sealed from the atmosphere.

2,628,917 THERMOPLASTIC RESINS FORMED FROM PINWOOD PITCH

Thomas R. McElhinney and Thomas D. Woodruff, Lockport, La., assignors to Valite Corporation, New Orleans, La., a corporation of Louisiana

No Drawing. Application October 11, 1949, Serial No. 120,815
24 Claims. (Cl. 106—222)

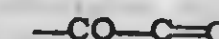
10. The method of producing a permanently thermoplastic resin characterized by a ball and ring softening point between 180° F. and 210° F. and comprising a modification of pinewood pitch which includes reacting a pinewood pitch, comprising the residue low in abietic acid remaining after extraction of refined rosin high in abietic acid from the residue obtained by the extraction of pinewood with a solvent, with from 3% to 15% of its weight of furfural, ½% to 6% of its weight of drying oil, and 6% of its weight of microcrystalline petroleum wax, by heating and agitating in combination in a closed vessel under refluxing conditions at 150° C. for forty-five minutes, followed by distillation to a temperature between 240° C. and 280° C.

2,628,918 SIZING AGENTS

William S. Wilson, Brookline, and Albert H. Bump, Brewster, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 6, 1952, Serial No. 286,261
9 Claims. (Cl. 106—238)

2. A paper sizing adjunct consisting of an aqueous dispersion of the unesterified reaction product of one-quarter to one mol of an organic compound of acidic character containing a



group with one mol of rosin, said dispersion being partly neutralized and containing between 50 and 80% of said reaction product, between 4 and 14% of an alkali metal base and between 6 and 46% of water.

2,628,919 PRODUCTION OF TITANIUM DIOXIDE PIGMENTS

Charles A. Tanner, Jr., Collingswood, and Daniel C. Hall, Rummel, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 22, 1949, Serial No. 134,606
6 Claims. (Cl. 106—300)

1. A method of producing a titanium dioxide pigment of improved electrical resistance and of improved texture, which comprises: wet milling and hydroclassifying an aqueous alkaline slurry of calcined titanium dioxide containing water-soluble salts to form an aqueous suspension of deflocculated titanium dioxide pigment particles, dissolving in said slurry at least sufficient of a water-soluble barium compound to flocculate said particles in said slurry; adjusting the pH of the

flocculated slurry to substantial neutrality; filtering said slurry; washing the filter cake with a water substantially free from polyvalent metal cations until the specific electrical resistance of the titanium dioxide is at least 25,000 ohms; and drying and pulverizing the filter cake.

2,628,920

ACID-RESISTANT ULTRAMARINE PIGMENT AND PROCESS FOR THE PREPARATION THEREOF

Frederick J. Schwahl, Hillside, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application November 21, 1950, Serial No. 196,742

14 Claims. (Cl. 106—305)

1. As a new and useful composition of matter, pigment particles of an ultramarine substantially enveloped in a water-insoluble, substantially alkali-metal free, amorphous composition of dehydrated silicic acids, said particles displaying, when subjected to a beam of X-rays in an X-ray diffraction apparatus, the X-ray diffraction pattern characteristic of ordinary untreated ultramarine and also displaying, when subjected to a beam of electrons in an electron diffraction apparatus, the residue of the electron diffraction pattern of said ordinary ultramarine, said residual pattern having not more than about 25% of the intensity of the electron diffraction pattern displayed by said ordinary ultramarine under the same conditions; said pigment being further characterized in that when one part thereof is heated in 100 parts of a 10% solution of $\text{Al}_2\text{SO}_4 \cdot 18\text{H}_2\text{O}$ in water at 100°C . for 30 minutes, the residual tinctorial strength of the thus-heated ultramarine is more than about 25%.

7. Process for the preparation of an ultramarine of improved acid resistance which comprises (1) reacting ultramarine with a very dilute solution of a strong mineral acid to form an aqueous slurry of acid-treated ultramarine, the proportion of said mineral acid in said solution being the stoichiometrical equivalent of 2%–7% of sulfuric acid of the weight of said ultramarine; (2) heating said acid-treated ultramarine in aqueous medium to about 90°C . until evolution of hydrogen sulfide substantially ceases; (3) reacting the resulting ultramarine with an alkali metal silicate solution until the absorptive capacity of said ultramarine for alkali metal ions is substantially satisfied; (4) calcining said silicated ultramarine between about 350°C . and 800°C . until evolution of water from said silicated ultramarine substantially ceases; and (5) cooling said calcined ultramarine.

2,628,921

METHOD OF PRODUCING AN INTERMEDIATE METALLIC OXIDE FILM IN A MULTIPLE LAYER ARTICLE

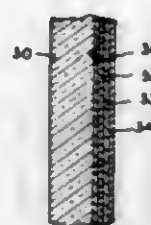
Arthur R. Weinrich, North Wilkesboro, N. C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application April 18, 1949, Serial No. 88,188

10 Claims. (Cl. 117—62)

1. The method of making a multiple layer article having an intermediate film of a metal oxide produced by oxidation through a subsequently applied coating which comprises: positioning a support structure in an evacuated chamber, establishing a vacuum in said chamber; depositing by thermal evaporation upon the support structure within said chamber a film of a readily oxy-

dizable metallic material of such thickness that it may be substantially completely oxidized throughout its depth through a subsequently applied coating; depositing by thermal evaporation directly upon said film within said chamber while maintaining said vacuum an outer coating of a material difficult to oxidize of such thickness as to be pervious to the passage of oxy-



gen at an elevated temperature; breaking the vacuum in said chamber; and thereafter heating said article in an oxidizing atmosphere at an elevated temperature and for a time selected in accordance with the thicknesses and materials of said film and said coating to substantially completely oxidize said intermediate film throughout its depth through said coating without substantially oxidizing said outer coating.

2,628,922

ADHESION OF POLYMERIC MATERIALS TO GLASS

Frank J. Carlin, Fort Atkinson, Wis., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 9, 1950,

Serial No. 194,929

10 Claims. (Cl. 117—124)

1. A coating composition comprising a xylene-soluble, unsaturated polymerizable material from the group consisting of homopolymers of polyolefinic esters of 2-alkenols and 2-alkenoxyalkanols, and interpolymers of at least 20% by weight of such polyolefinic esters with a copolymerizable monoolefinic compound, in admixture with a fluoride salt selected from the group consisting of ammonium fluoride and ammonium bifluoride, said fluoride salt being present in an amount within the range of from about 0.05% to 5.0% by weight of the said polymeric material.

9. A method of securing improved adhesion of xylene-soluble, unsaturated polymeric material to glass surfaces which comprises applying to the glass surface a coating of a composition as set forth in claim 1, and thereafter heating the coated glass at temperatures from 120°C . to 250°C . to secure a highly adherent surface film.

2,628,923

ARTICLE COMPRISING COATED POLYSTYRENE

Luther L. Yaeger, Hammond, Ind., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

No Drawing. Application April 26, 1948,

Serial No. 23,392

8 Claims. (Cl. 117—138.8)

3. An article of manufacture comprising a polystyrene surface and a coating integrally bonded thereto, said coating comprising a cellulose mixed ester derived from aliphatic acids having 1–5 carbon atoms, said cellulose mixed ester having hydroxyl content lower than 1.8% and a substance selected from the group consisting of the film-forming resinous polymers of methacrylic acid, acrylic acid, and esters thereof.

2,628,924

METHOD OF CLEANING STRIP

Samuel S. Johnston and John E. Elswick, Steubenville, Ohio, assignors to National Steel Corporation, a corporation of Delaware

Application July 5, 1947, Serial No. 759,158

7 Claims. (Cl. 134—15)



1. In the process of removing a solution of electroplating salts from a moving metal strip electroplated with metal, the steps of directing the strip along a predetermined path with one surface uppermost and directing a stream of fresh wash water downwardly onto said one surface, changing the direction of strip travel and positioning the other surface uppermost and directing a stream of fresh wash water downwardly onto said other surface, and thereafter passing the strip between wringer rolls.

2,628,925

BRIGHT CORROSION RESISTANT COATING OF METALS

Charles W. Ostrander, Baltimore, Md., assignor to Rheem Manufacturing Company, New York, N. Y., a corporation of California

No Drawing. Application June 24, 1947,

Serial No. 756,813

7 Claims. (Cl. 148—6.21)

1. An aqueous acidic solution for treating metals selected from the group consisting of zinc and cadmium and alloys thereof to impart a bright colorless surface to the metal consisting essentially of chromic acid 10 grams per liter to 320 grams per liter, sulfuric acid and acetic acid, the chromic acid and sulfuric acid being present in the ratio of about 1 cc. per liter of sulfuric acid to about 16 grams per liter of chromic acid, the acetic acid being present in amount of about 25 to about 200 cc. per liter.

2,628,926

MANUFACTURE OF MACHINABLE MOLYBDENUM

John H. Ramage, deceased, late of Bloomfield, N. J., by The Bloomfield Bank and Trust Co., executor, Bloomfield, N. J., and Robert D. Malin, Park Forest, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

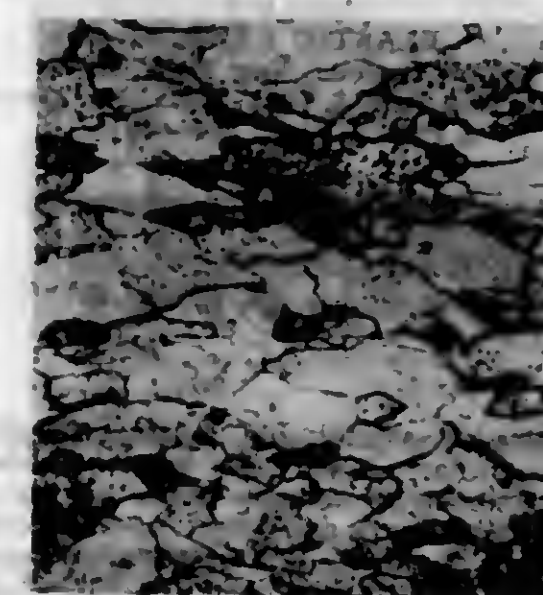
Application June 21, 1949, Serial No. 100,392

10 Claims. (Cl. 148—11.5)

5. The method of producing molybdenum comprising rolling and swaging a bar thereof, sintered from the powder, at temperatures between about 1350°C . and 1500°C . to reduce it not more than about 79% in section and elongate its grains to produce a fibrous structure, recrystallizing said bar by heating at about 1600°C . and finally working to reduce the transverse sectional area of said bar about and not more than 25%, thereby elongating the grains, on the average, to between two and six times their transverse dimensions, by said working, in order to make the material easily machineable.

10. The method of producing easily machineable molybdenum comprising working to finished size a bar sintered from the powder to elongate its grains to more than six times their transverse dimensions to a fibrous condition, and concluding

the treatment by annealing for approximately one hour per $\frac{1}{4}$ " of section thickness at a temperature between 1300°C . and 1350°C . in order to effect a formation of the preferred recrystallization pattern, where the elongated grains are not restored entirely to an equiaxed condition, but still elongated to an extent, that is, on the average, not less than twice and not more than four times their transverse dimensions.



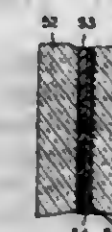
2,628,927

LIGHT TRANSMISSIVE ELECTRICALLY CONDUCTING ARTICLE

William H. Colbert, Brackenridge, Pa., Arthur R. Weinrich, North Wilkesboro, N. C., and Willard L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application April 18, 1949, Serial No. 88,208

20 Claims. (Cl. 154—2.73)



1. An electrically conductive transparent article comprising: a body of transparent glassy siliceous material having a smooth continuous surface; a continuous intermediate transparent adhesive layer deposited by molecular deposition on said smooth continuous surface, said layer comprising a metallic oxide characterized by strong molecular adhesion both to glassy siliceous material and to metals, the adjacent surfaces of said body and layer being in continuous direct surface to surface contact and defining a smooth continuous interface; and a continuous film of a metal selected from the group consisting of gold, silver, copper, iron and nickel deposited by molecular deposition on said adhesive layer and permanently and directly adhered throughout its area to said adhesive layer by molecular forces, said film being substantially uniform in thickness, the thickness of said film being such that it has an electrical resistivity of not more than 150 ohms per square area and the light transmission of the article is at least 50%, the outer surface of said metal film being substantially smooth.

15. An article as defined in claim 1 in which the article is a pane of glass which is laminated

to a second pane of glass with an intermediate ply of plastic in contact with the coated side of the first pane.

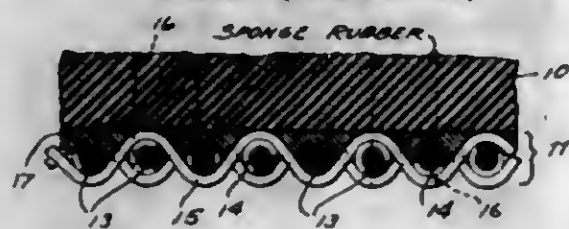
2,628,928

ELASTIC FABRIC

Esther Cadous, New York, N. Y.

Application June 8, 1951, Serial No. 230,653

1 Claim. (Cl. 154-48)



A laminated stretchable fabric comprising a layer of cellular air pervious sponge rubber and a layer of woven stretchable fabric having rubber strands extending in one direction only, said rubber strands having a non-stretchable wrapping yarn loosely wound thereon and a rubber cement partially impregnating the loosely wound yarn and joining the rubber strands to said sponge rubber through said wrapping yarn and between the turns of said wrapping yarn, the fabric having a plurality of holes extending through both said layers and randomly disposed over the surface thereof, certain of said holes interrupting certain of said rubber strands, the cement retaining the interrupted strands in place so as to impart reinforcing characteristics to the fabric regardless of the interruption of said strands, said sponge rubber and said rubber strands being in normally unstretched condition whereby said wrapping yarn serves to limit the stretch of said fabric.

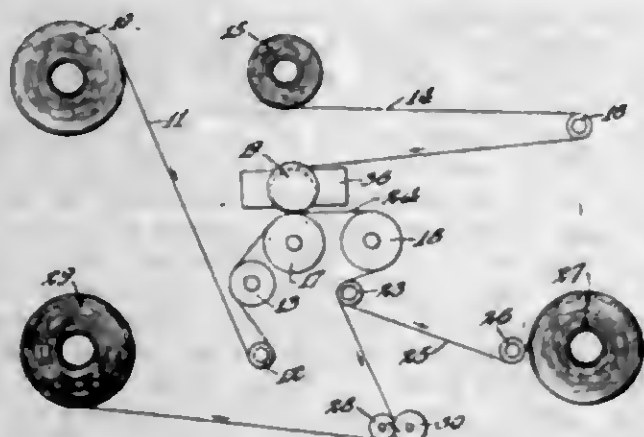
2,628,929

METHOD AND APPARATUS FOR TRANSFERRING A MAGNETIC SOUND TRACK TO MOVIE FILM

Andrew H. Persoon, St. Paul, and Chester F. Stebbins, Minneapolis, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application July 15, 1949, Serial No. 104,926

5 Claims. (Cl. 154-97.5)



1. A method of coating magnetic particles on motion picture film, adjacent an edge thereof from a transfer ribbon including a temporary backing, a magnetic coating comprising ferromagnetic particles uniformly dispersed in a binder and an adhesive layer overlying said magnetic coating, said adhesive being adapted to adhere more tenaciously to said motion picture film and to said binder than said binder adheres to said temporary backing, which comprises conducting the transfer ribbon and motion picture film at

the same rate of travel in converging paths until the adhesive-coated surface of the transfer ribbon is in contact with an edge portion of the motion picture film, pressing the contacting portions of said motion picture film and transfer ribbon together, maintaining the transfer ribbon and motion picture film in contact until the adhesive has set sufficiently to hold the magnetic coating upon the motion picture film upon removal of the temporary backing, and then separating the temporary backing from the transfer ribbon and motion picture film to cause the magnetic coating to be transferred from the former to the latter.

4. Apparatus for continuously transferring magnetic particles from a carrier ribbon to the edge portion of motion picture film, said carrier ribbon including a flexible backing, a layer of magnetic particles and a heat-activated adhesive overlying said layer; which comprises supply reels upon which said motion picture film and carrier ribbon are mounted, means for guiding said film and ribbon in converging paths and at the same speed, means for heating the adhesive on said carrier ribbon, a presser roll cooperating with said heating means to press the adhesive-coated surface of the carrier ribbon against an edge portion of said motion picture film, guide means for conducting the lamination of carrier ribbon and motion picture film together until the heat-activated adhesive has hardened upon said motion picture film, and slitting means for trimming away the unlaminated portion of said carrier ribbon.

2,628,930

AQUEOUS EMULSIONS OF LIPOID-SOLUBLE VITAMINS

Margaret Rose Zentner, West Orange, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 17, 1951,

Serial No. 226,956

7 Claims. (Cl. 167-81)

1. An aqueous emulsion containing a lipoid-soluble vitamin-active material and as co-emulsifiers therefor, gelatin, ascorbyl palmitate, and a higher fatty acid monoester of a member selected from the group consisting of glycerol and propylene glycol.

2,628,931

FERMENTATION PROCESS

Thomas D. Nunheimer, Elkton, Va., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application August 25, 1950,

Serial No. 181,581

19 Claims. (Cl. 195-80)

1. The process for producing streptomycin that comprises fermenting with a streptomycin producing strain of *Streptomyces griseus* a culture medium containing as a source of nitrogen and streptomycin activity factor a mixture comprising corn steep solubles and wheat gluten.

2,628,932

PYROLYTIC CONVERSION OF HYDROCARBONS WITH THE AID OF A FLUID CATALYST

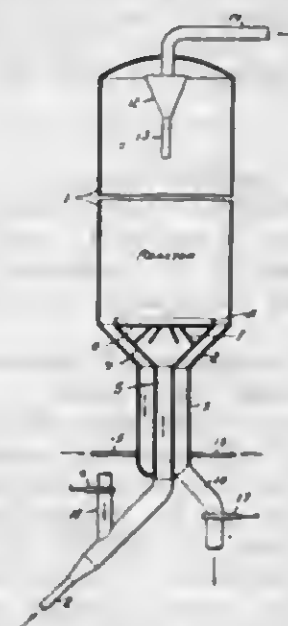
Herman I. Ringgenberg, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application March 15, 1951, Serial No. 215,783

2 Claims. (Cl. 196-52)

2. In fluid catalyst operations for the conversion of hydrocarbons of the type wherein finely

divided catalyst is continuously circulated between a regeneration chamber and a separate reaction chamber, catalyst withdrawn from the regenerator is suspended in hydrocarbon vapors to be converted, the suspension is introduced to the lower portion of the reaction chamber, spent catalyst is separated from vapors the spent catalyst is stripped of readily vaporizable hydrocarbons by contact with a gaseous stripping medium and is withdrawn from the bottom of the reaction chamber for recirculation to the regeneration chamber, the steps of passing the suspension of catalyst and hydrocarbon vapors vertically upward at a hydrocarbon vapor velocity of about 15 to 35 feet per second through a conduit which provides a straight path of 5 to 10



times its transverse dimension within a stripping column co-axially positioned below the reaction chamber, uniformly discharging the suspension upwardly and outwardly into the lower portion of the reaction chamber, circulating spent catalyst downward in an unobstructed annular path of constricted cross-section surrounding and in heat exchange relationship with the upwardly passing suspension of catalyst and hydrocarbon vapors, stripping readily vaporizable hydrocarbons from the spent catalyst by injecting the gaseous stripping medium at the lower end of the annular path of downwardly descending spent catalyst, and withdrawing stripped spent catalyst from the bottom of the stripping column.

2,628,933

REGENERATION OF SOLID ADSORBENTS

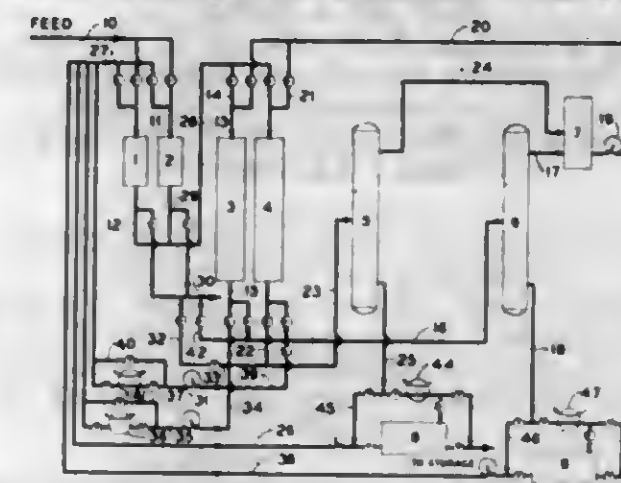
Sam Eagle, Richmond, and John W. Scott, Jr., Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application March 21, 1949, Serial No. 82,678

20 Claims. (Cl. 196-147)

1. In an adsorption separation process wherein a mixture of liquid organic compounds containing a minor proportion of very strongly adsorbed non-aromatic polar compounds is contacted with a solid adsorbent in a guard zone to remove said strongly adsorbed compounds and wherein the effluent from the guard zone is thereafter separated into at least two fractions by contact with a solid adsorbent in an adsorption zone, the improved method of regenerating

the adsorbent in the guard zone which comprises contacting said adsorbent with a liquid



comprising at least a part of one of said fractions.

2,628,934

SEPARATION OF HYDROGEN HALIDES FROM OLEFINICALLY UNSATURATED COMPOUNDS

John H. Raley, Walnut Creek, William E. Vaughan, Berkeley, and Lee M. Porter, Richmond Annex, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 14, 1950,

Serial No. 138,707

7 Claims. (Cl. 202-57)

1. In a method for separating the hydrogen halide and the olefinically unsaturated hydrocarbon components of a liquid mixture by fractionation, the improvement comprising effecting said fractionation in the presence of at least one compound selected from the group consisting of amines and their hydrogen halide salts, which compound is dissolved in the said liquid mixture.

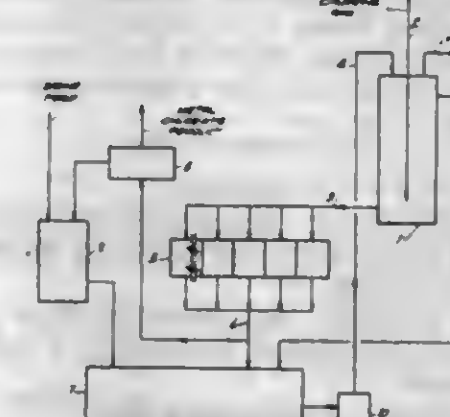
2,628,935

ELECTROLYTIC PRODUCTION OF CHLORATES

William K. Earnest, Portland, Oreg., and Errol H. Karr, Tacoma, Wash., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 12, 1946, Serial No. 689,917

5 Claims. (Cl. 204-95)

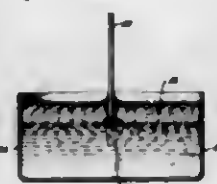


1. In a process for the electrolytic production of an alkali metal chlorate by the electrolysis of an acidic aqueous solution of an alkali metal chloride, employing gaseous chlorine for maintaining proper acidification of the solution, the step that comprises holding the solution for at least five minutes after first contacting the acidic solution with chlorine and before introducing it into the electrolytic cell.

2,628,938

METHOD OF FORMING A POINT AT THE END OF A WIRE

Vincent J. Albano, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1949, Serial No. 91,699
6 Claims. (Cl. 204-142)



1. The method of sharpening a metallic member by etching which comprises mounting said member with a portion thereof external of an etching bath and another portion extending through the surface of and into the bath, floating a layer of liquid which is immiscible with the etchant and is chemically inert to the etchant on the surface of the etching bath to control the shape of the interface between the etching bath and the liquid where the member penetrates it and partially dissolving that portion of the member which is immersed in the etching bath and is immediately below said interface.

2,628,937

ANTISTATIC TEXTILE TREATING COMPOSITION OF TRIETHANOLAMINE-ALIPHATIC CARBOXYLIC ACID SALTS

Harry Paul, Coventry, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application December 19, 1949, Serial No. 133,950. In Great Britain January 18, 1949

7 Claims. (Cl. 252-8.8)

4. A treating solution for reducing the tendency of artificial staple fibres to become electrified during processing which comprises an aqueous composition consisting essentially of (a) water, (b) a triethanolamine salt of a dibasic acid selected from the group consisting of adipic acid, pimelic acid, suberic acid, and sebacic acid, and (c) a triethanolamine salt of at least one fatty acid the molecule of which contains at least 10 carbon atoms, the composition containing from $\frac{1}{2}$ to 2 parts by weight of the triethanolamine-dibasic acid salt (b) for each part by weight of the triethanolamine-fatty acid salt (c).

2,628,935

PRODUCTION OF GREASES USING REACTION PRODUCTS OF ALPHA-HYDROXY FATTY ACIDS

William B. Whitney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 17, 1950, Serial No. 150,355

14 Claims. (Cl. 252-41)

1. The production of a gel type lubricating grease which comprises effecting an esterification juncture of an hydroxy fatty acid with at least one of an hydroxy fatty acid and another fatty acid to produce a juncture product having at least sixteen carbon atoms to the molecule; converting the juncture product to a metal salt; and admixing said salt with a suitable lubricating oil to produce said grease.

2,628,939

MINERAL OIL COMPOSITION

Edward S. Blake, Medford, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 21, 1947, Serial No. 787,485

4 Claims. (Cl. 252-46.6)

1. A composition of matter useful as a lubricant consisting essentially of a major amount of mineral oil the lubricating properties of which are enhanced in the respect that the wearing of lubricated metal surfaces is reduced by having incorporated therein in amount effective to reduce wear an additive composition containing 5.8%-11.4% sulfur and 0.11%-0.80% phosphorus supplied essentially by a sulfurized and phosphorized ester of the group consisting of ethylene glycol dioleate, diethylene glycol dioleate and dithio diglycol dioleate obtained by heating with sulfur at 150-200° C. and phosphorizing at 100-125° C.

2,628,940

EXTREME PRESSURE LUBRICANT

Elmer B. Cyphers, Cranford, and Walter E. Waddey, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 3, 1949, Serial No. 74,483

2 Claims. (Cl. 252-46.7)

1. A lubricating oil additive material having the characteristic of imparting desirable extreme pressure properties to a lubricating oil with which it is blended consisting of about 50% by weight of a reaction product of a chlorinated wax-kerosene mixture with sodium polysulfide, about 30% by weight of a P_2S_5 -treated sulfurized methylated rosin, and about 20% by weight of a P_2S_5 -treated sulfurized sperm oil.

2,628,941

EXTREME PRESSURE LUBRICANT

David E. Adelson and George L. Perry, Berkeley, and George G. Pritzker, Sausalito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 4, 1950, Serial No. 142,536

12 Claims. (Cl. 252-46.7)

1. A lubricating composition comprising a major amount of a liquid organic lubricating base having incorporated therein from about 0.01 to 10% of a reaction product obtained by reacting an aliphatic compound selected from the group consisting of C_2 - C_8 alkylene oxide, C_2 - C_8 alkylene sulfide, and C_2 - C_8 alkylene imine with an organic poly acidic compound containing from 1 to 3 free carboxylic acid groups and at least one hydroxy group, said reaction being carried out at a temperature of at least 75° C. in the mole ratio of from 4:1 to 12:1 respectively.

2,628,942

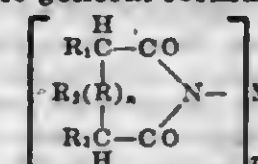
LUBRICATING OILS CONTAINING METAL DERIVATIVES OF CYCLIC IMIDES

John R. Morris, Fishkill, and James R. Roach, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 27, 1951, Serial No. 233,942

6 Claims. (Cl. 252-49.7)

1. A lubricant consisting essentially of a refined mineral lubricating oil and a small amount suf-

ficient to improve the detergency thereof of a compound of the general formula



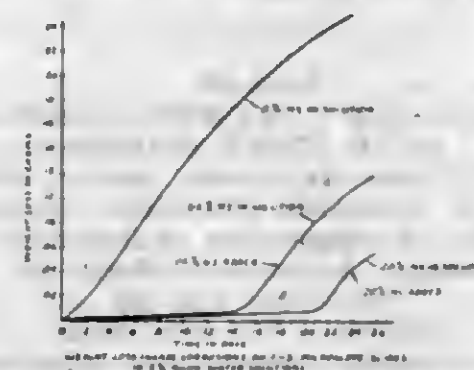
wherein M is a polyvalent metal, x is an integer equal to the valency of the metal, R is a methylene group, n is 1 or 0, and R_1 , R_2 and R_3 are members of the group consisting of hydrogen and aliphatic hydrocarbon groups, at least one of them being an aliphatic hydrocarbon group containing from about 15 to about 30 carbon atoms.

2,628,943

METHOD OF WASHING GLASS BOTTLES AND COMPOSITION THEREFOR

Martin L. Hassel, St. Louis, Mo., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application March 21, 1950, Serial No. 150,996

16 Claims. (Cl. 252-156)



1. The process of inhibiting attack of glass surfaces during washing by the action of aqueous alkali solutions substantially free of phosphates and containing caustic alkali as the principal solute, which comprises adding to said solutions an inhibiting amount of a nitrosation-sulfitation product comprising salts of a mixture of organic acids having carbon contents within the range 10 to 30 carbon atoms, said mixture including sulfonated ketones, sulfonated amines, sulfonated alkylidene sulfamates, sulfonated sulfamates and bisulfite addition products of sulfonated alkylidene sulfamates, and being derived from an unsaturated organic compound having at least one non-aromatic



linkage and a carbon content within the range 10 to 30 carbon atoms, by a process involving reaction of a nitrosating agent with a non-aromatic



linkage of said unsaturated organic compound and reaction of the resulting nitrosation product with a sulfite, and subjecting said glass surfaces to contact with the resulting solutions.

2,628,944

LEAD ACTIVATED CALCIUM ZINC SILICATE PHOSPHOR AND METHOD OF MAKING SAME

Rudolph Nagy, Upper Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 30, 1951, Serial No. 208,673

10 Claims. (Cl. 252-301.6)

5. A luminescent composition particularly adapted emitting long-wave ultraviolet radia-

tions, comprising the fired reaction product of the following constituents in about the stated proportions: calcium compound, oxide equivalent, 1 to 2.5 moles; calcium sulphate, 0 to .06 mole; zinc compound, oxide equivalent, 2 to $\frac{1}{2}$ mole; silica, 2.5 to 4 moles; lead, 0.003 to 0.06 mole; with the sum of the calcium and zinc equalling 3 moles.

2,628,945

PROCESS FOR OBTAINING CELLULAR POLYMERIC MATERIALS

Winston J. Wayne, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 24, 1949, Serial No. 83,296

1 Claim. (Cl. 260-2.5)

A process for obtaining a cellular product which comprises blending a fusible, organic macromolecular polymer thermally stable at a temperature of at least 200° C. with 0.5% to 20%, by weight of said polymer, of cyclic ethylene carbonate, heating the resulting blend in a closed space having a volume less than twice that of said blend, to a temperature of 120° C. to 200° C. until said cyclic ethylene carbonate is decomposed, permitting said blend to expand to at least twice its original volume while under greater than atmospheric pressure, and then cooling the resulting expanded product while maintained under greater than atmospheric pressure.

2,628,946

FIRE-RETARDANT COMPOSITION CONTAINING AN ANION EXCHANGE RESIN

Walter Juda and Grinnell Jones, Cambridge, Mass., and Nathaniel Altman, Kew Gardens, N. Y., assignors, by mesne assignments, to Albi Manufacturing Co., Incorporated, a corporation of Connecticut
No Drawing. Application May 22, 1946, Serial No. 671,660

14 Claims. (Cl. 260-15)

7. A liquid film-forming composition capable of imparting fire retardant properties to combustible materials when applied thereto and dried thereon, comprising a room temperature liquid mixture of incompletely polymerized basic-anion-exchange-co-condensation resin-forming ingredients consisting essentially of a weakly basic derivative of cyanamide selected from the group consisting of urea, thiourea, dicyandiamide and melamine, a strongly basic derivative of cyanamide selected from the group consisting of guanidine and substituted guanidine and an aqueous formaldehyde solution with the formaldehyde being in a proportion of at least about $1\frac{2}{3}$ mols of formaldehyde to 1 mol of combined content of said cyanamide derivatives, and at least 2 milliequivalents per gram solids of said resin-forming ingredients of a strong non-oxidizing inorganic acid having a dissociation constant of at least 10^{-3} , said composition in the form of a dried film being converted by heat at elevated temperature into a heat-insulating carbonaceous mass.

2,628,947

STAIN FILLER SEALER

George L. Deniston and Orion William Berglund, Dayton, Ohio, assignors to Chadeloid Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1949, Serial No. 97,330

4 Claims. (Cl. 260-17.2)

2. As a new article of manufacture, a stain-filler-sealer comprising acid organic dyestuff, an

organic solvent for said dyestuff characterized by the presence of tetrahydrofurfuryl alcohol, diacetone alcohol, inert filler, pigment, an air-drying phthalic anhydride-glycerol resin in combination with a hardener resin comprising phenol modified phthalic anhydride-glycerol resin, to provide a resinous combination which imparts a sealing and hardening effect and reduces shrinkage of the composition upon application and drying.

2,628,948

POLYVINYL ACETATE EMULSION CONTAINING AN ACETIC ACID ESTER OF GLYCEROL
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1950,
Serial No. 154,429

4 Claims. (Cl. 260—29.6)

1. A composition consisting of a tacky aqueous emulsion of polyvinyl acetate, a plasticizer for said acetate and from 4 to 50% by weight of said acetate of an acetic acid ester of glycerol.

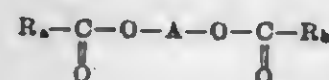
2,628,949

STABILIZED LITHIUM BASE GREASE
Richard A. Butcock, East Hempstead, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

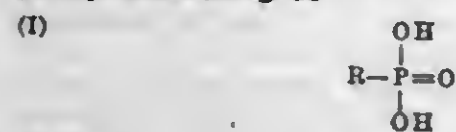
No Drawing. Application February 14, 1951,
Serial No. 210,984

21 Claims. (Cl. 252—32.5)

1. In a lithium base grease comprising a lubricating liquid comprising an ester of an organic acid and an alcohol selected from the group consisting of esters of aliphatic dibasic acids and of alcohols having from about four to about ten carbon atoms per molecule and esters represented by general formula



wherein R_1 and R_2 are aliphatic groups each having from about five to about eight carbon atoms and A represents an alkyl ether group, and a lithium soap, the improvement which comprises: incorporating therein a minor amount, sufficient to increase the stability of said grease, of a lithium salt of an acid selected from the group consisting of



and



wherein R is selected from the group consisting of an aliphatic hydrocarbon group containing from about four to about twenty-two carbon atoms, a monocyclic aryl group, an alkyl-substituted monocyclic aryl group, a monocyclic naphthene group and an alkyl-substituted naphthene group, and wherein R_1 and R_2 are selected from the group consisting of the same and different R groups.

2,628,950

MODIFIED POLYVINYL ACETAL COMPOSITIONS

Francis T. Buckley, West Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 8, 1949,
Serial No. 131,922

3 Claims. (Cl. 260—45.5)

1. A composition comprising a homogeneous mechanical mixture of a polyvinyl acetal resin, a plasticizer, and from 1 to 10 parts of a polymeric vinyl alkyl ether per 100 parts of resin, the alkyl groups of said polymeric vinyl alkyl ether containing from 1 to 12 carbon atoms, and said polyvinyl acetal resin containing acetal groups derived from a member of the group consisting of formaldehyde, acetaldehyde, propionaldehyde, butyraldehyde, valeraldehyde, hexaldehyde, benzaldehyde, crotonaldehyde and cyclohexanone, said polyvinyl acetal containing on a weight basis, from 5 to 25% hydroxyl groups calculated as polyvinyl alcohol, from 0 to 40% acetate groups calculated as polyvinyl acetate, the balance being acetal groups.

2,628,951

LIGHT STABLE POLYMERS STABILIZED WITH AMINE OXIDES

George C. Claver, Jr., South Hadley, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 28, 1951,
Serial No. 218,086

4 Claims. (Cl. 260—45.9)

1. A light-stable composition comprising 100 parts of a polymer of an aromatic compound containing ethylenic unsaturation in a side chain and from 0.001 to 0.1 part of an amine oxide.

2,628,952

BUTADIENE HYDROCARBON ELASTOMERS HAVING IMPROVED LIGHT STABILITY

Paul A. Sanders, Wilmington, and John R. Vincent, Newport, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 27, 1948,
Serial No. 40,998

4 Claims. (Cl. 260—45.75)

1. A butadiene hydrocarbon elastomer of the class consisting of homopolymers of 1,3-butadiene and interpolymers of 1,3-butadiene with vinyl compounds, which interpolymers contain at least 50% of the butadiene hydrocarbon, which elastomer has intimately incorporated therein from 0.05 to 10%, based on the weight of the elastomer, of a nickel salt of a dialkylthiocarbamic acid in which each of the alkyl groups contains not more than 8 carbon atoms.

2,628,953

COMPOSITIONS OF MATTER STABILIZED WITH ISOBORNYL DERIVATIVES

Thomas H. Newby, Middlebury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 30, 1950,
Serial No. 198,500

4 Claims. (Cl. 260—45.95)

1. An organic substance which tends to deteriorate by absorption of oxygen from the air containing in antioxidant amount, a 6,6'-alkylidene bis-(2-isobornyl-4-methyl phenol).

2,628,954

COPOLYMERS OF VINYLIDENE CYANIDE WITH ACRYLONITRILE

Harry Gilbert, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 24, 1950,
Serial No. 140,356

5 Claims. (Cl. 260—78.5)

1. A copolymer of vinylidene cyanide and acrylonitrile, in which copolymer the vinylidene cyanide units are derived from the monomeric vinylidene cyanide which is a liquid at room temperature and a crystalline solid at 0° C., having a melting point when in purest form, of substantially 9.0° C. to 9.7° C., and is characterizable chemically by the ability to undergo on contact with water at room temperature an instantaneous homopolymerization reaction to give a solid, water-insoluble resin and by the ability to react with butadiene-1,3, when admixed therewith at room temperature, to give solid 4,4-dicyanocyclohexene.

2,628,955

OLEFINIC INTERPOLYMERS AND METHOD OF MAKING SAME

Charles L. Parrish, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 8, 1950,
Serial No. 166,979

8 Claims. (Cl. 260—80.7)

1. A solid plastic, rubbery interpolymers of a monoisolefin and a monomeric fulvene hydrocarbon containing from 6 to 18 carbon atoms including a single cyclopentadiene nucleus, said interpolymers being prepared by interpolymers in the presence of a Friedel-Crafts catalyst at a temperature of from -10 to -160° C.

2,628,956

SYNTHETIC RUBBER EMULSION POLYMERIZATIONS AT SUBFREEZING TEMPERATURES

Robert W. Brown, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 15, 1951,
Serial No. 215,872

6 Claims. (Cl. 260—84.7)

1. The process which comprises polymerizing at normally freezing temperatures from below 0° C. to -100° C., an aqueous emulsion of polymerizable synthetic rubber monomers selected from the group consisting of butadiene-1,3 hydrocarbons and mixtures of butadiene-1,3 hydrocarbons with aryl olefines, containing emulsifying agent, organic hydroperoxide catalyst, and polyalkylene polyamine activator, said emulsion containing ammonia in amount to prevent freezing at the polymerization temperature, such amount being in the range of 5 to 50 parts of ammonia per 100 parts of water present.

2,628,957

METHOD OF PRODUCING VINYL CHLORIDE-STYRENE COPOLYMERS

Harold Tucker, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 31, 1949,
Serial No. 84,751

2 Claims. (Cl. 260—87.5)

1. The method of producing a copolymer of vinyl chloride and styrene characterized by free-

dom from contamination by polyvinyl chloride and polystyrene, by complete solubility in acetone and in ethyl acetate and by the ability to be processed at temperatures lower than those required to process polyvinyl chloride and polystyrene, which method comprises preparing an aqueous emulsion comprising water, a water-soluble persulfate, a water-soluble normal alkali sulfite, a dispersing agent and monomeric material consisting of monomeric vinyl chloride and monomeric styrene, said water being present in sufficient amount to maintain the aqueous phase to monomer ratio in the range of 1:1 to 6:1, said persulfate and sulfite being present in approximately equal amounts ranging from 0.175 to 1% each by weight based on the total monomeric material, said dispersing agent being present in amounts ranging from 0.25 to 1.25% based on the total monomers, and said monomeric styrene being present in an amount selected from the range of from 1 to 10% by weight based on the total monomeric material, starting copolymerization of the monomeric vinyl chloride and styrene in said emulsion at a temperature in the range of 20 to 70° C. and at autogenous pressure, adding monomeric styrene to said emulsion as copolymerization proceeds at a rate adapted to maintain its concentration in the emulsion at the said selected amount in the range of 1 to 10% based on the total monomeric material, while continuing copolymerization and addition of monomeric styrene at the said temperature and pressure for a time sufficient to convert at least 40% of the total monomeric material to copolymer, and finally recovering the vinyl chloride styrene copolymer formed.

2,628,958

POLYMERIZABLE ESTERS OF ALPHA-METHYLENE CARBOXYLIC ACIDS

James Arthur Bittles, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 3, 1950,
Serial No. 159,870

7 Claims. (Cl. 260—89.5)

1. An ester of an alpha-methylene carboxylic acid wherein the alkenyl radical attached to the carboxyl group contains two to three carbon atoms, inclusive, and a straight chain fluoroalkanol having an odd number of carbon atoms of from five to thirteen, inclusive, and, exclusive of the terminal carbon atom in the primary alcohol group, —CH₂OH, two fluorine atoms on every carbon atom and one hydrogen on the other terminal carbon atom.

2,628,959

PROCESS FOR MAKING STABILIZED DIAZONIUM SALTS

William H. von Glahn, Loudonville, and Herman A. Bergstrom, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 19, 1949,
Serial No. 128,470

8 Claims. (Cl. 260—141)

4. In a process for the preparation of a stable diazonium salt in solid form which involves precipitation of a diazonium salt from aqueous solution with a fast color salt stabilizer, the improvement which comprises adding to the solution of the diazonium salt, prior to said precipitation, a surface active agent having the formula



wherein R is a long chain hydrocarbon radical of

an aliphatic acid having from 12 to 18 carbon atoms and R_1 is a member of the group consisting of methyl and ethyl radicals said surface-active agent effecting partial stabilization of the diazonium salt, and effecting the aforesaid precipitation of the stable diazonium salt in solid form with 1,5-naphthalene-disulfonic acid in the presence of said surface-active agent.

2,628,960

METALLIZED SPIRIT-SOLUBLE AZO DYE STUFFS

Harlan B. Freyermuth, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 3, 1949,
Serial No. 69,042
3 Claims. (Cl. 260-151)

2. The spirit-soluble cyclohexylamine salt of the cobalt complex of 1-(2'-hydroxy-5'-sulfo-phenylazo)-2-naphthol.

2,628,961

SPLEEN EXTRACT

Jesus M. Amozurrutia, Mexico City, Mexico, assignor to Miranda Brothers Trading Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 27, 1945,
Serial No. 631,230
1 Claim. (Cl. 260-210)

The method of preparing a therapeutic composition comprising separating the benzol soluble from the benzol insoluble portions of the spleen tissue of a mammal, extracting the benzol insoluble portion with ethyl ether, separating any insoluble material from said ethyl ether extract, removing the ether from said extract, extracting the residue after removal of said ethyl ether with water and removing any undissolved material from said extract.

2,628,962

METHOD FOR PREPARING DIHYDROCODEINONE, DIHYDROMORPHINONE, AND CODEINONE

August H. Homeyer, Webster Groves, and George B. De La Mater, St. Louis County, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application October 20, 1949,
Serial No. 122,586
10 Claims. (Cl. 260-285)

1. The process for preparing a substance selected from the group consisting of dihydrocodeinone, dihydromorphinone and codeinone which comprises reacting the corresponding hydroxy compound selected from the group consisting of dihydrocodeine, dihydroisocodeine, codeine and dihydromorphine in the presence of an aluminum tertiary-alkoxide and a solvent, with a ketone having the general formula



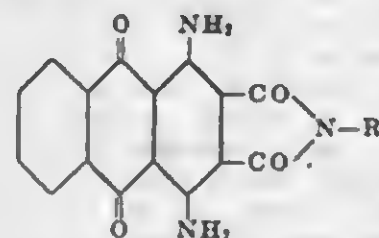
in which R_1 is a radical selected from the group consisting of monocyclic hydrocarbon aryl and aralkyl radicals, and R_2 is a radical selected from the group consisting of alkyl radicals and monocyclic hydrocarbon aryl and aralkyl radicals, one of said radicals containing a substituent in the alpha position selected from the group consisting of alkoxy radicals and carbonyl oxygen.

2,628,963

1,4-DIAMINO-2,3-ANTHRAQUINONE-DICARBOXIMIDES

Joseph F. Laclius and Stanley B. Speck, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1951,
Serial No. 260,086
6 Claims. (Cl. 260-326)

1. 1,4-diamino-2,3-anthraquinone-dicarboximides of the general formula:



in which R stands for a radical of the group consisting of -H, -alkyl, hydroxyalkyl-, cycloalkyl- and aralkyl-, which alkyl, cycloalkyl and aralkyl groups contain not over 7 carbon atoms.

2,628,964

PREPARATION OF NAPHTHOSTYRILS

Mario Scalera, Somerville, William B. Hardy, Bound Brook, and Julian J. Leavitt, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 7, 1951,
Serial No. 219,896
20 Claims. (Cl. 260-326.5)

1. A process of producing a naphthostyryl which comprises heating a compound selected from the group consisting of alpha-naphthyl isocyanates and alpha-naphthyl isothiocyanates unsubstituted in the peri position with a Friedel-Crafts catalyst under normal Friedel-Crafts reaction proportion conditions in a reaction mixture containing a sufficient inert diluent to repress intermolecular reactions the temperature being maintained at a point sufficient low so that under the pressure conditions prevailing a major portion of the diluent is in the liquid phase and continuing the heating until cyclization to the naphthostyryl is substantially complete.

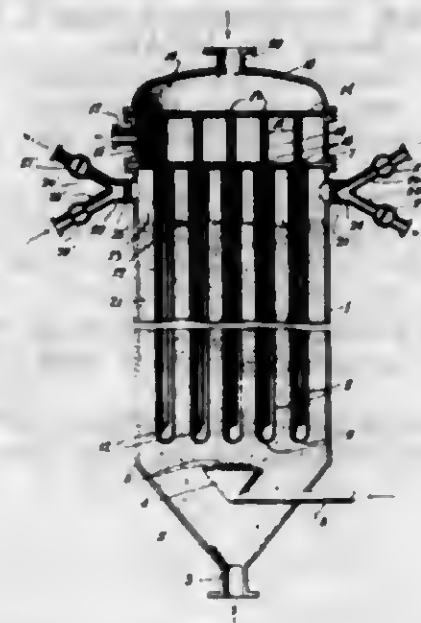
2,628,965

PREPARATION OF OLEFIN OXIDES

Frederick W. Sullivan, Jr., Summit, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application August 20, 1946, Serial No. 691,855
6 Claims. (Cl. 260-348.5)

1. The method of recovering the olefinic values of vaporized hydrocarbon mixtures containing not less than about 50% by volume of olefins and not less than about 5% of unstable impurities of the class of carbon monoxide and acetylenic compounds, based on the olefin content, which comprises passing a said vaporized hydrocarbon mixture and oxygen through a fluidized mass of comminuted silver oxygenation catalyst, proportioning said vaporized hydrocarbon mixture and oxygen so that the stoichiometric requirement of oxygen to convert said unstable impurities to carbon dioxide and water is satisfied and there is present about 0.4 to 1.0 volume of oxygen for each volume of contained olefin, maintaining said fluidized mass at a reaction temperature in the

range of about 200° to 300° C., separating the reaction gases from said fluidized mass, and re-



covering the olefinic values of the thus treated hydrocarbon mixture in the form of olefin oxides.

2,628,966

REDUCTION OF STEROID KETONES WITH ALKALI METAL BOROHYDRIDE

Robert P. Graber, Westfield, and Norman L. Wendler, Linden, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application November 25, 1950,
Serial No. 197,648
18 Claims. (Cl. 260-397.5)

1. The process of reducing a ketone grouping in a keto-substituted steroid compound containing at least one unsaturated carbon to nitrogen linkage, without substantially affecting said carbon to nitrogen linkage, which comprises reacting said keto-substituted steroid compound with an alkali metal borohydride thereby forming the corresponding hydroxy-substituted steroid compound.

2,628,967

PROCESS FOR THE PREPARATION OF PARTIAL ESTERS OF POLYHYDRIC ALCOHOLS WITH CARBOXYLIC ACIDS

Roland-Carlo Voegeli, Cointrin, Switzerland, assignor to The Givandan Corporation, a corporation of New Jersey

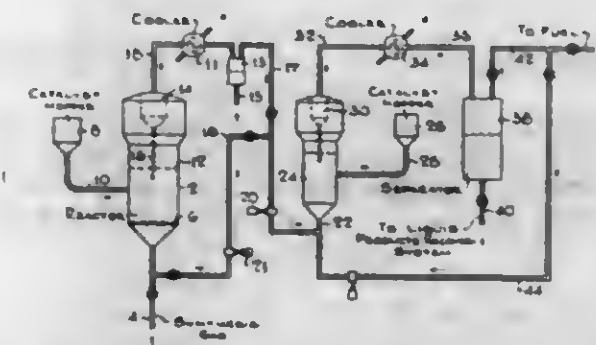
No Drawing. Application November 13, 1948,
Serial No. 59,972
15 Claims. (Cl. 260-410.7)

1. A process for preparing partial carboxylic acid esters of polyhydric alcohols, which comprises heating glycerol and a member selected from the group consisting of higher fatty acids and higher fatty acid polyesters at an elevated temperature, in the presence of at least one catalyst selected from the group consisting of metals having atomic numbers between 24 and 28, inclusive in Series 4 of the periodic table which are capable of possessing more than one valence in their compounds and the salts of said metals.

2,628,968

REDUCTION OF CARBON FORMATION IN HYDROCARBON SYNTHESIS

Clinton H. Holder, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 30, 1948, Serial No. 51,984
3 Claims. (Cl. 260-449.6)



1. An improved process for producing valuable conversion products from CO and H₂ by a catalytic synthesis reaction without excessive deposition of solid carbonaceous material in the course of said synthesis which comprises contacting a synthesis feed gas mixture containing H₂ and CO in the ratio of about 1.0-1.5:1 at a temperature of about 650° to 700° F. with a dense, turbulent mass of finely divided potassium salt promoted iron hydrocarbon synthesis catalyst of relatively low activity under the synthesis conditions prevailing in said zone, maintaining a total pressure of about 350-450 p. s. i. g. within said zone, maintaining a hydrogen partial pressure of about 150 to 175 p. s. i. within said zone, maintaining a synthesis gas conversion level of about 70-80% within said zone, withdrawing reaction products and unreacted gases from said zone and passing unreacted carbon monoxide and hydrogen withdrawn from said first zone to a second synthesis zone, maintaining a total pressure of 600-750 p. s. i. g. and a temperature level of from about 650 to about 700° F. in said second reaction zone, maintaining a dense fluidized bed of iron type potassium promoted hydrocarbon synthesis catalyst of high activity under the synthesis conditions prevailing in said second zone, contacting the reactants with said catalyst for a sufficient period of time to attain the desired conversion, and recovering a product containing substantial amounts of hydrocarbons boiling in the gasoline range from both reaction zones.

2,628,969

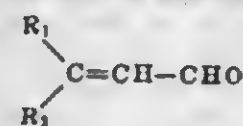
IRON CATALYST FOR THE HYDROGENATION OF CARBON MONOXIDE

Walter Rottig, Oberhausen-Sterkrade-Nord, Germany, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany, a joint-stock company of Germany

No Drawing. Application September 30, 1948, Serial No. 118,993. In Germany October 1, 1948
5 Claims. (Cl. 260-449.8)

1. The process of treating gas mixtures containing carbon monoxide and hydrogen to produce at least 30% of oxygen-containing products which comprises reacting such gas mixtures at a temperature of approximately 200° C. in the presence of a hydrogenation catalyst comprising a mixed, reduced, iron oxide-alkali metal salt precipitation product containing from 5 to 10% of alkali metal salt calculated as K₂O of the iron present, calculated as Fe, the alkali metal salt being in situ formed during precipitation of the iron in said catalyst.

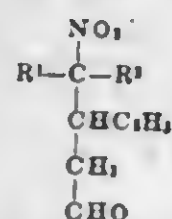
takes place resulting in the formation of an unsaturated aldehyde of the formula



2,628,980

BETA-PHENYL-GAMMA-NITROALDEHYDES
Owen A. Moe and Donald T. Warner, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application February 18, 1949, Serial No. 77,283
9 Claims. (Cl. 260-599)

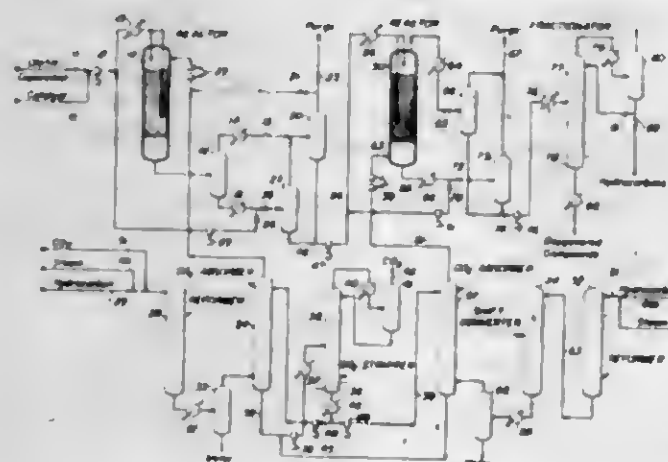
1. Nitroaldehydes having the following formula:



In which R¹ and R² are selected from the group consisting of hydrogen and low alkyl groups.

2,628,981

PREPARATION OF IMPROVED MOTOR FUEL
Donald E. Burney, Griffith, and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 29, 1947, Serial No. 788,845
9 Claims. (Cl. 260-604)



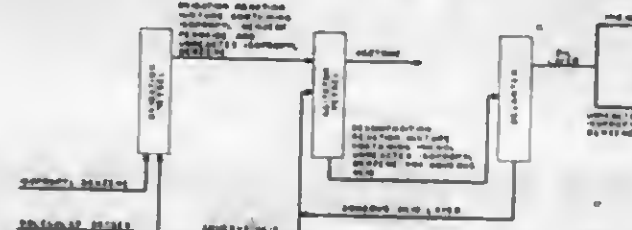
1. In a process for producing a superior motor fuel from a secondary olefin-tertiary olefin copolymer; said copolymer containing a substantial proportion of gasoline-boiling-range components, the steps which comprise contacting said copolymer with carbon monoxide and hydrogen in the presence of a catalyst containing as the active constituent a metal selected from the group consisting of cobalt and iron under conditions of temperature and pressure whereat a portion, but not all, of said gasoline-boiling-range components are converted into oxygenated derivatives, contacting the resulting reaction product with hydrogen, under hydrogenating conditions in the presence of a catalyst effective for the hydrogenation of the unconverted portion of said copolymer, whereby the unconverted portion of said gasoline-boiling-range components are converted into a saturated motor fuel of improved sensitivity and performance number, and separating said motor fuel therefrom.

2,628,982
BIS-(TRICHLORMETHYL) SULFONE
William R. James, Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 31, 1951, Serial No. 218,708
9 Claims. (Cl. 260-607)

1. Bis-(trichloromethyl) sulfone.
2. A process which comprises reacting an alkali metal hypochlorite and a substance selected from the group consisting of thiodiglycolic acid, water-soluble salts of thiodiglycolic acid and mixtures thereof in an aqueous solution under substantially neutral to alkaline conditions until bis-(trichloromethyl) sulfone is formed.

2,628,983

MANUFACTURE OF PHENOLS
Basil Vivian Aller, Dorking, Reginald Harold Hall, Sutton, Denis Cheselden Quin, Epsom, and Karl Heinrich Walter Turck, Banstead, England, assignors, by mesne assignments, to Hercules Powder Company, a corporation of Delaware
Application January 29, 1948, Serial No. 5,178
In Great Britain February 13, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires February 13, 1967
23 Claims. (Cl. 260-621)



1. A process for the production of phenols, which comprises oxidizing in the liquid phase a benzene homologue in which the benzene ring is substituted by at least one alkyl group, one of which has a tertiary carbon atom in the alpha position to the benzene ring, by molecular oxygen, whereby per-compounds are produced therefrom, terminating the oxidation while the resulting reaction mixture contains a substantial amount of unreacted alkyl benzene, reacting said per-compounds dissolved in said unreacted alkyl benzene by bringing the mixture resulting from said oxidation reaction into intimate contact with acid until decomposition of the per-compounds is practically complete, and separating the produced phenols and ketone from the resulting reaction mixture.

2,628,984

PROCESS FOR THE MANUFACTURE OF PHENOLS AND KETONES

Basil Vivian Aller, Hull, Reginald Harold Hall, Carshalton, Denis Cheselden Quin, Epsom, and Karl Heinrich Walter Turck, Banstead, England, assignors to Hercules Powder Company, a corporation of Delaware
No Drawing. Original application January 29, 1948, Serial No. 5,178. Divided and this application September 19, 1949, Serial No. 116,636.
In Great Britain February 13, 1947
7 Claims. (Cl. 260-621)

6. A process for the production of phenol which comprises oxidizing in the liquid phase isopropyl benzene with molecular oxygen to produce isopropyl benzene hydroperoxide therefrom, effecting the oxidation to such an extent that the resulting reaction mixture contains a substantial

amount of unchanged isopropyl benzene and that about 10 to 50% of the initial isopropyl benzene is converted into isopropyl benzene hydroperoxide, reacting at elevated temperatures the resulting isopropyl benzene hydroperoxide dissolved in unchanged isopropyl benzene by intimate contact with an acidic hydrogen ion exchange material until said hydroperoxide is practically completely decomposed, and recovering phenol and acetone from said acid solution.

2,628,985

PRODUCTION OF PHENOLS

De Loss E. Winkler, Orinda, and Harry de V. Finch, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 5, 1949, Serial No. 131,246
15 Claims. (Cl. 260-621)

15. In a process for the production of phenol by the conversion of a member of the class consisting of cyclohexanone, cyclohexanol and mixtures thereof, the improvement which resides in effecting the conversion by contacting at a dehydrogenating temperature a member of said class with a catalyst essentially comprising a major mole amount of iron oxide and a minor mole amount of an alkaline compound of an element of the alkali metal and alkaline earth metal groups of the periodic table.

2,628,986

ALCOHOL PURIFICATION PROCESS

Edwin G. Wallace, Walnut Creek, and Jacob J. Menn, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 29, 1949, Serial No. 124,503
4 Claims. (Cl. 260-643)

1. In a process for improving the odor of isopropanol produced by the catalytic hydration of propylene and purified to a purity of at least 85%, the balance being essentially water together with traces of organic impurities largely non-ionic in character by fractional distillation, the step comprising refluxing the fractionally distilled isopropanol in the presence of from about 0.1 to 5 mol percent of an oxidizing agent, and thereafter bringing the isopropanol into intimate contact with an ion exchange resin.

2,628,987

1,3-DICHLORO-2,3,3-TRIFLUOROPROPENE
Robert P. Ruh, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 26, 1950, Serial No. 164,613

1 Claim. (Cl. 260-653)
1,3-dichloro-2,3,3-trifluoropropene.

2,628,988

1,1,3-TRICHLORO-3,3-DIFLUOROPROPENE
Robert P. Ruh, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 26, 1950, Serial No. 164,614

1 Claim. (Cl. 260-653)
1,1,3-trichloro-3,3-difluoropropene.

2,628,989

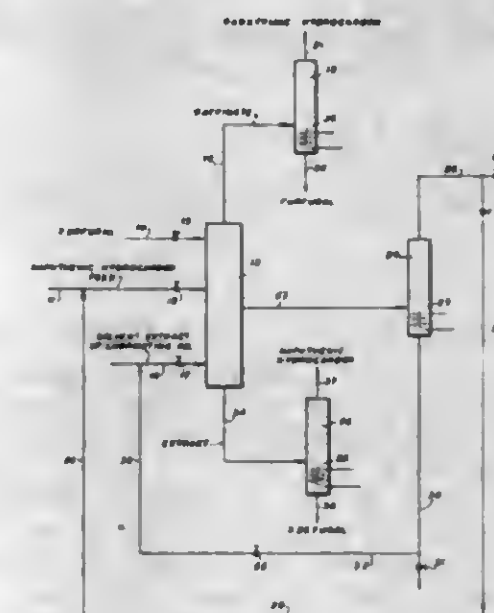
MANUFACTURE OF FLUOROOLEFINS
Charles B. Miller, Lynbrook, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 28, 1951, Serial No. 258,291
13 Claims. (Cl. 260-653)

1. The process for making an olefinic compound which comprises dehydrochlorinating a chlorofluoroethane containing at least one hydrogen atom and at least one chlorine atom on adjacent carbon atoms by heating said ethane at temperature in the range of 500-610° C. while in the presence of CCl₄ in amount effective to promote dehydrochlorination and while in the absence of extraneously introduced elemental chlorine, and recovering an olefinic compound corresponding with said ethane.

2,628,990

SEPARATION AND RECOVERY OF NAPHTHENIC HYDROCARBONS FROM MIXTURES THEREOF

Morris R. Morrow, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application October 28, 1950, Serial No. 192,834
6 Claims. (Cl. 260-666)



1. A method for separating a naphthenic hydrocarbon from a hydrocarbon fraction boiling in the range between 80° and 300° F. comprising essentially of naphthenic and paraffinic hydrocarbons which comprises extracting said hydrocarbon fraction with furfural employing a ratio of furfural to hydrocarbon fraction in the range between 10:1 and 30:1 at a temperature in the range between 40° and 300° F. in the presence of a phenol extract of a naphthenic lubricating oil fraction, boiling in the range between 570° and 850° F. and containing a major amount of aromatics and naphthenes and a minor amount of paraffins with the naphthenes in excess of the aromatics, to form at least an extract phase and a raffinate phase, and recovering naphthenic hydrocarbon from said extract phase.

2,628,991

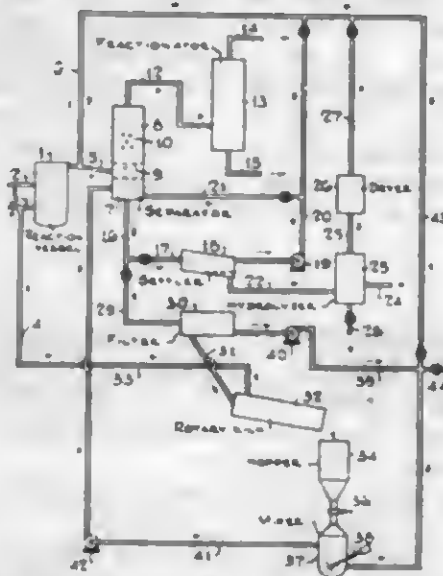
REMOVAL OF BORON FLUORIDE FROM REACTIVE HYDROCARBONS

Helmuth G. Schneider, Westfield, N. J., William C. Van Sieten, Douglaston, N. Y., and Paul W. Brakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 14, 1949, Serial No. 115,732
6 Claims. (Cl. 260—683.15)

1. The method of removing catalytic boron fluoride from a gaseous mixture containing isobutylene before the isobutylene has time to form a substantial amount of polymer, which comprises dispersing into a stream of said gaseous mixture a C₂ to C₆ dialkyl ether in no more than a slight excess necessary to form a complex with the BF₃ in said gaseous mixture so that vapors of the ether immediately form the complex, scrubbing the resulting gaseous mixture containing the complex dispersed therein with a hydrocarbon that remains inert and liquid under the operation conditions to free the isobutylene gas of complex and ether and any slight residual ex-

cess ether, separating the thus scrubbed isobutylene gas from the resulting liquid hydrocar-



cess ether, separating the thus scrubbed isobutylene gas from the resulting liquid hydrocar-

bon flux of the boron fluoride complex dispersed therein and the ether dissolved therein.

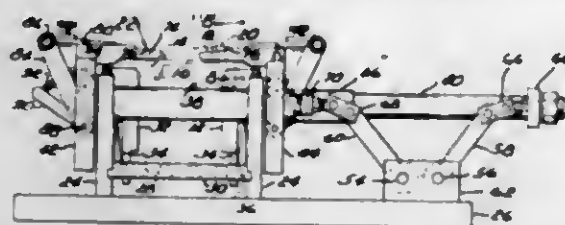
ELECTRICAL

2,628,992

METHOD AND APPARATUS FOR POSITIONING BATTERY PLATES FOR LEAD-BURNING

Bernard A. Weideman, Sussex, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application July 20, 1949, Serial No. 105,734
6 Claims. (Cl. 136—176)



5. Apparatus for positioning a cell-group of separators and plates with lugs preparatory to lead-burning connecting straps comprising a receptacle for said cell group, fulcrum means at the lower sides of the receptacle, comb structure supported at opposite sides of said receptacle for transverse movement to insert the teeth of said comb between the lugs of said plates to separate said plates and prevent said separators from tilting, said comb structure having teeth the upper surface of which slopes downwardly toward the points thereof to form a chilling surface substantially parallel with the top edges of the tilted plates, pusher means supported at opposite sides of said receptacle for transverse movement above said combs to engage said lugs to tilt said plates, and common actuating means to produce transverse movement of said combs and said pusher means.

2,628,993

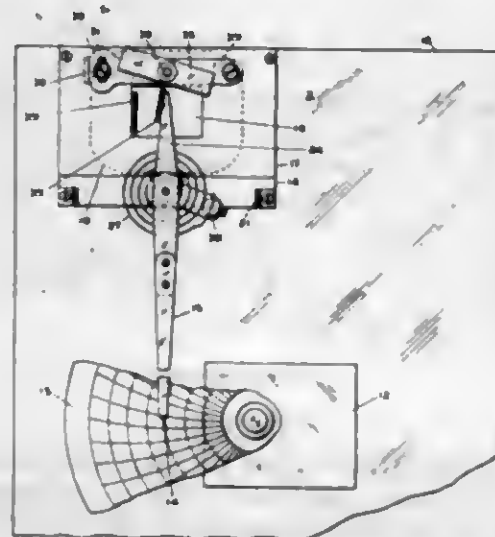
COMPENSATED CALIBRATING MEANS FOR ELECTRICAL INSTRUMENTS

John I. Hall, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application December 20, 1948, Serial No. 66,198
2 Claims. (Cl. 171—95)

1. An electrical measuring instrument of the repulsion type comprising a coil adapted to carry

current whose magnitude is to be determined and having therein a central opening, a stationary plate of magnetic material occupying a relatively small part of the central opening, a movable member adapted for rotation about an axis located exterior to the coil parallel to the axis of said central opening and having an armature of magnetic material located substantially within said central opening, said armature being adapted to move within the coil with respect to said stationary plate under the influence of magnetic reaction between said plate and said armature, a non-magnetic arm pivotally mounted for rota-



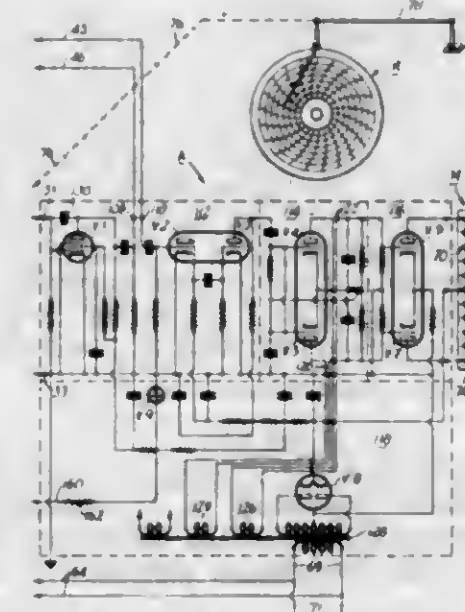
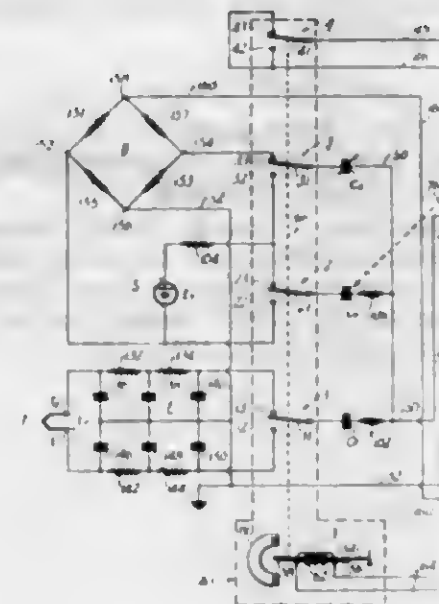
tion about an axis located exterior to said central opening and parallel to the axis of said central opening, said arm being located adjacent one edge of said central opening, and a plate of magnetic material located adjacent said arm in substantially parallel relation thereto, said last-named plate being pivotally connected to said arm for rotation about an axis which is located substantially midway of the length of said plate and which is disposed substantially midway of the width of said central opening whereby one end of said pivotally mounted plate may be advanced toward said central opening as the other end recedes from the opening and vice versa.

2,628,994

SWITCHING ARRANGEMENT FOR ELECTRICAL MEASURING SYSTEMS

Louis Goodman, Mills, Mass., assignor to The Foxboro Company, Foxboro, Mass.

Application October 31, 1947, Serial No. 783,261
13 Claims. (Cl. 171—95)



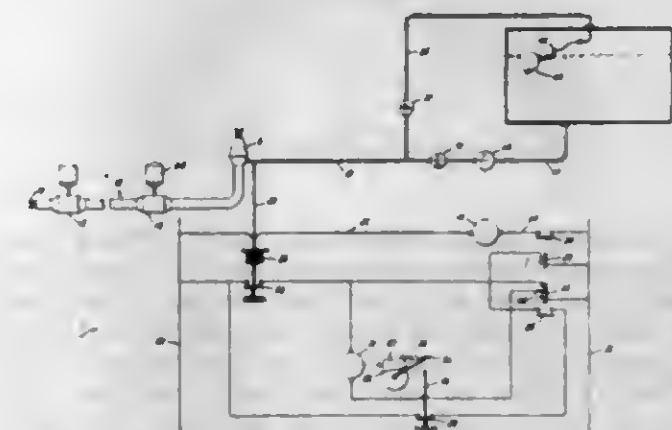
1. In apparatus for comparing two D. C. potentials, in combination, two condensers, potential-variation detecting means, periodic switching means including electrical connecting means having alternate positions for periodically interconnecting said condensers with said D. C. potentials in two alternate circuit networks, means connecting said detecting means to measuring points in said circuit networks to permit detection of potential variations between said measuring points as said switching means switches from one to the other of said alternate circuit networks, means connected with said periodic switching means for rendering said detecting means ineffective during the portions of the cycle of operation of said switching means when said electrical connecting means are intermediate their alternate positions, and control means responsive to the magnitude and polarity of said potential variations forming a measure of the value of one D. C. potential with respect to the value of the other.

2,628,995

TIME DELAY MEANS FOR CONTROLLING FLUID PRESSURE IN ELECTRIC CABLE SYSTEMS

George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 30, 1948, Serial No. 57,575
7 Claims. (Cl. 174—11)



1. In a fluid-filled cable system containing a fluid subject to changes in volume due to temperature variations therein, the combination of a fluid storage tank, a pump to feed fluid from said storage tank to one end of said system, pump control means operable in response to and upon the occurrence of a predetermined minimum pressure in said system for starting said pump whereby the pressure in said system is raised to a predetermined maximum value, and rotatable adjustable timing means operable to cause continued operation of said pump for a predetermined period after the starting thereof, said period being longer than the time normally required for said pump to attain said maximum pressure.

2,628,996

EXTENSIBLE FOLDED TERMINAL FOR ELECTRICAL COILS

Louis A. Mayo, Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 21, 1949, Serial No. 72,008
2 Claims. (Cl. 174—35)



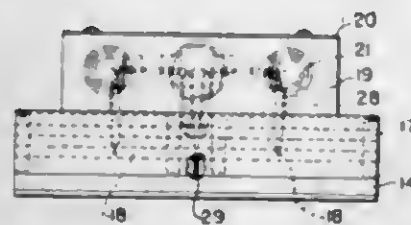
1. An article of manufacture comprising a sheet rolled into a coil of several convolutions, said sheet including a layer of dielectric material upon which are secured in spaced relationship a plurality of parallel conducting strips, and a continuous folded excess length of wire electrically connected to each of the conducting strips and extending across the space therebetween and both ends of which are adapted to be pulled from between the convolutions of the coil to form a common lead to all of the conducting strips.

2,628,997

FEED-IN AND JUNCTION BOX FOR BUS BAR DUCT SYSTEMS

Rynold A. Salomone and Cecil B. Turton, Plainville, Conn., assignors, by mesne assignments, to General Electric Company, a corporation of New York

Application February 10, 1949, Serial No. 75,566
3 Claims. (Cl. 174-59)



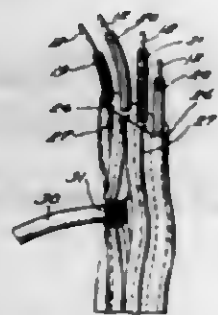
1. In a bus duct system a center feed-in connector comprising a duct section for insertion in a duct run, said duct section having a top wall, side walls depending from the edges of the top wall, and bottom flanges extending inwardly from the lower edges of the side walls leaving a slot between said flanges, tubular bus bars housed in said duct section, insulator plates of inverted U-shape fixed in the ends of said duct section, means for supporting the ends of said bus bars spaced around in the inner edges of said insulator plates so that said bus bars are accessible through said slot, said bus bars being discontinuous at a point near the lengthwise center of said duct section, an insulating partition occupying the discontinuity in said bus bars, a branch connection box mounted on the top wall of said duct section, an insulating block mounted in said box, circuit terminals mounted on said block and connected to different ones of said bus bars on different sides of said partition in said duct section and means for introducing conductors into said box for connection with said terminals, whereby conductors from different sources may be independently connected to the said bus bars on each side of said partition.

2,628,998

SPLITTABLE CABLE WITH VISIBLE CONDUCTORS

Marshall H. Frisbie, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland

Application November 8, 1945, Serial No. 627,480
4 Claims. (Cl. 174-112)



1. An electric cable adapted to be divided in longitudinal direction by finger manipulation, embodying in combination, an elongated flexible band of insulative material comprising throughout said band an integral body of homogeneous substance having internally disposed laterally spaced differently colored veins of said substance extending side by side longitudinally of the band and having relatively transparent outer portions of said substance enveloping and intervening between said differently colored veins, and a plurality of conductive wires fixedly embedded in

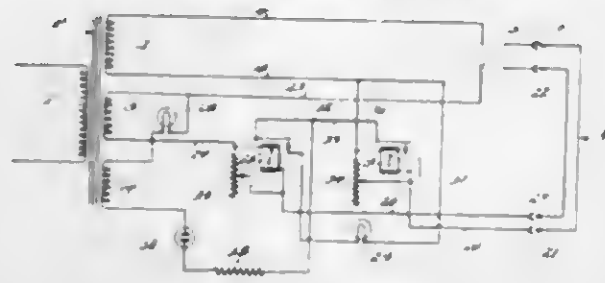
and enveloped respectively by said differently colored veins, at least one of said intervening transparent body portions being sufficiently weaker along an intermediate line running beside and spaced from said veins thereby to part more readily along said line than elsewhere whereby each of said veins remains completely enveloped by a transparent sheath of the body substance when the band is forcefully parted along said line by finger manipulation.

2,628,999

CONTINUITY, POLARITY, AND BREAKDOWN TEST DEVICE

Anton L. de Bruyne, Clinton, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 7, 1949, Serial No. 86,012
12 Claims. (Cl. 175-183)



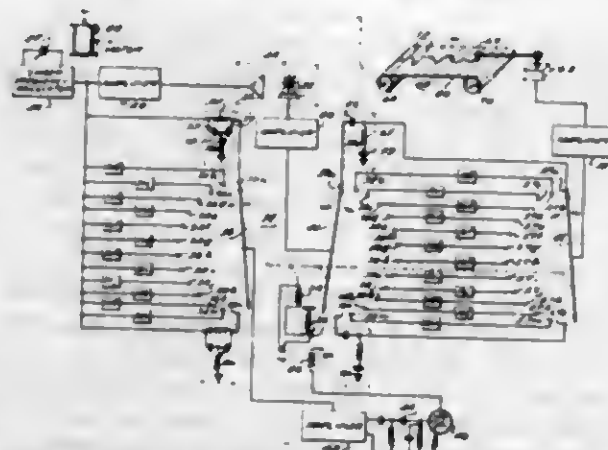
12. A device for measuring the electrical characteristics of a pair of conductors comprising a plurality of electro-responsive means, means for determining the continuity of said conductors and controlling the operation of said electro-responsive means, means responsive to said electro-responsive means for determining the polarity of said conductors, circuit means controlled by said continuity determining means and by said polarity determining means for applying a high voltage to the pair of conductors for determining the breakdown characteristics of the conductors.

2,629,000

DISTORTION ANALYZING APPARATUS

Harry F. Olson, Princeton, N. J., and Donald F. Pennie, Minneapolis, Minn., assignors to Radio Corporation of America, a corporation of Delaware

Application May 26, 1950, Serial No. 164,442
8 Claims. (Cl. 175-183)



1. In apparatus for determining the harmonic distortion introduced by a signal transfer system into a varying frequency signal passed through said system, in combination, a plurality of filter elements adapted to pass only signals of greater than predetermined minimum frequencies, the minimum frequency being different for each said filter, a signal responsive indicator, a switch to

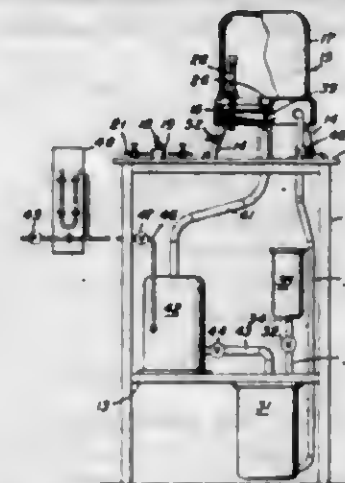
connect said system to said indicator through a selected one of said filters, and frequency sensitive switch control means connected to actuate said switch in response to variations in the frequency of said varying frequency signals to connect between said system and said indicator a preselected one of said filters at each of a plurality of preselected frequencies of said signal.

2,629,001

SPARK PLUG TESTING UNIT

Melville F. Peters, East Orange, N. J.

Application November 22, 1950, Serial No. 197,059
4 Claims. (Cl. 175-183)



3. Apparatus for testing the insulation of a spark plug having electrodes at the lower end thereof, said insulation extending the length of the plug between the electrodes from a point adjacent the lower ends thereof, the combination comprising a sealed chamber, container means positioned adjacent said chamber and having a liquid insulating medium therein, said sealed chamber and said container means being separated by a base plate which is adapted to receive said plug so that the upper end is positioned in said sealed chamber and the lower end is positioned in the liquid insulating medium, whereby normal current flow between the lower ends of the electrodes is prevented, means extending through said insulating medium for controlling the level thereof and permitting at least partial evacuation of said chamber by pump means associated therewith, means extending through said insulating medium and connected to one of said electrodes for supplying a high electromotive force between the electrodes whereby current is permitted to flow between the electrodes across damaged portions of the insulation therebetween, and means preventing discharge of said electromotive force across the upper ends of said electrodes in the sealed chamber.

2,629,002

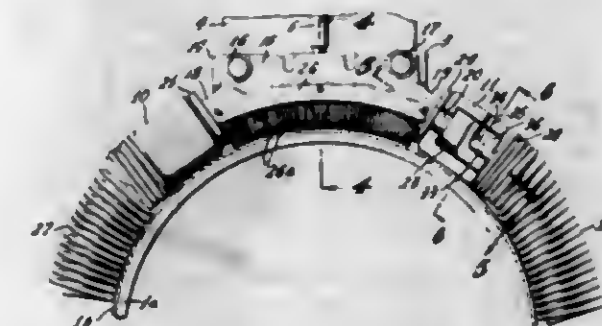
DEVICE FOR APPLYING TEST VOLTAGE TO PIPE COATING

Leo H. Tinker, San Gabriel, Calif.

Application November 30, 1950, Serial No. 198,255
14 Claims. (Cl. 175-183)

1. An electrode for applying test voltage circumferentially to the surface of a coated pipe and adapted to travel therealong comprising a pair of rollers mounted on a bracket adapted to support a carrying means for an electrical apparatus supplying said test voltage and adapted to roll along the top of the coated pipe and apply test voltage to the surface of the coating over which said rollers roll, said bracket member extending between and supporting said rollers in spaced relation with the distance therebetween

sufficient to stabilize said bracket against sidewise movement and only sufficient to allow said rollers to roll along the top of the pipe, means depending from said bracket for making electrical contact with the surface of the coated pipe between said rollers, and a helical coiled spring extending



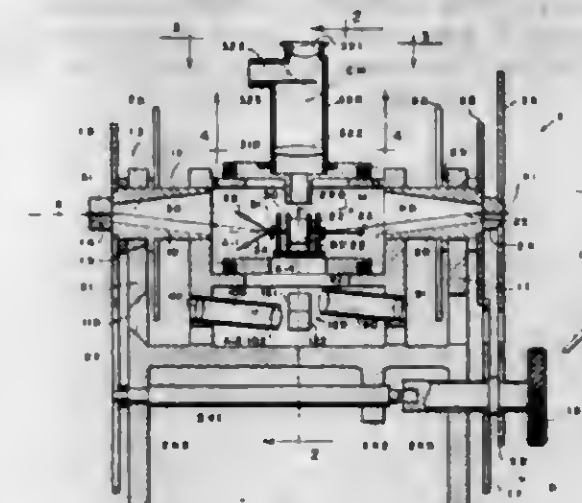
about said pipe from the outer end of one of said rollers to the outer end of the other of said rollers, each end of said coiled spring being connected to the outer end of each of said rollers respectively, and at least one of said connections being arranged for ready disconnection.

2,629,003

MAGNETOMETER

Fritz Haack, Berlin-Wilmersdorf, Germany, assignor to Askania-Werke A. G., Berlin, Germany, a corporation of Germany

Application March 18, 1952, Serial No. 277,331
In Germany April 7, 1951
16 Claims. (Cl. 175-183)



1. A magnetometer comprising a pair of torsion wires; a magnet therebetween, secured thereto, balanced thereon about a horizontal axis and having a magnetic axis intersecting said horizontal axis at right angles; a pair of torsion heads having a common horizontal axis and having the outer ends of the torsion wires centrally secured thereto; adjustment means to revolve at least one of said torsion heads about its axis; means to show the angular position of the magnet; and a protractor rigidly and peripherally secured to the revolvable torsion head, whereby the torsion of the torsion wires is directly indicated, independently of the adjustment means.

2,629,004

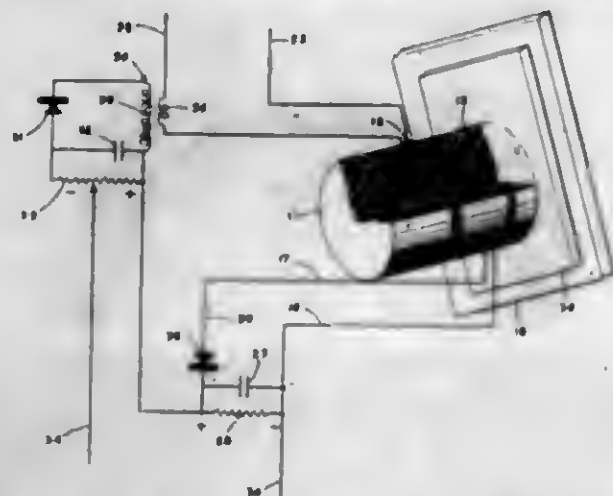
ELECTRICAL MICROMETER

Maurice L. Greenough, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy

Application June 10, 1947, Serial No. 753,791
23 Claims. (Cl. 175-183)
(Granted under Title 35, U. S. Code (1952), sec. 266)

4. Apparatus for micrometrically measuring the thickness of a material comprising a non-

magnetic electrical conducting plate bearing a stylus adapted to contact said material, a form adjacent the plate, a primary coil mounted on the form, means for supplying radio frequency current to the primary coil, a secondary coil having an output circuit mounted on the form, said

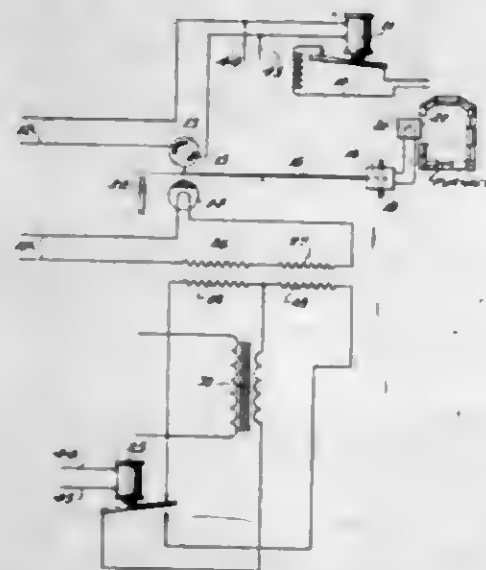


coils facing the plate, means for rectifying the current in said output circuit, means connected in the output circuit for opposing the rectified current with a direct current to adjust the current in the output circuit to a predetermined value, and means for measuring the current in the output circuit.

2,629,005

SWITCH CONTROL MECHANISM

William E. Engelhard, North Arlington, N. J.
Application February 9, 1951, Serial No. 210,267
2 Claims. (Cl. 175-321)



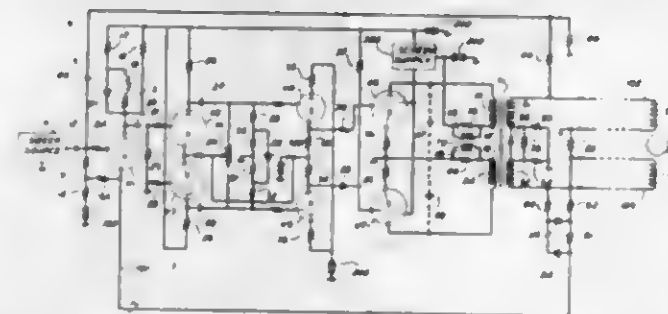
1. A control system for making and breaking the electrical circuit to a device experiencing fluctuations in energy level, which comprises a main switch, an electromagnet for controlling said switch adapted to be affected by a predetermined intensity of current supplied thereto, a feed circuit connected to said electromagnet and including a light-responsive resistance unit, a light source in alignment with said unit, means for converting predetermined differences in energy level of said device to mechanical translating movements and a movable blocking member between said unit and light source operated by said converting means, an auxiliary circuit for energizing said light source and including resistors of positive and negative temperature coefficients, selectively operable heating means for said resistors alternately operable by a switching device controlled by the intensity of current in said feed circuit to decrease the current in said

auxiliary circuit when said feed circuit has closed said main switch and to increase the current in said auxiliary circuit when said feed circuit has opened said main switch, whereby said light source and light responsive resistance unit accelerates the action of said electromagnet in its alternate control of said main switch.

2,629,006

AMPLIFIER CIRCUIT HAVING A REACTIVE LOAD

Bernard M. Oliver, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 28, 1950, Serial No. 192,773
4 Claims. (Cl. 175-335)

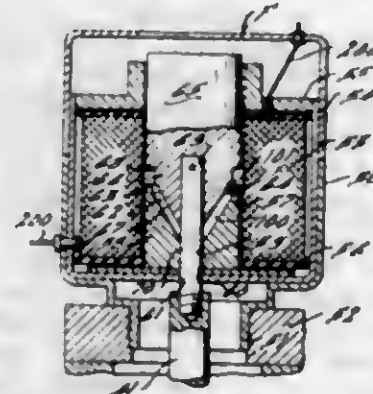


1. In an amplifier for asymmetric input waves, each cycle of which comprises a first portion varying in a first direction and a second portion varying in the opposite direction, an amplifying element having an input and an output circuit, said output circuit having a reactive load comprising an output transformer and a reactive element connected across the secondary windings thereof, and a feedback path from said output circuit to said input circuit including resistance means in series with the secondary winding and the reactive element for returning during the whole of each cycle a voltage proportional to the current flowing through the reactive element, first resistance means, including a unilaterally conducting element, in shunt across the reactive element for returning during the sweeping portion of each cycle a first portion of the voltage thereacross, and second resistance means, including a unilaterally conducting element, in shunt across the reactive element for returning during the return portion of each cycle a different second portion of the voltage thereacross.

2,629,007

ELECTROMAGNETIC OPERATOR

Louis B. Forman, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 15, 1950, Serial No. 179,448
1 Claim. (Cl. 175-336)

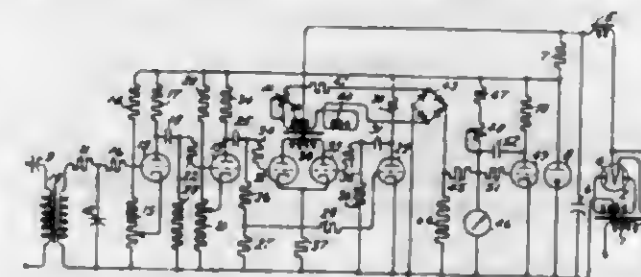


An electromagnetic operator comprising a magnetic field generating coil having an opening therein, a first core member disposed in said

opening having an integral ring disposed at one end, the inner cylindrical surface thereof communicating with the larger extremity of a concave frusto-conical opening in said first core member, and a second core member disposed in said opening having a reduced portion provided with a convex frusto-conical surface forming an air gap with and parallel to said frusto-conical opening, said reduced portion of said second core member at the larger end of said convex surface terminating in a cylindrical surface, the juncture of said convex surface and said cylindrical surface of said reduced portion and the inner lateral edge of said ring being juxtaposed when said operator is de-energized to thereby effect the passage of a greater amount of magnetic flux between said last mentioned surfaces than between said frusto-conical surfaces when said operator is initially energized.

2,629,008

FREQUENCY-TYPE TELEMETER RECEIVER
Edward E. Lynch, Wakefield, and Bernard D. Leete, Nahant, Mass., assignors to General Electric Company, a corporation of New York
Application July 13, 1948, Serial No. 38,488
7 Claims. (Cl. 175-368)



1. In a frequency-type telemeter receiver, a frequency measuring circuit comprising, a push-pull vacuum tube amplifier stage adapted to receive an alternating signal whose frequency is to be measured, a bridge-type rectifier, a pulse forming transformer having its primary connected to the output of said push-pull amplifier stage and its secondary connected to the input of said rectifier, said pulse transformer having a saturable core for providing voltage pulses of constant amplitude and duration responsive to changes in polarity of said alternating signal, and a D.-C. measuring instrument connected to measure the integrated value of the rectified voltage pulse output of said rectifier.

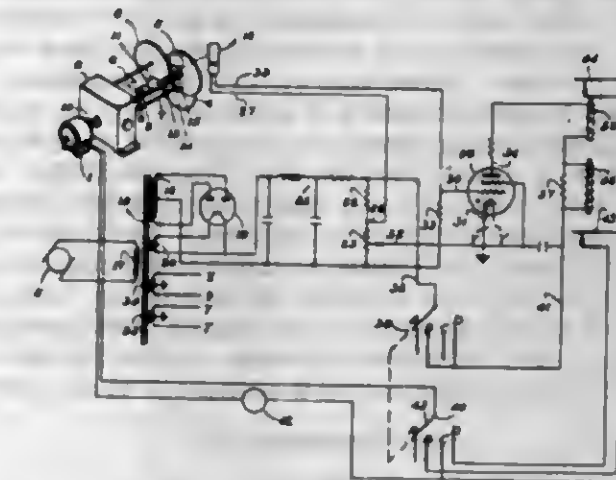
2,629,009

APPARATUS FOR TESTING ELECTRIC TIMERS

William J. Kassimir, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 14, 1948, Serial No. 54,510
6 Claims. (Cl. 175-381)

1. A system for testing the accuracy of a synchronously driven electric timer comprising a source of alternating current, an electrical circuit connecting the current source with the timer, current flow control means in the circuit for controlling flow of the alternating current in the timer, and means for actuating the current flow control means in a manner so that only a desired number of cycles of alternating current flow through the timer, the last mentioned means including a synchronous motor connected with the current source, means operatively associated with the motor for providing a signal upon revolution

of the motor rotor a preselected number of times, and a second electrical circuit responsive to the

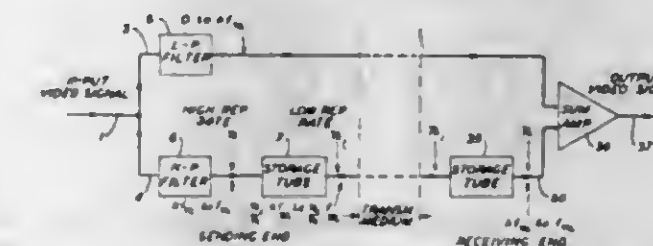


signals for operating the current flow control means.

2,629,010

TELEVISION SYSTEM HAVING REDUCED TRANSMISSION BANDWIDTH

Robert E. Graham, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1949, Serial No. 136,105
9 Claims. (Cl. 178-6.8)

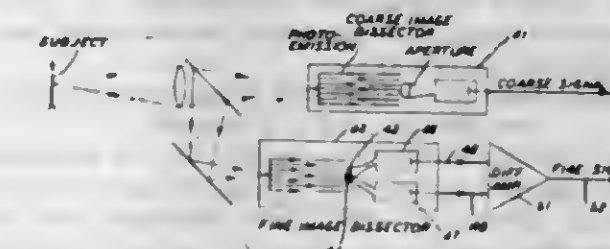


3. A television system comprising means for forming separate signals respectively representative of coarse and fine components of a television image, means for transmitting said coarse components at one repetition rate, means for transmitting said fine components at another, reduced, repetition rate, means at the receiving station to increase the repetition rate of said modified fine components, means to reduce the amplitude of said modified fine components, and means to recombine said coarse and said restored-rate and amplitude-reduced fine components into a complete video signal.

2,629,011

TELEVISION SYSTEM HAVING REDUCED TRANSMISSION BANDWIDTH

Robert E. Graham, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1949, Serial No. 136,107
7 Claims. (Cl. 178-6.8)



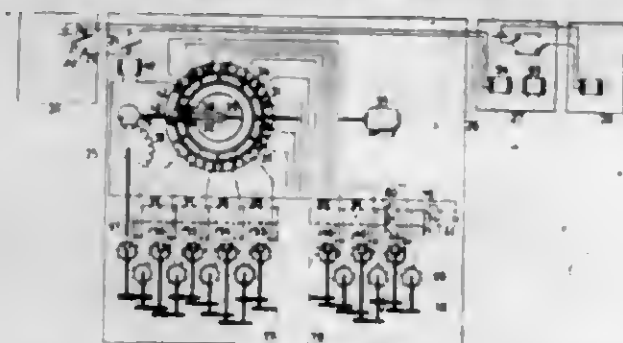
1. A television system comprising means for forming signals representative of the coarse and fine detail components of the pictorial image, said means comprising two image disector tubes one

of which is adapted to generate a signal representative of only fine detail components and the other is adapted to generate a signal representative of only coarse components of the video information, means for scanning in the fine component image dissector at a fixed number of lines per frame, means for scanning in the coarse component image dissector at a fixed number of lines per frame, means for transmitting said component signals to a receiving station, means at the receiving station to increase the number of scanning lines per frame of the coarse component signal to equal the number of scanning lines per frame of the fine component signal, and means to combine said modified coarse components and said fine components into a complete video signal.

2,629,012

DEVICE FOR PRODUCING CURRENT IMPULSE COMBINATIONS

Kurt Ehrat, Zurich, Switzerland, assignor to Edgar Gretener, Zurich, Switzerland
Application September 29, 1950, Serial No. 187,567
In Switzerland October 5, 1949
14 Claims. (Cl. 178-22)



2. In an electrical circuit including an enciphering distributor with a number n of segments connected to a coding device; the combination of a source of direct current, a number n of polarity reversing commutator switches in series, the input terminals of the first polarity reversing switch of said series being connected to the opposite terminal of said source, and the input terminals of the other polarity reversing switches each being connected to the output terminals of the preceding polarity reversing switch of said series, and a number n of polarity altering switches connected to said polarity reversing switches, each polarity altering switch being separated from an adjacent polarity altering switch by a polarity reversing switch, the fixed contacts of each polarity altering switch being connected to the output terminals of one of said polarity reversing switches and the movable contacts being connected to the respective segments of the enciphering distributor.

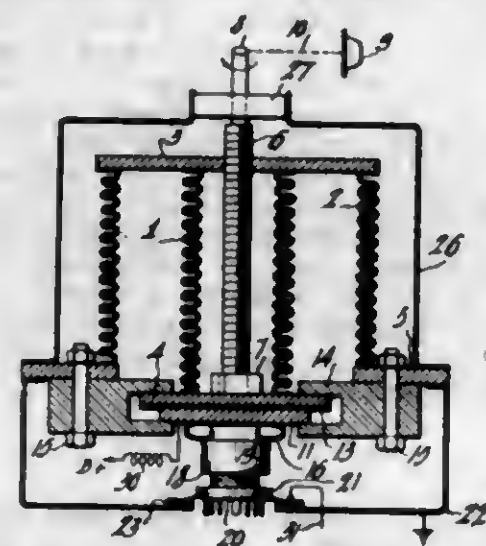
2,629,013

TUNED CIRCUIT

Thomas M. Gluyas, Jr., Collingswood, and Frederick Henry Schneider, Westville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 12, 1949, Serial No. 92,754
6 Claims. (Cl. 178-44)

1. A variable inductor comprising a section of coaxial transmission line adapted to carry high frequency currents, said line having inner and outer conductors in the form of axially substantially coextensive electrically conducting bellows, rigid metallic means bridging said bellows at one end of said section of line, a pair of separated inner and outer metallic plates arranged

transversely to said conductors and respectively joined to the bellows at the other end of said section of line, a rotatable adjusting screw axially positioned within the inner conductor and threadedly engaging said rigid means, one end



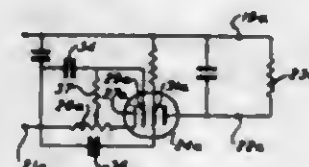
of said screw being positioned in a bearing secured to the inner one of said pair of plates, the other end of said screw constituting a shaft, a bearing for said shaft, and a yoke supporting said last bearing and mounted outside of said coaxial line and on the outer one of said pair of plates.

2,629,014

ELECTRONIC RIPPLE SUPPRESSION FILTER

Jonathan Edwards, San Diego, Calif.
Application June 8, 1949, Serial No. 97,869
1 Claim. (Cl. 178-44)

(Granted under Title 35, U. S. Code (1952), sec. 266)



A ripple suppression circuit adapted to be interconnected between a source of ripple-containing unidirectional voltage and a load comprising an electronic tube having an anode, a cathode, a control grid, and a screen grid, means serially connecting said anode and cathode between the source of unidirectional voltage and the load, a first impedance consisting solely of a resistor connected to and in series with said cathode, first circuit means connecting said control grid to a point of biasing potential with respect to said cathode, said first circuit means comprising a second impedance connected between the control grid and a selectable point on said first impedance, and second circuit means including an impedance connecting said screen grid to a source of biasing potential.

2,629,015

ELECTROMAGNETIC WAVE FILTERING DEVICE

John Reed, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 28, 1949, Serial No. 101,707
2 Claims. (Cl. 178-44)

1. A frequency responsive filter comprising a wave guide adapted to propagate electromagnetic wave energy and having a plurality of symmetri-

cal pairs of discretely-spaced inductive post discontinuities therein, the posts of each discontinuity lying in a plane transverse to the axis of



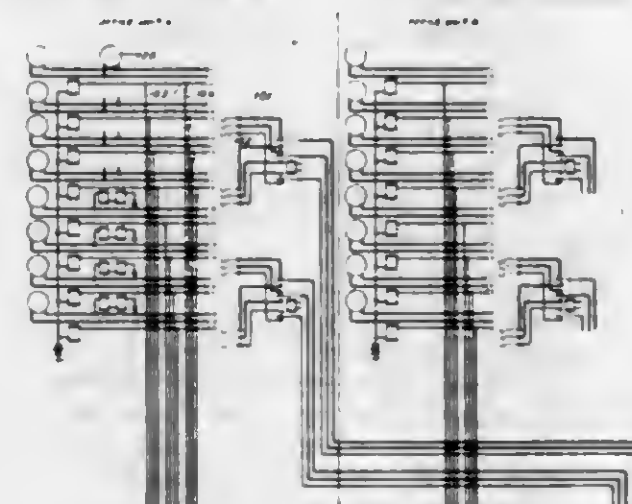
said guide and being symmetrically positioned with respect to said axis, the distance between the discontinuities of each pair being substantially equal to

$$\frac{\lambda}{2\pi} \left(\tan^{-1} \frac{2}{B} \right)$$

where B is the normalized susceptance of one of said discontinuities, each of said discontinuities comprising a pair of parallel conducting members lying in a plane perpendicular to the direction of propagation of a wave in said wave guide and spaced substantially symmetrically on either side of the major axis of said guide spaced from a pair of opposite walls of said guide.

2,629,016

AUTOMATIC TOLL-TICKETING SYSTEM
John W. Gooderham, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1942, Serial No. 448,782
26 Claims. (Cl. 179-7.1)



4. In a telephone system, a plurality of lines divided into groups and subgroups, some of which are denied a particular type of service, means responsive to the extension of a connection from a calling line for connecting a source of identifying potential to a conductor of said calling line, and an identifying means common to said lines responsive to the potential on said conductor for producing signals constituting an identification of the number of any calling line to which service is not denied and for producing a special signal if the calling line is one to which service should be denied.

7. In a telephone system, a plurality of offices, each having a plurality of lines divided into thousand-line groups, each group of lines being further subdivided into hundred-line subgroups, a group of thousands transformers corresponding to the thousand-line groups of lines for each office

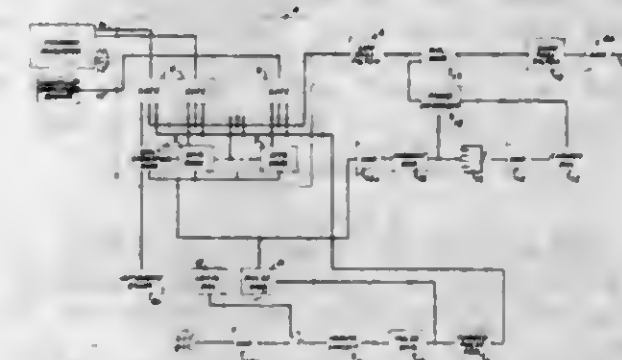
in the primary winding of each of which transformers a conductor of each of the lines of the corresponding thousand-line group terminates, a plurality of calling line identifiers common to all of said offices, means responsive to the extension of a connection from any one of said lines for seizing an idle one of said identifiers and for connecting a source of identifying potential to said conductor of the calling line, means in said identifier for determining the thousands group of an office in which the conductor to which said potential has been applied is located, means common to said identifiers and associable with the identifier taken for use having relays therein corresponding in number to said offices, means in said identifier for successively operating said relays to associate the secondary windings of all the thousands transformers of each office with the determining means, means responsive to said determining means for registering the thousands group in which the calling line is located, a thousand group connector relay individual to the office of the calling line operative in response to said registering means, and means operated in response to said connector relay to register the office and the thousands digits of the calling line.

8. In a telephone system, a plurality of lines including party lines, said plurality of lines being divided into groups and subgroups, each of said lines having one or more stations thereon, and each of said stations having a directory number individual thereto, means responsive to the extension of a calling line for connecting a source of identifying potential to a conductor of said calling line, and an identifying means common to said lines responsive to the potential on said conductor comprising circuit networks connectable to said conductor for producing signals constituting an identification of the calling party subscriber's directory number.

2,629,017

SPEECH TRANSMISSION SYSTEM

Carl A. Dahlbom, Brooklyn, and Allan Weaver, Port Washington, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 20, 1949, Serial No. 94,428
22 Claims. (Cl. 179-15)



1. In a communication system, a communication channel, a filter for passing a predetermined band of frequencies to said channel, filter means connected to said channel and generating harmonic frequencies representing carrier currents upon excitation by a succession of pulses of short duration by comparison with the interval between pulses, transmitter means for impressing on said filter means such a succession of said pulses representing message material, means for receiving said carrier currents, means for detecting the pulse conditions represented by said carrier currents, and means for deriving and reproducing the message material represented by said pulse conditions.

2,629,018

IMPULSE STORAGE AND REGENERATING POLAR DUPLEX IMPULSING TELEPHONE SYSTEM

John Wicks, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 13, 1951, Serial No. 220,874
15 Claims. (Cl. 179-16)

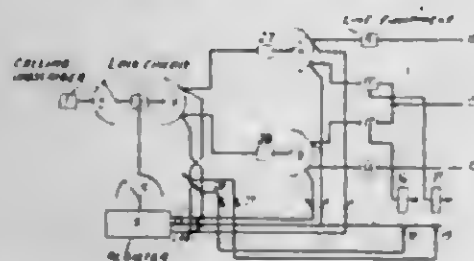


1. In a telephone system, a calling station, a repeater terminating in a first trunk having talk, hold and control conductors, a second trunk having talk, hold and control conductors terminating in an automatic switch, said switch being adapted to respond to impulses of certain character and speed, an impulse regenerating unit having means for generating impulses of said certain character and speed, the talk and hold conductors of said first trunk being connected respectively to the talk and hold conductors of said second trunk, means for connecting the control conductor of said first trunk to said regenerating unit, a trunk line, means controlled from said calling station for seizing said repeater, means responsive to said seizure of said repeater for seizing said switch over the hold conductors of said first and second trunks, means responsive to said seizure of said repeater for seizing said regenerating unit over the control conductor of said first trunk, means responsive to said seizure of said regenerating unit for connecting said seized regenerating unit to the control conductor of said second trunk, means thereafter controlled from said calling station for transmitting impulses over the control conductor of said first trunk to cause said seized regenerating unit to generate corresponding impulses of said certain character and speed and to transmit said generated impulses of said certain character and speed over the control conductor of said second trunk, means in said seized switch responsive to said transmission of said generated impulses of said certain character and speed for operating said seized switch to select said trunk line, and means for completing a connection between said calling station and said selected trunk line over the talk conductors of said first and second trunks.

2,629,019

SELECTOR MARKING SYSTEM

Henri Louis Lesigne, Vanves, France, assignor to Compagnie Industrielle des Telephones, Paris, France
Application April 28, 1949, Serial No. 90,184
In France April 28, 1948
1 Claim. (Cl. 179-18)



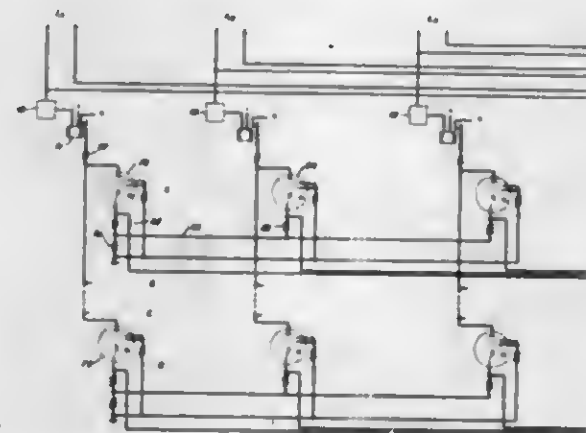
Telecommunication switching system for trunking the outgoing communications from a telecommunication exchange comprising first

group selectors, a first plurality of second group selectors, a second plurality of second group selectors, a first and a second plurality of outgoing lines each of which is multiplied to a position of each selector of said first plurality of second group selectors, a third and a fourth plurality of outgoing lines each of which is multiplied to a position of each selector of said second plurality of second group selectors, a marking wire dividing into a first branch multiplied on those positions of said first group selectors which give access to said first plurality of said second group selectors, a second branch multiplied on those positions of said first group selectors which give access to said second plurality of said second group selectors, a third branch multiplied to those positions of said first plurality of said second group selectors to which the lines of said second plurality of outgoing lines are multiplied and a fourth branch multiplied to those positions of said second plurality of said second group selectors to which the lines of said fourth plurality of outgoing lines are multiplied, means for cutting off said first branch when a predetermined number of lines of said second plurality of lines are busy, means for cutting off said second branch when a predetermined number of lines of said fourth plurality of lines are busy, and a unidirectional cell on each of said first and second branches.

2,629,020

COORDINATE SELECTING AND LOCK-OUT CIRCUIT FOR INTERPOLATED SPEECH TRANSMISSION

Donald D. Robertson, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1950, Serial No. 201,563
1 Claim. (Cl. 179-18)



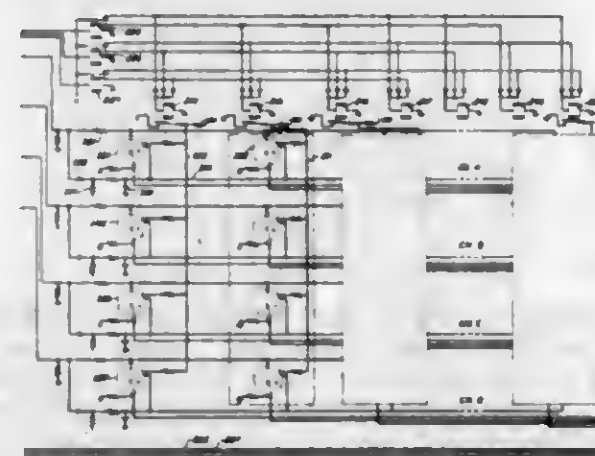
In an interpolated speech transmission system, subscriber lines, a lesser number of trunk circuits, a voice-operated switch per subscriber line, a plurality of gas-filled discharge devices arranged in a coordinate array of vertical columns and horizontal rows, there being one column per line and one row per trunk circuit, a single one of said discharge devices being positioned at each cross-point and comprising at least an anode electrode and a cathode electrode, means controlled by the switch of any line for supplying anode voltage to the anode electrodes of all discharge devices in the respective column for the duration of a speech spurt received over the respective subscriber line, the anode-cathode circuit of each device in the same vertical column containing a common anode load resistor, the anode-cathode circuit of each device in the same row including a common cathode load resistor and in series therewith an

individual cathode resistor, a plurality of grid-controlled discharge tubes equal in number to and individual to said discharge devices, a relay individual to and operated by each tube for extending a talking connection between an individual line and an appropriated trunk circuit, and an actuating circuit for each tube comprising a connection from the grid of such tube to the cathode of the corresponding discharge device.

2,629,021

COORDINATE SWITCHING AND LOCK-OUT CIRCUIT IN INTERPOLATED SPEECH RECEIVING SYSTEM

Donald D. Robertson, Morristown, and Alphonse V. Wurmser, Mount Bethel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1950, Serial No. 201,631
5 Claims. (Cl. 179-18)



1. In combination a plurality of gas-filled thermionic discharge devices arranged in a coordinate array of vertical columns and horizontal rows crossing each other in which a single one of such devices is located at each cross-point, each of said devices including an anode, a cathode and a first and second grid electrode, a lock-out circuit connected to the anode electrode of each such device in a respective horizontal row, a lock-out circuit connected to the second grid electrode of each such device in a respective vertical column, means to apply anode potential to the anode electrodes of said devices row by row and means for supplying a short positive voltage pulse to the first grid electrode of each such device in a row coincident with the application of potential to the anode electrode of said device.

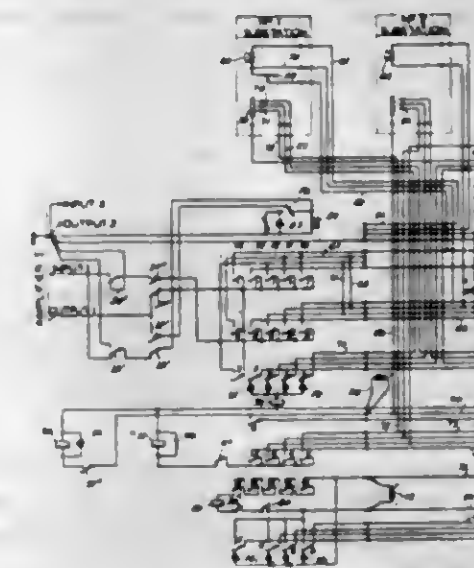
2,629,022

INTERCOMMUNICATION TELEPHONE SYSTEM

Harry G. Wall, London, England, assignor to Modern Telephone Corporation, New York, N. Y., a corporation of New York
Application January 7, 1950, Serial No. 137,307
11 Claims. (Cl. 179-37)

1. In an intercommunicating telephone system, at least one master station, at least one substation, at each of the stations a loudspeaker, an amplifier having input and output terminals, a first talk-listen relay for each master station, a second talk-listen relay for each master station, a circuit therefor, means including a make contact of the first relay for controlling said circuit, a switchable connection between the loudspeakers and the input and output terminals of the amplifier, and contacts of said first and

second relays operable to switch the connection of the loudspeaker at a master station from the

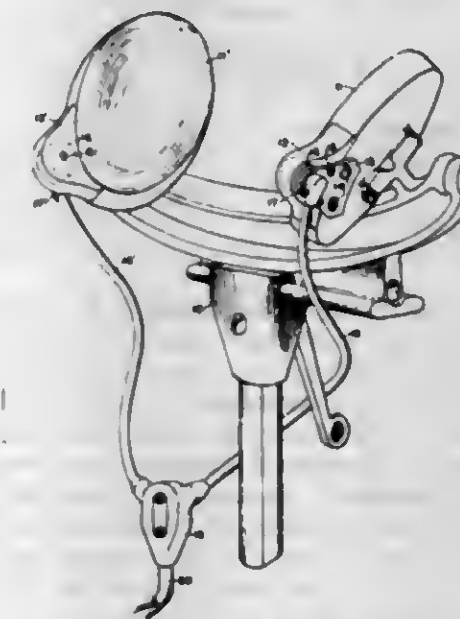


input to the output of the amplifier and vice versa.

2,629,023

SOUND REPRODUCER ATTACHMENT FOR HEADRESTS

George A. La Fitte, Atlanta, Ga.
Application December 9, 1949, Serial No. 131,947
4 Claims. (Cl. 179-146)



1. An attachment for a headrest for supporting a human head comprising a body provided with an inner recess, an electrical sound reproducer positioned within said recess, and means for attaching said body to the lower front portion of the outer periphery of said headrest to form an external abutment thereon so that said sound reproducer is automatically positioned in proximity to and pressed substantially against the mastoid bone in a human head supported naturally upon said headrest.

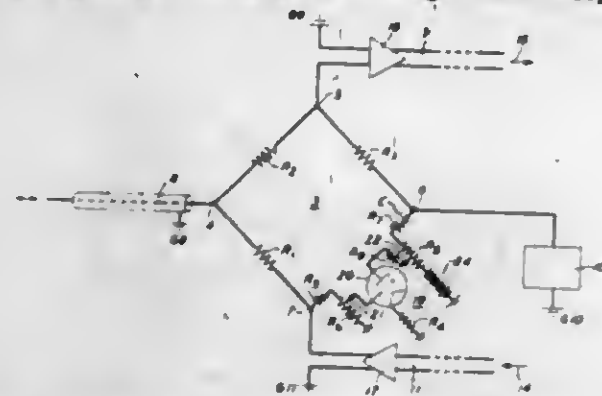
2,629,024

UNBALANCED-TO-GROUND TWO-TO-FOUR-WIRE CONNECTION

Paul G. Edwards, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1950, Serial No. 203,276
15 Claims. (Cl. 179-170)

1. In combination, four impedance arms connected together to form a four-terminal bridge and an unbalanced-to-ground, two-way wave

transmission circuit, an unbalanced-to-ground input circuit, an impedance approximately matching the impedance of said transmission circuit, and an unbalanced-to-ground output circuit.



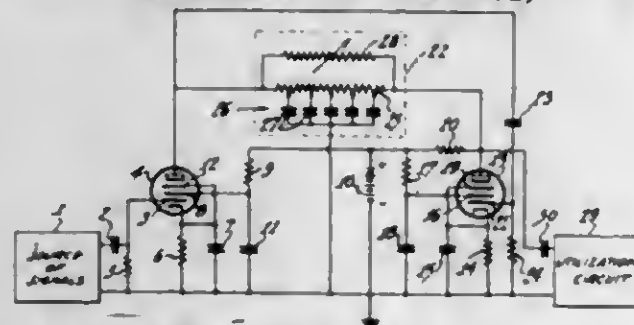
circuit connected, respectively, to the terminals of said bridge in the order recited, one of said arms including means for reversing the phase of the current therein.

2,629,025

HIGH GAIN SELECTIVE SIGNAL AMPLIFIER SYSTEM

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 29, 1949, Serial No. 90,292
10 Claims. (Cl. 179-171)



1. A high gain selective signal amplifying system, comprising a signal amplifier stage having input and output circuits, a load circuit connected in shunt with said amplifier stage including an electronic tube having an anode, a cathode and a control grid, feedback means comprising a regenerative network having a resistive element thereof serially connected, between said anode and said control grid, a degenerative network shunting said regenerative network, said regenerative network being of a character tending to produce oscillatory operation of said tube at a predetermined frequency, said degenerative network being effective to prevent oscillatory operation of said tube, means for connecting a source of signal-modulated carrier waves having said predetermined frequency to the input circuit of said amplifier stage, means coupling the output of said amplifier stage to said control grid, the space current source for said amplifier stage coupled through said resistance element of said regenerative network, and an impedance element coupling said space current source to the anode of said tube and means for connecting a utilization circuit to said anode.

2,629,026

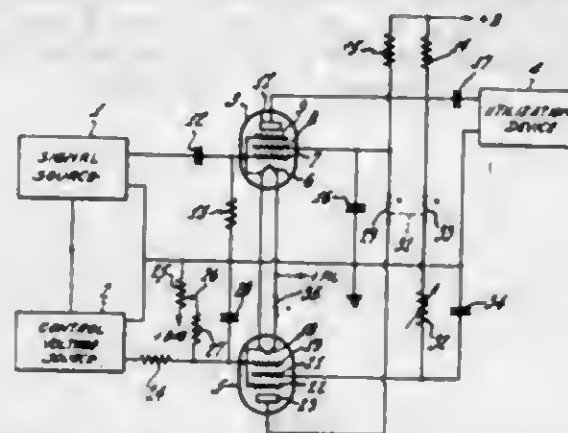
MUTING SYSTEM FOR SIGNAL AMPLIFIERS

Joseph R. Kligore, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 28, 1949, Serial No. 96,032
7 Claims. (Cl. 179-171)

1. In a signal amplifying system, a signal amplifying electronic tube and a muting electronic

tube, each of said tubes having a cathode electrode, a control electrode, a screen electrode and an anode electrode, means for connecting the control electrode of said signal amplifying tube to a source of variable amplitude signals, circuit means supplying anode-to-cathode current to said tubes to develop voltages at said anode electrodes varying in magnitude in response to amplitude variations of the anode-to-cathode currents in the respective tubes, respective circuit means cross-connecting the anode electrodes of each of said tubes to the screen electrodes of the other of said tubes and effective upon current conduction in either of said tubes to prevent current conduction in the other of said tubes, a source of automatic gain control voltage, a first circuit means coupled between said automatic



gain control source and the control electrode of said muting tube effecting upon application thereto of a control voltage having a magnitude and polarity representative of signals of less than a predetermined amplitude space current conduction in said muting tube, and second circuit means coupled to the control electrode of said muting tube effective upon application thereto of a control voltage having a magnitude and polarity representative of signals of greater than said predetermined amplitude the interruption of space current conduction in said muting tube, whereby to render said amplifying tube completely unresponsive to signals of less than said predetermined amplitude and completely responsive to signals of greater than said predetermined amplitude.

2,629,027

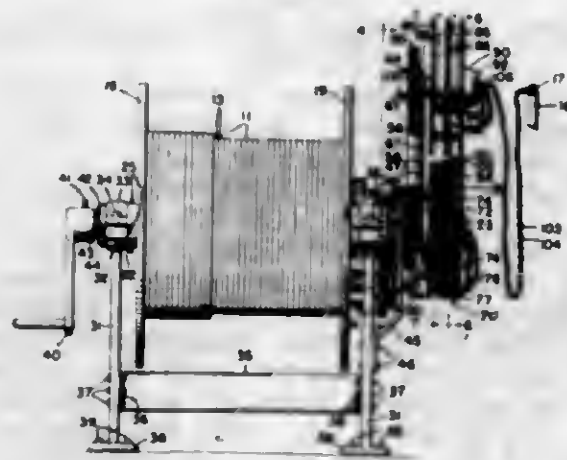
WINDING AND REELING MECHANISM FOR ELECTRICAL CABLES

Alvin R. Platt, Burbank, Calif.

Application November 15, 1945, Serial No. 628,951

13 Claims. (Cl. 191-12.2)

(Granted under Title 35, U. S. Code (1952), sec. 266)



1. In an electrical system of the character disclosed, the combination of a pair of electrical de-

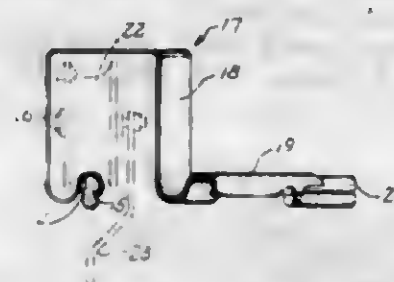
vices adapted to be spaced variably relative to each other, means comprising an electrical conductor between said electrical devices, first and second reels having a portion of said conductor trained therebetween and having variable lengths of said portion of the conductor wound thereabout selectively as the electrical devices are spaced variably relative to each other, means for rotating said first reel about its axis of rotation in either direction selectively as the electrical devices are moved relatively toward or away from each other, and means for producing substantially transitory movement of said second reel about the axis of the first reel in the same direction therewith and at one half the speed of rotation thereof as the first reel rotates.

2,629,028

SPLIT TROLLEY WIRE FROG OR SWITCH

Lawrence H. Hawkes, Cannelton, W. Va., assignor of forty per cent to John W. Nitz, Cannelton, W. Va.

Application October 11, 1948, Serial No. 53,802
11 Claims. (Cl. 191-38)



1. In a split trolley wire frog, a horizontally-disposed metallic member, a first clamp arranged on one end of said member for receiving an end of a trolley wire, a second clamp arranged angularly with respect to said first clamp and projecting from the other end of said member for receiving an end of a trolley wire, a U-shaped bracket having a leg secured to said second clamp for the passage therebeneath of a trolley slide, a third clamp remote therefrom arranged in alignment with said first clamp and secured to a second leg of said bracket for receiving an end of a trolley wire, and a semi-cylindrical loop formed in said horizontally-disposed member intermediate of and in alignment with said first and third clamps, and said loop is adapted at times for guiding a trolley slide from said first clamp to said third clamp.

2,629,029

ELECTRIC LOCK STRUCTURE

Walter Raphael, New York, N. Y., assignor of one-half to Bernard Bergman, New York, N. Y.

Application September 26, 1951, Serial No. 248,389
4 Claims. (Cl. 200-45)



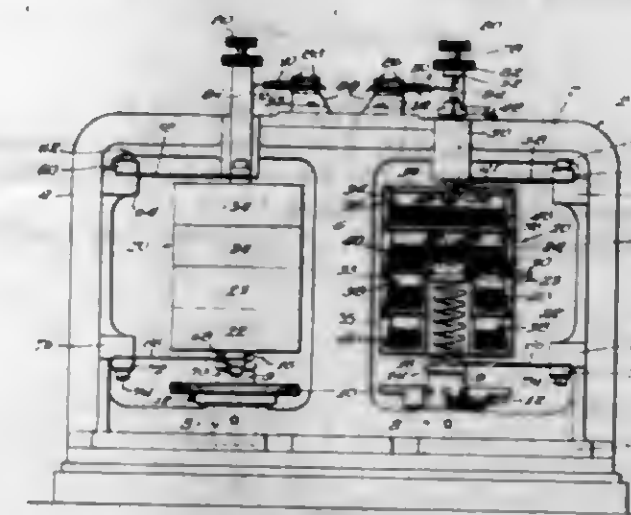
1. In a lockable electric switch, a hollow casing, a plurality of indexed discs having cams and being rotatable within the casing but projecting partly therefrom to facilitate their individual manual operation, a toggle switch operative in the casing with its handle projecting above the latter and a plurality of spring-loaded elements adapted for engagement by said cams, a switch detent governed by the position of said elements,

the positioning of said elements being controlled by the setting of said discs for either causing said detent to assume a switch-clearing position, thus allowing free operation of said toggle switch or causing the detent to move into the operating path of the switch, thus arresting the switch in its circuit-opening position.

2,629,030

ACCELEROMETER

Russell C. Taylor and Le Roy J. Vincent, Granite City, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 22, 1949, Serial No. 108,238
6 Claims. (Cl. 200-52)



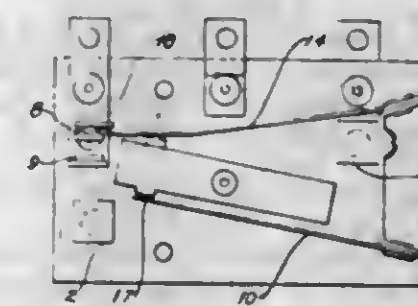
1. In switching means for an accelerometer having a frame, a movable acceleration sensing mass, stops on the mass and a member of the frame, and spring means reacting against the frame and mass for urging said stops into engagement; the combination of an opening in the frame member, pin means connected at one end thereof to the mass stop and sleeved through said opening, a bridge secured to the mass and embracing said frame member, switch contacts carried by said member and bridge, said contacts being spaced when said stops are engaged with each other, and said contacts being engageable with each other when the mass stop moves away from the member stop, and an abutment on said pin at the other end thereof engageable with the frame member to limit movement of the mass stop away from the frame stop.

2,629,031

ELECTROMAGNETIC SWITCH

Edwin C. Ballman, Clayton, Mo., assignor to Ballman Engineering Company, Clayton, Mo., a corporation of Missouri

Application August 17, 1946, Serial No. 691,360
6 Claims. (Cl. 200-87)



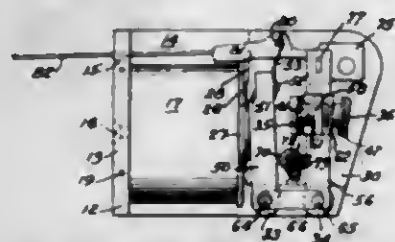
1. A switch of the character described comprising means including a core for setting up a magnetic field, said core having a pair of laterally projecting poles, an armature pivoted at its center between said poles for movement into

said field, said poles and said armature being so formed and positioned with respect to one another that the end faces of said armature first approach and then move away from the adjacent faces of said poles to vary the strength of said field during such movement, said field operating on said armature as it moves into said field to apply a rapidly rising followed by a rapidly falling torque, a main spring mounted to bias the said armature away from the field, an auxiliary spring mounted to bias the said armature toward said field through a part of the travel of said armature but with less torque than said main spring, and contacts normally held apart by said armature and biased to meet when said armature is at the limit of its travel toward said field.

2,629,032

SCALE CONTROL SWITCH

Robert B. Brown, San Francisco, Calif., assignor to T. R. Mantes, doing business as T. R. Mantes Company, San Francisco, Calif.
Application October 31, 1947, Serial No. 783,399
12 Claims. (Cl. 200-87)



1. A control switch, including in combination an electromagnet, an armature pivoted nearby to be attracted to said electromagnet, a fork on the moving end of said armature, a pivoted switch arm mounted nearby said armature and generally parallel to it, a lever pivoted to the moving end of said switch arm and extending between and beyond said fork, a pin passing through said lever near said fork and engageable by it, said pin being above the pivot point of said lever, a pawl on said lever, a latch bar adapted to be engaged by said pawl when said lever is pulled forward, a spring engaging said switch arm to retract said lever when said pawl is unlocked from said latch bar, and switch contacts engaged by said switch arm in its two positions, said spring urging said arm normally against one of said switch contacts, said electromagnet when energized moving (by means of the above-described linkage) said arm against the other switch contact, and said bar and pawl holding said arm in this position after de-energization of said electromagnet, until said pawl is disengaged from said bar.

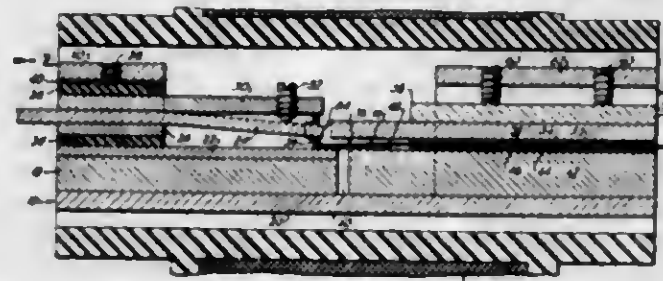
2,629,033

MEANS FOR DAMPING ELECTRO-MECHANICAL VIBRATOR REEDS

Joseph B. Dale, Rockville Centre, N. Y., assignor to Servomechanisms, Inc., Mineola, N. Y., a corporation of New York
Application April 27, 1950, Serial No. 158,398
2 Claims. (Cl. 200-90)

2. An electromechanical vibrator comprising an elongated hollow housing of non-magnetic material, a permanent magnet mounted in one end of the housing, a contact supporting member including a fixed contact mounted in said one end of the housing in spaced relation to and overlying the magnet, a reed including a contact on its free end mounted in the other end of the

housing with the free end of the reed overlapping the magnet and its contact in operative relationship with said fixed contact, and a pair of parallel members spaced equidistantly on each side of the reed to confine the air in and about the reed during the vibration thereof.

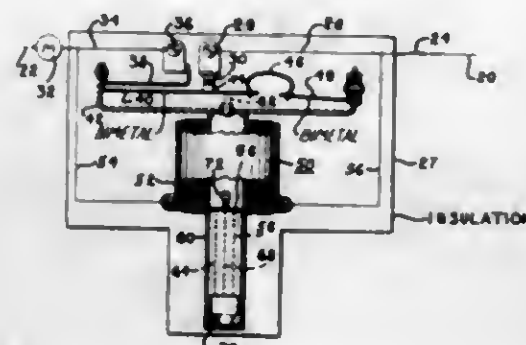


1. A current overload protector for an electric circuit having an independent quick tripping mechanism and an independent slow resetting mechanism timed entirely independent of the tripping mechanism including a snap acting toggle switch means having a toggle means for biasing it into either the open or closed position, said switch means including current responsive means responsive to an overload in said circuit for causing movement from the closed to the open position upon a quantitative current flow, and a current operated timing means normally disconnected from said switch means and said current responsive means and connected only for moving said switch means from the open position to the closed position, said timing means having a timing arrangement energized in response to the opening of said switch means for timing the movement of said switch means from the open to the closed position entirely independently of the tripping time.

2,629,034

ELECTRICAL APPARATUS

Marshall C. Harrold, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 2, 1951, Serial No. 229,585
8 Claims. (Cl. 200-122)



1. A current overload protector for an electric circuit having an independent quick tripping mechanism and an independent slow resetting mechanism timed entirely independent of the tripping mechanism including a snap acting toggle switch means having a toggle means for biasing it into either the open or closed position, said switch means including current responsive means responsive to an overload in said circuit for causing movement from the closed to the open position upon a quantitative current flow, and a current operated timing means normally disconnected from said switch means and said current responsive means and connected only for moving said switch means from the open position to the closed position, said timing means having a timing arrangement energized in response to the opening of said switch means for timing the movement of said switch means from the open to the closed position entirely independently of the tripping time.

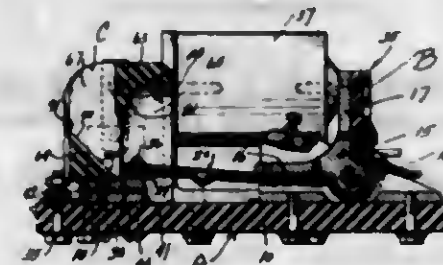
2,629,035

MAGNETIC BLOWOUT CONSTRUCTION AND SHIELD

Paul V. Yingst, Norwood, Ohio, assignor to The Post-Glover Electric Company, Cincinnati, Ohio, a corporation
Original application February 12, 1948, Serial No. 7,893. Divided and this application December 30, 1949, Serial No. 135,942
8 Claims. (Cl. 200-147)

2. In a permanent magnet and arc chute for circuit interrupters the combination of a sub-

stantially U-shaped permanent magnet including a base and magnetic pole pieces in spaced relation connected therewith and extending normal thereto, an arc chute of insulation material including side walls, a rear wall and a top wall, the side walls being spaced to define a compartment opening at the front of said chute, said side walls being recessed upwardly from the bottom ends thereof and also laterally at the outer sur-

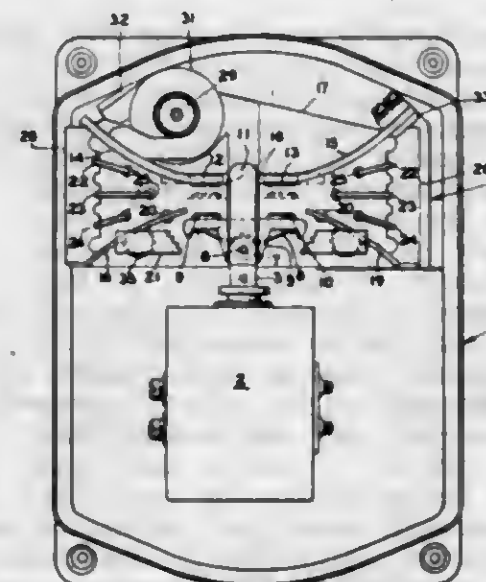


faces thereof for receiving the base and pole pieces of the permanent magnet, the rear wall of the arc chute being provided with a discharge opening for said compartment, said rear wall having a surface defining a portion of said opening extending from the base of the permanent magnet in upwardly and rearwardly sloping relation to said rear wall opening and in direct facing relation with the arc zone of said compartment.

2,629,036

CIRCUIT BREAKER

Robert L. Brown, Leonia, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application March 16, 1950, Serial No. 150,087
6 Claims. (Cl. 200-147)

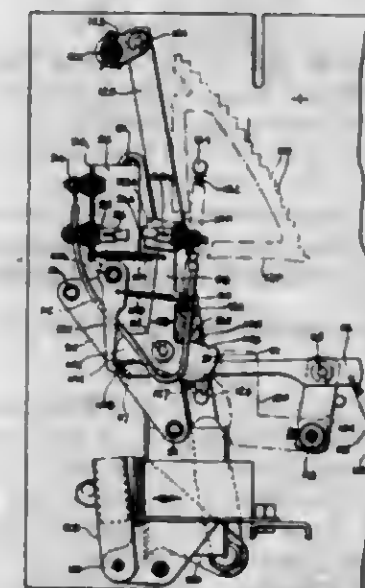


1. In a circuit interrupter, a pair of stationary contacts spaced apart from each other, movable contact means for bridging said contacts, a first pair of opposite extending outwardly flared arc horns, the inner ends of said arc horns engaging said stationary contacts, a second pair of oppositely extending outwardly flared arc horns positioned opposite from said first arc horns, the inner ends of said second arc horns being adjacent to said bridging means, means for connecting the outer ends of said second arc horns together electrically, and magnetic means including a coil in series with said contacts to bias an arc that may be formed between said contacts and said bridging means outward along said arc horns thereby to increase the arc length.

2,629,037

ELECTRICAL SWITCH

Ivan G. O. Brown, Yate, England, assignor to The British Vacuum Cleaner and Engineering Company Limited, Leatherhead, England, a British company
Application September 8, 1950, Serial No. 183,876
In Great Britain May 4, 1949
3 Claims. (Cl. 200-169)



1. A switch mechanism comprising a fixed contact carrying member, a pivot thereon, a movable contact carrying member pivotally mounted on said pivot and consisting of an upper arm carrying a contact and a pair of lower arms projecting respectively from opposite sides of the pivotal axis of the movable contact carrying member, resilient means urging the movable contact carrying member to engage the contact thereon with the fixed contact, a pivoted sear having means urging it toward engagement with the lower arm at one side of the pivotal axis of the movable contact member to normally restrain the latter member from engaging the movable contact with the fixed contact, an actuating member positioned to act on the sear to trip it and thereby cause engagement of the movable contact with the fixed contact under the influence of said resilient means, and an operating member engageable with the lower arm of the movable contact carrying member at the opposite side of its pivotal axis and operative to rock the movable contact carrying member into position to disengage the movable contact from the fixed contact and for re-engagement of the sear with the movable contact carrying member to hold the movable contact in open circuit position.

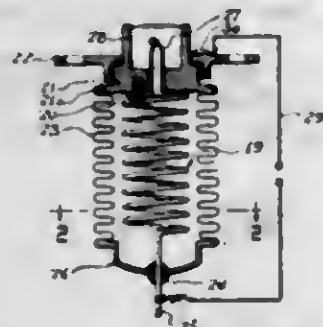
2,629,038

STRAIN-SENSITIVE ELECTRICAL DEVICE AND SYSTEM THEREFOR

John J. Dietz, New Milford, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 16, 1949, Serial No. 99,478
4 Claims. (Cl. 201-48)

1. A strain-sensitive resistance device comprising a temperature-responsive electrical resistance element having adjacent portions folded back on itself and having the capability of being flexed to vary the separation between said adjacent portions whereby to vary the effective exposure area of the element to the surrounding ambient, a sealed enclosure about said resistance element having relatively movable walls, means connecting said walls to different portions of said resistance element to cause flexure of the latter

as the walls are relatively moved, said resistance element being adapted to be connected across a source of electrical energy and to be heated by



current flow therethrough, and terminal means connected to the ends of said resistance element and extending beyond said enclosure.

2,629,039

SELENIUM CELL AND PROCESS FOR MANUFACTURING THE SAME

George H. Shoemaker, Brooklyn, N. Y., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application June 7, 1950, Serial No. 166,701
10 Claims. (Cl. 201-63)

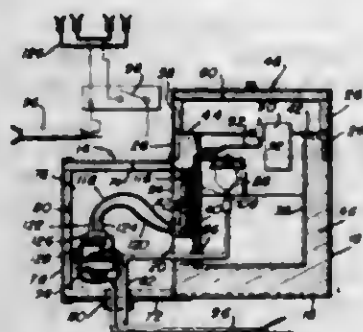


1. In the manufacture of a selenium cell, the process which comprises applying amorphous selenium to an electrode, and converting the amorphous selenium to crystalline selenium by the steps of heating the selenium-electrode assembly quickly to a temperature of the order of 180° to 200° C., substantially immediately imposing upon the so-heated selenium-electrode assembly an initial molding pressure sufficient to render the selenium momentarily fluent at the existing temperature, and increasing the pressure on the so-heated selenium-electrode assembly as the volume of the selenium contracts with progressive crystallization.

2,629,040

HOG WATERING TANK

Henry A. Smith, Mechanicsburg, Ohio
Application May 6, 1952, Serial No. 286,337
3 Claims. (Cl. 219-38)



3. A hog watering tank comprising a housing, a water tank disposed within said housing and insulated therefrom, heater means for said tank, a thermostat for controlling said heater means, said housing having a top including a central

portion extending upwardly above side portions thereof, said side portions being in the form of a plate hingedly connected to said central portion for providing access to said tank, a valve means for controlling the flow of water into said tank, said valve means being disposed in the upper part of said tank and beneath said central portion, transversely extending guards mounted with said tank in vertical alignment with the sides of said central portion.

2,629,041

COMBINATION OIL GAUGE AND HEATER

Raymond Fein and Jerome Wiener, Brooklyn, N. Y.
Application May 13, 1952, Serial No. 287,479
5 Claims. (Cl. 219-38)



1. In a combination oil gauge and heater for simultaneously measuring and heating crankcase oil, an elongated casing member comprising an upper component and detachably secured thereto a lower component, a handle attached to the upper component, an electrical heating element disposed in the lower component, contact terminal elements on the upper component adjacent the said handle, an upper pair of electric connector elements at the bottom of said upper component, a lower pair of connector elements at the top of said lower component and in electrical contact with said upper pair of connector elements when said two casing components are in operatively engaged relation, said upper pair of connectors being electrically connected to said terminal elements, said lower connector elements being electrically connected to said heating element, and releasable locking means enveloping the engaged portions of the said upper and lower components and holding them together when in operatively engaged relation.

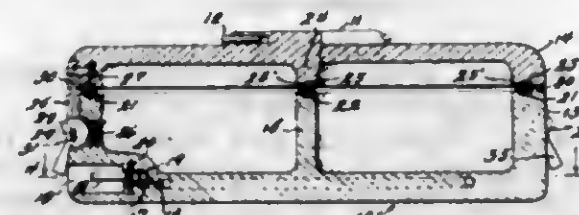
2,629,042

PORTABLE FOOD CONTAINER HAVING AN ELECTRIC HEATING ELEMENT

William H. Burleyson, Baltimore, Md.
Application December 29, 1949, Serial No. 135,808
2 Claims. (Cl. 219-44)

1. A container for transporting food and for heating same, comprising a body portion having interior food receiving cavities and having two external recesses in one of the body sides, a lid for the body portion, an electric heating element sealed within a wall of said body portion

and connected to electrical connecting members seated and exposed within one of said external recesses of the body portion, an adjustable fastener operable to secure the lid on and release the lid from the body portion, said fastener having a part seated in the other exterior recess of the body portion and having an



operating finger tab so positioned as to partially cover and block access into the said exterior recess of the body member in which the electrical connecting members are exposed when the fastener is in lid securing adjustment, and to unblock said last mentioned recess when the fastener is in lid releasing adjustment.

2,629,043

ILLUMINATED MESSAGE CASE

John F. Holtje, New York, N. Y.
Application December 22, 1947, Serial No. 793,177
6 Claims. (Cl. 240-6.4)
(Granted under Title 35, U. S. Code (1952), sec. 266)

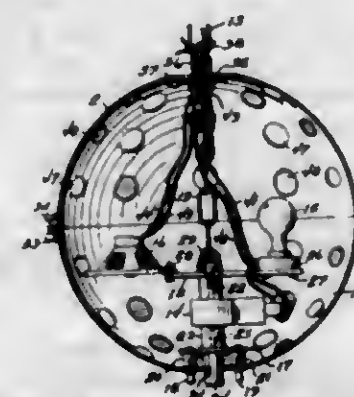


3. The combination with an inclosed case, said case being opaque except for a plane writing surface translucent over its entire area and forming a wall portion of said case, of a discrete translucent sheet extending completely over and in contact with said writing surface and separable as a unit therefrom, said sheet having an opaque removable film completely covering its exposed outer surface, and illuminating means in said case.

2,629,044

HOLLOW REVOLVING ILLUMINATED SPOTLIGHT SPHERE

John Marfisi, Omaha, Nebr.
Application May 17, 1951, Serial No. 226,866
2 Claims. (Cl. 240-10.1)



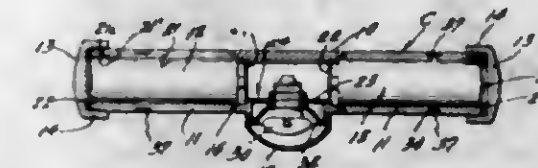
1. In a spotlight sphere, the combination which comprises a substantially hollow spherical shell having an upper semi-spherical section and a lower semi-spherical section, each of said sections having centrally disposed openings therein and spaced openings, which are provided with lenses of different colors in the walls thereof, a

chain extended downwardly into the shells through the opening in the center of the upper section thereof, a bracket carried by the said chain, a light positioned on the said bracket, a motor carried by the bracket, a horizontally disposed bar carried by the motor and adapted to be rotated thereby, and means removably attaching the lower section of the shell to the said bar.

2,629,045

FLASHLIGHT HAVING A CENTRAL ADJUSTABLE LAMP CARRIER

Gus R. Frohlich, Los Angeles, Calif.
Application October 27, 1949, Serial No. 123,967
1 Claim. (Cl. 240-10.67)



In a flashlight, an elongated tubular body formed of separable interconnected end and intermediate sections, an open cylindrical neck portion projecting laterally from the center of said intermediate section, a U-shaped member of sheet metal having circular end portions interconnected by a straight central portion fitted within said intermediate section with the central portion extending across the inner open end of said neck portion, an annular flange encircling an aperture formed in the center of said central portion and constituting a socket for a lamp bulb, a reflector encircling said lamp bulb and supported on the base thereof, a concavo-convex lens seated over the outer end of said neck portion, an electric cell housed within each of said end sections, a metal conductor extending through the body between the bottoms of said cells, the positive electrodes of said cells bearing against the said circular end portions of the member, a resilient switch element disposed in contact with said conductor, means for moving said switch element into and out of contact with the center contact of the base of the lamp bulb, and a bracket carried by each of said end sections to support the body in a fixed position of use, said intermediate section being slip jointed to the adjacent ends of said end sections whereby it may be turned relatively to the end sections to vary the angular direction of the light beam from said lamp bulb and the reflector.

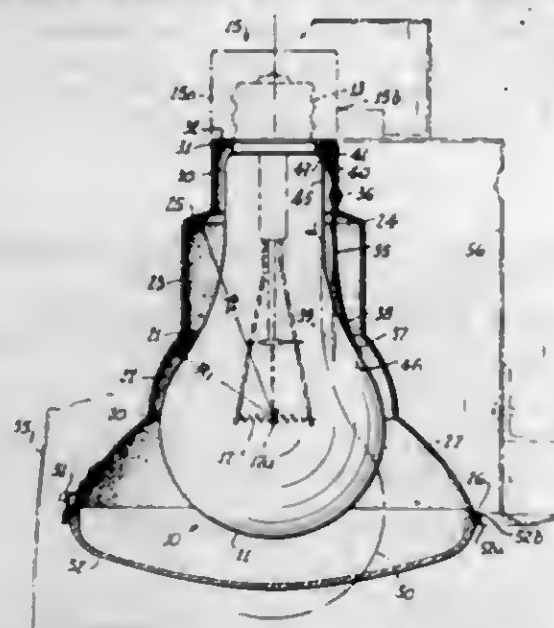
2,629,046

LAMP SUPPORTED REFLECTOR UNIT

Milton Liberman, Brooklyn, N. Y.
Application January 3, 1951, Serial No. 204,111
6 Claims. (Cl. 240-10.3)

6. In an electric lamp supported reflector unit, the combination which comprises an electric lamp socket having an outwardly-facing edge, a pear-shaped electric lamp mounted in said socket and having a bulbous body with a lighting filament at approximately the center thereof and a substantially cylindrical neck, and a reflector closely surrounding said electric lamp and held against the outwardly facing edge of the socket, said reflector having an elongated reflective cylindrical surface surrounding the neck of said electric lamp, a spherical reflective surface joined at one end to the said cylindrical surface and forming a portion of a sphere surrounding and being close to the upper part of the bulbous body of said electric lamp, a narrow

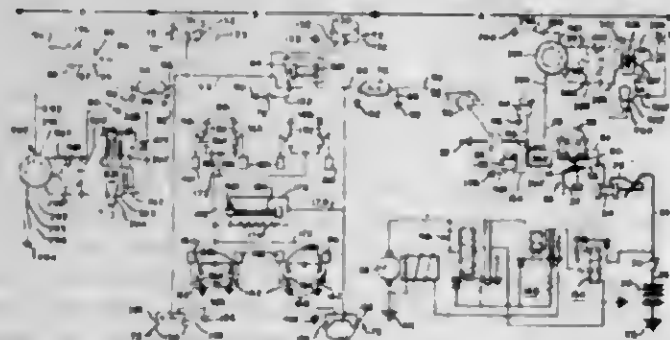
annular curved reflective surface joined to the other end of said cylindrical surface and extending laterally close to the neck of said lamp



to reflect light rays emitted by said filament outwardly, and a parabolic reflective surface joined to the end of said spherical reflective surface to reflect light rays coming from said lamp.

2,629,047

ELECTRICAL CONTROL SYSTEM FOR OVER-HEATED BEARINGS ON TRAINS
Leslie Day, Chicago, Ill., assignor of one-half to Lamar L. Day, St. George, Staten Island, N. Y.
Application September 6, 1947, Serial No. 772,489
7 Claims. (Cl. 246-169)

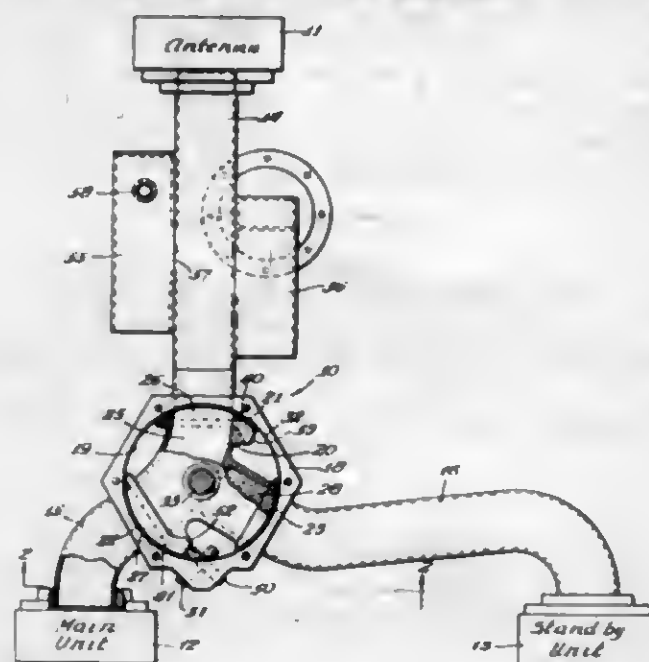


4. In an electrical system for controlling the application of the brakes of railroad trains and the like having journal boxes, said trains also having an automatic brake system including means for directly controlling said automatic system: a main control system including a source of power; electrically operable means for controlling the means for directly controlling the automatic system; an electrical alarm signal; a main switch having a contact for connecting the source of power with the alarm signal and a contact for connecting said source of power with said electrically operable means; a control circuit extending substantially the length of the train; electrically actuated means connected with the control circuit and adapted to be controlled thereby, said electrically actuated means being adapted to actuate the main switch to connect the source of power with the alarm signal when energized from said source by power of a predetermined value and to actuate said main switch to connect said source of power with the electrically operable means when energized from said source by power of another predetermined value; a control circuit switch for said control circuit; a thermostatic element for controlling said control circuit switch, said thermostatic element being positioned adjacent a journal box of the train

so as to be responsive to the temperature thereof; a resistance element interposed between the control circuit switch and said control circuit; a resistance element cut out switch; and a temperature responsive device, responsive to the temperature of said resistance element, for controlling said cut out switch.

2,629,048

APPARATUS FOR SELECTIVELY INTER-CONNECTING WAVE GUIDES
Edwin Dyke, Brookfield, and Richard Y. Hoffman, Jr., Northbrook, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application April 7, 1950, Serial No. 154,696
16 Claims. (Cl. 250-17)



1. In a microwave communication system which includes a main unit, a standby unit and an antenna, wave guide means for selectively connecting said main unit and said standby unit to said antenna comprising in combination, a stationary housing having a cavity therein, a plurality of wave guide branches individually connected to said units and said antenna and symmetrically positioned about said housing in communication with said cavity therein, a rotor within said cavity having a passage therethrough with outlets at either end, said rotor having a recess therein spaced from said outlets, said outlets and said recess being symmetrically positioned about the outside of said rotor, means mounting said rotor in said housing for movement from a first position in which said passage interconnects said wave guide branches connected to said antenna and said main unit and said recess is adjacent said wave guide branch connected to said standby unit, to a second position in which said passage interconnects said wave guide branches connected to said antenna and said standby unit and said recess is adjacent said wave guide branch connected to said main unit, and wave absorbing means in said recess forming a matched impedance termination for the wave guide branch connected thereto.

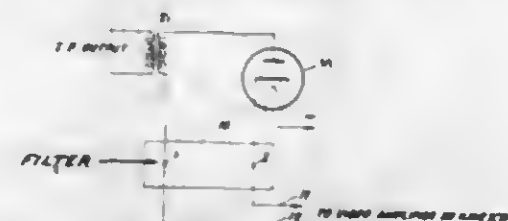
2,629,049

FILTER

John M. Miller and Bernard Salzberg,
Washington, D. C.
Application March 2, 1942, Serial No. 432,992
5 Claims. (Cl. 250-20)
(Granted under Title 35, U. S. Code (1952),
sec. 266)

2. Means for receiving a radiated signal comprising a regular series of discrete radio fre-

quency pulses with a high degree of discrimination against noise and interference, which comprises means for demodulating said signal, a transmission channel receiving the demodulated signal, means shunting the transmission channel presenting to the demodulated signal components

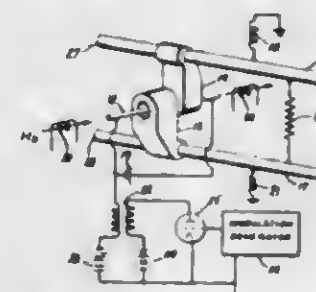


a frequency selective impedance which is high with respect to each of a selected multiplicity of significant components of the frequency spectrum of the demodulated pulse signal and low with respect to every other frequency, and terminal signal utilization means receiving said signal only from said channel.

2,629,050

VARIABLE ELECTRONIC CAPACITANCE DEVICE

Phillip H. Peters, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 22, 1950, Serial No. 175,462
3 Claims. (Cl. 250-27)



1. A variable electronic capacitance device adapted to be utilized as a capacitance element in an electrical circuit comprising a cylindrically shaped cathode, a pair of cylindrical anodes surrounding said cathode coaxial therewith and spaced therefrom, said anodes being spaced from each other along the axis of said cathode, means establishing a magnetic field in the space between said anodes and said cathode parallel to the axis of said cathode, means establishing a direct current potential difference between said anodes and said cathode whereby an electron cloud of substantially cylindrical shape is created between said cathode and said anodes, and means for varying the potential between said cathode and said anodes to vary the diameter of said electron cloud and the capacitance between said anodes.

2,629,051

ANTENNA

Nils E. Lindenblad, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 25, 1945, Serial No. 612,685, now Patent No. 2,573,460, dated October 30, 1951. Divided and this application August 18, 1950, Serial No. 180,108
9 Claims. (Cl. 250-33.63)

1. An antenna structure including a conductive walled box having an elongated slot in one wall thereof coupling the interior of said box to surrounding space, said box and said slot having dimensions at which said antenna is tuned to

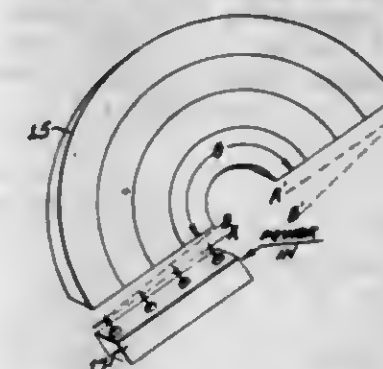
resonance at the operating frequency to produce standing electrostatic and electromagnetic waves in the interior of said box, means to couple a radio frequency energy transducer to said antenna structure, said means comprising a coaxial transmission line having a sheath conductor terminating at a conductive wall of said box and an inner conductor extending into the



2,629,052

SCANNING ANTENNA

Harley Iams, Venice, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application December 12, 1947, Serial No. 791,178
3 Claims. (Cl. 250-33.63)



1. A radio antenna for providing a beam whose direction varies with variation in frequency of energy applied thereto, including a hollow waveguide filled with insulating material having a dielectric constant substantially greater than unity, a series of radiator apertures in the wall of said waveguide, spaced apart from each other in the direction of propagation of energy along said guide, and an array of further waveguides, one end of each of said further waveguides being positioned with respect to the corresponding ends of the others of said further waveguides so that said ends lie in a line parallel and adjacent to the line of said radiator apertures, and the other ends of said further waveguides being similarly positioned with respect to each other to define a second line, the length of each of said further waveguides differing from those of its neighbors by a predetermined amount.

2,629,053

DETONATION METER CALIBRATOR

Deslonde R. de Boisblanc, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 15, 1948, Serial No. 14,877
7 Claims. (Cl. 250-36)

1. A detonation meter calibration device comprising, in combination, a multivibrator circuit

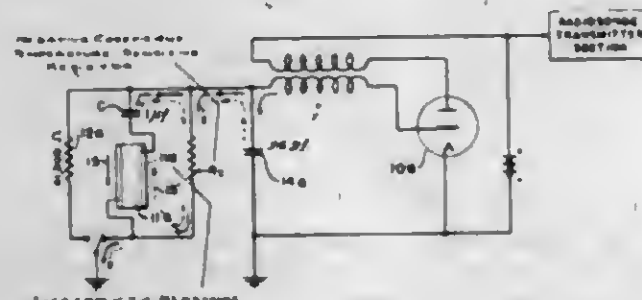
including a pair of resistance-capacitance units, the time constant of one unit being adjusted to produce a rectangular wave and the time constant of the other unit being selected so as to produce a pulse at the end of each rectangular wave, a damped resonant circuit tuned to a frequency such that one quarter cycle of the al-



ternating voltage wave produced thereby is of equal duration to said rectangular wave, means for feeding the rectangular waves to said resonant circuit to provide a succession of voltage waves, means for differentiating said exponential pulses, and a mixing circuit for superimposing the differentiated pulses directly upon the respective voltage waves.

2,629,054 COMPENSATED HUMIDITY-MEASURING CIRCUIT

Leo S. Craig, Shrewsbury, N. J.
Application September 5, 1950, Serial No. 183,224
9 Claims. (Cl. 250-36)
(Granted under Title 35, U. S. Code (1952), sec. 266)



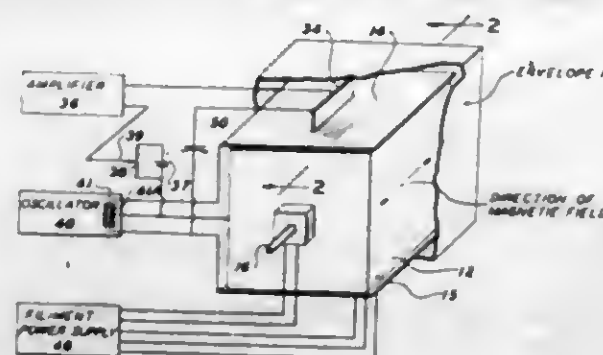
1. The combination with a compensated humidity-measuring circuit of the character described and comprising a relaxation-oscillator tube having a grid, a resistor and a condenser connected to said grid to determine the frequency of operation of said tube, said resistor serving as a discharge path for said condenser; of a second condenser connected to said grid to charge and discharge simultaneously with said first-named condenser, and a humidity element connected in series with said second condenser.

2,629,055 MASS SPECTROMETRY

Charles F. Robinson, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application June 22, 1950, Serial No. 169,689
6 Claims. (Cl. 250-41.9)

1. In a mass spectrometer having an analyzer chamber, means for ionizing a gas admitted to the chamber, means for establishing an alternating electrical field across the space defined by the chamber, means for producing a magnetic field across the space normal to the electrical field,

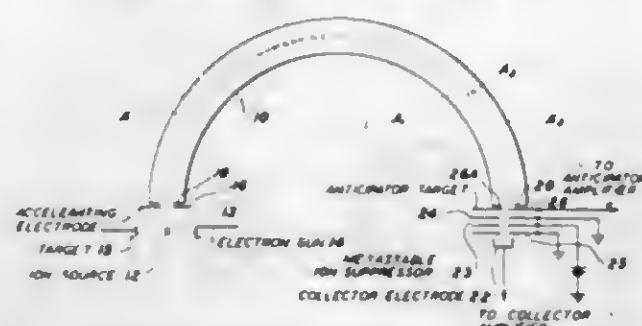
and a collector electrode disposed in said space in the path of ions having a resonant frequency corresponding to the frequency of the alternating field, the improvement comprising means for bias-



ing said collector electrode, and means for varying said bias to repel from the collector electrode ions having less than a predetermined minimum kinetic energy.

2,629,056 VOLTAGE SENSITIVE CIRCUIT

Paul S. Goodwin, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application October 12, 1951, Serial No. 251,092
30 Claims. (Cl. 250-41.9)



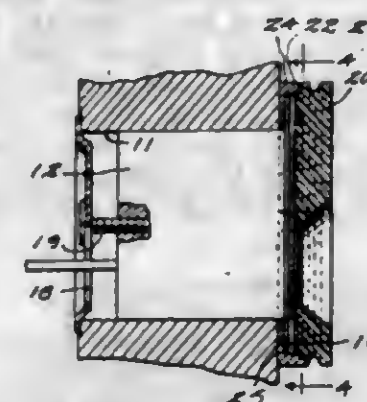
1. In a mass spectrometer having a source of ions, means for segregating the ions in accordance with their mass-to-charge ratio, a collector electrode, means for successively focusing ions of differing mass-to-charge ratio on the collector electrode, and a recorder for recording the signals developed by ion discharge at the collector electrode, the combination comprising an anticipator electrode positioned to receive ions in advance of the collector electrode, a stepping relay circuit, means connected between the anticipator electrode and the stepping relay circuit to energize and set the latter in proportion to the current developed at the anticipator electrode, means operable responsive to the setting of the stepping relay circuit to vary the sensitivity range of the recorder as a function of the setting of the stepping relay, and means operable to reset the stepping relay circuit after each signal is received at the anticipator electrode.

2,629,057 LUMINOUS ATTACHMENT FOR LOCKS

Bernard Heinz, Scranton, Pa.
Application July 17, 1950, Serial No. 174,304
2 Claims. (Cl. 250-76)

1. In an attachment for locks of that type including an escutcheon plate and a bezel, a luminous supplemental escutcheon plate overlying the escutcheon plate, and means for securing said supplemental plate to said escutcheon plate, said means including a split clamping ring, a V-shaped

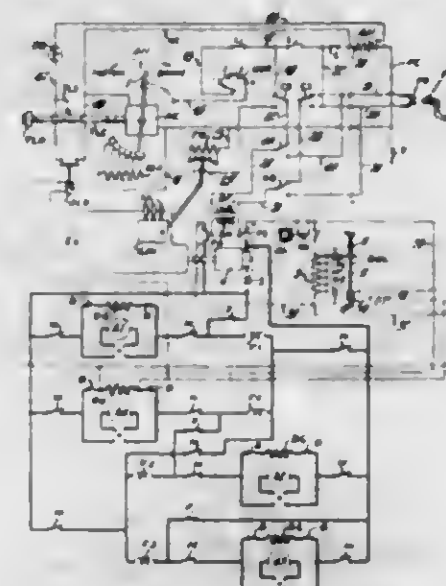
peripheral groove in said supplemental plate, a coating peripheral opposed V-shaped projection



in said ring and a flange carried by said separable ring engaging under said bezel.

2,629,058 ELECTRIC TRACTION AND BRAKING SYSTEM

Torsten O. Lillquist, La Grange Park, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 28, 1951, Serial No. 228,569
17 Claims. (Cl. 290-3)

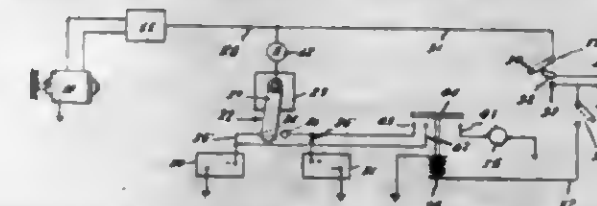


12. In a generating electric traction and braking system for a locomotive unit, an engine having speed controlling means, a generator driven thereby and having first and second field windings, a battery, a braking control rheostat, polarized receptacle contacts, connections including switching means to connect said first field winding in series excitation circuit relation with the battery, the rheostat and polarized receptacle contacts, said contacts serving to connect similar generator field windings on other locomotives in series with said first field winding, potentiometer control means for said second generator field winding and including a control element, movable to apply potential to said winding to buck the excitation from the first field winding, spring means biasing said element to a zero potential controlling position, connections including switching means to connect the potentiometer controlling means in controlling relation with the second generator field winding, a plurality of traction motors each having a field winding and an armature to drive or to be driven by a separate locomotive wheel, a braking resistor for each motor armature, motor connections including switching means to connect the motor field windings in series with the generator and to connect

each motor armature across a braking resistor, connections connecting the potentiometer control means in potential relation with a braking resistor, solenoid means connected to said braking resistor to move the potentiometer control element against the action of said spring upon excessive braking current in the resistor and thereby reduce the current therein to a safe value, a signal, an excess current signal relay connected to a braking resistor to operate the signal, a manually operable master controller located adjacent the signal and operatively connected to the braking control rheostat and a train line conduit including switching control conductors connected to the master controller and a signal control conductor and additional receptacle contacts connected to the switching and signal control conductors for interconnecting similar switching means signal relays and signals on other locomotive units in multiple.

2,629,059 ELECTRICAL SYSTEM FOR INTERNAL-COMBUSTION ENGINES

William M. Baumheckel, Indianapolis, Ind.
Application May 24, 1950, Serial No. 163,950
5 Claims. (Cl. 290-36)



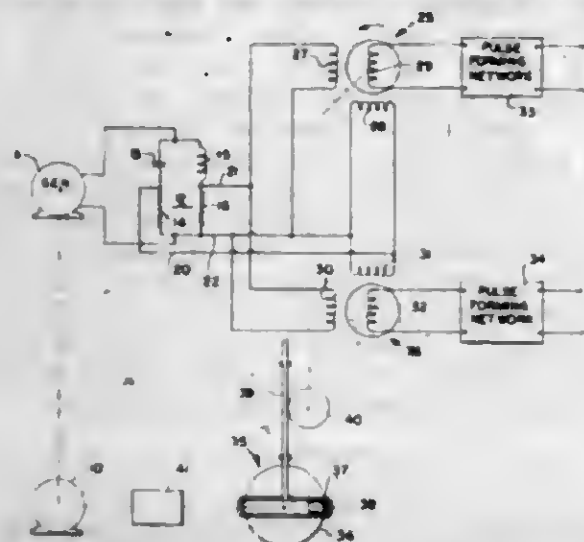
1. In an electric system, the combination with a source of current and two storage batteries, of a current-to-battery circuit for each battery; a battery-output circuit; an electric switch for interconnecting said circuits with both of said batteries characterized by a structure simultaneously interconnecting said current-to-battery circuit selectively to either one alone of said batteries and that battery to said output circuit, and further characterized by interconnecting said current-to-battery circuit to both of said batteries in parallel and placing both of said batteries in parallel connection with said battery-output circuit prior to interrupting said current-to-battery and said battery-output circuits with said prior connected battery; and means cyclically operating said switch to switch said current-to-battery and said output circuits from one battery to the other; whereby each battery is normally alternately and separately discharged and charged without interruption of either of said circuits during the interval of switching of those circuits from one battery to the other.

2,629,060 PHASE MODULATING APPARATUS

Merle R. Ludwig, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 30, 1950, Serial No. 194,721
10 Claims. (Cl. 307-24)

5. Apparatus for synchronously and oppositely phase modulating a pair of electrical signals comprising, a drive motor, an alternating current generator driven by said motor, a phase splitting circuit energized by said generator and having a pair of output signals displaced in phase from each other by 90 electrical degrees, a pair of control transformers each having a pair of input primary windings and a rotatable armature carrying an

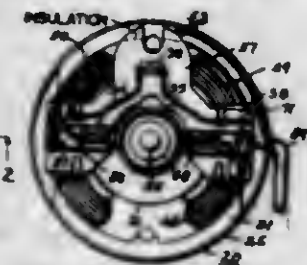
output winding, each of said primary windings being displaced 90 electrical degrees apart and being energized by one of said output signals, a mechanical oscillating mechanism arranged to oscillatingly move said armatures so that the phasing of the output signal will vary at a rate



dependent upon the rate of oscillation of said armatures and in opposite directions, and gear reduction means connecting said drive motor to said mechanism so that the rate of oscillation of said mechanism will be a submultiple of the output frequency of said generator.

2,629,061 ELECTRIC MOTOR

Stanley H. Swarthout, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1949, Serial No. 87,624
11 Claims. (Cl. 310-42)



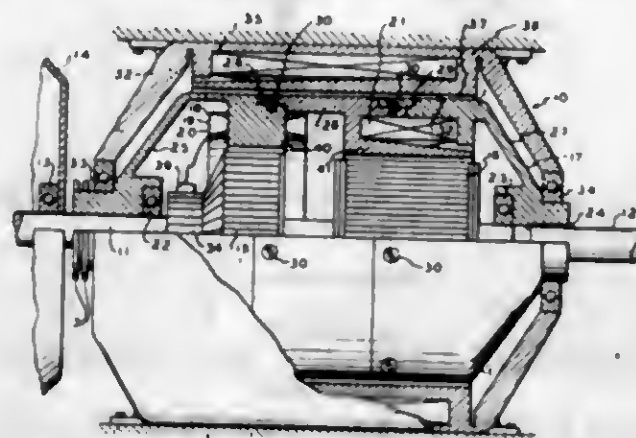
1. In an electric motor; a stack of laminations with a plurality of openings therein, straps of sheet metal having tongues adjacent shoulders, said tongues extending through the openings and being deformed for clamping the laminations against the shoulders, a winding carried by the stack; an armature rotatable in the stack and having a commutator; a plate of insulating material secured to the straps adjacent the commutator; a brush guide fixed to the plate; a brush movable within the guide; a spring within the guide for urging the brush in engagement with the commutator; and means including portions of the guides for anchoring one end of the windings in electrical engagement with the respective guides and springs and thereby retain the spring and brush within the guide.

2,629,062 POWER TRANSMISSION

John A. Seede, Schenectady, N. Y.
Application October 26, 1950, Serial No. 192,321
11 Claims. (Cl. 310-96)

5. An automobile transmission, comprising, an armature for a direct current generator attached to the engine drive shaft, a rotor for a magnetic

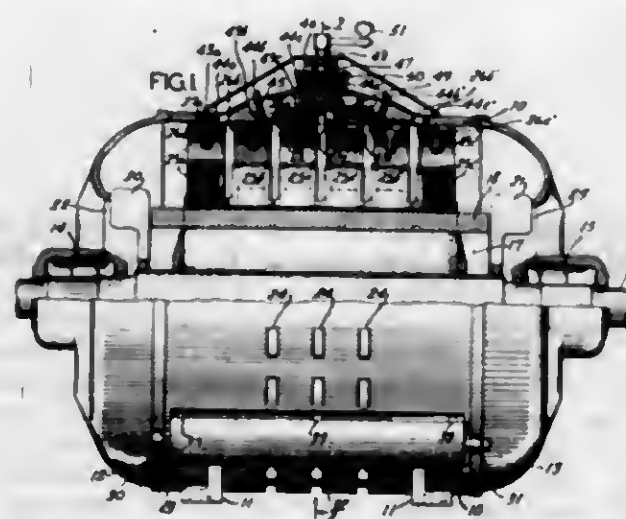
drive also attached to the engine drive shaft, a housing rotatably mounted concentrically with the armature and rotor and bearing a field winding for the generator and an induction winding for the magnetic drive, slip rings on said housing connected with a portion of the field winding of the generator, said slip rings being connected with the battery of the automobile through a switch, brushes abutting the commutator of said armature, another portion of the generator field



winding being connected across the brushes in shunt to said armature, still another portion of the field winding of said generator being connected in series with the induction field winding of said magnetic drive and said armature, and an induction brake winding surrounding the housing and fixed relative to the automobile chassis, said brake winding being connected to the battery of the automobile through a switch.

2,629,063 ADJUSTABLE POLE PITCH DYNAMO-ELECTRIC MACHINE

Charles E. Ellis, Mahwah, N. J.
Application April 27, 1950, Serial No. 158,492
5 Claims. (Cl. 310-166)

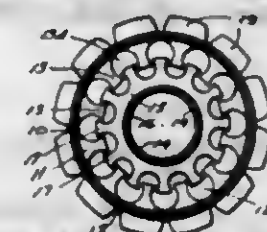


1. In a polyphase alternating current dynamo electric machine, the combination of a housing, at least three coaxial ring-like members rotatably mounted in the housing, at least three magnetically independent magnetic members carried by said ring-like members, respectively, and each having at least two cooperating opposed poles separated by an air gap, windings for each of said poles, the windings for cooperating pairs of poles being adapted to be connected to the respective phases of a three-phase alternating current source, a rotor mounted in the housing for rotation between said cooperating poles and spaced therefrom by a narrow air gap, elongated conductors on said rotor, external ring gear means formed on said ring-like members, shaft means

carrying gearing adapted to engage the ring gear means on certain of said ring-like members, second shaft means carrying gearing adapted to engage the ring gear means on other of said ring-like members, and manipulatable means coupled to both said shaft means for rotating the same to cause said ring-like members to rotate with respect to one another to adjust the space phases between adjacent pairs of cooperating poles so as to produce a rotating magnetic field about the axis of said rotor.

2,629,064 COMMUTATOR AND METHOD OF FORMING THE SAME

William Purcell Lewis, Alliance, Ohio
Application December 8, 1950, Serial No. 199,797
4 Claims. (Cl. 310-235)

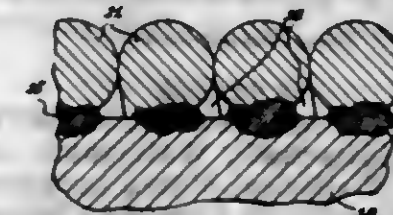


1. The method of making a light-weight commutator comprising forming of thin stiff sheet metal a cylindrical body of predetermined length and diameter, disposing within the body rings of thin stiff sheet metal having side flanges about their outer marginal portions and firmly securing the flanges to the inner surface of the body to rigidly mount the rings in the body with one ring located substantially midway the length of the body and other rings adjacent opposite ends of the body, the said rings being each formed with circumferentially spaced lugs extending toward the axis of the body, disposing about a tubular sleeve of thin stiff sheet metal a plurality of thin stiff sheet metal rings having side flanges about their inner marginal edges firmly secured to the sleeve and rigidly mounting the said rings upon the sleeve in spaced relation to each other, thrusting the sleeve and its rings into the body through an end thereof, the rings of the sleeve being of a diameter greater than the inner diameter of the body rings but less than the inner diameter of the body and disposed between the rings of the body in spaced relation thereto and to the body and each being formed with circumferentially spaced lugs disposed in staggered relation to the lugs of the rings carried by the body and passed through spaces between the rings of the body as the sleeve and its rings are thrust longitudinally into the body, pouring insulating material into the body about the sleeve and allowing the said insulating material to solidify between and about the rings carried by the body and the sleeve, and then cutting the casing and its rings longitudinally of the casing the full length thereof between the lugs of its rings and thereby dividing the casing into bars each carrying lugs anchored in the insulation.

2,629,065
OVERWOUND FILAMENT
Hampton J. Dalley, Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1948, Serial No. 27,122
4 Claims. (Cl. 313-343)

1. A cathode comprising a metallic cylindrical core adapted to be heated by flow of current therethrough, and an overwound coil of wire

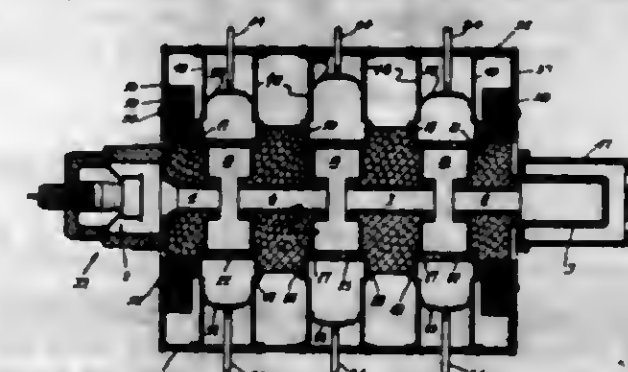
on said core, said coil being of different chemical constituency from said core and having a continuous-spiral portion of its convolutions in contact with and alloyed directly to said core sub-



stantially throughout the length of said continuous-spiral portion, and said cathode having a greater outside diameter at its middle than at its ends.

2,629,066 ELECTRON TUBE

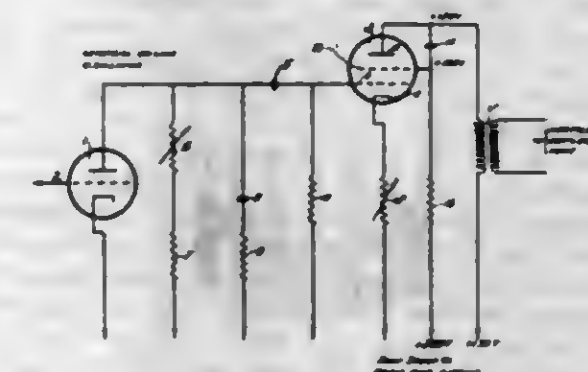
William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application December 10, 1951, Serial No. 260,922
4 Claims. (Cl. 315-5)



1. An electron tube comprising an envelope, a cavity resonator, said envelope comprising ceramic sections, one ceramic section forming a side wall portion of the resonator, another ceramic section forming another side wall portion of the resonator, a third ceramic section providing a spacer wall between said sections, a metallic coating on those ceramic surfaces which define the inner side walls of the resonator, and metallic bonds uniting the side wall sections to said spacer wall.

2,629,067 DEFLECTION CIRCUITS FOR TELEVISION RECEIVERS

Henry Fogel, New York, N. Y., assignor to Tele-tone Radio Corporation, a corporation of New York
Application July 18, 1950, Serial No. 174,401
9 Claims. (Cl. 315-24)



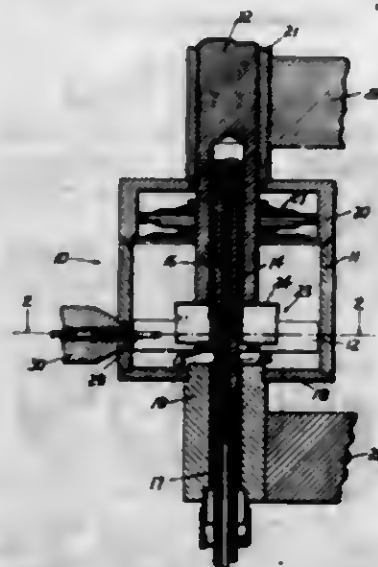
1. In a cathode ray deflection circuit, a line oscillator tube and a multigrid amplifier tube controlled by said oscillator tube at one grid

thereof, and a source of field voltage controlling another grid of said amplifier tube, said amplifier tube having an output electrode capacitively coupled to said other grid, and a source of relatively low D. C. voltage coupled to said output electrode.

2,629,968

TUNABLE MAGNETRON DEVICE

Winston M. Gottschalk, Watertown, and Robert E. Chaffee, Wellesley, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 6, 1949, Serial No. 119,804
10 Claims. (Cl. 315-39)

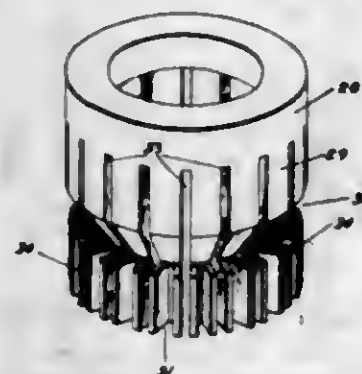


1. An electron discharge device comprising an anode structure, a cathode adjacent said anode structure, said anode structure defining a cavity resonator having a plurality of cavities, and a tuning structure having a plurality of tuning elements comprising conductive material positioned adjacent said cavity resonator and movable with respect to said cavity resonator, each of said tuning elements extending into a cavity of said resonator, each pair of adjacent tuning elements comprising an electrical circuit, all of the resonance frequencies of said circuit being remote from the operating frequency of said resonator over the range of operating frequencies of said device.

2,629,969

TUNABLE ELECTRON DISCHARGE DEVICE

Albert D. La Rue, Lexington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 14, 1948, Serial No. 54,540
6 Claims. (Cl. 315-40)



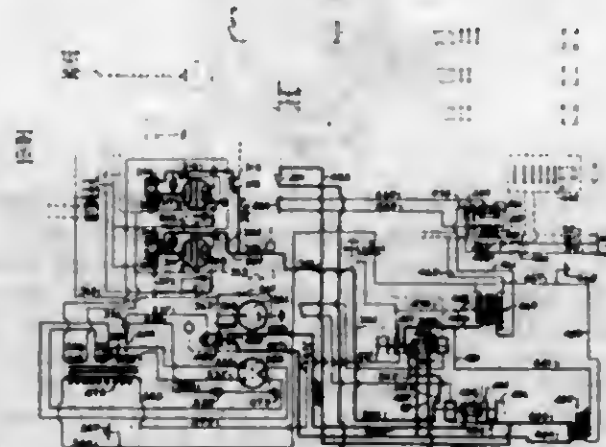
1. An electron discharge device comprising an anode structure and a cathode adjacent said structure, said anode structure defining a cavity resonator having a plurality of cavities, a tun-

ing structure movably positioned with respect to said cavity resonator, an element of said tuning structure extending into each cavity of said cavity resonator, said elements being separated from each other by slots, and the length of said slots being appreciably greater than an electrical quarter wavelength of the resonant frequency of said cavity resonator.

2,629,970

CONTROL CIRCUITS FOR SPACE DISCHARGE TUBE NETWORK

Burton F. Holmes and Herbert H. Heindel, Toledo, Ohio, assignors to Schults Die Casting Company, Toledo, Ohio, a corporation of Ohio
Original application December 10, 1947, Serial No. 790,838. Divided and this application November 21, 1950, Serial No. 196,762
12 Claims. (Cl. 315-102)



1. In the supply circuits for discharge tubes having plate circuits and control grid bias circuits, the combination of an alternating current input supply; a main transformer to reduce the voltage for supplying electrical energy to the circuits of said tubes; a second transformer connected to said main transformer; connecting circuits from said second transformer for said plate circuit; a switch for controlling said plate circuit; a third transformer connected with said main transformer; circuits from said third transformer for supplying voltage to said bias circuits; a plurality of secondary windings on said last-mentioned transformer, a rectifier tube; connections from said windings to the elements of said rectifier tube, said rectifier tube being connected in said bias circuit; a coil; circuits and connections whereby said coil controls said switch in said plate circuit operative to close said switch upon normal voltage of said bias circuit; and interlocked connecting relays for establishing said plate circuit.

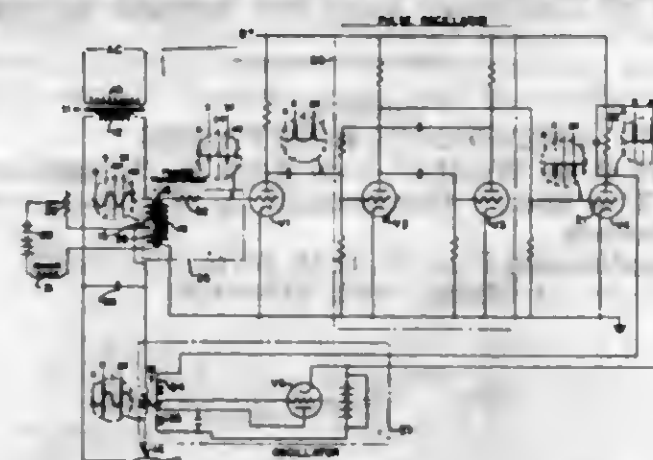
2,629,971

STABILIZING WELDING ARC

Nelson E. Anderson, Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application July 31, 1948, Serial No. 41,761
16 Claims. (Cl. 315-170)

1. The method of stabilizing an electric welding arc which includes, generating from the welding current an alternating synchronizing voltage having peaks corresponding to the current reversal intervals of the welding current, forming pulses timed by certain peaks of said synchronizing voltage, generating high-frequency oscillations of a substantially single constant frequency, controlling the timing of said oscillations by said

pulses to form impulses of high-frequency oscillations of substantially constant frequency, and

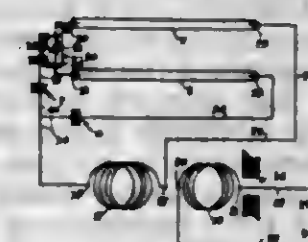


superimposing said high-frequency impulses on the arc.

2,629,972

GASEOUS DISCHARGE TUBE LIGHTING SYSTEM

Max Nathanson, Montreal, Quebec, Canada
Application July 2, 1948, Serial No. 36,732
In Canada June 18, 1948
11 Claims. (Cl. 315-188)



1. In a gaseous discharge tube lighting system, a transformer including a core provided with an air gap and primary and secondary windings arranged on said core the primary coil being connected across a source of alternating current of predetermined frequency, a tube circuit comprising a pair of gaseous discharge tubes connected in series with each other across the output terminals of the transformer, a series condenser connected in the tube circuit in series with both tubes, a by-pass impedance connected in the tube circuit in series with one tube and in parallel with the other tube, the transformer secondary being arranged to have an inductive reactance in the operating frequency which is lower than the impedance of the said series condenser and the by-pass impedance at the operating frequency to avoid major wave shape distortions, and the transformer primary by reason of the air gap carrying an appreciable exciting current, the arrangement of the system being such that the exciting current is inductive and lagging in nature and combined vectorially with the leading load current to provide a high power factor operation with a minimum of wave shape distortion.

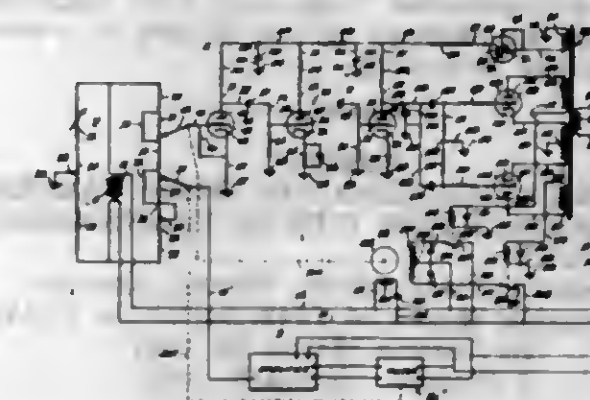
2,629,973

ELECTRONIC AMPLIFIER

James W. Smith, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 5, 1949, Serial No. 79,774
17 Claims. (Cl. 318-19)

1. In combination: signaling means comprising a bridge having a plurality of output signal voltages, each of which differs in value from the remainder; rebalancing means for independent-

ly reducing any one of said voltages to zero; a plurality of electronic amplifiers; means connecting said amplifiers with said bridge such that each amplifier is affected by a separate output signal voltage from said bridge; a separate motor energized by each of said amplifiers; means

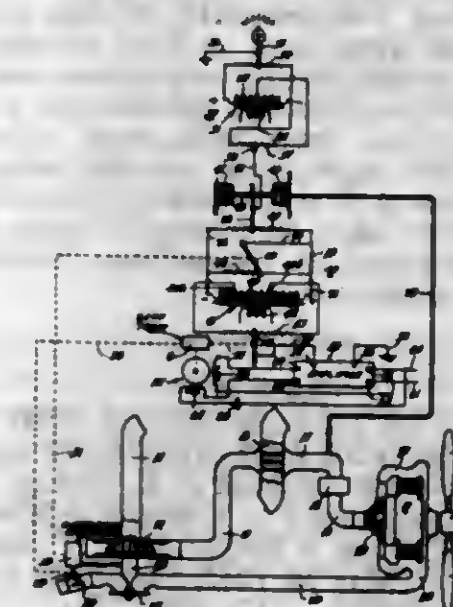


connecting said motors to said rebalancing means; means enabling only one of said rebalancing means to be rebalanced at a given time; and bias means in each of said amplifiers to limit the grid current in said amplifiers and reduce loading of said bridge by said amplifiers.

2,629,974

PRESSURE CONTROL APPARATUS HAVING LIMITING CONTROLLER

Alex B. Chudyk, St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 12, 1947, Serial No. 754,327
5 Claims. (Cl. 318-28)



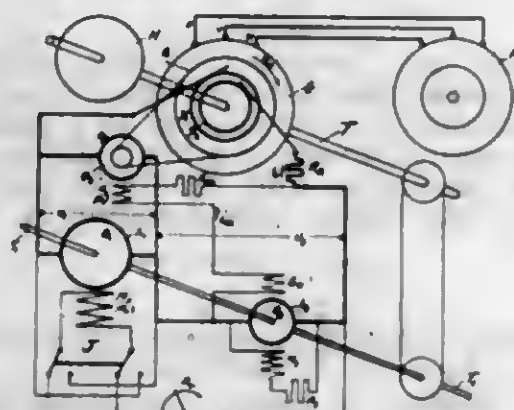
1. In combination, a balanceable electrical bridge network, one portion of which comprises a first and second impedance each having a variable tap, means interconnecting said impedances so that one end of the first of said impedances is connected to one end of the second of said impedances and the tap of said first impedance is connected to the other end of said second impedance, condition sensing means, condition control means, means connecting said condition sensing means to the tap of said second impedance to variably adjust the tap according to variations in a condition, means connecting said condition control means to the output portion of said bridge so that said condition control means is operable according to the unbalance of said bridge network, limit control means connected to the tap of said first impedance operable upon the

occurrence of a condition to be limited to bias the tap toward the end which is connected to said second impedance, a third impedance connected between the tap of said first impedance and the end of said first impedance not connected to said second impedance, said third impedance being operable upon the tap of said first impedance becoming disconnected from said first impedance to change the balance of said bridge in a condition limiting direction.

2,629,075

ELECTRICAL GENERATOR WITH VARIABLE FREQUENCY AND POWER TRANSMISSION SYSTEMS

Heinrich Deschmann, Vienna, Austria
Application March 26, 1948, Serial No. 17,216
In Austria March 29, 1947
4 Claims. (Cl. 318-147)



1. In an electric power transmission system, a variable frequency generator driven from a main shaft, said generator having means for varying said frequency independently of the rotational speed of said generator, a load driving motor electrically connected to said generator, speed sensitive governing means comprising a control generator driven from said main shaft, said speed sensitive governing means being operatively connected to said variable frequency generator whereby said frequency is varied in response to changes in the voltage produced by said control generator.

2,629,076

SUBMERSIBLE TRANSFORMER AND ELECTRIC MOTOR AND COMBINATION

Tom C. Lloyd and Sheldon S. L. Chang, Springfield, Ohio, assignors to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application May 20, 1949, Serial No. 94,422
3 Claims. (Cl. 318-230)



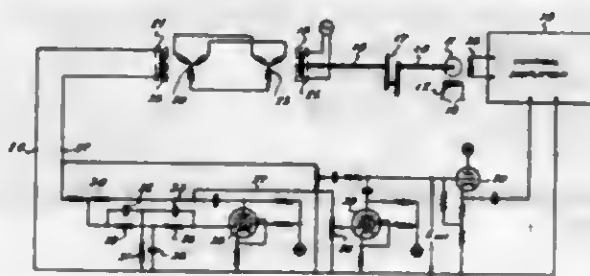
1. In combination: a transformer having a primary and a single turn secondary, said secondary comprising tubes of electrically conductive material, means for supplying a voltage to be transformed to said primary, said entire transformer, except for said supply means and said tubes being sealed; and an electric motor having a number of single turn field windings, said windings comprising bars of electrically conductive material, some of which are of a size to telescope snugly into the tubes constituting the secondary of said transformer, said last named bars

extending from one end of said motor, said motor operating on a very low voltage and being capable of submerged operation without sealing.

2,629,077

SERVOMOTOR NETWORK

Gerard P. de Westfelt, New York, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 17, 1948, Serial No. 33,589
1 Claim. (Cl. 318-458)



In a servomotor control system, the combination with a source of variable amplitude, reversible phase, alternating error signal voltage, of a motor and a control circuit for controlling said motor in accordance with said error signal, said circuit having input terminals connected to receive said error signal and comprising a parallel T network including impedance and reactance elements having its input connected to receive said error signal, the values of the network elements being so chosen and said elements being so constructed and relatively arranged in circuit as to provide an alternating rate output voltage substantially proportional to a time derivative of the input signal, said rate voltage being phase shifted substantially 90° from the input error signal and reversing in phase depending upon whether the input error signal voltage to said network is increasing or decreasing, a first amplification stage having the rate voltage output of said network connected to the input thereof to control its output, the output of said first stage being connected in degenerative fashion to the input of said network such that the feedback signal is substantially 180° out of phase with the rate signal, whereby the signal to noise ratio is so materially improved that the rate signal may be amplified, a second amplification stage, the rate signal output of said first amplification stage being also connected to the input of said second amplification stage to control its output, and means for adding the output of said second amplification stage with the error signal in such relative phase relation that said rate signal leads the error signal by substantially 90°.

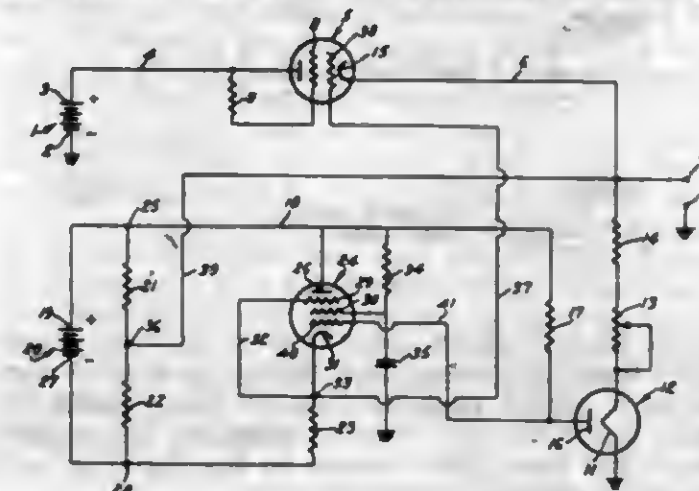
2,629,078

VOLTAGE REGULATOR

Leo L. Heltzerline, Jr., South Norwalk, Conn., assignor to Sorensen & Company, Inc., Stamford, Conn., a corporation of Connecticut
Application January 19, 1949, Serial No. 71,690
7 Claims. (Cl. 323-22)

1. In a voltage regulator adapted to control the voltage output of a direct current supply within predetermined limits, an output circuit adapted to have a load connected therein, vacuum tube means having a plate circuit and a control grid circuit, said plate circuit being serially connected between said direct current supply and said output circuit, a bridge circuit, a first vacuum tube forming one arm of said bridge circuit said first vacuum tube having a control grid circuit, a second vacuum tube having at least a

plate and a filament, said filament being connected across said output circuit thereby altering the impedance of said second vacuum tube in accordance with the variations in output voltage, a direct electrical connection between the plate of said second vacuum tube and the control grid

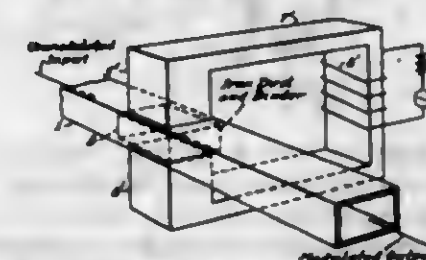


circuit of said first vacuum tube, and a bridge output circuit connected to the control grid circuit of said vacuum tube means whereby the impedance of said vacuum tube means is altered in accordance with variations in the voltage of said bridge output circuit.

2,629,079

WAVE-GUIDE ATTENUATOR AND MODULATOR

Theodore Miller and Richard H. Webb, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 30, 1948, Serial No. 5,416
4 Claims. (Cl. 332-51)



1. In combination, a wave guide having an input end and an output end, and a variable attenuator directly in the wave guide at an intermediate point between said input end and said output end, said variable attenuator comprising a block disposed inside of said wave guide and substantially filling said inside, an electromagnet core disposed outside of said wave guide and having poles on opposite sides of said block so as to include said block in its magnetic circuit, an exciting coil for said electromagnet core, and means for controllably energizing said coil, said block being composed of a dust of a magnetizable material and a solid dielectric binder holding said dust fixed immovably against any translation.

2,629,080

TUNER SLUG COUPLING

Reuben C. Carlson, River Grove, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application December 15, 1950, Serial No. 200,957
7 Claims. (Cl. 336-136)

1. An apparatus for connecting a tuning slug movable in a coil to a member for moving the slug, wherein the slug has a stem extending therefrom and the moving member has an aperture

for receiving the connector, comprising a helix having a plurality of convolutions some of which provide a support for the helix in the movable

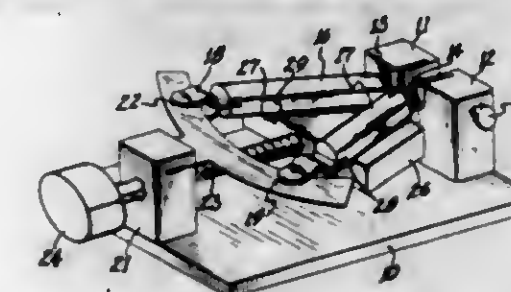


member, said stem on said slug being provided with an angular extension disposed and movable between and gripped by adjacent convolutions of the helix.

2,629,081

HIGH-FREQUENCY INDUCTOR

Merle R. Hubbard, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application April 26, 1950, Serial No. 158,225
3 Claims. (Cl. 336-137)



1. A high frequency tunable circuit comprising, a first post, a second post, a first conducting rod connected to said first post, a second conducting rod connected to said second post, a third post, a shorting bar attached to said third post and engaging the ends of the first and second conducting rods, a shaft threadedly received through said third post, a wedge shaped member rotatably supported at one end of said shaft, a pair of slots formed in said wedge shaped member, downwardly extending pins connected to each of said rods and received in said slots, and means for rotating said shaft to vary the inductance of the tuner.

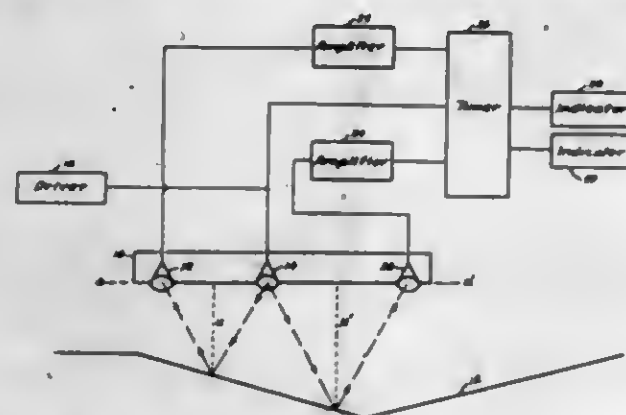
2,629,082

SONIC TILTOMETER

Donald G. C. Hare, Long Island, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application February 19, 1945, Serial No. 578,772
5 Claims. (Cl. 340-1)

1. A system for measuring the relative tilt of a chosen dimension of a movable object and a reference surface, comprising a sonic projector mounted on said movable object, a driver for said projector, a pair of sonic receivers laterally disposed in respect to said projector on said object

along said chosen dimension and arranged to receive sounds reflected from said reference surface, means for measuring the projector-receiver transit time for the sound reflected from the pro-



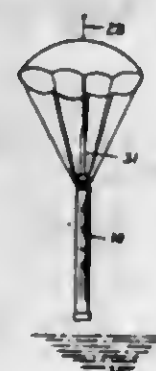
jector by the reference surface to each of said receivers, means for obtaining the difference between said transit times, and means calibrated in terms of relative tilt for indicating this difference.

2,629,083

EXPENDABLE RADIOSONIC BUOY

Russell I. Mason and Joseph A. Barkson, New London, Conn., and James C. McNary, Bethesda, Md., assignors to the United States of America as represented by the Secretary of the Navy

Application September 21, 1944, Serial No. 555,154
6 Claims. (Cl. 340-2)



4. A buoy device adapted to be launched from aircraft comprising a casing, signalling apparatus in said casing, a telescoping antenna electrically connected to said signalling apparatus, means securing said antenna on said casing, an insulator tube surrounding said antenna when telescoped, means securing said insulator tube to said antenna, and a parachute pack surrounding and supported by said insulator tube.

2,629,084

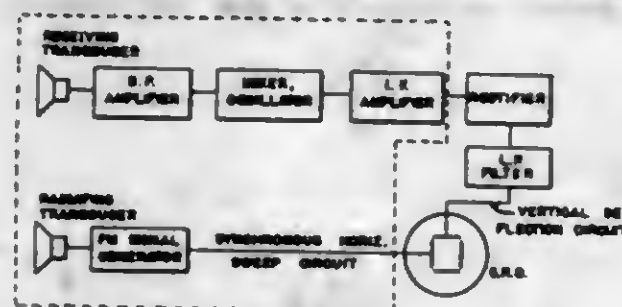
ECHO RANGING SYSTEM

Carl H. Eckart, San Diego, and George W. Downs, Jr., Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy

Application April 25, 1944, Serial No. 532,632
2 Claims. (Cl. 340-3)

1. In a system of echo ranging by measuring the elapsed time interval between a transmitted impulse and the reflection thereof from an object whose range is to be determined, the combination comprising first means for transmitting a carrier frequency modulated burst of energy, second means for receiving the echoes resulting from said transmitted burst of energy, an amplitude detector operative to provide output signals

dependent upon the amplitude of signals from said second means, a low pass filter means coupled to the output of said amplitude detector for removing from the output thereof all of the frequency components above those frequencies



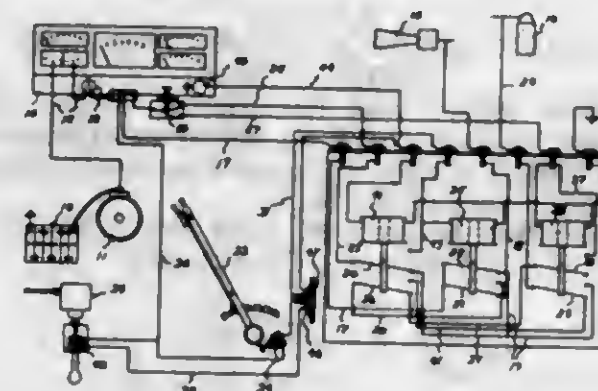
needed to reproduce the envelope of said transmitted burst of energy, indicating means for presenting a visual presentation of the signals fed to the input thereof, means coupling the output of said low pass filter means to the input of said indicating means.

2,629,085

SAFETY CONTROL AND SIGNAL SYSTEM FOR MOTOR VEHICLES

Harold T. Higgins, Hyde Park, Mass.

Application December 22, 1948, Serial No. 66,626
6 Claims. (Cl. 340-53)



1. Control means for a motor vehicle having a switch controlled source of electrical energy, an electrically operated signal, and an ignition system, said means comprising a primary circuit including first, second, and third parallel leads, the first of which includes said signal, first and second switches having normal first positions in which said first switch connects said first lead to said primary circuit and said second switch connects said second lead thereto and second positions in which said first switch disconnects said first lead from said primary circuit and connects said third lead thereto and said second switch opens said second lead, a third switch having first and second positions in the second of which said second lead is connected to said ignition system, an auxiliary power circuit including a fourth switch having first and second positions in the first of which it is connected to said second lead, a first control circuit including a first relay operatively connected to said third switch to move it from its first to its second position, a control switch normally connecting said auxiliary power circuit to said source, but resiliently yieldable to connect said first control circuit thereto, thereby to energize said first relay to effect the second position of said third switch and a lead from said source and including first and second parallel safety circuits each of which includes a switch closed in response to the existence of a predetermined standard of safety, said first safety circuit including a second relay operatively connected to said first and second switches

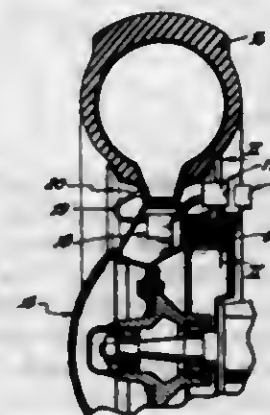
to move them from their first to their second positions, said third lead of said primary circuit including a fifth switch having first and second positions, a holding circuit connected to said first control circuit to said first relay connected to said third lead by said fifth switch in its first position and including a sixth switch closed when said first relay is energized, said holding circuit being operable when said first relay is energized by the actuation of said resilient switch and when the safety standard of said first safety circuit is satisfied, a lead connecting said third lead to said second ignition system when said fifth switch is in its second position and said third switch is in its first position, and said second safety circuit including a third relay operatively connected to said fourth and fifth switches to move them from said first to said second positions, and a holding circuit for said second relay connected to said auxiliary power circuit by said fourth switch in its second position.

2,629,086

TIRE PRESSURE RESPONSIVE SAFETY DEVICE

Benjamin J. Ainsworth and Emmett J. Courts, Los Angeles, Calif.; said Courts assignor to said Ainsworth

Application July 21, 1950, Serial No. 175,042
6 Claims. (Cl. 340-58)



1. In a tire pressure safety device, the combination of: magnet means adapted to be carried by a wheel in concentric relation thereto and for rotation therewith including an annular hollow flexible housing adapted to virtually encircle the axis of the wheel; a plurality of casings carried within the housing in spaced relation and with their axes parallel to the axis of the wheel, a flexible diaphragm dividing each casing into opposed high and low pressure chambers, each chamber being normally in communication with a tire carried by the wheel; a spring biased permanent magnet element connected to said diaphragm and axially movable within each low pressure chamber in response to variation of tire pressure beyond a preselected operating range; and armature means adapted to be carried on a stationary axle assembly in proximity to the plane of the path of travel of said magnet means, said armature means being responsive to axial movement of each magnet element for causing energization of a signaling means.

2,629,087

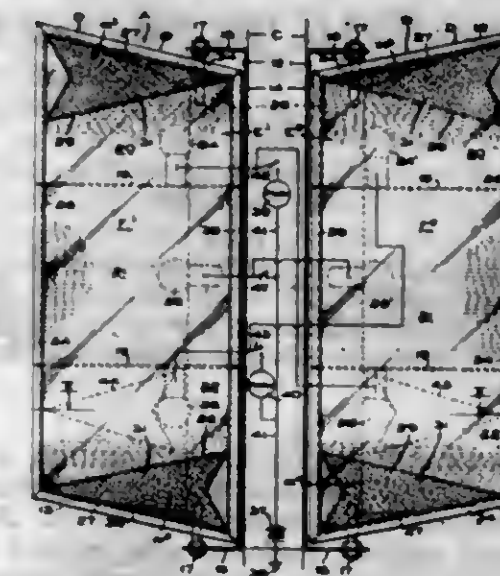
COMBINED MIRROR AND DIRECTION INDICATOR FOR VEHICLES

Loren A. Ross, Richmond, Calif.

Application November 13, 1951, Serial No. 255,882
8 Claims. (Cl. 340-107)

1. In a device of the character described: a quadrilateral panel defining an oblique end and

lateral opposing edges; this panel having a non-transparent quadrilateral section, which is smaller than the panel and providing an oblique end; these oblique ends converging toward a lat-



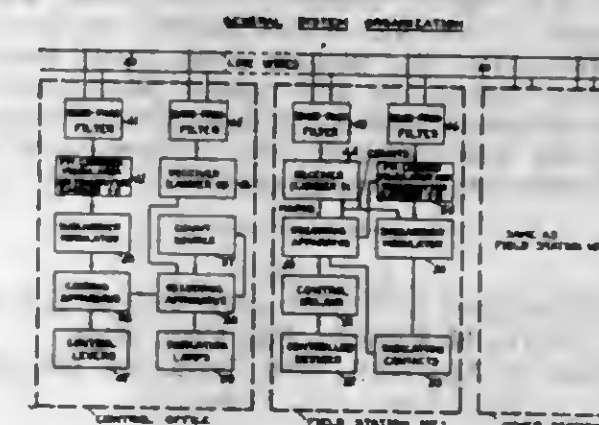
eral edge of the panel to form a direction-indicating arrow; the portion of the panel providing the arrow being transparent; and means for illuminating the arrow portion to give a direction signal.

2,629,088

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Hugh C. Kendall, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application September 30, 1950, Serial No. 187,728
20 Claims. (Cl. 340-147)



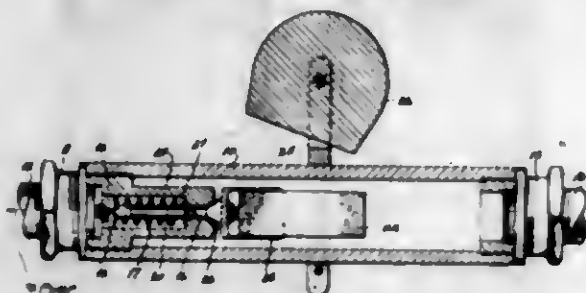
2. In a communication system of the code type connecting a control office with a plurality of field stations, code transmitting means at the control office for transmitting successive series of code elements to said field stations, each series including groups of elements respectively allotted to said field stations, and each series beginning with a synchronizing element, code receiving means at each field station including station selecting for rendering its station responsive to only the code elements allotted to it, said station selecting means including timing means for time gating said code receiving means at the proper time in each series for the reception of its code elements, and synchronizing means at each field station responsive to said synchronizing code element at the beginning of each series for initiating the associated timing means at that field station, whereby said timing means at all of the field stations are set into operation at the beginning of each series of code elements.

2,629,089

FEED INDICATOR FOR LIQUID PUMPS

George C. Fairbairn and Homer M. Putnam, Jr.,
Port Arthur, Tex., assignors to The Texas Com-
pany, New York, N. Y., a corporation of Dela-
ware

Application April 14, 1950, Serial No. 155,953
1 Claim. (Cl. 340-239)

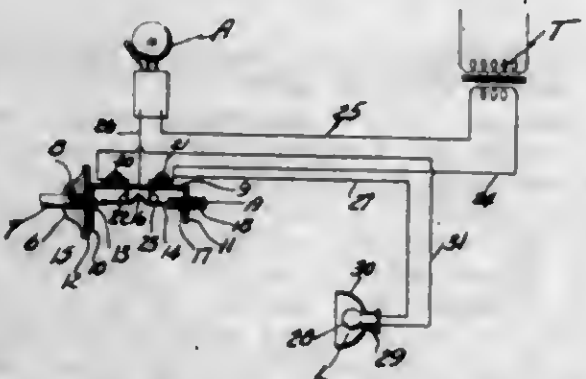


In an indicator for liquid feed pumps, a tubular member adapted for insertion in the pump feed line, a cylindrical member affixed to the inner wall of said tubular member and having a longitudinal bore extending therethrough with the inner portion of said bore being of larger diameter than the outer portion which latter portion constitutes a good working fit for the hereinafter specified piston, a piston mounted for movement within said bore and adapted upon its forward movement to protrude beyond the outer end of the cylindrical member, said piston being provided with a longitudinal bore extending for a portion of the length thereof and open at the inner end thereof to receive the liquid to actuate it, resilient means disposed in the larger diameter portion of the bore in the cylindrical member tending to hold the piston in the retracted position, a peripheral port in the piston in communication with the longitudinal bore therein and positioned to be within the cylindrical member in the retracted position of the piston and to be outside of the cylindrical member in the forward position of the piston, a magnetic element carried by the piston and means positioned exteriorly of the aforesaid tubular member adapted to indicate the reciprocating movement of the piston-carried magnetic element.

2,629,090

COMBINATION SWITCH AND LOCK LIGHT

George N. Kerkau, Bay City, Mich.
Application August 8, 1949, Serial No. 108,931
2 Claims. (Cl. 340-310)



1. A combination switch and lock light comprising a housing, a bracket associated therewith, spaced-apart terminals on said bracket and formed with depending leg alarm and light contacts, a push-pull button mounted in said housing, a rod connected thereto and spanning said leg contacts, said rod being shaped to selectively engage a selected leg contact when the button is actuated, an alarm, an alarm circuit connected

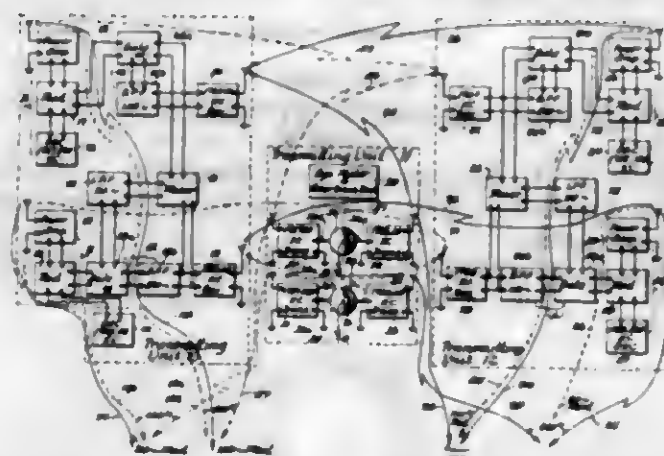
at the alarm contact, said alarm circuit including a transformer, said rod closing said circuit to energize said alarm when the rod is moved into engagement with the alarm contact, a light of high resistance with relation to said alarm, and a light circuit leading from the light contact to said light and thence connected in series with said alarm circuit, said light only being energized when the button is moved in the opposite direction to bring said rod into engagement with said light contact.

2,629,091

RADIO LOCATION SYSTEM

James E. Hawkins, Tulsa, Okla., assignor to Sels-
mograph Service Corporation, Tulsa, Okla., a
corporation of Delaware

Application August 14, 1951, Serial No. 241,776
29 Claims. (Cl. 343-105)

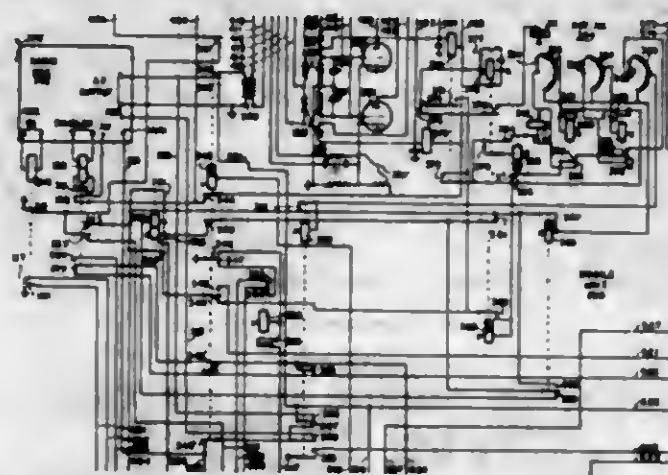


1. A wave signal transmission system comprising at least a pair of transmitting units for radiating waves of different frequencies, means at one of said units for intermittently radiating one of said waves, means at another of said units at least in part responsive to said one wave for developing a reference signal, and means at said other unit including normally closed gate means responsive to said reference signal for modulating said reference signal upon a wave radiated by said other unit.

2,629,092

MULTICHANNEL MOBILE TELEPHONE SYSTEM

Roswell H. Herrick, Lorain, Ohio, assignor to Au-
tomatic Electric Laboratories, Inc., Chicago,
Ill., a corporation of Delaware
Application December 31, 1948, Serial No. 68,545
30 Claims. (Cl. 343-176)



29. In a plural channel telephone system, a mobile station having a plural channel radio receiver normally tuned to the first idle channel of

said system, an automatic cyclic tuner at said station, a squelch relay at said station operative in response to reception thereof of a radio carrier wave of the frequency to which said receiver is tuned at the time, means responsive to operation of said squelch relay for operating said tuner for one cycle of operation, means controlled by said squelch relay and said tuner during said one cycle for testing all of said channels successively and for tuning said receiver to the first one of said channels which tests idle during said cycle, an assigned digital call number for said station, means for transmitting impulses representing the digits of said call number and other call numbers over said carrier wave, a kickoff relay at said station operated in response to impulses received over said carrier representing a digit not included in said station's call number, and means responsive to the operation of said kickoff relay for operating said tuner for one cycle of operation.

2,629,093

MULTISEAL ENVELOPE AND THE METHOD OF MAKING

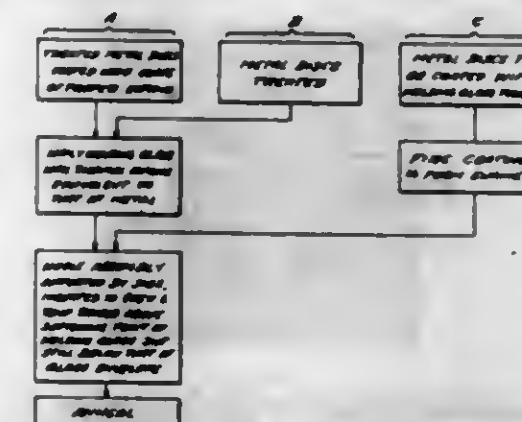
Joseph A. Pask, Concord, Calif., and Charles M. Slack, Glen Ridge, N. J., assignors to Westing-
house Electric Corporation, East Pittsburgh,
Pa., a corporation of Pennsylvania

Application March 8, 1949, Serial No. 80,196
8 Claims. (Cl. 220-2.3)

1. The method of making multi-seal envelopes for evacuated electron-discharge devices, comprising treating a plurality of annular metal members for the application of vitreous material, as means for connecting thereto a plurality of hollow-insulative envelope sections alternating with said annular metal members, applying vitreous material to said annular metal members in the form of at least one annular layer on each side thereof, said layers being smaller in radial dimension than the annular metal members, so as to terminate short of the inner and outer edges of said members, having a softening point considerably lower than that of the envelope sections, but a coefficient of expansion approximately corresponding with that of said metal members, a mean diameter approximately corre-

667 O. G.-50

sponding with, and a radial width exceeding the thickness of, the envelope sections, assembling a plurality of said hollow insulative envelope sections alternating with said annular metal members, the adjacent edges of said envelope sections engaging the annular layers of said lower softening-point material, supporting said assembly, simultaneously exposing the whole assembly for heating to a temperature, which is the same for all parts thereof, above the point of fusion of said lower softening point vitreous material but still below the softening point of said envelope sections, whereby said lower softening point vitreous materials fuses, allowing the temperature of said assembly to be reduced to cause the vitreous material to simultaneously seal the parts together, and annealing the formed envelope.

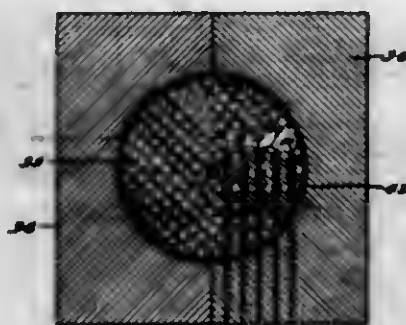


5. A multi-seal envelope for evacuated electron-discharge devices comprising a plurality of hollow insulative envelope sections, adjacent ones of which are united by a mating annular metal disk of larger outside diameter, with vitreous material having a softening point considerably lower than that of the envelope sections, but a coefficient of expansion corresponding approximately with that of said metal members, as a thin layer terminating short of the inner and outer edges of said metal members, between each envelope section and the adjacent metal members and bonding said sections and members together.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

534,681. METHOD FOR TESTING MATERIALS. Enrico Fermi and Leo Szilard, Chicago, Ill. Filed May 8, 1944. Published Feb. 17, 1953. Class 204—154. 3 sheets of drawings. 12 pages of specification.



The application sets forth methods for determining the neutron absorption characteristics of graphite, or other neutron moderating materials, and illustrates these methods with two devices for carrying out the methods. One of these devices uses a rectangular mass of the material under test, and the other a spherical mass of the material under test, and is illustrated in the figure. As here illustrated, a source 42 is placed at the center of the graphite sphere 35 under test, and channels 37 through 41 are disposed in the graphite mass 35 at different distances from the source 42. A neutron absorbing shield 43 surrounds the graphite sphere 35, and may be constructed of cadmium. A mass of neutron moderating materials 36, such as paraffin surrounds the shield 43. Neutron detectors, such as foils of indium or other materials which become radioactive when absorbing neutrons, are placed in the channels 37 through 41, and two sets of measurements are taken. One set of measurements is taken with the shield 43 in place, as shown in the figure, and a second set of measurements is taken with the shield 43 removed, thus obtaining measurements of two different neutron density distributions in the graphite mass 35.

It has been calculated that the equation

$$n = \frac{c}{r} \left(\frac{r}{L} - e^{-\frac{r}{L}} \right) \quad (1)$$

is an expression of the difference in the thermal neutron densities (n) in the mass under the two sets of conditions when the measurements are taken, where r is the radius from the center of the sphere and L is the diffusion length for thermal neutrons in the medium. L can thus be calculated from the measurements taken.

The other device for measuring the diffusion length in a moderator material, such as graphite, uses a rectangular mass of graphite adjacent to a neutron source and surrounded by a neutron absorber. Two different neutron density distribution measurements are obtained by removing the portion of the neutron absorber adjacent to the neutron source for one set of measurements. Again, the thermal neutron diffusion length may

be calculated from these measurements by means of the equation:

$$n = A \sin \frac{\pi x}{a} \sin \frac{\pi y}{a} [e^{-ax} - e^{-bx} e^{ax}] \quad (2)$$

where

$$a^2 = \frac{1}{L^2} + \frac{2\pi^2}{a^2} \quad (3)$$

In these equations, a is the length of the side of the graphite block increased by

$$\frac{2\lambda D}{\sqrt{3}}$$

λD being the diffusion mean free path, and b is the height of the graphite block increased by

$$\frac{\lambda D}{\sqrt{3}}$$

Des. 13,030. DOUBLE EYE BAR. James H. Sellers, Jeffersonville, Ind. Filed Nov. 17, 1950. Published Feb. 17, 1953. Class D-17—14. 1 sheet of drawings. 1 page of specification.



This application discloses the ornamental design for double eye bar substantially as shown in Figure 1 of the drawing.

24,047. CORE CLAMP. Gregory J. Ganley, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York. Filed Apr. 29, 1948. Published Feb. 17, 1953. Class 175—356. 1 sheet of drawings. 13 pages of specification.



Discloses a clamp formed of resilient sheet metal for holding the laminations of the magnetic core together. This clamp includes a rectangular central body having four generally S-shaped gripping fingers comprising ends 9 and sides 10 and 11. The central body is slotted as at 12 and the gripping finger 10 is slotted to provide legs 13 and 14.

51,002. ELECTROSTATIC FILTER. Paul E. Whittington, Arlington, Va. Filed Sept. 24, 1948. Published Feb. 17, 1953. Class 204—302. 1 sheet of drawings. 12 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)

The application describes an apparatus for filtering liquids of high dielectric strength, such as

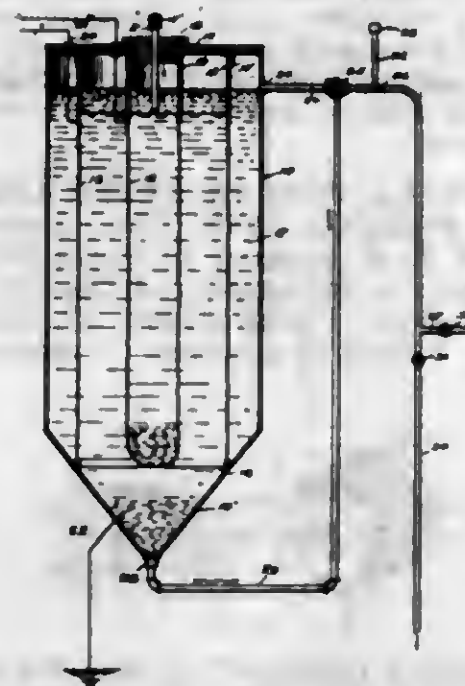
FEBRUARY 17, 1953

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organic liquids used for dry-cleaning clothes, to render the liquid suitable for re-use.

As shown in the drawing, the device includes a tank 10 having inlet valve 11, a pair of concentric cylindrical metal screens 12 and 13 suspended from removable top 14 by insulating rings 15 and 16. The lower end of screen 13 is secured by insulating ring 16 in fluid-tight relation to bottom 16' of the tank. The lower end of screen 12 is closed, and not otherwise supported.



A high D. C. voltage (e. g., 10,000 volts) is impressed across screens 12 and 13, the positive side being connected to screen 13, and the negative to 12. The tank 10 is grounded to the negative side also. The clarified oil is withdrawn thru pipe 24, three way valve 25, and pipe 27 to the point of use. Solid impurities are removed thru pipe 29, valve 28, valve 30 (valve 31 being closed) and discharge pipe 34. A vent pipe 32 and vacuum breaker 33 are connected to pipe 28.

75,973. LUMINESCENT PROJECTILE. Jack De Ment, Portland, Oreg. Filed Feb. 11, 1949. Published Feb. 17, 1953. Class 102—87. 1 sheet of drawings. 11 pages of specification.

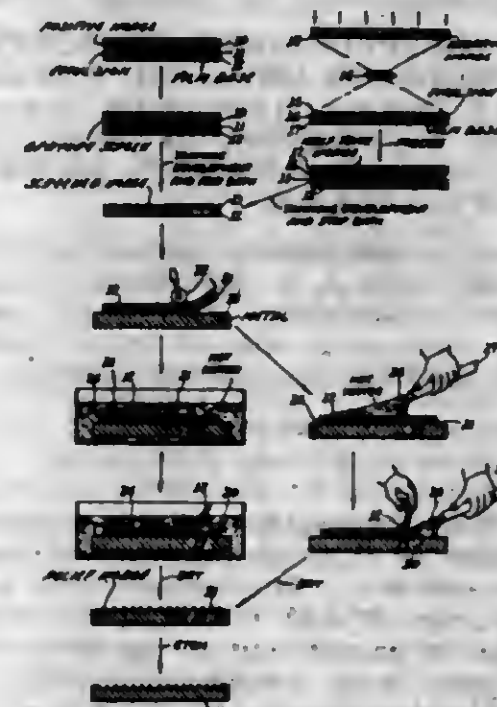


The disclosure relates to a projectile, bullet or the like which is treated with a luminescent composition to distinctly mark the projectile and make its path through a body readily detectable. The luminescent material may be either fluorescent or phosphorescent and is mixed with a grease or wax to facilitate application to the projectile. The material may be applied to the projectile either by dipping or brushing the material on the surface of the projectile or the material may be placed in small holes placed in the projectile.

83,114. METHOD OF PRODUCING PHOTOGRAVURE PLATES. Alexander G. Clair, Rochester, N. Y. Filed Mar. 24, 1949. Published Feb. 17, 1953. Class 95—5.7. 1 sheet of drawings. 7 pages of specification.

This application relates to the use of a gelatin-silver halide wash-off relief emulsion on a film

support as a substitute for ordinary gravure tissue. The wash-off relief film is exposed to an image in the same manner as for the conventional gravure process; the film may be successively exposed to a continuous tone positive and a gravure screen, or it may be exposed to a half-tone positive with variable density (the so-called "Duitgen" process) or to any other other conventional gravure image. The wash-off relief film is then developed by means of any tanning developer and rinsed in an acid stop bath such as 5% acetic acid. This strong acid rinse kills the action of the developer and apparently is of considerable assistance in assuring good adhesion of the film to the metal during the next step, and furthermore the acid rinse minimizes frilling of the edges of the film during subsequent hot water treatment described below.



After the film has been developed and thus hardened and rinsed in a stop bath, it is placed immediately, i. e. without fixing, in contact with the cleaned copper printing plate, with the emulsion next to the plate. It should be noted that the film base of ordinary wash-off relief film is impermeable to water and hence it is not feasible to apply water directly to the emulsion layer at this stage of the process. The plate is on one side of the emulsion and the film base is on the other. Nevertheless, the hardened image is in contact with the metal plate and, due to the above described steps, it adheres firmly when pressed against a cleaned metal plate, with considerable pressure such as by use of a squeegee or print roller.

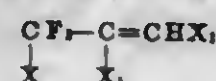
According to the next step of the process, hot water is applied to the back of the film base either by immersion of the whole sandwich in a hot water bath or more conveniently by spraying or flowing hot water onto the back of the film. This water must be hot enough to melt the gelatin immediately adjacent to the film base, but not hot enough to melt the hardened image. The film base is then stripped from the image leaving the hardened image adhering to the metal plate. In fact, the film base comes off quite easily providing the hot water at 125° F. is applied long enough to cause emulsion to ooze out visibly at the edge of the sandwich. Development is completed by continuing to wash the image with hot water, which removes all of the unhardened areas of the image and leaves the hardened image to act as a resist when etching the metal. Prefer-

ably, but not absolutely necessarily, this hardened relief image is dried before the usual etching operation is started. Etching is done in the usual way and the resultant photogravure plate is of the usual type and form depending on the type of exposure used, e. g. the ordinary photogravure image or a Dultgen image. If extra hard resist is required the image may be further tanned by immersion in a tanning solution either before or after the drying step or by using a tanning agent in the etching solution but these additional steps are unnecessary in all ordinary work.

According to the method the hardness characteristics can be varied tremendously by varying the developer, which is an advantage not possible with photogravure tissue. Also the depth of the relief eventually to constitute the resist, can be controlled very conveniently by using color filters during the exposure of the wash-off relief film.

106,318. POLYFLUOROMETHYLACETYLENES AND PRODUCTS OBTAINED THEREFROM. Joseph B. Dickey and Edmund B. Towne, Rochester, N. Y. Filed July 23, 1949. Published Feb. 17, 1953. Class 260—653. No drawing. 7 pages of specification.

A process is disclosed for preparing polyfluoromethylacetylenes, e. g. difluoromethylacetylene, trifluoromethylacetylene, etc., which comprises heating a compound selected from those represented by the following general formula:



wherein X is a hydrogen or fluorine atom and X₁ is a bromine or chlorine atom in the presence of finely divided zinc. The temperatures employed can vary from 60°–200° C., and if desired, the reaction can be carried out in the presence of an inert solvent, e. g. tetrahydrofurfuryl alcohol, phenol, ethylene glycol, acetamide, etc. Typical polyfluoromethylacetylenes which can be employed in the process comprise 1,2-dichloro-3,3,3-trifluoropropene, 1,2-dibromo-3,3,3-trifluoropropene, 1,2-dichloro-3,3,3-difluoropropene, 1,2-dibromo-3,3,3-difluoropropene, etc.

The following example is typical.

EXAMPLE

Trifluoromethylacetylene



165 g. of 1,2-dichloro-3,3,3-trifluoropropene ("Jour. Am. Chem. Soc.," vol. 70 (1948), page 1026), 500 cc. of tetrahydrofurfuryl alcohol, 100 g. of zinc dust and 10 g. of sodium iodide were sealed in a stainless steel autoclave and heated with shaking for 48 hours at 170°–180° C. After the reaction mixture had been cooled to room temperature, the gaseous products were bled off and condensed in a carbon dioxide (solid)-acetone trap. The condensate represented the desired product, which was gaseous at room temperature.

The polyfluoromethylacetylenes produced can advantageously be used in the preparation of polyfluoromethylacrylic acid derivatives, which can be used in the preparation of polymeric materials (U. S. Patent 2,472,811, dated June 14, 1949). The method for preparing such acrylic acid derivatives comprises reacting one of the polyfluoromethylacetylenes of our invention with carbon monoxide and a compound containing a labile hydrogen atom. Typical compounds containing labile hydrogen atoms include water which gives rise to the formation of polyfluoro-

methylacrylic acids, ammonia which gives rise to the formation of polyfluoromethylacrylic acid amides, primary and secondary amines (e. g. methylamine, dimethylamine, ethylamine, diethylamine, etc.) which give N-substituted amides of polyfluoromethylacrylic acids and alcohols (e. g. methanol, ethanol, n-propanol, isopropanol, n-butanol, isobutanol, β-methoxyethanol, β-ethoxyethanol, β,β-difluoroethanol, β,β,β-trifluoroethanol, allyl alcohol, β-methallyl alcohol, β-chloroallyl alcohol, β-cyclohexanol, β-nitroethanol, ethylene glycol, glycerol, cyclohexanol, tetrahydrofurfuryl alcohol, benzyl alcohol, hexahydrobenzyl alcohol, β-phenylethanol, etc.) which give rise to esters of polyfluoromethylacrylic acids.

113,109. STAKE-TYPE FASTENER AND METHOD OF MAKING SAME. Ezra Robert Sklar, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Aug. 30, 1949. Published Feb. 17, 1953. Class 85—32. 1 sheet of drawings. 7 pages of specification.



A stake-type fastener 1 for securing screws, or the like, to a soft sheet metal body is turned from rod stock material. The steps in producing the fastener are:

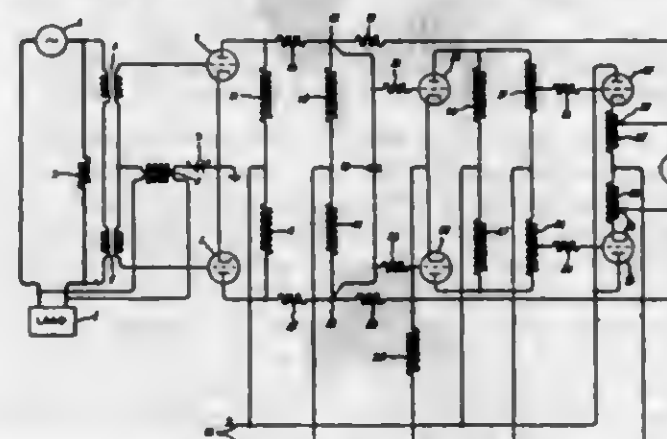
A hub 4 is turned on the end of the rod. The outer surface of the rod adjacent to the end is knurled to produce a series of ribs 7. The center of the rod is drilled and tapped to produce a threaded hole 2. The end surface between the hub 4 and the knurled edge is undercut to provide an inclined surface 8a.

The fastener is then cut off from the rod. When the fastener is forced into a suitable hole 5 in a sheet metal member 6, the stakes 8, formed by knurled ribs 7 and the inclined surface 8a, are clinched, securing the fastener to the member 6.

118,347. ALTERNATING CURRENT WATTMETER CIRCUIT FOR USE WITH DIRECT CURRENT INDICATING INSTRUMENT. Donald E. Bovey, West Albany, N. Y., assignor to General Electric Company, a corporation of New York. Filed Sept. 28, 1949. Published Feb. 17, 1953. Class 171—95.22. 1 sheet of drawings. 9 pages of specification.

In an alternating current wattmeter of the type having a modulator with two non-linear impedance elements 7 and 8 connected in push-pull relationship to produce an output alternating voltage across its output terminals having a direct current component corresponding in magnitude to load power consumed when the modulator is connected to an alternating current load in a power measuring relationship, a voltage dividing network comprising a first pair of resistors 14 and 18 connected in series across the output terminals of said modulator, said resistors having single corresponding intermediate points 17 and 18, a first pair of electron discharge devices 24 and 25 connected as a push-pull voltage amplifier, means 22 and 23 connecting each of said intermediate points 17 and 18 to the input circuit of a respective one of said first pair of discharge devices,

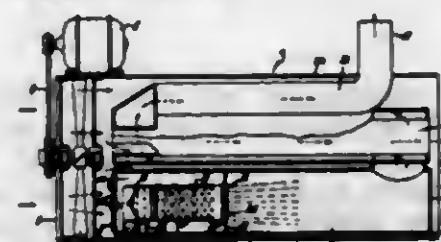
capacitive filtering means 21 connected across said intermediate points 17 and 18 for attenuating the alternating voltage component of said output voltage, a second pair of electron discharge devices 28 and 30 connected as a push-pull impedance changing means for supplying output power connected to the output circuit of said push-pull voltage amplifier, a direct current measuring device 27 connected to the output circuit of said second pair of discharge devices for measuring said direct current component, and



feedback means for providing amplification of said direct current component at a constant ratio comprising a second pair of resistors 16 and 20 having each resistor thereof connected between one terminal of said measuring device and one of said intermediate points 17 and 18.

Use is made of the wattmeter described with its associated amplifying, filtering and feedback features in measuring alternating current power at very low power factors where the alternating voltage component is much larger than the direct voltage component to be indicated on the direct current instrument.

130,143. COMBUSTION APPARATUS. James H. Oliver, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York. Filed Nov. 30, 1949. Published Feb. 17, 1953. Class 126—110. 1 sheet of drawings. 10 pages of specification.



This disclosure relates to a combustion apparatus for heating air to be used in crop curing. It includes a housing 1 having a cool air inlet 2, a warm air outlet 3, and a fan 4. Within the housing is a combustion apparatus comprising an elongated substantially cylindrical inner liner 7 having a dome portion 18 closing one end thereof, the cylindrical portion of the liner and the dome defining a combustion chamber. A closed housing defining a plenum air chamber 14 is located around the combustion chamber, the housing including a substantially cylindrical wall located in spaced substantially coaxial relation outside the liner. Means such as an opening 8 are provided in the housing adjacent the dome for admitting air to the plenum chamber. A nozzle is positioned at approximately the apex of the dome portion for admitting fuel to the combustion chamber. Openings are provided in the dome for admitting a first portion of the air from the plenum chamber to the combustion chamber for supporting combustion of part of the fuel discharged from

the nozzle. The liner is provided with a plurality of substantially identical openings 16 in the cylindrical wall thereof arranged in substantially equally spaced relation in at least two spaced apart peripheral rows for admitting a second portion of the air from the plenum chamber to the combustion chamber for completing combustion of the fuel, the openings in the said two rows being staggered so that they are not in axial alignment. A plurality of louvers facing upstream are provided in the cylindrical portion of the liner for admitting a third portion, constituting the remainder, of the air from the plenum chamber to the combustion chamber in a manner causing such third portion to form an envelope of cooling air adjacent the inner surface of the liner. Means such as an opening 10 are provided for discharging the effluent gases from the combustion chamber. From there the gases pass through the heat exchanger consisting of flues 10, 11, and 12, and from thence to atmosphere at stack 13.

194,023. TRIFLUOROCHLOROETHYLENE COPOLYMER. William S. Barnhart, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Filed Nov. 3, 1950. Published Feb. 17, 1953. Class 260—87.5. No drawing. 19 pages of specification.

The application relates to resinous copolymers of trifluorochloroethylene with vinyl chloride, containing 75–95% of trifluorochloroethylene by weight. The resinous copolymers retain the heat and chemical resistance of homopolymeric trifluorochloroethylene, but are soluble in ketone, ester and chlorinated aliphatic solvents such as cyclohexanone, toluene, butyl acetate, and ethylene dichloride. They are preferably prepared in emulsion systems, using water soluble free radical catalysts, and with incremental addition of the vinyl chloride to the polymerization mass, since this monomer enters the copolymer at a faster rate than the trifluorochloroethylene. Polymerization time is 18 to 120 hours. Emulsion polymerization is carried out by emulsifying one part of the monomers in from about 1 to about 4 parts of water with the assistance of an emulsifying agent. Suitable emulsifiers will be sodium oleate, potassium stearate, and the sodium salts of rosin acids; the sodium alkyl sulfates and sulfonates containing from 8 to 22 carbon atoms; the sodium salts of sulfosuccinic esters and of sulfonated unsaturated dicarboxylic acids such as aconitic, citric, itaconic etc. acids, a typical commercial product being sodium di(2-ethyl hexyl) sulfosuccinate; sulfated partial fatty glycerides; and fatty esters and ethers of the hydrogenated saccharides and disaccharides such as hexitan stearate. Examples of suitable catalysts are hydrogen peroxide, potassium, sodium, or ammonium persulfates and perborates, acetyl peroxide, peracetic acid, and perbenzoic acid. The reaction mixture may also contain a redox system comprising a versalvalent metal and a reducing agent. At the close of the reaction, the unreacted monomers may be blown off, leaving behind the polymerization reaction mixture, which will usually be in the form of an extremely stable latex, which may be used as such for coating, indurating etc. or may be coagulated as by hydrochloric acid alone or with methanol or by CaCl₂, to yield the copolymer resin in powdered form. The copolymerization may also be carried out by suspending the mixed comonomers in wa-

ter in the absence of sufficient emulsifying agents to form a stable emulsion; or by dissolving the comonomers in a suitable inert solvent, or by simply mixing the comonomers. In all of these latter cases, the polymerization is brought about by adding a catalyst soluble in organic media, such as benzoyl peroxide, acetyl peroxide, or t-butyl hydroperoxide. In the case of polymerizations conducted in solution, solvents will be fluorohydrocarbons or fluorochlorohydrocarbons on the order of dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, 1,2-dichloro-1,1,2,2-tetrafluoroethane, and 2,3-dichloro-1,1,1,3,3,3-hexafluoro-2-butene. The above polymerizations will be carried out at temperatures in the range of 15°-85° C. under pressure sufficient to retain the monomers in the liquid phase.

Examples of preparations are:

Example	(I)	(II)	(III) ¹⁰	(IV)	(V)
Trifluorochloroethylene	170	180	42.5	90	500
Vinyl Chloride		20	7.5	10	
Initial charge	10				40
24 hour increments	8+6+4+2			10+10+10	
Water	300	300	100		500
Catalyst	0.4	1.0	0.1	1	1.0
Emulsifier	2.0	3	0.3		0.5
Buffer	1.0	2.0	0.2		

Notes:

- ¹ Potassium persulfate.
- ² Sodium lauryl sulfate.
- ³ Na₂B₂O₇·10H₂O.
- ⁴ Sodium stearate.
- ⁵ Sodium bicarbonate.
- ⁶ Diisopropyl perdicarbonate.
- ⁷ Gelatin.
- ⁸ Acetyl Peroxide.
- ⁹ Ammonium persulfate.
- ¹⁰ Suspension method.

The product of Example V exhibits a tensile strength of 4800 lbs./sq. in., elongation at break of 62%, Shore hardness (R-scale) of 92, and cold crack temperature of -19° C. It is plasticizable by a chlorinated biphenyl, acetylated methyl ricinoleate or di(3,5,5-trimethyl hexyl) diglycolate. A cyclohexanone solution of the product of Example II produces a coating adherent to steel, aluminum and tin-plated steel. A suggested application is as a coating on an aluminum baking pan. In general the products may be molded, calendered, or extruded at 150-250° C. into chemical and heat resistant equipment and sheetings resistant to concentrated acids and alkalis.

197,094. LAMINATED MAGNETIC CORES HAVING IMPROVED COOLING MEANS. Alfred Noel Appleyard, Rugby, England, assignor to General Electric Company, a corporation of New York. Filed Nov. 22, 1950. Published Feb. 17, 1953. Class 175-356. 1 sheet of drawings. 7 pages of specification.

The application discloses a magnetic core having a straight winding leg joined to a yoke extending across an end of the winding leg, with the leg and yoke being laminated and with the laminations thereof all parallel to each other. The leg laminations comprise groups of different width laminations, with the widest ones in the middle and progressively narrower ones on each side so as to provide a stepped cross-sectional configuration whose area substantially fills a circumscribing circle. A transverse duct longitudinally bisects the leg substantially perpendicular to the laminations. A circular cylinder of insulating material with a diameter substantially equal to that of the circumscribing circle closely surrounds the leg and extends to the ends of the

widest leg laminations. The yoke laminations are in different width groups corresponding to the lamination groups in the leg so that the widest yoke laminations are in the middle and progressively narrower ones are on each side. The edges of the yoke laminations which are farthest away

Fig. 1.

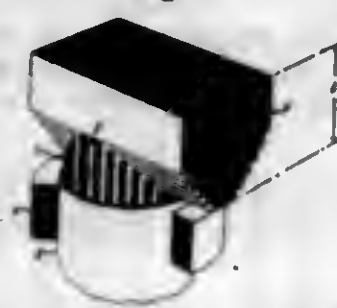


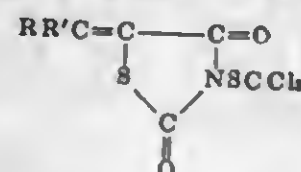
Fig. 2.



from the leg are all flush with each other so that the opposite edges of the yoke laminations which are adjacent the end of the leg are stepped whereby a passageway bounded on two sides by an edge of said cylinder and the stepped edges of the yoke laminations leads to the interior of the duct from outside the core.

220,991. TRICHLOROMETHYLSULFENYL ALKYLIDENE 2,4-THIAZOLIDINEDIONES. Chien-Pen Lo, Philadelphia, Pa., Elwood Y. Shropshire, Lenola, Moorestown, N. J., and Willard J. Croxall, Elkhart, Ind. Filed Apr. 13, 1951. Published Feb. 17, 1953. Class 260-306.7. No drawing. 10 pages of specification.

This abstract deals with compounds of the formula



wherein R' represents hydrogen or the methyl group and R represents alkyl groups of three to nine carbon atoms or the furyl group, when R' and R are taken as individual groups, and when R' and R are taken together they represent a divalent saturated alkylene chain of five carbon atoms which with the methylidene carbon forms a cyclohexyl group. These compounds are useful as fungicidal agents.

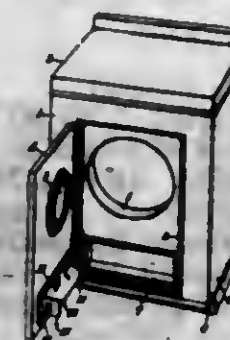
They are prepared by reacting a 5-alkylidene-2,4-thiazolidinedione, a 5-cycloalkylidene-2,4-thiazolidinedione, or 5-furfural-2,4-thiazolidinedione with trichloromethylsulfenyl chloride or bromide in the presence of an alkaline substance for taking up hydrogen halide, an alkali metal hydroxide being satisfactory for this purpose. The reaction is most conveniently carried out in the presence of an organic solvent, such as carbon tetrachloride, ethylene dichloride, benzene, toluene, naphtha, acetone, or the like. In one procedure alkali metal hydroxide and 5-alkylidene-2,4-thiazolidinedione are reacted to form a salt which is then reacted with a trichloromethylsulfenyl halide. A temperature between 20° and about 75° C. is proper for the reaction. Metal halide is separated or washed away and the reaction product is obtained as a residue, which may be further purified as desired.

Alkylidene-2,4-thiazolidinediones can be prepared by condensing propionaldehyde, butyraldehyde, nonylaldehyde, or furfuraldehyde with 2,4-thiazolidinedione in the presence of ammonium acetate, piperidine acetate, or sodium acetate with acetate acid or anhydride. Cyclohexanone may be used in place of an aldehyde.

264,902. LINT SCREENING ARRANGEMENT FOR CLOTHES DRYERS. Charles M. Hall, Trumbull, and John H. Robinson, Stepney Depot, Conn., assignor to General Electric Company, a corporation of New York. Filed Jan. 4, 1952. Published Feb. 17, 1953. Class 34-82. 1 sheet of drawings. 9 pages of specification.

This application discloses a clothes dryer having a tumbler drum enclosed within an outer casing. Clothes may be inserted through the casing into the drum through opening 6 which may be closed by an access door 5 having a window 8 therein. Door 5 is hinged to the casing for pivotal movement relative thereto. Air circulating means within the casing draws air in through a back panel of the casing, forces it over a heating element and through the tumbler drum to outlet

passageway 7. An outlet passage through door 5 is in alignment with outlet passageway 7 when the door is closed. A lint collecting device comprising a screen 25 mounted between end members 26 and 27 attached to a backing plate having a recess is slidably mounted on door 5 by means



of rails 22 and 23. Screen 25 is curved to provide a path for air flow of an area exceeding the cross-sectional area of the passageway through the door. End members 26 and 27 are provided with openings through which air can by-pass the screen if it becomes clogged.

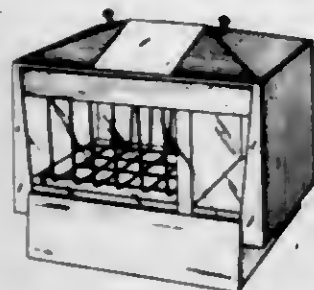
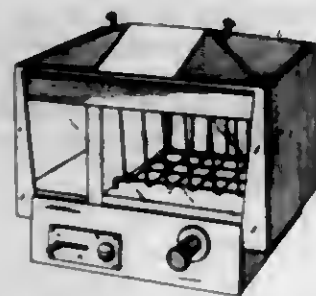
DESIGNS

FEBRUARY 17, 1953

168,817

COMBINATION HOT DOG STEAMER AND BUN WARMER

Arthur D. Altemiller, Afton, Mo., assignor to Hercules Steel Products Corporation, Gallon, Ohio, a corporation of Delaware
Application October 18, 1952, Serial No. 21,898
Term of patent 14 years
(Cl. D81-10)

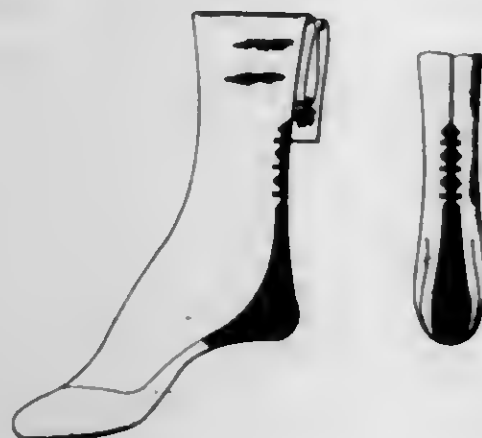


The ornamental design for a combination hot dog steamer and bun warmer, substantially as shown.

168,818

LADY'S STOCKING

George J. Apar, Long Island City, N. Y., assignor of one-half to Bambach & Roth Hosiery Mills, Philadelphia, Pa., a partnership, and one-half to Colleen Hosiery Co., New York, N. Y., a partnership
Application September 11, 1952, Serial No. 21,428
Term of patent 3½ years
(Cl. D47-7)

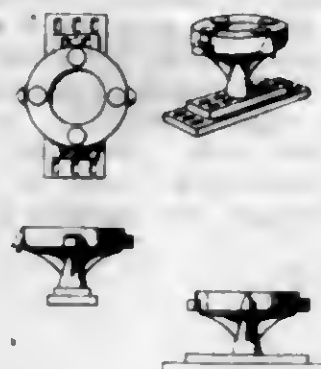


The ornamental design for a lady's stocking, substantially as shown.

168,819

MANICURING IMPLEMENT CONTAINER OR SIMILAR ARTICLE

William Beleck, Tyler, Tex.
Application March 6, 1952, Serial No. 18,807
Term of patent 3½ years
(Cl. D86-10)

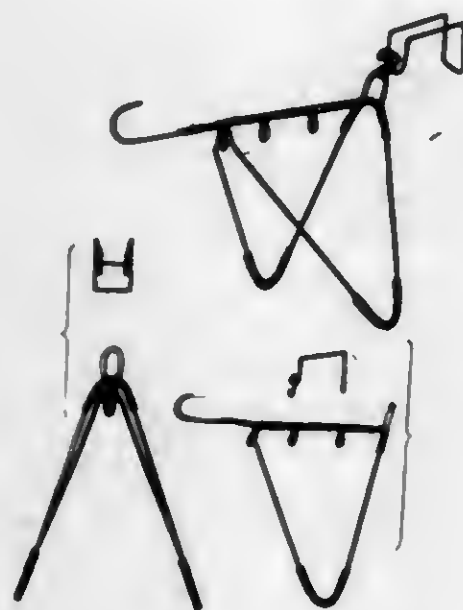


The ornamental design for a manicuring implement container or similar article, substantially as shown.

168,820

HANGER BRACKET

Alexa L. Beltramini, New York, N. Y.
Application October 8, 1952, Serial No. 21,763
Term of patent 14 years
(Cl. D33-8)



The ornamental design for a hanger bracket, substantially as shown.

FEBRUARY 17, 1953

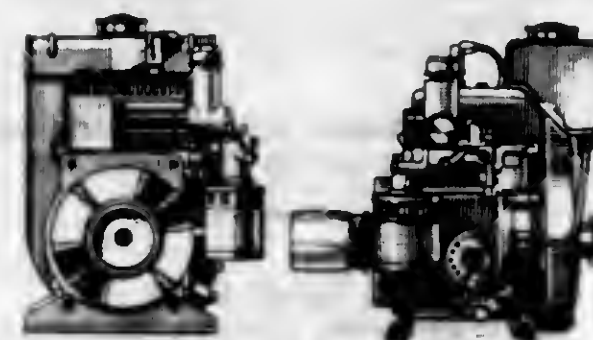
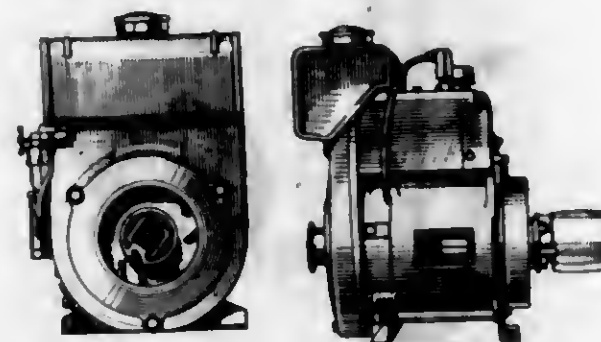
U. S. PATENT OFFICE

769

168,821

MOTOR

Jacques Bernard, Paris, France, assignors to Society "Bernard-Moteurs," S. A., Paris, France, a society of France
Application July 10, 1951, Serial No. 15,815
In France January 5, 1951
Term of patent 14 years
(Cl. D77-1)

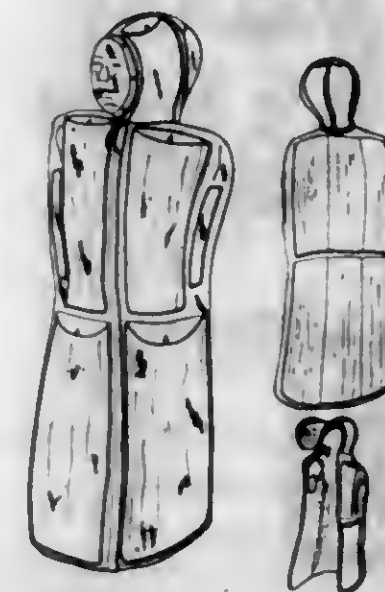


The ornamental design for a motor, as shown.

168,822

COMBINED INSULATED ROBE AND MASK

Rose M. Bland, St. Louis, Mo.
Substituted for abandoned application Serial No. 14,742, April 7, 1951. This application July 28, 1952, Serial No. 20,790
Term of patent 7 years
(Cl. D3-3)

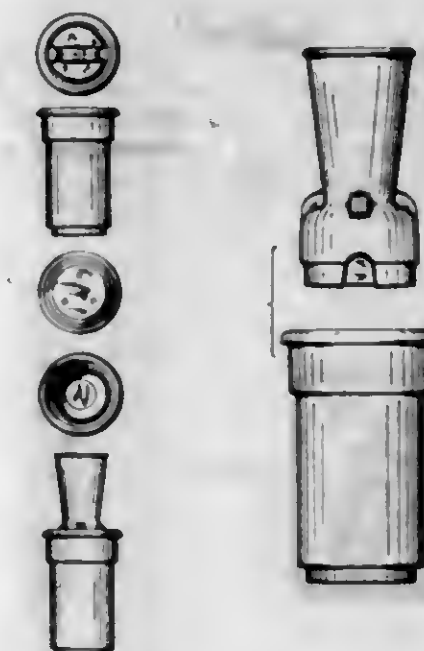


The ornamental design for a combined insulated robe and mask, as shown and described.

168,823

COMBINED CEMETERY GRAVE FLOWER HOLDER AND BASE THEREFOR

Lawrence E. Blazey, Bay Village, Ohio, assignor to Memory Vase Company, Cleveland, Ohio, a corporation of Ohio
Application June 4, 1952, Serial No. 20,038
Term of patent 3½ years
(Cl. D35-3)

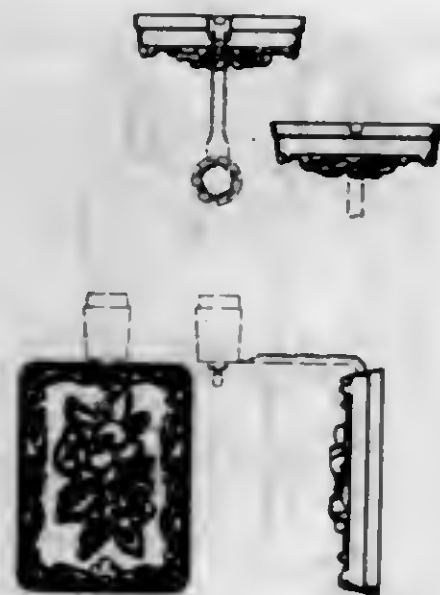


The ornamental design for a combined cemetery grave flower holder and base therefor, substantially as shown.

168,824

WALL LIGHTING FIXTURE

David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,002
Term of patent $3\frac{1}{2}$ years
(Cl. D48-4)

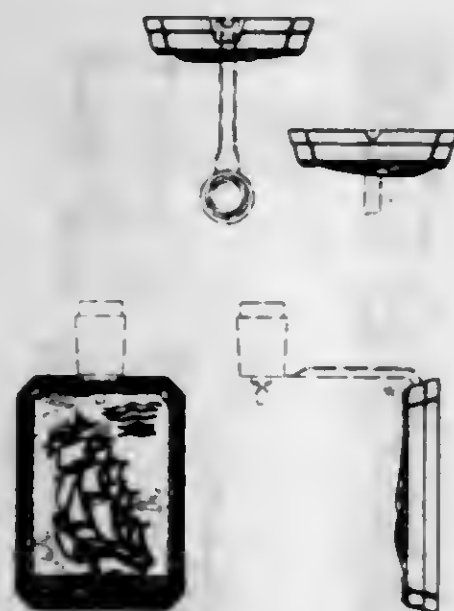


The ornamental design for a wall lighting fixture, substantially as shown and described.

168,825

WALL LIGHTING FIXTURE

David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,003
Term of patent $3\frac{1}{2}$ years
(Cl. 48-4)

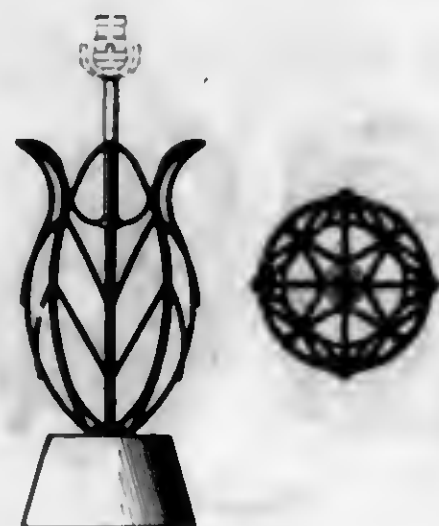


The ornamental design for a wall lighting fixture, substantially as shown and described.

168,826

ELECTRIC LAMP BASE

David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,006
Term of patent $3\frac{1}{2}$ years
(Cl. D48-20)

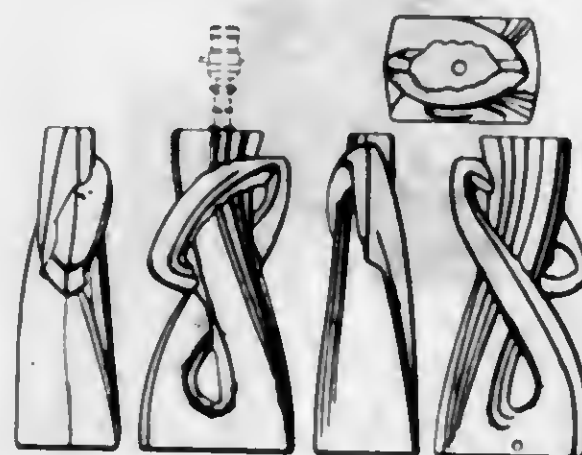


The ornamental design for an electric lamp base, substantially as shown and described.

168,827

ELECTRIC LAMP BASE

David Borowitz, Chicago, Ill.
Application October 27, 1952, Serial No. 22,008
Term of patent $3\frac{1}{2}$ years
(Cl. D48-20)

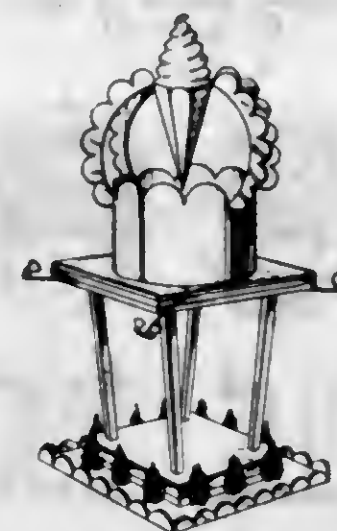


The ornamental design for an electric lamp base, substantially as shown and described.

168,828

ADVERTISING DEVICE FOR ROADSIDE STORES

Thomas Carvel, Hartsdale, N. Y.
Application June 14, 1952, Serial No. 20,211
Term of patent 14 years
(Cl. D1-2)

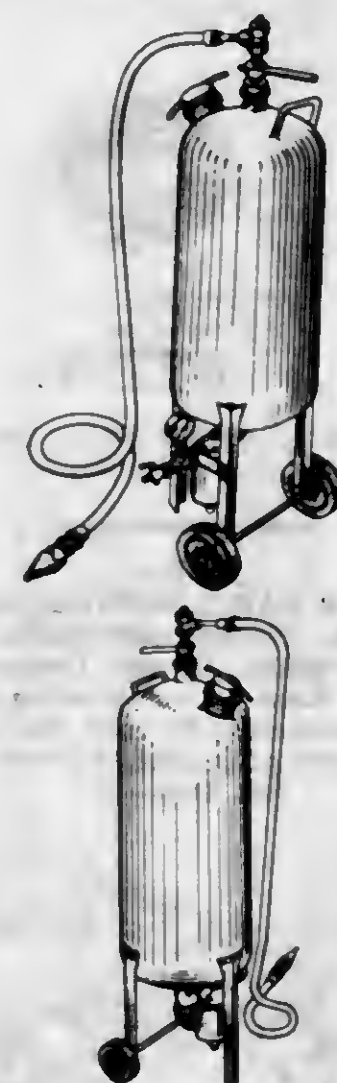


The ornamental design for an advertising device for roadside stores, as shown and described.

168,829

PORTABLE SANDBLAST MACHINE

John C. Darab, Wilkes-Barre, Pa.
Application June 16, 1951, Serial No. 15,574
Term of patent 7 years
(Cl. D62-2)

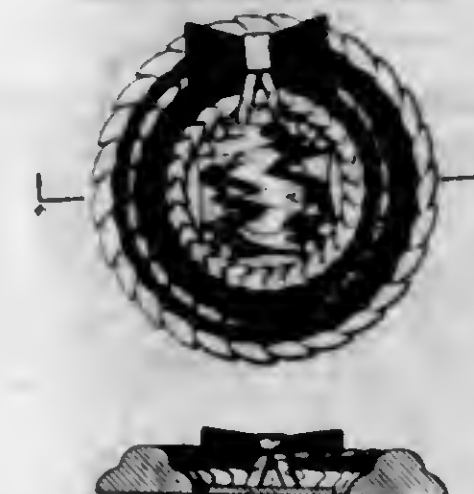


The ornamental design for a portable sandblast machine, as shown.

168,830

WREATH

Lester A. Dent, Richmond Annex, and Claire L. Basford, Richmond, Calif.
Application August 5, 1952, Serial No. 20,914
Term of patent 14 years
(Cl. D29-1)

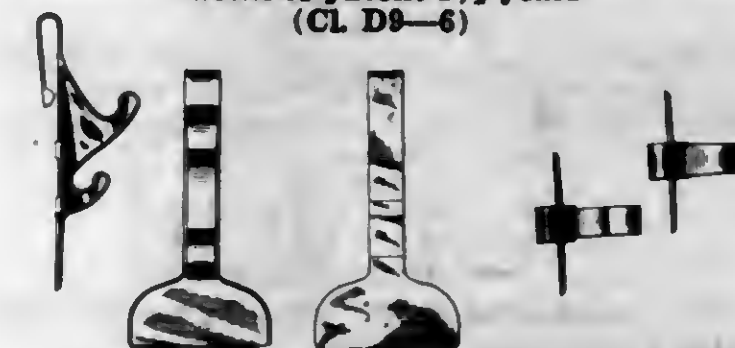


The ornamental design for a wreath, as shown.

168,831

COMBINED COAT HANGER AND ICE SCRAPER FOR AUTOMOBILES

Edgar Derlein, Oostburg, Wis.
Application December 5, 1951, Serial No. 17,622
Term of patent $3\frac{1}{2}$ years
(Cl. D9-6)

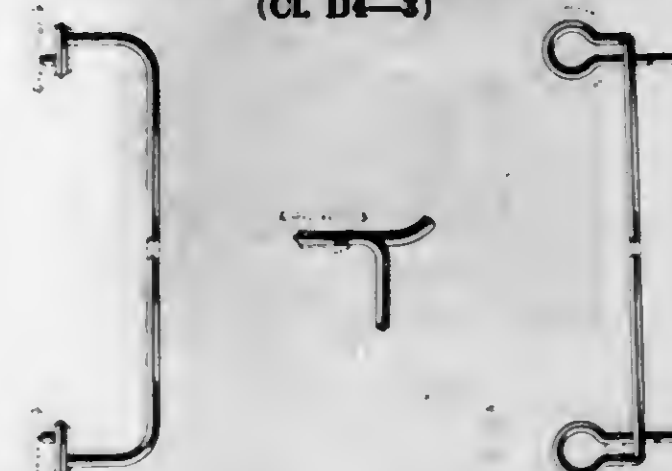


The ornamental design for a combined coat hanger and ice scraper for automobiles, as shown.

168,832

SUCTION CUP TOWEL BAR

Wilfred A. Eaton, North Woodbury, Conn., assignor to The Autoyre Company, Oakville, Conn., a corporation of Connecticut
Application April 30, 1951, Serial No. 15,025
Term of patent 14 years
(Cl. D4-3)



The ornamental design for a suction cup towel bar, substantially as shown and described.

168,833

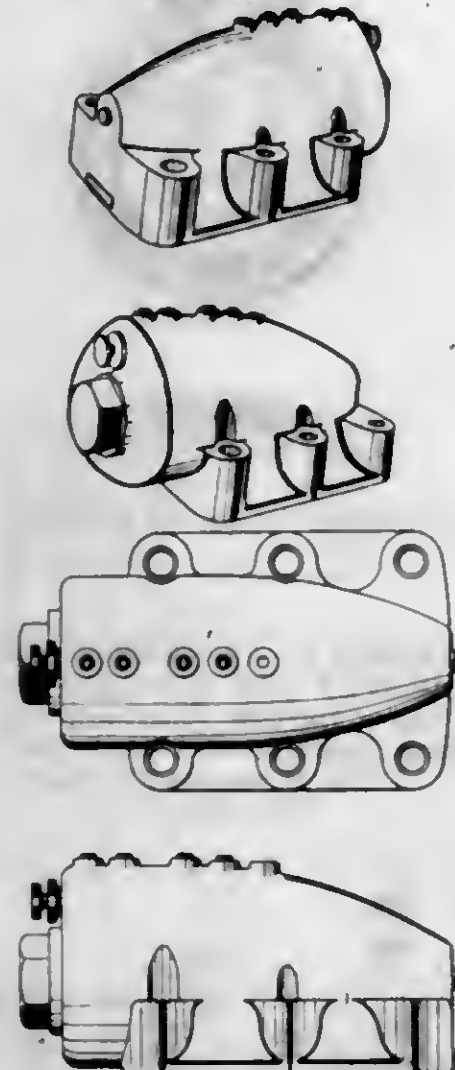
HYDRAULIC RELIEF VALVE

William E. Eschliman, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio

Application May 28, 1952, Serial No. 19,931

Term of patent 14 years

(Cl. D78-1)



The ornamental design for a hydraulic relief valve, substantially as shown.

168,834

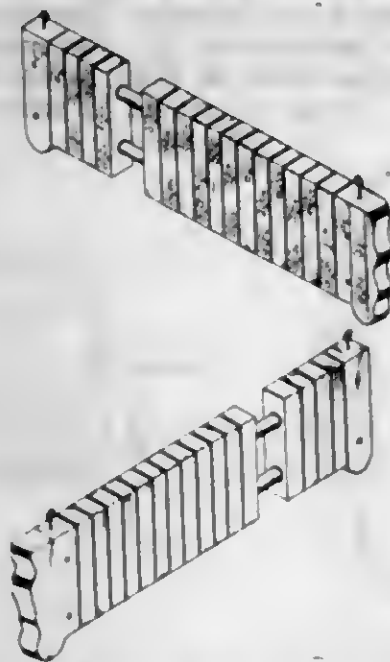
EDUCATIONAL RULE

Nicholas Farinacci, Floral Park, N. Y.

Application May 13, 1952, Serial No. 19,703

Term of patent 14 years

(Cl. D25-1)



The ornamental design for an educational rule, as shown and described.

168,835

BOX FOR FRAGILE ARTICLES

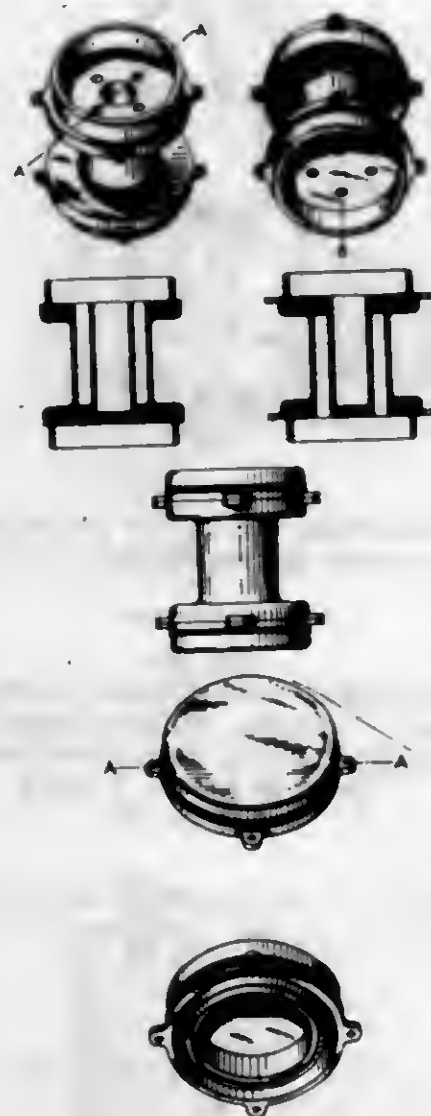
William Simon Freeman, Barnsley, England, assignor to William Freeman & Company Limited, Barnsley, England, a British company

Application February 12, 1952, Serial No. 18,494

In Great Britain August 23, 1951

Term of patent 14 years

(Cl. D58-11)



The ornamental design for a box for fragile articles, as shown.

168,836

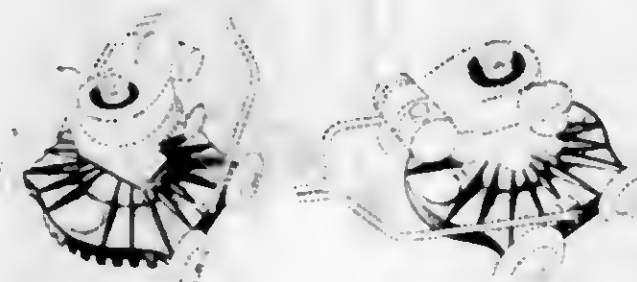
POWER LAWN MOWER HEAD

Paul W. Hainke, Hutchinson, Kans., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans., a corporation of Kansas

Application September 29, 1952, Serial No. 21,646

Term of patent 14 years

(Cl. D40-1)



The ornamental design for a power lawn mower head, as shown and described.

168,837

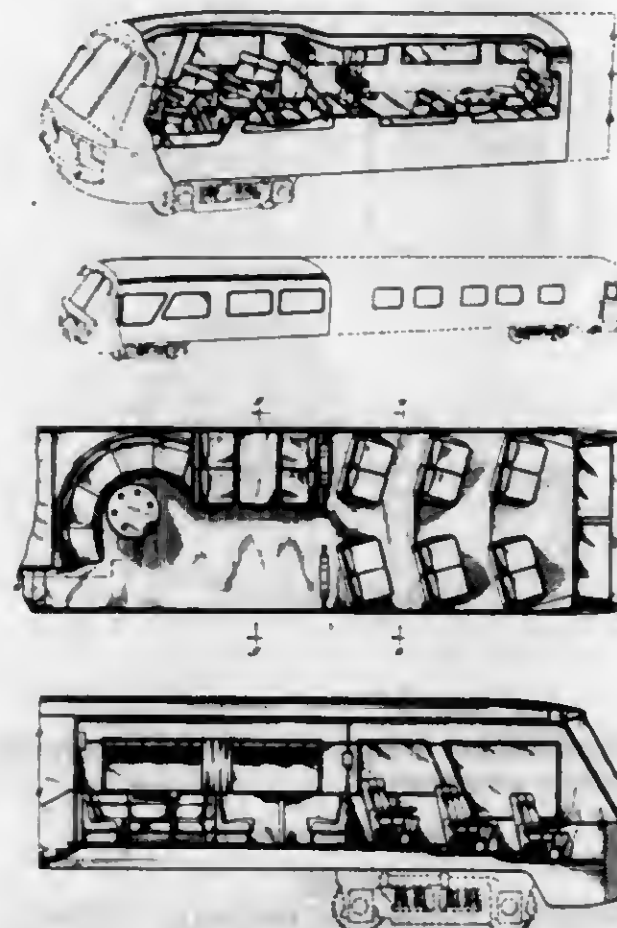
OBSERVATION CAR

Ralph W. Haman, Flossmoor, Clarence V. Norby, Chicago, and Donald W. Doman, Harvey, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

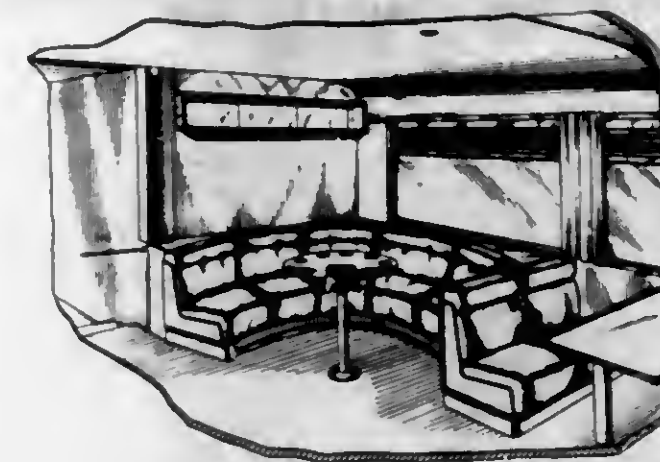
Application March 19, 1952, Serial No. 18,964

Term of patent 14 years

(Cl. D66-1)



168,837—Continued



The ornamental design for an observation car, substantially as shown and described.

168,838

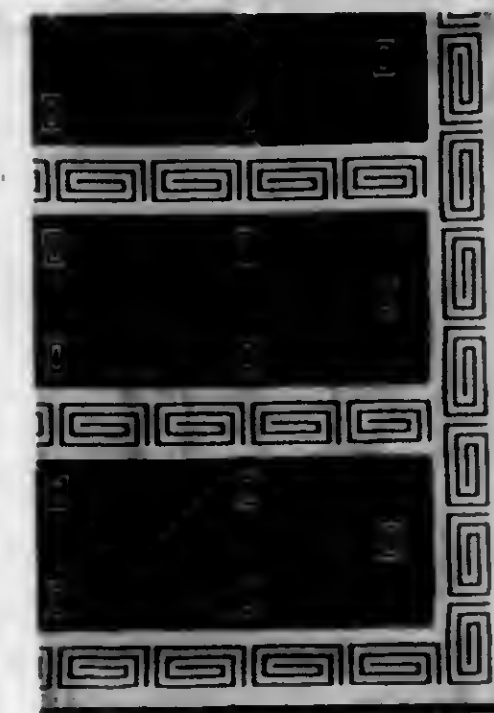
TABLECLOTH

Virginia Hamill, New York, N. Y., assignor to Quaker Lace Company, Philadelphia, Pa.

Application September 23, 1952, Serial No. 21,555

Term of patent 7 years

(Cl. D92-1)

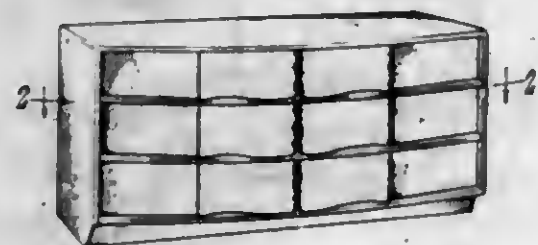


The ornamental design for a tablecloth, substantially as shown and described.

168,839

CHEST OF DRAWERS

Ernest Herrman, Hillsdale, N. J., and William J. Carr, Gardner, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application August 18, 1952, Serial No. 21,081
Term of patent $3\frac{1}{2}$ years
(Cl. D33-19)

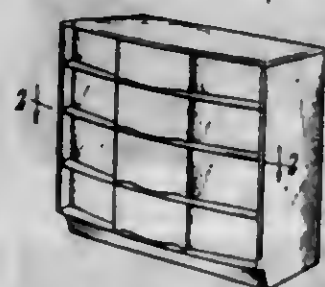


The ornamental design for a chest of drawers, substantially as shown.

168,840

CHEST OF DRAWERS

Ernest Herrman, Hillsdale, N. J., and William J. Carr, Gardner, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application August 18, 1952, Serial No. 21,082
Term of patent $3\frac{1}{2}$ years
(Cl. D33-19)

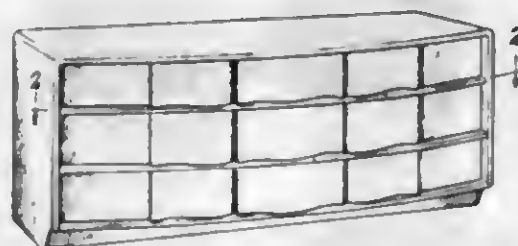


The ornamental design for a chest of drawers, substantially as shown.

168,841

CHEST OF DRAWERS

Ernest Herrman, Hillsdale, N. J., and William J. Carr, Gardner, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application August 18, 1952, Serial No. 21,083
Term of patent $3\frac{1}{2}$ years
(Cl. D33-19)

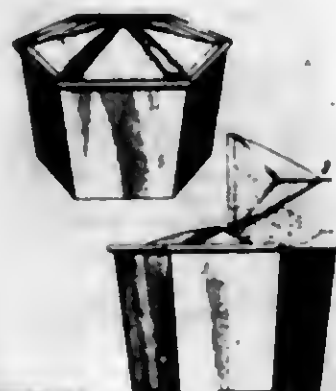


The ornamental design for a chest of drawers, substantially as shown.

168,842

COMBINED TETRAHEDRONAL SHAPED PACKAGES AND CONTAINER THEREFOR

Harry Sigurd Valdemar Järund, Lund, Sweden, assignor to Ruben Rausing, Simonstorp, Blentarp, Sweden
Application March 25, 1952, Serial No. 19,042
Term of patent 14 years
(Cl. D58-12)

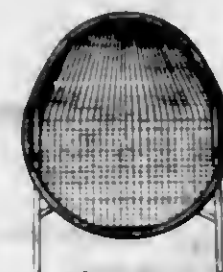
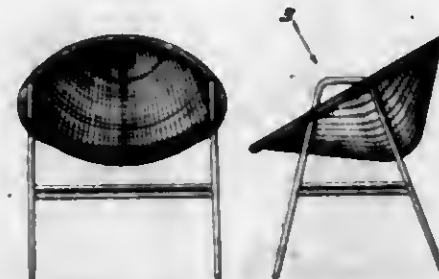


The ornamental design for combined tetrahedral shaped packages and container therefor, as shown.

168,843

CHAIR

Daniel R. Johnson, Los Angeles, Calif.
Application October 31, 1952, Serial No. 22,079
Term of patent 14 years
(Cl. D15-8)

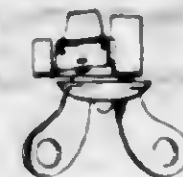
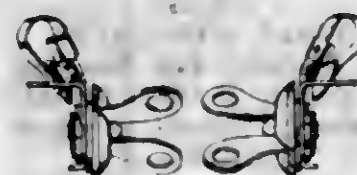
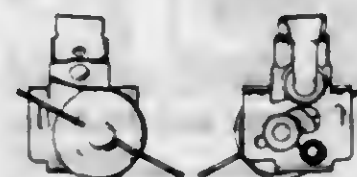


The ornamental design for a chair, substantially as shown.

168,844

CAN OPENER

Michael J. La Forte, Park Ridge, Ill., assignor to Vaughan Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 13, 1951, Serial No. 14,819
Term of patent 14 years
(Cl. D22-2)



The ornamental design for a can opener, substantially as shown.

168,845

COMBINATION DENTAL AND MEDICAL OPERATING CHAIR

Norman E. Lauterbach, Newark, N. Y., and Walter D. Teague, Annandale, N. J., assignors to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application September 15, 1951, Serial No. 16,656
Term of patent 14 years
(Cl. D15-3)

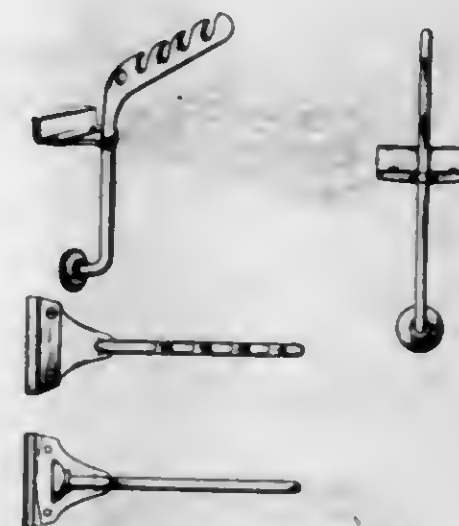


The ornamental design for a combination dental and medical operating chair, substantially as shown.

168,846

HANGER

William Lincoln and James De Muth, Huntington Park, Calif.
Application September 2, 1952, Serial No. 21,382
Term of patent 14 years
(Cl. D14-6)



The ornamental design for a hanger, substantially as shown.

168,847

BAKING MOLD

May MacGregor, New York, N. Y.
Application April 2, 1952, Serial No. 19,161
Term of patent 7 years
(Cl. D44-1)

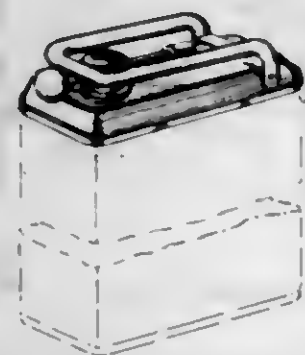


The ornamental design for a baking mold, substantially as shown and described.

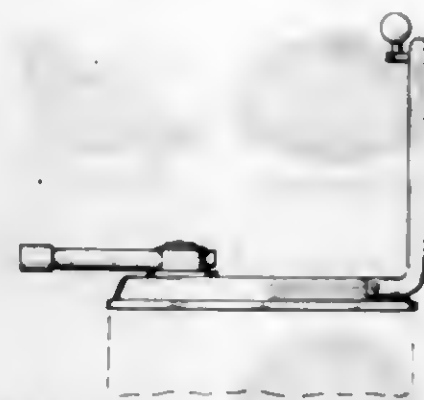
168,848

DISPENSING CAN

William Mack, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Army
Application June 9, 1952, Serial No. 20,101
Term of patent 3½ years
(Cl. D58-17)



168,848—Continued

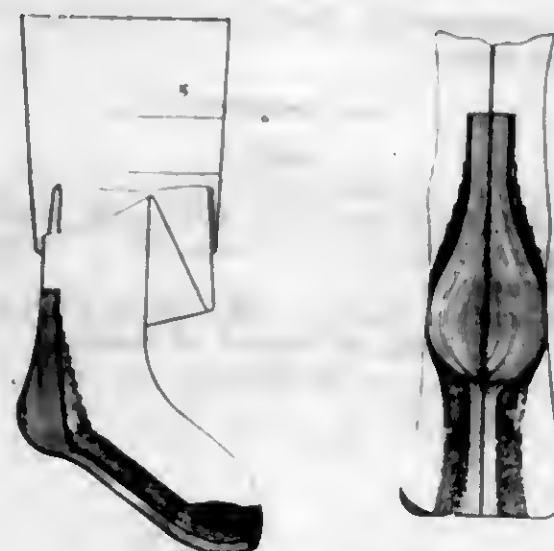


The ornamental design for a dispensing can, substantially as shown and described.

168,849

LADY'S STOCKING

Charlie A. Miles, Burlington, N. C.
Application May 14, 1951, Serial No. 15,167
Term of patent 14 years
(Cl. D47-7)

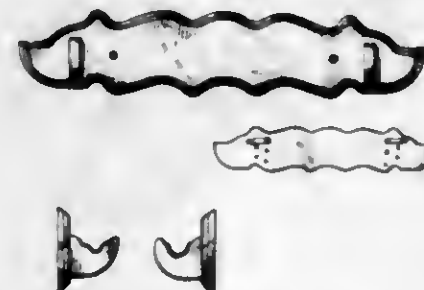


The ornamental design for a lady's stocking, substantially as shown and described.

168,850

WALL GUNRACK

Harry E. Monroe, Los Angeles, Calif.
Application March 7, 1952, Serial No. 18,814
Term of patent 14 years
(Cl. D33-3)

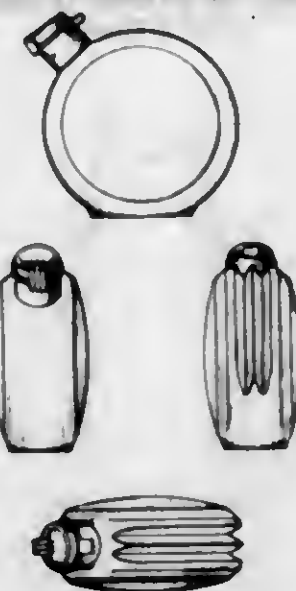


The ornamental design for a wall gun rack, as shown.

168,851

FLEXIBLE BOTTLE

Jules Montenier, Chicago, Ill.
Application December 5, 1952, Serial No. 22,567
Term of patent 14 years
(Cl. D58-6)



The ornamental design for a flexible bottle, as shown.

168,852

BOX FOR A GIRDLE

Benjamin Murdock, Brooklyn, N. Y.
Application May 6, 1952, Serial No. 19,620
Term of patent 7 years
(Cl. D58-11)



The ornamental design for a box for a girdle, as shown.

168,853

NARROW TEXTILE FABRIC OR THE LIKE

Siegfried L. Oppenheimer, New York, N. Y.
Application June 24, 1952, Serial No. 20,323
Term of patent 7 years
(Cl. D92-1)

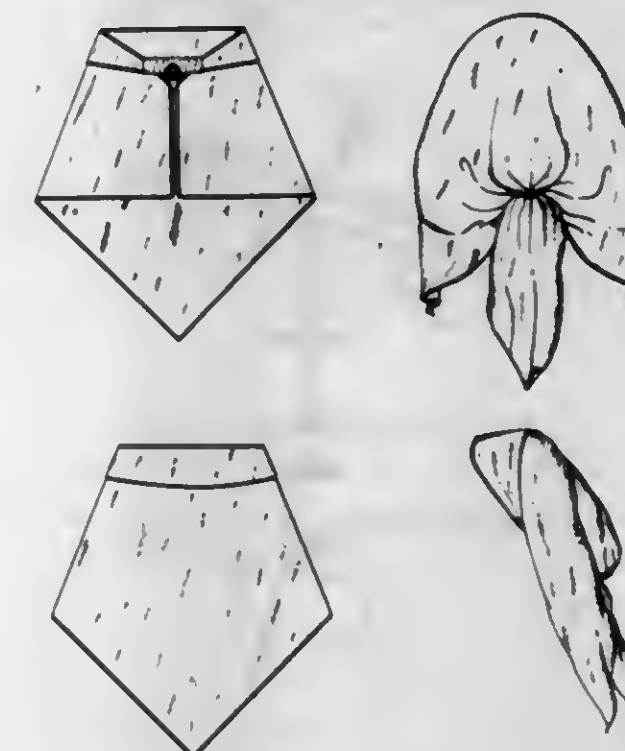


The ornamental design for a narrow textile fabric or the like, substantially as shown.

168,854

HEAD SCARF

Sylvia Orner, Miami Beach, Fla.
Application March 28, 1952, Serial No. 19,085
Term of patent 14 years
(Cl. D3-18)

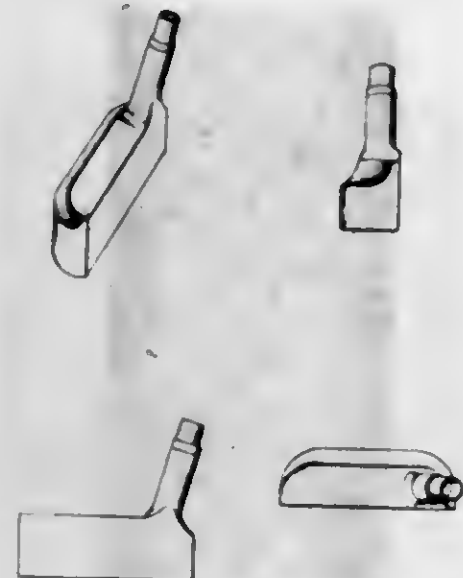


The ornamental design for a head scarf, as shown.

168,855

GOLF PUTTER HEAD

Melvin Paynor, Providence, R. I.
Application April 17, 1952, Serial No. 19,363
Term of patent $3\frac{1}{2}$ years
(Cl. D34—5)

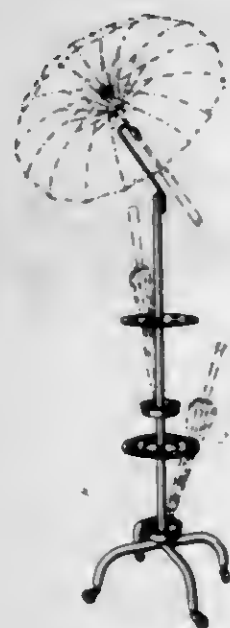


The ornamental design for a golf putter head, as shown.

168,856

UMBRELLA DISPLAY STAND

Leonard Peyser, White Plains, N. Y., assignor to
Essex Manufacturing Co. Inc., New York, N. Y.,
a corporation of New York
Application April 18, 1952, Serial No. 19,379
Term of patent 14 years
(Cl. D86—9)

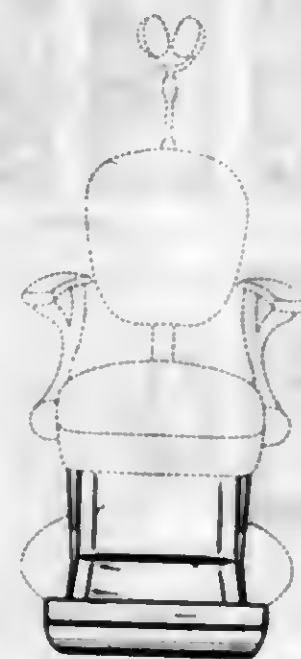
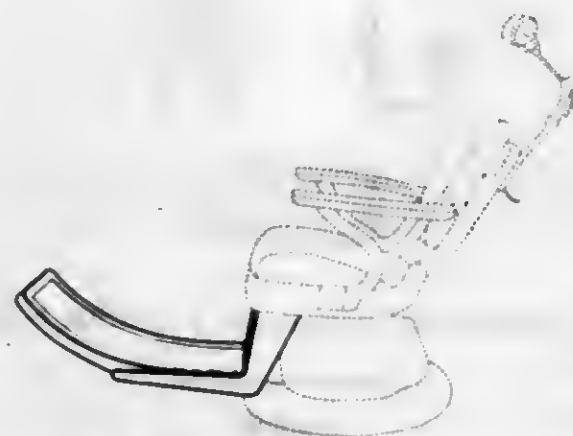


The ornamental design for an umbrella display stand, substantially as shown and described.

168,857

DENTAL CHAIR OR THE LIKE

Edward J. Ries, Brighton, N. Y., assignor to Ritter
Company, Inc., Rochester, N. Y., a corporation
of Delaware
Application October 6, 1952, Serial No. 21,709
Term of patent 14 years
(Cl. D15—3)

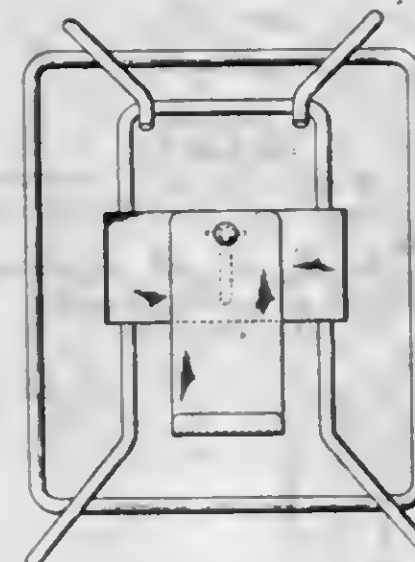
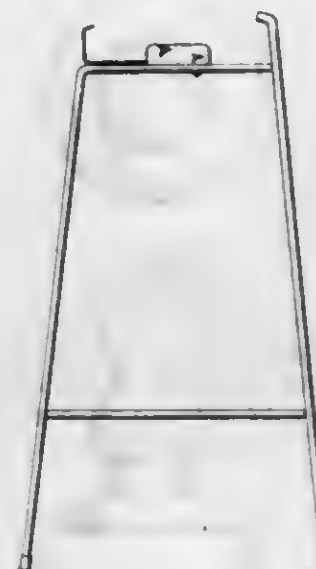


The ornamental design for a dental chair or the like, substantially as shown and described.

168,858

TELEPHONE STAND OR SIMILAR ARTICLE

Elmer Rucker, Shaker Heights, Ohio
Application August 30, 1952, Serial No. 21,244
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a telephone stand or similar article, substantially as shown.

168,859

SHIRT

Everett S. Ruskay, Cedarhurst, N. Y., assignor to
Publix Shirt Corporation, New York, N. Y., a
corporation of New York
Application January 3, 1952, Serial No. 17,907
Term of patent $3\frac{1}{2}$ years
(Cl. D3—25)



The ornamental design for a shirt, as shown.

168,860

BROODER HEATER

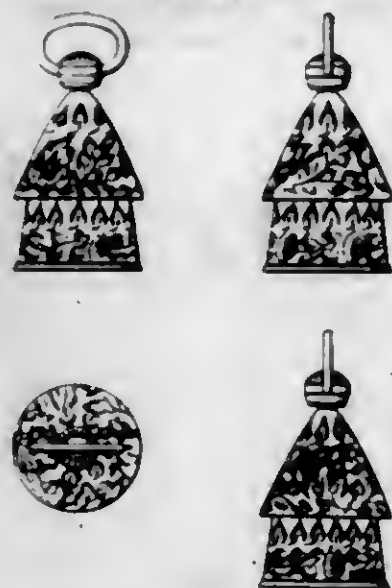
William Rusnak, Chicago, and Wilbert G. Stoll,
Evanston, Ill., assignors to Afco-Lite Corpora-
tion, Chicago, Ill.
Application October 2, 1952, Serial No. 21,672
Term of patent $3\frac{1}{2}$ years
(Cl. D12—2)



The ornamental design for a brooder heater, substantially as shown and described.

**168,861
BELL**

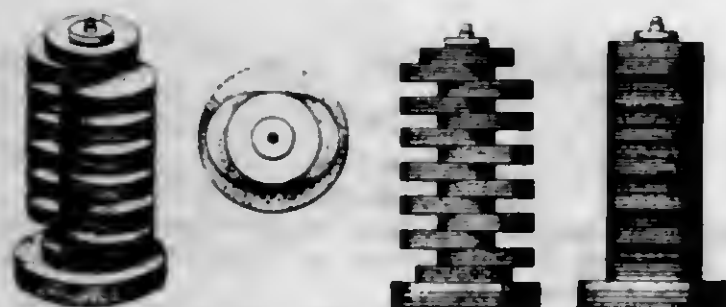
Saffan Singh Sarna, New York, N. Y.
Application June 18, 1952, Serial No. 20,242
Term of patent 7 years
(Cl. D29-1)



The ornamental design for a bell, as shown.

**168,862
LAMP BASE**

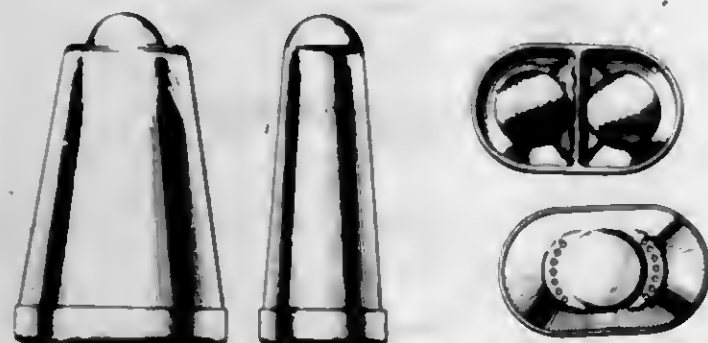
William S. Sawle, III, Evanston, Ill.
Application November 8, 1952, Serial No. 22,197
Term of patent 14 years
(Cl. D48-20)



The ornamental design for a lamp base, substantially as shown.

**168,863
CONDIMENT HOLDER**

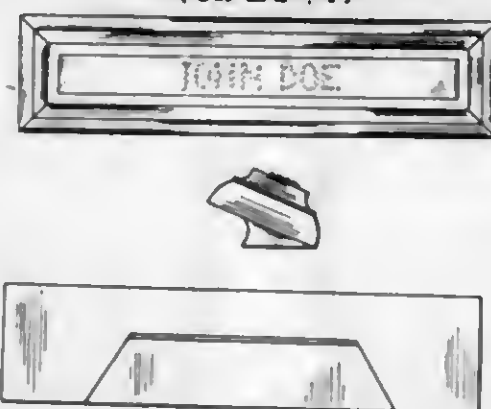
William Dow Scalf, Barbourville, Ky.
Application May 24, 1950, Serial No. 10,133
Term of patent 3½ years
(Cl. D44-22)



The ornamental design for a condiment holder, as shown.

**168,864
NAME PLATE**

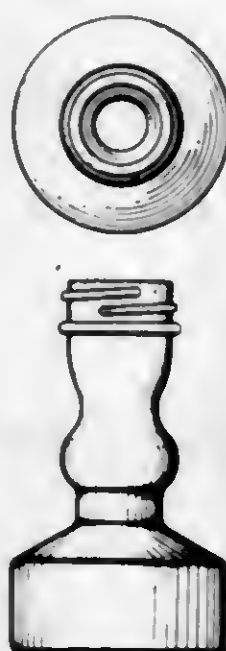
Seymour Schneider, Astoria, N. Y.
Application May 22, 1952, Serial No. 19,823
Term of patent 3½ years
(Cl. D1-7)



The ornamental design for a name plate, as shown.

**168,865
BOTTLE**

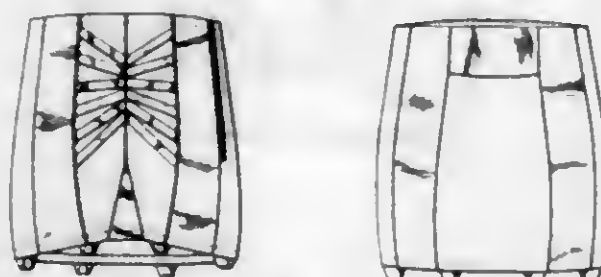
Abraham Y. Schultz, University City, Mo.
Application October 14, 1952, Serial No. 21,825
Term of patent 14 years
(Cl. D58-8)



The ornamental design for a bottle, as shown.

**168,866
GIRDLE**

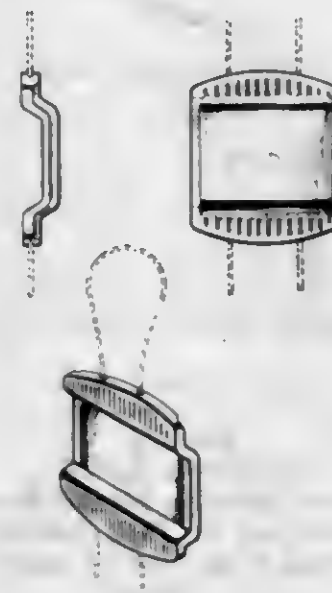
Harry Steiner, New York, N. Y., assignor to Corde De Parle Corset Co., Inc., Brooklyn, N. Y., a corporation
Application March 24, 1952, Serial No. 19,025
Term of patent 14 years
(Cl. D20-2)



The ornamental design for a girdle, substantially as shown and described.

**168,867
SEAL**

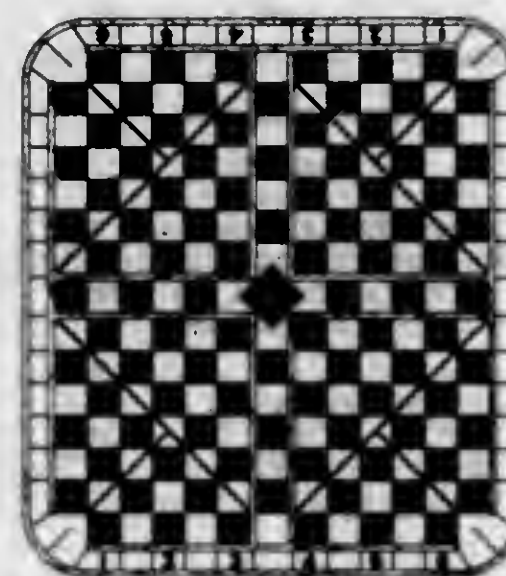
Hans F. Stoffel, Scarsdale, N. Y.
Substituted for abandoned application Serial No. 13,301, December 7, 1950. This application December 8, 1951, Serial No. 17,649
Term of patent 14 years
(Cl. D64-1)



The ornamental design for a seal, as shown and described.

**168,868
GAME BOARD**

Stephen A. Streb, Rochester, N. Y.
Application October 10, 1952, Serial No. 21,782
Term of patent 14 years
(Cl. D34-5)



The ornamental design for a game board, as shown and described.

**168,869
APPLIQUE EMBLEM OR THE LIKE**

Hans Tobler, Teaneck, N. J.
Application November 8, 1952, Serial No. 22,195
Term of patent 3½ years
(Cl. D3-9)



The ornamental design for an applique emblem or the like, substantially as shown.

168,870

WATCH BRACELET OR THE LIKE
Louis E. Valcourt, East Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application September 20, 1952, Serial No. 21,529
Term of patent 7 years
(Cl. D45-4)



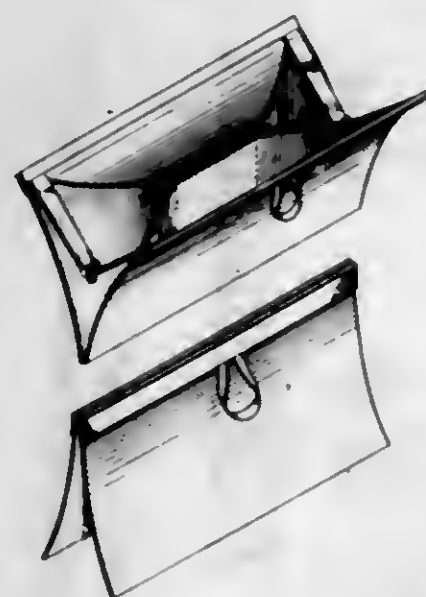
The ornamental design for a watch bracelet or the like, substantially as shown.

168,871
DISPENSER STOPPER FOR A BOTTLE
 August L. Veight, Berea, Ohio
 Application July 18, 1951, Serial No. 15,932
 Term of patent $3\frac{1}{2}$ years
 (Cl. D58-10)



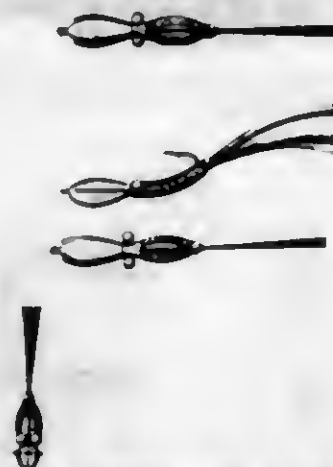
The ornamental design for a dispenser stopper for a bottle, as shown.

168,872
LADY'S HANDBAG
 Albert J. Waldman, New York, N. Y.
 Application March 15, 1952, Serial No. 18,923
 Term of patent $3\frac{1}{2}$ years
 (Cl. D87-3)



The ornamental design for a lady's handbag, substantially as shown.

168,873
FISHING LURE
 Aaron Ernest Woolfe, Miami Beach, Fla.
 Application August 22, 1952, Serial No. 21,157
 Term of patent 14 years
 (Cl. D31-4)



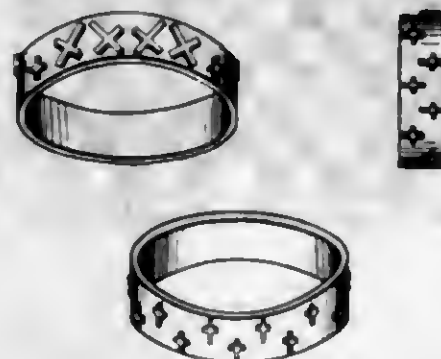
The ornamental design for a fishing lure, as shown.

168,874
FISHING LURE
 Aaron Ernest Woolfe, Miami Beach, Fla.
 Application August 22, 1952, Serial No. 21,158
 Term of patent 14 years
 (Cl. D31-4)



The ornamental design for a fishing lure, as shown.

168,875
RING
 Andrew Zimet, New York, N. Y.
 Application September 14, 1951, Serial No. 16,632
 Term of patent $3\frac{1}{2}$ years
 (Cl. D45-10)



The ornamental design for a ring, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- A/S Figfort Figurkomfort Korsettfabrikk, Oslo, Norway. Corsets, girdles, and brassieres. Serial No. 611,553, Feb. 17, Class 39.
- A/S Kymela, Copenhagen, Denmark. Solutions (or solids for use in preparing solutions) for impregnation. Serial No. 629,707, Feb. 17, Class 6.
- Abbott Laboratories, North Chicago, Ill. Selenium sulfide preparations. Serial No. 625,382, Feb. 17, Class 18.
- Abramowitz, Curt E., Brooklyn, N. Y. Medicinal tooth powder. Serial No. 617,180, Feb. 17, Class 18.
- Abrams, Robert R., East Orange, N. J. Sound-absorbing board materials. Serial No. 628,182, Feb. 17, Class 12.
- Academie Scientifique de Beaute, Paris and Colombes (Seine), France. Perfume, eau de cologne, face creams, etc. Serial No. 601,294, Feb. 17, Class 51.
- Aircraft Armaments, Inc., Baltimore, Md. Locking latches and buckles. Serial No. 631,592, Feb. 17, Class 25.
- Akilebolaget Vibro-Verken, Stockholm, Sweden. Brackets and locking levers and locking bolts. Serial No. 633,441, Feb. 17, Class 13.
- Algin Corporation of America, New York, N. Y. Refined Irish moss extract. Serial No. 623,325, Feb. 17, Class 6.
- Algin Corporation of America, New York, N. Y. Refined sodium carrageenate. Serial No. 623,328, Feb. 17, Class 6.
- Allied Knitting Mills, New York, N. Y. Men's and boys' neckties, sport shirts, basque shirts. Serial No. 618,278, Feb. 17, Class 39.
- Allube Corporation, Glendale, Calif. Liquid and solid lubricants. Serial No. 628,248, Feb. 17, Class 15.
- Alpa Cheese Company: See—
 Grossniklaus, Alice J.
 Grossniklaus, Alice J.
- Alpine-Alpa Cheese: See—
 Grossniklaus, Alice J.
 Grossniklaus, Alice J.
- American Bldglok Company, Chicago, Ill. Pre-mixed dry plaster, pre-mixed concrete, pre-mixed light weight insulating plaster, etc. Serial No. 624,581, Feb. 17, Class 12.
- American Brake Shoe Company, New York, N. Y. Rail anchoring stud. Serial No. 632,282, Feb. 17, Class 14.
- American Iron Works, Inc., East Grand Forks, Minn. Attachments adapted to be mounted upon the rear of grain combines. Serial No. 608,733, Feb. 17, Class 23.
- American Linen Supply Co., sometimes doing business as Steiner Sales Company Division of American Linen Supply Co., Carson City, Nev., and Chicago, Ill. Cabinets for dispensing paper towels. Serial No. 580,868, Feb. 17, Class 2.
- Anderson, V. D., Company, The, Cleveland, Ohio. Separators. Serial No. 623,496, Feb. 17, Class 23.
- Approved Comics, Inc., New York, N. Y. Magazines. Serial No. 628,905, Feb. 17, Class 38.
- Approved Comics, Inc., New York, N. Y. Magazines. Serial No. 628,911, Feb. 17, Class 38.
- Aquadyne Corporation, New York, N. Y. Cylinder, pipe lines, and valves. Serial No. 617,273, Feb. 17, Class 13.
- Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Liquid composition for addition to foundry core, molding and facing sand mixtures, etc. Serial No. 613,433, Feb. 17, Class 1.
- Arnold Products, Inc., Opa-Locka, Fla. Doors. Serial No. 629,186, Feb. 17, Class 12.
- Arnold Products, Inc., Opa-Locka, Fla. Storm windows. Serial No. 629,187, Feb. 17, Class 12.
- Associated Merchandising Corporation, The, New York, N. Y. Clothes hampers. Serial No. 628,029, Feb. 17, Class 2.
- Asthmanefrin Company, Incorporated, doing business under the assumed business name and style of Vaponefrin Company, Portland, Oreg., and Upper Darby, Pa. Solution used in the treatment of asthma and hay fever. Serial No. 629,341, Feb. 17, Class 18.
- Atlantic Sponge & Chamola Corporation, New York, N. Y. Chamola. Serial No. 625,571, Feb. 17, Class 1.
- Bacon-Scott Co., Inc., New York, N. Y. Hosiery. Serial No. 629,084, Feb. 17, Class 39.
- Baker Castor Oil Company, The, Jersey City, N. J. Castor oil, which is used as a dielectric in electrical equipment. Serial No. 621,612, Feb. 17, Class 21.
- Ballantyne of Peebles, Inc., New York, N. Y. Men's, women's, boys', and girls' sweaters. Serial No. 630,695, Feb. 17, Class 39.
- Banff Products Corp., New York, N. Y. Laxative salt. Serial No. 629,764, Feb. 17, Class 18.
- Bath Tyre Service Depot Limited, Kensington, Bath, Somerset, England. Flower pots and dish-like flower pot holders. Serial No. 619,068, Feb. 17, Class 2.
- Behr-Manning Corporation, Troy, N. Y. Flexible and inflexible abrasives. Serial No. 633,294, Feb. 17, Class 4.
- Bendix Aviation Corporation, Detroit, Mich. Vehicle brakes and parts thereof and operating connections therefor, etc. Serial No. 627,422, Feb. 17, Class 19.
- Berry Asphalt Company, Chicago, Ill., and Magnolia, Ark. Fine aggregate coated with chemically treated asphalt. Serial No. 627,620, Feb. 17, Class 12.
- Bols, Erven Lucas, Incorporated, Englewood, N. J. Gln. Serial No. 623,642, Feb. 17, Class 49.
- Borax Consolidated, Limited, doing business as Pacific Coast Borax Co., Division of Borax Consolidated, Limited, London, England, and Los Angeles, Calif. Boric acid granules. Serial No. 625,094, Feb. 17, Class 4.
- Borden Company, The, New York, N. Y. Blaculte. Serial No. 617,979, Feb. 17, Class 46.
- Borg-Warner Corporation, Chicago, Ill. Closures for openings in buildings. Serial No. 620,799, Feb. 17, Class 12.
- Borun Bros., Los Angeles, Calif. Dietary supplement. Serial No. 619,154, Feb. 17, Class 18.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotic derivative. Serial No. 626,302, Feb. 17, Class 18.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Penicillin derivative. Serial Nos. 626,304-5, Feb. 17, Class 18.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotic derivative. Serial No. 626,307, Feb. 17, Class 18.
- Bristol Laboratories Inc., New York and Syracuse, N. Y. Antibiotic combination. Serial No. 626,366, Feb. 17, Class 18.
- Brown, R. J., Company, The, St. Louis, Mo. Naphthas. Serial No. 626,781, Feb. 17, Class 6.
- Burrus Feed Mills: See—
 Burrus Mills, Incorporated.
- Burrus Mills, Incorporated, Dallas, also doing business under the name and style of Burrus Feed Mills, Fort Worth, Tex. Feeds. Serial No. 628,810, Feb. 17, Class 46.
- C. Schona Fabrikker A/S, Copenhagen, Denmark. Grooved phonograph records and non-electrical and non-magnetized recording wire and recording tape, etc. Serial No. 604,335, Feb. 17, Class 36.
- Callaway Mills Company, La Grange, Ga. Textile carpets and rugs. Serial No. 629,932, Feb. 17, Class 42.
- Casa Products Company: See—
 Cassidy, Peter L.
- Cassidy, Peter L., doing business as Casa Products Company, Chicago, Ill. Plastic sealing compound. Serial No. 625,338, Feb. 17, Class 12.
- Certain-teed Products Corporation, Ardmore, Pa. Calced gypsum plaster. Serial No. 621,544, Feb. 17, Class 12.
- Certain-teed Products Corporation, Ardmore, Pa. Flooring compound. Serial No. 622,142, Feb. 17, Class 12.
- Cesco, San Francisco, Calif. Magnetic separator for conduits. Serial No. 618,840, Feb. 17, Class 21.
- Chadbourne Hosiery Mills, Incorporated, Charlotte, N. C. Ladies' hosiery. Serial No. 633,256, Feb. 17, Class 39.
- Chapel Records: See—
 Pacific Union Conference of Seventh-Day Adventists.
- Chemische Forachungsgesellschaft m. b. H., Munich, Bavaria, Germany. Saponified polyvinyl acetate. Serial No. 633,821, Feb. 17, Class 6.
- Chilman Chemical Company, Inc., Bound Brook, N. J. Chemical plant spray. Serial No. 617,436, Feb. 17, Class 6.
- Cleveland Mills Co., Lawndale, N. C. Shoe laces. Serial No. 632,659, Feb. 17, Class 40.
- Clequot Club Company, Millis, Mass. Maltless soft drinks and carbonated waters. Serial No. 622,881, Feb. 17, Class 45.
- Clover Farm Stores Corporation, Cleveland, Ohio. Canned foods, frozen foods. Serial No. 562,766, Feb. 17, Class 46.
- Coast Insulating Products, Los Angeles, Calif. Rock wool. Serial No. 541,513, Feb. 17, Class 12.
- Collin Pharmacal Co., Inc., Long Island City, N. Y. Pharmaceutical preparation. Serial No. 604,073, Feb. 17, Class 18.
- Collin Pharmacal Co., Inc., Long Island City, N. Y. Medicinal preparation. Serial No. 633,661, Feb. 17, Class 18.
- Collin Pharmacal Co., Inc., Jersey City, N. J. Medicinal preparation. Serial No. 633,663, Feb. 17, Class 18.
- Commerce Oil Corporation, Warren, Pa. Lubricating oils and petroleum waxes. Serial No. 613,905, Feb. 17, Class 15.
- Commercial Controls Corporation, Rochester, N. Y. Power operated typewriting means featuring an attachment or part, and final copy power operated typewriting machines. Serial No. 593,529, Feb. 17, Class 23.
- Convoy, Incorporated, Canton, Ohio. Corrugated paper in sheet form. Serial No. 601,820, Feb. 17, Class 12.
- Copa Company, The: See—
 Dacus, N. E.
- Cromac Company, New York and Staten Island, N. Y. Sewing kits. Serial No. 625,344, Feb. 17, Class 40.

LIST OF TRADE-MARK APPLICANTS

Cummings, A. J., Co., Clinton, Iowa. Blank or partially printed certificates. Serial No. 622,783-4, Feb. 17. Class 37.

Darus, N. E., doing business under the name The Coca Company, Portageville, Mo. Analgesic and sedative tablets. Serial No. 627,558, Feb. 17. Class 18.

Daiton, Joseph A., Manson, Iowa. Wall calendars. Serial No. 631,204, Feb. 17. Class 38.

Dan River Mills, Incorporated, Danville, Va. Textile fabrics. Serial No. 636,118, Feb. 17. Class 42.

Darrell-Dillon Company, Hampton, Iowa. Baler twine and binder twine. Serial No. 631,095, Feb. 17. Class 7.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 624,471, Feb. 17. Class 42.

Dick, A. B., Company, Niles, Ill. Lettering guides. Serial No. 610,423, Feb. 17. Class 37.

Dowd, Charles, Box, Co., Inc., Worcester, Mass. Flexible multiple layer wrapping sheet. Serial No. 620,200, Feb. 17. Class 37.

Drer, Henry A., Inc., Philadelphia, Pa. Soil conditioner. Serial No. 629,236, Feb. 17. Class 10.

Drew, E. F., & Co., Inc., New York, N. Y. Oleomargarine. Serial No. 626,313, Feb. 17. Class 46.

Dritz, John, & Sons, New York, N. Y. Corde yaru. Serial No. 633,971, Feb. 17. Class 43.

Du Mont, Allen, B., Laboratories, Inc., Clifton, N. J. Radio and television broadcasting service. Serial No. 626,498, Feb. 17. Class 104.

Dunn, W. E., Manufacturing Company, Holland, Mich. Concrete roofing tile. Serial No. 611,025, Feb. 17. Class 12.

Durex Abrasives Corporation, New Rochelle, N. Y. Natural and artificial abrasives. Serial No. 622,206, Feb. 17. Class 4.

Eastern Research Laboratories, Inc., Baltimore, Md. Hygienic and astringent powder. Serial No. 630,263, Feb. 17. Class 18.

Edison Textiles, Inc., Edison, Ga. Girls' and misses' panties, slips, gowns, etc. Serial No. 628,682, Feb. 17. Class 39.

Elastic Stop Nut Corporation of America, Union, N. J. Lock nuts. Serial No. 608,346, Feb. 17. Class 13.

Electrofilm Corporation, North Hollywood, Calif. Graphite and finely divided metallic lubricating compositions. Serial No. 631,610, Feb. 17. Class 15.

Elenco Engineering Company, Hoboken, N. J. Protective plastic paint. Serial No. 622,384, Feb. 17. Class 16.

Essential Chemicals Co., Milwaukee, Wis. Combination soap and synthetic washing powder. Serial No. 573,872, Feb. 17. Class 52.

Etablissements Bohin, Societe Anonyme, Paris, France. Hand sewing needles. Serial No. 601,259, Feb. 17. Class 40.

Eustice, E. P., doing business as "Eustice Farms," Beardstown, Ill. Baby chicks. Serial No. 599,230, Feb. 17. Class 1.

"Eustice Farms": See—
Eustice, Erskine P.

Exeter Orchard Association, Exeter, Calif. Fresh citrus fruits. Serial No. 587,077, Feb. 17. Class 46.

Farbwerke Hoechst, vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany. Paa (paraminosalicylic acid), its salts and its derivatives. Serial No. 622,710, Feb. 17. Class 18.

Federal Fence Manufacturing Company, Inc., Westerville, Ohio. Metal fences. Serial No. 631,857, Feb. 17. Class 13.

Federated Department Stores, Inc., Cincinnati, Ohio. Carving knives and forks, shears, scissors, etc. Serial No. 628,752, Feb. 17. Class 23.

Forstner Chain Corporation, Irvington, N. J. Key rings and key chains. Serial No. 523,519, Feb. 17. Class 13.

Fougere, E., and Company, Inc., New York, N. Y. Depot estrogen solution. Serial No. 633,762, Feb. 17. Class 18.

Fox, E. L., Brooks, W. V., Chemical preparation. Serial No. 621,453, Feb. 17. Class 6.

Fruit Products Corporation, New York, N. Y. Empty bags. Serial No. 633,842, Feb. 17. Class 2.

Fruit Products Corporation, New York, N. Y. Handle sticks. Serial No. 633,843, Feb. 17. Class 13.

Galen Laboratories, Pittsburgh, Pa. Soaps and shampoos. Serial No. 626,239, Feb. 17. Class 52.

Gemex Company, Union, N. J. Bracelets and watch bracelets and watch straps. Serial No. 626,455, Feb. 17. Class 28.

General Research and Supply Co., Grand Rapids, Mich. Prints. Serial No. 617,289, Feb. 17. Class 38.

General Tire & Rubber Co., The Akron, Ohio. Pneumatic tires. Serial No. 626,668, Feb. 17. Class 35.

Genie-Craft Corporation, Washington, D. C. Metal cooking ware. Serial No. 627,181, Feb. 17. Class 13.

Gerts Lumbard & Co., Chicago, Ill. Paint brushes. Serial No. 632,369, Feb. 17. Class 29.

Glambanco Packing Co.: See—
Glambanco, Pietro

Glambanco, Pietro, doing business as Glambanco Wine Vinegar Plant and as Glambanco Packing Co., Oakdale, Calif. Canned vegetables, vinegar, pepperoncini, etc. Serial No. 621,010, Feb. 17. Class 46.

Glambanco Wine Vinegar Plant: See—
Glambanco, Pietro

Gillette Company, The: See—
Gillette Safety Razor Company

Gillette Safety Razor Company, Boston, Mass., now by change of name The Gillette Company. Children's home permanent hair waving kits. Serial No. 624,083, Feb. 17. Class 51.

Goss Printing Press Company, The, Chicago, Ill. Power operated printing presses and parts thereof. Serial No. 607,154, Feb. 17. Class 23.

Goss Printing Press Company, The, Chicago, Ill. Power operated printing presses and parts thereof. Serial No. 607,756, Feb. 17. Class 23.

Grafex, Inc., Rochester, N. Y. Photographic equipment, and/or photographic accessories, etc. Serial No. 607,286, Feb. 17. Class 26.

Grant, William, & Sons Limited, Glasgow, Glenoddich, Dufftown, Scotland. Scotch whisky. Serial No. 557,523, Feb. 17. Class 49.

Grissmer, Earl, Co., Indianapolis, Ind. Painted wall and woodwork cleaner. Serial No. 610,206, Feb. 17. Class 52.

Grissol Bread Specialties, Ltd., The, Montreal, Quebec, Canada. Bakery products. Serial No. 623,050, Feb. 17. Class 46.

Grossniklaus, Alice J., doing business as Alpa Cheese Company and as Alpine-Alpa Cheese, Wilmet, Ohio. Pasteurized and unpasteurized cheese. Serial No. 619,968, Feb. 17. Class 46.

Groves, Carl P., doing business as Groves Products Company, Iberia and Kansas City, Mo. Automobile and furniture polish. Serial No. 618,114, Feb. 17. Class 4.

Groves Products Company: See—
Groves, Carl P.

Hafner Fabrics Corporation, New York, N. Y. Textile fabrics. Serial No. 624,252, Feb. 17. Class 42.

Handley, W. A., Manufacturing Company, The, Roanoke, Ala. Cotton duck. Serial No. 634,592, Feb. 17. Class 42.

Hankelite Manufacturing Corporation, Grand Rapids, Mich. Construction materials. Serial No. 599,431, Feb. 17. Class 12.

Hastings, A. W., & Co., Inc., Somerville, Mass. Metal molding. Serial No. 626,327, Feb. 17. Class 12.

Heyden Chemical Corporation, New York, N. Y. Penicillin preparation. Serial No. 621,824, Feb. 17. Class 18.

Hil-Lo Equipment Company, Omaha, Neb. Farm machinery. Serial No. 632,932, Feb. 17. Class 23.

Hobbs Manufacturing Company, Worcester, Mass. Die presses. Serial No. 633,056, Feb. 17. Class 23.

Hoffmann-Stafford Tanning Co., Chicago, Ill. Leather. Serial No. 633,262, Feb. 17. Class 1.

Hollingshead, R. M., Corporation, Camden, N. J. Penetrating oil. Serial No. 624,544, Feb. 17. Class 15.

Hospital Equipment Corporation, New York, N. Y. Baby identification beads and rubber sheetings. Serial No. 619,835, Feb. 17. Class 50.

Howell Manufacturing Company, Philadelphia, Pa. Doors. Serial No. 615,555, Feb. 17. Class 12.

Hulman & Company, Terre Haute, Ind. Preparations for use as a medicine or tonic and for other analogous uses. Serial No. 605,034, Feb. 17. Class 18.

Imperial Knife Company, Inc., Providence, R. I. Pocket knives. Serial No. 546,704, Feb. 17. Class 23.

Industrial Research Laboratories, Houston, Tex. Rubber preservative and rust inhibitor. Serial No. 607,027, Feb. 17. Class 6.

International Cellulose Products Company, Chicago, Ill. All-purpose absorbent paper tissues. Serial No. 629,020, Feb. 17. Class 37.

International Cellulose Products Company, Chicago, Ill. All-purpose absorbent paper tissues. Serial No. 629,022, Feb. 17. Class 37.

International Glass Fibres Corporation, Baltimore, Md. Construction material. Serial No. 621,406, Feb. 17. Class 12.

Jaynard Publishing Co., Inc., Green Bay, Wis. Booklets. Serial No. 630,936, Feb. 17. Class 38.

Jullana Lingerie, Inc., New York, N. Y. Ladies' and misses' nightgowns, petticoats, slips, etc. Serial No. 632,566, Feb. 17. Class 39.

Kahn, Frederick M., doing business as Lovins Laboratories, Denver, Colo. Perfumes, hand cream, cleansing cream, etc. Serial No. 607,331, Feb. 17. Class 51.

Katzman & Ware, Inc., Chicago, Ill. Women's fur apparel. Serial No. 617,200, Feb. 17. Class 39.

Kaufmann Department Stores: See—
May Department Stores Company, The

Kent Company, Inc., The, Rome, N. Y. Commercial electrically operated apparatus. Serial No. 618,583, Feb. 17. Class 21.

Kent-Moore Organization, Inc., Detroit, Mich. Fluid pressure operated machine. Serial No. 604,155, Feb. 17. Class 23.

Key, James P., doing business under the name Key Pharmaceutical Company, Memphis, Tenn. Preparation in tablet form used in hypertension. Serial No. 619,298, Feb. 17. Class 18.

Key Pharmaceutical Company: See—
Key, James P.

Kington Products Corporation, Kokomo, Ind. Carburetors, tractor governors, and lawn mowers. Serial No. 620,511, Feb. 17. Class 23.

Knightbridge Mills, Inc., Lawrence, Mass. Knitted textile fabrics. Serial No. 625,108, Feb. 17. Class 42.

Kohler Co., Kohler, Wis. Plumbing fixtures. Serial No. 633,987, Feb. 17. Class 13.

LIST OF TRADE-MARK APPLICANTS

Kohler Co., Kohler, Wis. Combination removable strainer cup and waste control. Serial No. 634,089, Feb. 17. Class 13.

Kohler Co., Kohler, Wis. Mixing valves. Serial No. 634,091, Feb. 17. Class 13.

Korman, Loraine H., doing business as C. & H. Steinkraus Co., Chicago, Ill. Medicinal tea. Serial No. 567,147, Feb. 17. Class 18.

Kraft, Wm., Co., Union, N. J. Musical instruments. Serial No. 624,955, Feb. 17. Class 36.

Landsberg, Kent H., doing business under the name of Kent H. Landsberg Company, Los Angeles, Calif. Paper board, butcher paper, corrugated paper rolls, etc. Serial No. 614,444, Feb. 17. Class 37.

Landsberg, Kent H., Company: See—
Landsberg, Kent H.

Laonite of America: See—
Salomon, Janet P.

Le Blanc, G., Company, assignee: See—
Leblanc, Leon

Leblanc, Leon, Paris, France, assignor to G. Le Blanc Company, Kenosha, Wis. Wind instruments. Serial No. 557,979, Feb. 17. Class 36.

Lees, James, and Sons Company, Bridgeport, Pa. All wool, all cotton, all acetate rayon, and/or acetate rayon and nylon combined carpets. Serial No. 604,973, Feb. 17. Class 42.

Lenson, U. & J., Corp., The, Brooklyn, N. Y. Coffee. Serial No. 627,890, Feb. 17. Class 40.

Lerner Blouse Co., Philadelphia, Pa. Ladies' blouses, shirtwaists, and waists. Serial No. 628,698, Feb. 17. Class 39.

Les Heritiers de Marie Brizard & Roger, Achard, Giotin & Cie, Bordeaux, France. Liqueurs. Serial No. 616,716, Feb. 17. Class 49.

Liggett & Myers Tobacco Co., New York, N. Y. Cigarettes. Serial No. 615,129, Feb. 17. Class 17.

Linton Mfg. Co., Inc., Elkhart, Ind. Woodwind musical instruments. Serial No. 631,058, Feb. 17. Class 36.

Lovins Laboratories: See—
Kahn, Frederick M.

Lowell Manufacturing Company: See—
Lowell Specialty Company

Lowell Specialty Company, also doing business under the name Lowell Manufacturing Company, Chicago, Ill. Hand-operated compression dusters. Serial No. 624,749, Feb. 17. Class 23.

Macy, R. H., & Co., Inc., New York, N. Y. Pianos. Serial No. 589,221, Feb. 17. Class 36.

Magic Iron Cement Company: See—
Reich, Herman J.

Magnet Cove Barium Corporation, Bellaire, Tex. Ground barytes, native clays, and mica. Serial No. 605,598, Feb. 17. Class 1.

Mallard Pencil Co., Inc., Georgetown, Ky. Wood cased lead pencils. Serial No. 626,800-5, Feb. 17. Class 37.

Mallinckrodt Chemical Works, St. Louis, Mo. Glass bottles. Serial No. 601,328, Feb. 17. Class 33.

Martini & Rossi Corporation, New York, N. Y. Medicinal bitters. Serial No. 622,752, Feb. 17. Class 18.

Mathews Conveyor Company, Ellwood City, Pa. Fabrication of material handling conveyors and material handling equipment. Serial No. 607,712, Feb. 17. Class 106.

Mathieson Chemical Corporation, assignee: See—
Scully, E. R., & Sons

May Department Stores Company, The, doing business under the name of Kaufmann Department Stores, St. Louis, Mo., and Pittsburgh, Pa. Facial tissue and toilet tissue. Serial No. 628,772, Feb. 17. Class 37.

McDonald, A. Y., Manufacturing Co., Dubuque, Iowa. Check valves, relief valves, air pressure control valves, etc. Serial No. 621,275, Feb. 17. Class 13.

McDonald, A. Y., Manufacturing Co., Dubuque, Iowa. Foot valves and strainers, pipe plugs, etc. Serial No. 621,278, Feb. 17. Class 13.

McGraw Electric Company, Chicago, Ill. Motor generators, transmitters and receiver control units. Serial No. 590,513, Feb. 17. Class 21.

McGraw Electric Company, Chicago, Ill. Electrical appliances. Serial No. 614,259, Feb. 17. Class 21.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. Serial No. 633,161, Feb. 17. Class 38.

McLaughlin-Millard, Inc., Dolgeville, N. Y. Bowling pin. Serial No. 633,460-1, Feb. 17. Class 22.

Mead Specialties Company, Inc., Chicago, Ill. Pneumatically actuated clamps, pneumatic power cylinders, pneumatic work feeders, etc. Serial No. 594,056, Feb. 17. Class 23.

Melard Manufacturing Corporation, Long Island City, N. Y. Aerators for liquids. Serial No. 629,500, Feb. 17. Class 13.

Mennen Company, The, Newark, N. J. After shave lotion, a deodorant, and a hair preparation. Serial No. 634,649, Feb. 17. Class 51.

Merck & Co., Inc., Rahway, N. J. Vitamin supplements. Serial No. 623,000, Feb. 17. Class 18.

Metal Lubricants Co., Chicago, Ill. Drawing oil. Serial No. 629,615, Feb. 17. Class 15.

Miller and Rhoads, Incorporated, Richmond, Va. Haggage. Serial No. 623,101, Feb. 17. Class 3.

Millon-Gulet-Tubant, Levallois-Perret, France. Rocking chairs, arm-chairs, bathroom chairs, etc. Serial No. 557,043, Feb. 17. Class 32.

Minneapolis-Moline Company, Hopkins, Minn. Corn picking and husking machines. Serial No. 593,848, Feb. 17. Class 23.

Mountain Laboratories, Inc., Warrenton, Va. Preparation for the treatment of calf scours. Serial No. 629,681, Feb. 17. Class 18.

Musial, Joseph, Manhasset, N. Y. Entertainment service. Serial No. 597,971, Feb. 17. Class 107.

Nalpak Knitting Mills, Inc., Brooklyn, N. Y. Misses', ladies', boys', and men's sweaters. Serial No. 631,676, Feb. 17. Class 39.

National Association of Evangelicals, Chicago, Ill. Bi-monthly religious magazines. Serial No. 630,339, Feb. 17. Class 38.

National Distillers Products Corporation, assignee: See—
U. S. Industrial Chemicals, Inc.

National Vitamin Corporation, Washington, D. C. Vitamin capsules. Serial No. 616,439, Feb. 17. Class 18.

Needle Industries Limited, Birmingham, England. Needles for hand sewing. Serial No. 621,372, Feb. 17. Class 40.

Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. Serial No. 622,274, Feb. 17. Class 18.

Northern Laboratories, Manitowoc, Wis. Foaming bath and hand lotion. Serial No. 626,698, Feb. 17. Class 51.

Northrup, King & Co., Minneapolis, Minn. Alfalfa seed. Serial No. 629,455, Feb. 17. Class 1.

Norton Laboratories, Inc., Lockport, N. Y. Circular compartmented jar. Serial No. 606,435, Feb. 17. Class 2.

Nutrition Research Laboratories, Inc., Chicago, Ill. Pharmaceutical. Serial No. 633,318-19, Feb. 17. Class 18.

Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Hand lotion and cologne. Serial No. 621,647, Feb. 17. Class 51.

Oakley, Annie, Enterprises, Inc., assignee: See—
Oakley, Annie, Enterprises

Ottoby, Ladis H., doing business as Talking Devices Company, Chicago, Ill. Grooved, recorded, plastic phonographic tapes. Serial No. 557,204, Feb. 17. Class 36.

Pabst Brewing Company, Chicago, Ill. Mixture of dried bacitracin broth and soya bean flour or ground malt sprouts. Serial No. 626,837, Feb. 17. Class 46.

Pacific Coast Borax Co., Division of Borax Consolidated, Limited: See—
Borax Consolidated, Limited

Pacific Union Conference of Seventh-Day Adventists, doing business as Chapel Records, Glendale, Calif. Mechanically grooved phonograph records. Serial No. 629,556, Feb. 17. Class 36.

Painallay Company, Inc., Findlay, Ohio. Denture cleanser. Serial No. 629,860, Feb. 17. Class 51.

Pan Pharmaceuticals, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 612,030, Feb. 17. Class 18.

Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of streptomycin resistant tuberculosis. Serial No. 634,749, Feb. 17. Class 18.

Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of amoebic dysentery. Serial No. 634,751, Feb. 17. Class 18.

Parker Rust Proof Company, Detroit, Mich. Phosphate preparation. Serial No. 626,335, Feb. 17. Class 52.

Penn-Champ Oil Corporation, Butler, Pa. Motor oil and machine oil. Serial No. 628,505, Feb. 17. Class 15.

Pharmaceuticals, Inc., Newark, N. J. Geriatric dietary supplement. Serial No. 631,437, Feb. 17. Class 18.

Pharmacia Laboratories, Inc., New York, N. Y. Injection and infusion solutions. Serial No. 622,027, Feb. 17. Class 18.

Phoenix Hosiery Company, Milwaukee, Wis. Women's hosiery. Serial No. 633,326, Feb. 17. Class 39.

Physicians and Hospitals Supply Company, (Inc.), doing business under the name of Uimer Pharmaceutical Company, Minneapolis, Minn. Detergent preparation. Serial No. 629,042, Feb. 17. Class 52.

Pilot Plastics, Inc., Paterson, N. J. Toy construction sets. Serial No. 633,213, Feb. 17. Class 22.

Pocket Books, Inc., New York, N. Y. Books. Serial No. 601,748, Feb. 17. Class 38.

Precision Parts Corporation, Nashville, Tenn. Folding stairways. Serial No. 628,294, Feb. 17. Class 12.

Process Chemicals Company, Los Angeles, Calif. Wetting agents. Serial No. 629,689, Feb. 17. Class 6.

Purdue Frederick Company, The, New York, N. Y. Therapeutic vaginal tablet. Serial No. 630,022, Feb. 17. Class 18.

Rand McNally & Company, Chicago, Ill. Periodically appearing column in a house organ. Serial No. 621,333, Feb. 17. Class 38.

Rand Rubber Company, Inc., Brooklyn, N. Y. Baby pants. Serial No. 628,123, Feb. 17. Class 39.

Reader's Digest Association, Inc., The, Pleasantville, N. Y. Feature articles in a periodical. Serial No. 629,055, Feb. 17. Class 38.

Reed Roller Bit Company, Houston, Tex. Screw threads and threaded members. Serial No. 579,204, Feb. 17. Class 23.

Reefer-Galler, Incorporated, New York, N. Y. Insecticide. Serial No. 624,897-8, Feb. 17. Class 6.

Reich, Herman J., doing business as Magic Iron Cement Company, Cleveland, Ohio. Liquid casein glue, crystal clear cement, powdered casein glue, etc. Serial No. 605,054, Feb. 17. Class 5.

LIST OF TRADE-MARK APPLICANTS

Helco: See—
 Heliance Merchandise Co. Inc., doing business under the style Helco, Chicago, Ill. Pocket and hunting knives. Serial No. 633,431, Feb. 17, Class 23.
 Renée of Hollywood, Los Angeles, Calif. Booklet. Serial No. 616,511, Feb. 17, Class 38.
 Robbins Textiles, Inc., High Point, N. C. Clothing. Serial No. 628,878, Feb. 17, Class 39.
 Robertshaw-Fulton Controls Company, Greensburg, Pa. Metal valves and cocks. Serial No. 626,414, Feb. 17, Class 13.
 Rock Island Millwork Company, Rock Island, Ill. Building woodwork. Serial No. 616,690, Feb. 17, Class 12.
 Roebling's, John A. Sons Company, Trenton, N. J. Bridges constructed of wire and wire rope. Serial No. 601,334, Feb. 17, Class 12.
 Rose Oil Company, Vicksburg, Miss. Gasoline, motor oil, kerosene, etc. Serial No. 630,618, Feb. 17, Class 13.
 Roto-Gate Valves, Inc., Plainview, Tex. Plug valves. Serial No. 634,421, Feb. 17, Class 13.
 Sachs, Maxwell, doing business under the name of Spring-O-Lator Mfg. Co., Boston, Mass. Sock-linings. Serial No. 632,444, Feb. 17, Class 39.
 Salomon, Janet P., doing business as Lanonite of America, Milwaukee, Wis. Molds for forming impressions of imitation stone. Serial No. 636,809-10, Feb. 17, Class 12.
 Schallenberger & Co.: See—
 Schallenberger, Robert R., doing business as Schallenberger & Co., San Francisco, Calif. Pharmaceutical preparation. Serial No. 627,280, Feb. 17, Class 18.
 Schering Corporation, Bloomfield, N. J. Medicated repeat action tablets. Serial No. 614,167, Feb. 17, Class 18.
 Schering Corporation, Bloomfield, N. J. Gall bladder X-ray diagnostic medium. Serial No. 638,006, Feb. 17, Class 18.
 Schieffelin & Co., New York, N. Y. Product, in lotion and ointment form, for treatment of pimple and oily condition of skin. Serial No. 633,433, Feb. 17, Class 18.
 Schieffelin & Co., New York, N. Y. Product, in lotion form, for treatment of scalp and skin. Serial No. 633,434, Feb. 17, Class 18.
 Schwalger, Leo, doing business as Schwalger Manufacturing Company, Cullman, Ala. Metal clamp lock nuts. Serial No. 585,348, Feb. 17, Class 13.
 Schwalger Manufacturing Company: See—
 Schwalger, Leo.
 Seaboard Seed Company, Philadelphia, Pa. Lawn seed. Serial No. 624,363, Feb. 17, Class 1.
 Seaboard Seed Company, Philadelphia, Pa. Lawn seed. Serial No. 624,366-7, Feb. 17, Class 1.
 Seagram, Joseph E., & Sons, Inc., New York, N. Y. Alcoholic beverages. Serial No. 598,929, Feb. 17, Class 49.
 Sealed Power Corporation, Muskegon Heights, Mich. Piston ring groove inserts. Serial No. 621,337, Feb. 17, Class 35.
 Seare, Roebuck and Co., Chicago, Ill. Door lock sets, French window lock sets, wardrobe locks, etc. Serial No. 614,106, Feb. 17, Class 25.
 Sears, Roebuck and Co., Chicago, Ill. Cleansing tissues and toilet tissue. Serial No. 622,031, Feb. 17, Class 37.
 Sebel, D., and Company Limited, Eritth, Kent, England. Perambulators and push-chairs, all being toys. Serial No. 619,477, Feb. 17, Class 22.
 Serley Company, Minneapolis, Minn. Window millwork. Serial No. 628,432, Feb. 17, Class 12.
 Shad-O-Blok Corporation, Lancaster, Ohio. Concrete block. Serial No. 616,925, Feb. 17, Class 12.
 Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Paint bases and paints. Serial No. 598,965, Feb. 17, Class 16.
 Sherman Bros. Shoe Mfg. Corp., Lowell, Mass. Infants' and children's shoes, sandals, and slippers. Serial No. 628,433, Feb. 17, Class 39.
 Sherwin-Williams Company, The, Cleveland, Ohio. Enamel type coating. Serial No. 632,608, Feb. 17, Class 16.
 Showcard Machine Company, Chicago, Ill. Sign printing machines. Serial No. 633,083, Feb. 17, Class 23.
 Signal Electric Manufacturing Co., Menominee, Mich. Electrical apparatus. Serial No. 606,177, Feb. 17, Class 21.
 Signal Oil Company: See—
 Standard Oil Company of California.
 Silhouette Corporation, The, Oshkosh, Wis. Medicinal valves. Serial No. 624,506, Feb. 17, Class 18.
 Silorators Limited, London, England. Power-actuated agricultural machinery. Serial No. 615,139, Feb. 17, Class 23.
 Simpson Logging Company, Seattle, Wash. Hardboard. Serial No. 634,219, Feb. 17, Class 12.
 Smith, Kline & French Laboratories, Philadelphia, Pa. Unit of medication. Serial No. 634,037, Feb. 17, Class 18.
 Sochin Company, Limited, Kuala Lumpur, Malaya. Natural, synthetic, and reclaimed rubbers. Serial No. 636,829, Feb. 17, Class 1.
 Societe des Mines et Fonderies de Zinc de la Vieille-Montagne, Angleur, Belgium. Zinc. Serial No. 619,772, Feb. 17, Class 14.
 Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wire reinforced rubber hose. Serial No. 637,842, Feb. 17, Class 33.
 Southern Radio & Television Equipment Company, Miami, Fla. Television program broadcasting. Serial No. 619,041, Feb. 17, Class 104.
 Sovig, Conrad, Co., San Francisco, Calif. Fast hardening color finish, cementitious in nature. Serial No. 610,990, Feb. 17, Class 12.
 Sped-Fresh Company, The, Dayton, Ohio. Fresh cut flowers. Serial No. 538,463, Feb. 17, Class 1.
 Spencer Chemical Company, Kansas City, Mo. Weed killer. Serial No. 638,220, Feb. 17, Class 6.
 Spravo-Flake Company, Chicago, Ill. Spraying on insulation in buildings in general. Serial Nos. 614,520-1, Feb. 17, Class 103.
 Spring-O-Lator Mfg. Co.: See—
 Sachs, Maxwell.
 Squibb, E. R. & Sons, New York, N. Y., assignor to Mathleson Chemical Corporation, Saltville, Va. Sodium-ion-removing preparation. Serial No. 628,787, Feb. 17, Class 18.
 Squibb, E. R. & Sons, New York, N. Y., assignor to Mathleson Chemical Corporation, Saltville, Va. Preparation for treatment of and prophylaxis against infections. Serial No. 628,788, Feb. 17, Class 18.
 Standard Insulation Company, East Rutherford, N. J. Laminated material. Serial No. 620,696, Feb. 17, Class 1.
 Standard Oil Company of California, doing business as Signal Oil Company, Los Angeles, Calif. Pressure appliance fuel. Serial No. 627,606, Feb. 17, Class 15.
 Steel Products Engineering Company, The, Springfield, Ohio. Fuel pump units. Serial No. 620,289, Feb. 17, Class 23.
 Steiner Sales Company Division of American Linen Supply Co.: See—
 American Linen Supply Co.
 Steinkraus, C. & H., Co.: See—
 Korman, Lorraine H.
 Stetson China Co., Inc., Lincoln, Ill. Dinnerware. Serial No. 629,131, Feb. 17, Class 30.
 Stieh, William M., and Co., Inc., Teaneck, N. J. Herbicides. Serial No. 623,739, Feb. 17, Class 6.
 Stratodex, Inc., Fort Worth, Tex. Rubber hose, and hose assemblies. Serial No. 632,034, Feb. 17, Class 35.
 Streper Funeral Homes, Alton, Ill. Mortuary and funeral direction services. Serial No. 616,733, Feb. 17, Class 100.
 Talking Devices Company: See—
 Ottoly, Ladis H.
 Travenol Laboratories, Inc., Morton Grove, Ill. Injectable pyrogen. Serial No. 632,636, Feb. 17, Class 18.
 Triangle Finishing Corp., Johnstown, N. Y. Treating fabric. Serial No. 625,500, Feb. 17, Class 106.
 Tri-State Siding Company, Inc., Shreveport, La. Concrete veneer. Serial No. 626,488, Feb. 17, Class 12.
 Ulmer, Charles, Inc., City Island, N. Y. Rope. Serial No. 622,560, Feb. 17, Class 7.
 Ulmer Pharmaceutical Company: See—
 Physicians and Hospitals Supply Company, (Inc.)
 Union Allumettiers Societe Anonyme, Brussels, Belgium. Impregnated safety matches. Serial No. 617,564, Feb. 17, Class 9.
 Union Trading Company, Ltd., Basel, Switzerland. Perfumes, face powder, face cream, etc. Serial No. 586,369, Feb. 17, Class 51.
 Union Trading Company Ltd., Basel, Switzerland. Perfumes, face powder, face cream, etc. Serial No. 586,376, Feb. 17, Class 51.
 United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 633,341, Feb. 17, Class 38.
 United Research Laboratories, Inc., Philadelphia, Pa. Dermatropic hormones and dermatropic hormone preparations. Serial No. 614,638, Feb. 17, Class 18.
 U. S. Industrial Chemicals, Inc., assignor to National Distillers Products Corporation, New York, N. Y. Resins in solution used in the manufacture of paints, varnishes and lacquers. Serial No. 600,867, Feb. 17, Class 16.
 United States Rubber Company, New York, N. Y. Fungicides. Serial No. 623,442, Feb. 17, Class 6.
 United States Rubber Company, New York, N. Y. Inner tubes. Serial No. 635,889, Feb. 17, Class 35.
 United States Steel Company, Pittsburgh, Pa. Constructional steel sections, bars, and plates. Serial No. 622,468, Feb. 17, Class 12.
 Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 634,814-17, Feb. 17, Class 18.
 Vaponefrin Company: See—
 Anthmanefrin Company, Incorporated.
 Vibradamp Corporation, Los Angeles, Calif. Glass fibre saturated with resinous material. Serial No. 594,084, Feb. 17, Class 12.
 Vick Chemical Company, New York, N. Y. Cough syrups, lozenges, medicated antiseptic lozenges, etc. Serial No. 638,821, Feb. 17, Class 18.
 Vietrylite Candle Company, Oshkosh, Wis. Candles. Serial No. 629,335, Feb. 17, Class 15.
 Warin Company, Chicago, Ill. Rodenticides. Serial No. 628,235, Feb. 17, Class 6.

LIST OF TRADE-MARK APPLICANTS

Weekly Publications, Inc., New York, N. Y. Department or section of a periodical publication. Serial No. 620,059, Feb. 17, Class 38.
 Wells Corporation, The, New York, N. Y. Preparations for use in the treatment of hair. Serial No. 627,416, Feb. 17, Class 51.
 Western Pine Association, Portland, Oreg. Lumber, millwork, and lath. Serial No. 622,186, Feb. 17, Class 12.
 Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper and notebook fillers. Serial No. 526,320, Feb. 17, Class 37.
 Whitney & Company, Seattle, Wash. Canned salmon. Serial No. 628,801, Feb. 17, Class 46.
 Widmann, Rudolph R., Los Angeles, Calif. Tyrosine compounds. Serial No. 621,433, Feb. 17, Class 18.
 Willmar Co., Inc., New York, N. Y. Electric lamps. Serial No. 625,035, Feb. 17, Class 21.
 Winter Garden Company, Inc., The, Knoxville, Tenn. Frozen berries, frozen fruits, and canned berries. Serial No. 606,502, Feb. 17, Class 46.
 Zeller Corporation, The, Defiance, Ohio. All types of steel and alloy steel components. Serial No. 632,706, Feb. 17, Class 14.
 Zink, Chas. V. & Sons, Detroit, Mich. Stone cleaner. Serial No. 626,550, Feb. 17, Class 52.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Medicated suspension. 570,750, Feb. 17; Serial No. 614,232, published Nov. 18, 1952. Class 18.
 Abbott Laboratories, North Chicago, Ill. Enteric bacteriostat. 570,771, Feb. 17; Serial No. 628,245, published Nov. 11, 1952. Class 18.
 Abbott Laboratories, North Chicago, Ill. Local anesthetic. 570,802, Feb. 17; Serial No. 630,108, published Nov. 11, 1952. Class 18.
 Acme Industries, Inc., Jackson, Mich. Refrigeration condensers, water chillers, and evaporative condensers. 570,621, Feb. 17; Serial No. 619,276, published Nov. 11, 1952. Class 31.
 Acme Sawdust Company: See—
 Twining, Homer L.
 Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 570,605, Feb. 17; Serial No. 618,384, published Oct. 28, 1952. Class 23.
 Addison-Procter Company: See—
 Wilger, Albert I.
 Addressograph-Multigraph Corporation, Cleveland, Ohio. Duplicating machines. 570,712, Feb. 17; Serial No. 626,846, published Oct. 21, 1952. Class 23.
 Adrex, Paris, France. Office machines. 570,517, Feb. 17; Serial No. 581,035, published July 22, 1952. Class 23.
 Advance Aluminum Castings Corp., Chicago, Ill. Knives, forks, spoons, etc. 570,772, Feb. 17; Serial No. 628,246, published Oct. 21, 1952. Class 28.
 Advance Car Mover Company, Inc., Appleton, Wis. Railroad car moving tool. 570,622, Feb. 17; Serial No. 619,279, published Nov. 11, 1952. Class 23.
 Aircraft-Marine Products Inc., Harrisburg, Pa. Combination hand tool. 570,591, Feb. 17; Serial No. 612,195, published Oct. 28, 1952. Class 23.
 Air Reduction Company, Incorporated: See—
 National Carbide Corporation.
 Aitken, Roy, doing business as Roy Aitken & Partners, Glasgow, Scotland, assignor to The British Nylonite Co. Ltd., Hale End, England. Chamber pots. 570,515, Feb. 17; Serial No. 576,612, published Nov. 18, 1952. Class 2.
 Aitken, Roy, & Partners: See—
 Aitken, Roy.
 Aktiebolaget Elektrolux, Stockholm, Sweden. Household refrigerators. 570,610, Feb. 17; Serial No. 618,668, published Nov. 11, 1952. Class 31.
 Alabama Growers Association, Inc.: See—
 Na Grape Bottling Co., Inc.
 Alexander, Milton W., executor: See—
 Goldman, Ralph H.
 Alfocorn Milling Company, St. Louis, by Staley Milling Company, North Kansas City, Mo. Stock feed. 135,886, Oct. 28, 1920. Republished Feb. 17, Class 46.
 Alfocorn Milling Company, St. Louis, by Staley Milling Company, North Kansas City, Mo. Feeds. 195,874, Mar. 3, 1925. Republished Feb. 17, Class 46.
 Allied Chemical & Dye Corporation, New York, N. Y. Aerosol insecticidal compositions. 570,536, Feb. 17; Serial No. 599,801, published Oct. 28, 1952. Class 6.
 Almonester Company, The: See—
 Pappas, Victoria.
 Alper Blouse Co. Inc., Philadelphia, Pa. Women's and misses' blouses. 570,638, Feb. 17; Serial No. 620,712, published Nov. 18, 1952. Class 39.
 Alpha Delta Pi, Kansas City, Mo. Promoting the mental, moral, and religious improvement, social enjoyment and the general welfare of the students, etc. 570,833, Feb. 17; Serial No. 607,064, published Nov. 25, 1952. Class 100.
 Alroac Chemical Company, Cranston, R. I. Chemical composition. 570,552, Feb. 17; Serial No. 605,396, published Nov. 18, 1952. Class 6.
 Altmann, Bernhard, New York, N. Y., assignor to The Bernhard Altmann Texas Corporation, San Antonio, Tex. Men's and ladies' overcoats, topcoats, and sweaters, etc. 570,785, Feb. 17; Serial No. 628,982, published Nov. 18, 1952. Class 39.
 Altmann, Bernhard, Texas Corporation, The, assignee: See—
 Altmann, Bernhard.
 Amateur Softball Association of America, Newark, N. J. Periodically published newspaper. 570,780, Feb. 17; Serial No. 628,980, published Nov. 25, 1952. Class 38.
 American Colloid Company, Chicago, Ill. Processed wood flour. 570,704, Feb. 17; Serial No. 626,134, published Oct. 28, 1952. Class 1.
 American Cyanamid Company, New York, N. Y. Amphetamine-vitamin-mineral preparation. 570,722, Feb. 17; Serial No. 627,371, published Nov. 4, 1952. Class 18.
 American Funeral Supply Corp., Wintthrop, Mass. Embalming fluid. 570,652, Feb. 17; Serial No. 621,698, published Nov. 4, 1952. Class 6.
 American Hard Rubber Company, Hempstead and New York, N. Y., to American Hard Rubber Company, New York, N. Y. Hard rubber combs. 302,755, renewed Apr. 25, 1953. O. G. Feb. 17, Class 40.
 American Holst & Derrick Co., St. Paul, Minn. Derricks, hoists, material elevators, sheaves, etc. 570,504, Feb. 17; Serial No. 563,710, published May 9, 1950. Class 23.
 American Institute of Electrical Engineers, New York, N. Y. Monthly periodical. 570,694, Feb. 17; Serial No. 625,876, published Nov. 25, 1952. Class 38.
 American Molasses Co. of New York, The, by American Molasses Company, New York, N. Y. Special bread sugar. 298,796, Nov. 8, 1932. Republished Feb. 17, Class 46.
 American Molasses Company: See—
 American Molasses Co. of New York, The.
 American Oil Company, The, Baltimore, Md. Petroleum solvent and cleaning naphtha. 300,461, renewed Jan. 24, 1953. O. G. Feb. 17, Class 52.
 American Oil Company, The, Baltimore, Md. Insecticide, disinfectant, and deodorant. 300,504, renewed Jan. 24, 1953. O. G. Feb. 17, Class 6.
 American Stores Company, Philadelphia, Pa. Auto polish and cleaner wax. 570,587, Feb. 17; Serial No. 606,844, published Nov. 4, 1952. Class 4.
 Ames Company, Inc., Elkhart, Ind. Chologogues and choloretics for the treatment of all diseases of the liver and bile ducts, a diuretic, etc. 570,632, Feb. 17; Serial No. 620,291, published Nov. 25, 1952. Class 18.
 Angostura Bitters (Dr. J. G. B. Slegert & Sons) Limited, Port of Spain, Trinidad. Aromatic bitters. 570,612, Feb. 17; Serial No. 618,722, published Nov. 25, 1952. Class 18.
 Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Finely ground cellulose product. 570,649, Feb. 17; Serial No. 621,385, published Oct. 28, 1952. Class 1.
 Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo. Magazine. 570,560, Feb. 17; Serial No. 606,450, published Nov. 25, 1952. Class 38.
 Armentrout, Arthur L., Long Beach, Calif. Dry composition composed principally of expanded perlite. 570,627, Feb. 17; Serial No. 619,666, published Oct. 28, 1952. Class 1.
 Arnold, Schwinn & Co., Chicago, Ill. Bicycle wheel rims. 570,518, Feb. 17; Serial No. 581,699, published Nov. 11, 1952. Class 19.
 Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 570,747, Feb. 17; Serial No. 613,862, published Nov. 4, 1952. Class 10.
 Arrow Packing Company, Exeter, Calif. Fresh grapes. 298,930, renewed Nov. 15, 1952. O. G. Feb. 17, Class 46.
 Arrowlita, Michael M., trading and doing business under the name of Pittshire, Pittsfield, Mass. Beads, chains, crucifix centers, etc. 570,746, Feb. 17; Serial No. 613,756, published Oct. 28, 1952. Class 28.
 Atlantic Gummed Paper Corporation, Brooklyn, N. Y. Gummed tape. 570,661, Feb. 17; Serial No. 622,782, published Nov. 25, 1952. Class 5.
 Atlantic Handbags, Inc., Boston, Mass. Ladies' and misses' handbags, and shoulder bags. 570,667, Feb. 17; Serial No. 623,121, published Nov. 18, 1952. Class 3.
 Austenal Laboratories, Inc., New York, N. Y. Dentures. 300,852, Feb. 14, 1933. Corrected. O. G. Feb. 17, Class 44.
 Avon Periodicals, Inc., New York, N. Y. Periodical publications. 570,665, Feb. 17; Serial No. 622,980, published Nov. 25, 1952. Class 38.
 B-D Homes Co., Martin City, Mo. Prefabricated sectional housing units. 570,594, Feb. 17; Serial No. 616,404, published Dec. 2, 1952. Class 12.
 Baier, Wilhelm, K. G. Metallwarenfabrik, Stockdorf-Munich, Germany. Land, air, and water craft, automobiles, cycles, etc. 570,642, Feb. 17; Serial No. 620,868, published Nov. 11, 1952. Class 19.

Daily Manufacturing Company, Chicago, Ill. Coin-controlled, mechanical horse amusement device. 570,778, Feb. 17; Serial No. 628,342, published Nov. 18, 1952. Class 22.

Harnaby Manufacturing and Tool Company, Bridgeport, Conn. Drill chucks, knurling tools, tap holders, etc. 570,406, Feb. 17; Serial No. 406,122, published Sept. 2, 1952. Class 23.

Harndt, R. O., doing business as Ruth Peterson, Philadelphia, Pa. Foot cream. 570,626, Feb. 17; Serial No. 619,561, published Nov. 25, 1952. Class 51.

Barrell, William L., Company, New York, N. Y. Cotton place goods. 302,331, renewed Apr. 11, 1953. O. G. Feb. 17. Class 42.

Barwick, E. T., doing business as E. T. Barwick Mills, Chamblée, Ga. Cotton carpeting. 570,809, Feb. 17; Serial No. 630,824, published Nov. 25, 1952. Class 42.

Barwick, E. T. Mills; See—
Barwick, E. T.

Basa, Ratcliff & Gretton, Limited, Burton-on-Trent, England. Pale ale and beer. 88,266, Sept. 10, 1912. Republished Feb. 17. Class 48.

Baur, O. P., Confectionery Company, The, Denver, Colo. Food catering service. 570,812, Feb. 17; Serial No. 550,890, published Nov. 18, 1952. Class 100.

Raybank Drug Co., Inc.; See—
Pineoleum Manufacturing Company, The.

Bechtold, L. to The Benefelder Company, Inc., New York, N. Y. Lithographing-stones. 89,086, re-renewed Nov. 12, 1952. O. G. Feb. 17. Class 50.

Berland, J., New York, N. Y. Finger rings. 570,723, Feb. 17; Serial No. 627,423, published Oct. 21, 1952. Class 28.

Berman, B., doing business as Stonhard Company, by Stonhard Company, Philadelphia, Pa. Construction materials. 297,642, Sept. 20, 1932. Republished Feb. 17. Class 6.

Biggs, F. R., doing business as Pioneer Asbestos Company, to Pioneer Brake Lining Company, St. Louis, Mo. Brake-linings. 302,016, renewed Mar. 21, 1953. O. G. Feb. 17. Class 35.

Binney & Smith Company, New York, N. Y. Carbon black. 570,672, Feb. 17; Serial No. 623,944, published Nov. 18, 1952. Class 11.

Binney & Smith Company, New York, N. Y. Carbon black dispersed in shellac used in pigmenting protective coatings. 570,873, Feb. 17; Serial No. 623,945, published Nov. 18, 1952. Class 16.

Bo Products Corporation, Rochester, N. Y. Mortar, pea gravel concrete, patching and topping concrete, etc. 570,647, Feb. 17; Serial No. 621,355, published Nov. 4, 1952. Class 12.

Bolton, Thomas, & Sons Limited, Widnes, England. Copper printing rollers. 570,664, Feb. 17; Serial No. 622,921, published Oct. 21, 1952. Class 23.

Book Agents of the Methodist Episcopal Church, South; See—
Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South.

Borg-Warner Corporation, Chicago, Ill. Electrically operated reach-in refrigerators, refrigerating units, etc. 570,595, Feb. 17; Serial No. 616,622, published Nov. 11, 1952. Class 31.

Bowersock, J. D., by The Lawrence Paper Company, Lawrence, Kans. Paper and fiber boxes. 89,984, Jan. 28, 1913. Republished Feb. 17. Class 2.

Bremer Broadcasting Corporation, Newark, N. J. Entertainment services. 570,819, Feb. 17; Serial No. 603,042, published Nov. 25, 1952. Class 107.

Bridgeaster, Inc., Milwaukee, Wis. Recording shower and wedding gifts for bride-elects. 570,826, Feb. 17; Serial No. 612,299, published Nov. 25, 1952. Class 101.

Bridgeport Brass Company, Bridgeport, Conn. Underarm deodorant. 570,758, Feb. 17; Serial No. 615,534, published Nov. 4, 1952. Class 51.

Bristol Seamless Ring Company; See—
Kronstadt, Max.

British Columbia Forest Products Limited, Vancouver, British Columbia, Canada. Cedar sidewall shakes. 570,714, Feb. 17; Serial No. 626,976, published Oct. 21, 1952. Class 12.

British Xylonite Co. Ltd., The, assignee; See—
Altken, Roy.

Brocia, A., doing business under the trade name Dinaerwine Company, New York, N. Y. Table wines. 570,838, Feb. 17; Serial No. 589,433. Class 47.

Brown & Bigelow, St. Paul, Minn. Clocks. 570,767, Feb. 17; Serial No. 628,140, published Oct. 21, 1952. Class 27.

Rynn Manufacturing Company, Limited, The, Ashton-in-Makerfield, near Wigan, England. Cough pastilles, and cough mixture. 570,574, Feb. 17; Serial No. 607,575, published Nov. 11, 1952. Class 18.

ubbles, Inc., Brooklyn, N. Y. Gum drops. 570,498, Feb. 17; Serial No. 531,092, published Nov. 11, 1952. Class 46.

Buffalo Frosted Foods, Inc., Fredonia, N. Y. Canned tomato paste. 570,533, Feb. 17; Serial No. 597,999, published Mar. 13, 1951. Class 48.

Buffalo Frosted Foods, Inc., Fredonia, N. Y. Tomato juice and canned tomatoes. 570,753, Feb. 17; Serial No. 614,614, published Nov. 13, 1951. Class 46.

ully Bag Company; See—
Orchard, Mildred C.

Burwood, H. A., South Portland, Maine. Cloth stripping machine. 570,604, Feb. 17; Serial No. 618,203, published Aug. 19, 1952. Class 23.

Burton, B. F., & Sons Creosoting Co.: See—
Burton, Benjamin F., Jr.

Burton, B. F., Jr., doing business as B. F. Burton & Sons Creosoting Co., Birmingham, Ala. Chemical mixture. 570,607, Feb. 17; Serial No. 618,442, published Nov. 4, 1952. Class 6.

Butereg Company, The, doing business as Gibbons Food Products Company, Kansas City, Mo. Packaged ingredient mixture used in preparing waffles, etc. 570,804, Feb. 17; Serial No. 630,259, published Nov. 11, 1952. Class 46.

Butler Brothers, Chicago, Ill. Cotton broadloom rugs. 570,842, Feb. 17; Serial No. 614,079. Class 42.

Byron, Jackson, Co., Vernon, Calif. Pumps. 570,537, Feb. 17; Serial No. 600,379, published Oct. 28, 1952. Class 23.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 570,675, Feb. 17; Serial No. 624,390, published Nov. 18, 1952. Class 11.

Campbell Soup Company, Camden, N. J. Canned tomato juice. 299,495, renewed Dec. 6, 1952. O. G. Feb. 17. Class 46.

Caprock Chemical Co., Inc., Lubbock, Tex. Raw natural soil product having porous characteristics for use in absorbing oils and grease from floors or soiled surfaces. 570,585, Feb. 17; Serial No. 610,359, published Nov. 11, 1952. Class 52.

Carman River Duck Farm, Brookhaven, N. Y. Live and dressed ducks. 298,990, renewed Nov. 15, 1952. O. G. Feb. 17. Class 46.

Carter Carburetor Corporation, St. Louis, Mo. Liquid fuel filters. 570,615, Feb. 17; Serial No. 618,883, published Sept. 16, 1952. Class 31.

Carter Oil Company, The, Tulsa, Okla. Refined, semi-refined and unrefined oils. 570,700-1, Feb. 17; Serial Nos. 616,668-9, published Nov. 11, 1952. Class 15.

Carter Products, Inc., New York, N. Y. Personal deodorant. 570,639, Feb. 17; Serial No. 620,721, published Nov. 25, 1952. Class 61.

Carter Sanitary Supply Co., Inc., Cincinnati, Ohio. Odor neutralizer. 570,511, Feb. 17; Serial No. 574,942, published Oct. 28, 1952. Class 6.

Central Commercial Company, Chicago, Ill. Portable electric control board attachment to the keyboards of pianos, organs, etc. 570,836, Feb. 17; Serial No. 570,835. Class 36.

Chadeloid Corporation, Dayton, Ohio. Wood stains. 570,890-7, Feb. 17; Serial Nos. 625,965-6, published Nov. 25, 1952. Class 16.

Chapman, Samuel, Inc., New York, N. Y. Ladies' and misses' dresses, coats and suits, etc. 570,718, Feb. 17; Serial No. 627,171, published Nov. 25, 1952. Class 39.

Chefaro Chemische Fabrik "Rotterdam": See—
Kleijn, Adrianus.

Chilcott Laboratories, Inc., Morris Plains, N. J. Medicinal preparation. 570,726, Feb. 17; Serial No. 627,554, published Nov. 11, 1952. Class 18.

Chinese Trading Company, Chicago, Ill. Sodium glutamate used for food seasoning purposes. 570,490, Feb. 17; Serial No. 543,683, published July 3, 1951. Class 46.

Chocolate Products Company, Chicago, Ill. Syrups, extracts, and concentrates for making non-alcoholic, maltless soft drinks. 570,851, Feb. 17; Serial No. 628,452. Class 45.

Cincinnati Soap Company, The, Cincinnati, to The Hewitt Soap Company, Inc., Dayton, Ohio. Toilet soaps. 299,200, renewed Nov. 22, 1952. O. G. Feb. 17. Class 52.

Claro Co.: See—
Rumfelt, W. M.

Clary Multiplier Corporation, San Gabriel, Calif. Printing ribbons. 570,937, Feb. 17; Serial No. 622,240, published Nov. 18, 1952. Class 11.

Club Razor & Blade Mfg. Corp.: See—
Kasekert, Fred.

Cokesbury Press: See—
Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South.

Coleman, T. S., Perdido, Ala. Laxative. 570,727, Feb. 17; Serial No. 627,655, published Dec. 2, 1952. Class 18.

Collins, Leo, Los Angeles, Calif. Black granite surface plates used to provide an accurate plane surface. 570,596, Feb. 17; Serial No. 616,793, published Sept. 23, 1952. Class 26.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon paper container packs and the carbon paper therein. 570,754, Feb. 17; Serial No. 614,651, published Nov. 18, 1952. Class 11.

Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Chemicals and chemical compositions. 570,782, Feb. 17; Serial No. 628,470, published Nov. 4, 1952. Class 6.

Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Chemicals and chemical compositions. 570,783, Feb. 17; Serial No. 628,471, published Oct. 28, 1952. Class 6.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Display and shipping cards. 301,963, renewed Mar. 21, 1953. O. G. Feb. 17. Class 2.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Tooth backing. 302,843, renewed May 2, 1953. O. G. Feb. 17. Class 44.

Costant Maritza Cosmetic Co. Inc.: See—
Paris Laboratories, Inc.

Courtaulds, Limited, London, England. Raw fibrous textile materials. 570,656, Feb. 17; Serial No. 622,009, published Oct. 14, 1952. Class 1.

Crompton & Knowles Loom Works, Worcester, Mass. Looms and weaving machinery. 570,698, Feb. 17; Serial No. 625,972, published Nov. 11, 1952. Class 23.

Crystal, David, Inc., New York, N. Y. Ladies' dresses, skirts, suits, blouses, etc. 570,650, Feb. 17; Serial No. 621,545, published Nov. 25, 1952. Class 39.

Curry, H. Douglas, Santa Barbara, Calif. Furniture, woodwork and leather polish. 570,544, Feb. 17; Serial No. 603,148, published Nov. 25, 1952. Class 4.

Cutler-Hammer, Inc., Milwaukee, Wis. Plastic molding compositions in powdered and granular form. 570,547, Feb. 17; Serial No. 604,257, published Oct. 14, 1952. Class 1.

Danny's Hide-A-Way, Inc., New York, N. Y. Coffee, tea and sugar. 570,529, Feb. 17; Serial No. 594,763, published Nov. 18, 1952. Class 46.

Davis, H. B. Company, The, Baltimore, Md. Interior wall paint. 570,791, Feb. 17; Serial No. 629,233, published Nov. 25, 1952. Class 16.

Davis Plywood Corporation, The, Cleveland, Ohio. Plywood. 570,522, Feb. 17; Serial No. 588,557, published July 1, 1952. Class 12.

Dazle Products Company: See—
Shyer, Michael J.

Deimler, Ralph W., doing business as Sta-Baltd Hook Company, Topeka, Kan. Soft ball books. 570,849, Feb. 17; Serial No. 622,145. Class 22.

Dewey and Almy Chemical Company, Cambridge, Mass. Chemical composition. 570,646, Feb. 17; Serial No. 621,310, published Nov. 18, 1952. Class 6.

Dick, A. B. Company, Niles, Ill. Stencils and stencil sheets. 298,498, Oct. 25, 1932. Republished Feb. 17, 1952. Class 37.

Dick, A. B. Company, Chicago, Ill. Folding machines. 570,752, Feb. 17; Serial No. 614,541, published Sept. 9, 1952. Class 23.

Dinnerwine Company: See—
Brocia, Andrea.

Doctors and Nurses Outfitting Company, Incorporated, San Francisco, Calif. Washable service apparel. 570,506, Feb. 17; Serial No. 595,121, published Nov. 18, 1952. Class 39.

Donnelley, Reuben H., Corporation, The, Chicago, Ill. Information service. 570,822, Feb. 17; Serial No. 605,732, published Nov. 25, 1952. Class 100.

Dow Corning Corporation, Midland, Mich. Lubricants, lubricating oils and greases, etc. 570,830, Feb. 17; Serial No. 619,809, published Nov. 25, 1952. Class 15.

Drummondville Cotton Company, Limited, Montreal, Quebec, Canada. Twines and cordage. 570,546, Feb. 17; Serial No. 603,714, published Nov. 25, 1952. Class 7.

Dunne, F. L. Co.: See—
Dunne, Frank L.

Dunne, Frank L., to F. L. Dunne Co., Boston, Mass. Men's outer clothing. 25,564, Dec. 4, 1894. New certificate. O. G. Feb. 17. Class 39.

Duro Co., The, Dayton, Ohio. Water softeners. 570,556, Feb. 17; Serial No. 605,785, published Sept. 23, 1952. Class 31.

Duro Metal Products Co., Chicago, Ill. Socket wrenches, socket wrench sets, socket wrench kits, etc. 570,624, Feb. 17; Serial No. 619,501, published Nov. 11, 1952. Class 23.

Duro Metal Products Company, Chicago, Ill. Screw drivers. 298,973, renewed Nov. 15, 1952. O. G. Feb. 17. Class 23.

Eastern Clay Products, Inc., Jackson, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Refrill seal for foundry core boxes and sand charging apparatus. 570,539, Feb. 17; Serial No. 611,603, published Nov. 25, 1952. Class 35.

Easton, Beattie O., Hamden, Conn. Pharmaceutical preparation. 570,762, Feb. 17; Serial No. 615,075, published Nov. 11, 1952. Class 18.

Edison, Thomas A., Incorporated, West Orange, N. J. Storage batteries. 301,881, renewed Mar. 21, 1953. O. G. Feb. 17. Class 21.

Edmont Manufacturing Company, Coshocton, Ohio. Utility gloves. 570,800, Feb. 17; Serial No. 629,891, published Nov. 18, 1952. Class 39.

Ekry Replaster Company, The, Dayton, Ohio. Autographic registers and paper fillers therefor. 302,374, renewed Apr. 18, 1933. O. G. Feb. 17. Class 37.

Emanuel, Jay, Publications, Inc., Philadelphia, Pa. Weekly magazine. 370,289, Aug. 22, 1939. Republished Feb. 17. Class 38.

Eslick Manufacturing Company, Los Angeles, Calif. Concrete mixers. 570,835, Feb. 17; Serial No. 489,726. Class 23.

Esterbrook Pen Company, The: See—
Esterbrook Steel Pen Manufacturing Company, The.

Esterbrook Steel Pen Manufacturing Company, The, to The Esterbrook Pen Company, Camden, N. J. Writing pens. 300,407, renewed Jan. 17, 1953. O. G. Feb. 17. Class 37.

Exclusive Linings, Inc., New York, N. Y. Lining fabrics in the piece. 570,735, Feb. 17; Serial No. 631,658, published Nov. 25, 1952. Class 42.

Faber-Castell, A. W. Penell Co., Inc., Newark, N. J. Carbon paper, typewriter ribbons, writing ink, etc. 570,705, Feb. 17; Serial No. 628,157, published Nov. 25, 1952. Class 11.

Fairbanks, Morse & Co., Chicago, Ill. Internal combustion engines, pumps, pumping plants, etc. 300,399, renewed Jan. 17, 1953. O. G. Feb. 17. Class 23.

Fairbanks, Morse & Co., Chicago, Ill. Generators, motors, domestic lighting plants and magnetos. 300,404, renewed Jan. 31, 1953. O. G. Feb. 17. Class 21.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Dyestuffs. 370,668, Feb. 17; Serial No. 623,243, published Nov. 26, 1952. Class 6.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Dyes. 370,773, Feb. 17; Serial No. 628,264, published Oct. 28, 1952. Class 6.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Dyes and dyestuffs. 370,774, Feb. 17; Serial No. 628,265, published Oct. 28, 1952. Class 6.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Medical preparation. 370,775, Feb. 17; Serial No. 628,267, published Nov. 18, 1952. Class 18.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Dyes and dyestuffs. 370,776, Feb. 17; Serial No. 628,268, published Oct. 28, 1952. Class 6.

Farbwerke Hoechst vormals Meister Lucius & Brüning, Frankfurt-on-the-Main-Hochst, Germany. Seed dressing agents. 370,768, Feb. 17; Serial No. 628,140, published Oct. 28, 1952. Class 6.

Federated Department Stores, Inc., Cincinnati, Ohio. Wool and cotton yarns, hosiery and thread. 370,769, Feb. 17; Serial No. 626,018, published Nov. 18, 1952. Class 33.

Ferguson, J. L. Company, Joliet, Ill. Packaging machine. 370,497, Feb. 17; Serial No. 527,496, published Nov. 11, 1952. Class 23.

Firmenich Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 370,755, Feb. 17; Serial No. 614,691, published Nov. 18, 1952. Class 52.

Firmenich Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 370,756, Feb. 17; Serial No. 614,693, published Nov. 18, 1952. Class 52.

Flintkote Company, Tbe, New York, N. Y. Roofing shingles. 370,710, Feb. 17; Serial No. 626,621, published Oct. 21, 1952. Class 12.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, paper towels, and paper tablecloths. 180,873, Mar. 11, 1924. Amended. O. G. Feb. 17. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 301,007, renewed Feb. 14, 1953. O. G. Feb. 17. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Paper napkins. 301,314, renewed Feb. 28, 1953. O. G. Feb. 17. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, and colored crepe paper. 313,767, June 5, 1934. Amended. O. G. Feb. 17. Class 37.

Foster Lumber Company, Kansas City, Mo. Asphalt base aluminum paint; "ready mixed" asphalt base aluminum paint, gilsonite preservative paint; etc. 370,579, Feb. 17; Serial No. 609,237, published Nov. 23, 1952. Class 16.

French Textile Company, New York, N. Y. Net ribbon. 370,803, Feb. 17; Serial No. 630,190, published Nov. 25, 1952. Class 42.

Fuller, D. B. & Co., Inc., New York, N. Y. Textile fabrics in the piece. 370,733-4, Feb. 17; Serial Nos. 631,414-15, published Nov. 23, 1952. Class 42.

G-M Liquid Plastics, Ltd.; See—
Goodenow, Earle A.

Gambrills Company, Inc., The, Gambrills, Md. Portland cement base paint. 370,525, Feb. 17; Serial No. 593,343, published Nov. 4, 1952. Class 12.

Garden Farm Dairy; See—
Steffen Dairy Foods Company, Inc.

Garod Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof. 317,279, Sept. 18, 1934. Republished Feb. 17. Class 21.

Gem Refrigerator Company Incorporated, Philadelphia, Pa. Beer cooling and dispensing system. 370,743, Feb. 17; Serial No. 613,404, published Nov. 11, 1952. Class 31.

General Conveyor Company; See—
Schroeder, Hans G.

General Dyestuff Corporation, New York, N. Y. Coloring agents. 370,616, Feb. 17; Serial No. 618,922, published Nov. 4, 1952. Class 6.

General Dyestuff Corporation, New York, N. Y. Chemicals. 370,617, Feb. 17; Serial No. 618,924, published Nov. 4, 1952. Class 6.

General Dyestuff Corporation, New York, N. Y. Wetting-out agents and preservatives. 370,625, Feb. 17; Serial No. 619,541, published Nov. 4, 1952. Class 6.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Vegetable gum. 370,724-5, Feb. 17; Serial Nos. 627,503-4, published Nov. 25, 1952. Class 1.

General Paint & Varnish Co., doing business as Mid City Paint Works, Chicago, Ill. Ready-mixed paints, varnishes, and paint enamels. 370,505, Feb. 17; Serial No. 564,005, published Nov. 23, 1952. Class 16.

Gettelman, A., Brewing Company, Milwaukee, Wis. Beer. 370,837, Feb. 17; Serial No. 584,184. Class 48.

Gibbons Food Products Company; See—
Butereg Company, The.

- Glove Roofing Products Co., Inc., Whiting, Ind. Shingles and siding. 570,597, Feb. 17; Serial No. 617,365, published Oct. 14, 1952. Class 12.
- Golden Treasure Coupon Co., The: See—
Zorn, August P.
- Goldman, David J., executor: See—
Goldman, Ralph H.
- Goldman, Ralph H., deceased, doing business under the firm name and style of Ralph H. Goldman Enterprises, New York, N. Y.; D. J. Goldman and M. W. Alexander, executors. Stick of a chemical substance. 570,629, Feb. 17; Serial No. 610,752, published Nov. 4, 1952. Class 52.
- Goldman, Ralph H., Enterprises: See—
Goldman, Ralph H.
- Goodenow, Earle A., doing business as G-M Liquid Plastics, Ltd., Oklahoma City, Okla. Liquid for treating nylon and other fabrics. 570,530, Feb. 17; Serial No. 595,375, published Oct. 28, 1952. Class 6.
- Goodenow-Morley Co., Oklahoma City, Okla. Polishing and cleaning material. 570,539, Feb. 17; Serial No. 602,258, published Nov. 4, 1952. Class 4.
- Gooderham & Worts Limited: See—
Gooderham & Worts, Ltd.
- Gooderham & Worts, Ltd., Toronto, Ontario, Canada, to Gooderham & Worts Limited, Detroit, Mich. Whisky. 300,863, renewed Feb. 14, 1953. O. G. Feb. 17. Class 49.
- Goodyear Aircraft Corporation, Wilmington, Del., and Akron, Ohio. Metal clad sandwich core bonded panels. 570,633, Feb. 17; Serial No. 620,598, published Oct. 14, 1952. Class 12.
- Gosch, Jacob R., Santurce, P. R. Perfume concentrate, perfume, toilet water, etc. 570,751, Feb. 17; Serial No. 614,249, published Nov. 4, 1952. Class 51.
- Gotham Hosiery Company, Inc.: See—
Gotham Silk Mfg. Co.
- Gotham Silk Mfg. Co., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 90,324, re-renewed Feb. 18, 1953. O. G. Feb. 17. Class 30.
- Gratz, Wm. R., Co., Inc., New York, N. Y. Wood wind and metal wind instruments. 570,839, Feb. 17; Serial No. 595,487. Class 36.
- Great Eastern Equipment Corp., New York, N. Y. Electric sewing machines and parts thereof. 570,713, Feb. 17; Serial No. 626,876, published Oct. 21, 1952. Class 23.
- Grenadier Corporation, The, New York, N. Y. Waterproofing and caulk building structures, etc. 570,830, Feb. 17; Serial No. 624,134, published Nov. 18, 1952. Class 103.
- Orliff Manufacturing Co., Inc., Brooklyn, N. Y. Preparations in cream, liquid, paste and wax form, for coloring, dressing, dyeing, preserving, softening and staining shoes, boots, leather, etc. 570,799, Feb. 17; Serial No. 620,795, published Nov. 25, 1952. Class 6.
- Guerlain, Inc., New York, N. Y. Perfumes, and toilet preparations. 570,662, Feb. 17; Serial No. 622,823, published Oct. 14, 1952. Class 51.
- Guy, Ralph I., doing business under the fictitious name and style of The Rig Company, Glendale, Calif. Multi-vitamin and multi-mineral preparation. 570,520, Feb. 17; Serial No. 585,795, published Nov. 11, 1952. Class 18.
- H. P. Sauce Limited: See—
Midland Vinegar Company Limited, The.
- Haire Publishing Company, New York, N. Y. Monthly magazine. 570,848, Feb. 17; Serial No. 620,672. Class 38.
- Hall, E. C., Company: See—
Odence, Charles, Company.
- Haloid Company, The, Rochester, N. Y. Cleaners. 570,602, Feb. 17; Serial No. 617,793, published Nov. 18, 1952. Class 52.
- Hamilton Metal Products Company, The, Hamilton, Ohio. Insulated, portable metal bucket. 570,592, Feb. 17; Serial No. 612,612, published Nov. 18, 1952. Class 2.
- Hand Prints, Inc., Wappingers Falls, N. Y. Textile printing. 570,831, Feb. 17; Serial No. 624,538, published Nov. 18, 1952. Class 106.
- Hanlon & Goodman Co., Belleville, N. J. Paint brushes. 570,840, Feb. 17; Serial No. 604,531. Class 20.
- Hardware Mutual Insurance Company of Minnesota, Minneapolis, Minn. Underwriting of fire, windstorm, aircraft, etc. insurance. 570,816, Feb. 17; Serial No. 593,117, published Nov. 25, 1952. Class 102.
- Harris & Covington Hosiery Mills, High Point, N. C. Men's half hose and ankle socks. 570,731, Feb. 17; Serial No. 628,483, published Nov. 25, 1952. Class 30.
- Hawley & Hoops, to Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candy. 371,448, Sept. 26, 1939. New certificate, O. G. Feb. 17. Class 46.
- Hearst Corporation, The: See—
King Features Syndicate, Inc.
- Hercules Powder Company, Wilmington, Del. Defoamers. 570,789-70, Feb. 17; Serial Nos. 628,204-5, published Oct. 28, 1952. Class 6.
- Hewlett Soap Company, Inc., The: See—
Cincinnati Soap Company, The.
- Hickok Oil Corporation, by Pure Oil Products Company, Toledo, Ohio. Paint enamels, varnishes, lacquers, etc. 297,867, Oct. 4, 1932. Republished Feb. 17. Classes 4 and 10.
- Hickok Oil Corporation, by Pure Oil Products Company, Toledo, Ohio. Radiator cement, adhesive patches, tire cements, etc. 297,967, Oct. 4, 1932. Republished Feb. 17. Class 5.
- Hickok Oil Corporation, by Pure Oil Products Company, Toledo, Ohio. Batteries, cables for electric circuits, and parts thereof. 298,015, Oct. 11, 1932. Republished Feb. 17. Class 21.
- Hillier Helicopters: See—
United Helicopters, Inc.
- Hlaze Ambrosia, Inc., New York, N. Y. Face and skin creams. 302,856, renewed May 2, 1953. O. G. Feb. 17. Class 51.
- Hoberg Paper & Fibre Company, to Hoberg Paper Mills, Inc., Green Bay, Wis. Toilet paper, paper towels, and paper napkins. 298,875, renewed Nov. 8, 1952. O. G. Feb. 17. Class 37.
- Hoberg Paper & Fibre Company, to Hoberg Paper Mills, Inc., Green Bay, Wis. Toilet paper, paper towels, and paper napkins. 298,877, renewed Nov. 8, 1952. O. G. Feb. 17. Class 37.
- Hoberg Paper & Fibre Company, to Hoberg Paper Mills, Inc., Green Bay, Wis. Toilet paper. 298,878, renewed Nov. 8, 1952. O. G. Feb. 17. Class 37.
- Hoberg Paper Mills, Inc.: See—
Hoberg Paper & Fibre Company.
- Hopkins & Hopkins Pharmaceutical Co., Philadelphia, Pa. Drug. 570,562, Feb. 17; Serial No. 606,706, published Aug. 14, 1951. Class 18.
- Horn, A. C., Company, to Sun Chemical Corporation, Long Island City, N. Y. Varnish compound. 300,924, renewed Feb. 14, 1953. O. G. Feb. 17. Class 16.
- Hrynkiwicz, Anthony, doing business as "Polo Wholesale Grocery Company," Hoboken, N. J. Canned vegetables. 301,160, Feb. 21, 1933. Republished Feb. 17. Class 46.
- Hughes, Chester T., doing business as Weather-Lox Products Co., Kansas City, Mo. Waterproofing materials. 570,631, Feb. 17; Serial No. 620,002, published Nov. 18, 1952. Class 12.
- Hunt, Rodney, Machine Company, Orange, Mass. Mechanical dye kettle. 298,812, renewed Aug. 23, 1952. O. G. Feb. 17. Class 23.
- Imperial Crown Toy Corp., Brooklyn, N. Y. Dolls. 570,780, Feb. 17; Serial No. 628,404, published Nov. 18, 1952. Class 22.
- Indian River Medicine Company: See—
Scalf, Mrs. Dossa.
- Infadent Corporation, The, Baltimore, Md. Teething lotion. 570,618, Feb. 17; Serial No. 618,930, published Nov. 11, 1952. Class 18.
- International Minerals & Chemical Corporation, assignee: See—
Eastern Clay Products, Inc.
- International Minerals & Chemical Corporation, Chicago, Ill. Composition of glycoamine and a methylating agent. 570,764, Feb. 17; Serial No. 616,102, published Nov. 18, 1952. Class 18.
- Johnson & Johnson, New Brunswick, N. J. Filter disks, rolls, and strips. 570,577, Feb. 17; Serial No. 607,958, published Nov. 4, 1952. Class 31.
- Julliard, A. D., & Co., Inc., New York, N. Y. Woolen piece goods. 570,845, Feb. 17; Serial No. 616,401. Class 42.
- Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo., to The Juvenile Shoe Corporation of America, Aurora, Mo. Shoes and slippers. 302,751, renewed Apr. 25, 1953. O. G. Feb. 17. Class 30.
- Kagram Corporation, assignee: See—
Smith, Robert E.
- Kansas City Star Company, The, Kansas City, Mo. Newspapers. 570,692, Feb. 17; Serial No. 625,533, published Nov. 25, 1952. Class 38.
- Karlson's Kilster Company, Rockford, Ill. Adhesive cements. 570,534, Feb. 17; Serial No. 598,533, published Nov. 25, 1952. Class 5.
- Kasekert, Fred, Greenwich, Conn., to Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 306,400, renewed Jan. 17, 1953. O. G. Feb. 17. Class 23.
- Kayser, Julius, & Co., New York, N. Y. Hosiery. 299,785, Dec. 20, 1932. Republished Feb. 17. Class 30.
- Kidman's Standard Stock Powder Co., Des Moines, Iowa. Mineralized food supplement. 570,545, Feb. 17; Serial No. 603,190, published Nov. 11, 1952. Class 18.
- King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Series of cartoon strips. 302,694, renewed Apr. 25, 1953. O. G. Feb. 17. Class 38.
- Kirwin & Kowall, Wilmington, Del. Wall patching material. 570,600, Feb. 17; Serial No. 622,777, published Oct. 21, 1952. Class 12.
- Klamath Potato Growers Association, Klamath Falls, Oreg. Raw potatoes. 570,854, Feb. 17; Serial No. 599,497. Class 46.
- Kleijn, Adrianna, trading as Chefaro Chemische Fabriek "Rotterdam," Rotterdam-West, South Holland, Netherlands. Chemical preparation. 570,651, Feb. 17; Serial No. 621,671, published Oct. 28, 1952. Class 6.
- Kleinert, I. B., Rubber Company, New York, N. Y. Women's and misses' undergarments. 570,587, Feb. 17; Serial No. 611,058, published Nov. 18, 1952. Class 39.
- Knudsen Creamery Co. of California, Los Angeles, Calif. Dairy products. 570,588, Feb. 17; Serial No. 611,439, published Oct. 7, 1952. Class 40.

- Koppers Company, Inc., Pittsburgh, Pa. Solid, vaporizable insecticides. 570,797, Feb. 17; Serial No. 629,736, published Nov. 11, 1952. Class 6.
- Krispy Kake Kone Company, Los Angeles, Calif. Ice-cream, ice-cream sandwiches. 570,695, Feb. 17; Serial No. 625,910, published Nov. 11, 1952. Class 46.
- Kronstadt, Max, doing business as Bristol Seamless Ring Co., by Bristol Seamless Ring Company, New York, N. Y. Finger rings. 293,035, Apr. 5, 1932. Republished Feb. 17. Class 28.
- Kronstadt, Max, doing business as Bristol Seamless Ring Co., by Bristol Seamless Ring Company, New York, N. Y. Finger rings. 293,037, Apr. 5, 1932. Republished Feb. 17. Class 28.
- Kronstadt, Max, doing business as Bristol Seamless Ring Co., by Bristol Seamless Ring Company, New York, N. Y. Finger rings. 293,058, Apr. 5, 1932. Republished Feb. 17. Class 28.
- Kuljian Corporation, The, Philadelphia, Pa. Mechanical, electrical, chemical and architectural engineering services. 570,820, Feb. 17; Serial No. 603,244, published Nov. 25, 1952. Class 100.
- Kurless Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paints. 570,852, Feb. 17; Serial No. 630,084. Class 16.
- Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South, doing business as Cokesbury Press, to Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Religious periodical. 299,724, renewed Dec. 20, 1952. O. G. Feb. 17. Class 38.
- Land, Alfred E., Bluefield, W. Va. Diamond rings and mountings therefor. 570,784, Feb. 17; Serial No. 628,543, published Oct. 21, 1952. Class 28.
- Langston, Samuel M., Co., Camden, N. J. Apparatus and machines used in the heavy paper industry. 570,658, Feb. 17; Serial No. 622,392, published Nov. 11, 1952. Class 23.
- Lawrence Paper Company, The: See—
Bowersock, Justin D.
- Lawrie Laboratories: See—
Lawrie, William M.
- Lawrie, William M., doing business under the name Lawrie Laboratories, Glendale, Calif. Therapeutic oral solution. 570,744, Feb. 17; Serial No. 613,466, published Nov. 18, 1952. Class 18.
- Leacock & Co., Inc., New York, N. Y. Table cloths, napkins and furniture scarves. 570,732, Feb. 17; Serial No. 631,107, published Nov. 25, 1952. Class 42.
- Lechner, Richard, Enterprises, Inc., Studio City, Calif. Printed index sheets. 570,702, Feb. 17; Serial No. 626,088, published Nov. 25, 1952. Class 38.
- Linotype Products Company: See—
Tenderich, Gertrude S.
- Liquid Freeze Corporation, Oakland, Calif. Ice-making machines. 570,559, Feb. 17; Serial No. 606,306, published Sept. 16, 1952. Class 31.
- Lowe, Joe, Corporation: See—
Popsicle Corporation of the United States, The.
- Makers of Kal, Inc., Los Angeles, Calif. Tablets for appeasing hunger, etc. 570,613, Feb. 17; Serial No. 618,749, published Dec. 2, 1952. Class 18.
- Makers of Kal, Inc., Los Angeles, Calif. Preparation containing vitamins, choline, inositol, etc. 570,765, Feb. 17; Serial No. 628,044, published Nov. 11, 1952. Class 18.
- Marionette Mills, Inc., South Coatesville, Pa. Nylon yarn. 570,682, Feb. 17; Serial No. 625,018, published Nov. 18, 1952. Class 43.
- Marley Company, Inc., The, Kansas City, Mo. Liquid cooling towers and parts thereof. 570,790, Feb. 17; Serial No. 620,211, published Nov. 4, 1952. Class 31.
- Marley Company, Inc., The, Kansas City, Mo. Liquid cooling towers and parts thereof. 570,805, Feb. 17; Serial No. 630,277, published Nov. 18, 1952. Class 31.
- Marsh Wall Products, Inc., Dover, Ohio, assignor to United States Plywood Corporation, New York, N. Y. Wall panels. 570,623, Feb. 17; Serial No. 619,397, published Oct. 14, 1952. Class 12.
- Mason, Au & Magenheimer Conf. Mfg. Co.: See—
Hawley & Hoops.
- Masengill, S. E., Company, The, Bristol, Tenn. Vitamin-mineral perle. 570,609, Feb. 17; Serial No. 618,644, published Dec. 2, 1952. Class 18.
- Mathews Conveyor Company, Ellwood City, Pa. Wheel conveyers, chutes, roller conveyers, etc. 570,576, Feb. 17; Serial No. 607,710, published Oct. 28, 1952. Class 23.
- Mathieson Chemical Corporation, Baltimore, Md., assignee of Southern Acid & Sulphur Company, Incorporated. Sulphur. 570,514, Feb. 17; Serial No. 576,154, published Aug. 19, 1952. Class 6.
- Muts Paint & Varnish Company, Madison, Wis. Rubber base paint. 570,847, Feb. 17; Serial No. 620,288. Class 16.
- May Fuel Oil Corporation: See—
May Oil Burner Corporation.
- May Oil Burner Corporation, to May Fuel Oil Corporation, Baltimore, Md. Heating furnace fuel oils. 302,243-4, renewed Apr. 4, 1953. O. G. Feb. 17. Class 15.
- McCray Refrigerator Company, Kendallville, Ind., now by change of name McCray Refrigerator Company, Inc. Refrigerators. 570,548, Feb. 17; Serial No. 604,484, published Sept. 16, 1952. Class 31.
- McCray Refrigerator Company, Inc.: See—
McCray Refrigerator Company.
- McGinniss, George S., South Norwalk, Conn. Advertising the goods and services of sponsors. 570,823, Feb. 17; Serial No. 608,367, published Nov. 11, 1952. Class 101.
- Metallastik Limited, Leicester, England. Anti-vibration and shock absorbing mountings for vehicles, etc. 570,578, Feb. 17; Serial No. 608,320, published Nov. 11, 1952. Class 10.
- Michelson, Herman, Everett, Wash. Ointment. 570,703, Feb. 17; Serial No. 626,106, published Dec. 2, 1952. Class 18.
- Mid City Paint Works: See—
General Paint & Varnish Co.
- Midland Vinegar Company Limited, The, to H. P. Sauce Limited, Birmingham, England. Sauce and pickles. 90,229, re-renewed Feb. 11, 1953. O. G. Feb. 17. Class 46.
- Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Vitamin B₁₂. 570,528, Feb. 17; Serial No. 594,274, published Oct. 9, 1951. Class 18.
- Miller and Rhoads, Incorporated, Richmond, Va. Silverware chests, covered bags for silverware, storage hampers, etc. 570,666, Feb. 17; Serial No. 623,100, published Nov. 25, 1952. Class 2.
- Minnesota Electronics Corporation, The, St. Paul, Minn. Static elimination and cleaning solution. 570,532, Feb. 17; Serial No. 596,616, published Nov. 18, 1952. Class 52.
- Mr. Atom Associates, Los Angeles, Calif. Disseminating information to educators. 570,817-18, Feb. 17; Serial Nos. 601,504-5, published Nov. 11, 1952. Class 100.
- Modern Optics, Incorporated, Houston, Tex. Ophthalmic lenses and lens blanks. 570,676, Feb. 17; Serial No. 624,557, published Sept. 16, 1952. Class 26.
- Moll, Harry, Denver, Colo. Rubber ice molds. 570,510, Feb. 17; Serial No. 574,235, published Oct. 28, 1952. Class 31.
- Monark Silver King, Inc., Chicago, Ill. Bicycles. 570,643, Feb. 17; Serial No. 621,220, published Nov. 4, 1952. Class 19.
- Monroe Auto Equipment Company, Monroe, Mich. Automobile shock absorbers. 570,654-5, Feb. 17; Serial Nos. 622,058-9, published Nov. 4, 1952. Class 19.
- Monsanto Chemical Company, St. Louis, Mo. Films and sheets derived from plastic compositions. 570,721, Feb. 17; Serial No. 627,368, published Nov. 25, 1952. Class 1.
- Morse Sewing Machine and Supply Corp., New York, N. Y. Sewing machines. 570,699, Feb. 17; Serial No. 625,992, published Oct. 14, 1952. Class 23.
- Mooli Manufacturing Corporation, Union, N. J. Nut and lobster cracker. 570,572, Feb. 17; Serial No. 607,442, published Nov. 11, 1952. Class 23.
- Mulhern, John, Co., San Francisco, Calif. Syrups and fruit juices. 301,903, renewed Mar. 21, 1953. O. G. Feb. 17. Class 40.
- Mutual Pharmsal Corp., The, Stamford, Conn. Drug of lipotropic factors. 570,699, Feb. 17; Serial No. 617,454, published Nov. 11, 1952. Class 18.
- N. V. Koninklijke Delftse Aardewerfabriek "De Porcelayne Flea" voorheen Joost Thooft en Labouchere (N. V. Falencerie Royale de Delft "De Porcelayne Flea," clavant Joost Thooft et Labouchere, N. V. Royal Delft Ware Manufactory "De Porcelayne Flea," late Joost Thooft and Labouchere, Koninklijke Delfter Falence Fabrik "De Porcelayne Flea," vormals Joost Thooft und Labouchere), Delft, Netherlands. Ceramic products. 570,503, Feb. 17; Serial No. 562,384, published Oct. 28, 1952. Class 30.
- National Automatic Tool Company, The, Dayton, Ohio, and Richmond, Ind., to National Automatic Tool Company, Inc., Richmond, Ind. Drilling, reaming, and tapping machines, slotting-machines, etc. 89,486, re-renewed Dec. 17, 1952. O. G. Feb. 17. Class 23.
- National Automatic Tool Company, Inc.: See—
National Automatic Tool Company, The.
- National Bellas Hess, Inc., North Kansas City, Mo. Men's suits and overcoats, men's underwear shorts, etc. 570,796, Feb. 17; Serial No. 629,449, published Nov. 18, 1952. Class 39.
- National Carbide Corporation, Wytheville, Va., New York, N. Y., and Ivanhoe, Va., to Air Reduction Company, Incorporated, New York, N. Y. Calcium carbide. 297,315, renewed Sept. 13, 1952. O. G. Feb. 17. Class 6.
- National Electric Products Corporation, Pittsburgh, Pa. Cables. 570,745, Feb. 17; Serial No. 613,727, published Oct. 28, 1952. Class 21.
- National Filter Media Corporation, The, New Haven, Conn. Bags of woven filter cloth. 570,620, Feb. 17; Serial No. 619,029, published Oct. 28, 1952. Class 31.
- National Health Aids of Baltimore, Inc., Baltimore, Md. Vitamin and mineral product. 570,729, Feb. 17; Serial No. 627,828, published Dec. 2, 1952.
- National Lead Company, Sayreville, N. J., and New York, N. Y. Lead oxide, mixtures of lead oxide with lead chromate, lead sulphate, etc. 570,611, Feb. 17; Serial No. 618,710, published Nov. 4, 1952. Class 6.
- National Package Drugs, Inc., St. Louis, Mo. Antacid powder. 570,740, Feb. 17; Serial No. 634,052, published Dec. 2, 1952. Class 18.
- National Promotion Associates, Pittsburgh, Pa. Services to promote the sale of theatre tickets, etc. 570,853, Feb. 17; Serial No. 562,146. Class 101.

LIST OF REGISTRANTS OF TRADE-MARKS

National Silver Company, New York, N. Y. Base metal table cutlery. 570,781, Feb. 17; Serial No. 628,422, published Nov. 18, 1952. Class 23.

National Starch Products Inc., New York, N. Y. Thermoplastic adhesive. 570,603, Feb. 17; Serial No. 625,537, published Nov. 25, 1952. Class 5.

Native Laces & Textiles, Incorporated, New York, N. Y. Knitted textile fabrics. 570,736, Feb. 17; Serial No. 631,750, published Nov. 25, 1952. Class 42.

Native Laces & Textiles, Incorporated, New York, N. Y. Knitted textile fabrics. 570,737, Feb. 17; Serial No. 631,752, published Nov. 25, 1952. Class 42.

Nichols and Nichols, Chicago, Ill. Laminated wood. 570,516, Feb. 17; Serial No. 577,800, published Jan. 22, 1952. Class 12.

Nopec Chemical Company, Harrison, N. J. Fat-soluble vitamin-containing glyceride oils. 570,541-3, Feb. 17; Serial Nos. 602,622-4, published Nov. 18, 1952. Class 18.

Norgren, C. A., Co., Denver, Colo. Filters. 570,598, Feb. 17; Serial No. 617,049, published Oct. 28, 1952. Class 31.

Noxama Chemical Company, Baltimore, Md. Medicated skin cream. 570,586, Feb. 17; Serial No. 610,757, published Nov. 11, 1952. Class 18.

No-Becol Company, The: See—
Sealf, Mrs. Dessa.

No Grape Bottling Co., Inc., to Alabama Growers Association, Inc., Montgomery, Ala. Carbonated nonalcoholic, noncarbonated, maltless beverages. 257,805, June 18, 1929. New certificate. O. G. Feb. 17. Class 45.

Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Women's and girls' hats, jeans, handkerchiefs, and scarves. 570,590, Feb. 17; Serial No. 611,910, published Apr. 29, 1952. Class 30.

Oakley, Annie, Enterprises, Inc., assignee: See—
Oakley, Annie, Enterprises.

O'Connell Brothers, Inc., Overland and St. Louis, Mo. Methamphetamine. 570,573, Feb. 17; Serial No. 607,510, published Nov. 25, 1952. Class 18.

Odell Company, Inc., The, Newark, N. J. After shave freshener. 570,644, Feb. 17; Serial No. 621,224, published Nov. 4, 1952. Class 51.

Odence, Charles, Company, Boston, by E. C. Hall Company, Hingham, Mass. Cigars. 298,347, Oct. 25, 1932. Republished Feb. 17. Class 17.

Ollendorf, L. Co., Inc., to Ollendorf Watch Co. Inc., New York, N. Y. Watch bracelets, fobs and chains, pins, etc. 302,918, renewed May 2, 1953. O. G. Feb. 17. Class 28.

Ollendorf Watch Co. Inc.: See—
Ollendorf, L. Co., Inc.

Omea Limited, London, England. Machines for producing metal forgings. 570,703, Feb. 17; Serial No. 616,046, published Sept. 9, 1952. Class 23.

Onelda Ltd., Onelda and Sherrill, N. Y. Sterling silver flatware and hollowware. 570,728, Feb. 17; Serial No. 627,641, published Oct. 21, 1952. Class 28.

Orchard, Mildred C., doing business under the fictitious name and style of Bully Bag Company, San Francisco, Calif. Bags used in connection with defecating and dry bathing of pets. 570,777, Feb. 17; Serial No. 628,280, published Nov. 18, 1952. Class 3.

Ortill, Harry F., Company, Philadelphia, Pa. Electrical construction services. 570,824, Feb. 17; Serial No. 610,498, published Nov. 25, 1952. Class 103.

P. & M. Co., The, to Poor & Company, Chicago, Ill. Metal rail-anchors, antiscreeper, tie-plate, etc. 89,292, renewed Dec. 3, 1952. O. G. Feb. 17. Class 14.

Pacific Engineering Products Co., Inc., San Diego, Calif. Ion-exchange water conditioners. 570,553, Feb. 17; Serial No. 605,489, published Nov. 4, 1952. Class 31.

Palmer, Arthur W., Jr., doing business under the assumed name of Tru Le Do Products Company, Detroit, Mich. Hairdressing and hair and scalp lotion. 570,549, Feb. 17; Serial No. 604,879, published Nov. 4, 1952. Class 51.

Pappan, Victoria, doing business under the name The Almonectar Company, New York, N. Y. Non-alcoholic maltless soft drinks. 570,844, Feb. 17; Serial No. 616,187. Class 45.

Paris Laboratories, Inc., to Countess Maritza Cosmetic Co., Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 302,899, renewed May 2, 1953. O. G. Feb. 17. Class 51.

Pascall, James, Limited, Mitcham, England. Confectionery. 39,304, Nov. 18, 1902. Republished Feb. 17. Class 46.

Ped-O-Pin Company, Waverly, Iowa. Liquid soap. 570,580, Feb. 17; Serial No. 609,061, published Nov. 18, 1952. Class 52.

Peppard, J. G., Seed Co., by Peppard Seed Co., Kansas City, Mo. Field-seeds. 90,374, Feb. 18, 1913. Republished Feb. 17. Class 1.

Peppard Seed Co.: See—
Peppard, J. G., Seed Co.

Perkins, R. Marlin, Chicago, Ill. Written material and pictures. 570,614, Feb. 17; Serial No. 618,812, published Nov. 25, 1952. Class 38.

Perron Chemical Co.: See—
Perron, Fletcher K., Jr.

Perron, Fletcher K., Jr., trading as Perron Chemical Co., Hurt, Va. Paste and liquid wax, and liquid furniture polish. 570,500, Feb. 17; Serial No. 644,757, published Nov. 25, 1952. Class 4.

Peterson, Ruth: See—
Barndt, Ruth O.

Pfaff & Kendall, Newark, N. J. Street and highway lighting standards and poles. 570,540, Feb. 17; Serial No. 602,285, published Oct. 28, 1952. Class 12.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicated throat lozenges. 570,501, Feb. 17; Serial No. 606,678, published Nov. 11, 1952. Class 18.

Pfizer, Chas. & Co., Inc., Brooklyn, N. Y. Syringes and needles. 570,719, Feb. 17; Serial No. 627,350, published Nov. 25, 1952. Class 44.

Pfizer, Chas. & Co., Inc., Brooklyn, N. Y. Syringes and needles. 570,720, Feb. 17; Serial No. 627,352, published Nov. 25, 1952. Class 44.

Phi Alpha Theta, Allentown, Pa. Organizing chapters in a national fraternity in history; maintaining membership therein, etc. 570,832, Feb. 17; Serial No. 604,382, published Nov. 25, 1952. Class 100.

Phillips Petroleum Company, Bartlesville, Okla. Services rendered to automobiles, trucks, and other automotive vehicles. 570,821, Feb. 17; Serial No. 605,490, published Nov. 4, 1952. Class 103.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Medical preparation. 570,683, Feb. 17; Serial No. 625,031, published Nov. 18, 1952. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmaceutical Company, Minneapolis, Minn. Medical preparation. 570,787, Feb. 17; Serial No. 629,040, published Nov. 25, 1952. Class 18.

Piguet, Robert, Paris, France. Perfumes. 570,557, Feb. 17; Serial No. 605,871, published Nov. 11, 1952. Class 51.

Pineochem Manufacturing Company, The, New York, to Haybank Drug Co., Inc., Richmond Hill, N. Y. Cough and cold remedies. 40,248, re-renewed May 5, 1953. O. G. Feb. 17. Class 18.

Pioneer Asbestos Company: See—
Higgs, Floyd R.

Pioneer Brake Lining Company: See—
Higgs, Floyd R.

Pittsfield: See—
Arrowitz, Michael M.

"Polo Wholesale Grocery Company": See—
Hrynkiwicz, Anthony.

Polnec Company, Inc., Jersey City, N. J. Dentifrice containing penicillin. 570,759, Feb. 17; Serial No. 615,571, published Nov. 11, 1952. Class 18.

Poor & Company: See—
P. & M. Co., The.

Popple Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Frozen confections. 301,335, renewed Feb. 28, 1953. O. G. Feb. 17. Class 46.

Preservalline Manufacturing Co., The, Brooklyn, N. Y., to Preservalline Manufacturing Company, Flemington, N. J. Ice cream powders, spices and thickeners, binders, etc. 91,372, re-renewed Apr. 29, 1953. O. G. Feb. 17. Class 46.

Preservalline Manufacturing Company: See—
Preservalline Manufacturing Co., The.

Protexol Corporation, Kenilworth, N. J. Chemically treating lumber, wood, plywood, and veneer. 570,829, Feb. 17; Serial No. 620,789, published Nov. 18, 1952. Class 106.

Pure Oil Products Company: See—
Hickok Oil Corporation.

Quaker Silver Co., Inc., North Attleboro, Mass. Sterling silver salt and pepper shakers. 570,700, Feb. 17; Serial No. 626,047, published Oct. 21, 1952. Class 28.

Rapidol Distributing Corporation, New Hyde Park, N. Y. Hair rinse. 570,558, Feb. 17; Serial No. 606,050, published Oct. 28, 1952. Class 51.

Reader's Digest Association, Inc., The, Pleasantville, N. Y. Feature articles. 570,788, Feb. 17; Serial No. 629,054, published Nov. 25, 1952. Class 38.

Reader's Digest Association, Inc., The, Pleasantville, N. Y. Feature articles. 570,789, Feb. 17; Serial No. 629,050, published Nov. 25, 1952. Class 38.

Red-Dee Products Co., Chicago, Ill. Ceramic and plastic tile. 570,571, Feb. 17; Serial No. 607,396, published Nov. 4, 1952. Class 12.

Reed & Carnrick, Jersey City, N. J. Pharmaceutical preparation. 570,792-3, Feb. 17; Serial Nos. 629,320-1, published Nov. 25, 1952. Class 18.

Refrigerative Supply, Inc., Seattle, Wash. Household refrigerators, home freezers, frozen food display cabinets, etc. 570,582, Feb. 17; Serial No. 610,029, published Sept. 9, 1952. Class 31.

Refua, Inc., Baltimore, Md. Preparation for the treatment of skin irritations. 570,681, Feb. 17; Serial No. 624,848, published Nov. 11, 1952. Class 18.

Republic Gear Company, Detroit, Mich. Universal joints. 570,766, Feb. 17; Serial No. 628,052, published Nov. 11, 1952. Class 23.

Republic Hard Facing Corporation, Bedford, Ohio. Motor exhaust and intake valves. 570,608, Feb. 17; Serial No. 618,509, published Nov. 11, 1952. Class 23.

Richter, Charles M., New York, N. Y. Powders used in the preparation of non-alcoholic maltless cola-flavored soft drinks. 570,841, Feb. 17; Serial No. 600,326. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

Rig Company, The: See—
Guy, Ralph I.

Rockwood & Co., Brooklyn, N. Y. Chocolate candy pieces. 570,741, Feb. 17; Serial No. 634,918, published Nov. 25, 1952. Class 40.

Rogers and La Mance, Dra., San Angelo, Tex. Treating susceptible lymphoid tissue. 570,814, Feb. 17; Serial No. 574,677, published Nov. 11, 1952. Class 100.

Rogers and La Mance, Dra., San Angelo, Tex. Treating tonsils. 570,815, Feb. 17; Serial No. 574,678, published Nov. 11, 1952. Class 100.

Rosen, Sam, doing business as Rosen Sanitary Wiping Cloth Co., New Orleans, La. Wiping cloths. 570,551, Feb. 17; Serial No. 605,328, published Nov. 25, 1952. Class 29.

Rosen Sanitary Wiping Cloth Co.: See—
Rosen, Sam.

Rubecoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt weather strips. 570,640, Feb. 17; Serial No. 620,745, published Nov. 4, 1952. Class 12.

Rumfelt, W. M., doing business as Claroka Co., Claremore, Okla. Plaster or stucco. 570,641, Feb. 17; Serial No. 620,829, published Oct. 14, 1952. Class 12.

Russell-Miller Milling Co.: See—
Russell-Miller Milling Company.

Russell-Miller Milling Company, to Russell-Miller Milling Co., Minneapolis, Minn. Flour. 91,380, re-renewed Apr. 29, 1953. O. G. Feb. 17. Class 46.

Samar Cosmetic Co.: See—
Samar, George E.

Samar, George E., doing business as Samar Cosmetic Co., Syracuse, N. Y. Cologne, perfume, face powder, etc. 570,757, Feb. 17; Serial No. 615,137, published Nov. 4, 1952. Class 51.

Santa Clara Valley Fruit Exchange, San Jose, Calif. Fresh cherries. 297,703, renewed Sept. 27, 1952. O. G. Feb. 17. Class 46.

Savage Arms Corporation, Utica, N. Y. Gasoline powered rotary lawn mowers. 570,600, Feb. 17; Serial No. 617,514, published Nov. 11, 1952. Class 23.

Sealf, Mrs. Dessa, doing business as Indian River Medicine Company, and The Nu-Becol Company, La Follette, Tenn. Dietary supplement. 570,568, Feb. 17; Serial No. 606,901, published Nov. 6, 1951. Class 18.

Scharff, Werner G., Santa Monica, Calif. Women's and children's clothing. 570,679, Feb. 17; Serial No. 624,602, published Nov. 18, 1952. Class 30.

Schmuka's Packing Co., New York, N. Y. Foods. 570,526, Feb. 17; Serial No. 593,602, published Nov. 25, 1952. Class 48.

Schnelerson, I. & Sons, Inc., New York, N. Y. Ladies' and children's slippers. 570,748, Feb. 17; Serial No. 614,013, published Nov. 18, 1952. Class 39.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 297,763, Sept. 27, 1932. Republished Feb. 17. Class 39.

Schroeder, Hans G., doing business as General Conveyor Company, Long Island City, N. Y. Conveyor systems and parts. 570,636, Feb. 17; Serial No. 620,692, published Sept. 23, 1952. Class 23.

Schubler, F. E., & Co., Inc., Joliet, Ill. Dry magnesite cement. 570,550, Feb. 17; Serial No. 605,233, published Oct. 21, 1952. Class 12.

Seamprufe Incorporated, New York, N. Y. Women's apparel. 570,806, Feb. 17; Serial No. 630,452, published Nov. 18, 1952. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Felt and metal weatherstripping. 570,749, Feb. 17; Serial No. 614,101, published Nov. 4, 1952. Class 12.

Sears, Roebuck and Co., Chicago, Ill. Electric refrigerator storage drawers. 570,794, Feb. 17; Serial No. 629,327, published Nov. 18, 1952. Class 31.

Seasonite Co., The: See—
Stollman, O. S.

Seefeldt Company, Inc., The: See—
Bechtold, Lewis.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Monthly magazine. 570,706, Feb. 17; Serial No. 626,178, published Nov. 25, 1952. Class 38.

Shellmar Products Corporation, Chicago, Ill. Merchandise envelopes and bags. 570,801, Feb. 17; Serial No. 630,038, published Nov. 25, 1952. Class 2.

Sherman Bros. Mfg. Co., The, South Norwalk, Conn. Boots, shoes, slippers, etc. 324,149, May 14, 1935. Republished Feb. 17. Class 39.

Shyer, Michael J., trading and doing business as Dazale Products Company, Nashville, Tenn. Jewelry cleaner. 570,575, Feb. 17; Serial No. 607,609, published Nov. 25, 1952. Class 52.

Ski News and Ski Illustrated, Norwich, Vt. Magazine. 570,507, Feb. 17; Serial No. 566,728, published Nov. 25, 1952. Class 38.

Smith, Robert E., assignor to Kagram Corporation, New York, N. Y. Entertainment service. 570,813, Feb. 17; Serial No. 554,727, published Jan. 9, 1951. Class 107.

Socfin Company, Limited, Kuala Lumpur, Malaya. Natural, synthetic, and reclaimed rubbers. 570,738-9, Feb. 17; Serial Nos. 632,752-3, published Nov. 25, 1952. Class 1.

Societe a Responsabilite Limitee Dite: Marquay, Paris, France. Perfume. 570,634, Feb. 17; Serial No. 620,532, published Nov. 4, 1952.

Societe Anonyme dite: Messier, Paris, France. Airplanes and helicopters; landing gears for aircraft, etc. 570,538, Feb. 17; Serial No. 602,226, published Sept. 23, 1952. Class 19.

Socorex Societe Anonyme, Lausanne, Switzerland. Chrome nickel steel hypodermic rustless needles for medical and dental use. 570,701, Feb. 17; Serial No. 626,058, published Nov. 25, 1952. Class 44.

Southern Acid & Sulphur Company, Incorporated: See—
Mathieson Chemical Corporation.

Speco Inc., Cleveland, Ohio. Chemical preparations. 570,870, Feb. 17; Serial No. 623,685, published Nov. 4, 1952. Class 8.

Sta-Baited Hook Company: See—
Delmier, Ralph W.

Staley Milling Company: See—
Alfocorn Milling Company.

Standard Brewing Company, The, Cleveland, Ohio. Beer. 570,846, Feb. 17; Serial No. 619,773. Class 48.

Standard Oil Company, an Indiana Corporation, Chicago, Ill. Lubricating oil and cordage oil. 670,637, Feb. 17; Serial No. 620,697, published Nov. 25, 1952. Class 15.

State Signs, assignor to Vital Aid Corporation of America, Passaic, N. J. Medicinal vitamin tonic. 570,603, Feb. 17; Serial No. 618,059, published Dec. 2, 1952. Class 18.

Steffen Dairy Foods Company, Inc., also doing business under the trade style Garden Farm Dairy, Wicbika, Kansas, and Denver, Colo. Certain dairy foods. 570,570, Feb. 17; Serial No. 607,202, published Nov. 25, 1952. Class 46.

Stehling, Chas. H., Company, Milwaukee, Wis. Hide and leather working machines. 570,663, Feb. 17; Serial No. 622,654, published Sept. 23, 1952. Class 23.

Steinberg Bros., New York, N. Y. Ladies' foundation garments. 570,807, Feb. 17; Serial No. 630,521, published Nov. 18, 1952. Class 39.

Stelne, George J., Plano, Ill. Automobile seat covers. 570,677, Feb. 17; Serial No. 624,613, published Nov. 11, 1952. Class 19.

Stokes and Smith Company, Philadelphia, Pa. Packaging machines. 570,512-13, Feb. 17; Serial Nos. 575,677-8, published Sept. 2, 1952. Class 23.

Stollman, O. S., doing business under the name of The Seasonite Co., Chicago, Ill. Combination storm sash and screen windows, and combination storm and screen doors, etc. 570,508, Feb. 17; Serial No. 568,221, published Dec. 2, 1952. Class 12.

Stone Manufacturing Co., Inc., Greenville, S. C. Garments. 570,531, Feb. 17; Serial No. 595,920, published Nov. 18, 1952. Class 39.

Stonhard Company: See—
Berman, Benjamin.

Sun Chemical Corporation: See—
Horn, A. C., Company.

Sunset Incorporated, doing business as Webster Distilled Products Co., Chicago, Ill. Bourbon whiskey. 570,850, Feb. 17; Serial No. 622,419. Class 49.

Superior Coach Corporation, Lima, Ohio. Motor driven funeral and invalid cars and school buses. 570,523-4, Feb. 17; Serial Nos. 585,975-6, published Nov. 11, 1952. Class 19.

Sutherland Paper Company, Kalamazoo, Mich. Paper dishes. 570,795, Feb. 17; Serial No. 629,331, published Nov. 25, 1952. Class 2.

Swarts, Eleanor L., Hinsdale, Ill. Ladies' handbags. 570,633, Feb. 17; Serial No. 620,475, published Nov. 18, 1952. Class 3.

Swift & Company, Chicago, Ill. Baby chicks. 570,730, Feb. 17; Serial No. 627,956, published Nov. 25, 1952. Class 1.

Szydlowski, Joseph, Turbomeca Bordes, France. Internal combustion engines and parts thereof. 570,715-17, Feb. 17; Serial No. 627,097-9, published Oct. 28, 1952. Class 23.

Tandro Fabrica Corp., New York, N. Y. Textile fabrics in the piece. 570,583, Feb. 17; Serial No. 610,240, published Nov. 25, 1952. Class 42.

Tenns Products Company, Chicago, Ill. Plastic moldable tablets for use in the formation of electrotypes, etc. 570,674, Feb. 17; Serial No. 623,997, published Oct. 28, 1952. Class 1.

Tenderich, Gertrude S., doing business as Linotape Products Company, Denver, Colo. Products, equipment and material, as a complete kit and employed in a process of applying contrasting colors to type setting matrices, etc. 570,581, Feb. 17; Serial No. 609,987, published Sept. 23, 1952. Class 50.

Theobald Industries, The, Kearny, N. J. General household and industrial cleanser. 570,563, Feb. 17; Serial No. 606,819, published Nov. 25, 1952. Class 52.

Theobald Industries, The, Kearny, N. J. General household and industrial cleanser. 570,564, Feb. 17; Serial No. 606,821, published Nov. 25, 1952. Class 52.

Theobald Industries, The, Kearny, N. J. General household and industrial cleanser. 570,565, Feb. 17; Serial No. 606,823, published Nov. 25, 1952. Class 52.

Theobald Industries, The, Kearny, N. J. Cleaning preparation. 570,566, Feb. 17; Serial No. 606,827, published Nov. 18, 1952. Class 52.

Thurmond, Holmes A., Shreveport, La. Boats. 570,648, Feb. 17; Serial No. 621,382, published Nov. 11, 1952. Class 19.

LIST OF REGISTRANTS OF TRADE-MARKS

- Tru Le Do Products Company: See—
Fahner, Arthur W., Jr.
Tuwill Chemical Company: See—
Williams, E. L.
Twining, Homer L., doing business as Acme Sawdust Company, San Antonio, Tex. Composition used as an additive to drilling fluid. 570,680, Feb. 17; Serial No. 624,766, published Nov. 4, 1952. Class 6.
Ulmer Pharmaceutical Company: See—
Physicians and Hospitals Supply Company, Inc. Underwood Corporation, New York, N. Y. Carbon paper and ink ribbons. 570,521, Feb. 17; Serial No. 588,536, published Nov. 18, 1952. Class 11.
Union Oil Company of California, Los Angeles, Calif. Lubricating automobiles and other motor vehicles. 570,811, Feb. 17; Serial No. 535,275, published Oct. 28, 1952. Class 103.
Union Sand and Supply Corporation, The, Painesville, Ohio. Fuel oil. 570,535, Feb. 17; Serial No. 599,689, published Nov. 25, 1952. Class 15.
United Helicopters, Inc., Palo Alto, now by change of name Hiller Helicopters, San Mateo County, Calif. Mechanical cyclic pitch control mechanism for the pilot control of helicopters. 570,519, Feb. 17; Serial No. 583,781, published Nov. 11, 1952. Class 19.
United International Research, Inc., Long Island City, N. Y. Bleach, disinfectant and water purifier. 570,671, Feb. 17; Serial No. 623,923, published Nov. 4, 1952. Class 6.
United Packers, Inc., Chicago, Ill. Meats. 570,628, Feb. 17; Serial No. 619,727, published Nov. 25, 1952. Class 46.
United States Gypsum Company, Chicago, Ill. Basement sash. 570,502, Feb. 17; Serial No. 559,125, published Oct. 28, 1952. Class 12.
United States Plywood Corporation, assignee: See—
Marsh Wall Products, Inc.
Universal Refining Products Co., Inc., New York, N. Y. Chemical compound. 570,601, Feb. 17; Serial No. 617,636, published Oct. 28, 1952. Class 6.
Vamoos Products, Inc., Chicago, Ill. Non-toxic air deodorant. 570,509, Feb. 17; Serial No. 572,471, published Nov. 4, 1952. Class 6.
Varnay Laboratories, Inc., Yellow Springs, Ohio. Lubricant. 570,659, Feb. 17; Serial No. 622,471, published Nov. 11, 1952. Class 15.
Vickery's Ltd., London, England. Vortex-type separator. 570,501, Feb. 17; Serial No. 550,276, published Oct. 7, 1952. Class 23.
Victoria Products Corp., New York, N. Y. Griddle stone. 570,509, Feb. 17; Serial No. 607,105, published Nov. 25, 1952. Class 4.
Virginia-Carolina Chemical Corporation, Richmond, Va. Synthetic detergent. 570,606, Feb. 17; Serial No. 618,412, published Nov. 25, 1952. Class 52.
Viscoseal Corporation, The, Union, N. J. Mechanical seal for rotating shafts. 570,554, Feb. 17; Serial No. 605,771, published Nov. 25, 1952. Class 35.
Vital Aid Corporation of America, assignee: See—
State Signs.
Vogel, Benzon, doing business as Vogel Laboratories, Lake Mohogan, N. Y. Medicinal lotion. 570,708, Feb. 17; Serial No. 626,224, published Nov. 18, 1952. Class 18.
Vogel Laboratories: See—
Vogel, Benzon.
Wainpole, Henry K., Company, Incorporated, Philadelphia, Pa. Compound of meth-diamer sulfonamides with sodium citrate. 570,619, Feb. 17; Serial No. 618,995, published Sept. 2, 1952. Class 18.
Warner-Hudnut, Inc., New York, N. Y. Antispasmodics. 570,798, Feb. 17; Serial No. 629,736, published Nov. 11, 1952. Class 18.
Warren, Northam, Corporation, Stamford, Conn. Nail polish. 570,653, Feb. 17; Serial No. 621,794, published Nov. 25, 1952. Class 51.
Waterston, George & Sons, to George Waterston & Sons Limited, Edinburgh, Scotland. Sealing-wax. 39,607, re-renewed Dec. 30, 1952. O. G. Feb. 17. Class 5.
Waterston, George & Sons Limited: See—
Waterston, George & Sons.
Weather-Lox Products Co.: See—
Hughes, Chester T.
Webster Distilled Products Co.: See—
Sunset Incorporated.
Welnatock Importing Corp., New York, N. Y. Herring fillets. 570,678, Feb. 17; Serial No. 624,020, published Sept. 23, 1952. Class 46.
Welman Brothers Lingerie Corp., New York, N. Y. Robes and dressing gowns. 570,843, Feb. 17; Serial No. 614,595, Class 39.
West Disinfecting Company, Long Island City, N. Y. Spray fluid deodorant. 570,684, Feb. 17; Serial No. 625,142, published Nov. 4, 1952. Class 6.
West Disinfecting Company, Long Island City, N. Y. Liquid hand soap. 570,685, Feb. 17; Serial No. 625,143, published Nov. 4, 1952. Class 52.
West Disinfecting Company, Long Island City, N. Y. Spray fluid deodorant. 570,686, Feb. 17; Serial No. 625,144, published Nov. 4, 1952. Class 6.
West Disinfecting Company, Long Island City, N. Y. Spray fluid deodorant. 570,687, Feb. 17; Serial No. 625,145, published Oct. 28, 1952. Class 6.
West Disinfecting Company, Long Island City, N. Y. Liquid floor cleaner. 570,688, Feb. 17; Serial No. 625,146, published Oct. 28, 1952. Class 52.
West Disinfecting Company, Long Island City, N. Y. Deodorizing fluid. 570,689, Feb. 17; Serial No. 625,155, published Nov. 4, 1952. Class 6.
West Disinfecting Company, Long Island City, N. Y. Insecticide. 570,690, Feb. 17; Serial No. 625,163, published Nov. 4, 1952. Class 6.
West Disinfecting Company, Long Island City, N. Y. Deodorizing fluid, deodorant preparation. 570,691, Feb. 17; Serial No. 625,174, published Nov. 4, 1952. Class 6.
Western Pine Association, Portland, Oreg. Lumber, millwork, and lath. 570,834, Feb. 17; Serial No. 622,185, published Dec. 2, 1952. Class 12.
Westhelmer and Block, St. Louis, Mo. Entertainment services. 570,828, Feb. 17; Serial No. 619,047, published Nov. 25, 1952. Class 107.
Whale Oil Company Incorporated, Brooklyn, N. Y. Lubricating oil. 570,503, Feb. 17; Serial No. 616,308, published Nov. 25, 1952. Class 15.
Whitehall Pharmaceutical Company, New York, N. Y. Lipsticks and perfumes. 570,645, Feb. 17; Serial No. 621,293, published Nov. 18, 1952. Class 51.
Wickes Corporation, The, Saginaw, Mich. Pulverized foundry facing formula for use on cores and molds. 570,779, Feb. 17; Serial No. 628,380, published Nov. 25, 1952. Class 1.
Wigler, Albert L., doing business as Addison-Fractor Company, Newark, N. J. Preparation for the treatment of inflamed gums, toothache drops, antiseptic mouth wash, etc. 570,711, Feb. 17; Serial No. 626,719, published Dec. 2, 1952. Class 18.
Williams, E. L., doing business under the name Tuwll Chemical Company, Los Angeles, Calif. Combination cleaning and self-polishing waxing compound. 570,742, Feb. 17; Serial No. 612,970, published Nov. 18, 1952. Class 4.
Wolf, Fred, Detroit, Mich. Entertainment service. 570,827, Feb. 17; Serial No. 618,269, published Nov. 11, 1952. Class 107.
Wollard, Jacques, assignee: See—
Younghusband, James L.
Wood's, T. B., Sons Company, Chambersburg, Pa. Power transmission machinery. 570,584, Feb. 17; Serial No. 610,349, published Oct. 28, 1952. Class 23.
Wooster Brush Company, The, Wooster, Ohio. Paint and varnish brushes. 299,320, renewed Nov. 29, 1952. O. G. Feb. 17. Class 29.
Work Clothes & Sportswear Show, Inc., Yonkers, N. Y. Advertising the goods of others. 570,825, Feb. 17; Serial No. 611,054, published Nov. 25, 1952. Class 101.
Wright & McGill Co., Denver, Colo. Fish hooks. 570,527, Feb. 17; Serial No. 594,087, published Aug. 29, 1950. Class 22.
Wyner, I. A., & Co., Inc., New York, N. Y. Knitted fabrics in the piece. 570,810, Feb. 17; Serial No. 630,915, published Nov. 25, 1952. Class 42.
Wynne, Thomas T., New York, N. Y. Lubricating oil. 570,869, Feb. 17; Serial No. 623,628, published Nov. 25, 1952. Class 15.
Yardley & Company Limited, London, England. Lavender water, face powder, sachets, etc. 299,187, Nov. 22, 1932. Republished Feb. 17. Class 51.
Yates-American Machine Company, Beloit, Wis. Heat transfer products—namely, coolers and intercoolers. 570,555, Feb. 17; Serial No. 605,775, published Sept. 23, 1952. Class 31.
Younghusband, James L., Chicago, Ill., assignor to J. Wollard, New York, N. Y. Home hair wave sets. 570,707, Feb. 17; Serial No. 626,180, published Nov. 25, 1952. Class 44.
Zorn, August P., doing business as The Golden Treasure Coupon Co., Cincinnati, Ohio. Sales promotion coupons. 570,808, Feb. 17; Serial No. 630,694, published Nov. 25, 1952. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

- Baby chicks. Swift & Company. 570,730, Feb. 17; Serial No. 627,980, published Nov. 25, 1952.
Dry composition composed principally of expanded perlite. A. L. Armentrout. 570,627, Feb. 17; Serial No. 619,666, published Oct. 28, 1952.
Field-seeds. J. G. Peppard Seed Co. 90,374, Feb. 18, 1913. Republished Feb. 17.
Films and sheets derived from plastic compositions. Monsanto Chemical Company. 570,721, Feb. 17; Serial No. 627,368, published Nov. 25, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

- Finely ground cellulosic product. Archer-Daniels-Midland Company. 570,640, Feb. 17; Serial No. 621,385, published Oct. 28, 1952.
Natural, synthetic, and reclaimed rubbers. Socfa Company, Limited. 570,738-9, Feb. 17; Serial Nos. 632,752-3, published Nov. 25, 1952.
Plastic moldable tablets for use in the formation of electrolytes, etc. Tenak Products Company. 570,674, Feb. 17; Serial No. 625,997, published Oct. 28, 1952.
Plastic molding compositions in powdered and granular form. Cutler-Hammer, Inc. 570,547, Feb. 17; Serial No. 604,257, published Oct. 14, 1952.
Processed wood flour. American Colloid Company. 570,704, Feb. 17; Serial No. 626,134, published Oct. 28, 1952.
Pulverized foundry facing formula for use on cores and molds. The Wickes Corporation. 570,779, Feb. 17; Serial No. 628,380, published Nov. 25, 1952.
Raw fibrous textile materials. Courtauld, Limited. 570,650, Feb. 17; Serial No. 622,060, published Oct. 14, 1952.
Vegetable gum. General Mills, Inc. 570,724-5, Feb. 17; Serial Nos. 627,503-4, published Nov. 25, 1952.

CLASS 2

- Boxes, paper and fiber. J. D. Bowersock. 89,984, Jan. 28, 1913. Republished Feb. 17.
Bucket, insulated, portable metal. The Hamilton Metal Products Company. 570,592, Feb. 17; Serial No. 612,612, published Nov. 18, 1952.
Chamber pots. R. Altken. 570,515, Feb. 17; Serial No. 576,612, published Nov. 18, 1952.
Display and shipping cards. The Columbus Dental Manufacturing Co. 301,963, renewed Mar. 21, 1953. O. G. Feb. 17.
Merchandise envelopes and bags. Shellmar Products Corporation. 570,801, Feb. 17; Serial No. 630,038, published Nov. 25, 1952.
Paper diaphragms. Sutherland Paper Company. 570,795, Feb. 17; Serial No. 629,331, published Nov. 25, 1952.
Silverware chests, covered bags for silverware, storage hampers, etc. Miller and Rhoads, Incorporated. 570,660, Feb. 17; Serial No. 623,100, published Nov. 25, 1952.

CLASS 3

- Bags used in connection with defecating and dry bathing of pets. M. C. Orchard. 570,777, Feb. 17; Serial No. 628,289, published Nov. 18, 1952.
Handbags and shoulder bags, ladies' and misses'. Atlantic Handbags, Inc. 570,667, Feb. 17; Serial No. 623,121, published Nov. 18, 1952.
Handbags, ladies'. E. L. Swartz. 570,633, Feb. 17; Serial No. 620,475, published Nov. 18, 1952.

CLASS 4

- Cleaning and self-polishing waxing compound, combination. E. L. Williams. 570,742, Feb. 17; Serial No. 612,979, published Nov. 18, 1952.
Griddle stone. Victoria Products Corp. 570,560, Feb. 17; Serial No. 607,105, published Nov. 25, 1952.
Paint enamels, varnishes, lacquers, etc. Hickok Oil Corporation. 297,867, Oct. 4, 1932. Republished Feb. 17.
Polish, auto, and cleaner wax. American Stores Company. 570,567, Feb. 17; Serial No. 606,844, published Nov. 4, 1952.
Polish, furniture, woodwork, and leather. H. D. Curry. 570,544, Feb. 17; Serial No. 603,148, published Nov. 25, 1952.
Polishing and cleaning material. Goodenow-Morley Co. 570,539, Feb. 17; Serial No. 602,258, published Nov. 4, 1952.
Wax, paste and liquid, and liquid furniture polish. F. K. Perrow, Jr. 570,500, Feb. 17; Serial No. 544,757, published Nov. 25, 1952.

CLASS 5

- Adhesive cements. Karlson's Kilster Company. 570,534, Feb. 17; Serial No. 598,533, published Nov. 25, 1952.
Adhesive, thermo-plastic. National Starch Products Inc. 570,693, Feb. 17; Serial No. 625,537, published Nov. 25, 1952.
Gummed tape. Atlantic Gummed Paper Corporation. 570,601, Feb. 17; Serial No. 622,782, published Nov. 25, 1952.
Radiator cement, adhesive patches, tire cement, etc. Hickok Oil Corporation. 297,967, Oct. 4, 1932. Republished Feb. 17.
Sealing-wax. George Waterston & Sons. 39,607, re-renewed Dec. 30, 1952. O. G. Feb. 17.

CLASS 6

- Air deodorant, non-toxic. Vamoos Products, Inc. 570,509, Feb. 17; Serial No. 572,471, published Nov. 4, 1952.
Bleach, disinfectant and water purifier. United International Research, Inc. 570,671, Feb. 17; Serial No. 623,923, published Nov. 4, 1952.
Calcium carbide. National Carbide Corporation. 297,315, renewed Sept. 13, 1952. O. G. Feb. 17.
Chemical composition. Alrose Chemical Company. 570,552, Feb. 17; Serial No. 605,396, published Nov. 18, 1952.

CLASS 11

- Carbon black. Binney & Smith Company. 570,672, Feb. 17; Serial No. 623,944, published Nov. 18, 1952.
Carbon black. Godfrey L. Cabot, Inc. 570,675, Feb. 17; Serial No. 624,390, published Nov. 18, 1952.
Carbon paper and ink ribbons. Underwood Corporation. 570,521, Feb. 17; Serial No. 588,536, published Nov. 18, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Carbon paper container packs and the carbon paper therein. Columbia Ribbon & Carbon Manufacturing Company, Inc. 570,754, Feb. 17; Serial No. 614,051, published Nov. 18, 1952.
Carbon paper, typewriter ribbons, writing ink, etc. A. W. Faber-Castell Pencil Co., Inc. 570,705, Feb. 17; Serial No. 626,157, published Nov. 25, 1952.
Printing ribbons. Clary Multiplier Corporation. 570,657, Feb. 17; Serial No. 622,249, published Nov. 18, 1952.

CLASS 12

Asphalt weather strips. The Ruberoid Co. 570,640, Feb. 17; Serial No. 620,745, published Nov. 4, 1952.
Basement sash. United States Gypsum Company. 570,502, Feb. 17; Serial No. 559,125, published Oct. 28, 1952.

Cedar sidewall shakes. British Columbia Forest Products Limited. 570,714, Feb. 17; Serial No. 626,978, published Oct. 21, 1952.

Cement base paint. Portland. The Oambrills Company, Inc. 570,625, Feb. 17; Serial No. 593,343, published Nov. 4, 1952.

Cement, dry magnesite. F. E. Schundler & Co. Inc. 570,550, Feb. 17; Serial No. 605,233, published Oct. 21, 1952.

Combination storm sash and screen windows, and combination storm and screen doors, etc. O. S. Stollman. 570,508, Feb. 17; Serial No. 568,221, published Dec. 2, 1952.

Housing units, prefabricated sectional. B-D Homes Co. 570,594, Feb. 17; Serial No. 616,404, published Dec. 2, 1952.

Laminated wood. Nichols and Nichols. 570,516, Feb. 17; Serial No. 577,806, published Jan. 22, 1952.

Lighting standards and poles, street and highway. Pfaff & Kendall. 570,540, Feb. 17; Serial No. 602,285, published Oct. 28, 1952.

Lumber, millwork, and lath. Western Pine Association. 570,834, Feb. 17; Serial No. 622,185, published Dec. 2, 1952.

Metal clad sandwich core bonded panels. Goodyear Aircraft Corporation. 570,635, Feb. 17; Serial No. 620,598, published Oct. 14, 1952.

Mortar, pea gravel concrete, patching and topping concrete, etc. Bo Products Corporation. 570,847, Feb. 17; Serial No. 621,335, published Nov. 4, 1952.

Plaster or stucco. W. M. Ruffelt. 570,641, Feb. 17; Serial No. 620,829, published Oct. 14, 1952.

Plywood. The Davis Plywood Corporation. 570,522, Feb. 17; Serial No. 588,557, published July 1, 1952.

Roofing shingles. The Filakote Company. 570,710, Feb. 17; Serial No. 626,621, published Oct. 21, 1952.

Shingles and siding. Glove Roofing Products Co., Inc. 570,597, Feb. 17; Serial No. 617,385, published Oct. 14, 1952.

Tile, ceramic and plastic. Red-Dee Products Co. 570,571, Feb. 17; Serial No. 607,396, published Nov. 4, 1952.

Wall panels. Marsh Wall Products, Inc. 570,623, Feb. 17; Serial No. 619,397, published Oct. 14, 1952.

Wall patching material. Kirwin & Kowall. 570,660, Feb. 17; Serial No. 622,777, published Oct. 21, 1952.

Waterproofing materials. C. T. Hughes. 570,831, Feb. 17; Serial No. 620,002, published Nov. 18, 1952.

Weatherstripping, felt and metal. Sears, Roebuck and Co. 570,749, Feb. 17; Serial No. 614,101, published Nov. 4, 1952.

CLASS 14

Metal rail-anchors, antiscreeper, tie-plate, etc. The P. & M. Co. 59,292, re-renewed Dec. 3, 1952. O. G. Feb. 17.

CLASS 15

Lubricant. Vernay Laboratories, Inc. 570,659, Feb. 17; Serial No. 622,471, published Nov. 11, 1952.

Lubricants, lubricating oils and greases, etc. Dow Corning Corporation. 570,630, Feb. 17; Serial No. 619,809, published Nov. 25, 1952.

Oil, fuel. The Union Sand and Supply Corporation. 570,535, Feb. 17; Serial No. 609,669, published Nov. 25, 1952.

Oil, lubricating. Whale Oil Company Incorporated. 570,593, Feb. 17; Serial No. 616,308, published Nov. 25, 1952.

Oil, lubricating. T. T. Wyone. 570,669, Feb. 17; Serial No. 623,628, published Nov. 25, 1952.

Oil, lubricating, and cordage oil. Standard Oil Company, an Indiana corporation. 570,637, Feb. 17; Serial No. 620,697, published Nov. 25, 1952.

Oil, heating furnace fuel. May Oil Burner Corporation. 502,243-4, renewed Apr. 4, 1953. O. G. Feb. 17.

Oils, refined, semi-refined and unrefined. The Carter Oil Company. 570,760-1, Feb. 17; Serial No. 615,688-9, published Nov. 11, 1952.

CLASS 16

Carbon black dispersed in shellac used in pigmenting protective coatings. Blaney & Smith Company. 570,673, Feb. 17; Serial No. 623,945, published Nov. 18, 1952.

Paint, asphalt base aluminum; ready mixed asphalt base aluminum paint, gilsonite preservative paint; etc. Foster Lumber Company. 570,579, Feb. 17; Serial No. 609,237, published Nov. 25, 1952.

Paint enamels, varnishes, lacquers, etc. Hickok Oil Corporation. 297,867, Oct. 4, 1932. Republished Feb. 17.

Paint, interior wall. The H. B. Davis Company. 570,791, Feb. 17; Serial No. 629,233, published Nov. 25, 1952.

Paint, rubber base. Mauts Paint & Varnish Company. 570,847, Feb. 17; Serial No. 620,288.

Paints, prepared or ready-mixed liquid. Kurpees Paint Company. 570,852, Feb. 17; Serial No. 630,084.

Paints, ready-mixed, varnishes, and paint enamels. Oen-eral Paint & Varnish Co. 570,505, Feb. 17; Serial No. 564,005, published Nov. 25, 1952.

Varnish compound. A. C. Horn Company. 300,924, renewed Feb. 14, 1953. O. G. Feb. 17.

Wood stains. Chadeloid Corporation. 570,606-7, Feb. 17; Serial Nos. 625,965-6, published Nov. 25, 1952.

CLASS 17

Cigars. Charles Odence Company. 298,347, Oct. 25, 1932. Republished Feb. 17.

CLASS 18

Amphetamine-vitamin-mineral preparation. American Cyanamid Company. 570,722, Feb. 17; Serial No. 627,371, published Nov. 4, 1952.

Antacid powder. National Package Drugs, Inc. 570,740, Feb. 17; Serial No. 634,052, published Dec. 2, 1952.

Antispasmodics. Werner-Hudnut, Inc. 570,798, Feb. 17; Serial No. 629,756, published Nov. 11, 1952.

Aromatic bitters. Angostura Bitters (Dr. J. G. H. Siebert & Sons) Limited. 570,612, Feb. 17; Serial No. 618,722, published Nov. 25, 1952.

Catarrhal remedies. The Pineochem Manufacturing Company. 40,248, re-renewed May 5, 1953. O. G. Feb. 17.

Cholagogues and cholericics for the treatment of all diseases of the liver and bile ducts, a diuretic, etc. Ames Company, Inc. 570,632, Feb. 17; Serial No. 620,291, published Nov. 25, 1952.

Composition of glycoxyamine and a methylating agent. International Minerals & Chemical Corporation. 570,764, Feb. 17; Serial No. 616,102, published Nov. 18, 1952.

Compound of meth-dia-mer sulfonamides with sodium citrate. Henry K. Wampole & Company, Incorporated. 570,619, Feb. 17; Serial No. 618,995, published Sept. 2, 1952.

Cough pastilles, and cough mixture. The Brynn Manufacturing Company Limited. 570,574, Feb. 17; Serial No. 607,575, published Nov. 11, 1952.

Dentifrice containing penicillin. Polioria Company, Inc. 570,759, Feb. 17; Serial No. 615,571, published Nov. 11, 1952.

Dietary supplement. Mrs. D. Sealf. 570,508, Feb. 17; Serial No. 608,901, published Nov. 6, 1951.

Drug. Hopkins & Hopkins Pharmaceutical Co. 570,562, Feb. 17; Serial No. 606,706, published Aug. 14, 1951.

Drug of hypotrophic factors. The Mutual Pharmacal Corp. 570,509, Feb. 17; Serial No. 617,454, published Nov. 11, 1952.

Enteric bacteriostat. Abbott Laboratories. 570,771, Feb. 17; Serial No. 628,245, published Nov. 11, 1952.

Fat-soluble vitamin-containing glyceride oils. Nopco Chemical Company. 570,541-3, Feb. 17; Serial Nos. 602,622-4, published Nov. 18, 1952.

Laxative. T. S. Coleman. 570,727, Feb. 17; Serial No. 627,555, published Dec. 2, 1952.

Local anesthetic. Abbott Laboratories. 570,802, Feb. 17; Serial No. 630,108, published Nov. 11, 1952.

Medical preparation. Farbenfabriken Bayer. 570,775, Feb. 17; Serial No. 628,267, published Nov. 18, 1952.

Medical preparation. Physicians and Hospitals Supply Company, Inc. 570,683, Feb. 17; Serial No. 625,031, published Nov. 18, 1952.

Medical preparation. Physicians and Hospitals Supply Company, Inc. 570,787, Feb. 17; Serial No. 629,040, published Nov. 25, 1952.

Medicated skin cream. Noxema Chemical Company. 570,586, Feb. 17; Serial No. 610,757, published Nov. 11, 1952.

Medicated suspension. Abbott Laboratories. 570,750, Feb. 17; Serial No. 614,232, published Nov. 18, 1952.

Medicated throat lozenges. S. Pfeiffer Manufacturing Company. 570,561, Feb. 17; Serial No. 606,678, published Nov. 11, 1952.

Medicinal lotion. B. Vogel. 570,708, Feb. 17; Serial No. 626,224, published Nov. 18, 1952.

Medicinal preparation. Chicott Laboratories, Inc. 570,726, Feb. 17; Serial No. 627,554, published Nov. 11, 1952.

Medicinal vitamin tonic. State Signs. 570,603, Feb. 17; Serial No. 618,059, published Dec. 2, 1952.

Methamphetamine. O'Connell Brothers, Inc. 570,373, Feb. 17; Serial No. 607,510, published Nov. 25, 1952.

Mineralized food supplement. Kidman's Standard Stock Powder Co. 570,545, Feb. 17; Serial No. 603,196, published Nov. 11, 1952.

Multi-vitamin and multi-mineral preparation. R. I. Guy. 570,520, Feb. 17; Serial No. 585,795, published Nov. 11, 1952.

Ointment. H. Michelson. 570,703, Feb. 17; Serial No. 626,106, published Dec. 2, 1952.

Pharmaceutical preparation. B. G. Easton. 570,762, Feb. 17; Serial No. 615,975, published Nov. 11, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Pharmaceutical preparation. Reed & Carnrick. 570,792-3, Feb. 17; Serial Nos. 629,320-1, published Nov. 25, 1952.

Preparation containing vitamins, choline, inositol, etc. Makers of Kal, Inc. 570,785, Feb. 17; Serial No. 628,044, published Nov. 11, 1952.

Preparation for the treatment of inflamed gums, toothache drops, antiseptic mouth wash, etc. A. I. Wiegler. 570,711, Feb. 17; Serial No. 626,719, published Dec. 2, 1952.

Preparation for the treatment of skin irritations. Stefua, Inc. 570,681, Feb. 17; Serial No. 624,849, published Nov. 11, 1952.

Tablets for appeasing hunger, etc. Makers of Kal, Inc. 570,613, Feb. 17; Serial No. 618,749, published Dec. 2, 1952.

Teething lotion. The Infadent Corporation. 570,618, Feb. 17; Serial No. 618,930, published Nov. 11, 1952.

Therapeutic oral solution. W. M. Lawrie. 570,744, Feb. 17; Serial No. 613,466, published Nov. 18, 1952.

Vitamin and mineral product. National Health Aids of Baltimore, Inc. 570,729, Feb. 17; Serial No. 627,828, published Dec. 2, 1952.

Vitamin B₁₂. E. S. Miller Laboratories, Inc. 570,528, Feb. 17; Serial No. 594,274, published Oct. 9, 1951.

Vitamin-mineral perle. The S. E. Massengill Company. 570,609, Feb. 17; Serial No. 618,644, published Dec. 2, 1952.

CLASS 19

Airplanes and helicopters; landing gears for aircraft, etc. Société Anonyme dite: Messier. 570,538, Feb. 17; Serial No. 602,226, published Sept. 23, 1952.

Anti-vibration and shock absorbing mountings for vehicles, etc. Metallastik Limited. 570,378, Feb. 17; Serial No. 608,320, published Nov. 11, 1952.

Automobile seat covers. G. J. Stelne. 570,677, Feb. 17; Serial No. 624,613, published Nov. 11, 1952.

Automobile shock absorbers. Monroe Auto Equipment Company. 570,654-5, Feb. 17; Serial Nos. 622,058-9, published Nov. 4, 1952.

Bicycle wheel rims. Arnold, Schwinn & Co. 570,518, Feb. 17; Serial No. 581,699, published Nov. 11, 1952.

Bicycles. Arnold, Schwinn & Co. 570,747, Feb. 17; Serial No. 613,862, published Nov. 4, 1952.

Bicycles. Monark Silver King, Inc. 570,643, Feb. 17; Serial No. 621,220, published Nov. 4, 1952.

Boats. H. A. Thurmond. 570,648, Feb. 17; Serial No. 621,382, published Nov. 11, 1952.

Cars and school buses, motor driven funeral and invalid. Superior Coach Corporation. 570,523-4, Feb. 17; Serial Nos. 588,975-6, published Nov. 11, 1952.

Land, air, and water craft, automobiles, cycles, etc. Wilhelm Baier K. G. Metallwarenfabrik. 570,642, Feb. 17; Serial No. 620,866, published Nov. 11, 1952.

Mechanical cyclic pitch control mechanism for the pilot control of helicopters. United Helicopters, Inc. 570,519, Feb. 17; Serial No. 583,781, published Nov. 11, 1952.

CLASS 21

Batteries, cables for electric circuits, and parts thereof. Hickok Oil Corporation. 298,015, Oct. 11, 1932. Republished Feb. 17, 1953.

Cables. National Electric Products Corporation. 570,745, Feb. 17; Serial No. 613,727, published Oct. 28, 1952.

Generators, motors, domestic lighting plants and magnetos. Fairbanks, Morse & Co. 300,649, renewed Jan. 31, 1953. O. G. Feb. 17.

Radio receiving sets and parts thereof. Garod Radio Corporation. 317,279, Sept. 18, 1934. Republished Feb. 17.

Storage batteries. Thomas A. Edison, Incorporated. 301,881, renewed Mar. 21, 1953. O. G. Feb. 17.

CLASS 22

Amusement device, coin-controlled, mechanical horse. Bally Manufacturing Company. 570,778, Feb. 17; Serial No. 628,342, published Nov. 18, 1952.

Bait hooks, soft. R. W. Delmler. 570,849, Feb. 17; Serial No. 622,145.

Dolls. Imperial Crown Toy Corp. 570,780, Feb. 17; Serial No. 628,404, published Nov. 18, 1952.

Fish hooks. Wright & McGill Co. 570,527, Feb. 17; Serial No. 594,087, published Aug. 29, 1950.

CLASS 23

Apparatus and machines used in the heavy paper industry. Samuel M. Langston Co. 570,658, Feb. 17; Serial No. 622,392, published Nov. 11, 1952.

Base metal table cutlery. National Silver Company. 570,781, Feb. 17; Serial No. 628,422, published Nov. 18, 1952.

Cloth stripping machine. H. A. Burdwood. 570,604, Feb. 17; Serial No. 618,203, published Aug. 19, 1952.

Concrete mixers. Easick Manufacturing Company. 570,835, Feb. 17; Serial No. 489,726.

Conveyers, wheel, chutes, roller conveyers, etc. Mathews Conveyor Company. 570,676, Feb. 17; Serial No. 607,710, published Oct. 28, 1952.

Conveyor systems and parts. H. G. Schroeder. 570,636, Feb. 17; Serial No. 620,692, published Sept. 23, 1952.

Copper printing rollers. Thomas Bolton & Sons Limited. 570,664, Feb. 17; Serial No. 622,921, published Oct. 21, 1952.

Derrieks hoists, material elevators, sheaves, etc. American Hoist & Derrick Co. 570,504, Feb. 17; Serial No. 563,710, published May 9, 1950.

Drill chucks, knurling tools, tap holders, etc. Barnaby Manufacturing and Tool Company. 570,496, Feb. 17; Serial No. 496,122, published Sept. 2, 1952.

Drilling, reaming, and tapping machines, slotting-machines, etc. The National Automatic Tool Company. 89,486, re-renewed Dec. 17, 1952. O. G. Feb. 17.

Duplicating machines. Addressograph-Multigraph Corporation. 570,712, Feb. 17; Serial No. 626,848, published Oct. 21, 1952.

Folding machines. A. B. Dick Company. 570,752, Feb. 17; Serial No. 614,541, published Sept. 9, 1952.

Hide and leather working machines. Chas. H. Stehling Company. 570,663, Feb. 17; Serial No. 622,854, published Sept. 23, 1952.

Internal combustion engines and parts thereof. J. Sayd-lowski. 570,715-17, Feb. 17; Serial Nos. 627,097-9, published Oct. 28, 1952.

Internal combustion engines, pumps, pumping plants, etc. Fairbanks, Morse & Co. 300,399, renewed Jan. 17, 1953. O. G. Feb. 17.

Lawn mowers, gasoline powered rotary. Savage Arms Corporation. 570,600, Feb. 17; Serial No. 617,514, published Nov. 11, 1952.

Looms and weaving machinery. Crompton & Knowles Loom Works. 570,698, Feb. 17; Serial No. 625,972, published Nov. 11, 1952.

Machines for producing metal forgings. Omes Limited. 570,783, Feb. 17; Serial No. 616,048, published Sept. 9, 1952.

Mechanical dye kettle. Rodney Hunt Machine Company. 296,812, renewed Aug. 23, 1952. O. G. Feb. 17.

Motor exhaust and intake valves. Republic Hard Facing Corporation. 570,608, Feb. 17; Serial No. 618,509, published Nov. 11, 1952.

Nut and lobster cracker. Mouli Manufacturing Corporation. 570,572, Feb. 17; Serial No. 607,442, published Nov. 11, 1952.

Office machines. Adrex. 570,517, Feb. 17; Serial No. 581,035, published July 22, 1952.

Packaging machine. J. L. Ferguson Company. 570,497, Feb. 17; Serial No. 527,496, published Nov. 11, 1952.

Packaging machines. Stokes and Smith Company. 570,512-13, Feb. 17; Serial Nos. 575,677-8, published Sept. 2, 1952.

Power transmission machinery. T. B. Wood's Sons Company. 570,584, Feb. 17; Serial No. 610,349, published Oct. 28, 1952.

Pumps. Byron Jackson Co. 570,537, Feb. 17; Serial No. 600,379, published Oct. 28, 1952.

Razor blades. F. Kasekert. 300,400, renewed Jan. 17, 1953. O. G. Feb. 17.

Scissors and shears. The Acme Shear Company. 570,605, Feb. 17; Serial No. 618,384, published Oct. 28, 1952.

Screw drivers. Duro Metal Products Company. 298,973, renewed Nov. 15, 1952. O. G. Feb. 17.

Sewing machines. Morse Sewing Machine and Supply Corp. 570,699, Feb. 17; Serial No. 625,992, published Oct. 14, 1952.

Sewing machines and parts thereof. Electric. Great Eastern Equipment Corp. 570,713, Feb. 17; Serial No. 626,876, published Oct. 21, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Rings, Finger. J. Herland. 570,723, Feb. 17; Serial No. 627,423, published Oct. 21, 1952.
Rings, Finger. M. Kronstadt. 293,035, Apr. 5, 1932. Republished Feb. 17.
Rings, Finger. M. Kronstadt. 293,037, Apr. 5, 1932. Republished Feb. 17.
Rings, Finger. M. Kronstadt. 293,038, Apr. 5, 1932. Republished Feb. 17.
Sterling silver flatware and hollowware. Onelda Ltd. 570,728, Feb. 17; Serial No. 627,641, published Oct. 21, 1952.
Sterling silver salt and pepper shakers. Quaker Silver Co., Inc. 570,700, Feb. 17; Serial No. 626,047, published Oct. 21, 1952.

CLASS 29

Brushes, Paint. Hanlon & Goodman Co. 570,840, Feb. 17; Serial No. 604,531.
Brushes, Paint and varnish. The Wooster Brush Company. 299,320, renewed Nov. 29, 1952. O. G. Feb. 17.
Wiping cloths. S. Rosen. 570,551, Feb. 17; Serial No. 605,328, published Nov. 25, 1952.

CLASS 30

Ceramic products. N. V. Koninklijke Delftse Aardewerk-fabriek "De Porceleynse Fles" Voorheen Joost Thooft en Labouchere (N. V. Faience de Delft "De Porceleynse Fles," c/d-vant Joost Thooft et Labouchere, N. V. Royal Delft Ware Manufacturing "De Porceleynse Fles," late Joost Thooft and Labouchere, Koninklijke Delfter Faience Fabriek "De Porceleynse Fles," Vormaals Joost Thooft und Labouchere). 570,503, Feb. 17; Serial No. 592,384, published Oct. 28, 1952.

CLASS 31

Bags of woven filter cloth. The National Filter Media Corporation. 570,620, Feb. 17; Serial No. 619,029, published Oct. 28, 1952.
Cooling and dispensing system. Beer. Gem Refrigerator Company, Incorporated. 570,743, Feb. 17; Serial No. 613,404, published Nov. 11, 1952.
Cooling towers and parts thereof. Liquid. The Marley Company, Inc. 570,790, Feb. 17; Serial No. 629,211, published Nov. 4, 1952.
Cooling towers and parts thereof. Liquid. The Marley Company, Inc. 570,806, Feb. 17; Serial No. 630,277, published Nov. 18, 1952.
Filter disks, rolls, and strips. Johnson & Johnson. 570,577, Feb. 17; Serial No. 607,958, published Nov. 4, 1952.
Filters. C. A. Norgren Co. 570,598, Feb. 17; Serial No. 617,049, published Oct. 28, 1952.
Filters. Liquid fuel. Carter Carburetor Corporation. 570,615, Feb. 17; Serial No. 618,883, published Sept. 16, 1952.
Heat transfer products—namely coolers and intercoolers. Yates-American Machine Company. 570,555, Feb. 17; Serial No. 605,775, published Sept. 23, 1952.
Ice-making machines. Liquid Freeze Corporation. 570,550, Feb. 17; Serial No. 600,306, published Sept. 16, 1952.
Ice molds. Rubber. H. Moll. 570,510, Feb. 17; Serial No. 574,235, published Oct. 28, 1952.
Refrigeration condensers, water chillers and evaporative condensers. Armo Industries, Inc. 570,621, Feb. 17; Serial No. 619,276, published Nov. 11, 1952.
Refrigerator storage drawers. Electric. Sears, Roebuck and Co. 570,794, Feb. 17; Serial No. 620,327, published Nov. 18, 1952.
Refrigerators. McCray Refrigerator Company. 570,548, Feb. 17; Serial No. 604,484, published Sept. 16, 1952.
Refrigerators. Electrically operated reach-in, refrigerating units, etc. Borg-Warner Corporation. 570,595, Feb. 17; Serial No. 616,622, published Nov. 11, 1952.
Refrigerators. Household. Aktiebolaget Elektrolux. 570,610, Feb. 17; Serial No. 618,668, published Nov. 11, 1952.
Refrigerators. Household, home freezers, frozen food display cabinets, etc. Refrigerative Supply, Inc. 570,582, Feb. 17; Serial No. 610,029, published Sept. 9, 1952.
Water conditioners. Ion-exchange. Pacific Engineering Products Co., Inc. 570,553, Feb. 17; Serial No. 605,480, published Nov. 4, 1952.
Water softeners. The Duro Co. 570,550, Feb. 17; Serial No. 605,785, published Sept. 23, 1952.

CLASS 33

Brake-linings. F. R. Higga. 302,016, renewed Mar. 21, 1953. O. G. Feb. 17.
Resilient seal for foundry core boxes and sand charging apparatus. Eastern Clay Products, Inc. 570,589, Feb. 17; Serial No. 611,603, published Nov. 25, 1952.
Seal for rotating shafts. Mechanical. The Viscoseal Corporation. 570,554, Feb. 17; Serial No. 605,771, published Nov. 25, 1952.

CLASS 36

Portable electric control board attachment to the key-boards of pianos, organs, etc. Central Commercial Company. 570,836, Feb. 17; Serial No. 570,835.
Wood wind and metal wind instruments. Wm. R. Grata Co., Inc. 570,839, Feb. 17; Serial No. 593,487.

CLASS 37

Antographic registers and paper fillers therefor. The Egly Register Company. 302,374, renewed Apr. 18, 1953. O. G. Feb. 17.
Paper napkins. Fort Howard Paper Company. 301,314, renewed Feb. 28, 1953. O. G. Feb. 17.
Paper, Toilet. Hoberg Paper & Fibre Company. 298,878, renewed Nov. 8, 1952. O. G. Feb. 17.
Paper, Toilet, paper napkins, paper towels, and paper tablecloths. Fort Howard Paper Company. 180,873, Mar. 11, 1924. Amended. O. G. Feb. 17.
Paper, Toilet, paper towels, and paper napkins. Hoberg Paper & Fibre Company. 298,876, renewed Nov. 8, 1952. O. G. Feb. 17.
Paper, Toilet, paper towels, and paper napkins. Hoberg Paper & Fibre Company. 298,877, renewed Nov. 8, 1952. O. G. Feb. 17.
Paper, Toilet, paper towels, paper napkins, etc. Fort Howard Paper Company. 301,007, renewed Feb. 14, 1953. O. G. Feb. 17.
Paper, Toilet, paper towels, paper napkins, and colored crepe paper. Fort Howard Paper Company. 313,767, June 5, 1934. Amended. O. G. Feb. 17.
Pens, Writing. The Esterbrook Steel Pen Manufacturing Company. 300,407, renewed Jan. 17, 1953. O. G. Feb. 17.
Stencils and stencil sheets. A. B. Dick Company. 298,498, Oct. 25, 1932. Republished Feb. 17.

CLASS 38

Coupons, Sales promotion. A. P. Zorn. 570,808, Feb. 17; Serial No. 630,694, published Nov. 25, 1952.
Feature articles. The Reader's Digest Association, Inc. 570,788, Feb. 17; Serial No. 629,054, published Nov. 25, 1952.
Feature articles. The Reader's Digest Association, Inc. 570,789, Feb. 17; Serial No. 629,056, published Nov. 25, 1952.
Magazine. Archie Comic Publications, Inc. 570,560, Feb. 17; Serial No. 600,450, published Nov. 25, 1952.
Magazine. Ski News and Ski Illustrated. 570,507, Feb. 17; Serial No. 566,728, published Nov. 25, 1952.
Magazine, Monthly. Haire Publishing Company. 570,848, Feb. 17; Serial No. 620,672.
Magazine, Monthly. Sharp & Dohme, Incorporated. 570,704, Feb. 17; Serial No. 626,178, published Nov. 25, 1952.
Magazine, Weekly. Jay Emanuel Publications, Inc. 570,280, Aug. 22, 1939. Republished Feb. 17.
Newspaper. Periodically published. Amateur Softball Association of America. 570,786, Feb. 17; Serial No. 628,986, published Nov. 25, 1952.
Newspapers. The Kansas City Star Company. 570,692, Feb. 17; Serial No. 625,533, published Nov. 25, 1952.
Periodical. Monthly. American Institute of Electrical Engineers. 570,694, Feb. 17; Serial No. 625,876, published Nov. 25, 1952.
Periodical. Religious. Lamar & Whitmore, Book Agents, Publishing House. M. E. Church, South. 299,724, renewed Dec. 20, 1952. O. G. Feb. 17.
Printed index sheets. Richard Lechner Enterprises, Inc. 570,792, Feb. 17; Serial No. 626,088, published Nov. 25, 1952.
Publications, Periodical. Avon Periodicals, Inc. 570,605, Feb. 17; Serial No. 622,980, published Nov. 25, 1952.
Series of cartoon strips. King Features Syndicate, Inc. 302,694, renewed Apr. 25, 1953. O. G. Feb. 17.
Written material and pictures. R. M. Perkins. 570,614, Feb. 17; Serial No. 618,812, published Nov. 25, 1952.

CLASS 39

Apparel, Washable service. Doctors and Nurses Out-fitting Company, Incorporated. 570,506, Feb. 17; Serial No. 565,121, published Nov. 18, 1952.
Apparel, Women's. Seamprufe Incorporated. 570,806, Feb. 17; Serial No. 630,452, published Nov. 18, 1952.
Blouses, Women's and misses'. Alper Blouse Co., Inc. 570,638, Feb. 17; Serial No. 620,712, published Nov. 18, 1952.
Boots, shoes, slippers, etc. The Sherman Bros. Mfg. Co. 324,149, May 14, 1935. Republished Feb. 17.
Clothing, Men's outer. F. L. Dunne. 25,564, Dec. 4, 1894. New certificate. O. G. Feb. 17.
Clothing, Women's and children's. W. G. Scharff. 570,670, Feb. 17; Serial No. 624,662, published Nov. 18, 1952.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 297,765, Sept. 27, 1932. Republished Feb. 17.
Dresses, coats and suits, etc. Ladies' and Misses'. Samuel Chapman, Inc. 570,718, Feb. 17; Serial No. 627,171, published Nov. 25, 1952.
Dresses, skirts, suits, blouses, etc. Ladies'. David Crystal, Inc. 570,650, Feb. 17; Serial No. 621,545, published Nov. 25, 1952.
Foundation garments, Ladies'. Steinberg Bros. 570,807, Feb. 17; Serial No. 630,521, published Nov. 18, 1952.
Garments. Stone Manufacturing Co., Inc. 570,531, Feb. 17; Serial No. 595,920, published Nov. 18, 1952.
Gloves. Utility. Edmont Manufacturing Company. 570,800, Feb. 17; Serial No. 629,801, published Nov. 18, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 46

Half hose and socklets. Men's. Harries & Covington Hosiery Mills. 570,731, Feb. 17; Serial No. 628,483, published Nov. 25, 1952.
Hats, jeans, handkerchiefs and scarves. Women's and girls'. Annie Oakley Enterprises. 570,590, Feb. 17; Serial No. 611,910, published Apr. 29, 1952.
Hosiery. Gotham Silk Mfg. Co. 90,324, re-renewed Feb. 18, 1953. O. G. Feb. 17.
Hosiery. Julius Kayser & Co. 299,785, Dec. 20, 1932. Republished Feb. 17.
Overcoats, topcoats, and sweaters, etc. Men's and ladies'. B. Altmann. 570,785, Feb. 17; Serial No. 628,982, published Nov. 18, 1952.
Robes and dressing gowns. Weisman Brothers Lingerie Corp. 570,843, Feb. 17; Serial No. 614,595.
Shoes and slippers. The Juveniles Shoe Corporation of America. 302,751, renewed Apr. 25, 1953. O. G. Feb. 17.
Slips, Ladies' and children's. I. Schnelerson & Sons, Inc. 570,748, Feb. 17; Serial No. 614,013, published Nov. 18, 1952.
Suits and overcoats, Men's, men's underwear shorts, etc. National Bellas Hess, Inc. 570,790, Feb. 17; Serial No. 629,440, published Nov. 18, 1952.
Undergarments, Women's and misses'. I. B. Kleinhert Rubber Company. 570,587, Feb. 17; Serial No. 611,058, published Nov. 18, 1952.

CLASS 40

Combs, Hard rubber. American Hard Rubber Company. 302,753, renewed Apr. 25, 1953. O. G. Feb. 17.

CLASS 42

Cotton carpeting. E. T. Barwick. 570,809, Feb. 17; Serial No. 630,824, published Nov. 25, 1952.
Fabrics in the piece, Knitted. I. A. Wyner & Co., Inc. 570,810, Feb. 17; Serial No. 630,915, published Nov. 25, 1952.
Fabrics in the piece, Lining. Exclusive Linings, Inc. 570,735, Feb. 17; Serial No. 631,858, published Nov. 25, 1952.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 570,733-4, Feb. 17; Serial Nos. 631,414-15, published Nov. 25, 1952.
Fabrics in the piece, Textile. Tanbro Fabrics Corp. 570,583, Feb. 17; Serial No. 610,240, published Nov. 25, 1952.
Fabrics, Knitted textile. Native Laces & Textiles, Incorporated. 570,736, Feb. 17; Serial No. 631,750, published Nov. 25, 1952.
Fabrics, Knitted textile. Native Laces & Textiles, Incorporated. 570,737, Feb. 17; Serial No. 631,752, published Nov. 25, 1952.
Net ribbon. French Textile Company. 570,803, Feb. 17; Serial No. 630,190, published Nov. 25, 1952.
Piece goods, Cotton. William L. Barrell Company. 302,331, renewed Apr. 11, 1953. O. G. Feb. 17.
Piece goods, Woolen. A. D. Juillard & Co., Inc. 570,845, Feb. 17; Serial No. 610,491.
Rugs, Cotton broadloom. Butler Brothers. 570,842, Feb. 17; Serial No. 614,070.
Table cloths, napkins and furniture scarves. Leacock & Co., Inc. 570,732, Feb. 17; Serial No. 631,107, published Nov. 25, 1952.

CLASS 43

Yarn, Nylon. Marionette Mills, Inc. 570,682, Feb. 17; Serial No. 625,018, published Nov. 18, 1952.
Yarns, Wool and cotton, hosiery and thread. Federated Department Stores, Inc. 570,709, Feb. 17; Serial No. 626,618, published Nov. 18, 1952.

CLASS 44

Dentures. Austenal Laboratories, Inc. 300,852, Feb. 14, 1933. Corrected. O. G. Feb. 17.
Home hair wave sets. J. L. Younghusband. 570,707, Feb. 17; Serial No. 626,186, published Nov. 25, 1952.
Hypodermic rustless needles for medical and dental use. Chrome nickel steel. Socorex Societe Anonyme. 570,701, Feb. 17; Serial No. 626,058, published Nov. 25, 1952.
Syringes and needles. Chas. Pfizer & Co., Inc. 570,719, Feb. 17; Serial No. 627,350, published Nov. 25, 1952.
Syringes and needles. Chas. Pfizer & Co., Inc. 570,720, Feb. 17; Serial No. 627,352, published Nov. 25, 1952.
Tooth backing. The Columbus Dental Manufacturing Co. 302,843, renewed May 2, 1953. O. G. Feb. 17.

CLASS 45

Beverages, Carbonated nonalcoholic, noncereal, maltless. Nu Grape Bottling Co., Inc. 257,805, June 18, 1929. New certificate. O. G. Feb. 17.
Powders used in the preparation of non-alcoholic maltless cola-flavored soft drinks. C. M. Richter. 570,841, Feb. 17; Serial No. 606,326.
Soft drinks, Non-alcoholic maltless. V. Pappas. 570,844, Feb. 17; Serial No. 616,187.
Syrups, extracts, and concentrates for making non-alcoholic maltless soft drinks. Chocolate Products Company. 570,851, Feb. 17; Serial No. 623,452.

Candy. Hawley & Hoopa. 371,448, Sept. 26, 1939. New certificate. O. G. Feb. 17.
Candy pieces, Chocolate. Rockwood & Co. 570,741, Feb. 17; Serial No. 634,918, published Nov. 25, 1952.
Canned tomato juice. Campbell Soup Company. 299,405, renewed Dec. 6, 1952. O. G. Feb. 17.
Canned tomato paste. Buffalo Frosted Foods, Inc. 570,533, Feb. 17; Serial No. 597,999, published Mar. 13, 1951.
Canned vegetables. A. Hrynkiwicz. 301,160, Feb. 21, 1933. Republished Feb. 17.
Cherries, Fresh. Santa Clara Valley Fruit Exchange. 297,703, renewed Sept. 27, 1952. O. G. Feb. 17.
Coffee, tea, and sugar. Danny's Hide-A-Way, Inc. 570,529, Feb. 17; Serial No. 594,763, published Nov. 18, 1952.
Confectionery. James Pascall, Limited. 39,304, Nov. 18, 1902. Republished Feb. 17.
Dairy foods, Certain. Steffen Dairy Foods Company, Inc. 570,570, Feb. 17; Serial No. 607,202, published Nov. 25, 1952.
Dairy products. Knudsen Creamery Co. of California. 570,588, Feb. 17; Serial No. 611,439, published Oct. 7, 1952.
Ducks, Live and dressed. Carman River Duck Farm. 298,990, renewed Nov. 15, 1952. O. G. Feb. 17.
Feed, Stock. Alfocorn Milling Company. 135,866, Oct. 26, 1920. Republished Feb. 17.
Feeds. Alfocorn Milling Company. 195,874, Mar. 3, 1925. Republished Feb. 17.
Flour. Russell-Miller Milling Company. 91,380, re-renewed Apr. 29, 1953. O. G. Feb. 17.
Foods. Schmolka's Packing Co. 570,526, Feb. 17; Serial No. 593,602, published Nov. 25, 1952.
Frozen confections. The Popicle Corporation of the United States. 301,335, renewed Feb. 28, 1933. O. G. Feb. 17.
Grapes, Fresh. Arrow Packing Company. 298,930, renewed Nov. 15, 1952. O. G. Feb. 17.
Gum drops. Bubbles, Inc. 570,498, Feb. 17; Serial No. 531,092, published Nov. 11, 1952.
Herring fillets. Weinstock Importing Corp. 570,678, Feb. 17; Serial No. 624,620, published Sept. 23, 1952.
Ice-cream, ice-cream sandwiches. Krispy Kake Kone Company. 570,695, Feb. 17; Serial No. 625,910, published Nov. 11, 1952.
Ice cream powders, spices and thickeners, binders, etc. The Preservalline Manufacturing Co. 91,372, re-renewed Apr. 29, 1953. O. G. Feb. 17.
Ingredient mixture used in preparing waffles, etc., Packaged. The Butereg Company. 570,804, Feb. 17; Serial No. 630,259, published Nov. 11, 1952.
Meats. United Packers, Inc. 570,628, Feb. 17; Serial No. 619,727, published Nov. 25, 1952.
Potatoes, Raw. Klamath Potato Growers Association. 570,854, Feb. 17; Serial No. 596,497.
Sauce and pickles. The Midland Vinegar Company Limited. 90,229, re-renewed Feb. 11, 1953. O. G. Feb. 17.
Sodium glutamate used for food seasoning purposes. Chinese Trading Company. 570,499, Feb. 17; Serial No. 543,683, published July 3, 1951.
Sugar, Special brand. The American Molasses Co. of New York. 298,796, Nov. 8, 1932. Republished Feb. 17.
Syrups and fruit juices. John Molihern Co. 301,903, renewed Mar. 21, 1953. O. G. Feb. 17.
Tomato juice and canned tomatoes. Buffalo Frosted Foods, Inc. 570,753, Feb. 17; Serial No. 614,614, published Nov. 13, 1951.

CLASS 47

Wines, Table. A. Brocia. 570,838, Feb. 17; Serial No. 589,433.

CLASS 48

Ale, Pale, and beer. Bass, Ratcliff & Gorton, Limited. 88,266, Sept. 10, 1912. Republished Feb. 17.
Beer. A. Gettelman Brewing Company. 570,837, Feb. 17; Serial No. 584,184.
Beer. The Standard Brewing Company. 570,846, Feb. 17; Serial No. 619,773.

CLASS 49

Whiskey, Bourbon. Sunset Incorporated. 570,850, Feb. 17; Serial No. 622,419.
Whisky. Gooderham & Worts, Ltd. 300,863, renewed Feb. 14, 1953. O. G. Feb. 17.

CLASS 50

Lithographing-stones. L. Bechtold. 89,086, re-renewed Nov. 12, 1952. O. G. Feb. 17.
Products, equipment and material, as a complete kit and employed in a process of applying contrasting colors to type setting matrices, etc. G. S. Tenderich. 570,581, Feb. 17; Serial No. 609,987, published Sept. 23, 1952.

CLASS 51

After shave freshener. The Odell Company, Inc. 570,644, Feb. 17; Serial No. 621,224, published Nov. 4, 1952.
Astringents, astringent cerates, bleaching creams, etc. Paris Laboratories, Inc. 302,899, renewed May 2, 1953. O. G. Feb. 17.
Cologne, perfume, face powder, etc. G. E. Samar. 570,757, Feb. 17; Serial No. 615,137, published Nov. 4, 1952.

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Face and skin creams. Hine Ambrosia, Inc. 302,836, renewed May 2, 1953. O. G. Feb. 17.
Foot cream. R. O. Barndt. 570,626, Feb. 17; Serial No. 619,561, published Nov. 25, 1952.
Hairdressing and hair and scalp lotion. A. W. Palmer, Jr. 570,549, Feb. 17; Serial No. 604,879, published Nov. 4, 1952.
Hair rinse. Rapidol Distributing Corporation. 570,558, Feb. 17; Serial No. 606,050, published Oct. 28, 1952.
Lavender water, face powder, sachets, etc. Yardley & Company Limited. 299,187, Nov. 22, 1932. Republished Feb. 17.
Lipsticks and perfumes. Whitehall Pharmacal Company. 570,645, Feb. 17; Serial No. 621,293, published Nov. 18, 1952.
Nail polish. Northam Warren Corporation. 570,853, Feb. 17; Serial No. 621,794, published Nov. 25, 1952.
Perfume. Societe a Responsabilite Limitee Dite: Marquay. 570,634, Feb. 17; Serial No. 620,332, published Nov. 4, 1952.
Perfume concentrate, perfume, toilet water, etc. J. B. Gosch. 570,751, Feb. 17; Serial No. 614,249, published Nov. 4, 1952.
Perfumes. R. Piguet. 570,557, Feb. 17; Serial No. 605,871, published Nov. 11, 1952.
Perfumes, and toilet preparations. Guerlain, Inc. 570,662, Feb. 17; Serial No. 622,823, published Oct. 14, 1952.
Personal deodorant. Carter Products, Inc. 570,639, Feb. 17; Serial No. 620,721, published Nov. 25, 1952.
Underarm deodorant. Bridgport Brass Company. 570,758, Feb. 17; Serial No. 615,534, published Nov. 4, 1952.

CLASS 52

Cleaner, Jewelry. M. J. Shyer. 570,575, Feb. 17; Serial No. 607,609, published Nov. 25, 1952.
Cleaner, Liquid floor. West Disinfecting Company. 570,688, Feb. 17; Serial No. 625,152, published Nov. 25, 1952.
Cleaners. The Haloid Company. 570,802, Feb. 17; Serial No. 617,793, published Nov. 18, 1952.
Cleaning preparation. The Theobald Industries. 570,566, Feb. 17; Serial No. 606,827, published Nov. 18, 1952.
Cleaner, General household and industrial. The Theobald Industries. 570,563, Feb. 17; Serial No. 606,819, published Nov. 25, 1952.
Cleaner, General household and industrial. The Theobald Industries. 570,564, Feb. 17; Serial No. 606,821, published Nov. 25, 1952.
Cleaner, General household and industrial. The Theobald Industries. 570,565, Feb. 17; Serial No. 606,823, published Nov. 25, 1952.
Raw natural soil product having porous characteristics for use in absorbing oils and grease from floors or soiled surfaces. Caprock Chemical Co., Inc. 570,585, Feb. 17; Serial No. 610,359, published Nov. 11, 1952.
Soap, Liquid. Ped-O-Flo Company. 570,580, Feb. 17; Serial No. 609,661, published Nov. 18, 1952.
Soap, Liquid hand. West Disinfecting Company. 570,685, Feb. 17; Serial No. 625,143, published Nov. 4, 1952.
Soaps, Toilet. The Cincinnati Soap Company. 299,200, renewed Nov. 22, 1952. O. G. Feb. 17.
Solvent, Petroleum, and cleaning naphtha. The American Oil Company. 300,401, renewed Jan. 24, 1953. O. G. Feb. 17.
Stain elimination and cleaning solution. The Minnesota Electronics Corporation. 570,532, Feb. 17; Serial No. 596,616, published Nov. 18, 1952.
Stick of a chemical substance. R. H. Goldman. 570,629, Feb. 17; Serial No. 619,752, published Nov. 4, 1952.
Synthetic and natural aromatic chemicals and essential oils. Firmenich Incorporated. 570,755, Feb. 17; Serial No. 614,691, published Nov. 18, 1952.
Synthetic and natural aromatic chemicals and essential oils. Firmenich Incorporated. 570,756, Feb. 17; Serial No. 614,693, published Nov. 18, 1952.
Synthetic detergent. Virginia-Carolina Chemical Corporation. 570,606, Feb. 17; Serial No. 618,412, published Nov. 25, 1952.

CLASS 100

Catering service, Food. The O. P. Baur Confectionery Company. 570,812, Feb. 17; Serial No. 550,890, published Nov. 18, 1952.
Disseminating information to educators. Mr. Atom Associates. 570,817-18, Feb. 17; Serial Nos. 601,504-5, published Nov. 11, 1952.
Information service. The Reuben H. Donnelley Corporation. 570,822, Feb. 17; Serial No. 605,732, published Nov. 25, 1952.
Mechanical, electrical, chemical and architectural engineering services. The Kuljian Corporation. 570,820, Feb. 17; Serial No. 603,244, published Nov. 25, 1952.
Organizing chapters in a national fraternity in history; maintaining membership therein, etc. Phi Alpha Theta. 570,832, Feb. 17; Serial No. 604,382, published Nov. 25, 1952.
Promoting the mental, moral and religious improvement, social enjoyment and the general welfare of the students, etc. Alpha Delta Pi. 570,833, Feb. 17; Serial No. 607,004, published Nov. 25, 1952.
Treating susceptible lymphoid tissue. Drs. Rogers and La Mance. 570,814, Feb. 17; Serial No. 574,677, published Nov. 11, 1952.
Treating tonsils. Drs. Rogers and La Mance. 570,815, Feb. 17; Serial No. 574,678, published Nov. 11, 1952.

CLASS 101

Advertising the goods and services of sponsors. G. S. McGinnis. 570,823, Feb. 17; Serial No. 608,367, published Nov. 11, 1952.
Advertising the goods of others. Work Clothes & Sportswear Show, Inc. 570,825, Feb. 17; Serial No. 611,054, published Nov. 25, 1952.
Recording shower and wedding gifts for bride-elects. Bridgester, Inc. 570,826, Feb. 17; Serial No. 612,299, published Nov. 25, 1952.
Services to promote the sale of theatre tickets, etc. National Promotion Associates. 570,853, Feb. 17; Serial No. 602,146.

CLASS 102

Underwriting of fire, windstorm, aircraft, etc., insurance. Hardware Mutual Insurance Company of Minnesota. 570,816, Feb. 17; Serial No. 593,117, published Nov. 25, 1952.

CLASS 103

Electrical construction services. Harry F. Ortlip Company. 570,824, Feb. 17; Serial No. 610,498, published Nov. 25, 1952.
Lubricating automobiles and other motor vehicles. Union Oil Company of California. 570,811, Feb. 17; Serial No. 535,275, published Oct. 28, 1952.
Services rendered to automobiles, trucks, and other automotive vehicles. Phillips Petroleum Company. 570,821, Feb. 17; Serial No. 605,490, published Nov. 4, 1952.
Waterproofing and caulking building structures, etc. The Grenadier Corporation. 570,830, Feb. 17; Serial No. 624,134, published Nov. 18, 1952.

CLASS 106

Chemically treating lumber, wood, plywood, and veneer. Protexol Corporation. 570,829, Feb. 17; Serial No. 620,789, published Nov. 18, 1952.
Textile printing. Hand Prints, Inc. 570,831, Feb. 17; Serial No. 624,538, published Nov. 18, 1952.

CLASS 107

Entertainment service. R. E. Smith. 570,813, Feb. 17; Serial No. 554,727, published Jan. 9, 1951.
Entertainment service. F. Wolf. 570,827, Feb. 17; Serial No. 618,266, published Nov. 11, 1952.
Entertainment services. Bremer Broadcasting Corporation. 570,819, Feb. 17; Serial No. 603,042, published Nov. 25, 1952.
Entertainment services. Weathermer and Block. 570,828, Feb. 17; Serial No. 619,047, published Nov. 25, 1952.

LIST OF PLANT PATENTEEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,168, Feb. 17.
Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,169, Feb. 17.

Jackson & Perkins Company, assignee: See—Boerner, Eugene S.

LIST OF DESIGN PATENTEEES

Afco-Lite Corporation, assignee: See—Rusnak, William, and Stoll.
Altemiller, Arthur D., Affton, Mo., assignor to Hercules Steel Products Corporation, Gallon, Ohio. Combination hot dog steamer and bun warmer. 168,817, Feb. 17.
Apar, George J., Long Island City, N. Y., assignor of one-half to Bambach & Roth Hosiery Mills, Philadelphia, Pa., and one-half to Colleen Hosiery Co., New York, N. Y. Lady's stocking. 168,818, Feb. 17.
Army, United States of America as represented by the Secretary of the, assignee: See—Mack, William.
Autoyre Company, The, assignee: See—Eaton, Wilfred A.
Bambach & Roth Hosiery Mills, assignee: See—Apar, George J.
Banford, Claire L.: See—Dent, Lester A., and Banford.
Beleck, William, Tyler, Tex. Manicuring implement container or similar article. 168,819, Feb. 17.
Beltrami, Alexa L., New York, N. Y. Hanger bracket. 168,820, Feb. 17.
Bernard, Jacques, assignors to Society "Bernard-Moteurs," S. A., Paris, France. Motor. 168,821, Feb. 17.
Bland, Rose M., St. Louis, Mo. Combined insulated robe and mask. 168,822, Feb. 17.
Blasey, Lawrence E., Bay Village, assignor to Memory Vase Company, Cleveland, Ohio. Combined cemetery grave flower holder and base therefor. 168,823, Feb. 17.
Borowitz, David, Chicago, Ill. Wall lighting fixture. 168,824, Feb. 17.
Borowitz, David, Chicago, Ill. Wall lighting fixture. 168,825, Feb. 17.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,826, Feb. 17.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,827, Feb. 17.
Carr, William J.: See—Hertman, Ernest, and Carr.
Carvel, Thomas, Hartdale, N. Y. Advertising device for roadside stores. 168,828, Feb. 17.
Colleen Hosiery Co., assignee: See—Apar, George J.
Corde De Paris Corset Co., Inc., assignee: See—Steiner, Harry.
Darab, John C., Wilkes-Barre, Pa. Portable sandblast machine. 168,829, Feb. 17.
De Muth, James: See—Lincoln, William, and De Muth.
Denison Engineering Company, The, assignee: See—Eschliman, William E.
Dent, Lester A., Richmond Annex, and C. L. Banford, Richmond, Calif. Wreath. 168,830, Feb. 17.
Derle, Edgar, Oostburg, Wis. Combined coat hanger and ice scraper for automobiles. 168,831, Feb. 17.
Doman, Donald W.: See—Haman, Ralph W., Norby, and Doman.
Eaton, Wilfred A., North Woodbury, assignor to The Autoyre Company, Oakville, Conn. Suction cup towel bar. 168,832, Feb. 17.
Eschliman, William E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic relief valve. 168,833, Feb. 17.
Essex Manufacturing Co. Inc., assignee: See—Peyser, Leonard.
Fairnace, Nicholas, Floral Park, N. Y. Educational rule. 168,834, Feb. 17.
Freeman, William, & Company Limited, assignee: See—Freeman, William S.
Freeman, William S., assignor to William Freeman & Company Limited, Barnsley, England. Box for fragile articles. 168,835, Feb. 17.
Hainke, Paul, Mower Corporation, Inc., The, assignee: See—Hainke, Paul W.
Hainke, Paul W., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans. Power lawn mower head. 168,836, Feb. 17.
Haman, Ralph W., Flossmoor, C. V. Norby, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Observation car. 168,837, Feb. 17.

Hamil, Virginia, New York, N. Y., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,838, Feb. 17.
Hercules Steel Products Corporation, assignee: See—Altemiller, Arthur D.
Herrman, Ernest, Hilldale, N. J., and W. J. Carr, assignors to Heywood-Wakefield Company, Gardner, Mass. Chest of drawers. 168,839, Feb. 17.
Herrman, Ernest, Hilldale, N. J., and W. J. Carr, assignors to Heywood-Wakefield Company, Gardner, Mass. Chest of drawers. 168,840, Feb. 17.
Herrman, Ernest, Hilldale, N. J., and W. J. Carr, assignors to Heywood-Wakefield Company, Gardner, Mass. Chest of drawers. 168,841, Feb. 17.
Heywood-Wakefield Company, assignee: See—Herrman, Ernest, and Carr.
Järund, Harry S. V., Lund, assignor to R. Rausing, Simonstorp, Blentarp, Sweden. Combined tetrahedral shaped packages and container therefor. 168,842, Feb. 17.
Johnson, Daniel R., Los Angeles, Calif. Chair. 168,843, Feb. 17.
Kestenman Bros. Mfg. Co., assignee: See—Valcourt, Louis E.
La Forte, Michael J., Park Ridge, assignor to Vaughan Mfg. Co., Chicago, Ill. Can opener. 168,844, Feb. 17.
Lauterbach, Norman E., Newark, N. Y., and W. D. Teague, Annandale, N. J., assignors to Ritter Company, Inc., Rochester, N. Y. Combination dental and medical operating chair. 168,845, Feb. 17.
Lincoln, William, and J. De Muth, Huntington Park, Calif. Hanger. 168,846, Feb. 17.
MacGregor, May, New York, N. Y. Baking mold. 168,847, Feb. 17.
Mack, William, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Army. Dispensing can. 168,848, Feb. 17.
Memory Vase Company, assignee: See—Blasey, Lawrence E.
Miles, Charlie A., Burlington, N. C. Lady's stocking. 168,849, Feb. 17.
Monroe, Harry E., Los Angeles, Calif. Wall gunrack. 168,850, Feb. 17.
Montenier, Jules, Chicago, Ill. Flexible bottle. 168,851, Feb. 17.
Murdock, Benjamin, Brooklyn, N. Y. Box for a girdle. 168,852, Feb. 17.
Norby, Clarence V.: See—Haman, Ralph W., Norby, and Doman.
Oppenheimer, Siegfried L., New York, N. Y. Narrow textile fabric or the like. 168,853, Feb. 17.
Ozner, Sylvia, Miami Beach, Fla. Head scarf. 168,854, Feb. 17.
Paynor, Melvin, Providence, R. I. Golf putter head. 168,855, Feb. 17.
Peyser, Leonard, White Plains, assignor to Essex Manufacturing Co. Inc., New York, N. Y. Umbrella display stand. 168,856, Feb. 17.
Publix Shirt Corporation, assignee: See—Ruskay, Everett S.
Pullman-Standard Car Manufacturing Company, assignee: See—Haman, Ralph W., Norby, and Doman.
Quaker Lace Company, assignee: See—Hamil, Virginia.
Rausing, Ruben, assignee: See—Järund, Harry S. V.
Ries, Edward J., Brighton, assignor to Ritter Company, Inc., Rochester, N. Y. Dental chair or the like. 168,857, Feb. 17.
Ritter Company, Inc., assignee: See—Lauterbach, Norman E., and Teague.
Ries, Edward J.
Rocker, Elmer, Shaker Heights, Ohio. Telephone stand or similar article. 168,858, Feb. 17.
Ruskay, Everett S., Cedarhurst, assignor to Publix Shirt Corporation, New York, N. Y. Shirt. 168,859, Feb. 17.
Rusnak, William, Chicago, and W. G. Stoll, Evanston, assignors to Afco-Lite Corporation, Chicago, Ill. Brooder heater. 168,860, Feb. 17.
Sarna, Sajjan S., New York, N. Y. Bell. 168,861, Feb. 17.

LIST OF DESIGN PATENTEEES

Sawie, William S., III, Evanston, Ill. Lamp base. 168,862, Feb. 17.
 Seiff, William D., Barbourville, Ky. Condiment holder. 168,863, Feb. 17.
 Schneider, Seymour, Astoria, N. Y. Name plate. 168,864, Feb. 17.
 Schultz, Abraham Y., University City, Mo. Bottle. 168,865, Feb. 17.
 Society "Bernard-Motens," S. A., assignee: See—
 Bernard, Jacques.
 Steiner, Harry, New York, assignor to Corde De Parle Car-
 set Co., Inc., Brooklyn, N. Y. Girdle. 168,866, Feb. 17.
 Stoffel, Hans F., Scarsdale, N. Y. Seal. 168,867, Feb. 17.
 Stoll, Wilbert G.: See—
 Rusnak, William, and Stoll.
 Streh, Stephen A., Rochester, N. Y. Game board. 168,868, Feb. 17.
 Teague, Walter D.: See—
 Lauterbach, Norman E., and Teague.
 Tobler, Hans, Teaneck, N. J. Appliqué emblem or the like. 168,869, Feb. 17.
 Valcourt, Louis E., East Providence, assignor to Kesten-
 man Bros. Mfg. Co., Providence, R. I. Watch bracelet or
 the like. 168,870, Feb. 17.
 Vaughan Mfg. Co., assignee: See—
 La Forte, Michael J.
 Voight, August L., Berea, Ohio. Dispenser stopper for a
 bottle. 168,871, Feb. 17.
 Waldman, Albert J., New York, N. Y. Lady's handbag. 168,872, Feb. 17.
 Woolfe, Aaron E., Miami Beach, Fla. Fishing lure. 168,873, Feb. 17.
 Woolfe, Aaron E., Miami Beach, Fla. Fishing lure. 168,874, Feb. 17.
 Zimet, Andrew, New York, N. Y. Ring. 168,875, Feb. 17.

LIST OF PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaby, Oscar L., Woodville, Wis. Supporting bracket for
 water pipe fittings. 2,628,799, Feb. 17.
 Ackley, E. Hastings, assignee: See—
 Yancey, Charles R.
 Adams, Edgar W., Jr., Garden City, N. Y., assignor to the
 United States of America as represented by the Secretary
 of the Navy. Recording method. 2,628,881, Feb. 17.
 Adelson, David E., and G. L. Perry, Berkeley, and G. G.
 Pritzker, Sausalito, assignors to Shell Development Com-
 pany, San Francisco, Calif. Extreme pressure lubricant.
 2,628,941, Feb. 17.
 Admiral Corporation, assignee: See—
 Carlson, Reuben C.
 Ainsworth, Benjamin J., and E. J. Courts, Los Angeles,
 Calif.; said Courts assignor to said Ainsworth. Tire
 pressure responsive safety device. 2,629,086, Feb. 17.
 Air Control Products, Inc., assignee: See—
 Leigh, Robert L.
 Air Force, United States of America as represented by the
 Secretary of the, assignee: See—
 Oetjen, Robert A.
 Silvester, Austin G.
 Air Reduction Company, Incorporated, assignee: See—
 Anderson, Nelson E.
 Albano, Vincent J., Fanwood, N. J., assignor to Bell Tele-
 phone Laboratories, Incorporated, New York, N. Y.
 Forming a point at the end of a wire. 2,628,936, Feb. 17.
 Albi Manufacturing Co., Incorporated, assignee: See—
 Juda, Walter, Jones, and Altman.
 Alderfer, Sterling W., assignor of three-tenths to E. D.
 Andrews, Akron, Ohio. Process and apparatus for the
 manufacture of sponge rubber products. 2,628,654,
 Feb. 17.
 Alexander, Arthur H. and J. H., Victoria, British Colum-
 bia, Canada, assignors to Kennametal Inc., Latrobe, Pa.
 Percussion drill bit body. 2,628,821, Feb. 17.
 Alexander, John H.: See—
 Alexander, Arthur H. and J. H.
 Alhino, John B., San Leandro, Calif. Article-traying unit.
 2,628,754, Feb. 17.
 Allen, Arthur N., Jr.: See—
 Diefenderfer, William E., and Allen.
 Allen, Arthur N., Jr., Wethersfield, assignor to United
 Aircraft Corporation, East Hartford, Conn. Spring
 loaded preloading mechanism for blade retention with
 increased stiffness. 2,628,687, Feb. 17.
 Allen, George M., Swarthmore, Pa., assignor to American
 Viscose Corporation, Wilmington, Del. Thread storage-
 thread advancing device. 2,628,406, Feb. 17.
 Aller, Basil V., Dorking, R. H. Hall, Sutton, D. C. Quin,
 Epsom, and K. H. W. Turck, Banstead, England, as-
 signors, by mesne assignments, to Hercules Powder Com-
 pany. Manufacture of phenols. 2,628,983, Feb. 17.
 Aller, Basil V., Hull, R. H. Hall, Carshalton, D. C. Quin,
 Epsom, and K. H. W. Turck, Banstead, England, as-
 signors to Hercules Powder Company. Manufacture of
 phenols and ketones. 2,628,984, Feb. 17.
 Alliance Manufacturing Company, The, assignee: See—
 Deming, Andrew F.
 Allied Chemical & Dye Corporation, assignee: See—
 Calfee, John D., and Florio.
 Hassel, Martin L.
 Miller, Charles B.
 Allison, Walter H., deceased, Takoma Park, Md., by N. T.
 Black, administratrix, Mount Rainier, Md. Ice-cream
 packaging machine. 2,628,756, Feb. 17.
 Altman, Nathaniel: See—
 Juda, Walter, Jones, and Altman.
 Aluminum Air Seal Manufacturing Company, assignee:
 See—
 Webster, Clifford L.
 Amann, Ralph W.: See—
 Grimes, Louis M., and Amann.
 American Bosch Corporation, assignee: See—
 De Luca, Frank.
 American Car and Foundry Company, assignee: See—
 Ericson, George R., and Shields.
 Folmsbee, Clyde H.
 American Cyanamid Company, assignee: See—
 Booth, Robert B., and Hill.
 Booth, Robert B., and Light.
 Scalera, Marlo, Hardy, and Leavitt.
 Schwahl, Frederick J.
 Tanner, Charles A., Jr., and Hall.
 American Instrument Company, Inc., assignee: See—
 Moore, Thomas G.
 American Reinforced Paper Company, assignee: See—
 Stevenson, Allan B.
 American Steel Foundries, assignee: See—
 Taylor, Russell C., and Vincent.
 American Sterilizer Company, assignee: See—
 Perkins, John J.
 American Viscose Corporation, assignee: See—
 Allen, George M.
 Fry, Horace P., Jr.
 Haley, Hugh D.
 Lowe, William B., and Pape.
 Stanley, Richard W.
 Amosurrola, Jesus M., Mexico City, Mexico, assignor to
 Miranda Brothers Trading Corporation, New York, N. Y.
 Spleen extract. 2,628,961, Feb. 17.
 Anderson, August P., Goshen, Ind. Compressor. 2,628,765,
 Feb. 17.
 Anderson, Nelson E., Scotch Plains, N. J., assignor to Air
 Reduction Company, Incorporated. Stabilizing welding
 arc. 2,629,071, Feb. 17.
 Andrews, Daly P., Mountain Grove, Mo. Reciprocating log
 saw with cable driven carriage. 2,628,645, Feb. 17.
 Andrews, Edward D., assignee: See—
 Alderfer, Sterling W.
 Andring, Frank P., assignee: See—
 Wilda, Charles C.
 Animal Trap Company of America, assignee: See—
 Lehn, John U., and Weldman.
 Anschutz, Charles, Dayton, Ky. Barge unloading device.
 2,628,727, Feb. 17.
 Antle, L. L., & Co., Inc., assignee: See—
 Antle, Lloyd L., and Bohn.
 Antle, Lloyd L., and R. M. Bohn, assignors to L. L. Antle
 & Co., Inc., Atlanta, Ga. Preventing discoloration of
 sliced organic materials. 2,628,905, Feb. 17.
 Armstrong Skidley Motors Limited, assignee: See—
 Slatter, Brian H., and Dalah.
 Arens, Josef F., and D. A. van Dorp, assignors to N. V.
 Organon, Oss, Netherlands. Preparation of unsaturated
 aldehydes. 2,628,979, Feb. 17.
 Arnold, John H., Summit, N. J., and F. B. Grosselinger,
 assignors to Hydrocarbon Research, Inc., New York,
 N. Y. Synthesis of liquid hydrocarbons. 2,628,970,
 Feb. 17.
 Arnold, Philip S., Flint, Mich. Rope puller. 2,628,813,
 Feb. 17.
 Askania-Werke A. G., assignee: See—
 Haack, Fritz.
 Astruck, Paul, Northampton, England. Sunglasses, gog-
 gles, and the like. 2,628,352, Feb. 17.
 Atkinson, William P., South Milwaukee, and T. O. David-
 son, Milwaukee, assignors to Bucyrus-Erie Company,
 South Milwaukee, Wis. Fairlead for semitrailer
 scrapers or wagons. 2,628,815, Feb. 17.
 Atlantic Refining Company, The, assignee: See—
 Kassimir, William J.
 Attorney General of the United States, vested in the, as-
 signee: See—
 Hertz, Jürgen.
 Audubon Wire Cloth Corporation, assignee: See—
 Guba, Raymond J.
 Auerbach, Zernach, Bronx, N. Y. Safety razor blade dis-
 penser. 2,628,719, Feb. 17.
 Austin, Leslie W., San Jose, and J. C. Hicks, Menlo Park,
 Calif., assignors to Kaiser Aluminum & Chemical Cor-
 poration. Preparing refractory bonding material.
 2,628,915, Feb. 17.
 Auto-Wrap Corporation, assignee: See—
 Rubinstein, Matthew N., and Caplin.
 Automatic Electric Laboratories, Inc., assignee: See—
 Herrick, Roswell H.
 Wicks, John.
 Aylor, Elmo E., Chicago, Ill. Pencil pointer. 2,628,593,
 Feb. 17.
 Ayres, Russell W., and D. F. Swanson, assignors to Seeger
 Refrigerator Company, St. Paul, Minn. Combination
 drier and restrictor for refrigeration systems.
 2,628,484, Feb. 17.
 Babcock, Alexander, Camp Borden, Ontario, Canada.
 Ball turning machine. 2,628,462, Feb. 17.
 Bachle, Carl F., Grosse Pointe, assignor to Continental
 Aviation and Engineering Corporation, Detroit, Mich.
 Cylinder-crankcase assembly. 2,628,598, Feb. 17.
 Bacon, Hollis P., Sarasota, Fla. Radiant heater for plant
 protection. 2,628,609, Feb. 17.
 Badenhausen, Otto A.: See—
 Wahl, Eugene A., Hoechl, and Badenhausen.

- Bailey, Roy W., and J. T. Paull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Machine for assembling a workpiece on another part. 2,628,520, Feb. 17.
 Bailey, Roy W., and J. T. Paull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Driving and aligning means for power-operated tools. 2,628,646, Feb. 17.
 Bain, Vern W., Van Nuys, Calif. Demountable garment hanger. 2,628,751, Feb. 17.
 Baker Bros. Inc., assignee: See—
 Hallenbeck, Thomas L.
 Baker, James G., Winchester, Mass., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Five component objective lens for aerial photography. 2,628,532, Feb. 17.
 Ballantine, P., and Sons, assignee: See—
 Wahl, Eugene A., Boehl, and Badenhausen.
 Ballman, Edwin C., assignor to Ballman Engineering Company, Clayton, Mo. Electromagnetic switch. 2,629,031, Feb. 17.
 Ballman Engineering Company, assignee: See—
 Ballman, Edwin C.
 Bamford, Clement H., and W. E. Hanby, Maidenhead, and F. Hapley, Bingley, assignors to Courtlands Limited, London, England. Production of artificial fibers of polymeric materials. 2,628,886, Feb. 17.
 Bard, Francis N., assignee: See—
 Wilson, Thomas H., and Richardson.
 Barkson, Joseph A.: See—
 Mason, Russell I., Barkson, and McNary.
 Barnes & Jones, Incorporated, assignee: See—
 Fernald, Charles F.
 Barrett, Richard W., Cincinnati, Ohio. Self-service store. 2,628,691, Feb. 17.
 Bartlette, Daniel, and E. C. Lowe, St. Boniface, Manitoba, Canada. Box-blank cutting assembly. 2,628,543, Feb. 17.
 Basic Refractories, Inc., assignee: See—
 Rutz, Joseph J.
 Basile, Gennaro J., Brooklyn, N. Y. Demountable chair. 2,628,668, Feb. 17.
 Baumheckel, William M., Indianapolis, Ind. Electrical system for internal-combustion engines. 2,629,039, Feb. 17.
 Bell & Howell Company, assignee: See—
 Craib, James F.
 Bell Telephone Laboratories, Incorporated, assignee: See—
 Albano, Vincent J.
 Dahlbom, Carl A., and Weaver.
 Edwards, Paul G.
 Gooderham, John W.
 Graham, Robert E.
 King, John H.
 Oliver, Bernard M.
 Robertson, Donald D.
 Robertson, Donald D., and Wurms.
 Bendix Aviation Corporation, assignee: See—
 Brown, Robert L.
 Deardorff, Clinton E.
 Dray, Walter L., and Kusnitz.
 Teague, Walter D., Jr.
 Bennett, Frank, Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Sheet metal table tray construction. 2,628,873, Feb. 17.
 Benson, Richard E., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process for the production of an acid salt of hydroxylamine. 2,628,888, Feb. 17.
 Benson, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydroxylamine. 2,628,889, Feb. 17.
 Berg, Ralph R., Menlo Park, assignor to Marblast Corporation, Jersey City, N. J. Sandblasting device. 2,628,456, Feb. 17.
 Bergeson, Harold B.: See—
 Booth, Vilas E., Bergeson, and Patts.
 Berglund, August: See—
 Berglund, Nels, and Berglund.
 Berglund, Nels, and A. Berglund, Duluth, Minn. Pilewrench. 2,628,521, Feb. 17.
 Berglund, Orion W.: See—
 Deniston, George L., and Berglund.
 Bergman, Barnard, assignee: See—
 Raphael, Walter.
 Bergstrom, Herman A.: See—
 Von Glahn, William H., and Bergstrom.
 Berkeley Scientific Company, assignee: See—
 Helkes, Norman L.
 Bernadon Bottle Cap Co., Inc., assignee: See—
 Brown, Winthrop L., and Foye.
 Berner, Leo, San Jose, and A. L. Jett, Menlo Park, Calif. Torque converter. 2,628,566, Feb. 17.
 Bestway Equipment Co., Inc., assignee: See—
 Jansson, Newman C.
 Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Method and apparatus for molding concrete. 2,628,402, Feb. 17.
 Bird, John H.: See—
 Laverty, Irene M., and Bird.
 Blrkmaier, John, Franklin Square, N. Y. Flush valve. 2,628,362, Feb. 17.
 Bitterli, Emil V., Zurich, Switzerland, and M. Forrer, deceased, Paris, France, by A. J. Forrer, widow and heir and guardian of minor heirs, assignors to Compagnie Generale d'Electricite, Paris, France. Apparatus for coating and uniting textile cords to form a weftless fabric. 2,628,655, Feb. 17.
 Bittles, James A., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizable esters of alpha-methylene carboxylic acids. 2,628,958, Feb. 17.
 Blake, Edward S., Medford, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Mineral oil composition. 2,628,939, Feb. 17.
 Blanton, Charles H., Royal Oak, assignor to Ford Motor Company, Dearborn, Mich. Window regulator. 2,628,833, Feb. 17.
 Blewett, Stephen E., Altadena, assignor of one-half to S. N. Blewett, Stockton, Calif. Temperature indicator. 2,628,442, Feb. 17.
 Blewett, Stephen N., assignee: See—
 Blewett, Stephen E.
 Blicke, Naomi T., administratrix: See—
 Allison, Walter H.
 Bliss, Harvey N., Windsor, assignor to Veeder-Root, Incorporated, Hartford, Conn. Transfer mechanism for counters. 2,628,779, Feb. 17.
 Bloomfield Bank and Trust Co., The, executor: See—
 Ramage, John H., and Malin.
 Bodendoerfer, Raymond E., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filler. 2,628,739, Feb. 17.
 Boehl, Wilhelm: See—
 Wahl, Eugene A., Boehl, and Badenhausen.
 Bohn, Ralph M.: See—
 Antle, Lloyd L., and Bohn.
 Bollean, Arthur H., Cedar Rapids, Iowa, assignor to Cherry-Burrell Corporation, Chicago, Ill. Centrifugal tester. 2,628,773, Feb. 17.
 Bolog, Richard: See—
 Fechtelmer, Paul R., Boling, and Frederick.
 Booth, Robert B., Springdale, Conn., and J. V. Hill, Tucson, Ariz., assignors to American Cyanamid Company, New York, N. Y. Flotation of ores. 2,628,717, Feb. 17.
 Booth, Robert B., Springdale, and C. E. Light, Noroton Heights, Conn., assignors to American Cyanamid Company, New York, N. Y. Esters of alkylanthic formic acid. 2,628,971, Feb. 17.
 Booth, Vilas E., and H. B. Bergeson, Wilmington, and C. B. Potts, Coal City, Ill. Indoor clothesline construction. 2,628,723, Feb. 17.
 Borchers, Harry, assignee: See—
 Borchers, John F.
 Borchers, John F., assignor of one-half to H. Borchers, Henderson, Nebr. Dump body attachment for grain conveyors. 2,628,729, Feb. 17.
 Bouton, Gertrude V., assignee: See—
 Vischer, Alfred, Jr.
 Bowen, Clarence S., Greenville, S. C. Beehive with heating and ventilating means. 2,628,374, Feb. 17.
 Bowering, Henry G., Needham, assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Vacuum pump. 2,628,770, Feb. 17.
 Bowman, A. B., assignee: See—
 Smith, Robert L.
 Boyd, Raymond J., Arvada, Colo. Livestock watering device. 2,628,631, Feb. 17.
 Boye Needle Company, The, assignee: See—
 Flannery, Roy L.
 Brace, Porter H., Forest Hills Boro, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube making process. 2,628,516, Feb. 17.
 Bragg, Herbert E.: See—
 Leslie, Fred D., and Bragg.
 Brakeley, Paul W., Jr.: See—
 Schoelder, Helmuth O., Van Stien, and Brakeley.
 Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Hydraulic control. 2,628,489, Feb. 17.
 Branson, Raymond J., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla. Forming multiple segment tanks. 2,628,418, Feb. 17.
 Bratlien, Gilbert, El Monte, Calif. Trailer vehicle and coupling therefor. 2,628,846, Feb. 17.
 Braymer, Lawrence E., Lakasaka, Pa. Reflecting telescope with auxiliary optical system. 2,628,529, Feb. 17.
 Briggs, Henry, East Orange, N. J. Fracture securing device. 2,628,614, Feb. 17.
 Bristol Company, The, assignee: See—
 Hall, John I.
 Bristol-Myers Company, assignee: See—
 Brown, James D.
 British Vacuum Cleaner and Engineering Company Limited, The, assignee: See—
 Brown, Ivan G. O.
 Brockman, William D., Pomeroy, Wash. Rotary control oil or grease distributor. 2,628,636, Feb. 17.
 Brown, Ivan G. O., Yate, assignor to The British Vacuum Cleaner and Engineering Company Limited, Leatherhead, England. Electrical switch. 2,629,037, Feb. 17.
 Brown, James D., Livingston, N. J., assignor to Bristol-Myers Company, New York, N. Y. Carton closing machine. 2,628,466, Feb. 17.

- Brown, Morris C., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor cooling structure. 2,628,824, Feb. 17.
 Brown, Robert B., assignor to T. R. Mantes, doing business as T. R. Mantes Company, San Francisco, Calif. Scale control switch. 2,629,032, Feb. 17.
 Brown, Robert L., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Circuit breaker. 2,629,036, Feb. 17.
 Brown, Robert W., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Synthetic rubber emulsion polymerizations at subfreezing temperatures. 2,628,956, Feb. 17.
 Brown, Royce M., Albuquerque, N. Mex. Water aerator for fish containers. 2,628,447, Feb. 17.
 Brown, Thomas J., Muncie, Ind. Toolholder. 2,628,415, Feb. 17.
 Brown, Winthrop L., Newburgh, Ind., and A. B. Foye, West Bridgewater, Mass., assignors to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Steam chest for sealing machines. 2,628,757, Feb. 17.
 Brownstein, Louis: See—
 Kurnick, Abraham, and Brownstein.
 Buckley, Francis T., West Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Modified polyvinyl acetate compositions. 2,628,950, Feb. 17.
 Bucyrus-Erie Company, assignee: See—
 Atkinson, William P., and Davidson.
 Reuter, Gottfried.
 Budd Company, The, assignee: See—
 Watter, Michael.
 Budd, Larry J., Chicago, assignor to Pallet Devices, Inc., Des Plaines, Ill. Palletized shipping structure. 2,628,715, Feb. 17.
 Buhler, Hermann, assignor to Maag Zahnräder und Maschinen, A. G., Zurich, Switzerland. Gear grinding machine. 2,628,458, Feb. 17.
 Bulvid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Antiflapping lock. 2,628,686, Feb. 17.
 Bump, Albert H.: See—
 Wilson, William S., and Bump.
 Burgess, Glenn A., Lynwood, assignor to The Garrett Corporation, Los Angeles, Calif. Air conditioning means for enclosures. 2,628,482, Feb. 17.
 Burleyson, William H., Baltimore, Md. Portable food container having an electric heating element. 2,629,042, Feb. 17.
 Burney, Donald E., Griffith, and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparation of improved motor fuel. 2,628,981, Feb. 17.
 Butcock, Richard A., East Hempstead, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Stabilized lithium base grease. 2,628,949, Feb. 17.
 Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Platon. 2,628,602, Feb. 17.
 Cabot, Godfrey L., Inc., assignee: See—
 Hahn, Homer H., and Hendricks.
 Cadous, Esther, New York, N. Y. Elastic fabric. 2,628,928, Feb. 17.
 Calfee, John D., Manhasset, N. Y., and P. A. Florio, Wilmington, Del., assignors to Allied Chemical & Dye Corporation, New York, N. Y. 1,1-difluoroethylfluosulfonates and preparing them. 2,628,972, Feb. 17.
 California Pacific Service, Inc., assignee: See—
 Collins, Calhoun.
 California Research Corporation, assignee: See—
 Eagle, Same, and Scott.
 Callaway Mills Company, assignee: See—
 Colvin, James J.
 Campomar, Miguel A., Montevideo, Uruguay. Portable beach shade support. 2,628,797, Feb. 17.
 Cantalupo, Francis J., assignor to Crane Co., Chicago, Ill. Thermostatic mixing valve. 2,628,781, Feb. 17.
 Caplin, Stuart: See—
 Rubinstein, Matthew N., and Caplin.
 Carlin, Frank J., Fort Atkinson, Wis., assignor to United States Rubber Company, New York, N. Y. Adhesion of polymeric materials to glass. 2,628,922, Feb. 17.
 Carlson, Reuben C., River Grove, assignor to Admiral Corporation, Chicago, Ill. Tuner slug coupling. 2,629,080, Feb. 17.
 Carpenter, Charles R., Eden, N. Y. Convertible furniture article. 2,628,659, Feb. 17.
 Carter Carburetor Corporation, assignee: See—
 Brown, Morris C.
 Ericson, George R.
 Worden, Van C.
 Celanese Corporation of America, assignee: See—
 Piperoux, Rene P., Herts, and Moeller.
 Celina Farm Tools, Inc., assignee: See—
 Speicher, Carl F., and M. E.
 Chadefind Corporation, assignee: See—
 Deniston, George L., and Berglund.
 Chaffee, Robert E.: See—
 Gottschalk, Winston M., and Chaffee.
 Chang, Sheldon S. L.: See—
 Lloyd, Tom C., and Chang.
 Chaplin, Gilbert, assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Operating device for the charging valves of gas producers. 2,628,728, Feb. 17.
 Chapman, Dave, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen cleaning device. 2,628,431, Feb. 17.
 Cherry-Burrell Corporation, assignee: See—
 Bollean, Arthur H.
 Bodendoerfer, Raymond E.
 Chicago Roller Skate Company, assignee: See—
 Ware, Gordon K.
 Christopher, Albert S., Chicago, Ill. Loosening apparatus for wall coverings. 2,628,610, Feb. 17.
 Chrysler Corporation, assignee: See—
 Butterfield, John P.
 Furman, Louis B.
 Jones, John F., Timpner, and Juvinall.
 Robinson, Maurier C.
 Rodger, William R.
 Chudyk, Alex B., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure control apparatus having limiting controller. 2,629,074, Feb. 17.
 Clarke & Gough Limited, assignee: See—
 Gordon, Cecil, and Skidmore.
 Claussen, Richard A.: See—
 Riel, Robert R., and Claussen.
 Claver, George C., Jr., South Hadley, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Light stable polymers stabilized with amine oxides. 2,628,951, Feb. 17.
 Coberly, Clarence J., Los Angeles, Calif., assignor, by means assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid-operated pump with tandem booster pumps. 2,628,562, Feb. 17.
 Coberly, Clarence J., Pasadena, Calif., assignor, by means assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid-operated pump with double-acting direct-connected booster pump. 2,628,563, Feb. 17.
 Cockriel, Floyd M., Edgerton, Mo. Mechanical toothbrush. 2,628,377, Feb. 17.
 Coffey, Francis T., Sr., Los Angeles, Calif. Motion-picture viewer. 2,628,326, Feb. 17.
 Colbert, William H., Brackenridge, Pa., A. R. Weirich, North Wilkesboro, N. C., and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Light transmissive electrically conducting article. 2,628,927, Feb. 17.
 Collins, Calhoun, assignor of two-fifths to California Pacific Service, Inc., and one-fifth to T. M. Ryerson, Bakersfield, Calif. Liquid controlled device with self-cleaning valve. 2,628,630, Feb. 17.
 Collins Radio Company, assignee: See—
 Hubbard, Merle R.
 Colmery, Robert D., Columbus, Ohio. Reel-receiving fishing rod handle. 2,628,446, Feb. 17.
 Colvin, James J., assignor to Callaway Mills Company, La Grange, Ga. Soiled towel counter. 2,628,704, Feb. 17.
 Combustion Engineering-Superheater, Inc., assignee: See—
 Van Brunt, John.
 Commonwealth Engineering Company of Ohio, The, assignee: See—
 Toumlin, Harry A., Jr.
 Compagnie Generale d'Electricite, assignee: See—
 Bitterli, Emil V., and Forrer.
 Compagnie Industrielle des Telephones, assignee: See—
 Lesigne, Henri L.
 Comstock, Alfred E., Chicago, Ill. Automatic phonograph. 2,628,843, Feb. 17.
 Comstock, Alfred E., Chicago, Ill. Automatic phonograph. 2,628,844, Feb. 17.
 Conklin, Robert M.: See—
 Waidle, George A., and Conklin.
 Consolidated Engineering Corporation, assignee: See—
 Goodwin, Paul S.
 Robinson, Charles F.
 Continental Aviation and Engineering Corporation, assignee: See—
 Bachle, Carl F.
 Corkish, Richard B., Nantucket, Mass. Toolbox with pivoted tray section. 2,628,752, Feb. 17.
 Courtlands Limited, assignee: See—
 Bamford, Clement H., Hanby, and Hapley.
 Paul, Harry.
 Wharton, John.
 Courts, Emmett J.: See—
 Ainsworth, Benjamin J., and Courts.
 Cowles, John E., Philadelphia, Pa. Solder feeding device. 2,628,585, Feb. 17.
 Coyner, James M., Madison, Wis. Feeder pall valve assembly. 2,628,591, Feb. 17.
 Craib, James F., Town of Gates, N. Y., assignor, by means assignments, to Bell & Howell Company, Chicago, Ill. Web feeding mechanism for photographic apparatus and the like. 2,628,834, Feb. 17.
 Craig, Leo S., Shrewsbury, N. J. Compensated humidity-measuring circuit. 2,629,054, Feb. 17.
 Crane Co., assignee: See—
 Cantalupo, Francis J.
 Crane Packing Company, assignee: See—
 Vortech, Charles F.
 Crews, James H., San Marcos, Tex., assignor to The First National Bank of San Marcos. Can opener. 2,628,421, Feb. 17.

Crompton & Knowles Loom Works, assignee: See—
Kennedy, John T.
Klely, Thomas J.
Cuntz, Hermann F., Kew Gardens, N. Y. Razor blade holder and sheath. 2,628,423, Feb. 17.
Curtiss, Lyda D.: See—
Rhime, Jesse P., and Curtiss.
Cushman, Clifford E., Burbank, assignor to Sturgess Inc., Glendale, Calif. Coupling for control cables. 2,628,853, Feb. 17.
Cudr, John W., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Aryloxyacetates of basically substituted arylalkanols and derivatives thereof. 2,628,973, Feb. 17.
Cyphers, Elmer B., Cranford, and W. E. Waddey, Elizabeth, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricant. 2,628,040, Feb. 17.
Dahlbom, Carl A., Brooklyn, and A. Weaver, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech transmission system. 2,629,017, Feb. 17.
Dalley, Hampton J., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overwound filament. 2,629,065, Feb. 17.
Dalsh, Thomas G.: See—
Slatter, Brian H., and Dalsh.
Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Phonograph. 2,628,845, Feb. 17.
Dale, Joseph B., Rockville Centre, assignor to Servomechanisms, Inc., Mineola, N. Y. Means for damping electromechanical vibrator reeds. 2,629,033, Feb. 17.
Dalton, John N., Providence, R. I., and J. P. Ploubides, assignors to Pacific Mills, Lawrence, Mass. Continuous chrome mordanting and dyeing of wool. 2,628,883, Feb. 17.
Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Apparatus for aerating flotation pulps and the like. 2,628,827, Feb. 17.
Dann, Charles W., Malden, Mass., and R. M. Somers, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Advance marker for dictating machines. 2,628,841, Feb. 17.
Darden, Edna D., Springfield, Tenn. Packaging material. 2,628,907, Feb. 17.
Darrach, Arthur F., Rochester, Vt. Machine for scrubbing inner side wall and bottom of cylindrical containers. 2,628,379, Feb. 17.
Darrin, Howard A., Los Angeles, Calif. Automobile power-operated sliding door construction. 2,628,860, Feb. 17.
Davidson, Trevor O.: See—
Atkinson, William P., and Davidson.
Day, Kenney M., Nevada City, Calif. Hardness tester. 2,628,495, Feb. 17.
Day, Lamar L., assignee: See—
Day, Leslie.
Day, Leslie, Chicago, Ill., assignor of one-half to L. L. Day, St. George, Staten Island, N. Y. Electrical control system for overheated bearings on trains. 2,629,047, Feb. 17.
Dayton, Russell W., Columbus, Ohio, assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Safety valve. 2,628,032, Feb. 17.
Dean, William H., assignee: See—
Smith, Robert L.
Deardorff, Clinton E., San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Flow equalizer valve. 2,628,029, Feb. 17.
De Boisblanc, Desirade R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter calibrator. 2,629,053, Feb. 17.
De Bruyne, Anton L., Clinton, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuity, polarity, and breakdown test device. 2,628,909, Feb. 17.
Deere Manufacturing Co., assignee: See—
Orick, Harry C., Jr.
Dehmel, Richard C., Short Hills, N. J. Aircraft training apparatus with vertical air-speed indication and control. 2,628,434, Feb. 17.
De La Mater, George B.: See—
Homeser, August H., and De La Mater.
De Lancey, Warren H., and E. E. Vincent, Springfield, Mass., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Reversible variable capacity fluid pump. 2,628,567, Feb. 17.
De Luca, Frank, Willimansett, assignor to American Bosch Corporation, Springfield, Mass. Fuel injection device. 2,628,570, Feb. 17.
De Mario, Joseph, Audubon, N. J. Lipstick assembly. 2,628,024, Feb. 17.
Deming, Andrew F., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Plural speed changer motor for phonograph turntables. 2,628,504, Feb. 17.
De Neergaard, Lell E., Manhasset, N. Y. Method and means for recording and reproducing displacements. 2,628,539, Feb. 17.
Deniston, George L., and O. W. Berglund, Dayton, Ohio, assignors to Chadeloid Corporation, Wilmington, Del. Stain filler sealer. 2,628,947, Feb. 17.
Derr, Carl G.: See—
Gilbert, Lemuel M., and Derr.
Deschmann, Heinrich, Vienna, Austria. Electrical generator with variable frequency and power transmission systems. 2,629,075, Feb. 17.
Detroit Holist and Machine Company, assignee: See—
Martin, Henry F.
Detroit Power Screwdriver Company, assignee: See—
Bailey, Roy W., and Paul.
De Westfelt, Gerard P., New York, N. Y., assignor to The Sperry Corporation. Servomotor network. 2,629,077, Feb. 17.
Dickerman, Hubert E., Springfield, Mass. Feeding apparatus. 2,628,835, Feb. 17.
Diderich, George T., Milwaukee, Wis. Fishing rod or pole holder. 2,628,795, Feb. 17.
Diederich, Joseph F., La Grange, Ill. Package for deodorants, statuettes, and the like. 2,628,713, Feb. 17.
Diefenderfer, William E.: See—
Radtko, Edward W., and Diefenderfer.
Diefenderfer, William E., and A. N. Allen, Jr., Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Vane motor center post loading device. 2,628,685, Feb. 17.
Diefenderfer, William E., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Blade retention means with increased stiffness. 2,628,688, Feb. 17.
Dieterich Products Corporation, assignee: See—
Lincoln, Wilbur C.
Dietrich, Cornelius F., Southall, and H. J. Smith, assignors to Optical Measuring Tools Limited, Slough, England. Apparatus for optically gauging profiles. 2,628,528, Feb. 17.
Diets, John J., New Milford, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Strain-sensitive electrical device and system therefor. 2,628,038, Feb. 17.
Doak Aircraft Company, Incorporated, assignee: See—
Morris, Charles W., and Kent.
Dorkins, James O., Stuttgart, Ark. Seed cleaner and grader. 2,628,718, Feb. 17.
Dole Valve Company, The, assignee: See—
Mikoska, Peter L.
Dorey, George B., Westmont, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Operating mechanism for sliding gates for hoppers of hopper type cars. 2,628,573, Feb. 17.
Dorey, George B., Westmont, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Head for gate operating mechanism for hopper cars. 2,628,574, Feb. 17.
Dorey, George B., Westmont, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Operating bar receiving head for shaft of gate operating mechanism for railway cars. 2,628,575, Feb. 17.
Doty, William J., Port Richmond, N. Y. Detachable ball-shaped handle for rimmed cans. 2,628,858, Feb. 17.
Dow Chemical Company, The, assignee: See—
Ruh, Robert P.
Downs, George W., Jr.: See—
Eckart, Carl H., and Downs.
Drain, Herbert D., assignor to Walter E. Selek and Company, Chicago, Ill. Slink mounting. 2,628,365, Feb. 17.
Draper, Charles S., Newton, and Y. T. Li, Cambridge, Mass., assignors to Research Corporation, New York, N. Y. Control system. 2,628,606, Feb. 17.
Dray, Walter L., and F. V. Kuxmilt, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel metering system for gas turbine engines. 2,628,472, Feb. 17.
Dresser Equipment Company, assignee: See—
Coberly, Clarence J.
Duerr, Herman H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing tricolor separations. 2,628,901, Feb. 17.
Dunbar, James Y., United States Navy. Synchronous augments for resistor motors. 2,628,471, Feb. 17.
Dunran, Thomas P., Jr., Newport News, Va. Flexible sprinkler unit. 2,628,846, Feb. 17.
Dupier, Raymond R., Toledo, Ohio. Mounting for large globe made up of hemispherical sections. 2,628,436, Feb. 17.
du Pont, E. I., de Nemours & Company, assignee: See—
Henson, Richard E.
Bittles, James A., Jr.
Grigashy, William E.
Kunze, Walter H., and Evans.
Lautus, Joseph F., and Speck.
Sandra, Paul A., and Vincent.
Wayne, Winston J.
Winberg, Hilmer E.
Dyer, John R., Jr.: See—
Murray, William S., and Dyer.
Dyke, Edwin, Brookfield, and R. Y. Hoffman, Jr., Northbrook, assignors to Motorola, Inc., Chicago, Ill. Apparatus for selectively interconnecting wave guides. 2,629,048, Feb. 17.
Eagle, Sam, Richmond, and J. W. Scott, Jr., Berkeley, assignors to California Research Corporation, San Francisco, Calif. Regeneration of solid adsorbents. 2,628,933, Feb. 17.
Eames, James O.: See—
Sanford, Roy S., and Eames.

Earnest, William K., Portland, Oreg., and E. H. Karr, Tacoma, Wash., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Electrolytic production of chlorates. 2,628,935, Feb. 17.
Easy Washing Machine Corporation, assignee: See—
France, Martin L., and Landwiler.
Eckart, Carl H., San Diego, and G. W. Downs, Jr., Pasadena, Calif., assignors to the United States of America as represented by the Secretary of Navy. Echo ranging system. 2,629,084, Feb. 17.
Edison, Thomas A., Incorporated, assignee: See—
Dann, Charles W., and Somers.
Diets, John J.
Edwards, Jonathan, San Diego, Calif. Electronic ripple suppression filter. 2,629,014, Feb. 17.
Edwards, Paul G., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unbalanced-to-ground two-to-four-wire connection. 2,629,024, Feb. 17.
Ehrat, Kurt, assignor to E. Gretener, Zurich, Switzerland. Device for producing current impulse combinations. 2,629,012, Feb. 17.
Eitel-McCullough, Inc., assignee: See—
Eitel, William W., and McCullough.
Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,629,060, Feb. 17.
Elbon, Arthur R., St. Petersburg, Fla. Shear cut band saw. 2,628,044, Feb. 17.
Electric Furnace Company, The, assignee: See—
Kerr, Elmer L.
Elgin National Watch Company, assignee: See—
Favret, Maxime.
Ellipse Corporation, assignee: See—
Rhine, Marvin L.
Ellis, Charles E., Mahwah, N. J. Adjustable pole pitch dynamoelectric machine. 2,629,063, Feb. 17.
Elawick, John E.: See—
Johnston, Samuel S., and Elawick.
Emhart Manufacturing Company, assignee: See—
Rosa, Alexander H.
Engelhard, William E., North Arlington, N. J. Switch control mechanism. 2,629,005, Feb. 17.
Engelhauser, Winford L., Cincinnati, Ohio. Cam operated self-closing gate. 2,628,441, Feb. 17.
Engineering Development Company, Incorporated, The, assignee: See—
Parsons, Critchell.
England, John W., Iowa Falls, Iowa. Twine holder having a twine guiding notch. 2,628,856, Feb. 17.
Ensign Ribbon Burners, Inc., assignee: See—
Shottenfeld, Richard.
Enterprise Railway Equipment Company, assignee: See—
Dorey, George B.
Erasmus, Hendrik de W., Lewiston, and W. D. Forger, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Silicon nitride abrasives. 2,628,806, Feb. 17.
Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel tank. 2,628,673, Feb. 17.
Ericson, George R., Kirkwood, Mo., and R. A. Shields, Bloomington, Pa., assignors to American Car and Foundry Company, New York, N. Y. Lubricated valve with lubricant vent. 2,628,808, Feb. 17.
Evans, Raymond B.: See—
Kunze, Walter H., and Evans.
Everhart, Marcel L., Washington, D. C. Bottle dispensing cabinet. 2,628,874, Feb. 17.
Fairbairn, George C., and H. M. Putnam, Jr., Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Feed indicator for liquid pumps. 2,629,089, Feb. 17.
Falkner, Carl G.: See—
Goodbar, Mayo A., Placke, and Falkner.
Faull, John T.: See—
Bailey, Roy W., and Faull.
Favret, Maxime, assignor to Elgin National Watch Company, Elgin, Ill. Multiple-barrel power spring assembly. 2,628,690, Feb. 17.
Fay, James P., Norwalk, Conn. Registering device. 2,628,556, Feb. 17.
Featherstone Agricultural Limited, assignee: See—
Gillespie, Sydney H.
Fechelmer, Paul R., assignor to The Karl Klefer Machine Company, Cincinnati, Ohio. Spout for air-cleaning containers and means for operating it. 2,628,382, Feb. 17.
Fechelmer, Paul R., R. Bolig, and L. F. Frederick, assignors to The Karl Klefer Machine Company, Cincinnati, Ohio. Means for feeding tapered articles. 2,628,703, Feb. 17.
Fein, Raymond, and J. Wiener, Brooklyn, N. Y. Combination oil gauge and heater. 2,629,041, Feb. 17.
Feinberg, Archie S., Dallas, Tex. Combination refrigeration and evaporating cooling unit. 2,628,480, Feb. 17.
Fellows Gear Shaper Company, The, assignee: See—
Miller, Edward W.
Fernald, Charles F., assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass. Control unit for thermostatic valves. 2,628,783, Feb. 17.
Fiedler, Clifford O., San Gabriel, Calif. Apparatus for removing air from ceramic materials. 2,628,401, Feb. 17.
Field, Alan D., Eatontown, N. J. Plant packing machine. 2,628,753, Feb. 17.
Finch, Harry de V.: See—
Winkler, De Loss E., and Finch.
Fink, George A., Flushing, N. Y. Method and means for comminuting solid particles. 2,628,785, Feb. 17.
Finke, Jacob S., University City, Mo. Ice-cream cone rolling machine. 2,628,576, Feb. 17.
Finkur Enterprises, Inc., assignee: See—
Kurnick, Abraham, and Brownstein.
Firling, Osborne, assignor to Scovill Manufacturing Company, Waterbury, Conn. Slide fastener. 2,628,400, Feb. 17.
First National Bank of San Marcos, The, assignee: See—
Crews, James H.
Flannery, Roy L., assignor to The Boye Needle Company, Chicago, Ill. Knitting needle kit. 2,628,711, Feb. 17.
Florida, Patrick A.: See—
Calfee, John D., and Florida.
Fogel, Henry, New York, N. Y., assignor to Teletone Radio Corporation. Deflection circuits for television. 2,629,007, Feb. 17.
Folmabee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 2,628,633, Feb. 17.
Ford, David O., San Antonio, Tex. Key check and match-book holder. 2,628,712, Feb. 17.
Ford Motor Company, assignee: See—
Blanton, Charles H.
McRae, Edwin C.
Fore, Calvin B., Aransas Pass, Tex., assignor to United Carbon Company, Inc., Charleston, W. Va. Gas injector for carbon black converter. 2,628,674, Feb. 17.
Forgeng, William D.: See—
Erasmus, Hendrik de W., and Forger.
Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electromagnetic operator. 2,629,007, Feb. 17.
Forrer, Anne-Marie J., widow, heir, and guardian: See—
Bitterli, Emilie V., and Forrer.
Forrer, Max: See—
Bitterli, Emilie V., and Forrer.
Forsthe, Edwin C., Schenectady, N. Y. Antislip device. 2,628,437, Feb. 17.
Foxboro Company, The, assignee: See—
Goodman, Louis.
Foye, Allen B.: See—
Brown, Winthrop L., and Foye.
France, Martin L., Syracuse, and W. G. Landwiler, Fayetteville, assignors to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine provided with conical rinsing water distributing means. 2,628,488, Feb. 17.
Frankenstein, William P., Cincinnati, Ohio. Carton. 2,628,763, Feb. 17.
Frederick, Leonard F.: See—
Fechelmer, Paul R., Bolig, and Frederick.
Freyermuth, Harlan B., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Metallized spirit-soluble azo dyestuffs. 2,628,960, Feb. 17.
Frielinghaus, Ferdinand: See—
Schmidt, Job, and Frielinghaus.
Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Splittable cable with visible conductors. 2,628,998, Feb. 17.
Friar, Marley O., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ejector for header punches. 2,628,514, Feb. 17.
Froehlig, Rudolph A., Little Neck, assignor to Modern Record Albums, Inc., College Point, N. Y. Jacket for phonograph records. 2,628,819, Feb. 17.
Frohlich, Gus R., Los Angeles, Calif. Flashlight having a central adjustable lamp carrier. 2,629,045, Feb. 17.
Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,628,409, Feb. 17.
Frye, Jack, Sedona, Ariz. Stationary power plant having radially and axially displaced jet engines. 2,628,475, Feb. 17.
Gamble, Hedwig, Ponders End, England. Machine for making filter and like tips for cigarettes. 2,628,541, Feb. 17.
Gangel, Robert N., Oceanside, N. Y. Tow target bit indicator. 2,628,836, Feb. 17.
Gannon, Alfred C., Indianapolis, and C. E. Kilby, Knightstown, assignors to Kingan & Co. Incorporated, Indianapolis, Ind. Packaging machine. 2,628,758, Feb. 17.
Gardner, Fred R., Wichita, Kans. Quirk release locking mechanism. 2,628,854, Feb. 17.
Garnier, Pierre M., Verlan, France. Refrigeration of food. 2,628,483, Feb. 17.
Garrett Corporation, The, assignee: See—
Burgess, Glenn A.
Schofield, Paul C., and Green.
Garrison, Marion A., South Pasadena, assignor to Glen Haven Memorial Park, San Fernando, Calif. Collapsible form for concrete crypts. 2,628,403, Feb. 17.
General Aniline & Film Corporation, assignee: See—
Duerr, Herman H.
Freyermuth, Harlan B.
Randall, David I., and Solonen.
Sullivan, Frederick W., Jr.
Von Glahn, William H., and Bergstrom.
General Electric Company, assignee: See—
Lynch, Edward E., and Leete.
Peters, Philip H., Jr.
Powers, James H.
Salomone, Rynold A., and Turton.
Shanklin, George B.
Uhrig, Harry W.

General Mills, Inc., assignee: See—
Moe, Owen A., and Warner.
General Motors Corporation, assignee: See—
Frist, Marley O.
Goodwin, Richard M.
Harrold, Marshall C.
Lillquist, Torsten G.
Mathews, Verner P.
Purchas, William J., Jr.
Purchas, William J., Jr., and Trusell.
Sampson, Frederick W.
Swarthout, Stanley H.
General Railway Signal Company, assignee: See—
Kendall, Hugh C.
General Tire and Rubber Company, The, assignee: See—
Grr, Clifford R.
Riel, Robert R., and Clausen.
Geovision Incorporated, assignee: See—
Rieber, Frank.
Gerber Products Company, assignee: See—
McGowan, Patrick G.
Gibbons, James A., North Hollywood, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Neutral density filter screen. 2,628,334, Feb. 17.
Gilbert, A. C., Company, The, assignee: See—
Frisbie, Marshall H.
Gilbert, Harry, Cuyaboga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with acrylonitrile. 2,628,954, Feb. 17.
Gilbert, Lemuel M., Oaklyn, N. J., and C. G. Derr, Philadelphia, Pa. Drum cleaning machine. 2,628,378, Feb. 17.
Gilbert, Philo G., assignor to Gilbert Wheel, Inc., Portland, Ore. Wheel for automotive vehicles. 2,628,631, Feb. 17.
Gilbert Wheel, Inc., assignee: See—
Gilbert, Philo G.
Gillespie, Russell A., Indianapolis, Ind. Window. 2,628,392, Feb. 17.
Gillespie, Sydney H., Kilgarrow, Newtown Butler, Northern Ireland, assignor to Featherstone Agricultural Limited, Middlesex, England. Mower attachment for tractors. 2,628,467, Feb. 17.
Gillmore, Burdette B., Pelham Manor, assignor to West Disinfecting Company, Long Island City, N. Y. Valve assembly. 2,628,569, Feb. 17.
Gipe, Harrison S., assignor to Quinlan Pretzel Company, Inc., Reading, Pa. Pretzel twisting machine. 2,628,577, Feb. 17.
Glaiser, Armin, Selzach, Switzerland. Safety lock. 2,628,491, Feb. 17.
Givaudan Corporation, The, assignee: See—
Voegell, Roland-Carlo.
Givens, Reuben H., Jr., and C. G. Pruett, Long Beach, Calif. Traffic signal. 2,628,679, Feb. 17.
Gladstein, Beulah G., Louisville, Ky. Doll and doll pocket therefor. 2,628,452, Feb. 17.
Glass, Marvin L., assignee: See—
Goldfarb, Adolph.
Glesman, Vernon E., Elmira, N. Y. Hypoid differential gear. 2,628,508, Feb. 17.
Glen Haven Memorial Park, assignee: See—
Garrison, Marion A.
Globe-Union Inc., assignee: See—
Weldeman, Bernard A.
Whitcomb, Henry F., Jr.
Glover, Ray E., West Sacramento, Calif. Fuel feeding device for internal-combustion engines. 2,628,634, Feb. 17.
Glynas, Thomas M., Jr., Collingwood, and F. H. Schneider, Westville, N. J., assignors to Radio Corporation of America. Tuned circuit. 2,629,013, Feb. 17.
Goldberg, Julian E., assignee: See—
Kushner, Minna.
Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Tens carry mechanism for accounting machines. 2,628,778, Feb. 17.
Goldfarb, Adolph, assignor to M. I. Glass, Chicago, Ill. Toy fire boat. 2,628,451, Feb. 17.
Goldklang, Jack J., See—
Rosenfeld, Arthur M., and Goldklang.
Goodbar, Mayo A., E. H. Placke, and C. G. Falkner, assignors to The National Cash Register Company, Dayton, Ohio. Zero stop mechanism. 2,628,780, Feb. 17.
Gooderham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic toll-ticketing system. 2,629,016, Feb. 17.
Goodman, Harold J., Detroit, Mich. Tennis ball holder. 2,628,804, Feb. 17.
Goodman, Louis, Mills, assignor to The Foxboro Company, Foxboro, Mass. Switching arrangement for electrical measuring systems. 2,628,994, Feb. 17.
Goodrich, R. F., Company, The, assignee: See—
Gilbert, Harry.
Farrish, Charles I.
Tucker, Harold.
Goodwin, Paul S., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Voltage sensitive circuit. 2,629,056, Feb. 17.
Goodwin, Richard M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Dynamo brush machine. 2,628,511, Feb. 17.
Gordon, Cecil, Moseley, Birmingham, and F. Skidmore, Black Lake, West Bromwich, assignors to Clarke & Gough Limited, Smethwick, England. Bed chair or bed settee. 2,628,368, Feb. 17.
Gore, Albert J., Washington, D. C. Three-part clamp holder. 2,628,399, Feb. 17.
Gottschalk, Winston M., Watertown, and R. E. Chaffee, Wellesley, assignors to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron device. 2,629,068, Feb. 17.
Grabner, Robert P., Westfield, and N. L. Wendler, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Reduction of steroid ketones with alkali metal borohydride. 2,628,966, Feb. 17.
Graham, Robert E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system having reduced transmission bandwidth. 2,629,010, Feb. 17.
Graham, Robert E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system having reduced transmission bandwidth. 2,629,011, Feb. 17.
Graham, Tom S., Alvin, Tex. assignor to Phillips Petroleum Company. Well drilling rig. 2,628,818, Feb. 17.
Gray Manufacturing Company, The, assignee: See—
Moore, Frank L., and Roberts.
Green, Frederick H., See—
Schofield, Paul C., and Green.
Green, Stanley A., assignor to Hill-Mar Industries Inc., Buffalo, N. Y. Davenport bed. 2,628,367, Feb. 17.
Greene, Chester W., Lynn, assignor, by means assignments, to Naumkeag Steam Cotton Company, Salem, Mass. Doffing mechanism for spinning machines. 2,628,468, Feb. 17.
Greenidge, Charles T., See—
Jackson, John H., and Greenidge.
Greenough, Maurice L., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Electrical micrometer. 2,629,004, Feb. 17.
Grelg, James W., assignor to Woodall Industries Inc., Detroit, Mich. Sun visor. 2,628,861, Feb. 17.
Gretener, Edgar, assignee: See—
Ehrat, Kurt.
Grier, Ross E., Pauline, Kans. Hydraulic starting system for internal-combustion engines. 2,628,476, Feb. 17.
Griffith, James E., Denver, Colo. Aircraft adapted for air, land, and water travel. 2,628,792, Feb. 17.
Grigsby, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing unsaturated amides. 2,628,977, Feb. 17.
Grimes, Louis M., and R. W. Amann, Lemont, Ill. Bag closure. 2,628,396, Feb. 17.
Griswold, Hugh T., San Francisco, Calif., assignor to Owens-Illinois Glass Company. Machine for uncasing bottles and jars. 2,628,732, Feb. 17.
Grosselinger, Frederick B., See—
Arnold, John H., and Grosselinger.
Guba, Raymond J., Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation. Wire conveyor belt drive. 2,628,706, Feb. 17.
Gunning, Joseph H., Manhattan Beach, Calif. Golf bag carrier. 2,628,801, Feb. 17.
Haack, Fritz, Berlin-Wilmersdorf, assignor to Askania-Werke A. G., Berlin, Germany. Magnetometer. 2,629,003, Feb. 17.
Hague, Floyd T., Drexell Hill, Pa., assignor, by means assignments, to the United States of America as represented by the Secretary of the Navy. Annular combustion liner having conical reentrant walls with fuel reversing elements. 2,628,474, Feb. 17.
Hahn, Homer H., and W. F. Hendricks, Pampa, Tex., assignors to Godfrey L. Cabot, Inc., Boston, Mass. Apparatus for producing impingement carbon black. 2,628,891, Feb. 17.
Hale, Jack C., San Jose, Calif. Towing dolly. 2,628,733, Feb. 17.
Haley, Hugh D., Drexell Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket and rover therefor. 2,628,740, Feb. 17.
Hall, Daniel C., See—
Tanner, Charles A., Jr., and Hall.
Hall, Harry, Chicago, Ill. Toy holder and guard means. 2,628,666, Feb. 17.
Hall, John I., assignor to The Bristol Company, Waterbury, Conn. Compensated calibrating means for electrical instruments. 2,628,993, Feb. 17.
Hall, Reginald H., See—
Aller, Basil V., Hall, Quin, and Turck.
Hallenebeck, Thomas L., assignor to Baker Bros. Inc., Toledo, Ohio. Turret control mechanism. 2,628,413, Feb. 17.
Hanback, Francis J., See—
Peters, Fred, and Hanback.
Hanby, William E., See—
Bamford, Clement H., Hanby, and Happey.
Hand, Wilfred C., Mountaineer, N. J. Nail straightening pliers. 2,628,519, Feb. 17.
Handleman, Leo, See—
Kroll, George, and Handleman.
Happey, Frank, See—
Bamford, Clement H., Hanby, and Happey.

Hardy, William B., See—
Scalera, Mario, Hardy, and Leavitt.
Hare, Donald G. C., Long Island, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Sonic tiltometer. 2,629,082, Feb. 17.
Harner, Walter E., assignee: See—
Packard, Edward F.
Harris, Milton M., Passaic, N. J., assignor to Irving Hollander, New York, N. Y. Tip for umbrellas and means for attaching the covers of umbrellas thereof. 2,628,581, Feb. 17.
Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,629,034, Feb. 17.
Hart, Charles W., Alhambra, Calif. Torque wrench. 2,628,497, Feb. 17.
Hassel, Martin L., St. Louis, Mo., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Washing glass bottles and composition therefor. 2,628,943, Feb. 17.
Hava Development Co., Inc., assignee: See—
Vera, Edward F.
Hawkes, Lawrence H., assignor of forty percent to J. W. Nitz, Cannelton, W. Va. Split trolley wire frog or switch. 2,629,028, Feb. 17.
Hawkins, James E., assignor to Selsmograph Service Corporation, Tulsa, Okla. Radio location system. 2,629,091, Feb. 17.
Hawkins, Sara B., Tampa, Fla. Vehicle for transporting velocipedes. 2,628,847, Feb. 17.
Healy, Montie M., Flint, Mich. Egg substitute admixture and producing the same. 2,628,904, Feb. 17.
Heath, Donald P., Delaware Township, Camden County, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Jet combustion device embodying pretreatment of fuel before combustion. 2,628,475, Feb. 17.
Helkes, Norman L., San Pablo, assignor to W. K. Rosenberry, doing business as Berkeley Scientific Company, Richmond, Calif. Equalizing and mixing valve. 2,628,782, Feb. 17.
Helndel, Herbert H., See—
Holmes, Burton F., and Helndel.
Helms, Bernard, Scranton, Pa. Luminous attachment for locks. 2,629,057, Feb. 17.
Helterline, Leo L., Jr., South Norwalk, assignor to Sorensen & Company, Inc., Stamford, Conn. Voltage regulator. 2,629,076, Feb. 17.
Hendricks, William F., See—
Hahn, Homer H., and Hendricks.
Hercules Powder Company, assignee: See—
Aller, Basil V., Hall, Quin, and Turck.
Shapleigh, James H.
Herndon, Lawrence O., Elk Basin, assignor to J. E. Jones, Cody, Wyo. Magnetic plug for core bits. 2,628,822, Feb. 17.
Herod, Newton S., Smyrna, and L. R. O'Neill, Fairmont, W. Va., assignors to the United States of America as represented by the United States Atomic Energy Commission. Flow valve control. 2,628,638, Feb. 17.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Multichannel mobile telephone system. 2,629,092, Feb. 17.
Herrlich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal apparatus discharger. 2,628,719, Feb. 17.
Hertz, David B., See—
Piperoux, Rene P., Hertz, and Moeller.
Hertz, Jorgen, Copenhagen, Denmark, vested in the Attorney General of the United States. Spray control system for dishwashing machines. 2,628,628, Feb. 17.
Hersark, Curt, Mauren, Liechtenstein. Measuring leg with an adjustable measuring surface for gauges. 2,628,429, Feb. 17.
Hester, Levi C., deceased, Jacksonville, Fla.; E. J. Richardson, executrix of said L. C. Hester, assignor to Hester Plow Co., Inc., Jacksonville, Fla. Tractor mounted disk plow. 2,628,547, Feb. 17.
Hester Plow Co., Inc., assignee: See—
Hester, Levi C.
Hettick Manufacturing Company, The, assignee: See—
Wallace, Earl C., and Meekin.
Heyck, Joseph G., Tampa, Fla. Browband. 2,628,361, Feb. 17.
Heyman, Moses D., Woodmere, N. Y. Machine for washing mica pieces and the like. 2,628,461, Feb. 17.
Hickman, Albert F., assignor to Hickman Industries Inc., Eden, N. Y. Thrust bearing. 2,628,870, Feb. 17.
Hickman Industries Inc., assignee: See—
Hickman, Albert F.
Hicks, James C., See—
Austin, Leslie W., and Hicks.
Higgins, Harold T., Hyde Park, Mass. Safety control and signal system for motor vehicles. 2,629,085, Feb. 17.
Hill, John V., See—
Booth, Robert R., and Hill.
Hill-Mar Industries Inc., assignee: See—
Green, Stanley A.
Hill, William H., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Flotation process. 2,628,710, Feb. 17.
Hilldale, John H., assignor to Proctor Electric Company, Philadelphia, Pa. Cooking device. 2,628,738, Feb. 17.
Hilton, Clarence G., assignee: See—
Oak, Noah.
Hilly, Donald C., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Alloy addition agent. 2,628,808, Feb. 17.
Hinkle, Samuel E., Houston, Tex. Rivet-buckling tool. 2,628,515, Feb. 17.
Hoffman, Henry, Minneapolis, Minn. Trolling propelling means for boats. 2,628,586, Feb. 17.
Hoffman, Richard Y., Jr., See—
Dyke, Edwin, and Hoffman.
Hoffmann-La Roche Inc., assignee: See—
Zentner, Margaret R.
Hoke, Henry L., Thurmont, Md. Juvenile play yard. 2,628,370, Feb. 17.
Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Reduction of carbon formation in hydrocarbon synthesis. 2,628,968, Feb. 17.
Hollander, Irving, assignee: See—
Harris, Milton M.
Holmes, Burton F., and H. H. Helndel, assignors to Schults Die Casting Company, Toledo, Ohio. Control circuits for space discharge tube. 2,629,070, Feb. 17.
Holtje, John F., New York, N. Y. Illuminated message case. 2,629,043, Feb. 17.
Honeyer, August H., Webster Groves, and G. B. De La Mater, St. Louis County, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparing dihydrocodeine, dihydromorphine, and codeine. 2,628,962, Feb. 17.
Horan, John J., Willow Grove, Pa. Nursing device. 2,628,906, Feb. 17.
Horan, John J., Detroit, Mich. Liquid infant food in marketable dispensers. 2,628,908, Feb. 17.
Horan, John J., Detroit, Mich. Packaging for liquid infant food. 2,628,909, Feb. 17.
Horan, John J., Detroit, Mich. Methods and devices for merchandising and dispensing liquid infant food. 2,628,910, Feb. 17.
Horan, John J., Detroit, Mich. Methods and devices for merchandising and directly dispensing liquid infant food. 2,628,911, Feb. 17.
Horan, John J., Detroit, Mich. Devices for packaging liquid infant food. 2,628,912, Feb. 17.
Horan, John J., Detroit, Mich. Liquid infant food dispensers and packaging therefor. 2,628,913, Feb. 17.
Horn & Hardart Company of New York, assignee: See—
Smith, John D.
Houdaille-Herabey Corporation, assignee: See—
De Lancy, Warren H., and Vincent.
Hufford, George H.
Houdry Process Corporation, assignee: See—
Kollgaard, Reyner.
Houllis, Louis D., Dallas, Tex. Door operating mechanism for bakers' ovens. 2,628,832, Feb. 17.
Hoy, Leland E., See—
La Beck, Aldan J., and Hoy.
Hubbard, Merle R., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-frequency inductor. 2,629,081, Feb. 17.
Hoff, Ernest L., Tarentum, Pa. Mechanical reel. 2,628,486, Feb. 17.
Huff, Ernest L., Tarentum, Pa. Apparatus for treating continuous products. 2,628,627, Feb. 17.
Hufferd, George H., Cleveland, Ohio, assignor to Houdaille-Herabey Corporation, Detroit, Mich. Hydraulic check. 2,628,602, Feb. 17.
Hungerford, Churchill, Jr., Wagonah, and J. G. Reutter, assignors to Hungerford & Terry, Inc., Clayton, N. J. Backwash control equipment for filters. 2,628,720, Feb. 17.
Hungerford & Terry, Inc., assignee: See—
Hungerford, Churchill, Jr., and Reutter.
Hydro-Blast Corporation, The, assignee: See—
Webster, Roderick S.
Hydrocarbon Research, Inc., assignee: See—
Arnold, John H., and Grosselinger.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Scanning antenna. 2,629,052, Feb. 17.
Indiana Corporation of America, The, assignee: See—
Murray, William S., and Dyer.
Industrial Rayon Corporation, assignee: See—
McLellan, Kenneth M.
International Tool Corporation, assignee: See—
Skilling, Edwin E.
Isaac, William, Shafter, Calif. Four-wheel steering actuated by cable. 2,628,848, Feb. 17.
Jackson, John H., and C. T. Greenidge, Columbus, Ohio, assignors, by means assignments, to The C. O. Jelliff Mfg. Corporation, Southport, Conn. Ni-Cr-Mn alloys. 2,628,900, Feb. 17.
Jackson, Lester L., Jr., See—
Terwilliger, David D., Mazur, and Jackson.
Jacob, Robert M., Ablon-sur-Seine, and J. G. Robert, Paris, France, assignors, by means assignments, to Parke, Davis & Company, Detroit, Mich. Preparation of a substituted amino propane diol. 2,628,975, Feb. 17.
Jacobs, Charles R., Del Paso Heights, Calif. Hydraulic system for transferring rotary motion to reciprocating motion. 2,628,564, Feb. 17.
Jacoby, Raymond W., Mountain Lakes, N. J. Dye aging process. 2,628,884, Feb. 17.
Jagenburg, Eugene R., Brooklyn, N. Y. Tilttable feed for fruit and vegetable cutting machines. 2,628,648, Feb. 17.

James, Richard T., Philadelphia, Pa. Multifluidic sanitary tooth paste dispenser. 2,628,746, Feb. 17.
 James, William R., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Bis(trichloromethyl)sulfone. 2,628,982, Feb. 17.
 Jannsen, Newman C., assignor to Beatway Equipment Co., Inc., Seattle, Wash. Sack handling device for lift trucks. 2,628,734, Feb. 17.
 Jasse, Raymond, assignor to Societe d'Etudes M. B. A., Paris, France. Explosive drill. 2,628,550, Feb. 17.
 Jeffrey Manufacturing Company, The, assignee: See—
 Lee, Arthur L.
 Steinmetz, Walter C.
 Jelliff, C. O., Mfg. Corporation, The, assignee: See—
 Jackson, John H., and Greenidge.
 Jensen, Amanda, assignee: See—
 Jensen, Joseph M.
 Jensen, Joseph M., Oakland, Calif., assignor to A. Jensen, deceased, C. S. Wood, executor. Reclining chair. 2,628,663, Feb. 17.
 Jessup, Richard O., Los Angeles, assignor to Marman Products Co., Inc., Inglewood, Calif. Flexible ventilated coupling. 2,628,851, Feb. 17.
 Jett, Alexander L.: See—
 Berner, Leo, and Jett.
 Jewett & Sherman Company, assignee: See—
 Stehm, Glen W.
 Jobbins, William F., Incorporated, assignee: See—
 Willmore, Charles B.
 Johnson, Henry H., Notodden, assignor to Norsk Hydro-Elektrisk Kvalitetsfaktorieskab, Oslo, Norway. Product concentrated formic acid. 2,628,976, Feb. 17.
 Johnson, Russell K., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for determining liquid levels. 2,628,500, Feb. 17.
 Johnston, Le Roy M., Chehalis, Wash. Electrical call wanner. 2,628,502, Feb. 17.
 Johnston, Samuel S., and J. E. Elawick, Steubenville, Ohio, assignors to National Steel Corporation. Cleaning strip. 2,628,924, Feb. 17.
 Jones, Grinnell: See—
 Juda, Walter, Jones, and Altman.
 Jones, Harold Goulbourne: See—
 Pye, George T., and Jones.
 Jones, Harry W.: See—
 McCallen, Perry S., and Jones.
 Jones, J. E., assignee: See—
 Herndon, Lawrence O.
 Jones, John F., Berkley, F. F. Timpner, Birmingham, Mich., and R. C. Juvinali, Chicago, Ill., assignors to Chrysler Corporation, Highland Park, Mich. Cam mechanism and manufacturing the same. 2,628,005, Feb. 17.
 Jones, Thomas A. D., and C. E. Kilby, assignors to Kingan & Co., Incorporated, Indianapolis, Ind. Meat curing device. 2,628,552, Feb. 17.
 Joslyn Mfg. and Supply Co., assignee: See—
 Smalley, Hurl M.
 Juda, Walter, and O. Jones, Cambridge, Mass., and N. Altman, Kew Gardens, N. Y., assignors, by means assignments, to Albi Manufacturing Co., Incorporated. Fire-retardant composition containing an anion exchange resin. 2,628,946, Feb. 17.
 Juergens, John, McHenry, Ill. Automobile accelerator attachment. 2,628,507, Feb. 17.
 Juvinali, Robert C.: See—
 Jones, John F., Timpner, and Juvinali.
 Kader, William K., Chicago, Ill. Revolving shelving for refrigerators and the like. 2,628,880, Feb. 17.
 Kaiser Aluminum & Chemical Corporation, assignee: See—
 Anatin, Leslie W., and Hicks.
 Kane, Glendon, Green Bay, Wis. Web perforating mechanism. 2,628,681, Feb. 17.
 Kantor, James, and E. Rosenberg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Combined water cooler and carbonator. 2,628,825, Feb. 17.
 Kantrowitz, Arthur, Hampton, Va. Axial-flow compressor. 2,628,768, Feb. 17.
 Karper, Abraham S., Ellenville, N. Y. Filling device. 2,628,618, Feb. 17.
 Karr, Errol H.: See—
 Earnest, William K., and Karr.
 Kasa, John C. and T. C., Ravenna, Mich. Christmas tree stand. 2,628,798, Feb. 17.
 Kasa, Theodore C.: See—
 Kasa, John C. and T. C.
 Kasalir, William J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Apparatus for testing electric timers. 2,629,009, Feb. 17.
 Kemping, Thomas E., Drumheller, Alberta, Canada. Rod winder. 2,628,546, Feb. 17.
 Kendall, Hugh C., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,629,088, Feb. 17.
 Kennametal Inc., assignee: See—
 Alexander, Arthur H., and J. H.
 Kennedy, John T., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for wett replenishing looms. 2,628,640, Feb. 17.
 Kent, Leonard A.: See—
 Morilla, Charles W., and Kent.
 Kerkau, George N., Bay City, Mich. Combination switch and lock lights. 2,629,090, Feb. 17.
 Kerr, Elmer L., assignor to The Electric Furnace Company, Salem, Ohio. Controlled atmosphere annealing furnace. 2,628,830, Feb. 17.
 Keyes Fibre Company, assignee: See—
 Randall, Walter H.
 Kiefer, Karl, Machine Company, The, assignee: See—
 Fechheimer, Paul R.
 Fechheimer, Paul R., Boing, and Frederick.
 Kiefer, William R., assignee: See—
 Tomkins, John E.
 Kieley, Thomas J., West Boylston, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for looms. 2,628,839, Feb. 17.
 Kieruff, Jorgen V., Los Angeles, Calif. Measuring device for tooth paste tubes. 2,628,742, Feb. 17.
 Kilby, Cornelius E.: See—
 Gannon, Alfred C., and Kilby.
 Jones, Thomas A. D., and Kilby.
 Kilgore, Joseph R., Camden, N. J., assignor to Radio Corporation of America. Muting system for signal amplifiers. 2,629,026, Feb. 17.
 Kindorf Co., The, assignee: See—
 Kindorf, Harry L. and O. C.
 Kindorf, Harry L. and O. C., assignors to The Kindorf Co., San Francisco, Calif. Hanger for attachment to structural shapes. 2,628,800, Feb. 17.
 Kindorf, Orlan C.: See—
 Kindorf, Harry L. and O. C.
 King, John H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ventilator for telephone booths. 2,628,550, Feb. 17.
 Kingman & Co., Incorporated, assignee: See—
 Gannon, Alfred C., and Kilby.
 Jones, Thomas A. D., and Kilby.
 Kinney Manufacturing Company, assignee: See—
 Bowering, Henry O.
 Klein, Markua, Pittsburgh, Pa. Push-button combination lock. 2,628,400, Feb. 17.
 Klein, Norman E., Garden City, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Magnetic orientation. 2,628,502, Feb. 17.
 Kleiss, Louis D., Borger, Tex., assignor to Phillips Petroleum Company. Fluid velocity responsive regulating or indicating means. 2,628,400, Feb. 17.
 Kline, Donald, Aurora, and E. N. Michna, assignors, by means assignments, to Peterson Products Corporation, Chicago, Ill. Slatted conveyor. 2,628,705, Feb. 17.
 Kiofanda, Carlyle W., Fennimore, Wis. Stretcher for spectacle frames. 2,628,517, Feb. 17.
 Klugein, Helmut: See—
 Klugein, Theobald and H.
 Klugein, Theobald and H., Valley Stream, N. Y. Adjustable reclining chair. 2,628,661, Feb. 17.
 Knapp, Alfred P., Jackson Heights, assignor to Knapp Mills Incorporated, Long Island City, N. Y. Method and apparatus for coating metallic objects. 2,628,393, Feb. 17.
 Knapp, Emil, Floral Park, assignor, by means assignments, to Kollman Instrument Corporation, Elmhurst, N. Y. Temperature compensation adjustment for pressure responsive instruments. 2,628,601, Feb. 17.
 Knapp Mills Incorporated, assignee: See—
 Knapp, Alfred P.
 Kollgaard, Reynier, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Disengagement of gases from a moving bed of fluent solid particles. 2,628,803, Feb. 17.
 Kollman Instrument Corporation, assignee: See—
 Knapp, Emil.
 Koppers Company, Inc., assignee: See—
 Hill, William H.
 Kott, Hermann, Verona, N. J., assignor to Publication Corporation, New York, N. Y. Preparation of printing plates and cylinders with chloro-bromide resist-forming film. 2,628,603, Feb. 17.
 Kraft, Fred E., Chicago, Ill. Open-end wrench convertible to box-type wrench. 2,628,322, Feb. 17.
 Krewson, Josephine E., Muskegon, Mich. Apparatus for use in surgery and in administering anesthetics. 2,628,803, Feb. 17.
 Krizman, Matthew F., South Bend, Ind. Antenna mounting base. 2,628,796, Feb. 17.
 Kroll, George, Passaic, and L. Handelman, Irvington, N. J. Sandblasting device. 2,628,457, Feb. 17.
 Krumm, Thomas F., Toledo, Ohio. Wheel gauge. 2,628,430, Feb. 17.
 Kueneman, Donald: See—
 Kueneman, John R. and D.
 Kueneman, John R. and D., Oakland, Calif. Gyrotory crusher. 2,628,788, Feb. 17.
 Kunze, Walter O., and R. B. Evans, Catonsville, Md., assignors, by means assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyvinyl acetate emulsion containing an acetic acid ester of glycerol. 2,628,948, Feb. 17.
 Kurlick, Abraham, and L. Brownstein, assignors to Fink Enterprises, Inc., New York, N. Y. Film magazine. 2,628,345, Feb. 17.
 Kuah, Arthur J., San Antonio, Tex. Necktie knot form. 2,628,300, Feb. 17.
 Kushner, Minna, Almonesson, N. J., assignor of fifty per cent to J. E. Goldberg, Philadelphia, Pa. Luggage construction. 2,628,694, Feb. 17.

Kusnitz, Frank V.: See—
 Dray, Walter L., and Kusnitz.
 La Beck, Aidan J., and L. E. Hoy, Clatskanie, Oreg. Gear-ing. 2,628,500, Feb. 17.
 Lacey, William N.: See—
 Sage, Bruce H., and Lacey.
 La Fite, George A., Atlanta, Ga. Sound reproducer attachment for headsets. 2,629,023, Feb. 17.
 Laguzzi, Marin, assignor to Polirette Corseta, Inc., New York, N. Y. Foundation garment. 2,628,354, Feb. 17.
 Laguzzi, Marin, assignor to Polirette Corseta, Inc., New York, N. Y. Foundation garment. 2,628,355, Feb. 17.
 Landau, Lucian, Chingford, London, assignor to Latex Industries Limited, London, England. Manufacture of toy balloons. 2,628,387, Feb. 17.
 Landenberger, J. W., & Co., assignee: See—
 Lucha, Morton G.
 Landwiler, William G.: See—
 France, Martin L., and Landwiler.
 Langmyhr, George J., Sarnia, Ontario, Canada. Counter-current extraction method and apparatus. 2,628,804, Feb. 17.
 Lankford, Floyd R., Miami Beach, Fla. Rotary cutting tool. 2,628,512, Feb. 17.
 La Rue, Albert D., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable electron discharge device. 2,629,009, Feb. 17.
 Latex Industries Limited, assignee: See—
 Landau, Lucian.
 Lau Blower Company, The, assignee: See—
 Wilken, Carl E.
 Laube, Edward, Jr., assignor to Taylor and Company, Chicago, Ill. Dice box. 2,628,840, Feb. 17.
 Laucius, Joseph F., and S. B. Speck, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,4-diamino-2,3-anthraquinone-dicarboximides. 2,628,963, Feb. 17.
 Laverty, Irene M., Philadelphia, and J. H. Bird, Ambler, Pa., said Bird assignor to said Laverty. Clasp for blouses. 2,628,398, Feb. 17.
 Lawrence, Albert H., Gaylord, Minn. Fishing rod with disappearing spike. 2,628,445, Feb. 17.
 Lawson, E. P. Co., Inc., assignee: See—
 Seybold, Frederick W.
 Leavitt, Julian J.: See—
 Seclara, Mario Hardy, and Leavitt.
 Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Shuttle car and electric cable reel. 2,628,791, Feb. 17.
 Leete, Bernard D.: See—
 Lynch, Edward E., and Leete.
 Le Goff, Lucien J. A., assignor to Societe d'Electricite Mora, Cligny, France. Magnetic control system for railway traffic. 2,628,372, Feb. 17.
 Lehn, John U., and C. M. Weidman, Sr., assignors to Animal Trap Company of America, Lititz, Pa. Choker trap. 2,628,448, Feb. 17.
 Leigh, Robert L., assignor to Air Control Products, Inc., Cooperaville, Mich. Roof ventilator. 2,628,551, Feb. 17.
 Lesigne, Henri L., Vanves, assignor to Compagnie Industrielle des Telephones, Paris, France. Selector marking system. 2,629,019, Feb. 17.
 Lealle, Fred D., Malverne, N. Y., and H. E. Bragg, Oxford, N. J., assignors to Twentieth Century Fox Film Corporation, New York, N. Y. System for removal of heat energy from light beams. 2,628,525, Feb. 17.
 Leventhal, Gabriel, New York, N. Y. Undergarment. 2,628,353, Feb. 17.
 Levin, Israel, Chicago, Ill. Registering device for printing presses. 2,628,558, Feb. 17.
 Lewis, William P., Alliance, Ohio. Commutator and forming the same. 2,629,064, Feb. 17.
 Lewyt, Alex M., New York, and C. E. Meyerhoefer, assignors to Lewyt Corporation, Brooklyn, N. Y. Suction nozzle with brush. 2,628,383, Feb. 17.
 Lewyt Corporation, assignee: See—
 Lewyt, Alex M., and Meyerhoefer.
 Leydecker, Charles P., Normandy, Mo. Foot balancing means. 2,628,440, Feb. 17.
 Li, Yao T.: See—
 Draper, Charles S., and Li.
 Libbey-Owens-Ford Glass Company, assignee: See—
 Colbert, William H., Weinrich, and Morgan.
 Libbey-Owens-Ford Glass Company, assignee: See—
 Weinrich, Arthur R.
 Liberman, Hyman: See—
 Sherman, Harry, Silverman, and Liberman.
 Liberman, Milton, Brooklyn, N. Y. Lamp supported reflector unit. 2,629,046, Feb. 17.
 Light, Charles E.: See—
 Hooth, Robert B., and Light.
 Lillquist, Torsten O., La Grange Park, Ill., assignor to General Motors Corporation, Detroit, Mich. Electric traction and braking system. 2,629,058, Feb. 17.
 Lincoln, Wilbur C., Chicago, Ill., assignor, by means assignments, to Dieterich Products Corporation, Michigan City, Ind. Visor bracket. 2,628,807, Feb. 17.
 Lindenblad, Nils E., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,629,051, Feb. 17.
 Linkert, Richard H.: See—
 Simonian, Gerald, and Linkert.
 Liquid Carbonic Corporation, The, assignee: See—
 Kantor, James, and Rosenberg.
 Lloyd, Tom C., and S. S. L. Chang, assignors to Robolins & Myers, Inc., Springfield, Ohio. Submersible transformer and electric motor and combination. 2,629,070, Feb. 17.
 Lockhart, Sadie, executrix, assignee: See—
 Lockhart, William.
 Lockhart, William, deceased, Cleveland, Ohio; S. Lockhart, executrix, assignor to S. Lockhart. Tool for closing and opening containers of the metal drum or barrel type. 2,628,811, Feb. 17.
 Loery, Joseph, Jr., Euclid, Ohio. Diamond tool assembly. 2,628,608, Feb. 17.
 Logan Co., Inc., assignee: See—
 Prentice, John M.
 London, Bessie P., Baltimore, Md. Posture corrector. 2,628,613, Feb. 17.
 Loudon, Warren P., assignor to The National Cash Register Company, Dayton, Ohio. Receipt printing and issuing mechanism. 2,628,774, Feb. 17.
 Loudon, Warren P., Tucson, Ariz., assignor to The National Cash Register Company, Dayton, Ohio. Cash drawer operating mechanism. 2,628,775, Feb. 17.
 Loudon, Warren P., Tucson, Ariz., assignor to The National Cash Register Company, Dayton, Ohio. Locking mechanism for accounting machines. 2,628,777, Feb. 17.
 Lowe, Edward C.: See—
 Bartlette, Daniel, and Lowe.
 Lowe, Joe, Corporation, assignee: See—
 Roth, Ernest J.
 Lowe, William B., Springhaven, and H. E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,628,407, Feb. 17.
 Lowe, William B., Springhaven, and H. E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,628,408, Feb. 17.
 Lucha, Morton G., New York, N. Y., assignor to J. W. Landenberger & Co., Philadelphia, Pa. One-piece fabric foot protector. 2,628,438, Feb. 17.
 Ludwig, Merle R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Phase modulating apparatus. 2,629,060, Feb. 17.
 Lundin, Albert: See—
 Powers, Felix W., and Lundin.
 Lynch, Edward E., Wakefield, and H. D. Leete, Nahant, Mass., assignors to General Electric Company. Frequency-type telemeter receiver. 2,629,008, Feb. 17.
 Maag Zahnrad- und Maschinenfabrik, A. G., assignee: See—
 Böhler, Hermann.
 Mahrey, Nelson L., Buffalo, N. Y. Conveyor transfer apparatus. 2,628,702, Feb. 17.
 Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door. 2,628,389, Feb. 17.
 Maggart, Joel F., Elmwood, Tenn. Irrigation machine. 2,628,863, Feb. 17.
 Magnus Chemical Company, Inc., assignee: See—
 Zloty, Marcel J.
 Mahan, Lynn C., deceased, by D. S. Swanson, executrix. New York, N. Y. Crisp guard. 2,628,373, Feb. 17.
 Mahan, Raymond L., Long Beach, Calif. Core-sampling tool. 2,628,810, Feb. 17.
 Maher, Laurence C., Asbury Park, N. J. Multicylinder motor. 2,628,604, Feb. 17.
 Mallin, Jay H., Whittier, Calif., assignor to The Texas Company, New York, N. Y. Control of the ignition means in injection type internal-combustion engines. 2,628,600, Feb. 17.
 Mallin, Robert D.: See—
 Ramage, John H., and Mallin.
 Mallinckrodt Chemical Works, assignee: See—
 Homeyer, August H., and De La Mater.
 Manning, Maxwell & Moore, Inc., assignee: See—
 Dayton, Russell W.
 Mantes, T. R., assignee: See—
 Brown, Robert R.
 Mantes, T. R., Company, assignee: See—
 Brown, Robert R.
 Marchionda, Tony F., Struthers, Ohio. Garment bag supporting and elevating device. 2,628,755, Feb. 17.
 Marshall, John, Omaha, Nebr. Hollow revolving illuminated spotlight sphere. 2,629,044, Feb. 17.
 Maribant Corporation, assignee: See—
 Berg, Ralph R.
 Marman Products Co., Inc., assignee: See—
 Jessup, Richard O.
 Martin, Glenn L., Company, The, assignee: See—
 Terwilliger, David D., Mazur, and Jackson.
 Martin, Henry F., Centerline, assignor to Detroit Holist and Machine Company, Detroit, Mich. Door operating mechanism. 2,628,831, Feb. 17.
 Martineff, Guido, Dallas, Tex. Self-threading sewing machine needle with improved block. 2,628,582, Feb. 17.
 Marx, Louis, & Company, Inc., assignee: See—
 Rhome, Jesse L., and Curtiss.
 Masek, Walter F., Richmond, Ind., assignor to Multiscope, Inc., Coffeyville, Kan. Handrail for moving stairways. 2,628,700, Feb. 17.
 Mason, Russell L., and J. A. Barkson, New London, Conn., and J. C. McNary, Bethesda, Md., assignors to the United States of America as represented by the Secretary of the Navy. Expendable radionomic buoy. 2,629,083, Feb. 17.

Mathews, Verner P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Gasoline filter. 2,628,721, Feb. 17.

Matthews, Walker H.: See—
Wheeler, Jack A., and Matthews.

Maxwell, Frank E., Delhi, La. Linoleum colling drum. 2,628,789, Feb. 17.

Mayo, Louis A., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Extensible folded terminal for electrical coils. 2,628,998, Feb. 17.

Masur, Harry: See—
Terwilliger, David D., Masur, and Jackson.

McCallen, Perry S., and H. W. Jones, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Wheel and axle assembly. 2,628,839, Feb. 17.

McConnell, Harry C., Harpster, Idaho. Square saw and level. 2,628,427, Feb. 17.

McCullough, Jack A.: See—
Eltel, William W., and McCullough.

McDonald, David, Birmingham, Ala. Chair and seat and back therefor. 2,628,660, Feb. 17.

McElhinney, Thomas R., and T. D. Woodruff, Lockport, assignors to Valite Corporation, New Orleans, La. Thermoplastic resins formed from pinewood pitch. 2,628,917, Feb. 17.

McGowan, Patrick G., assignor to Gerber Products Company, Fremont, Mich. Container closure. 2,628,735, Feb. 17.

McLain, Harold O., Highland Park, Ill. Master car icing machine. 2,628,477, Feb. 17.

McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Multistage reel. 2,628,411, Feb. 17.

McMillan, Helen: See—
McMillan, John and H.

McMillan, John and H., Elko, Nev. Transparent cutter guide. 2,628,424, Feb. 17.

McNamar Boiler & Tank Company, Inc., assignee: See—
Branson, Raymond J.

McNamara, Walter F., Chicago, Ill. Gameboard stand. 2,628,839, Feb. 17.

McNary, James C.: See—
Mason, Russell L., Barkson, and McNary.

McRate, Edwin C., assignor to Ford Motor Company, Dearborn, Mich. Vehicle transmission control. 2,628,510, Feb. 17.

Meekin, James Jr.: See—
Wallace, Earl C., and Meekin.

Mehler, Carl J., Pittsburgh, Pa. Micrometer adjustment device for valves. 2,628,588, Feb. 17.

Menn, Jacob J.: See—
Wallace, Edwin G., and Menn.

Merck & Co., Inc., assignee: See—
Graber, Robert P., and Wendler.

Nunheimer, Thomas D.

Merit Engineering, Inc., assignee: See—
Stevenson, Robert.

Messinger, William, Philadelphia, Pa. Mechanism for producing simultaneous oscillating and rotary motion. 2,628,503, Feb. 17.

Metzger, Michael H., Eagle River, Wis. Toy doll bedstead. 2,628,372, Feb. 17.

Meyer, Nicolaus, Radolfzell/Baden, Germany. Portable aeration apparatus. 2,628,828, Feb. 17.

Meyerhoefer, Carl E.: See—
Lewyt, Alex M., and Meyerhoefer.

Michaels Art Bronze Company Incorporated, The, assignee: See—
Sanford, Roy S., and Eames.

Michna, Edward N.: See—
Kline, Donald, and Michna.

Mikeška, Peter L., assignor to The Dole Valve Company, Chicago, Ill. Seat for rotary plug valve. 2,628,809, Feb. 17.

Miller, Charles B., Lynbrook, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of fluorocellulose. 2,628,989, Feb. 17.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Multiple spindle gear shaping machine. 2,628,537, Feb. 17.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear generating machine with rack type cutter. 2,628,538, Feb. 17.

Miller, Herman C., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Expansion joint. 2,628,544, Feb. 17.

Miller, John M., and B. Salsberg, Washington, D. C. Filter. 2,629,049, Feb. 17.

Miller, Theodore, and R. H. Webb, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave-guide attenuator and modulator. 2,629,079, Feb. 17.

Mining Process and Patent Company, assignee: See—
Daman, Arthur C.

Minneapolis-Honeywell Regulator Company, assignee: See—
Chudyk, Alex B.

Ludwig, Merle R.

Smith, James W.

Minnesota Mining & Manufacturing Company, assignee: See—
Persoon, Andrew H., and Stebbins.

Minninger, Evelyn S.: See—
Minninger, Frank M., and E. S.

Minninger, Frank M. and E. S., Rochester, Mich. Educational device. 2,628,435, Feb. 17.

Miranda Brothers Trading Corporation, assignee: See—
Amosurrtia, Jesus M.

Mishkin, Charles, Brooklyn, N. Y. Machine for marking a pattern on cloth. 2,628,553, Feb. 17.

Mitan, Edward F., Bellaire, Ohio. Spring lubricating apparatus. 2,628,516, Feb. 17.

Mitcham, Lawrence C., Savannah, Ga. Garden hose nozzle device. 2,628,868, Feb. 17.

Modern Plastic Machinery Corp., assignee: See—
Tornberg, Henning T.

Modern Record Albums, Inc., assignee: See—
Froehlig, Rudolph A.

Modern Telephone Corporation, assignee: See—
Wall, Harry O.

Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Beta-phenyl-gamma-nitroaldehydes. 2,628,980, Feb. 17.

Moeller, William P.: See—
Piperoux, Rene P., Hertz, and Moeller.

Mohn, Henry L., assignor to York-Shipley, Inc., York, Pa. Combustion chamber. 2,628,670, Feb. 17.

Monsanto Chemical Company, assignee: See—
Blake, Edward S.

Buckley, Francis T.

Claver, George C., Jr.

James, William K.

Wilson, William S., and Bump.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Automatic machine tool. 2,628,414, Feb. 17.

Moore, Frank L., Hartford, and W. A. Roberts, Wethersfield, assignors to The Gray Manufacturing Company, Hartford, Conn. Portable sound recording and reproducing machine. 2,628,842, Feb. 17.

Moore, George C., Company, assignee: See—
Siciliano, Samuel F.

Moore, George K., Detroit, Mich. Check valve. 2,628,810, Feb. 17.

Moore, Thomas G., Takoma Park, assignor to American Instrument Company, Inc., Silver Spring, Md. Fluid pressure intensifier. 2,628,872, Feb. 17.

Morgan, Willard L.: See—
Colbert, William H., Weinrich, and Morgan.

Morris, Charles W., Los Angeles, and L. A. Kent, Redondo Beach, Calif.: said Kent assignor to Doak Aircraft Company, Incorporated, Torrance, Calif. Adjustable chair. 2,628,662, Feb. 17.

Morris, John E., Fishkill, and J. R. Roach, Beacon, assignors to The Texas Company, New York, N. Y. Lubricating oils containing metal derivatives of cyclic imides. 2,628,942, Feb. 17.

Morrison, Harold E., assignor to Whirlpool Corporation, St. Joseph, Mich. Delicate goods drier. 2,628,432, Feb. 17.

Morrow, Morris R., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Separation and recovery of naphthenic hydrocarbons from mixtures thereof. 2,628,990, Feb. 17.

Murrow, Walker C., Dearborn, Mich. Timing device. 2,628,460, Feb. 17.

Motorola, Inc., assignee: See—
Dyke, Edwin, and Hoffman.

Mowbray, Douglas T., Waterloo, Iowa. Liquid soap dispenser. 2,628,744, Feb. 17.

Mueller Co., assignee: See—
Mueller, Frank H.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Fluid pressure regulator. 2,628,434, Feb. 17.

Multiscop, Inc., assignee: See—
Masek, Walter F.

Murdoch, John P., Ardmore, Pa. Method and apparatus for buking coro employing an air blast. 2,628,621, Feb. 17.

Murphy, Daniel, New Castle, Pa. Pump apparatus. 2,628,745, Feb. 17.

Murray, William S., Utica, and J. R. Dyer, Jr., Whitesboro, assignors to The Indium Corporation of America, Utica, N. Y. Motor fuel additive. 2,628,895, Feb. 17.

Mutual Engineering Company, Inc., assignee: See—
Schrage, Frederick S.

Myers, John M., Del Norte, Colo. Trocar. 2,628,404, Feb. 17.

N. V. Organon, assignee: See—
Arens, Josef F., and van Dorp.

Nagy, Rudolph, Upper Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lead activated calcium zinc silicate phosphor and making same. 2,628,944, Feb. 17.

Nash-Kelvinator Corporation, assignee: See—
Yaeger, Luther L.

Nathanson, Max, Montreal, Quebec, Canada. Gaseous discharge tube lighting system. 2,629,072, Feb. 17.

National Cash Register Company, The, assignee: See—
Goldberg, Maximilian M.

Goodbar, Mayo A., Placke, and Falkner.

Louder, Warren P.

Sloninger, Bruce K.

National Steel Corporation, assignee: See—
Johnston, Samuel S., and Elswick.

National Supply Company, The, assignee: See—
Spalding, John D.

Naumkeag Steam Cotton Company, assignee: See—
Greene, Chester W.

Navy, United States of America as represented by the Secretary of the, assignee: See—
Adams, Edgar W., Jr.

Eckart, Carl H., and Downs.

Greenough, Maurice L.

Hague, Floyd T.

Hare, Donald G. C.

Klein, Norman E.

Mason, Russell L., Barkson, and McNary.

Miller, Theodore, and Webb.

Rydmark, Josef A., and Pedersen.

Sage, Bruce H., and Lacey.

Nells, Josette M., Milwaukee, Wis. Baby carrier. 2,628,358, Feb. 17.

Nelsen, Karl P., Long Beach, Calif. Seat assembly for pump cages. 2,628,571, Feb. 17.

Nelson, George E., Salem, Wash. Releasable bale hook. 2,628,857, Feb. 17.

New Britain Machine Company, The, assignee: See—
Montgomery, Donald H.

Newby, Thomas H., Middlebury, Conn., assignor to United States Rubber Company, New York, N. Y. Compositions of matter stabilized with isobornyl derivatives. 2,628,933, Feb. 17.

Newell, Sidney W., Danville, assignor to The Union Diesel Engine Company, Oakland, Calif. Control system for diesel engines. 2,628,607, Feb. 17.

Newlyn, Thomas J., Los Angeles, Calif. Cold cream and chemical cream dispensing jar and container with follower resting on a vertical column. 2,628,743, Feb. 17.

Newman, John H., St. Paul, Minn. Tally board. 2,628,776, Feb. 17.

Nits, John W., assignee: See—
Hawkes, Lawrence H.

Norsk Hydro-Elektrisk Kvaestofaktieselskab, assignee: See—
Johnsen, Henry H.

North Bay Leather Goods, assignee: See—
Rognayog, Albert J., Sr.

Null, Clement R., Olney, Ill. Folding bed. 2,628,371, Feb. 17.

Nunheimer, Thomas D., Elkton, Va., assignor to Merck & Co., Inc., Rahway, N. J. Fermentation process. 2,628,931, Feb. 17.

Oak, Noah, assignor of one-half to C. G. Hilton, Lynn, Mass. Fishing rod and reel. 2,628,444, Feb. 17.

O'Brien, Jerry H., Wichita, Kan. Clamp. 2,628,806, Feb. 17.

Oetjen, Robert A., Columbus, Ohio, assignor to the United States of America as represented by the Secretary of the Air Force. Image forming optical reflecting and converging mirror device. 2,628,533, Feb. 17.

Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuit having a reactive load. 2,629,006, Feb. 17.

Olson, Buford W., Hopkins, Minn. Hold down clamp. 2,628,397, Feb. 17.

Olson, Harry F., Princeton, N. J., and D. F. Pennie, Minneapolis, Minn., assignors to Radio Corporation of America. Distortion analyzing apparatus. 2,629,000, Feb. 17.

O'Neill, Louis R.: See—
Herod, Newton S., and O'Neill.

Optical Measuring Tools Limited, assignee: See—
Dietrich, Cornelius F., and Smith.

Orlando, Ruth G., St. Paul, Minn. Child's training chair. 2,628,665, Feb. 17.

Orr, Clifford B., assignor to The General Tire and Rubber Company, Akron, Ohio. Pneumatic tire and making same. 2,628,652, Feb. 17.

Orrick, Harry C., Jr., Cedar Falls, Iowa, assignor, by mesne assignments, to Deere Manufacturing Co. Seat construction, especially for tractors. 2,628,657, Feb. 17.

Orton Crane & Shovel Company, assignee: See—
Orton, Raymond E.

Orton, Raymond E., assignor to Orton Crane & Shovel Company, Chicago, Ill. Rotary hydraulic transmission prime mover control. 2,628,470, Feb. 17.

Oswanna, Fred A., Jr., Austin, Tex. Vending or dispensing machine for cylindrical containers. 2,628,875, Feb. 17.

Ostertag, Harry M., Drexel Hill, assignor to Scott Paper Company, Chester, Pa. Yankee drier. 2,628,433, Feb. 17.

Ostrander, Charles W., Baltimore, Md., assignor to Rheem Manufacturing Company, New York, N. Y. Bright corrosion resistant coating of metals. 2,628,925, Feb. 17.

Owens-Illinois Glass Company, assignee: See—
Griswold, Hugh T.

Politsch, Verney G.

Spalding, Richard O.

Pacific Mills, assignee: See—
Dalton, John N., and Ploubides.

Packard, Edward F., Detroit, assignor to W. E. Harrer, Southfield, Mich. Burring tool. 2,628,513, Feb. 17.

Packman, Eugene H., Kitchener, Ontario, Canada. Ventilated baby carriage hood. 2,628,862, Feb. 17.

Palassolo, Rosario, Bronx, N. Y. Attachment for automobiles. 2,628,812, Feb. 17.

Pallet Devires, Inc., assignee: See—
Budd, Larry J.

Palmer Manufacturing Corp., assignee: See—
Palmer, Oscar C., and Schmoll.

Palmer, Martin H., El Portal, Calif. Water bag carrier. 2,628,750, Feb. 17.

Palmer, Oscar C., and W. J. Schmoll, assignors to Palmer Manufacturing Corp., Phoenix, Ariz. Gas burner and port-forming grid. 2,628,675, Feb. 17.

Pape, Harry E.: See—
Lowe, William H., and Pape.

Parke, Davis & Company, assignee: See—
Jacob, Robert M., and Robert.

Parker Pen Company, The, assignee: See—
Chapman, Dave.

Parrish, Charles L., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Olefinic inter-polymer and making same. 2,628,955, Feb. 17.

Parrish, Wilbur G., Chicago, Ill. Coin-control mechanism for vending machines. 2,628,698, Feb. 17.

Parsons, Critchell, Silver Spring, Md., assignor to The Engineering Development Company, Incorporated. Screen arrangement for use in conjunction with oil well drilling turbines. 2,628,819, Feb. 17.

Pask, Joseph A., Concord, Calif., and C. M. Slack, Glen Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multifaceted envelope and making. 2,629,093, Feb. 17.

Paul, Harry, Coventry, assignor to Courtaulds Limited, London, England. Antistatic textile treating composition of triethanolamine-aliphatic carboxylic acid salts. 2,628,937, Feb. 17.

Payne, Ralph W., Washington, D. C., assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 2,628,784, Feb. 17.

Payne, Robert E., Bywood, Upper Darby, Pa., assignor to The Sharples Corporation. Apparatus for analyzing the particle size distribution of a powder sample. 2,628,787, Feb. 17.

Pedersen, Haakon O.: See—
Rydmark, Josef A., and Pedersen.

Pedrick, Irene P., Ardmore, assignor to Sellers Injector Corporation, Philadelphia, Pa. Selective type operator for multiple valve assemblies. 2,628,637, Feb. 17.

Penley, Ralph H., Salisbury, N. C. Envelope inader. 2,628,465, Feb. 17.

Pennie, Donald F.: See—
Olson, Harry F., and Pennie.

Pennsylvania Salt Manufacturing Company, The, assignee: See—
Earnest, William K., and Karr.

Perkin-Elmer Corporation, The, assignee: See—
Baker, James G.

Perkins, John J., assignor to American Sterilizer Company, Erie, Pa. Sterilizing methods. 2,628,887, Feb. 17.

Perry, George L.: See—
Adelson, David E., Perry, and Pritzker.

Pernoon, Andrew H., St. Paul, and C. F. Stebbins, Minneapolis, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Method and apparatus for transferring a magnetic sound track to movie film. 2,628,929, Feb. 17.

Peters, Fred, deceased, Hawthorne, and F. J. Hanback, Los Angeles, Calif.: V. V. Peters, executrix of said F. Peters. Automatic traffic signal. 2,628,587, Feb. 17.

Peters, Melville F., East Orange, N. J. Spark plug testing unit. 2,629,001, Feb. 17.

Peters, Philip H., Jr., Schenectady, N. Y., assignor to General Electric Company. Variable electronic capacitance device. 2,629,030, Feb. 17.

Peters, Verna V., executrix: See—
Peters, Fred, and Hanback.

Peterson Products Corporation, assignee: See—
Kline, Donald, and Michna.

Peyches, Ivan, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Preparing perforate bodies. 2,628,417, Feb. 17.

Pfaff, William C., Chicago, Ill. Stuffing box gland. 2,628,853, Feb. 17.

Phileo Corporation, assignee: See—
Zearfoos, Elmer W., Jr.

Phillips, Herbert J., Jr., Kaneville, Ill. Baler tension adjusting mechanism. 2,628,534, Feb. 17.

Phillips Petroleum Company, assignee: See—
De Molabianc, Deslonde R.

Graham, Tom S.

Kleiss, Louis D.

Whitney, William B.

Platt, Alvin R., Burbank, Calif. Winding and reeling mechanism for electrical cables. 2,629,027, Feb. 17.

Pike, Merriam B., New York, N. Y., assignor to Russell M. Seeds Company, Chicago, Ill. Vanity. 2,628,625, Feb. 17.

Pilkington Brothers Limited, assignee: See—
Pye, George T., and Jones.

Piperoux, Rene P., Radburn, N. J., and D. B. Hertz, New York, and W. P. Moeller, Baldwin, N. Y., assignors to Celanese Corporation of America. Moving-fluid-stream pulverizing apparatus with screened discharge. 2,628,786, Feb. 17.

Ploué, Haudlin J., Marianan, Habana, Cuba. Hydrodynamic transmission. 2,628,509, Feb. 17.

Placke, Everett H.: See—
Goodbar, Mayo A., Placke, and Falkner.
Plata, Roberto G., Roslyn, and A. Ramos, Maspeth, assignors to A. Vialut, New York, N. Y. Apparatus for wrapping one length of material with another. 2,628,464, Feb. 17.
Ploubiden, John P.: See—
Dalton, John N., and Ploubiden.
Pollette Corsets, Inc., assignee: See—
Laguzzi, Mario.
Politsch, Verney G., Alton, Ill., assignor to Owens-Illinois Glass Company. Glass level gauge and recorder. 2,628,428, Feb. 17.
Porter, Lee M.: See—
Raley, John H., Vaughan, and Porter.
Post-Glover Electric Company, The, assignee: See—
Yingst, Paul V.
Poth, John, Mount Vernon, N. Y. Refrigerator construction. 2,628,388, Feb. 17.
Politz, Carl H.: See—
Booth, Vilma E., Bergeson, and Potta.
Power-Gas Corporation Limited, The, assignee: See—
Chaplin, Gilbert.
Powers, Felix W., Pasadena, and A. Lundin, Huntington Park, Calif. Defrosting system. 2,628,479, Feb. 17.
Powers, James H., Westport, Conn., assignor to General Electric Company. Tandem bearing assembly and lubrication therefor. 2,628,871, Feb. 17.
Prentice, John M., assignor to Logan Co., Inc., Louisville, Ky. Side-tilting conveyor. 2,628,697, Feb. 17.
Pritzker, George G.: See—
Adelson, David E., Perry, and Pritzker.
Procter Electric Company, assignee: See—
Hildale, John H.
Provenzano, Gaetano, Haledon, N. J. Cooling system for internal-combustion engines. 2,628,601, Feb. 17.
Pruett, Clarence O.: See—
Givens, Reuben H., Jr., and Pruett.
Publication Corporation, assignee: See—
Kott, Hermann.
Purchas, William J., Jr., and C. W. Truxell, Jr., Grand Rapids, assignors to General Motors Corporation, Detroit, Mich. Fuel injection pump. 2,628,866, Feb. 17.
Purchas, William J., Jr., Grand Rapids, assignor to General Motors Corporation, Detroit, Mich. Duplex nozzle. 2,628,867, Feb. 17.
Putnam, Homer M., Jr.: See—
Fairbairn, George C., and Putnam.
Pye, George T., Prescott, and H. G. Jones, Saint Helena, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for detaching and removing a sheet from an upwardly traveling ribbon of glass. 2,628,453, Feb. 17.
Quin, Denis C.: See—
Aller, Basil V., Hall, Quin, and Turck.
Quinlan Pretzel Company, Inc., assignee: See—
Gipe, Harrison S.
Radben, Ellis L., Norfolk, Va. Ophthalmic lens device in welder's hood. 2,628,530, Feb. 17.
Radio Corporation of America, assignee: See—
Gluyas, Thomas M., Jr., and Schneider.
Inna, Harley.
Kilgore, Joseph R.
Lindenblad, Nils E.
Olson, Harry F., and Pennie.
Roberts, Walter van R.
Radtke, Edward W., Manchester, and W. E. Diefenderfer, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller electrical connector system. 2,628,794, Feb. 17.
Rabourn, Paul, Southport, Conn. Producing colored photographs. 2,628,902, Feb. 17.
Rall Joint Company, The, assignee: See—
Payne, Ralph W.
Raizen, Charles S., New Rochelle, N. Y. Bubble-producing toy. 2,628,449, Feb. 17.
Raley, John H., Walnut Creek, W. E. Vaughan, Berkeley, and L. M. Porter, Richmond Annex, assignors to Shell Development Company, San Francisco, Calif. Separation of hydrogen halides from olefinically unsaturated compounds. 2,628,934, Feb. 17.
Ramage, John H., deceased, Bloomfield, N. J., by The Bloomfield Bank and Trust Co., executor, Bloomfield, N. J., and R. D. Mallin, Park Forest, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of machineable molybdenum. 2,628,926, Feb. 17.
Ramos, Angel: See—
Plata, Roberto G., and Ramos.
Ramsey, Paul A., Altona, Kans. Drag controlled means for raising the blades of gang type disk plows. 2,628,548, Feb. 17.
Randall, David I., and N. W. Solonen, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Leuco ester printing compositions and solubilizers therefor. 2,628,892, Feb. 17.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Pulp molding machine and process. 2,628,540, Feb. 17.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Molded pulp wad. 2,628,560, Feb. 17.
Rankin, Leslie, Company, assignee: See—
Willis, John S.
Ransom, Clark W., Schenectady, N. Y. Vented nursing nipple. 2,628,618, Feb. 17.
Raphael, Walter, assignor of one-half to B. Bergman, New York, N. Y. Electric lock structure. 2,629,020, Feb. 17.
Raytheon Manufacturing Company, assignee: See—
Gottschalk, Winston M., and Chaffee.
La Rue, Albert D.
Reed, John.
Reed, John, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electromagnetic wave filtering device. 2,629,015, Feb. 17.
Reeve, Robert E., Tracy, Calif. Milk transfer unit for automatic milking machines. 2,628,389, Feb. 17.
Reid, Allen F., Dallas, Tex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for fractional sublimation. 2,628,892, Feb. 17.
Reid, Patricia, Chicago, Ill. Pedicure device. 2,628,623, Feb. 17.
Remington Arms Company, Inc., assignee: See—
Turner, John R.
Republic Steel Corporation, assignee: See—
Schaefer, Frederick R.
Research Corporation, assignee: See—
Draper, Charles S., and Li.
Reuter, Gottfried, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Hydraulically operated tractor shovel. 2,628,731, Feb. 17.
Reuther, Harold H., Chester, Pa. Rotor means for helicopters and the like. 2,628,683, Feb. 17.
Reutter, John G.: See—
Hungerford, Churchill, Jr., and Reutter.
Rheem Manufacturing Company, assignee: See—
Gastrander, Charles W.
Rhine, Marvin L., assignor to Ellipse Corporation, Chicago, Ill. High-pressure pump. 2,628,568, Feb. 17.
Rhome, Jesse P., Moundsville, and L. D. Curtiss, McMechen, W. Va., assignors to Louisa Marx & Company, Inc., New York, N. Y. Toy fence. 2,628,823, Feb. 17.
Richard, Ralph W., Jacksonville, Fla. Pocket clip. 2,628,393, Feb. 17.
Richardson, Eytzel J., executrix: See—
Hester, Levi C.
Richardson, Ronald H.: See—
Wilson, Thomas H., and Richardson.
Richardson, William C., near Electra, Tex. Fluid operated reciprocating pump for drilled wells. 2,628,563, Feb. 17.
Rieber, Frank, deceased, New York, N. Y., by L. G. Rieber, executrix, New York, N. Y., assignor to Geovision Incorporated. Dynamic scanning system. 2,628,689, Feb. 17.
Rieber, Lu O., executrix: See—
Rieber, Frank.
Riel, Robert R., and R. A. Claassen, Wabash, Ind., assignors to The General Tire and Rubber Company, Akron, Ohio. V belt and making same. 2,628,505, Feb. 17.
Ries, Edward J., assignor to Ritter Company, Inc., Rochester, N. Y. Dental chair footrest. 2,628,658, Feb. 17.
Rifkin, Jacob L., Sunnyside, N. Y. Direct-reading photoelectric exposure meter. 2,628,527, Feb. 17.
Ringgenberg, Herman I., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons with the aid of a solid catalyst. 2,628,932, Feb. 17.
Ritter Company, Inc., assignee: See—
Ries, Edward J.
Roach, James R.: See—
Morris, John R., and Roach.
Robbins & Myers, Inc., assignee: See—
Lloyd, Tom C., and Chang.
Robert, Jacques G.: See—
Jacob, Robert M., and Robert.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. High gain selective signal amplifier system. 2,629,025, Feb. 17.
Roberts, Willard A.: See—
Moore, Frank L., and Roberts.
Robertshaw-Fulton Controls Company, assignee: See—
Hanson, Charles D.
Strobel, Charles K.
Robertson, Donald D., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coordinate selecting and lock-out circuit for interpolated speech transmission. 2,629,020, Feb. 17.
Robertson, Donald D., Morristown, and A. V. Wurmer, Mount Bethel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coordinate switching and lock-out circuit in interpolated speech receiving system. 2,629,021, Feb. 17.
Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,629,055, Feb. 17.
Robinson, Maurice C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Electrical circuit for a transmission and clutch control apparatus. 2,628,696, Feb. 17.
Rochlin, Raymond, New York, N. Y. Rotatable and reversible heel element. 2,628,439, Feb. 17.
Rodger, William R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Nonsquealing bonded brake shoe. 2,628,693, Feb. 17.

Roemer, Louise E., assignee: See—
Tomkins, John E.
Roemer, Ralph R., assignee: See—
Tomkins, John E.
Rogers, Edmund, South Euclid, assignor to The Ronor Corporation, Cleveland, Ohio. Aerosol paint spraying device. 2,628,864, Feb. 17.
Rogers, Richard B., Orlando, Fla. Mounting for tilt-up type garage doors. 2,628,385, Feb. 17.
Rognsvog, Albert J., Sr., assignor to North Bay Leather Goods, Racine, Wis. Luggage handle and method of manufacturing the same. 2,628,665, Feb. 17.
Rohmer, Frank D., San Francisco, Calif. Fruit and vegetable reaming and juicing device. 2,628,647, Feb. 17.
Ronor Corporation, The, assignee: See—
Rogers, Edmund.
Rosenberg, Edward: See—
Kantor, James, and Rosenberg.
Rosenberry, Wm. K., assignee: See—
Heikes, Norman L.
Rosenfield, Arthur M., and J. J. Goldklang, Brooklyn, N. Y. Brassiere. 2,628,356, Feb. 17.
Romer, Joseph Jr., Speedway City, Ind. Denture pad. 2,628,425, Feb. 17.
Rosa, Alexander H., Lakeside Park, Ky., assignor, by mesne assignments, to Emhart Manufacturing Company. Adjustable conveyor for cartoning machines. 2,628,542, Feb. 17.
Rosa, Loren A., Richmond, Calif. Combined mirror and direction indicator for vehicles. 2,629,087, Feb. 17.
Rostek, Vincent R., Philadelphia, Pa. Combination gas and electric hot-water heater with heat absorber-transmitter in the flue. 2,628,597, Feb. 17.
Roth, Ernest J., Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Doughnut former. 2,628,578, Feb. 17.
Rothenbaum, Herbert E.: See—
Thompson, Frank, and Rothenbaum.
Rottig, Walter, Oberhausen-Sterkrade-Nord, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Iron catalyst for the hydrogenation of carbon monoxide. 2,628,909, Feb. 17.
Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Rotary take-up lock stitch machine. 2,628,583, Feb. 17.
Rubinstein, Matthew N., and S. Caplin, assignors to Auto-Wrap Corporation, New York, N. Y. Ready wrapper. 2,628,764, Feb. 17.
Ruh, Robert P., assignor to The Dow Chemical Company, Midland, Mich. 1,3-dichloro-2,3,3-trifluoropropene. 2,628,987, Feb. 17.
Ruh, Robert P., assignor to The Dow Chemical Company, Midland, Mich. 1,1,3-trichloro-3,3-difluoropropene. 2,628,988, Feb. 17.
Ruhrchemie Aktiengesellschaft, assignee: See—
Rottig, Walter.
Rula, Joseph J., assignor to Basic Refractories, Inc., Cleveland, Ohio. Calcining apparatus. 2,628,829, Feb. 17.
Ryden, Carl E., Seattle, Wash. Hunter's belt. 2,628,749, Feb. 17.
Rydmark, Josef A., Lansdowne, and H. O. Pedersen, Philadelphia, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gas turbine power plant. 2,628,766, Feb. 17.
Ryerson, Theodore M., assignee: See—
Collins, Calhoun.
Sackett, A. J., & Sons Company, The, assignee: See—
Sackett, Walter J.
Sackett, Walter J., assignor to The A. J. Sackett & Sons Company, Baltimore, Md. Delivery for pulverized material. 2,628,724, Feb. 17.
Safir, Jacob A., Forest Hills, N. Y. Hypodermic injection device. 2,628,615, Feb. 17.
Sage, Bruce H., and W. N. Lacey, Altadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Propellant powder grain for rocket motors. 2,628,561, Feb. 17.
Salomone, Rynold A., and C. B. Turton, Plainville, Conn., assignors, by mesne assignments, to General Electric Company. Feed-in and junction box for bus bar duct systems. 2,628,697, Feb. 17.
Salzberg, Bernard: See—
Miller, John M., and Salzberg.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making universal joints. 2,628,416, Feb. 17.
Sandefur, Leon H., Des Moines, Iowa. Means for calibrating liquid level measuring sticks. 2,628,493, Feb. 17.
Sanders, Paul A., Wilmington, and J. R. Vincent, Newport, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene hydrocarbon elastomers having improved light stability. 2,628,952, Feb. 17.
Sanderson, Robert T., Fishkill, assignor to The Texas Company, New York, N. Y. Polyester synthetic lubricants. 2,628,974, Feb. 17.
Sanford Investment Company, assignee: See—
McCallen, Perry S., and Jones.
Sanford, Roy S., Woodbury, and J. O. Eames, Washington, Conn., assignors, by mesne assignments, to The Michaels Art Bronze Company Incorporated, Covington, Ky. Parking meter mechanism. 2,628,699, Feb. 17.
Scaff, Eli C., La Junta, Colo. Toilet bowl brush. 2,628,381, Feb. 17.
Scalera, Mario, Somerville, W. B. Hardy, Bound Brook, and J. J. Leavitt, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of naphthostyris. 2,628,664, Feb. 17.
Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Making coil containers. 2,628,463, Feb. 17.
Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Coil container. 2,628,714, Feb. 17.
Sebalch, Wilbur A., Springfield, Mass. Gas-operated automatic firearm with forwardly moving barrel. 2,628,536, Feb. 17.
Scherer, John O., assignor to R. P. Scherer Corporation, Detroit, Mich. Preparing molten gelatin solution. 2,628,916, Feb. 17.
Scherer, R. P., Corporation, assignee: See—
Scherer, John O.
Schmidt, Job, and F. Frieleinghaus, assignors to Westfalen-Hütte Dortmund Aktiengesellschaft, Dortmund, Germany. Reeling furnace for hot band rolling. 2,628,790, Feb. 17.
Schmoll, William J.: See—
Palmer, Oscar C., and Schmoll.
Schneider, Frederick H.: See—
Gluyas, Thomas M., Jr., and Schneider.
Schneider, Helmut G., Westfield, N. J., W. C. Van Sieten, Douglaston, N. Y., and P. W. Hakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company. Removal of boron fluoride from reactive hydrocarbons. 2,628,991, Feb. 17.
Schrage, Frederick S., Rock Island, Ill., assignor to Mutual Engineering Company, Inc., Davenport, Iowa. Conveyor. 2,628,701, Feb. 17.
Schultz Die Casting Company, assignee: See—
Holmes, Burton F., and Helndel.
Schultz, Max M., Detroit, Mich. Night stand. 2,628,879, Feb. 17.
Schwahn, Frederick J., Hillsdale, N. J., assignor to American Cyanamid Company, New York, N. Y. Acid-resistant ultramarine pigment and preparation thereof. 2,628,920, Feb. 17.
Seofield, Paul C., Glendale, and F. H. Green, assignors to The Garrett Corporation, Los Angeles, Calif. Means for maintaining unrestricted flow of refrigerating air through ducts or the like. 2,628,481, Feb. 17.
Scott, John W., Jr.: See—
Eagle, Same, and Scott.
Scott Paper Company, assignee: See—
Ontetax, Harry M.
Scott & Williams, Incorporated, assignee: See—
Thompson, Ralph E.
Seovill Manufacturing Company, assignee: See—
Fling, Osborne.
Sonntag, Karl F.
Scribner, William H., Tompkins County, N. Y. Egg washer and drier. 2,628,376, Feb. 17.
Searle, G. D., & Co., assignee: See—
Cusick, John W.
Seede, John A., Schenectady, N. Y. Power transmission. 2,629,062, Feb. 17.
Seeds, Russell M., Company, assignee: See—
Pike, Merriam H.
Seeger Refrigerator Company, assignee: See—
Ayres, Russell W., and Swanson.
Seismograph Service Corporation, assignee: See—
Hawkins, James E.
Selek, Walter E., and Company, assignee: See—
Drain, Herbert D.
Sellers Injector Corporation, assignee: See—
Pedrick, Irene P.
Servomechanisms, Inc., assignee: See—
Dale, Joseph B.
Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Guillotine knife-automatic electrical back gauge. 2,628,680, Feb. 17.
Shackelsohl, Anthony, Avonmore, Pa. Slack adjuster for conveyors. 2,628,707, Feb. 17.
Shalda, Louise T., Los Angeles, Calif. Garment construction. 2,628,359, Feb. 17.
Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Time delay means for controlling fluid pressure in electric cable systems. 2,628,965, Feb. 17.
Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Decomposition of hydrocarbons. 2,628,860, Feb. 17.
Sharples Corporation, The, assignee: See—
Payne, Robert E.
Sheak, Dorothy H., administratrix: See—
Sheak, Elton F.
Sheak, Elton F., deceased, North Lawrence, Ohio; D. B. Sheak, administratrix. Pipe puller. 2,628,820, Feb. 17.
Shell Development Company, assignee: See—
Adelson, David E., Perry, and Pritzker.
Raley, John H., Vaughan, and Porter.
Wallace, Edwin G., and Menn.
Winkler, De Losa E., and Finch.
Shelton, Thomas M., Glendale, Calif. Smoke ring projector. 2,628,450, Feb. 17.
Sberman, Ilmar C., Chattanooga, Tenn. Wire rope sleeve twisting device. 2,628,653, Feb. 17.

Sherman, Harry, Waban, M. A. Silverman, Newton Center, and H. Liberman, Belmont, Mass. Wick-type liquid fuel hand torch having wick-fed retort. 2,628,671, Feb. 17.

Shields, Robert A.: See—
Ericson, George R., and Shields.

Shoemaker, Bernard H.: See—
Burney, Donald E., and Shoemaker.

Shoemaker, George H., Brooklyn, N. Y., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Selenium cell and manufacturing the same. 2,629,039, Feb. 17.

Shomber, Kerlan J., Oakland, Calif., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member or furniture glide. 2,628,384, Feb. 17.

Shottenfeld, Richard, Jamaica, assignor to Ensign Ribbon Burners, Inc., Pelham Manor, N. Y. Spark responsive safety control system for gas burners. 2,628,676, Feb. 17.

Silchiano, Samuel F., assignor to George C. Moore Company, Westbury, R. I. Weft detector for looms. 2,628,641, Feb. 17.

Sider, Frances, New York, N. Y. Strapless brassiere. 2,628,357, Feb. 17.

Silva, Arthur S., Taunton, Mass., assignor to Swank, Inc. Wallet from one-piece of material. 2,628,650, Feb. 17.

Silverman, Myer A.: See—
Sherman, Harry, Silverman, and Liberman.

Silverstein, Austin G., Schoenectady, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Hydraulically operated speed governor for jet engines with electrically operated safety device. 2,628,672, Feb. 17.

Simonian, Gerald, and R. H. Lokert, Fresno, Calif. Food package holder and dispenser. 2,628,878, Feb. 17.

Sinclair Refining Company, assignee: See—
Ringgenberg, Herman I.

Skidmore, Frank: See—
Gordon, Cecil, and Skidmore.

Skilling, Edwin E., assignor to International Tool Corporation, Chula Vista, Calif. Sleeve extractor. 2,628,420, Feb. 17.

Slack, Charles M.: See—
Pask, Joseph A., and Slack.

Slatter, Brian H., and T. G. Dalish, assignors to Armstrong Sledge Motors Limited, Coventry, England. Control for constant-speed, variable-pitch propellers. 2,628,684, Feb. 17.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism. 2,628,557, Feb. 17.

Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sales book holder. 2,628,878, Feb. 17.

Smalley, Hurl M., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Insulator support. 2,628,805, Feb. 17.

Smalley, Daniel F., Battle Creek, Mich. Rotary block game apparatus. 2,628,838, Feb. 17.

Smith, Alonzo L., Houston, Tex. Drilling rate indicating device. 2,628,498, Feb. 17.

Smith, Griffith M., Richmond Heights, Mo. Enclosed retractable dress form. 2,628,747, Feb. 17.

Smith, Harry J.: See—
Dietrich, Cornelius F., and Smith.

Smith, Henry A., Mechanicsburg, Ohio. Hog watering tank. 2,629,040, Feb. 17.

Smith, James W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic amplifier. 2,629,073, Feb. 17.

Smith, John D., Audubon, N. J., assignor to Horn & Hardart Company of New York, New York, N. Y. Coin collector. 2,628,772, Feb. 17.

Smith, Robert L., assignor of one-sixth to W. H. Denn, and one-sixth to A. B. Bowman, San Diego, Calif. Smoking pipe. 2,628,622, Feb. 17.

Smithson, John T., Vancouver, British Columbia, Canada. Lateral and longitudinal adjustable shoe tree. 2,628,375, Feb. 17.

Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Crey, assignee: See—
Peychev, Ivan.

Societe d'Electricite Mors, assignee: See—
Le Goff, Lucien J. A.

Societe dite: Centre D'Etudes M.B.A., assignee: See—
Jasse, Raymond.

Socony-Vacuum Oil Company, Incorporated, assignee: See—
Butcock, Richard A.

Solar Aircraft Company, assignee: See—
Heath, Donald P.

Solomon, Leon R.: See—
Wosika, Leon R.

Solonen, Nicholas W.: See—
Randall, David I., and Solonen.

Somers, Richard M.: See—
Dann, Charles W., and Somers.

Sonntag, Karl F., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Key retainer. 2,628,492, Feb. 17.

Sorensen & Company, Inc., assignee: See—
Helterline, Leo L., Jr.

Spalding, John D., Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drumshaft assembly. 2,628,814, Feb. 17.

Spalding, Richard O., Toledo, Ohio, assignor to Owens-Illinois Glass Company, Canton. 2,628,762, Feb. 17.

Specialties Development Corporation, assignee: See—
Wentz, Edward A.

Speck, Stanley B.: See—
Lauchus, Joseph F., and Speck.

Speicher, Carl F. and M. E., assignors to Cellina Farm Tools, Inc., Celina, Ohio. Loading attachment for tractors. 2,628,730, Feb. 17.

Speicher, Marrus E.: See—
Speicher, Carl F. and M. E.

Sperry Corporation, The, assignee: See—
De Westfelt, Gerard P.

Stalker, Edward A., Bay City, Mich. Automatic and manual control of aircraft. 2,628,793, Feb. 17.

Standard Oil Company, assignee: See—
Burney, Donald E., and Shoemaker.

Standard Oil Development Company, assignee: See—
Cyphers, Elmer H., and Waddey.

Holder, Clinton H.
Johnson, Russell R.
Morrow, Morris R.
Schnelder, Helmut G., Van Sclen, and Brakeley.
Stone, Albert L.

Standard Pressed Steel Co., assignee: See—
Bennett, Frank.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread storage reel. 2,628,410, Feb. 17.

Stanton, Allen A., Seattle, Wash. Forming edge for overstuffed furniture. 2,628,667, Feb. 17.

Starck, Arthur M., Norwalk, Conn. Window construction. 2,628,390, Feb. 17.

Stebbins, Chester F.: See—
Persoon, Andrew H., and Stebbins.

Stein, Alfred, New York, N. Y. Automatic toilet flush device. 2,628,363, Feb. 17.

Stelmets, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Self-cleaning grooved rubber covered pulley. 2,628,709, Feb. 17.

Stelmach, Raymond C., Harvey, Ill. Ventilator and sun shield. 2,628,549, Feb. 17.

Stevens, Collis F., Millenbeck, Va. Packing stand. 2,628,760, Feb. 17.

Stevenson, Allan B., assignor to American Reinforced Paper Company, Attleboro, Mass. Manufacture of creped paper. 2,628,656, Feb. 17.

Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Hydraulically actuated supply and exhaust valve system. 2,628,635, Feb. 17.

Stiehm, Glen W., assignor to Jewett & Sherman Company, Milwaukee, Wis. Food package having insertable food article support. 2,628,914, Feb. 17.

Stockton, Ray F. Wire Products Co., Inc., assignee: See—
Stockton, Raymond F.

Stockton, Raymond F., Sunland, assignor to Ray F. Stockton Wire Products Co., Inc., Burbank, Calif. Making wire lath. 2,628,642, Feb. 17.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for racking pipe in derricks. 2,628,725, Feb. 17.

Stratta, Louis M., Watervliet, N. Y. Coat hanger extension pad. 2,628,748, Feb. 17.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety control and ignition apparatus for gaseous fuel burners. 2,628,677, Feb. 17.

Stubler, Raymond A., Las Vegas, Nev. Pivoted tire bead loosening tool with diametrically and axially opposed pressure elements. 2,628,669, Feb. 17.

Sturgess Inc., assignee: See—
Cushman, Clifford E.

Sullivan, Frederick W., Jr., Summit, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of olefin oxides. 2,628,965, Feb. 17.

Summerville, Donald V., Fort Erie, Ontario, Canada. Releasable conduit connection with automatic valving. 2,628,850, Feb. 17.

Sutphin, Elmer E., Pulaski, Va. Bobbin holder for looping machines. 2,628,579, Feb. 17.

Swank, Inc., assignee: See—
Silva, Arthur S.

Swanson, Donald F.: See—
Ayres, Russell W., and Swanson.

Swanson, Dorothea S., executrix: See—
Mahan, Lynn C.

Swarthout, Stanley H., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Electric motor. 2,629,061, Feb. 17.

Tanner, Charles A., Jr., Collingswood, and D. C. Hall, Ronnemede, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of titanium dioxide pigments. 2,628,919, Feb. 17.

Taylor and Company, assignee: See—
Laube, Edward, Jr.

Taylor, Russell C., and L. J. Vincent, Granite City, assignors to American Steel Foundries, Chicago, Ill. Accelerometer. 2,629,030, Feb. 17.

Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrohydraulic servo unit. 2,628,594, Feb. 17.

Tellaud, Gaston Q., West Chicago, Ill. Cosmetic make-up template. 2,628,626, Feb. 17.

Teletone Radio Corporation, assignee: See—
Fogel, Henry.

Terwilliger, David D., Baltimore, H. Masur, Baltimore County, and L. L. Jackson, Jr., Towson, assignors to The Glenn L. Martin Company, Middle River, Md. Gun control system. 2,628,535, Feb. 17.

Texas Company, The, assignee: See—
Fairbairn, George C., and Putnam.

Maila, Jay B.
Morris, John R., and Roach.
Sanderson, Robert T.

Therrien, Robert F., Toledo, Ohio. Expandable pipe-cleaning knife. 2,628,380, Feb. 17.

Thompson, Frank, and H. E. Rotenbaum, Denver, Colo. Chair on tracks. 2,628,664, Feb. 17.

Thompson, Ralph E., Brookline, Mass., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stocking and making the same. 2,628,487, Feb. 17.

Timpner, Fred F.: See—
Jones, John F., Timpner, and Juvinall.

Tinker, Leo H., San Gabriel, Calif. Device for applying test voltage to pipe coating. 2,629,002, Feb. 17.

Titus, Thomas L., Cheyenne, Wyo. Beverage maker. 2,628,553, Feb. 17.

Tompkins, John E., assignor of thirty-one hundredths to R. R. Roemer, thirty-five one hundredths to I. E. Roemer, Cleveland, twenty-five one hundredths to W. R. Klefer, Gates Mills, and ten one hundredths to said J. E. Tompkins, Cleveland, Ohio. Wood sawing machine. 2,628,643, Feb. 17.

Tornberg, Hennig T., Ridgewood, assignor to Modern Plastic Machinery Corp., Lodi, N. J. Web extrusion die. 2,628,386, Feb. 17.

Tonlin, Harry A., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Method and apparatus for dehydration. 2,628,485, Feb. 17.

Tortelotte, William E., Burlingame, Calif. Window construction. 2,628,391, Feb. 17.

Tucker, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing vinyl chloride-styrene copolymers. 2,628,957, Feb. 17.

Truxell, Clyde W., Jr.: See—
Purchas, William J., Jr., and Truxell.

Turck, Karl H. W.: See—
Aller, Basil V., Hall, Quin, and Turck.

Turner, John R., Glen Mills, Pa., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metal shaping machine. 2,628,584, Feb. 17.

Turton, Cecil B.: See—
Salomone, Rynold A., and Turton.

Twentieth Century Fox Film Corporation, assignee: See—
Leslie, Fred D., and Briggs.

Uhlrig, Harry W., Stratford, Conn., assignor to General Electric Company. Electric fan having a resiliently supported motor. 2,628,771, Feb. 17.

Ulrich, Julius M., Old Greenwich, Conn. Internal-combustion engine. 2,628,603, Feb. 17.

Union Carbide and Carbon Corporation, assignee: See—
Eramus, Hendrik de W., and Forgens.

Uilly, Donald C.
Wylard, Ray O., Jr.

Union Diesel Engine Company, The, assignee: See—
Newell, Sidney W.

Union Special Machine Company, assignee: See—
Rudel, Charles F.

United Aircraft Corporation, assignee: See—
Allen, Arthur N., Jr.
Bulvid, Michel D.
Diefenderfer, William E.
Diefenderfer, William E., and Allen.
Radtke, Edward W., and Diefenderfer.

United Carbon Company, Inc., assignee: See—
Fore, Calvin H.

United-Carr Fastener Corporation, assignee: See—
Shomber, Kerlan J.

United States Atomic Energy Commission, United States of America as represented by the, assignee: See—
Herod, Newton S., and O'Neill.

Reid, Allen F.

United States Rubber Company, assignee: See—
Brown, Robert W.
Carlin, Frank J.
Miller, Herman C.
Newby, Thomas H.

Urban, Howard S., Brooklyn, N. Y. Mobile cot. 2,628,369, Feb. 17.

Vacuum Concrete, Inc., assignee: See—
Hillner, Karl P.

Vallie Corporation, assignee: See—
McElhinney, Thomas R., and Woodruff.

Valyl, Emerik I., assignee: See—
Valyl, Ilse E.

Valyl, Ilse E., assignor to E. I. Valyl, New York, N. Y. Replica for use in the production of refractory molds. 2,628,394, Feb. 17.

Van Brunt, John, Flushing, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam generator. 2,628,598, Feb. 17.

Van Dorp, David A.: See—
Arens, Josef F., and van Dorp.

Van Eps, George, Burbank, Calif. Guitar damper. 2,628,524, Feb. 17.

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Van Schie, Robert, Grand Rapids, Mich. Sheet metal feeder. 2,628,726, Feb. 17.

Van Sclen, William C.: See—
Schnelder, Helmut G., Van Sclen, and Brakeley.

Vaughan, William E.: See—
Raley, John H., Vaughan, and Porter.

Veeder-Root, Incorporated, assignee: See—
Illias, Harvey N.

Vera, Edward F., assignor to Hava Development Co., Inc., New Bedford, Mass. Method and apparatus for cutting synthetic fiber fabrics. 2,628,412, Feb. 17.

Vlaunt, Albert, assignee: See—
Plata, Roberto G., and Ramos.

Vincent, Edwin E.: See—
De Lancey, Warren H., and Vincent.

Vincent, John R.: See—
Sanders, Paul A., and Vincent.

Vincent, Le Roy J.: See—
Taylor, Russell C., and Vincent.

Vinton, John, San Francisco, Calif. Signal flare composition. 2,628,897, Feb. 17.

Vischer, Alfred, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to A. Vischer, Jr., two-thirtieths to W. Vischer, two-thirtieths to A. Vischer, Ill., two-thirtieths to A. Vischer, Jr., as trustee, four-thirtieths to W. W. Zitzewitz, four-thirtieths to E. K. Zitzewitz, one-thirtieth to G. J. Zitzewitz, one-thirtieth to B. O. Zitzewitz, and two-thirtieths to G. V. Bouton. Container closure. 2,628,739, Feb. 17.

Vischer, Alfred, Ill., assignee: See—
Vischer, Alfred, Jr.

Vischer, William, assignee: See—
Vischer, Alfred, Jr.

Voegeli, Roland-Carlo, Coltrin, Switzerland, assignor to The Glvaudan Corporation. Preparation of partial esters of polyhydric alcohols with carboxylic acids. 2,628,967, Feb. 17.

Von Glahn, William H., Loudonville, and H. A. Bergstrom, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Making stabilized diazonium salts. 2,628,959, Feb. 17.

Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Cooling system for double seals. 2,628,852, Feb. 17.

Waddey, Walter E.: See—
Cyphers, Elmer B., and Waddey.

Wagner, Fritz F., Bremen-Obernuland, Germany. Managing device. 2,628,611, Feb. 17.

Wahl, Eugene A., Garden City, N. Y., W. Boehl, Union, and O. A. Badenhausen, Brookside, assignors to P. Itallantline & Sons, Newark, N. J. Article raising or lowering conveyor. 2,628,708, Feb. 17.

Wahlberg, Arnold O., Minneapolis, Minn. Holder for nursing bottles. 2,628,802, Feb. 17.

Waldie, George A., Worthington, and R. M. Conklin, Columbus, Ohio, assignors, by mesne assignments, to The Wayne Pump Company, Salisbury, Md. Fluid meter. 2,628,595, Feb. 17.

Wall, Harry G., London, England, assignor to Modern Telephone Corporation, New York, N. Y. Intercommunication telephone system. 2,629,022, Feb. 17.

Wallace, Earl C., Andrews, and J. Meekin, Jr., Huntington, Ind., assignors to The Hettick Manufacturing Company, Toledo, Ohio. Collapsible play pool. 2,628,364, Feb. 17.

Wallace, Edwin G., Walnut Creek, and J. J. Mann, Martinez, assignors to Shell Development Company, San Francisco, Calif. Alcohol purification process. 2,628,986, Feb. 17.

Walsh, Vern O., Fredericksburg, Va. Display device. 2,628,722, Feb. 17.

Ware, Gordon K., assignor to Chicago Roller Skate Company, Chicago, Ill. Grinder for roller-skate wheels. 2,628,459, Feb. 17.

Warneke, Alan J., Chicago, Ill. Drinking mouthpiece for bottles. 2,628,736, Feb. 17.

Warner Bros. Pictures, Inc., assignee: See—
Gibbons, James A.

Warner, Donald T.: See—
Moe, Owen A., and Warner.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Room with movable bed for railway sleeping cars or the like. 2,628,366, Feb. 17.

Watts, (Mrs.) Martha F., assignee: See—
Yeomans, Lucien I.

Wayne Pump Company, The, assignee: See—
Waldie, George A., and Conklin.

Wayne, Winston J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining cellular polymeric materials. 2,628,945, Feb. 17.

Weaver, Allan: See—
Dahlbom, Carl A., and Weaver.

Webb, Richard H.: See—
Miller, Theodore, and Webb.

Webster-Chicago Corporation, assignee: See—
Dole, Colin R.

Webster, Clifford L., assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio. Combination storm window. 2,628,678, Feb. 17.

Webster, Roderick S., assignor to The Hydro-Blast Corporation, Chicago, Ill. Cleaning apparatus for castings and the like. 2,628,455, Feb. 17.

- Weckerling, Frank A., Pine Island, Minn. Fishing apparatus. 2,628,443, Feb. 17.
- Weidman, Bernard A., Sussex, assignor to Globe-Union Inc., Milwaukee, Wis. Method and apparatus for positioning battery plates for lead-burning. 2,628,992, Feb. 17.
- Weidman, Cleon M., Sr.: See—
Lehn, John U., and Weidman.
- Weinrich, Arthur H.: See—
Colbert, William H., Weinrich, and Morgan.
- Weinrich, Arthur H., North Wilkesboro, N. C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing an intermediate metallic oxide film in a multiple layer article. 2,628,921, Feb. 17.
- Wendler, Norman L.: See—
Graber, Robert P., and Wendler.
- Wentz, Edward A., Jersey City, assignor to Specialties Development Corporation, Belleville, N. J. Apparatus for treating yarn. 2,628,405, Feb. 17.
- West, Charles E., Buffalo, N. Y. Auxiliary sight for twilight firing of small arms. 2,628,420, Feb. 17.
- West Disinfecting Company, assignee: See—
Gilmore, Burdette B.
- Western Electric Company, Incorporated, assignee: See—
De Bruyne, Anton L.
Mayo, Louis A.
- Western States Machine Company, The, assignee: See—
Hertrich, Joseph.
- Westfahnenhütte Dortmund Aktiengesellschaft, assignee: See—
Schmidt, Job, and Frielinghaus.
- Westinghouse Electric Corporation, assignee: See—
Brace, Porter H.
Dalley, Hampton J.
Nagy, Rudolph.
Pask, Joseph A., and Slack.
Ramage, John H., and Mallin.
- Weston Electrical Instrument Corporation, assignee: See—
Shoemaker, George H.
- Wharton, John, Coventry, assignor to Courtaulds Limited, London, England. Manufacture and production of artificial threads from viscose. 2,628,885, Feb. 17.
- Wheeler, Jack A., Elberton, and W. H. Matthews, Athens, Ga. Kilometer. 2,628,612, Feb. 17.
- Whirlpool Corporation, assignee: See—
Morrison, Harold E.
- Whitcomb, Henry F., Jr., deceased; M. Whitcomb, executrix, assignor to Globe-Union Inc., Milwaukee, Wis. Roller-skate wheel. 2,628,860, Feb. 17.
- Whitcomb, Margaret, executrix: See—
Whitcomb, Henry F., Jr.
- Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of greases using reaction products of alpha-hydroxy fatty acids. 2,628,938, Feb. 17.
- Wick, George M., Ridgewood, N. J. Portable golf ball teater. 2,628,496, Feb. 17.
- Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse storage and regenerating polar duplex impulsing telephone system. 2,629,018, Feb. 17.
- Wiener, Jerome: See—
Fain, Raymond, and Wiener.
- Wilds, Charles C., assignor of one-half to F. P. Andring, Naselle, Wash. Fuel tank with discharge coupling. 2,628,741, Feb. 17.
- Wilken, Carl E., New Lebanon, assignor to The Lau Blower Company, Dayton, Ohio. Blower. 2,628,419, Feb. 17.
- Wilken, Carl E., New Lebanon, assignor to The Lau Blower Company, Dayton, Ohio. Blower. 2,628,769, Feb. 17.
- Williams, Allen L., Park Ridge, Ill. Wrench provided with a cotter pin hole locator. 2,628,323, Feb. 17.
- Williams, David J., Glyphant, Pa. Check and script protector. 2,628,849, Feb. 17.
- Willis, John S., assignor to Leslie Rankin Company, Cincinnati, Ohio. Sewing machine for making French bindings. 2,628,580, Feb. 17.
- Willmore, Charles B., Newark, Ohio, assignor to William F. Jobbins, Incorporated, Aurora, Ill. Aluminum-magnesium casting alloys. 2,628,899, Feb. 17.
- Wilson, Frank R., Lexington, Ky. Antifreeze solution teater. 2,628,494, Feb. 17.
- Wilson, Thomas H., and R. H. Richardson, Coalville, England, assignors to F. N. Bard, Chicago, Ill. Percussive tool. 2,628,599, Feb. 17.
- Wilson, William S., Brookline, and A. H. Bump, Brewster, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Sizing agents. 2,628,918, Feb. 17.
- Wlaberg, Hilmer E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making N-aryl-4-amino butanols. 2,628,978, Feb. 17.
- Winkler, De Loos E., Orinda, and H. de V. Flach, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Production of phenols. 2,628,985, Feb. 17.
- Woo, Sally E., Stockton, Calif. Display cabinet. 2,628,877, Feb. 17.
- Wood, Allen E., Otis, Colo. Brooder structure. 2,628,590, Feb. 17.
- Wood, C. Stanley, executor: See—
Jensen, Joseph M.
- Woodall Industries Inc., assignee: See—
Greig, James W.
- Woodruff, Thomas D.: See—
McElhinney, Thomas R., and Woodruff.
- Wool, Frank A., San Jose, Calif. Method of and apparatus for slicing drupe halves. 2,628,640, Feb. 17.
- Worden, Van C., Detroit, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Antisludge carburetor. 2,628,826, Feb. 17.
- Woska, Leon R., assignor to Solar Aircraft Company, San Diego, Calif. Collector structure for axial flow rotary gas compressors. 2,628,767, Feb. 17.
- Wright, James B., Philadelphia, Pa. Eyeglass hinge construction. 2,628,531, Feb. 17.
- Wright, James F., Palo Alto, Calif. Portable urinal. 2,628,617, Feb. 17.
- Wright, Kenneth A., Los Angeles, Calif. Centering and well cleaning tool. 2,628,682, Feb. 17.
- Wurmser, Alphonse V.: See—
Robertson, Donald D., and Wurmser.
- Wyland, Ray O., Jr., Somerville, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Rock piercing blowpipe. 2,628,817, Feb. 17.
- Yaeger, Luther L., Hammond, Ind., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Article comprising coated polystyrene. 2,628,923, Feb. 17.
- Yancey, Charles R., assignor of forty-five per cent to K. K. Yancey and ten per cent to E. H. Ackley, Dallas, Tex. Attachable closure for containers. 2,628,761, Feb. 17.
- Yancey, Katherine K., assignee: See—
Yancey, Charles R.
- Yeomans, Lucien L., assignor to (Mrs.) M. F. Watts, Chicago, Ill. Can opener. 2,628,422, Feb. 17.
- Yingst, Paul V., Norwood, assignor to The Post-Glover Electric Company, Cincinnati, Ohio. Magnetic blowout construction and shield. 2,629,035, Feb. 17.
- York-ShIPLEY, Inc., assignee: See—
Mohr, Henry L.
- Youngstown Steel Door Company, The, assignee: See—
Madland, Gabriel.
- Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Method of and apparatus for refrigeration. 2,628,478, Feb. 17.
- Zent, Adolph J., Brooklyn, N. Y. Adjustable packing case and the like. 2,628,737, Feb. 17.
- Zentner, Margaret R., West Orange, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Aqueous emulsions of lipid-soluble vitamins. 2,628,930, Feb. 17.
- Zinty, Marcel J., New York, N. Y., assignor to Magnas Chemical Company, Inc., Garwood, N. J. Chip removing method and apparatus. 2,628,460, Feb. 17.
- Zitzewitz, Barbara O., assignee: See—
Vischer, Alfred, Jr.
- Zitzewitz, Elmer K., assignee: See—
Vischer, Alfred, Jr.
- Zitzewitz, Gertrude J., assignee: See—
Vischer, Alfred, Jr.
- Zitzewitz, Walter W., assignee: See—
Vischer, Alfred, Jr.
- Zwickey, Clifford J., North St. Paul, Minn. Arrowhead with resilient arms. 2,628,837, Feb. 17.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. S. Boerner. 1,168-9, Feb. 17.

LIST OF DESIGN INVENTIONS

- Advertising device for roadside stores. T. Carvel. 168,828, Feb. 17.
- Bell, S. S. Sarua. 168,861, Feb. 17.
- Bottle. A. Y. Schulte. 168,865, Feb. 17.
- Bottle, Flexible. J. Montener. 168,851, Feb. 17.
- Box for a giraffe. B. Murdock. 168,852, Feb. 17.
- Box for fragile articles. W. S. Freeman. 168,835, Feb. 17.
- Bracelet or the like, Watch. L. E. Valcourt. 168,870, Feb. 17.
- Bracket, Hanger. A. L. Beltrami. 168,820, Feb. 17.
- Can, Dispensing. W. Mack. 168,848, Feb. 17.
- Car, Observation. R. W. Haman, C. V. Norby, and D. W. Doman. 168,837, Feb. 17.
- Chair. D. R. Johnson. 168,843, Feb. 17.
- Chair, Combination dental and medical operating. N. E. Lauterbach and W. D. Teague. 168,845, Feb. 17.
- Chair or the like, Dental. E. J. Riea. 168,857, Feb. 17.
- Chest of drawers. E. Herrman and W. J. Carr. 168,839-41, Feb. 17.
- Container or similar article, Manicuring implement. W. Beleck. 168,819, Feb. 17.
- Emblem or the like, Appliqué. H. Tobler. 168,869, Feb. 17.
- Fabric or the like, Narrow textile. S. L. Oppenheimer. 168,853, Feb. 17.
- Fishing lure. A. E. Woolfe. 168,873-4, Feb. 17.
- Flower holder and base therefor, Combined cemetery grave. L. E. Blasey. 168,823, Feb. 17.
- Game board. S. A. Streb. 168,868, Feb. 17.
- Girdle. H. Steiner. 168,866, Feb. 17.
- Golf putter head. M. Paynor. 168,855, Feb. 17.
- Gunrack, Wall. H. E. Monroe. 168,850, Feb. 17.
- Handbag, Lady's. A. J. Waldman. 168,872, Feb. 17.
- Hanger. W. Lincoln and J. De Muth. 168,846, Feb. 17.
- Hanger and ice scraper for automobiles, Combined coat. E. Derlein. 168,831, Feb. 17.
- Heater, Brooder. W. Rusnak and W. G. Stoll. 168,860, Feb. 17.
- Holder, Condiment. W. D. Scalf. 168,863, Feb. 17.
- Lamp base. W. S. Sawie. 168,862, Feb. 17.
- Lamp base, Electric. D. Borowitz. 168,826-7, Feb. 17.
- Lawn mower head, Power. P. W. Hainke. 168,836, Feb. 17.
- Lighting fixture, Wall. D. Borowitz. 168,824-5, Feb. 17.
- Mold, Baking. M. MacGregor. 168,847, Feb. 17.
- Motor. J. Bernard. 168,821, Feb. 17.
- Name plate. S. Schneider. 168,864, Feb. 17.
- Opener, Can. M. J. La Forte. 168,844, Feb. 17.
- Packages and container therefor, Combined tetrahedral shaped. H. S. V. Jarund. 168,842, Feb. 17.
- Ring. A. Zimet. 168,875, Feb. 17.
- Robe and mask, Combined insulated. R. M. Bland. 168,822, Feb. 17.
- Rule, Educational. N. Farinacci. 168,834, Feb. 17.
- Sandblast machine, Portable. J. C. Darab. 168,829, Feb. 17.
- Scarf, Head. S. Osner. 168,854, Feb. 17.
- Seal. H. F. Stoffel. 168,867, Feb. 17.
- Shirt. E. S. Rusakay. 168,859, Feb. 17.
- Stand or similar article, Telephone. E. Rucker. 168,858, Feb. 17.
- Stand, Umbrella display. L. Peyser. 168,850, Feb. 17.
- Steamer and bun warmer, Combination hot dog. A. D. Altemiller. 168,817, Feb. 17.
- Stocking, Lady's. G. J. Apar. 168,818, Feb. 17.
- Stocking, Lady's. C. A. Miles. 168,849, Feb. 17.
- Stopper for a bottle, Dispenser. A. L. Volght. 168,871, Feb. 17.
- Tablecloth. V. Hamill. 168,838, Feb. 17.
- Towel bar, Suction cup. W. A. Katon. 168,832, Feb. 17.
- Valve, Hydraulic relief. W. E. Eschliman. 168,833, Feb. 17.
- Wreath. L. A. Dent and C. L. Baaford. 168,830, Feb. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator attachment, Automobile. J. Juergens. 2,628,507, Feb. 17.
Accelerometer. R. C. Taylor and L. J. Vincent. 2,629,030, Feb. 17.
Acid-resistant ultramarine pigment and preparation thereof. F. J. Schwahl. 2,628,920, Feb. 17.
Adhesion of polymeric materials to glass. F. J. Carlin. 2,628,922, Feb. 17.
Adjustable chair. C. W. Morris and L. A. Kent. 2,628,862, Feb. 17.
Adjustable reclining chair. T. and H. Kluglein. 2,628,861, Feb. 17.
Advance marker for dictating machines. C. W. Dann and R. M. Somers. 2,628,841, Feb. 17.
Aeration apparatus, Portable. N. Meurer. 2,628,828, Feb. 17.
Aerator for fish containers, Water. R. M. Brown. 2,628,447, Feb. 17.
Air conditioning means for enclosures. G. A. Burgess. 2,628,482, Feb. 17.
Aircraft adapted for air, land, and water travel. J. E. Griffith. 2,628,792, Feb. 17.
Aircraft training apparatus with vertical air-speed indicator and control. R. C. Dehmel. 2,628,434, Feb. 17.
Alcohol purification process. E. O. Wallace and J. J. Meno. 2,628,986, Feb. 17.
Aldehydes, Preparation of unsaturated. J. F. Arens and D. A. van Dorp. 2,628,979, Feb. 17.
Alloy addition agent. D. C. Hilly. 2,628,898, Feb. 17.
Aluminum-magnesium casting alloys. C. B. Willmore. 2,628,899, Feb. 17.
Amino propane diol, Preparation of a substituted. R. M. Jacob and J. G. Robert. 2,628,975, Feb. 17.
Amplifier, Electronic. J. W. Smith. 2,629,073, Feb. 17.
Amplifier system, High gain selective signal. W. van It. Roberts. 2,629,025, Feb. 17.
Annular combustion liner having conical reentrant walls with fuel reversing elements. F. T. Hague. 2,628,474, Feb. 17.
Antenna. N. E. Lindenblad. 2,629,051, Feb. 17.
Antenna mounting base. M. F. Krizman. 2,628,796, Feb. 17.
Antenna, Scanning. H. Iama. 2,629,052, Feb. 17.
Anti-knapping lock. M. D. Hulvid. 2,628,686, Feb. 17.
Antifreeze solution tester. F. R. Wilson. 2,628,494, Feb. 17.
Antiskid device. E. C. Forsythe. 2,628,437, Feb. 17.
Antistatic textile treating composition of triethanolamine-aliphatic carboxylic acid salts. H. Paul. 2,628,937, Feb. 17.
Apparatus for aerating flotation pulps and the like. A. C. Daman. 2,628,827, Feb. 17.
Apparatus for analyzing the particle size distribution of a powder sample. R. E. Payne. 2,628,787, Feb. 17.
Apparatus for coating and uniting textile cords to form a weblike fabric. E. V. Bitterli and M. Forrer. 2,628,655, Feb. 17.
Apparatus for detaching and removing a sheet from an upwardly traveling ribbon of glass. G. T. Pye and H. G. Jones. 2,628,453, Feb. 17.
Apparatus for determining liquid levels. R. R. Johnson. 2,628,500, Feb. 17.
Apparatus for fractional sublimation. A. F. Held. 2,628,892, Feb. 17.
Apparatus for optically gauging profiles. C. F. Dietrich and H. J. Smith. 2,628,528, Feb. 17.
Apparatus for producing impingement carbon black. H. H. Hahn and W. F. Hendricka. 2,628,891, Feb. 17.
Apparatus for racking pipe in derricks. A. L. Stone. 2,628,725, Feb. 17.
Apparatus for removing air from ceramic materials. C. O. Fiedler. 2,628,401, Feb. 17.
Apparatus for selectively interconnecting wave guides. E. Dyke and R. Y. Hoffman, Jr. 2,629,048, Feb. 17.
Apparatus for testing electric timers. W. J. Kasimir. 2,629,009, Feb. 17.
Apparatus for treating continuous products. E. L. Huff. 2,628,827, Feb. 17.
Apparatus for treating yarn. E. A. Wents. 2,628,405, Feb. 17.
Apparatus for use in surgery and in administering anesthetics. J. E. Krewson. 2,628,803, Feb. 17.
Apparatus for wrapping one length of material with another. R. G. Plata and A. Ramos. 2,628,464, Feb. 17.
Aqueous emulsions of lipoid-soluble vitamins. M. R. Zentner. 2,628,930, Feb. 17.
Arrowhead with resilient arms. C. J. Zwickey. 2,628,837, Feb. 17.
Article comprising coated polystyrene. L. L. Yaeger. 2,628,923, Feb. 17.
Article-traying unit. J. B. Ahlman. 2,628,754, Feb. 17.
Artificial fibers of polymeric materials, Production of. C. H. Bamford, W. E. Hanby, and F. Happey. 2,628,886, Feb. 17.
Artificial threads from viscose, Manufacture and production of. J. Wharton. 2,628,885, Feb. 17.
Aryloxyacetates of basically substituted arylalkanols and derivatives thereof. J. W. Cusic. 2,628,973, Feb. 17.
Attachment for automobiles. R. Palazzolo. 2,628,812, Feb. 17.
Augmenter for resistor motors, Synchronous. J. Y. Dunbar. 2,628,471, Feb. 17.
Automatic machine tool. D. H. Montgomery. 2,628,414, Feb. 17.
Automatic traffic signal. F. Peters and F. J. Hanback. 2,628,587, Feb. 17.
Baby carrier. J. M. Nella. 2,628,358, Feb. 17.
Backwash control equipment for filters. C. Hangerford, Jr., and J. G. Reutter. 2,628,720, Feb. 17.
Bag closure. L. M. Grimes and R. W. Amann. 2,628,396, Feb. 17.
Baler tension adjusting mechanism. H. J. Phillips, Jr. 2,628,554, Feb. 17.
Ball turning machine. A. Babcock. 2,628,462, Feb. 17.
Barge unloading device. C. Anachuta. 2,628,727, Feb. 17.
Bearing: See—
Thrust bearing.
Bearing assembly and lubrication thereof, Tandem. J. H. Powers. 2,628,871, Feb. 17.
Bed chair or bed settee. C. Gordon and F. Skidmore. 2,628,368, Feb. 17.
Bed, Davenport. S. A. Green. 2,628,367, Feb. 17.
Bed, Folding. C. R. Null. 2,628,371, Feb. 17.
Beehive with heating and ventilating means. C. S. Bowen. 2,628,374, Feb. 17.
Belt drive, Wire conveyor. R. J. Guba. 2,628,706, Feb. 17.
Belt, Hunter's. C. E. Ryden. 2,628,749, Feb. 17.
Beta-phenyl-gamma-nitroaldehyde. O. A. Moe and D. T. Warner. 2,628,980, Feb. 17.
Beverage maker. T. L. Titus. 2,628,553, Feb. 17.
Bis (trichloromethyl) sulfone. W. R. James. 2,628,982, Feb. 17.
Blade bolder and sheath, Razor. H. F. Cuntz. 2,628,423, Feb. 17.
Blade retention means with increased stiffness. W. E. Diefenderfer. 2,628,688, Feb. 17.
Blower. C. E. Wilken. 2,628,419, Feb. 17.
Blower. C. E. Wilken. 2,628,769, Feb. 17.
Blowpipe, Rock piercing. R. O. Wyland, Jr. 2,628,817, Feb. 17.
Board: See—
Tally board.
Bobbin holder for looping machines. E. E. Sutphin. 2,628,579, Feb. 17.
Bottle dispensing cabinet. M. L. Everhart. 2,628,874, Feb. 17.
Box: See—
Dice box.
Box-blank cutting assembly. D. Bartlette and E. C. Lowe. 2,628,543, Feb. 17.
Box for bus bar duct systems, Feed-in and junction. R. A. Salomone and C. B. Turton. 2,628,997, Feb. 17.
Bracket: See—
Visor bracket.
Bracket for water pipe fittings, Supporting. O. L. Aaby. 2,628,799, Feb. 17.
Brake shoe, Nonsquealing bonded. W. R. Rodger. 2,628,693, Feb. 17.
Brassiere. A. M. Rosenfield and J. J. Goldklang. 2,628,358, Feb. 17.
Brassiere, Strapless. F. Slider. 2,628,357, Feb. 17.
Bright corrosion resistant coating of metals. C. W. Osterlander. 2,628,925, Feb. 17.
Brooder structure. A. E. Wood. 2,628,590, Feb. 17.
Browband. J. G. Heyek. 2,628,361, Feb. 17.
Brush machine, Dynamo. R. M. Goodwin. 2,628,511, Feb. 17.
Brush, Toilet bowl. E. C. Scaff. 2,628,381, Feb. 17.
Bucket and cover therefor, Spinning. H. D. Haley. 2,628,740, Feb. 17.
Burner and port-forming grid, Gas. O. C. Palmer and W. J. Schmoll. 2,628,675, Feb. 17.
Burring tool. E. F. Packard. 2,628,513, Feb. 17.

LIST OF INVENTIONS

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Butadiene hydrocarbon elastomers having improved light stability. P. A. Sanders and J. R. Vincent. 2,628,952, Feb. 17.
Cabinet: See—
Bottle dispensing cabinet, Display cabinet.
Cable with visible conductors, Splittable. M. H. Frisbie. 2,628,998, Feb. 17.
Calicining apparatus. J. J. Ruiz. 2,628,829, Feb. 17.
Calf weaner, Electrical. L. M. Johnston. 2,628,592, Feb. 17.
Calibrating liquid level measuring sticks, Means for. L. H. Sandefur. 2,628,403, Feb. 17.
Calibrating means for electrical instruments, Compensated. J. I. Hall. 2,628,903, Feb. 17.
Cam mechanism and manufacturing the same. J. F. Jones, F. F. Timpner, and R. C. Juvinall. 2,628,605, Feb. 17.
Cam operated self-closing gate. W. L. Engbauer. 2,628,441, Feb. 17.
Car and electric cable reel. A. L. Lee. 2,628,701, Feb. 17.
Carburetor, Anti-lurgle. V. C. Worden. 2,628,820, Feb. 17.
Carburetor cooling structure. M. C. Brown. 2,628,824, Feb. 17.
Carriage hood, Ventilated baby. E. H. Packman. 2,628,862, Feb. 17.
Carrier: See—
Golf bag carrier. Water bag carrier.
Carton. W. P. Frankenstein. 2,628,703, Feb. 17.
Carton. R. O. Spalding. 2,628,702, Feb. 17.
Carton closing machine. J. D. Brown. 2,628,460, Feb. 17.
Case: See—
Illuminated message case.
Centering and well cleaning tool. K. A. Wright. 2,628,682, Feb. 17.
Centrifugal apparatus discharger. J. Hertrich. 2,628,719, Feb. 17.
Centrifugal tester. A. H. Boileau. 2,628,773, Feb. 17.
Chair: See—
Adjustable chair. Demountable chair.
Adjustable reclining chair. Reclining chair.
Child's training chair.
Chair and seat and back therefor. D. McDonald. 2,628,660, Feb. 17.
Chair on tracks. F. Thompson and H. E. Rothenbaum. 2,628,664, Feb. 17.
Check and script protector. D. J. Williams. 2,628,849, Feb. 17.
Check valve. G. K. Moore. 2,628,810, Feb. 17.
Chemical process for the production of an acid salt of hydroxylamine. R. E. Benson. 2,628,888, Feb. 17.
Child's training chair. R. G. Orlando. 2,628,665, Feb. 17.
Chip removing method and apparatus. M. J. Zinty. 2,628,480, Feb. 17.
Choker trap. J. U. Lehn and C. M. Weldman, Sr. 2,628,448, Feb. 17.
Christmas tree stand. J. C. and T. C. Kass. 2,628,798, Feb. 17.
Chrome mordanting and dyeing of wool, Continuous. J. N. Dalton and J. P. Ploubides. 2,628,883, Feb. 17.
Chlorometer. J. A. Wheeler and W. H. Matthews. 2,628,612, Feb. 17.
Circuit: See—
Compensated humidity. Tuned circuit.
Measuring circuit. Voltage sensitive circuit.
Circuit breaker. R. L. Brown. 2,629,036, Feb. 17.
Circuit for a transmission and clutch control apparatus. Electrical. M. C. Robinson. 2,628,696, Feb. 17.
Circuit for interpolated speech transmission, Coordinate selecting and lock-out. D. D. Robertson. 2,629,020, Feb. 17.
Circuit having a reactive load, Amplifier. H. M. Oliver. 2,629,008, Feb. 17.
Circuit in interpolated speech receiving system, Coordinate switching and lock-out. D. D. Robertson and A. V. Wurmaer. 2,629,021, Feb. 17.
Circuits for space discharge tube network, Control. B. F. Holmes and H. H. Helndel. 2,629,070, Feb. 17.
Circuits for television receivers, Deflection. H. Fogel. 2,629,067, Feb. 17.
Clamp: See—
Hold down clamp.
Clamp. J. H. O'Brien. 2,628,806, Feb. 17.
Clasp for blouses. I. M. Lavery and J. H. Bird. 2,628,398, Feb. 17.
Cleaner and grader, Seed. J. O. Dockins. 2,628,718, Feb. 17.
Cleaning apparatus for castings and the like. R. S. Webster. 2,628,455, Feb. 17.
Cleaning device, Fountain pen. D. Chapman. 2,628,431, Feb. 17.
Cleaning machine, Drum. L. M. Gilbert and C. G. Derr. 2,628,378, Feb. 17.
Cleaning strip. S. S. Johnston and J. E. Elswick. 2,628,924, Feb. 17.
Clip: See—
Pocket clip.
Closure for containers, Attachable. C. R. Yancey. 2,628,701, Feb. 17.
Closure member or furniture glide. K. J. Shamber. 2,628,384, Feb. 17.
Clothesline construction, Indoor. V. E. Booth, H. B. Bergeon, and C. B. Potts. 2,628,723, Feb. 17.
Coat hanger extension pad. L. M. Stratta. 2,628,748, Feb. 17.
Coating metallic objects, Method and apparatus for. A. P. Knapp. 2,628,393, Feb. 17.
Coll container. F. R. Schaefer. 2,628,714, Feb. 17.
Coll containers, Making. F. R. Schaefer. 2,628,463, Feb. 17.
Colling drum, Linoleum. F. E. Maxwell. 2,628,789, Feb. 17.
Coin collector. J. D. Smith. 2,628,772, Feb. 17.
Coin-control mechanism for vending machines. W. G. Parriah. 2,628,698, Feb. 17.
Collector structure for axial flow rotary gas compressors. L. R. Wosika. 2,628,767, Feb. 17.
Colored photographs, Producing. P. Ralibourn. 2,628,902, Feb. 17.
Combustion chamber. H. I. Mohn. 2,628,670, Feb. 17.
Comminuting solid particles, Method and means for. G. A. Fink. 2,628,785, Feb. 17.
Commutator and forming the same. W. P. Lewis. 2,629,004, Feb. 17.
Compensated humidity-measuring circuit. L. S. Craig. 2,629,054, Feb. 17.
Compositions of matter stabilized with isobornyl derivatives. T. H. Newby. 2,628,953, Feb. 17.
Compressor. A. P. Anderson. 2,628,705, Feb. 17.
Compressor, Axial-flow. A. Kantrowitz. 2,628,768, Feb. 17.
Concentrated formic acid, Producing. H. H. Johnsen. 2,628,976, Feb. 17.
Conduit connection with automatic valving, Releasable. D. V. Summerville. 2,628,850, Feb. 17.
Container: See—
Coll container.
Container closure. P. G. McGowan. 2,628,735, Feb. 17.
Container closure. A. Vischer, Jr. 2,628,739, Feb. 17.
Container having an electric heating element, Portable food. W. H. Burleyson. 2,629,042, Feb. 17.
Continuity, polarity, and breakdown test device. A. L. de Bruyne. 2,628,990, Feb. 17.
Control for constant-speed, variable-pitch propellers. H. H. Slatter and T. G. Dalah. 2,628,684, Feb. 17.
Control of aircraft, Automatic and manual. E. A. Stalker. 2,628,783, Feb. 17.
Control of the ignition means in injection type internal-combustion engines. J. B. Mallin. 2,628,600, Feb. 17.
Control system. C. S. Draper and Y. T. Li. 2,628,600, Feb. 17.
Control system for diesel engines. S. W. Newell. 2,628,607, Feb. 17.
Control unit for thermostatic valves. C. F. Fernald. 2,628,783, Feb. 17.
Controlled atmosphere annealing furnace. E. L. Kerr. 2,628,830, Feb. 17.
Conveyor. F. S. Schrage. 2,628,701, Feb. 17.
Conveyor, Article raising or lowering. E. A. Wahl, W. Boehl, and O. A. Badenhausen. 2,628,600, Feb. 17.
Conveyor for cartoning machines, Adjustable. A. H. Rosa. 2,628,542, Feb. 17.
Conveyor, Side-tilting. J. M. Prentice. 2,628,697, Feb. 17.
Conveyor, Slatted. D. Kline and E. N. Michna. 2,628,705, Feb. 17.
Conveyor transfer apparatus. N. L. Mabrey. 2,628,702, Feb. 17.
Cooking device. J. H. Hildale. 2,628,738, Feb. 17.
Cooler and carbonator, Combined water. J. Kantor and E. Rosenberg. 2,628,825, Feb. 17.
Cooling system for double seals. C. F. Voytech. 2,628,852, Feb. 17.
Cooling system for internal-combustion engines. G. Provenzano. 2,628,601, Feb. 17.
Cooling unit, Combination refrigeration and evaporating. A. S. Feinberg. 2,628,480, Feb. 17.
Copolymers of vinylidene cyanide with acrylonitrile. H. Gilbert. 2,628,954, Feb. 17.
Core-sampling tool. R. I. Maban. 2,628,816, Feb. 17.
Cosmetic make-up template. G. Q. Teillaud. 2,628,626, Feb. 17.
Cot, Mobile. H. S. Urban. 2,628,300, Feb. 17.
Counter, Soiled towel. J. J. Colvin. 2,628,704, Feb. 17.
Counter-current extraction method and apparatus. G. J. Langmyhr. 2,628,894, Feb. 17.
Coupling: See—
Flexible ventilating con-Turner along coupling.
Coupling for control cables. C. E. Cushman. 2,628,855, Feb. 17.
Crib guard. L. C. Mahan. 2,628,373, Feb. 17.
Curing device, Meat. T. A. D. Jones and C. E. Kilby. 2,628,552, Feb. 17.
Cutter, guide, Transparent. J. and H. McMillan. 2,628,424, Feb. 17.
Cutting synthetic fiber fabrics, Method and apparatus for. E. F. Vera. 2,628,412, Feb. 17.
Cylinder-crankcase assembly. C. F. Bacble. 2,628,596, Feb. 17.
Damping electromechanical vibrator reeds, Means for. J. B. Dale. 2,629,033, Feb. 17.
Decomposition of hydrocarbons. J. H. Shapleigh. 2,628,890, Feb. 17.
Defrosting system. F. W. Powers and A. Lundin. 2,628,479, Feb. 17.
Dehydration, Method and apparatus for. H. A. Toulmin, Jr. 2,628,485, Feb. 17.

- Delicate goods drier. H. E. Morrison. 2,628,432, Feb. 17.
 Delivery for pulverized material. W. J. Sackett. 2,628,724, Feb. 17.
 Demountable chair. G. J. Daille. 2,628,608, Feb. 17.
 Demountable garment hanger. V. W. Bain. 2,628,751, Feb. 17.
 Denture pad. J. Rosner, Jr. 2,628,425, Feb. 17.
 Device for applying test voltage to pipe coating. L. H. Tinker. 2,629,002, Feb. 17.
 Device for producing current impulse combinations. K. Ehrat. 2,629,012, Feb. 17.
 Devices for packaging liquid infant food. J. J. Horan. 2,628,912, Feb. 17.
 Dice box. E. Laube, Jr. 2,628,840, Feb. 17.
 Die: See—
 Web extrusion die.
 Dihydrocodeinone, dihydromorphinone, and codeinone. Preparing. A. H. Homeyer and G. B. De La Mater. 2,628,962, Feb. 17.
 Direct-reading photoelectric exposure meter. J. L. Rifkin. 2,628,527, Feb. 17.
 Disengagement of gases from a moving bed of fluent solid particles. R. Knillgaard. 2,628,893, Feb. 17.
 Disk plow. Tractor mounted. L. C. Hester. 2,628,547, Feb. 17.
 Dispenser: See—
 Liquid soap dispenser. Safety razor blade dispenser.
 Multifluid sanitary tooth paste dispenser.
 Dispensers and packaging therefor, liquid infant food. J. J. Horan. 2,628,913, Feb. 17.
 Display cabinet. S. E. Woo. 2,628,877, Feb. 17.
 Display device. V. G. Walsh. 2,628,722, Feb. 17.
 Distortion analyzing apparatus. H. F. Olson and D. F. Pennie. 2,629,000, Feb. 17.
 Distributor. Rotary control oil or grease. W. D. Brockman. 2,628,636, Feb. 17.
 Doffing mechanism for spinning machines. C. W. Greene. 2,628,468, Feb. 17.
 Doll and doll pocket therefor. B. G. Gladstein. 2,628,452, Feb. 17.
 Dolly, towing. J. C. Hale. 2,628,733, Feb. 17.
 Door: See—
 Laterally movable door.
 Door construction, Automobile power-operated sliding. H. A. Darrin. 2,628,860, Feb. 17.
 Door operating mechanism. H. F. Martin. 2,628,831, Feb. 17.
 Door operating mechanism for bakers' ovens. L. D. Houllis. 2,628,832, Feb. 17.
 Doughnut former. E. J. Roth. 2,628,578, Feb. 17.
 Drag controlled means for raising the blades of gang type disk plows. P. A. Ramsey. 2,628,548, Feb. 17.
 Drawer operating mechanism. Cash. W. P. Loudon. 2,628,775, Feb. 17.
 Dress form, Enclosed retractable. G. M. Smith. 2,628,747, Feb. 17.
 Drier: See—
 Delicate goods drier. Yankee drier.
 Drier and restrictor for refrigeration systems, Combination. R. W. Ayres and D. F. Swanson. 2,628,484, Feb. 17.
 Drill: See—
 Explosive drill.
 Drilling rate indicating device. A. L. Smith. 2,628,498, Feb. 17.
 Driving and aligning means for power-operated tools. R. W. Bailey and J. T. Faulk. 2,628,846, Feb. 17.
 Drumshaft assembly. J. D. Spalding. 2,628,814, Feb. 17.
 Dump body attachment for grain conveyors. J. F. Bar-chers. 2,628,729, Feb. 17.
 Dye aging process. R. W. Jacoby. 2,628,884, Feb. 17.
 Dynamic scanning system. F. Kleber. 2,628,889, Feb. 17.
 Dynamoelectric machine. Adjustable pole pitch. C. E. Ellis. 2,629,063, Feb. 17.
 Echo ranging system. C. H. Eckart and G. W. Downs, Jr. 2,629,084, Feb. 17.
 Educational device. F. M. and E. S. Minninger. 2,628,435, Feb. 17.
 Egg substitute admixture and producing the same. M. M. Healy. 2,628,904, Feb. 17.
 Ejector for header punches. M. O. Frist. 2,628,514, Feb. 17.
 Elastic fabric. E. Cadmus. 2,628,928, Feb. 17.
 Electric motor. S. H. Swarthout. 2,629,061, Feb. 17.
 Electric traction and braking system. T. O. Lillquist. 2,629,058, Feb. 17.
 Electrical apparatus. M. C. Harold. 2,629,034, Feb. 17.
 Electrical control system for overheated bearings on trains. L. Day. 2,629,047, Feb. 17.
 Electrical device and system therefor. Strain-sensitive. J. J. Dietz. 2,629,038, Feb. 17.
 Electrical switch. I. G. G. Brown. 2,629,037, Feb. 17.
 Electrical system for internal-combustion engines. W. M. Baumbeckel. 2,629,059, Feb. 17.
 Electrohydraulic servo unit. W. D. Teague, Jr. 2,628,594, Feb. 17.
 Electrolytic production of chlorates. W. K. Earnest and E. H. Karr. 2,628,935, Feb. 17.
 Electromagnetic operator. L. R. Forman. 2,629,007, Feb. 17.
 Electromagnetic switch. E. C. Ballman. 2,629,031, Feb. 17.
 Electron discharge device, Tunable. A. D. La Rue. 2,629,069, Feb. 17.
 Electron tube. W. W. Eitel and J. A. McCullough. 2,629,066, Feb. 17.
 Electronic ripple suppression filter. J. Edwards. 2,629,014, Feb. 17.
 Engine: See—
 Internal-combustion engine.
 Envelope and making. Multiseal. J. A. Pask and C. M. Slack. 2,629,093, Feb. 17.
 Envelope loader. R. H. Penley. 2,628,465, Feb. 17.
 Equallizing and mixing valve. N. L. Helkes. 2,628,782, Feb. 17.
 Esters of alkylanthric formic acid. R. B. Booth and C. E. Light. 2,628,971, Feb. 17.
 Expansion joint. H. C. Miller. 2,628,544, Feb. 17.
 Explosive drill. R. Jasse. 2,628,559, Feb. 17.
 Extractor: See—
 Sleeve extractor.
 Eyeglass hinge construction. J. H. Wright. 2,628,531, Feb. 17.
 Fabric: See—
 Elastic fabric.
 Fairlead for semitrailer scrapers or wagons. W. P. Al-kinnam and T. O. Davidson. 2,628,815, Feb. 17.
 Fan having a resiliently supported motor. Electric. H. W. Uhlrig. 2,628,771, Feb. 17.
 Fastener: See—
 Slide fastener.
 Feed for fruit and vegetable cutting machines. Tilttable. E. R. Jagenburg. 2,628,648, Feb. 17.
 Feeder: See—
 Sheet metal feeder.
 Feeding apparatus. H. E. Dickerman. 2,628,835, Feb. 17.
 Feeding tapered articles. Means for. P. R. Fechtelmer, R. Boling, and L. F. Frederick. 2,628,703, Feb. 17.
 Fermentation process. T. D. Nunheimer. 2,628,931, Feb. 17.
 Filling device. A. S. Karper. 2,628,618, Feb. 17.
 Filter: See—
 Electronic ripple suppression filter.
 Gasoline filter.
 Film magazine. A. Kurnick and L. Brownstein. 2,628,545, Feb. 17.
 Filter. J. M. Miller and B. Salsberg. 2,629,049, Feb. 17.
 Firearm with forwardly moving barrel. Gas-operated automatic. W. A. Schleich. 2,628,536, Feb. 17.
 Fire-retardant composition containing an anion exchange resin. W. Juda, G. Jones, and N. Altman. 2,628,946, Feb. 17.
 Fishing apparatus. F. A. Weckerling. 2,628,443, Feb. 17.
 Fishing rod or pole holder. G. T. Diderich. 2,628,795, Feb. 17.
 Fishing rod with disappearing spike. A. H. Lawrence. 2,628,445, Feb. 17.
 Flashlight having a central adjustable lamp carrier. G. R. Frohlich. 2,629,045, Feb. 17.
 Flexible ventilated coupling. R. G. Jessup. 2,628,851, Feb. 17.
 Flotation of ores. R. B. Booth and J. V. Hill. 2,628,717, Feb. 17.
 Flotation process. W. H. Hill. 2,628,718, Feb. 17.
 Flow equalizer valve. C. E. Deardorff. 2,628,829, Feb. 17.
 Fluid meter. G. A. Walde and R. M. Conklin. 2,628,596, Feb. 17.
 Fluid pressure intensifier. T. G. Moore. 2,628,872, Feb. 17.
 Fluid pressure regulator. F. H. Mueller. 2,628,454, Feb. 17.
 Fluid velocity responsive regulating or indicating means. L. D. Kleiss. 2,628,499, Feb. 17.
 Fluorocarbon. Manufacture of. C. B. Miller. 2,628,989, Feb. 17.
 Flush device, Automatic toilet. A. Stein. 2,628,363, Feb. 17.
 Flush valve. J. Birkmaier. 2,628,362, Feb. 17.
 Food in marketable dispensers, liquid infant. J. J. Horan. 2,628,908, Feb. 17.
 Food package having insertable food article support. G. W. Stehm. 2,628,914, Feb. 17.
 Foot balancing means. C. P. Leydecker. 2,628,440, Feb. 17.
 Footrest, Dental chair. E. J. Ries. 2,628,658, Feb. 17.
 Form for concrete crypts, Collapsible. M. A. Garrison. 2,628,403, Feb. 17.
 Forming a point at the end of a wire. V. J. Albano. 2,628,936, Feb. 17.
 Forming edge for overstuffed furniture. A. A. Stanton. 2,628,667, Feb. 17.
 Forming multiple segment tanks. R. J. Branson. 2,628,418, Feb. 17.
 Fracture securing device. H. Briggs. 2,628,614, Feb. 17.
 Fuel additive. Motor. W. S. Murray and J. R. Dyer, Jr. 2,628,895, Feb. 17.
 Fuel feeding device for internal-combustion engines. R. E. Glover. 2,628,634, Feb. 17.
 Fuel injection device. F. De Luca. 2,628,570, Feb. 17.
 Fuel injection pump. W. J. Purchas, Jr. and C. W. Truxell, Jr. 2,628,866, Feb. 17.
 Fuel tank. G. R. Ericson. 2,628,673, Feb. 17.
 Furnace: See—
 Controlled atmosphere annealing furnace.
 Furnace for hot band rolling. Reeling. J. Schmidt and F. Frelinghaus. 2,628,790, Feb. 17.
 Furniture article. Convertible. C. R. Carpenter. 2,628,659, Feb. 17.

- Game apparatus, Rotary block. D. F. Smalley. 2,628,838, Feb. 17.
 Gameboard stand. W. F. McNamara. 2,628,839, Feb. 17.
 Garment bag supporting and elevating device. T. F. Marchionda. 2,628,755, Feb. 17.
 Garment construction. L. T. Shalda. 2,628,350, Feb. 17.
 Garment, Foundation. M. Laguzzi. 2,628,354-5, Feb. 17.
 Gas injector for carbon black converter. C. B. Fore. 2,628,674, Feb. 17.
 Gasoline filter. V. P. Mathews. 2,628,721, Feb. 17.
 Gate: See—
 Cam operated self-closing gate.
 Gauge: See—
 Guillotine knife-automatic. Wheel gauge.
 Gauge and heater, Combination oil. R. Fein and J. Wiener. 2,629,041, Feb. 17.
 Gauge and recorder, Glass level. V. G. Poltsch. 2,628,428, Feb. 17.
 Gear: See—
 Hypoid differential gear.
 Gear generating machine with rack type cutter. E. W. Miller. 2,628,538, Feb. 17.
 Gear shaping machine, Multiple spindle. E. W. Miller. 2,628,537, Feb. 17.
 Gearing. A. J. La Beck and L. E. Hay. 2,628,506, Feb. 17.
 Generator: See—
 Steam generator.
 Generator with variable frequency and power transmission systems. H. Deschmann. 2,629,075, Feb. 17.
 Golf bag carrier. J. H. Gunning. 2,628,801, Feb. 17.
 Golf ball tester, Portable. G. M. Wick. 2,628,496, Feb. 17.
 Governor for jet engines with electrically operated safety device. Hydraulically operated speed. A. G. Silvester. 2,628,872, Feb. 17.
 Greases using reaction products of alpha-hydroxy fatty acids. Production of. W. B. Whitney. 2,628,938, Feb. 17.
 Grinder for roller-skate wheels. G. K. Ware. 2,628,459, Feb. 17.
 Grinding machine, Gear. H. Bühler. 2,628,458, Feb. 17.
 Guillotine knife-automatic electrical back gauge. F. W. Seybold. 2,628,680, Feb. 17.
 Guitarr damper. G. Van Eps. 2,628,524, Feb. 17.
 Gun control system. D. D. Terwilliger, H. Mazur, and L. L. Jackson, Jr. 2,628,535, Feb. 17.
 Gyrotory crusher. J. R. and D. Kueneman. 2,628,788, Feb. 17.
 Handle: See—
 Reel-receiving fishing rod handle.
 Handle and manufacturing the same, Luggage. A. J. Rognevoog, Sr. 2,628,695, Feb. 17.
 Handle for rimmed cans, Detachable ball-shaped. W. J. Doty. 2,628,858, Feb. 17.
 Handrail for moving stairways. W. F. Masek. 2,628,700, Feb. 17.
 Hanger: See—
 Demountable garment hanger.
 Hanger for attachment to structural shapes. H. L. and O. C. Kindorf. 2,628,800, Feb. 17.
 Hardness tester. K. M. Day. 2,628,495, Feb. 17.
 Head for gate operating mechanism for hopper cars. G. B. Dorey. 2,628,574, Feb. 17.
 Heater for plant protection, Radiant. H. P. Bacon. 2,628,609, Feb. 17.
 Heater with heat absorber-transmitter in the fine. Combination gas and electric hot-water. V. R. Rostek. 2,628,597, Feb. 17.
 Heel element, Rotatable and reversible. R. Rochlin. 2,628,439, Feb. 17.
 High-frequency inductor. M. R. Hubbard. 2,629,081, Feb. 17.
 High-pressure pump. M. L. Rhine. 2,628,568, Feb. 17.
 Hog watering tank. H. A. Smith. 2,629,040, Feb. 17.
 Hold down clamp. B. W. Olson. 2,628,397, Feb. 17.
 Holder: See—
 Fishing rod or pole holder. Sales book holder.
 Key check and matchbook holder. Tennis ball holder.
 Three-part clamp holder.
 Holder and dispenser, Food package. G. Simanlian and R. H. Linkert. 2,628,876, Feb. 17.
 Holder for nursing bottles. A. G. Wahlberg. 2,628,802, Feb. 17.
 Hook: See—
 Releasable bale hook.
 Husking corn employing an air blast, Method and apparatus for. J. P. Murdoch. 2,628,621, Feb. 17.
 Hydraulic check. G. H. Hufferd. 2,628,692, Feb. 17.
 Hydraulic control. C. D. Branson. 2,628,489, Feb. 17.
 Hydraulic system for transferring rotary motion to reciprocating motion. C. R. Jacobs. 2,628,564, Feb. 17.
 Hydraulic transmission prime mover control, Rotary. R. E. Orton. 2,628,470, Feb. 17.
 Hydrodynamic transmission. B. J. Piqué. 2,628,509, Feb. 17.
 Hydroxylamine, Preparation of. R. E. Benson. 2,628,889, Feb. 17.
 Hypodermic injection device. J. A. Saffir. 2,628,615, Feb. 17.
 Hypoid differential gear. V. E. Gleasman. 2,628,508, Feb. 17.
 Icing machine, Master car. H. O. McLain. 2,628,477, Feb. 17.
 Illuminated message case. J. F. Holtje. 2,629,043, Feb. 17.
 Indicator: See—
 Tow target bit indicator.
 Indicator for liquid pumps, Feed. G. C. Fairbairn and H. M. Putnam, Jr. 2,629,089, Feb. 17.
 Insulated rail joint. R. W. Payne. 2,628,784, Feb. 17.
 Insulator support. B. M. Smalley. 2,628,803, Feb. 17.
 Intermediate metallic oxide film in a multiple layer article, Producing an. A. R. Weinrich. 2,628,921, Feb. 17.
 Internal-combustion engine. J. M. Ulrich. 2,628,603, Feb. 17.
 Iron catalyst for the hydrogenation of carbon monoxide. W. Rottig. 2,628,969, Feb. 17.
 Irrigation machine. J. F. Maggart. 2,628,863, Feb. 17.
 Jacket for phonograph records. R. A. Froehlig. 2,628,619, Feb. 17.
 Jar and container with follower resting on a vertical column. Cold cream and chemical cream dispensing. T. J. Newlyn. 2,628,743, Feb. 17.
 Jet combustion device embodying pretreatment of fuel before combustion. D. P. Heath. 2,628,475, Feb. 17.
 Joint: See—
 Expansion joint. Insulated rail joint.
 Joints, Making universal. F. W. Sampson. 2,628,416, Feb. 17.
 Key check and matchbook holder. D. G. Ford. 2,628,712, Feb. 17.
 Key retainer. K. F. Sonntag. 2,628,492, Feb. 17.
 Knife, Expandable pipe-cleaning. R. F. Therrien. 2,628,380, Feb. 17.
 Lamp supported reflector unit. M. Liberman. 2,629,046, Feb. 17.
 Laterally movable door. G. Madland. 2,628,389, Feb. 17.
 Lead activated calcium zinc silicate phosphor and making same. R. Nagy. 2,628,944, Feb. 17.
 Lens device in welder's hood, Ophthalmic. E. L. Rabben. 2,628,530, Feb. 17.
 Lens for aerial photography, Five component objective. J. G. Baker. 2,628,532, Feb. 17.
 Leuco ester printing compositions and solubilizers therefor. D. I. Randall and N. W. Solonen. 2,628,862, Feb. 17.
 Light stable polymers stabilized with amine oxides. G. C. Claver, Jr. 2,628,931, Feb. 17.
 Light transmissive electrically conducting article. W. H. Colbert, A. R. Weinrich, and W. L. Morgan. 2,628,927, Feb. 17.
 Lighting system, Gaseous discharge tube. M. Nathanson. 2,629,072, Feb. 17.
 Lipstick assembly. J. De Mario. 2,628,624, Feb. 17.
 Liquid controlled device with self-cleaning valve. C. Collins. 2,628,630, Feb. 17.
 Liquid soap dispenser. D. T. Mowbray. 2,628,744, Feb. 17.
 Loading attachment for tractors. C. F. and M. E. Spelcher. 2,628,730, Feb. 17.
 Lock: See—
 Antiflapping lock. Safety lock.
 Push-button combination lock.
 Lock stitch machine, Rotary take-up. C. F. Rubel. 2,628,583, Feb. 17.
 Lock structure, Electric. W. Raphael. 2,629,029, Feb. 17.
 Locking mechanism for accounting machines. W. P. Loudon. 2,628,777, Feb. 17.
 Locking mechanism, Quick release. F. R. Gardner. 2,628,854, Feb. 17.
 Loosening apparatus for wall coverings. A. S. Christopher. 2,628,610, Feb. 17.
 Lubricant, Extreme pressure. E. B. Cyphers and W. E. Waddey. 2,628,940, Feb. 17.
 Lubricant, Extreme pressure. D. E. Adelson, G. L. Perry, and G. G. Pritsker. 2,628,941, Feb. 17.
 Lubricating apparatus, Spring. E. F. Mitton. 2,628,518, Feb. 17.
 Lubricating oils containing metal derivatives of cyclic imides. J. R. Morris and J. R. Roach. 2,628,942, Feb. 17.
 Luggage construction. M. Kushner. 2,628,694, Feb. 17.
 Luminous attachment for locks. B. Heinz. 2,629,057, Feb. 17.
 Machine for assembling a workplace on another part. E. W. Bailey and J. T. Faulk. 2,628,520, Feb. 17.
 Machine for making filter and like tips for cigarettes. H. Gamble. 2,628,541, Feb. 17.
 Machine for marking a pattern on cloth. C. Mishkin. 2,628,555, Feb. 17.
 Machine for scrubbing inner side wall and bottom of cylindrical containers. A. F. Darrah. 2,628,379, Feb. 17.
 Machine for uncasing bottles and jars. H. T. Griswold. 2,628,732, Feb. 17.
 Machine for washing mica pieces and the like. M. D. Heyman. 2,628,461, Feb. 17.
 Machineable molybdenum, Manufacture of. J. H. Ramage and R. D. Mallin. 2,628,926, Feb. 17.
 Magnetic blowout construction and shield. P. V. Yingst. 2,629,035, Feb. 17.

Magnetic control system for railway traffic. L. J. A. Le Goff. 2,628,572, Feb. 17.
 Magnetic orientation. N. E. Klein. 2,628,502, Feb. 17.
 Magnetometer. F. Haalek. 2,629,003, Feb. 17.
 Magnetron device. Tunable. W. M. Gottschalk and R. E. Chaffee. 2,629,068, Feb. 17.
 Maintaining unrestricted flow of refrigerating air through ducts or the like. Means for. P. C. Scofield and F. H. Green. 2,628,481, Feb. 17.
 Mass spectrometry. C. F. Robinson. 2,629,035, Feb. 17.
 Massaging device. F. F. Wagner. 2,628,611, Feb. 17.
 Measuring device for tooth paste tubes. J. V. Kierulff. 2,628,742, Feb. 17.
 Measuring leg with an adjustable measuring surface for gauges. C. Herzstark. 2,628,429, Feb. 17.
 Mechanical reel. E. L. Huff. 2,628,486, Feb. 17.
 Mechanism for producing simultaneous oscillating and rotary motion. W. Messinger. 2,628,503, Feb. 17.
 Merchandising and directly dispensing liquid infant food. Methods and devices for. J. J. Horan. 2,628,911, Feb. 17.
 Merchandising and dispensing liquid infant food. Methods and devices for. J. J. Horan. 2,628,910, Feb. 17.
 Metal shaping machine. J. R. Turner. 2,628,584, Feb. 17.
 Metallized spirit-soluble azo dyestuffs. H. B. Freyermuth. 2,628,980, Feb. 17.
 Meter: See—
 Direct-reading photoelectric fluid meter. Fluid meter. tris exposure meter.
 Meter calibrator. Detonation. D. R. de Boleblanc. 2,629,053, Feb. 17.
 Meter mechanism. Packing. R. S. Sanford and J. O. Eames. 2,628,699, Feb. 17.
 Metering system for gas turbine engines. Fuel. W. L. Dray and F. V. Kusnitz. 2,628,472, Feb. 17.
 Micrometer adjustment device for valves. C. J. Mehler. 2,628,588, Feb. 17.
 Micrometer. Electrical. M. L. Greenough. 2,629,004, Feb. 17.
 Milk transfer unit for automatic milking machines. R. E. Reeve. 2,628,589, Feb. 17.
 Mineral oil composition. E. S. Blake. 2,628,939, Feb. 17.
 Mirror and direction indicator for vehicles. Combined. L. A. Ross. 2,629,087, Feb. 17.
 Modified polyvinyl acetate compositions. F. T. Buckley. 2,628,950, Feb. 17.
 Molding concrete. Method and apparatus for. K. P. Billner. 2,628,402, Feb. 17.
 Molding machine and process. Pulp. W. H. Randall. 2,628,540, Feb. 17.
 Molten gelatin solution. Preparing. J. O. Scherer. 2,628,916, Feb. 17.
 Motion-picture viewer. F. T. Coffey, Sr. 2,628,526, Feb. 17.
 Motor: See—
 Electric motor. Multicylinder motor.
 Motor for phonograph turntables. Plural speed changer. A. F. Deming. 2,628,564, Feb. 17.
 Motor fuel. Preparation of improved. D. E. Burney and B. H. Shoemaker. 2,628,981, Feb. 17.
 Mounting: See—
 Sink mounting.
 Mounting for large globe made up of hemispherical sections. R. R. Dupler. 2,628,436, Feb. 17.
 Mounting for tilt-up type garage doors. R. B. Rogers. 2,628,386, Feb. 17.
 Mouthpiece for bottles. Drinking. A. J. Warneke. 2,628,736, Feb. 17.
 Mower attachment for tractors. S. H. Gillespie. 2,628,467, Feb. 17.
 Multicylinder motor. L. C. Maher. 2,628,604, Feb. 17.
 Multifloride sanitary tooth paste dispenser. R. T. James. 2,628,746, Feb. 17.
 Multistage reel. K. M. McLellan. 2,628,411, Feb. 17.
 Muting system for signal amplifiers. J. R. Kilgore. 2,629,026, Feb. 17.
 N-aryl-4-amino butanols. Making. H. E. Winberg. 2,628,978, Feb. 17.
 Naphthostyryls. Preparation of. M. Scalera, W. B. Hardy, and J. J. Leavitt. 2,628,964, Feb. 17.
 Necktie knot form. A. J. Kueh. 2,628,360, Feb. 17.
 Needle kit. Knitting. R. L. Flannery. 2,628,711, Feb. 17.
 Needle with improved block. Self-threading sewing machine. G. Martinelli. 2,628,582, Feb. 17.
 Neutral density filter screen. J. A. Gibbons. 2,628,534, Feb. 17.
 Ni-Cr-Mn alloys. J. H. Jackson and C. T. Greenidge. 2,628,900, Feb. 17.
 Night stand. M. M. Schults. 2,628,879, Feb. 17.
 Nipple. Vented nursing. C. W. Ransom. 2,628,616, Feb. 17.
 Nosal device. Garden hose. L. C. Mitcham. 2,628,868, Feb. 17.
 Nossal, Duplex. W. J. Puresha, Jr. 2,628,867, Feb. 17.
 Nozzle with brush. Section. A. M. Lewyt and C. E. Meyerboefer. 2,628,383, Feb. 17.
 Nursing device. J. J. Horan. 2,628,906, Feb. 17.
 Obtaining cellular polymeric materials. W. J. Wayne. 2,628,945, Feb. 17.
 Olefin oxides. Preparation of. F. W. Sullivan, Jr. 2,628,965, Feb. 17.
 Olefinic interpolymers and making same. C. I. Parrish. 2,628,955, Feb. 17.
 1,4-diamino-2,3-anthraquinone-dicarboximides. J. F. Laucus and S. B. Speck. 2,628,963, Feb. 17.
 1,1-difluoroethylsulfonates and preparing them. J. D. Calfee and P. A. Florio. 2,628,972, Feb. 17.
 1,1,3-trichloro-3,3-difluoropropene. R. P. Ruh. 2,628,988, Feb. 17.
 One-piece fabric foot protector. M. G. Lucha. 2,628,438, Feb. 17.
 1,3-dichloro-2,3,3-trifluoropropene. R. P. Ruh. 2,628,987, Feb. 17.
 Opener. Can. J. H. Crews. 2,628,421, Feb. 17.
 Opener. Can. L. I. Yeomans. 2,628,422, Feb. 17.
 Operating bar receiving head for shaft of gate operating mechanism for railway cars. G. B. Dorey. 2,628,575, Feb. 17.
 Operating device for the charging valves of gas producers. G. Chaplin. 2,628,728, Feb. 17.
 Operating mechanism for sliding gates for hoppers of hopper type cars. G. B. Dorey. 2,628,573, Feb. 17.
 Operator for multiple valve assemblies. Selective type. I. P. Pedrick. 2,628,637, Feb. 17.
 Optical reflecting and converging mirror device. Image forming. R. A. Oetjen. 2,628,533, Feb. 17.
 Overwound filament. H. J. Dailey. 2,629,065, Feb. 17.
 Package for deodorants, statuettes, and the like. J. F. Diederich. 2,628,713, Feb. 17.
 Packaging for liquid infant food. J. J. Horan. 2,628,909, Feb. 17.
 Packaging machine. A. C. Gannon and C. E. Kilby. 2,628,758, Feb. 17.
 Packaging machine. Ice-cream. W. H. Allison. 2,628,756, Feb. 17.
 Packaging material. E. D. Darden. 2,628,907, Feb. 17.
 Packing case and the like. Adjustable. A. J. Zeni. 2,628,737, Feb. 17.
 Packing stand. C. F. Stevens. 2,628,760, Feb. 17.
 Pad: See—
 Coat hanger extension pad. Denture pad.
 Paper. Manufacture of creped. A. B. Stevenson. 2,628,656, Feb. 17.
 Partial esters of polyhydric alcohols with carboxylic acids. Preparation of. R. C. Voegell. 2,628,967, Feb. 17.
 Pedicure device. P. Reid. 2,628,623, Feb. 17.
 Pencil pointer. E. E. Aylor. 2,628,593, Feb. 17.
 Percussion drill bit body. A. H. and J. H. Alexander. 2,628,821, Feb. 17.
 Percussive tool. T. H. Wilson and R. H. Richardson. 2,628,509, Feb. 17.
 Perforate bodies. Preparing. I. Psyches. 2,628,417, Feb. 17.
 Phase modulating apparatus. M. R. Ludwig. 2,629,060, Feb. 17.
 Phenols and ketones. Manufacture of. R. V. Aller, R. H. Hall, D. C. Quin, and K. H. W. Turck. 2,628,984, Feb. 17.
 Phenols. Manufacture of. B. V. Aller, R. H. Hall, D. C. Quin, and K. H. W. Turck. 2,628,983, Feb. 17.
 Phenols. Production of. D. E. Winkler and H. D. Finch. 2,628,985, Feb. 17.
 Phonograph. C. B. Dale. 2,628,845, Feb. 17.
 Phonograph. Automatic. A. E. Comstock. 2,628,843-4, Feb. 17.
 Pipe: See—
 Smoking pipe.
 Pipe puller. E. F. Sheak. 2,628,820, Feb. 17.
 Piston. J. P. Butterfield. 2,628,602, Feb. 17.
 Plant packing machine. A. D. Field. 2,628,753, Feb. 17.
 Play pool. Collapsible. E. C. Wallace and J. Meekin, Jr. 2,628,364, Feb. 17.
 Play yard. Juvenile. H. L. Hoke. 2,628,370, Feb. 17.
 Plier-wrench. N. and A. Berglund. 2,628,521, Feb. 17.
 Pliers. Nail straightening. W. C. Hand. 2,628,619, Feb. 17.
 Plug for core bits. Magnetic. L. O. Herndon. 2,628,822, Feb. 17.
 Pocket clip. R. W. Richards. 2,628,395, Feb. 17.
 Polyester synthetic lubricants. R. T. Sanderson. 2,628,974, Feb. 17.
 Polymerizable esters of alpha-methylene carboxylic acids. J. A. Bittles, Jr. 2,628,958, Feb. 17.
 Polyvinyl acetate emulsion containing an acetic acid ester of glycerol. W. G. Kunze and R. B. Evans. 2,628,948, Feb. 17.
 Portable beach shade support. M. A. Campomar. 2,628,797, Feb. 17.
 Positioning battery plates for lead-burning. Method and apparatus for. B. A. Weldeman. 2,628,992, Feb. 17.
 Posture corrector. B. P. London. 2,628,613, Feb. 17.
 Power plant. Gas turbine. J. A. Rydmark and H. O. Pedersen. 2,628,766, Feb. 17.
 Power plant having radially and axially displaced jet engines. Stationary. J. Frye. 2,628,473, Feb. 17.
 Power transmission. J. A. Seede. 2,629,082, Feb. 17.
 Pressure control apparatus having limiting controller. A. B. Chudyk. 2,629,074, Feb. 17.
 Preventing discoloration of sliced organic materials. L. L. Antle and R. M. Bohn. 2,628,905, Feb. 17.
 Printing and issuing mechanism. Receipt. W. P. London. 2,628,774, Feb. 17.
 Printing mechanism. B. K. Slonneger. 2,628,557, Feb. 17.
 Printing plates and cylinders with chloro-bromide resist-forming film. Preparation of. H. Kott. 2,628,903, Feb. 17.
 Projector. Smoke ring. T. M. Sheltinn. 2,628,450, Feb. 17.
 Propellant powder grain for rocket motors. B. H. Sage and W. N. Lacey. 2,628,561, Feb. 17.
 Propeller electrical connector system. E. W. Radtke and W. E. Diefenderfer. 2,628,794, Feb. 17.

Protector: See—
 Check and script protector.
 One-piece fabric foot protector.
 Puller: See—
 Pipe puller. Rope puller.
 Pulley. Self-cleaning grooved rubber covered. W. C. Stelmets. 2,628,709, Feb. 17.
 Pulp wad. Molded. W. H. Randall. 2,628,560, Feb. 17.
 Pulverizing apparatus with screened discharge. Moving-fluid-stream. R. P. Piperoux, D. B. Hertz, and W. P. Moeller. 2,628,786, Feb. 17.
 Pump: See—
 Fuel injection pump. Vacuum pump.
 High-pressure pump.
 Reversible variable capacity fluid pump.
 Pump apparatus. D. Murphy. 2,628,745, Feb. 17.
 Pump for drilled wells. Fluid operated reciprocating. W. C. Richardson. 2,628,565, Feb. 17.
 Pump with double-acting direct-connected booster pump. Fluid-operated. C. J. Coberly. 2,628,563, Feb. 17.
 Pump with tandem booster pumps. Fluid-operated. C. J. Coberly. 2,628,562, Feb. 17.
 Push-button combination lock. M. Klein. 2,628,490, Feb. 17.
 Pyrolytic conversion of hydrocarbons with the aid of a fluid catalyst. H. I. Ringenberg. 2,628,932, Feb. 17.
 Radio location system. J. E. Hawkins. 2,629,091, Feb. 17.
 Radiosonic buoy. Expandable. R. I. Mason, J. A. Barkson, and J. C. McNary. 2,629,083, Feb. 17.
 Reaming and julcing device. Fruit and vegetable. F. D. Robmer. 2,628,647, Feb. 17.
 Receptacle filler. R. E. Bodendoerfer. 2,628,759, Feb. 17.
 Reclining chair. J. M. Jensen. 2,628,663, Feb. 17.
 Recording and reproducing displacements. Method and means for. L. E. de Neergaard. 2,628,539, Feb. 17.
 Recording and reproducing machine. Portable sound. F. L. Moore and W. A. Roberts. 2,628,842, Feb. 17.
 Recording method. E. W. Adams, Jr. 2,628,881, Feb. 17.
 Reduction of carbon formation in hydrocarbon synthesis. C. H. Holder. 2,628,968, Feb. 17.
 Reduction of steroid ketones with alkali metal borohydride. R. P. Graber and N. L. Wendler. 2,628,966, Feb. 17.
 Reel: See—
 Mechanical reel. Thread-advancing reel.
 Multistage reel. Thread storage reel.
 Reel-receiving. Fishing rod handle. R. D. Colmery. 2,628,446, Feb. 17.
 Refractory bonding material. Preparing. L. W. Austin and J. C. Hicks. 2,628,915, Feb. 17.
 Refrigeration. Method of and apparatus for. E. W. Zearfoss, Jr. 2,628,478, Feb. 17.
 Refrigeration of fish. P. M. Garnier. 2,628,483, Feb. 17.
 Refrigerator construction. J. Poth. 2,628,388, Feb. 17.
 Regeneration of solid adsorbents. S. Eagle and J. W. Scott, Jr. 2,628,933, Feb. 17.
 Registering device. J. P. Fay. 2,628,556, Feb. 17.
 Registering device for printing presses. I. Levin. 2,628,558, Feb. 17.
 Regulator: See—
 Fluid pressure regulator. Window regulator.
 Voltage regulator.
 Releaseable bale hook. G. E. Nelson. 2,628,857, Feb. 17.
 Removal of boron fluoride from reactive hydrocarbons. H. G. Schneider, W. C. Van Sice, and P. W. Brakeley, Jr. 2,628,991, Feb. 17.
 Replicas for use in the production of refractory molds. L. E. Vailly. 2,628,394, Feb. 17.
 Reversible variable capacity fluid pump. W. H. De Lancey and E. E. Vincent. 2,628,567, Feb. 17.
 Rivet-bucking tool. S. E. Hinkle. 2,628,515, Feb. 17.
 Rod and reel. Fishing. N. Oak. 2,628,444, Feb. 17.
 Roller-skate wheel. H. F. Whitcomb, Jr. 2,628,869, Feb. 17.
 Rolling machine. Ice-cream cone. J. S. Finkle. 2,628,576, Feb. 17.
 Room with movable bed for railway sleeping cars or the like. M. Watter. 2,628,366, Feb. 17.
 Rope puller. P. S. Arnold. 2,628,813, Feb. 17.
 Rotary cutting tool. F. R. Lankford. 2,628,512, Feb. 17.
 Rotor means for helicopters and the like. H. H. Reuther. 2,628,683, Feb. 17.
 Sack handling device for lift trucks. N. C. Janssen. 2,628,734, Feb. 17.
 Safety control and ignition apparatus for gaseous fuel burners. C. K. Strobel. 2,628,677, Feb. 17.
 Safety control and signal system for motor vehicles. H. T. Higgins. 2,629,085, Feb. 17.
 Safety lock. A. Olsager. 2,628,491, Feb. 17.
 Safety razor blade dispenser. Z. Auerbach. 2,628,710, Feb. 17.
 Safety valve. R. W. Dayton. 2,628,632, Feb. 17.
 Safety valve. C. H. Folmabee. 2,628,633, Feb. 17.
 Sales book holder. B. K. Slonneger. 2,628,878, Feb. 17.
 Sandblasting device. B. R. Berg. 2,628,456, Feb. 17.
 Sandblasting device. G. Kroll and L. Handelman. 2,628,457, Feb. 17.
 Saw and level. Square. H. C. McConnell. 2,628,427, Feb. 17.
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Saw. Shear cut band. A. B. Elbon. 2,628,644, Feb. 17.
 Saw with cable driven carriage. Reciprocating log. D. P. Andrews. 2,628,645, Feb. 17.
 Sawing machine. Wood. J. E. Tompkins. 2,628,643, Feb. 17.
 Scale control switch. R. B. Brown. 2,629,032, Feb. 17.
 Screen: See—
 Neutral density filter screen.
 Screen arrangement for use in conjunction with oil well drilling turbines. C. Parsons. 2,628,819, Feb. 17.
 Seat assembly for pump cages. K. P. Nelsen. 2,628,571, Feb. 17.
 Seat construction, especially for tractors. H. C. Orrick, Jr. 2,628,657, Feb. 17.
 Seat for rotary plug valve. P. L. Mikeska. 2,628,800, Feb. 17.
 Selector marking system. H. L. Lesigne. 2,629,019, Feb. 17.
 Selenium cell and manufacturing the same. G. H. Shoemaker. 2,629,039, Feb. 17.
 Self-service store. R. W. Barrett. 2,628,691, Feb. 17.
 Separation and recovery of naphthenic hydrocarbons from mixtures thereof. M. R. Morrow. 2,628,990, Feb. 17.
 Separation of hydrogen halides from olefinically unsaturated compounds. J. H. Raley, W. E. Vaughan, and L. M. Porter. 2,628,934, Feb. 17.
 Servomotor network. G. P. de Weestfelt. 2,629,077, Feb. 17.
 Sewing machine for making French bindings. J. S. Willis. 2,628,580, Feb. 17.
 Sheet metal feeder. R. Van Schie. 2,628,726, Feb. 17.
 Shelving for refrigerators and the like. Revolving. W. K. Kader. 2,628,880, Feb. 17.
 Shipping structure. Palletized. L. J. Budd. 2,628,715, Feb. 17.
 Shoe tree. Lateral and longitudinal adjustable. J. T. Smithson. 2,628,375, Feb. 17.
 Shovel. Hydraulically operated tractor. G. Reuter. 2,628,731, Feb. 17.
 Signal: See—
 Automatic traffic signal. Traffic signal.
 Sight for twilight firing of small arms. Auxiliary. C. E. West. 2,628,426, Feb. 17.
 Signal flare composition. J. Vinton. 2,628,897, Feb. 17.
 Silicon nitride abrasives. H. de W. Erasmus and W. D. Foreng. 2,628,896, Feb. 17.
 Sink mounting. H. D. Drain. 2,628,365, Feb. 17.
 Sizing agents. W. S. Wilson and A. H. Bump. 2,628,918, Feb. 17.
 Slack adjuster for conveyors. A. Shackoski. 2,628,707, Feb. 17.
 Sleeve extractor. E. E. Skilling. 2,628,420, Feb. 17.
 Sleeve twining device. Wire rope. D. C. Sherman. 2,628,653, Feb. 17.
 Slicing drupe halves. Method of and apparatus for. F. A. Wool. 2,628,649, Feb. 17.
 Slide fastener. O. Firing. 2,628,400, Feb. 17.
 Smoldering pipe. R. L. Smith. 2,628,622, Feb. 17.
 Solder feeding device. J. E. Cowles. 2,628,535, Feb. 17.
 Sonic tiltometer. D. G. C. Hare. 2,629,082, Feb. 17.
 Sound reproducer attachment for headsets. G. A. La Fitta. 2,629,023, Feb. 17.
 Spark plug testing unit. M. F. Peters. 2,629,001, Feb. 17.
 Spark responsive safety control system for gas burners. R. Shottensfeld. 2,628,676, Feb. 17.
 Speech transmission system. C. A. Dahlbom and A. Weaver. 2,629,017, Feb. 17.
 Spleen extract. J. M. Amozurrutia. 2,628,961, Feb. 17.
 Split trolley wire frog or switch. L. H. Hawkes. 2,629,028, Feb. 17.
 Sponge rubber products. Process and apparatus for the manufacture of. S. W. Alderfer. 2,628,654, Feb. 17.
 Spotlight sphere. Hollow revolving illuminated. J. Marshall. 2,629,044, Feb. 17.
 Spout for air-cleaning containers and means for operating it. P. R. Fechtelmer. 2,628,382, Feb. 17.
 Spray control system for dishwashing machines. J. Hertz. 2,628,628, Feb. 17.
 Spraying device. Aerosol paint. E. Rogers. 2,628,864, Feb. 17.
 Spring assembly. Multiple-barrel power. M. Favret. 2,628,690, Feb. 17.
 Spring loaded preloading mechanism for blade retention with increased stiffness. A. N. Allen, Jr. 2,628,687, Feb. 17.
 Sprinkler unit. Flexible. T. P. Duncan, Jr. 2,628,865, Feb. 17.
 Stabilized diazonium salts. Making. W. H. von Glahn and H. A. Bergstrom. 2,628,959, Feb. 17.
 Stabilized lithium base grease. R. A. Butcock. 2,628,949, Feb. 17.
 Stabilizing welding arc. N. E. Anderson. 2,629,071, Feb. 17.
 Stain filler sealer. G. L. Deniston and O. W. Berglund. 2,628,947, Feb. 17.
 Stand: See—
 Christmas tree stand. Night stand.
 Gameboard stand. Packing stand.
 Starting system for internal combustion engines. Hydraulic. R. E. Grier. 2,628,476, Feb. 17.
 Steam chest for sealing machines. W. L. Brown and A. B. Foye. 2,628,757, Feb. 17.
 Steam generator. J. Van Brunt. 2,628,598, Feb. 17.

- Steering actuated by cable means, Four-wheel. W. Isaac. 2,628,848, Feb. 17.
 Sterilizing methods. J. J. Perkins. 2,628,887, Feb. 17.
 Stocking and making the same. R. E. Thompson. 2,628,487, Feb. 17.
 Stretcher for spectacle frames. C. W. Kiofanda. 2,628,517, Feb. 17.
 Stuffing box gland. W. C. Pfeil. 2,628,853, Feb. 17.
 Sunglasses, goggles, and the like. P. Astruck. 2,628,352, Feb. 17.
 Support: See—
 Insulator support.
 Portable beach shade support.
 Switch: See—
 Electrical switch. Scale control switch.
 Electromagnetic switch.
 Switch and lock light, Combination. G. N. Kerkau. 2,629,090, Feb. 17.
 Switch control mechanism. W. E. Engelhard. 2,629,005, Feb. 17.
 Switching arrangement for electrical measuring systems. L. Goodman. 2,628,994, Feb. 17.
 Synthesis of liquid hydrocarbons. J. H. Arnold and F. B. Grosselinger. 2,628,970, Feb. 17.
 Synthetic rubber emulsion polymerizations at subfreezing temperatures. R. W. Brown. 2,628,956, Feb. 17.
 System for removal of heat energy from light beams. F. D. Leslie and H. E. Bragg. 2,628,525, Feb. 17.
 Tally board. J. H. Newman. 2,628,776, Feb. 17.
 Tank: See—
 Fuel tank. Hog watering tank.
 Tank with discharge coupling. Fuel. C. C. Wilda. 2,628,741, Feb. 17.
 Telemeter receiver, Frequency-type. E. E. Lynch and R. D. Leete. 2,629,008, Feb. 17.
 Telephone system, Impulse storage and regenerating polar duplex impulsing. J. Wicka. 2,629,018, Feb. 17.
 Telephone system, Intercommunication. H. G. Wall. 2,629,022, Feb. 17.
 Telephone system, Multichannel mobile. R. H. Herrick. 2,629,092, Feb. 17.
 Telescope with auxiliary optical system, Reflecting. L. E. Braymer. 2,628,529, Feb. 17.
 Television system having reduced transmission bandwidth. R. E. Graham. 2,629,010-11, Feb. 17.
 Temperature compensation adjustment for pressure responsive instruments. E. Knapp. 2,628,501, Feb. 17.
 Temperature indicator. S. E. Blewett. 2,628,442, Feb. 17.
 Tennis ball holder. H. J. Goodman. 2,628,804, Feb. 17.
 Tens carry mechanism for accounting machines. M. M. Goldberg. 2,628,778, Feb. 17.
 Terminal for electrical coils, Extensible folded. L. A. Mayo. 2,628,996, Feb. 17.
 Thermoplastic resins formed from pinewood pitch. T. R. McElhinney and T. D. Woodruff. 2,628,917, Feb. 17.
 Thermostatic mixing valve. F. J. Cantalupo. 2,628,781, Feb. 17.
 Thread-advancing reel. H. P. Fry, Jr. 2,628,409, Feb. 17.
 Thread-advancing reel. W. B. Lowe and H. E. Pape. 2,628,407-8, Feb. 17.
 Thread holder for looms. T. J. Klely. 2,628,639, Feb. 17.
 Thread holder for weft replenishing loom, Pneumatic. J. T. Kennedy. 2,628,640, Feb. 17.
 Thread storage reel. R. W. Stanley. 2,628,410, Feb. 17.
 Thread storage-thread advancing device. G. M. Allen. 2,628,406, Feb. 17.
 Three-part clamp holder. A. J. Gore. 2,628,399, Feb. 17.
 Thrust bearing. A. F. Hickman. 2,628,870, Feb. 17.
 Time delay means for controlling fluid pressure in electric cable systems. G. B. Shanklin. 2,628,905, Feb. 17.
 Timing device. W. C. Morrow. 2,628,409, Feb. 17.
 Tip for umbrellas and means for attaching the covers of umbrellas thereto. M. M. Harris. 2,628,581, Feb. 17.
 Tire and making same, Pneumatic. C. B. Orr. 2,628,652, Feb. 17.
 Tire pressure responsive safety device. B. J. Ainsworth and E. J. Courts. 2,629,086, Feb. 17.
 Titanium dioxide pigments, Production of. C. A. Tanner, Jr., and D. C. Hall. 2,628,919, Feb. 17.
 Toll-ticketing system, Automatic. J. W. Gooderham. 2,629,016, Feb. 17.
 Tool: See—
 Automatic machine tool. Core-sampling tool.
 Burring tool. Percussive tool.
 Centering and well cleaning tool. Rivet-backing tool.
 Rotary cutting tool.
 Tool assembly, Diamond. J. Loey, Jr. 2,628,608, Feb. 17.
 Toolbox with pivoted tray section. R. B. Corkish. 2,628,752, Feb. 17.
 Tool for closing and opening containers of the metal drum or barrel type. W. Lockhart. 2,628,811, Feb. 17.
 Toolholder. T. J. Brown. 2,628,415, Feb. 17.
 Tool with diametrically and axially opposed pressure elements, Pivoted tire bead loosening. R. A. Stubler. 2,628,609, Feb. 17.
 Toothbrush, Mechanical. F. M. Cockriel. 2,628,377, Feb. 17.
 Torch having wick-fed retort, Wick-type liquid fuel hand. H. Sherman, M. A. Silverman, and H. Liberman. 2,628,671, Feb. 17.
 Torque converter. L. Berner and A. L. Jett. 2,628,566, Feb. 17.
 Torque wrench. C. W. Hart. 2,628,497, Feb. 17.
 Tow target hit indicator. R. N. Gangel. 2,628,836, Feb. 17.
 Toy balloons, Manufacture of. L. Landau. 2,628,387, Feb. 17.
 Toy, Bubble-producing. C. S. Raizen. 2,628,449, Feb. 17.
 Toy doll bedstead. M. H. Metzger. 2,628,372, Feb. 17.
 Toy fence. J. P. Rhome and L. D. Curtiss. 2,628,823, Feb. 17.
 Toy fire boat. A. Goldfarb. 2,628,451, Feb. 17.
 Toy holder and guard means. H. Hall. 2,628,666, Feb. 17.
 Traffic controlling system for railroads, Centralized. H. C. Kendall. 2,629,088, Feb. 17.
 Traffic signal. R. H. Givens, Jr., and C. G. Pruett. 2,628,679, Feb. 17.
 Transfer mechanism for counters. H. N. Bliss. 2,628,779, Feb. 17.
 Transferring a magnetic sound track to movie film, Method and apparatus for. A. H. Persoon and C. F. Stebbins. 2,628,929, Feb. 17.
 Transformer and electric motor and combination, Submersible. T. C. Lloyd and S. S. L. Chang. 2,629,076, Feb. 17.
 Trap: See—
 Choker trap.
 Tray construction, Sheet metal table. F. Bennett. 2,628,873, Feb. 17.
 Tricolor separations, Preparing. H. H. Duerr. 2,628,901, Feb. 17.
 Trocar. J. M. Myers. 2,628,404, Feb. 17.
 Trolling propelling means for boats. H. Hoffman. 2,628,586, Feb. 17.
 Tube: See—
 Electron tube.
 Tube making process. P. H. Hance. 2,628,516, Feb. 17.
 Tuned circuit. T. M. Gluyas, Jr., and F. H. Schneider. 2,629,013, Feb. 17.
 Tuner plug coupling. R. C. Carlson. 2,629,080, Feb. 17.
 Turret control mechanism. T. L. Hallenbeck. 2,628,413, Feb. 17.
 Twine holder having a twine guiding notch. J. W. England. 2,628,856, Feb. 17.
 Twisting machine, Pretzel. H. S. Gipe. 2,628,577, Feb. 17.
 Unbalanced-to-ground two-to-four-wire connection. P. G. Edwards. 2,629,024, Feb. 17.
 Undergarment. G. Leventhal. 2,628,353, Feb. 17.
 Unsaturated amides, Preparing. W. E. Grigsby. 2,628,977, Feb. 17.
 Urinal, Portable. J. F. Wright. 2,628,617, Feb. 17.
 V belt and making same. R. R. Riel and R. A. Clausen. 2,628,505, Feb. 17.
 Vacuum pump. H. G. Bowering. 2,628,770, Feb. 17.
 Valve: See—
 Check valve. Flush valve.
 Equalizing and mixing valve. Safety valve.
 Flow equalizer valve. Thermostatic mixing valve.
 Valve assembly. B. B. Gilmore. 2,628,569, Feb. 17.
 Valve assembly, Feeder pail. J. M. Coyner. 2,628,591, Feb. 17.
 Valve control, Flow. N. S. Herod and L. R. O'Neill. 2,628,638, Feb. 17.
 Valve system, Hydraulically actuated supply and exhaust. R. Stevenson. 2,628,635, Feb. 17.
 Valve with lubricant vent, Lubricated. G. R. Ericson and R. A. Shields. 2,628,808, Feb. 17.
 Vane motor center post loading device. W. E. Diefenderfer and A. N. Allen, Jr. 2,628,685, Feb. 17.
 Vanity. M. B. Pike. 2,628,625, Feb. 17.
 Variable electronic capacitance device. P. H. Peters, Jr. 2,629,050, Feb. 17.
 Vehicle and coupling therefor, Trailer. G. Bratlien. 2,628,846, Feb. 17.
 Vehicle for transporting velocipedes. S. R. Hawkins. 2,628,847, Feb. 17.
 Vehicle transmission control. E. C. McRae. 2,628,510, Feb. 17.
 Vending or dispensing machine for cylindrical containers. F. A. Ossanna, Jr. 2,628,875, Feb. 17.
 Ventilator and sun shield. R. C. Stelmach. 2,628,540, Feb. 17.
 Ventilator for telephone booths. J. H. King. 2,628,550, Feb. 17.
 Ventilator, Roof. R. L. Leigh. 2,628,551, Feb. 17.
 Vinyl chloride-styrene copolymers, Producing. H. Tucker. 2,628,957, Feb. 17.
 Visor bracket. W. C. Lincoln. 2,628,807, Feb. 17.
 Visor, Sun. J. W. Greig. 2,628,861, Feb. 17.
 Voltage regulator. L. L. Helterline, Jr. 2,629,078, Feb. 17.
 Voltage sensitive circuit. P. S. Goodwin. 2,629,056, Feb. 17.
 Wallet from one piece of material. A. S. Silva. 2,628,650, Feb. 17.
 Washer and drier, Egg. W. H. Scribner. 2,628,376, Feb. 17.
 Washing glass bottles and composition therefor. M. L. Haasel. 2,628,943, Feb. 17.
 Washing machine provided with conical rinse water distributing means. M. L. France and W. G. Landwiler. 2,628,488, Feb. 17.
 Water bag carrier. M. H. Palmer. 2,628,750, Feb. 17.

- Watering device, Livestock. R. J. Boyd. 2,628,631, Feb. 17.
 Wave filtering device, Electromagnetic. J. Reed. 2,629,015, Feb. 17.
 Waveguide attenuator and modulator. T. Miller and R. H. Webb. 2,629,079, Feb. 17.
 Web extrusion die. H. T. Torberg. 2,628,386, Feb. 17.
 Web feeding mechanism for photographic apparatus and the like. J. F. Craib. 2,628,834, Feb. 17.
 Web perforating mechanism. G. Kane. 2,628,681, Feb. 17.
 Weeder, Rod. T. E. Kemping. 2,628,546, Feb. 17.
 Weft detector for looms. S. F. Siciliano. 2,628,641, Feb. 17.
 Well drilling rig. T. S. Graham. 2,628,818, Feb. 17.
 Wheel: See—
 Roller-skate wheel.
 Wheel and axle assembly. P. S. McCallen and H. W. Jones. 2,628,859, Feb. 17.
 Wheel for automotive vehicles. P. G. Gilbert. 2,628,651, Feb. 17.
 Wheel gauge. T. F. Krumm. 2,628,430, Feb. 17.
 Winding and reeling mechanism for electrical cables. A. R. Platt. 2,629,027, Feb. 17.
 Window. R. A. Gillespie. 2,628,392, Feb. 17.
 Window, Combination storm. C. L. Webster. 2,628,678, Feb. 17.
 Window construction. A. M. Starck. 2,628,390, Feb. 17.
 Window construction. W. E. Tourtelotte. 2,628,391, Feb. 17.
 Window regulator. C. H. Blanton. 2,628,833, Feb. 17.
 Wire lath, Making. R. F. Stockton. 2,628,642, Feb. 17.
 Wrapper, Ready. M. N. Rubinstein and S. Caplin. 2,628,764, Feb. 17.
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 Torque wrench.
 Wrench convertible to box-type wrench, Open-end. F. E. Kraft. 2,628,522, Feb. 17.
 Wrench provided with a rotter pin hole locator. A. L. Williams. 2,628,523, Feb. 17.
 Yankee drier. H. M. Ostering. 2,628,433, Feb. 17.
 Zero stop mechanism. M. A. Goodbar, E. H. Placke, and C. G. Falkner. 2,628,780, Feb. 17.

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Volume 667

Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

SINCLAIR WEEKS, *Secretary*

U. S. Patent Office

ROBERT C. WATSON, *Commissioner*



PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business February 6, 1953

Total number of patent applications awaiting action, 100,257. Date of oldest new application, May 6, 1952; date of oldest amended application, May 6, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
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30. BISHOFF, A., Fluid Sprinkling, Spraying, and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidistats; Heating Systems; Refrigeration; Illuminating Burners.	6-23-52	6-23-52	1491
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Ayclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-15-52	5-12-52	2432
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Fluid Pressure Modulators and Self-Proportioning Systems.	6-7-52	6-4-52	1418
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	5-20-52	5-20-52	1748
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles, Vehicle Fenders; Hand and Hoist Line Implements.	5-15-52	5-14-52	1203
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	6-4-52	6-2-52	1320
36. McFADYEN, A. D., Measuring and Testing	6-2-52	6-2-52	1122
37. LEVY, L. M., Electricity—Switches, Welding, Heating; Recorders	6-3-52	6-3-52	2022
38. ARNOLD, D., Coating Processes and Apparatus; Preserving Apparatus (part); Abrasive Tool Making Processes and Materials; Coating or Plastic Compositions (part).	5-23-52	6-24-52	1525
39. WEIL, I., Fluid-Pressure Regulators; Valves; Fluid Handling (part)	7-21-52	7-22-52	1282
40. DRUMMOND, E. J., Receptacles (part); Packages	8-5-52	8-1-52	1135
41. GURLEY, R. B., Check Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-7-52	6-4-52	965

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 100,257. Date of oldest new application, May 6, 1952; date of oldest amended application, May 6, 1952.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Electric Signaling (part), except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection; Signals; Telegraph (part); Signals and Indicators.	6-2-52	6-6-52	1080
43. ASP, N. A. (KNIGHT, W. O., Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	6-7-52	6-3-52	1617
44. COBLE, A. S. (Acting), Beds; Chairs; Seats.	5-10-52	5-10-52	1186
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	6-18-52	6-12-52	1326
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles; Liquid Level Responsive Systems.	5-26-52	5-7-52	1016
47. KANOF, W. J., Mining, Quarrying, and Ice Harvesting; Motor Vehicles; Land Vehicles (part).	5-14-52	5-12-52	1660
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	5-21-52	5-27-52	1676
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring.	5-10-52	5-22-52	1354
50. BENQEL, W. O., Synthetic Resins; Rubber.	7-2-52	7-3-52	1560
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	5-15-52	5-16-52	1551
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	6-12-52	6-14-52	2048
53. BRINDISI, M. V., Label Pasting and Paper Hanging, Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	6-11-52	6-9-52	1017
54. NILSON, R. O., Electric Lamp and Discharge Devices, Systems, Structures; Light Sensitive Circuits; Ray Energy Applications.	5-19-52	5-19-52	1832
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet.	6-3-52	6-2-52	1001
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Liquid Separation or Purification.	6-3-52	6-3-52	1372
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	6-26-52	6-18-52	1684
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators; Baths, Closets, Sinks and Spitoons.	5-12-52	5-26-52	1251
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating.	6-2-52	6-9-52	1287
60. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	5-14-52	5-23-52	1112
61. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors.	6-9-52	6-6-52	1170
62. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part).	5-6-52	5-14-52	1821
63. GORECKI, O. A., Fuels and Miscellaneous Compositions.	5-10-52	5-12-52	1860
64. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	5-23-52	5-27-52	1302
65. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales.	5-24-52	5-16-52	894
66. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation; Paper Making.	5-27-52	5-24-52	1727
67. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	7-6-52	7-2-52	1218
68. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	5-31-52	5-28-52	1135
69. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	5-6-52	5-6-52	3202
DESIGNS: A.—BREHM, O. L., Industrial Arts.	10-11-52	10-10-52	850
B.—GRAY, M. A., Household, Personal and Fine Arts.	10-10-52	10-27-52	809

*Div. 60 was abolished as of December 15, 1952. See Commissioners Administrative Order No. 41. (605 O. O. 994).

Total number of trade-mark applications awaiting action (including renewals and republications), 12,679. Date of oldest new application, September 2, 1952; date of oldest amended application, September 1, 1952.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 12, 15, 18, 27, 28, 30, 33, 35, 44, 51, 52.	9-2-52	9-2-52	2760
II. SUMMERS, O. S., Classes 9, 10, 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34, 36.	9-2-52	9-2-52	2879
Renewals (All Classes).	12-8-52	1-19-53	473
Republications (All Classes).	12-1-52	12-1-52	283
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49.	9-3-52	9-1-52	3094
IV. KEYS, O. M., Classes 2, 11, 16, 29, 46, 50, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107.	9-2-52	9-2-52	3190

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SPRAYED INSULATION, INC. v. SPRAY-FLAKE CO.

No. 5907. Decided December 17, 1952

[— F.2d —; — USPQ —]

1. TRADE-MARK—ACT OF 1946—GOODS NEED NOT POSSESS SAME DESCRIPTIVE PROPERTIES.

Held that under the act of 1946, the petitioner in a cancellation proceeding need not establish that the goods of the parties possess the same descriptive properties.

2. SAME—CANCELLATION—NECESSARY PROOF FOR LACHES AS A DEFENSE.

Where respondent in a cancellation proceeding pleaded the equitable defense of laches, Held that he was obliged to prove not only that the alleged laches was accompanied by the element of estoppel but also fix the date at which the petitioner first learned of the respondent's infringement.

3. SAME—SAME—INJURY TO FIRST REGISTRANT IS PRESUMED.

Injury to the owner of a previously registered un-abandoned mark will be presumed to follow the subsequent registration of a confusingly similar mark for related goods.

4. SAME—SAME—"SPRAY KOTE."

The decision of the Commissioner of Patents sustaining the appellee's petition to cancel appellant's registration of the mark "Spraykote" is affirmed.

APPEAL from Patent Office. Cancellation No. 5470. AFFIRMED.

Harry Sommers (Robert I. Dennison of counsel) for appellant.

Cramirell, Greist & Warden (Raymond L. Greist and Fred S. Lockwood of counsel) for appellee.

O'CONNELL, J.:

This is an appeal in a cancellation proceeding from the decision of the Commissioner of Patents, acting through the Assistant Commissioner, Honorable Ernest F. Klinge, who affirmed that of the Examiner of Interferences, 90 USPQ 139. Those concurring decisions sustained appellee's petition to cancel appellant's registration of the mark "Spraykote," issued December 24, 1946, under the act of March 19, 1920, on the ground that appellant's mark was confusingly similar to the un-abandoned mark "Spray-Cote," previously owned and continuously used by appellee in interstate commerce since January 28, 1943, on closely related merchandise.

There were but two issues raised by the pleadings before the tribunals of the Patent Office; namely,

priority of appellee's use of its mark in interstate commerce and appellee's alleged laches, acquiescence, and delay asserted in appellant's answer, as a separate and affirmative defense, appellant in said answer having expressly made the following admission:

3. It [appellant] admits that the trade-mark alleged in the petition to be used by the petitioner—"Spray-Cote"—is confusingly similar to registrant's trade-mark "Spraykote," and that the goods on which the petitioner alleges it is using the trade-mark "Spray-Cote" are those upon which registrant's trade-mark is used are of the same descriptive properties.

Both of the parties took testimony, filed briefs, and were represented at the hearings before the Examiner and the Commissioner. Irrespective of the allegations of its pleadings hereinbefore described, appellant contended before the Commissioner of Patents and contends in its brief here that the following "Questions Involved and Errors to be Itelled Upon," when properly considered, are determinative of the issues presented by the record. They will be dealt with in sequence.

"1. Do the Goods of the Parties Possess the Same Descriptive Properties?"

The record discloses that appellant's product, sold under the mark "Spraykote," consists of asbestos in a finely divided form for use in forming acoustical or bent insulation material, whereas appellee's product, sold under the mark "Spray-Cote," consists of acoustical insulation containing. It is a paint-like liquid intended for use as a coating for material similar to the use for which appellant's goods are applied.

The point in question was properly disposed of by the concurring decisions of the tribunals, as summarized in the Commissioner's decision in the following statement:

• • • Aside from the fact that respondent admitted in its answer to the petition that its goods possess the same descriptive properties as the goods of the petitioner it was the view of the Examiner of Interferences, that petitioner's coating composition and respondent's insulating coating composition are so nearly related as to constitute goods of the same descriptive properties. I consider the two goods closely related especially in view of the fact that companies which use the one type of goods also use the other, both are used together on the same job in connection with the same type of work, and are similarly applied.

[1] It is interesting to note that appellee's petition for cancellation here in issue, as well as appellant's answer thereto, were filed in the latter part of 1940, long after the Trade-Mark Act of 1946 had gone into effect eliminating from the law of the term

Vol. 667 • No. 4

Tuesday, February 24, 1953

Price \$35.00 per year

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"points of the same descriptive properties." It is no longer necessary to establish thereunder that the goods of the parties possess the same descriptive properties. *The Alligator Co. v. Larus & Bro. Co., Inc.*, 30 CCPA (Patents) 1030, 106 F.2d 532, 103 USPQ 436; *The Pop Rops v. The Edwin F. Guth Co.*, 39 CCPA (Patents) 1015, 107 F.2d 527, 104 USPQ 158; *Greyhound Corp. v. Robinson Houchin Corp.*, 80 USPQ 621; Robert, "The New Trade-Mark Manual," pages 58-59.

"2. Did Appellee Establish the User Required for These Proceedings?"

Appellee's testimony and documentary evidence disclose that the mark "Spray-Cote" originated with appellee as early as September 1942, was first used in interstate commerce on January 28, 1943, and has been used ever since in that respect, including the year preceding the filing of appellant's application for registration on March 2, 1946, under the act of March 1920. Since such a registration is cancellable where the registrant did not have bona fide, exclusive use of the mark during the year preceding the filing of the application, appellee had merely to establish that it was using the mark "Spray-Cote" during that period. See *Old Monk Olive Oil Co. v. SW. Coca-Cola Bottling Co.*, 28 CCPA (Patents) 1091, 118 F.2d 1015, 49 USPQ 192; *Servel, Inc. v. Universal Slide Fastener Co., Inc.*, 57 USPQ 330; *Snowflake Garment Mfg. Co. v. Burlington Mills, Inc.*, 77 USPQ 601. The record fully supports the position of the tribunals of the Patent Office established by the excerpt from the decision of the Commissioner in the following language:

In regard to the merits of the petition for cancellation the evidence submitted by petitioner and the testimony of its witness Fisher establish beyond any reasonable doubt that petitioner sold its "Spray-Cote" product during the year 1943, long prior to the earliest date of use established by the respondent, and that such sales have continued up to the time of the present proceeding [July 13, 1951].

"3. Is the Appellee Barred in These Proceedings by Laches, Acquiescence and Delay?"

[2] Appellant pleaded the equitable defense of laches and was obliged therefore to prove not only that the alleged laches was accompanied by the element of estoppel but also fix the date at which appellee first learned of appellant's infringement. *Tornello v. Deligiannis Brothers*, 180 F.2d 553, 550;

Speed Products Co., Inc. v. Tinnerman Products, Inc., 93 USPQ 1021, 202; and *Cohn & Rosenbergr, Inc. v. Kaufman & Ruderman, Inc.*, 94 USPQ 13. The following finding was approved by the Commissioner and is here approved:

The equitable principle of laches relates to the lack of diligence in enforcing a right against an infringer thereof; and for this principle to be applicable, it therefore must appear, in the first instance, that the party charged with laches failed to exercise such diligence following notice, actual or constructive, of the facts creating his cause of action. *West Disinfecting Co. v. Owen*, 76 USPQ 315, CCPA; *R. C. Williams & Co. Inc. v. Gordon*, 76 USPQ 67. In the present case, it is the respondent's contention that the petitioner had constructively, if not actual, notice of the respondent's use of the mark "Spray-Cote" for several years prior to the filing of the instant cancellation proceeding on September 14, 1949, because of the respondent's asserted extensive sales and advertising of goods bearing that mark since about 1944. It has not been made to appear as a fact, however, that the petitioner had actual notice of respondent's use of the mark "Spray-Cote" at any time prior to March 15, 1949, when the registration here in question was cited as a reference against the petitioner's application for registration of the mark "Spray-Cote." Nor, in the opinion of the Examiner, has it sufficiently been made to appear that the respondent's sales and advertising of its goods under the mark "Spray-Cote" were of such nature and extent as to have come to the attention of the petitioner in the ordinary course of its business.

[3] Appellant makes the fourth point that appellee's petition for cancellation should have been dismissed for lack of proof on its part of damage or actual confusion in trade. However, as properly indicated below, injury to the owner of a previously registered unabandoned mark will be presumed to follow the subsequent registration of a confusingly similar mark for related goods. *American Cyanamid Co. v. Synthetic Nitrogen Prod. Corp.*, 19 CCPA (Patents) 1235, 58 F.2d 834, 13 USPQ 42; *Lever Bros. Co. v. Armour & Co.*, 58 App. D. C. 20, 24 F.2d 285; *American Thread Co. v. L. Copley-Smith & Sons, Ltd.*, 76 USPQ 128.

Appellant's fifth and final contention is that the decision of this court in *The White Company v. Vita-Vor Corporation*, 37 CCPA (Patents) 1030, 182 F.2d 217, 86 USPQ 84, is a binding and controlling precedent for appellant in the present case. The point is without merit and was held to be so by the tribunals of the Patent Office for the obvious reason that the two cases are essentially different from both a factual and legal viewpoint.

[4] For the reasons hereinbefore stated, the decision of the Commissioner of Patents is affirmed. AFFIRMED.

¹ *West Disinfecting Co. v. Clug C. Owen*, 35 CCPA (Patents) 843, 163 F.2d 450, 76 USPQ 315.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,911,720, Tanner & Lodeesen, Production of phosphate coatings on metals; 2,045,499, same, Method of and material for coating metal surfaces; 2,302,510, same, Material and method for cleaning and coating metal; 1,949,090, same, Method and material for coating metal; 2,012,697, same, Coated non-ferrous metals and method and material for making the same; 2,303,242, Tanner & Harcla, Metal coating; 2,001,753, Tanner & Thompson, Coated copper article and method of making same; 2,007,214, same, Method of coating metal; 2,007,215, same, Method of bonding adhesive coats to metal; 2,418,608, same, Corrosion-

resistance metallic article and method of making same; 2,032,897, R. K. Tanner, Coated aluminum article and method of producing same; 2,076,869, same, Method of making enameled metal articles; 2,081,160, same, Method and material for coating metal; 2,127,044, same, Process for reproducing images; 2,137,908, same, Coated iron article; 2,144,843, same, Sheet metal and method of producing same; 2,273,234, same, Method of and solution for producing a coated iron article; 2,293,779, same, Metal coating method and article produced thereby; 2,301,983, same, Coated ferrous article and method of making;

2,373,432, same, Apparatus for rustproofing sheet metal; 2,373,433, same, Method of expediting chemical coatings on metal; 2,391,656, same, Treated metal sheet and method of making same; 2,412,543, same, Coated zinc article and method of making same; 2,438,013, same, Treated steel sheet and process; 2,500,915, same, Method of producing ferrous sheet for manufacturing receptacles; 1,926,265, V. M. Darsey, Coating metal with zinc phosphate; 1,926,266, same, Zinc phosphate material and method of making same; 2,067,007, same, Method of coating metal; 2,293,716, same, Metal treating solution; 2,001,754, Thompson & Darsey, Method and material for producing phosphate coating; 2,236,540, V. M. Darsey et al., Method of coloring metals and product; 2,208,524, Darsey & McVey, Cleaning composition and process; 2,046,061, Curtin & Payne, Coated metal; 2,000,305, L. P. Curtin, Oxalate coating on non-ferrous metal; 2,120,212, same, Phosphated metal coating; 2,121,520, same, Maintenance of phosphate coating bath; 2,127,206, same, Coating metal; 2,127,207, same, Process of applying bonding coating to metal and product thereof; 2,132,000, same, Phosphate coating bath and method of making; 2,210,850, same, Method of finishing ferrous metal surfaces; 2,288,182, same, Container manufacture; 2,313,925, same, Coating metals by the aid of acid sulphites; 2,066,842, H. J. Lodeesen, Coating magnesium; 2,233,422, 2,272,216, same, Method of coating copper and its alloys; 2,335,808, same, Solution and process of treating metal; 2,314,887, Lodeesen & Ward, Method of coating metal and material; 2,067,216, Thompson & Lodeesen, Method of coating metal; 2,227,409, Thompson & Goodspeed, Vapor treatment of metals; 2,296,070, same, Treatment of metal primers; 2,315,564, same, Art of coating and fabricating steel articles; 2,213,263, Thompson & Ward, Process of coating metals; 2,250,508, Thompson & Hanson, Treating zinc with organic acids; 2,234,206, J. S. Thompson, Coated aluminum; 2,276,353, 2,296,884, same, Process of coating; 2,302,643, same, Method and composition for treating metals; 2,312,855, same, Method of coating aluminum; 2,314,565, same, Coated ferrous article and method of making same; 2,318,642, 2,318,656, 2,327,002, same, Metal article and method of making same; 2,348,698, same, Method of roller coating; 2,564,804, same, Method of and solution for increasing resistance to corrosion; 2,592,521, same, Bonded asbestos and method of making same; 2,082,950, 2,086,712, M. Green, Coating zinc and the coated article; 2,089,648, R. H. Gordon, Method of and apparatus for treating metal surfaces; 2,103,901, 2,106,706, 2,138,095, 2,209,915, 2,209,916, same, Conveyor mechanism; 2,254,216, same, Apparatus for processing steel plates; 2,421,610, same, Apparatus for rustproofing; 2,105,015, 2,116,954, F. Singer, Mechanically working metal article; 2,295,545, 2,298,280, 2,336,071, 2,336,072, Clifford & Adams, Treatment of metal; 2,375,468, same, Phosphate coating of metal; 2,296,844, C. W. Glasston, Friction parts and method of treating; 2,301,209, R. C. Gibson, Acceleration of phosphate coating with quinone; 2,351,605, same, Metal treatment; 2,577,887, 2,617,749, same, Activation of oxalate metal coating compositions; 2,609,308, same, Method and material for producing coatings on metal; 2,500,673, Gibson & Russell, Process of producing a phosphate coating on metals high in aluminum; 2,356,666, M. V. Hamilton, Coating device; 2,381,183, E. W. Richards, Apparatus for and method of rustproofing; 2,463,496, W. S. Russell, Accelerating phosphate coating with lodigold compounds; 2,514,149, P. Amundsen, Coating of metal surfaces; 2,540,314, same, Process and compositions for applying phosphate coatings; 2,550,660, Amundsen & Hendricks, Process for producing adherent coatings on stainless steel to facilitate drawing operations; 2,522,176, Holden & Settelington, Drawing ferrous wire and other metal-working processes; 2,477,841, H. K. Ward, Method of coating metal surfaces comprising aluminum; 2,591,479, same, Method of and solution for coating surfaces chiefly of zinc, suit for declaratory judgment filed Nov. 14, 1952, D. C. N. J. (Newark), Doc. 1083/52, *Detrex Corp. v. Parker Rust-Proof Co.*

1,926,265. (See 1,911,726.) 1,926,266. (See 1,911,726.)
1,949,090. (See 1,911,726.) 2,001,753. (See 1,911,726.)
2,001,754. (See 1,911,726.) 2,012,697. (See 1,911,726.)

2,032,897. (See 1,911,726.) 2,045,499. (See 1,911,726.)
2,046,061. (See 1,911,726.) 2,060,365. (See 1,911,726.)
2,066,842. (See 1,911,726.) 2,007,007. (See 1,911,726.)
2,007,214. (See 1,911,726.) 2,007,215. (See 1,911,726.)
2,007,216. (See 1,911,726.) 2,076,869. (See 1,911,726.)
2,081,160. (See 1,911,726.) 2,082,950. (See 1,911,726.)
2,086,712. (See 1,911,726.) 2,089,648. (See 1,911,726.)
2,103,901. (See 1,911,726.) 2,105,015. (See 1,911,726.)
2,106,706. (See 1,911,726.) 2,116,954. (See 1,911,726.)
2,120,212. (See 1,911,726.) 2,121,520. (See 1,911,726.)
2,127,206. (See 1,911,726.) 2,127,207. (See 1,911,726.)
2,127,944. (See 1,911,726.) 2,132,000. (See 1,911,726.)
2,137,968. (See 1,911,726.) 2,138,095. (See 1,911,726.)
2,144,843. (See 1,911,726.) 2,208,524. (See 1,911,726.)
2,209,915. (See 1,911,726.) 2,209,916. (See 1,911,726.)
2,210,850. (See 1,911,726.) 2,213,263. (See 1,911,726.)
2,227,409. (See 1,911,726.) 2,233,422. (See 1,911,726.)
2,234,206. (See 1,911,726.) 2,236,549. (See 1,911,726.)
2,250,508. (See 1,911,726.) 2,254,216. (See 1,911,726.)
2,272,216. (See 1,911,726.) 2,273,234. (See 1,911,726.)
2,276,353. (See 1,911,726.) 2,288,182. (See 1,911,726.)
2,293,716. (See 1,911,726.) 2,293,779. (See 1,911,726.)
2,295,545. (See 1,911,726.) 2,296,070. (See 1,911,726.)
2,296,844. (See 1,911,726.) 2,296,884. (See 1,911,726.)
2,298,280. (See 1,911,726.) 2,301,209. (See 1,911,726.)
2,301,983. (See 1,911,726.) 2,302,510. (See 1,911,726.)
2,302,643. (See 1,911,726.) 2,303,242. (See 1,911,726.)
2,312,855. (See 1,911,726.) 2,313,925. (See 1,911,726.)
2,314,565. (See 1,911,726.) 2,314,887. (See 1,911,726.)
2,315,564. (See 1,911,726.) 2,318,642. (See 1,911,726.)
2,318,656. (See 1,911,726.) 2,327,002. (See 1,911,726.)
2,335,808. (See 1,911,726.) 2,336,071. (See 1,911,726.)
2,336,072. (See 1,911,726.) 2,348,698. (See 1,911,726.)
2,351,605. (See 1,911,726.) 2,356,666. (See 1,911,726.)
2,373,432. (See 1,911,726.) 2,373,433. (See 1,911,726.)
2,375,468. (See 1,911,726.) 2,381,183. (See 1,911,726.)
2,391,656. (See 1,911,726.) 2,412,543. (See 1,911,726.)
2,418,608. (See 1,911,726.) 2,421,610. (See 1,911,726.)
2,438,013. (See 1,911,726.) 2,463,496. (See 1,911,726.)
2,477,841. (See 1,911,726.) 2,500,673. (See 1,911,726.)
2,500,915. (See 1,911,726.) 2,514,149. (See 1,911,726.)
2,522,176. (See 1,911,726.) 2,540,314. (See 1,911,726.)
2,550,660. (See 1,911,726.) 2,564,804. (See 1,911,726.)
2,577,887. (See 1,911,726.) 2,591,479. (See 1,911,726.)
2,592,521. (See 1,911,726.) 2,609,308. (See 1,911,726.)
2,617,749. (See 1,911,726.)

NOTICES

Notice of Tentative Recordation of Trade Name

[T. D. 53192]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Feb. 2, 1953

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"BEECH-NUT PACKING COMPANY," owned by the Beech-Nut Packing Company, a corporation organized under the laws of the State of New York, located and doing business at Canajoharie, New York; 148 30th Street, Bush Terminal Building 19, Brooklyn, New York; 1237 Main Street, East, Rochester, New York; and 1'helan Avenue and Senter Road, San Jose, Calif. The trade name is applied to food products and chewing gum, manufactured in the United States.

Any person who desires to file an opposition to the recordation of this trade name shall notify the Commissioner of Customs, Bureau of Customs, Washington 25, D. C., before the expiration of 30 days after February 12, 1953, of his intent to oppose the recordation. If a notice of opposition is filed, the opposer will be furnished with a copy of the application for recordation of the trade name, together with its supporting documents and instructions as to the procedure to be followed. The customs officers concerned will be given notice within 45 days after February 12, 1953, of any opposition proceeding.

Until 45 days after February 12, 1953, all articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless a notice is received that an opposition has been filed, in which case such articles shall continue to be detained until a final determination is made concerning the right of the applicant to the trade name.

(Signed) FRANK DOW,
Commissioner of Customs.

Adjudicated Patent

(Ct. Cl.) Crook Patent No. 1,645,643, for a non-grounded transmission line. Claim 4, Held invalid. *Crook et al. v. United States*, 108 F. Supp. 598, 95 USPQ 325.

Erratum

The publication in the OFFICIAL GAZETTE of February 3, 1953, Volume 667 O. G. 7, of the paragraph entitled "Cross-References in Cases Relating to Same Subject" was inadvertent and should be disregarded.

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Disclaimers

2,495,753.—Robert F. Mozley, Hempstead, N. Y. GROUND TARGET ELIMINATION. Patent dated Jan. 31, 1950. Disclaimer filed Jan. 23, 1953, by the assignee, The Sperry Corporation.

Hereby enters this disclaimer to claims 3, 10, and 20 of said patent.

2,540,011.—William B. Reynolds, Bartlesville, Okla., and Ernest W. Cotten, deceased, late of Bartlesville, Okla., by Richard A. Harris, Bartlesville, Okla., administrator. DIAZO THIOUREAS. Patent dated Jan. 30, 1951. Disclaimer filed Jan. 23, 1953, by the assignee, Phillips Petroleum Company.

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

2,540,751.—Harold J. Mumma, Riverside, Calif. EGG TOTALIZERS. Patent dated Feb. 6, 1951. Disclaimer filed Jan. 20, 1953, by the assignee, Food Machinery and Chemical Corporation.

Hereby enters this disclaimer to claims 1, 3, 4, 5, 6, and 11 of said patent.

2,502,594.—Raymond G. Bielenberg, Berwyn, Ill. LINE AND STATION DETECTING APPARATUS. Patent dated July 31, 1951. Disclaimer filed Jan. 20, 1953, by the assignee, Automatic Electric Laboratories, Inc.

Hereby enters this disclaimer to claims 1 and 6 of said patent.

2,504,677.—James K. Davis, Corning, N. Y. ELECTRICALLY CONDUCTING COATINGS ON GLASS AND OTHER CERAMIC BODIES. Patent dated Aug. 21, 1951. Disclaimer filed Dec. 31, 1952, by the assignee, Corning Glass Works.

Hereby enters this disclaimer to claim 1 of said patent.

2,571,431.—Kurt Enstein, Rochester, N. Y. PHASE INVERTER CIRCUIT. Patent dated Oct. 16, 1951. Disclaimer filed Jan. 19, 1953, by the assignee, Stromberg-Carlson Company.

Hereby enters this disclaimer to all claims of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,509,812. Brewing Apparatus. Patented June 10, 1952. Vacuum type apparatus for brewing coffee or tea has a lower decanter and a separate upper perforated container for grounds. The grounds container is sealed to and suspended in the decanter by a flexible annular diaphragm which allows great latitude of movement between the two vessels during the brewing process while at the same time maintaining the desired vacuum in the decanter. The grounds container exerts a piston-like action that prevents the return of void moisture which has previously been expelled from the depleted grounds. (Owner) Fredrik N. Cronholm, P. O. Box 1048, Palm Springs, Calif. Groups 32—29—62—09; 34—41—99; 36—21. Reg. No. 50,371.

Pat. 2,479,753. Rake Teeth and Mounting Therefor. Patented Aug. 23, 1949. Sweep rake has a head frame carrying a transverse channel base member formed with spaced sockets to receive the butt ends of rake teeth. A forward supporting member for the rake teeth extending parallel to the base member and carried by supports projecting forwardly from the ends of the base member has spaced pairs of upwardly extending lugs in alignment with the sockets to maintain the teeth in position. Each tooth rests on the forward supporting member between a pair of lugs and is held thereon by bolts or other suitable means in aligned holes in upper end of each pair of lugs. (Owner) K. A. Ernest Luomala, Route 2, Box 238, Cloquet, Minn. Group 35—22. Reg. No. 50,372.

Pat. 2,606,732. Milk Can Handling Device. Patented Aug. 12, 1952. Device for handling milk cans especially at the time of initially cooling fresh milk. It includes an adapter unit for selective telescopic engagement with a vertical tubular mast. The adapter has a flat metal bracket-like body portion, an operating handle, a spring biased dog to engage a milk can handle, and a shoe member at lower end to engage the bottom flange of a milk can. A stem parallel to and adjacent the body portion is telescopically carried by the mast in handling the cans. (Owner) K. A. Ernest Luomala, Route 2, Box 238, Cloquet, Minn. Group 33—31—73. Reg. No. 50,373.

Pat. 2,607,089. Removable Slat Metal Awning. Patented Aug. 19, 1952. A collapsible metal awning has V-shaped slats which diffuse reflected light without reducing the heat-intercepting characteristics thereof. The slats are removably mounted in recesses in a pair of spaced stringers. The stringers are clamped to upper and lower rods by lock nuts on threaded studs at ends of the rods. The upper sections of the slats have a pair of spaced notches to receive the stringers. The slats may be of any design and the awning may be supported by any suitable means. (Owners) James R. Clark and Charles T. Flavin. Correspondence to James R. Clark, 108 Crawford St., Middletown, Ohio. Groups 23—95; 25—63. Reg. No. 50,374.

Pat. 2,316,408. Reciprocating Cam Mechanism. Patented Apr. 13, 1943. Cam mechanism for converting reciprocating motion into rotary motion or vice versa comprises a rotary member and a straight reciprocating member adapted to reciprocate at any predetermined vertical distance from the axis of rotation of the rotary member, with connecting and transmitting members, each forming an independent driving connection between the rotary and reciprocating members. The rotary member consists of a pair of circular discs keyed to a central shaft. The straight reciprocating member extends between the discs and carries rollers disposed in endless cam grooves in the inner faces of the discs. The major and minor axes of the cam grooves in the discs are at an acute angle with respect to each other so that there is no possibility of the rollers being simultaneously at the vertices of these axes, thus eliminating dead center. (Owner) Joseph Dawson, 131 Laird Drive, Leaside, Toronto, Ontario, Canada. Group 35—66—69. Reg. No. 50,375.

Pat. 2,515,679. Drafting Instrument. Patented July 18, 1950. Pen of the slide flow type, having an integral spaced guide leg and a pair of spaced, adjustable, coating

067 O. G.—52

drawing elements for drawing wide lines, is characterized by ease of operation and high visibility with respect to line junctures. The space between the marking elements defines a V-shaped ink reservoir. Flow of ink from the reservoir to the guide leg is prevented so that the leg may be used with a ruling straight edge or curve without ink running under the straight edge or curve. Good visibility of a drawing surface between the guide leg and the marking elements is afforded for making line junctures. The mid point of the guide leg lies in a plane which passes through the central points between the marking elements so that by observing the position of the leg it becomes easy to ascertain when a line junction has been executed. (Owner) Joel F. Adamson, 6663 East Burnside St., Portland 10, Oreg. Group 39—11. Reg. No. 50,376.

Pat. 2,550,851. Baby Carrier. Patented May 1, 1951. Baby carrier may be suspended from an adult's shoulder, leaving the arms and hands free. The carrier is constructed of front and back pieces of a strong, washable fabric attached together to form a pouch to encase a metal back, to which a sponge rubber cushion is cemented. Registering cut-outs at bottom of front and back pieces provide leg holes for the child sitting in the carrier. Adjustable supporting straps to pass over wearer's shoulders have snap hooks at the ends which snap into D-shaped rings on corners of the metal back. Folded flaps of the back fabric piece held together by snap fasteners form a pocket for diapers and the like. The carrier may be secured to chairs, car seats, etc., or converted into a swing or hammock. When used as a hammock, the flaps are unfolded to support the head and feet of a child. (Owner) L. Marie Nichols, 3861 Porter St., N. W., Washington 16, D. C. Groups 23—95; 25—19; 40. Reg. No. 50,377.

Pat. 2,606,255. Telephone Receiver Holder. Patented Aug. 5, 1952. Holder made of rubber may be easily attached to a telephone receiver to detachably support the receiver on the ear and head of user, leaving both hands free to take notes, etc., during telephone conversation. The holder consists of a beaded ring-like portion for snugly receiving and gripping the end of a receiver, and an integral body portion formed with a recess for receiving one of the ears of user. A side flange of the body portion to be positioned between the user's ear and head is cut away to facilitate placement of the holder on the ear. A vacuum cup integral with the lower portion of the flange is adapted to be positioned in engagement with the side of the head of user for preventing accidental dislodgment of the holder from the ear and head during use. (Co-owner) Ernest Tuills, 2316 Southwest 33d St., Oklahoma City, Okla. Groups 30—51; 39—81; 40. Reg. No. 50,378.

United States Government Owned Patents

The following 23 U. S. Letters Patent owned by the United States Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title.

Pat. 2,620,256. Analyzer. Patented Dec. 2, 1952. This patent covers an improved analyzer and recorder for continuously and simultaneously recording the relation between two variables. The recorder has two movable elements, a table and a stylus, disposed transversely with respect to each other, each being controlled by a phase sensitive motor responsive to one and the other of the two variable quantities to continuously plot their relationship. Group 36—13. Reg. No. 50,379.

Pat. 2,620,446. Radiation Detection and Measuring Means. Patented Dec. 2, 1952. This patent covers an improved portable radiation detection instrument whose response continuously increases with increase in the level of radioactivity up to several hundred roentgens per hour. The circuit employed measures the direct current component of the Geiger tube discharge current and requires no amplifying equipment. Group 36—13. Reg. No. 50,380.

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Pat. 2,621,298. Ion Source. Patented Dec. 9, 1952. This patent covers an apparatus and method particularly suited to generating ions of heavy metals from vaporizable compounds of the metal in vacuo. The ratio of different ions produced is quite constant and controllable. Group 36—19. Reg. No. 50,381.

Pat. 2,621,912. Receptacle. Patented Dec. 16, 1952. This patent describes a novel quenching container or basket comprising baffles means therein for positively effecting random distribution of elongated members dumped therein for quenching purposes. Group 33—11—12. Reg. No. 50,382.

Pat. 2,622,008. Production of Carbon Dioxide. Patented Dec. 16, 1952. This patent covers a method of liberating radioactive carbon dioxide from an alkaline earth carbonate containing the same comprising preparing an intimate mixture of the dry carbonate salt and a dry metal halide such as lead chloride, cadmium iodide, or copper bromide, and heating the mixture to a temperature in the range of 400° to 500° C. at a pressure of less than 10⁻² millimeters of mercury. Group 28—86. Reg. No. 50,383.

Pat. 2,622,014. Method for Preparing Boron Trifluoride. Patented Dec. 16, 1952. This patent covers a method for preparing boron trifluoride comprising heating a dry mixture of an oxide of boron and a higher metal fluoride such as cobalt trifluoride or antimony pentafluoride at a temperature of from 115° C. to 100° C. and at atmospheric pressure and collecting the evolved boron trifluoride gas. Group 28—89. Reg. No. 50,384.

Pat. 2,622,130. Automatic Cable Tester or Fault Analyzer Means. Patented Dec. 16, 1952. This patent covers an apparatus particularly adapted to automatically test a cable having a plurality of wires for faults of excessive resistance or insulation leakage with respect to individual wires of a plurality of wires. Group 36—13. Reg. No. 50,385.

Pat. 2,622,204. Mass Spectrograph. Patented Dec. 16, 1952. This patent describes an improved double focusing mass spectrograph for examination and analysis of solid materials provided with a unitary sub-assembly for collimating and electrostatically deflecting the ion beam. This assembly is operatively coupled to a removable ion source and a magnetic deflecting unit in such a manner that the combination of the collimating slits and the electrostatic deflector will produce parallelism of the ion beam upon entering the magnetic deflecting unit of the mass spectrograph. The spectrograph is also provided with a simple and reliable photographic plate positioner unit which makes it possible to secure a plurality of successive exposures without removing the photographic plate from the vacuum system. Group 36—13. Reg. No. 50,386.

Pat. 2,622,208. Radioactive Particle Counting. Patented Dec. 16, 1952. This patent covers a simple, reliable readily dismantled radioactive particle counting device including means for collecting the substance whose radioactivity is to be measured. The apparatus comprises in part two electrodes insulatedly mounted on a base plate surrounded by a detachably mounted envelope arranged to be evacuated and subsequently continuously supplied with a suitable counting gas. Group 36—13. Reg. No. 50,387.

Pat. 2,624,009. Ion Source. Patented Dec. 30, 1952. This patent describes a multiple ion source capable of continuously producing a copious supply of gaseous ions on a large scale. The plurality of ion sources arranged in juxtaposition in a single evacuated space is provided with a positive, reliable, readily adjustable and controllable feeding means to automatically supply material to be ionized to each of the ion sources in succession. Group 36—19. Reg. No. 50,388.

Pat. 2,624,656. Remote Control Pipetting Unit. Patented Jan. 6, 1953. This patent covers an adjustable pipette assembly having remotely controlled means associated therewith to control horizontal and vertical movement of the assembly, to control the flow of fluid therefrom, and to flush the interior as well as wash the exterior thereof when desired. Group 39—11. Reg. No. 50,389.

Pat. 2,624,783. Apparatus and Method for Measuring Magnetic Flux. Patented Jan. 6, 1953. This patent covers an apparatus and method useful in determining the strength of an unknown magnetic field comprising the steps of developing a magnetic field of known strength, developing electromotive forces proportional to the unknown field strength and to the magnetic field of known strength, combining said electromotive forces in opposition one to the other, and measuring the difference in said forces to determine the strength of the unknown magnetic field. Group 36—13. Reg. No. 50,390.

Pat. 2,624,841. Method of and Apparatus for Accelerating to High Energy Electrically Charged Particles. Patented Jan. 6, 1953. This patent describes an electromagnetic accelerator known as the synchrotron. Phase stability for accelerating charged particles to high energy is obtained by injecting charged particles at an appropriate phase into an annular region in which a magnetic field is crossed with an oscillating electric field thus causing the particles to traverse curved orbits concentric with that region at an energy approximating the equilibrium energy.

The ratio of magnetic field strength to the frequency of oscillation is gradually increased by raising the magnetic field strength while the frequency of oscillation is maintained constant. Group 36—19. Reg. No. 50,391.

Pat. 2,624,845. Ion Source. Patented Jan. 6, 1953. This patent covers an improved ion source unit for an ionic mass-separating apparatus. The unit utilizes a sealed receptacle containing a relatively pure, anhydrous charge material that is to be vaporized and ionized. The receptacle may be opened after the ion source unit has been placed in the chamber of the separator and the chamber has been evacuated. Group 36—19. Reg. No. 50,392.

Pat. 2,624,847. Ballistic Electrometer. Patented Jan. 6, 1953. This patent covers a novel method and apparatus employing a ballistic electrometer for detecting, measuring and recording extremely small electric currents, such as the very small ion currents produced in ion chambers subjected to low intensity radiation. Group 36—13. Reg. No. 50,393.

Pat. 2,624,860. Arc Hash Analyzer by Cathode-Ray Tube. Patented Jan. 6, 1953. This patent describes an electrical signal analyzer, comprising a cathode ray tube and associated components and electronic circuitry which is particularly useful in visually presenting on the screen of the cathode tube the wave form existing during a selected time interval of any section of an electrical signal. Group 36—13. Reg. No. 50,394.

Pat. 2,625,507. Method of Electrodepositing Nickel. Patented Jan. 13, 1953. This patent covers a method for electrolytically producing nickel powder having a mean particle size of between 7 and 15 microns, comprising electrodepositing nickel on an inert cathode, such as stainless steel, at a cathode current density of from 0.05 to 0.30 amperes per square centimeter, for a fixed interval of time such as 15 minutes to 3 hours, from an aqueous solution containing soluble chlorides of nickel, sodium, and ammonium in respective concentrations of about 0.1 molar, 1 molar, and 1 molar, and employing a nickel metal anode and another anode of inert material, such as carbon, and adjusting the current carried by the different anodes so as to maintain a substantially constant nickel ion concentration in the bath. Group 34—72. Reg. No. 50,395.

Pat. 2,625,653. Coincidence Circuit. Patented Jan. 13, 1953. This patent covers a new and improved photomultiplier tube coincidence circuit capable of detecting a coincidence between a pulse of light and a pulse of electrical energy. The apparatus is particularly useful for determining the phase relationship between the accelerating radiofrequency voltage and the accelerated particles of a particle accelerator. Group 36—13. Reg. No. 50,396.

Pat. 2,625,657. Monitoring Gas for Radioactive Xenon. Patented Jan. 13, 1953. This patent covers an improved design for an ionization chamber particularly useful in monitoring the radioactivity of a gas stream. The chamber is arranged so that any ions carried along by the incoming gas will be grounded out prior to the gas entering the ionization chamber. Group 36—13. Reg. No. 50,397.

Pat. 2,626,203. Method of Making Zirconium Tetrachloride. Patented Jan. 20, 1953. This patent covers a method for preparing zirconium tetrachloride from zirconium tetrafluoride comprising reacting the latter compound with magnesium chloride, either alone or in a bath of molten tin chloride, at a temperature of from 350° to 900° C. and recovering the zirconium tetrachloride distilled from the reaction mass. Group 28—89. Reg. No. 50,398.

Pat. 2,626,254. Method of Polymerizing Trifluorochloroethylene. Patented Jan. 20, 1953. This patent covers a method of preparing polytrifluoromonochloroethylene comprising contacting a completely halogenated acetyl halide or acetyl anhydride, such as trichloroacetyl chloride or bis-trifluoroacetic anhydride, dissolved in trifluoromonochloroethylene with an inorganic metal peroxide, such as sodium peroxide, to produce the peroxide of the acetyl compound in situ, and maintaining the reaction mass at such a temperature as to decompose the acetyl peroxide thereby causing the polymerization of the trifluoromonochloroethylene. Group 28—89. Reg. No. 50,399.

Pat. 2,626,351. Beam Extractor. Patented Jan. 20, 1953. This patent describes a method and apparatus useful for the removal of a beam of charged particles from a particle accelerator such as a frequency modulated cyclotron. The extraction is accomplished by applying a high voltage pulse to electrostatic deflecting electrodes when ions of a desired energy level are within the influence of the electrodes, thus deflecting the ions from their radial path and directing them through a magnetically shielded path to the particle exit of the accelerator. Group 36—18. Reg. No. 50,400.

Pat. 2,626,359. Target for Particle Accelerators. Patented Jan. 20, 1953. This patent covers an improved target assembly comprising means for mounting a plurality of samples to be irradiated, bringing any one sample into the beam of charged particles from a particle accelerator, oscillating the sample in the beam so as to obtain uniform bombardment of the target area, and remote control means to change targets without interrupting the operation of the particle accelerator. Group 36—19. Reg. No. 50,401.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 24, 1953

[Vol. 667. No. 4]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 18 may be filed within thirty days of this publication. See Rules 20.1 to 20.5. As provided by section 81 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 628,147. Druehling Brothers Company, Philadelphia, Pa. Filed Apr. 16, 1952.

DRUTAN

The word "Tan" is disclaimed apart from the mark as illustrated in the drawing.
For Chamols Skins.
Claims use since January 1933.

CLASS 2

RECEPTACLES

Ser. No. 609,175. General Sales Corporation, Milwaukee, Wis., assignor to Superdisplay, Incorporated, Milwaukee, Wis., a corporation of Wisconsin. Filed Jan. 24, 1951.

BUTTER CUP

For Dry Food Product Paper and Cardboard Boxes.
Claims use since Nov. 27, 1950.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 592,150. Original Handbag Co., New York, N. Y. Filed Feb. 8, 1950.

Manon

For Ladies' Handbags and Pocketbooks.
Claims use since Dec. 20, 1949.

Ser. No. 617,919. Kessler Luggage Manufacturing Corp., New York, N. Y. Filed Aug. 21, 1951.

CAR-GO-LITE
BY KESSLER

The words "Lite" and "Kessler" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 429,504.
For Fabric Traveling Bag.
Claims use since May 7, 1951.

Ser. No. 625,072. Leader Manufacturing Co., St. Louis, Mo. Filed Feb. 16, 1952.



The word "Bag" is disclaimed apart from the mark as shown. The figures shown on the drawing are fanciful.
For Purses for Girls and Misses.
Claims use since Feb. 15, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 606,825. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950.

MERCURY
COMPOUND
HAND
CLEANER

Applicant disclaims the words "Hand Cleaner," "Formula," and "Compound" apart from the mark shown. Applicant claims ownership of Registrations Nos. 388,315, 388,316, and others.

For Preparation for Cleaning the Hands Consisting of a Mixture of Corn Meal, Farina, a Wetting Agent of the Group of Alkyl Aryl Sulphonates, a Natural Soap Powder, and an Abrasive Which Is Very Fine Pumice of Volcanic Ash.

Claims use since July 15, 1940.

CLASS 5

ADHESIVES

Ser. No. 608,392. Whitehead Brothers Company, New York, N. Y. Filed Jan. 4, 1951.

LYQUAGRIP

Applicant claims ownership of Registration No. 531,433. For Core Pastes and Core Binders for Adhesively Uniting Sections of Cores Used in Metal-Casting. Claims use since on or about Nov. 8, 1950.

Ser. No. 622,006. Birmingham Paper Company, Birmingham, Ala. Filed Dec. 3, 1951.



Applicant claims ownership of Registration No. 353,542. For Glue and Library and School Paste Used for Pasting Paper. Claims use since 1948.

Ser. No. 622,981. B-K Products, Los Angeles and Inglewood, Calif. Filed Dec. 29, 1951.



For Adhesives Used To Cement Metal to Metal Such as Used by Toolmakers To Cement Steel Drill Bushings to Steel, Aluminum, or Fiberglass Plates. Claims use since June 6, 1951.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 607,757. R. Lally Co., Evanston, Ill. Filed Dec. 16, 1950.



Applicant disclaims the words "Pur" and "Wax" apart from the mark as shown. The lines represent shading only. Applicant claims ownership of Registration No. 549,449.

For Powdered Wax for Use as an Ironing Lubricant. Claims use since Nov. 1, 1949.

Ser. No. 623,052. Lawrence A. Henry, doing business as Had-A-Mouse Co., Decatur, Ill. Filed Jan. 2, 1952.

Had-A-Mouse

The word "Mouse" is disclaimed apart from the mark shown in the drawing. For Rodenticides. Claims use since Oct. 4, 1951.

Ser. No. 624,108. Solvay & Cie., Brussels, Belgium. Filed Jan. 25, 1952.



Priority under Sec. 44(d). Belgian application filed July 30, 1951, Registration No. 70,130, dated July 30, 1951. Applicant claims ownership of United States Registration No. 72,031.

For Soda Ash and Bicarbonate of Soda, Caustic Soda, Trichloroethylene, Perchloroethylene, Hexachlorocyclohexane (C₆H₆Cl₆), Its Isomers and Various Formulations Containing Said Products, Chlorites, Liquid Chlorine, Polyvinyl Chloride and Its Compounds, Calcium Chloride, Solid Calcium Chloride and Calcium Hypochlorite Mixtures for Use in the Industrial Arts.

Ser. No. 624,681. Essential Chemicals Co., Milwaukee, Wis. Filed Feb. 8, 1952. (Classified in Class 52.) See this serial number in Class 52 for goods and mark. Claims use since Oct. 23, 1951.

Ser. No. 630,207. S. B. Penick & Company, New York, N. Y. Filed May 24, 1952.

PENTHANCO

For Bulk Perfume Compounds Used as Masking Agents in Liquid Insecticides and Space Sprays. Claims use since about June 1947.

Ser. No. 630,208. S. B. Penick & Company, New York, N. Y. Filed May 24, 1952.

PENVAL

For Bulk Perfume Compounds Used as Masking Agents in Liquid Insecticides and Space Sprays. Claims use since June 1947.

Ser. No. 631,174. Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Filed June 13, 1952.

TRANSPHALT

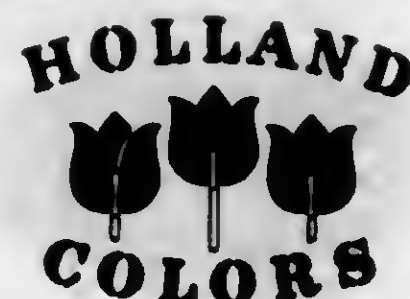
For Synthetic Resins Composed Chiefly of Hydrocarbon Polymers of Deeply Cracked Petroleum. Claims use since on or about Jan. 31, 1940.

Ser. No. 631,738. Holland Color and Chemical Company, Holland Mich. Filed June 25, 1952. (Sec. 2f.)

HOLLAND**COLORS**

No claim is made to the word "Colors." For Chemical Colors—Namely, Pigments, Lakes, and Toners in Both Dry and Liquid Forms, and Chemical Intermediates for the Same. Claims use since in or about March 1944.

Ser. No. 631,739. Holland Color and Chemical Company, Holland, Mich. Filed June 25, 1952. (Sec. 2f as to "Holland Colors.")



The word "Colors" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 550,018.

For Chemical Colors—Namely, Pigments, Lakes, and Toners in Both Dry and Liquid Forms, and Chemical Intermediates for the Same.

Claims use since in or about January 1952.

Ser. No. 632,246. O. O. Funderburg, doing business, or trading, as Nugul Chemical Co., Wichita Falls, Tex. Filed July 8, 1952.



For Anti-Freeze Preparations for Cooling Systems of Internal Combustion Engines. Claims use since May 15, 1952.

Ser. No. 632,247. O. O. Funderburg, doing business as, or trading, as Nugul Chemical Co., Wichita Falls, Tex. Filed July 8, 1952.

NORTH-POLE

For Anti-Freeze Preparations for Cooling Systems of Internal Combustion Engines. Claims use since May 15, 1952.

Ser. No. 632,533. Monsanto Chemical Company, St. Louis, Mo. Filed July 14, 1952.

ESKIMO

Applicant claims ownership of Registrations Nos. 560,620 and 340,690. For Anti-Freeze Solutions for the Cooling Systems of Internal Combustion Engines. Claims use since Dec. 8, 1949.

Ser. No. 633,813. Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Filed June 13, 1952.

BEAGID

Applicant claims ownership of German Registration No. 88,913, dated June 25, 1906. For Metal Carbides, Particularly Calcium Carbide.

Ser. No. 633,816. Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Filed June 13, 1952.

Perawin

Applicant claims ownership of German Registration No. 449,236, dated Oct. 14, 1932 and United States Registration No. 305,775.

For Perchloroethylene, and Solvent Mixtures Containing Chlorine Substituted Hydrocarbons.

Ser. No. 633,818. Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Filed June 13, 1952.

Drawirit

Applicant claims ownership of German Registration No. 502,963, dated June 10, 1938. For Polyvinyl Alcohol.

Ser. No. 633,871. Samuel Pressner, doing business as American Brands Company, Richmond, Va. Filed Aug. 13, 1952. (Classified in Class 52.) See this serial number in Class 52 for goods and mark. Claims use since July 11, 1952.

Ser. No. 638,150. Motomco, Inc., New York, N. Y. Filed Nov. 15, 1952.

PIVALYN

For Insecticides and Rodenticides in Liquid and Solid Form and Plastic Pellets Having Water Soluble Insecticide and Rodenticide Material Deposited on the Surface Thereof. Claims use since Aug. 20, 1952.

Ser. No. 638,219. Spencer Chemical Company, Kansas City, Mo. Filed Nov. 17, 1952.

LIXUM

For Weed Killer. Claims use since Oct. 30, 1952.

Ser. No. 638,410. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Nov. 21, 1952.

TECSOL

Applicant claims ownership of Registration No. 299,077. For General Industrial Arts Solvents. Claims use since Nov. 8, 1952.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 621,074. Lektrolite Corporation, New York, N. Y. Filed Nov. 9, 1951.

LEKTR°PAK

Applicant claims ownership of Registrations Nos. 308,403, 349,025, and others. For Cigarette Case and Lighter Combination. Claims use since Aug. 1, 1951.

Ser. No. 625,367. Otin Industries, Inc., East Alton, Ill. Filed Feb. 21, 1952.

Western

For Cigar and Cigarette Lighters. Claims use since on about Jan. 20, 1949.

Ser. No. 632,352. L. Batlin & Son, Inc., New York, N. Y. Filed July 10, 1952.

THAMES

Applicant claims ownership of Registrations Nos. 559,541 and 559,625. For Cigarette and Cigar Lighters and Parts Thereof. Claims use since July 3, 1951.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 625,497. Trianco Limited, East Molesey, Surrey, England. Filed Feb. 25, 1952.

TRIANCO

Applicant claims ownership of British Registration No. 431,759, dated Nov. 22, 1922, and United States Registration No. 512,140.

For Metal Telescopic Centering Devices Used in Laying Concrete Floors or the Like To Support Shuttering.

Ser. No. 630,350. Seal Rite Caulking Company, Inc., Detroit, Mich. Filed May 27, 1952.

Snap-Calk

The term "Calk" is disclaimed apart from the mark as shown.

For Caulking Compounds. Claims use since September 1951.

CLASS 15

OILS AND GREASES

Ser. No. 630,220. The Singer Manufacturing Company, Elizabeth, N. J. Filed May 24, 1952. (Sec. 2f.)

SINGER

Applicant claims ownership of Registrations Nos. 49,590, 49,600, and others. For Lubricating Oil and Greases. Claims use since 1880.

Ser. No. 634,743. Lubrication Engineers, Inc., Fort Worth, Tex. Filed Sept. 2, 1952.



The drawing is lined for the color orange. For Graphited Roller Lubricants, Gear Lubricants, Wheel Bearing Lubricants, Fibrous-Type Lubricants, Motor Oil, Diesel Oil, Winterized Oil, Cotton Picker Oil, and Steam Cylinder Oil. Claims use since July 15, 1951.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 563,869. Patek Brothers, Inc., Milwaukee, Wis. Filed Aug. 23, 1948.



For Interior and Exterior Paints for All Types of Surfaces and Sold in Powder, Paste, or Liquid Forms; Calcimines; Paint and Baking Enamels; Lacquers; Japans; Varnishes; Wood Stains; Paint and Varnish Removers Sold in Liquid and Semi-Liquid Form; Paint Driers; Paint Drying Oils; Roof Coatings in the Nature of Paint; Paint, Wood and Metal Fillers for Use Before Decorating and Painting; Coating Compounds for Glazing Walls and Ceilings Before Decorating and Painting; Protective Floor Waxes; and Paint, Enamel, Lacquer, and Varnish Thinners and Solvents. Claims use since June 1, 1930.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 611,003. Mayhra E. Tyler, doing business as Balm-of-Gilead Salve Co., Yakima, Wash. Filed Mar. 7, 1951.



For Salve for Use in Treating Cuts, Wounds, Bolls, Scalds, Itching, Prickly Heat, and Sores. Claims use since Aug. 1, 1928.

Ser. No. 612,548. Jackson-Mitchell Pharmaceuticals, Inc., Los Angeles, Calif. Filed Apr. 12, 1951.



Exclusive use of the word "Products" is not claimed apart from the rest of the mark. For Colloid Laxative. Claims use since Mar. 12, 1951.

Ser. No. 614,810. Boerliche & Ranyon, Inc., New York, N. Y. Filed June 6, 1951.

LIPORUN

For Tablets for Use in the Treatment of Arterio-Sclerosis. Claims use since Oct. 9, 1950.

Ser. No. 616,303. The Tabril Company, Philadelphia, Pa. Filed July 10, 1951.

TABRIL

For Preparation for Use as an Aid in the Relief From Pain and Discomfort of Simple Headaches, Minor Inflammation of Muscles and Joints, and Pain Associated With Functional Menstrual Disturbances. Claims use since 1938.

Ser. No. 616,367. Commercial Solvents Corporation, New York, N. Y. Filed July 12, 1951.



Applicant claims ownership of Registration No. 435,177. For Pharmaceuticals, and in Particular Antibiotics Such as Bacitracin and Penicillin Compositions, Barium Sulfate for X-Ray Diagnosis, Choline Salts Including the Bicarbonate and Gluconate, Clinical Dextran, Compositions Comprising Choline and Inositol, Compositions Containing Predetermined Amounts of Different Antibiotics Used for Diagnostic Purposes, Distilled Water Used To Dissolve Antibiotics, Glucuronolactone Composition, Compositions Comprising Glucuronolactone and

Streptomycin, Hypodermic Syringes for One Time Injection of Antibiotics, Isotonic Solution of Sodium Chloride, Inositol Hexantrate Compositions for Use in Treatment of Hypertension, Compositions for Medical Use Comprising 1,2,3,4,5,6-Hexachlorocyclohexane, Ophthalmic Compositions, Vitamins Including Riboflavin. Claims use since Apr. 29, 1944.

Ser. No. 620,336. Crookes Laboratories, Inc., New York, N. Y. Filed Oct. 23, 1951.

BE-ZYMIN

The use of the prefix "Be" is disclaimed apart from the mark as shown. For Enzyme-Vitamin Combination in the Form of Tablets. Claims use since Sept. 20, 1951.

Ser. No. 629,180. Nopco Chemical Company, Harrison, N. J. Filed May 3, 1952.

UVO-CRYST

Applicant claims ownership of Registration No. 361,947. For Vitamin D Concentrates in Milk Constituents for Use in Milk and Foods Where Milk Is Used as an Ingredient. Claims use since Sept. 12, 1951.

Ser. No. 630,021. The Purdue Frederick Company, New York, N. Y. Filed May 21, 1952.

COLPOCREME

For Therapeutic Vaginal Cream for Use in Vaginal Disorders Such as Gonorrhea, Endocervicitis, Cervical Erosions, and After Certain Gynecological Operative Procedures. Claims use since May 15, 1952.

Ser. No. 630,032. Schering Corporation, Bloomfield, N. J. Filed May 21, 1952.

TESTRAVIT

For Pharmaceutical Preparation Containing Hormones and Vitamins. Claims use since Aug. 9, 1951.

Ser. No. 630,047. Walker Laboratories, Inc., Mount Vernon, N. Y. Filed May 21, 1952.

SEDAADROPS

For Pharmaceutical Preparation Providing Rapid and Sustained Sedation With Mild Spasmolytic Action. Claims use since Mar. 11, 1952.

Ser. No. 631,386. Leater J. Vick and Earle H. Mann, Amarillo, Tex. Filed June 18, 1952.

N and N

For Solution for Local Anesthesia. Claims use since June 11, 1938.

Ser. No. 632,060. Abbott Laboratories, North Chicago, Ill. Filed July 2, 1952.

Sub-U-Tabs

The suffix "Tab" is disclaimed apart from the trademark.

For Sublingual Medicaments Such as Steroids, Anticoagulants, and Stimulants.

Claims use since June 20, 1952.

Ser. No. 633,353. Erwin Pharmaceuticals, Inc., Chicago, Ill. Filed Aug. 1, 1952.

S.Y.-4

For Nose Drops for Temporary Relief of Minor Nasal Congestion.

Claims use since June 1, 1951.

Ser. No. 633,443. Luis J. Beta, doing business as D'Fransia Laboratories, Los Angeles, Calif. Filed Aug. 4, 1952.



For Medicinal Preparation for Treatment of Asthma and Bronchial Alliments.

Claims use since July 10, 1948.

Ser. No. 633,513. Arthur T. Schreiber, Louisville, Ky. Filed Aug. 5, 1952.

OXY-ANT

For Medicinal Preparation for the Treatment of Indigestion, Flatulence, and Disorders of the Stomach.

Claims use since 1913.

Ser. No. 633,636. Shore Chemical Company, Incorporated, Madison, Conn. Filed Aug. 8, 1952.

Fire AWAY

For Medicinal Preparation for External Use, Having Analgesic, Antiseptic, and Antipyrogenetic Properties.

Claims use since May 1, 1952.

Ser. No. 638,418. Hoffmann-La Roche Inc., Nutley, N. J. Filed Nov. 21, 1952.

GANTRICILLIN

For Antibacterial Preparation.

Claims use since Nov. 14, 1952.

Ser. No. 638,952. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed Dec. 4, 1952.

Acroteben

Applicant claims ownership of German Registration No. 619,179, dated Apr. 21, 1952.

For Chemotherapeutic Agent Used in the Treatment of Tuberculosis.

Ser. No. 638,953. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed Dec. 4, 1952.

Flavoteben

Applicant claims ownership of German Registration No. 623,330, dated July 14, 1952.

For Chemotherapeutic Agent Used in the Treatment of Tuberculosis.

Ser. No. 639,148. B. F. Ascher & Company, Inc., Kansas City, Mo. Filed Dec. 8, 1952.

CONVERTIN

For Medicinal Preparation Used as an Aid in the Assimilation of Ingested Foods for Patients With Deficient Metabolism.

Claims use since Oct. 1, 1952.

Ser. No. 639,257. Wyeth Incorporated, Philadelphia, Pa. Filed Dec. 9, 1952.

KAO-STREP

For Preparation of Dihydrostreptomycin, Pectin, Kaolin, and Alumina, for Veterinary Use.

Claims use since Nov. 18, 1952.

Ser. No. 639,319. Eli Lilly and Company, Indianapolis, Ind. Filed Dec. 11, 1952.

KONOGEN

For Medicinal Preparation of Conjugated Water-Soluble Estrogens Used in the Treatment of Menopausal Symptoms.

Claims use since Jan. 15, 1951.

CLASS 19

VEHICLES

Ser. No. 568,564. Arnold, Schwinn & Co., Chicago, Ill. Filed Nov. 12, 1948. (Sec. 2f.)

Schwinn-Built

Applicant claims ownership of Registrations Nos. 428,626 and 428,627.

For Bicycles and Parts Thereof—Namely, Brakes, Lug-gage Carriers, Carrier Baskets, Chain Guards, Cranks, Forks, Frames, Freewheeling Units, Handlebars, Handlebar

Grips, Head Fittings, Hubs, Mud Guards, Mud Guard Brackets, Parking Stands, Pedals, Bicycle Ruby Glass Reflectors, Rims, Saddles, Seat Posts, Spokes, Spring Forks, Handlebar Stems, Tanks, Trunk Rods, and Wheels.

Claims use since in the year 1938.

Ser. No. 611,331. F. J. Photiadis, trading and doing business under the name of Amphitrite Marine Company, Tokyo, Japan. Filed Mar. 13, 1951.

Amphitrite
MARINE COMPANY

The words "Marine Company" are disclaimed apart from the mark shown.

For Sail Boats, Ice Boats, Cruisers, Dinghies, Fishing Boats, Police Patrol Boats, Lifeboats, Small Cargo Boats, Harbor Launches, Barges, and Military Landing Craft.

Claims use since Aug. 23, 1949.

Ser. No. 621,462. Hobbs Manufacturing Company, Fort Worth, Tex. Filed Nov. 20, 1951. (Sec. 2f.)

HOBBS

For Truck Trailers, Bodies, and Parts Thereof.

Claims use since 1927.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 583,559. The Strong Electric Corporation, Toledo, Ohio. Filed Aug. 16, 1949. (Sec. 2f.)

UTILITY

For Electric Projection Lamps, Electric Rectifiers, and Parts Thereof.

Claims use since on or about Feb. 18, 1941.

Ser. No. 598,618. Triad Transformer Mfg. Co., Los Angeles, Calif. Filed June 5, 1950.

GEOFORMER

For Geophysical Transformers.

Claims use since Oct. 21, 1949.

Ser. No. 610,858. Light Products, Inc., Beverly Hills, Calif. Filed Mar. 5, 1951.



The word "Flasher" is disclaimed apart from the mark.

For Flashing Neon Warning and Beacon Lights Used for Beacons, Highway Traffic Markers, Highway Obstruction Warning Markers, and Street Construction Warning Markers.

Claims use since Nov. 10, 1949.

Ser. No. 614,088. Etc., Inc., Niles, Mich., assignee of Everett P. Lush, doing business as Newport Ships, Not Inc. Filed May 19, 1951.

PRO-TEK-TROL

For Magnetic Pressure Switches.

Claims use since April 1950.

Ser. No. 614,157. Midland Electric Manufacturing Company Limited, Tyseley, Birmingham, England. Filed May 21, 1951.

MEM

Applicant claims ownership of British Registration No. 689,914, dated June 1, 1948.

For Electrical Apparatus—Namely, Switches, Contact Points, Fuses, Terminals, and Electric Motor Controllers for the Starting, Stopping, Speed Regulating, and Reversing of Electric Motors.

Ser. No. 616,541. Berlant Associates, Los Angeles, Calif. Filed July 16, 1951.



The lining used in the drawing is for the purpose of indicating shading only.

For Magnetic Tape Sound Recording Machines.

Claims use since Mar. 3, 1950.

Ser. No. 621,587. Societe a Responsabilite Limitee: Le Teleampliphone, Paris, France. Filed Nov. 23, 1951.

Neophone

Applicant claims ownership of French Registration No. 412,448, dated May 25, 1951.

For Voice Communicating Systems Between Stations at Least One of Which Is Provided With a Sound Transmitting Microphone and a Sound Receiving Loud-Speaker.

Ser. No. 621,629. Labor Spring and Tire Corporation, Oakland, Calif. Filed Nov. 24, 1951.



Applicant disclaims exclusive right to the words "Rich" and "Bond" except when used as a part of the mark as shown.

For Automobile and Truck Batteries.

Claims use since Apr. 10, 1951.

Ser. No. 621,866. Charles F. Coake, New Augusta, Ind. Filed Nov. 30, 1951.

MAGNADRILL

The word "Drill" is disclaimed apart from the mark as shown.
For Hand Operated Electric Drills.
Claims use since Aug. 11, 1949.

Ser. No. 622,525. Bendix Aviation Corporation, Detroit, Mich. Filed Dec. 15, 1951.

AMSPEAKER

For Combined Loud-Speaker and Amplifier Units for Use in Aircraft.
Claims use since Aug. 8, 1951.

Ser. No. 622,924. Burndy Engineering Company, Inc., New York, N. Y. Filed Dec. 28, 1951.

BURCAN

The mark consists of the first three letters of "Burndy" followed by the first three letters of "Canada."
For Electrical Connectors.
Claims use since Dec. 15, 1950.

Ser. No. 624,174. Clarite Battery, Inc., Salt Lake City, Utah. Filed Dec. 15, 1951.



For Electric Storage Batteries and Component Parts Thereof.
Claims use since Aug. 20, 1949.

Ser. No. 627,401. Natvar Corporation, Woodbridge, N. J. Filed Apr. 1, 1952.

ABOGLAS

For Electrical Insulating Sheet Material Composed in Part of Asbestos Paper and Glass Fiber or Filament.
Claims use since Sept. 29, 1951.

Ser. No. 627,995. Beacon Corporation, Chicago, Ill. Filed Apr. 12, 1952.

"Beacon"

For Indoor Television Antennas.
Claims use since in or about November 1949.

Ser. No. 628,841. H. O. Boehme, Inc., New York, N. Y. Filed Apr. 29, 1952.



For Communication and Signaling Devices, and More Particularly Radiotelegraph Terminal Equipment—Namely, Automatic Keying and Recording Apparatus for High-speed Transmission and Reception of Telegraphic Signals; Electric Circuit Controls—Namely, Signal Converters, Frequency Shift Converters, Recorder Driving Units, Link Circuit Relays, Fan Marker Keyers, Radio Range Keyers and Relay Tone Keyers, the Above Apparatus Sold Separately or as Part of a Unit, Morse Code Instruction Apparatus.
Claims use since June 9, 1927.

Ser. No. 629,713. Arkwright, Incorporated, New York, N. Y. Filed May 15, 1952. (Sec. 2f.)

ARKWRIGHT

For Radio and Television Receiving Sets, Electric Irons, Electric Toasters, Electric Vacuum Cleaners, Electric Lamps, Electric Heaters, and Boilers.
Claims use since May 15, 1925.

Ser. No. 630,089. Mica Insulator Company, Schenectady, N. Y. Filed May 22, 1952.

ISOMICA

For Electrical Insulating Materials and Supplies and Electrical Insulators—Namely, Sheets, Tapes, Rolls, Tubing, and Shaped Insulators Composed at Least in Part of Mica.
Claims use since Apr. 17, 1952.

Ser. No. 631,056. Health Guardian Corporation, Chicago, Ill., and Monroe, Wis. Filed June 11, 1952.

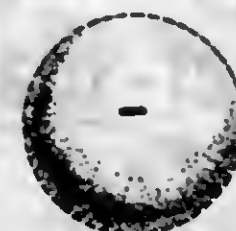
Wee Alert

For Electrical Signaling Device for Bed Wetting Consisting Essentially of Relatively Thin Flexible Metal Sheets and a Battery Operated Buzzer Adapted To Be Connected With Insulated Current Conducting Wire.
Claims use since August 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 587,226. Albany Billiard Ball Company, Albany, N. Y. Filed Nov. 3, 1949.



The trade-mark consists of the representation of a dash imprinted or impressed in the surface of a cue ball. No claim is made to the exclusive use of the representation of the billiard ball, apart from the mark as shown.
For Billiard Balls.
Claims use since Oct. 21, 1949.

Ser. No. 617,448. Claude Lipman Lyons, London, England. Filed Aug. 8, 1951.

EUREKA

Applicant claims ownership of British Registrations Nos. 693,095 and 693,096.
For Ordinary Playing Cards and Games Played With Playing Cards.

Ser. No. 621,960. Emer Reed Delber, Laguna Beach, Calif. Filed Dec. 1, 1951.

PINO GIN

The word "Gin" is disclaimed apart from the mark as shown.
For Playing Cards.
Claims use since Nov. 3, 1951.

Ser. No. 622,940. Kalman Z. Huszar, Foster, Ohio. Filed Dec. 28, 1951.



The word "Shot" is disclaimed apart from the mark as shown.
For Sling Shots.
Claims use since Sept. 29, 1951.

Ser. No. 627,803. Burke Golf Equipment Corporation, Newark, Ohio. Filed Apr. 9, 1952. (Sec. 2f as to "Burke.")



The trade-mark consists of the word "Burke" together with a fanciful representation of the upper body portion of a golfer with an upraised golf club in association with a golf ball. A portion of the drawing is lined for red.
For Golf Clubs, Golf Balls, Golf Bags, Head Covers for Golf Clubs, and Golf Gloves.
Claims use since June 1937.

Ser. No. 627,805. Burke Golf Equipment Corporation, Newark, Ohio. Filed Apr. 9, 1952. (Sec. 2f.)

Burke

For Golf Clubs, Golf Balls, Golf Bags, Head Covers for Golf Clubs, and Golf Gloves.
Claims use since 1914.

Ser. No. 630,382. Burke Golf Equipment Corporation, Newark, Ohio. Filed May 28, 1952. (Sec. 2f.)

Lady Burke

For Golf Balls and Golf Clubs.
Claims use since Apr. 23, 1928.

Ser. No. 633,505. John J. Norton, doing business under the firm name and style of John Norton Co., New York, N. Y. Filed Aug. 5, 1952.



For Horse Racing Game.
Claims use since July 31, 1952.

Ser. No. 633,671. Leonard H. Henkel, Oak Park, Mich. Filed Aug. 9, 1952.

"BACK BITER"

For Artificial Fish Lures.
Claims use since June 28, 1952.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 571,911. Naco Manufacturing Co., Huntington Park, Calif., assignor, by mesne assignments, to Root Manufacturing Co., Malta, Ohio, a corporation of Ohio. Filed Jan. 10, 1949.



The legend "Root" is disclaimed apart from the mark itself. The drawing is lined for the color red. Applicant claims ownership of Registration No. 393,306.
For Hand and Power-Operated Dusters and Sprayers for Applying Insecticides, Either Powder or Liquid, or Both, to Vegetation.
Claims use since October 1948.

Ser. No. 577,443. New Holland Machine Company, New Holland, Pa. Filed Apr. 20, 1949.



Applicant claims ownership of Registrations Nos. 409,016 and 409,512.

For Farm Machinery—Namely, Automatic Balers, Field Bale Loaders, Corn Shellers, Husker Shellers, Saw Frames, Tractor Saws, Hammer Mills, Limestone Pulverizers, Lawn Mowers, Feed Grinders, Forage Harvesters, Forage Blowers, Ensilage Cutters, Tractor-Drawn Side Delivery Hay Rakes, General Purpose Mixers, Hydraulic Loaders; and Industrial Equipment—Namely, Roll Crushers, Hammer Crushers, Vibrating Screens, Revolving Screens, Vertically Inclined Bucket Type Elevators, and Endless Chain and Belt Conveyors.

Claims use since Dec. 1, 1948.

Ser. No. 595,714. Stig Lars Fredrik Eklund, Gothenburg, Sweden. Filed Apr. 14, 1950.

AROMIKOL

Applicant claims ownership of Swedish Registration No. 67,201, dated Oct. 28, 1948.

For Apparatus and Appliances for Vaporizing Liquid Disinfectants and Like Substances Into the Air.

Ser. No. 600,245. Aerodyne Corporation, Detroit, Mich. Filed June 22, 1950.



The representation of the goods is disclaimed apart from the mark as shown.

For Dust Separators Comprising a Louvered Surface Over Which Dust Laden Gases Are Passed at a Relatively High Velocity and Not Including Blowers and Fans per se. Claims use since July 13, 1949.

Ser. No. 603,662. Chef-Way, Inc., Kansas City, Mo. Filed Sept. 18, 1950.

Chef-Way

For Coin Controlled, Electrically Operated Vending Machines for Vending Liquid Food Products. Claims use since Aug. 22, 1950.

Ser. No. 603,664. Chef-Way, Inc., Kansas City, Mo. Filed Sept. 18, 1950.



For Coin Controlled, Electrically Operated Vending Machines for Vending Liquid Food Products. Claims use since Aug. 22, 1950.

Ser. No. 613,123. The J. H. Day Company, Incorporated, Cincinnati, Ohio. Filed Apr. 25, 1951. (Sec. 2f as to "Day.")



For Bakery Equipment—Namely, Cake Machines, Dough Dividers, Flour Conveying Machines, Moulders, Proofers, Rounders, Sifters, Mixers, Dough Chutes, Rubbing and Creaming Machines, Trough Holers, Kneading Machines, Blenders; Crushers and Multi-Roll Mills.

Claims use since on or about Aug. 17, 1950, as to the mark shown; and since about 1890 as to "Day."

Ser. No. 614,276. West Point Lawn Products, West Point, Pa., assignor to West Point Products Corporation, West Point, Pa., a corporation of Delaware. Filed May 23, 1951.

GRASSLAN

For Turf Cultivating Wheeled Implement Having a Number of Rotatable Discs Which Carry Projecting Spoons Adapted To Penetrate and Loosen the Soil About the Roots of Grass Turf.

Claims use since Nov. 23, 1950.

Ser. No. 615,374. Marlin Eller, Deerfield Beach, Fla. Filed June 19, 1951.

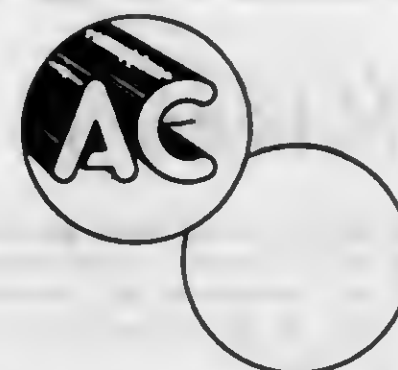


No claim is made to the word "Slice" or the representation of the goods apart from the mark as shown.

For Combination Clearing and Cultivating Farm Implement—Namely, a Power-Drawn Weed Chopper Having a Combined Hacking and Slicing Action as It Falls and Passes Over Weeds.

Claims use since June 9, 1951.

Ser. No. 620,206. General Motors Corporation, Detroit, Mich. Filed Oct. 19, 1951.



The drawing is lined for shading purposes only. For Accessory Devices Used With Internal Combustion Engines—Namely, Air Cleaners, Silencers, Breathers, Fuel Pumps, Vacuum Pumps, Spark Plug Cleaning Machines and Parts Thereof.

Claims use since April 1950 on the mark as shown; and since 1908 as to the letters "AC."

Ser. No. 624,520. Olympia Büromaschinenwerke A. G., Wilhelmshaven, Germany. Filed Jan. 9, 1952.

Olympia

Applicant claims ownership of Registration No. 282,644. For Typewriters and Parts Thereof.

Claims use since Mar. 13, 1930; and since 1938 in commerce between Germany and the United States, in a different form; and since 1938 in script form as illustrated in commerce between Germany and the United States.

Ser. No. 627,901. Rival Manufacturing Company, Kansas City, Mo. Filed Apr. 10, 1952.

Mix-O-Mat

The term "Mix" is disclaimed apart from the mark as shown.

For Hand-Operated Food Mixers, Beaters, and Whippers. Claims use since Mar. 20, 1952.

Ser. No. 628,132. Universal Products Company, Inc., Dearborn, Mich. Filed Apr. 15, 1952. (Sec. 2f.)

DETROIT

Applicant claims ownership of Registration No. 208,800. For Motor Vehicle Propeller Shafts and Universal Joints and Parts Thereof.

Claims use since Aug. 12, 1925.

Ser. No. 628,850. Cummins Engine Company, Inc., Columbus, Ind. Filed Apr. 29, 1952. (Sec. 2f.)

CUMMINS

Applicant claims ownership of Registrations Nos. 210,288 and 519,912.

For Internal Combustion Engines and Parts Thereof. Claims use since September 1919.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 623,179. William L. Bodine, Elyria, Ohio. Filed Jan. 4, 1952.

"Jiffy"

For Clothesline or Laundry Supporting Equipment—Namely, Clothesline Posts, Supports and Parts Thereof. Claims use since Aug. 22, 1951.

Ser. No. 633,464. Naxon Utilities Corporation, Chicago, Ill. Filed Aug. 4, 1952.

PERSONAL

For Electric Wringers, Hand-Operated Wringers, and Electric Washing Machines. Claims use since Jan. 21, 1952.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 564,735. Otis Elevator Company, New York, N. Y. Filed Sept. 4, 1948. (Sec. 2f as to "Otis.")



Applicant claims ownership of Registrations Nos. 204,849, 219,894, and others.

For Vehicular Chassis Dynamometers. Claims use since Oct. 10, 1947.

Ser. No. 587,219. Wilco Products, Inc., Orange, N. J. Filed Nov. 2, 1949.



No claim is made to the words "Products Inc." apart from the mark shown.

For Machines, Apparatus or Instruments Used in the Testing and Correcting of Wheel Alignment. Claims use since Dec. 10, 1938.

Ser. No. 589,825. Hardy J. Bowen, doing business as Industrial Models, Arden, Del. Filed Dec. 23, 1949.



For Industrial and Domestic Models—Namely, Scale Models of Industrial Plants, Scale Models of Commercial and Domestic Residences, and Scale Models of Equipment for Said Plants and Furniture for Said Residences To Assist in Design and Location of Buildings and Equipment. Claims use since Feb. 27, 1948.

Ser. No. 592,005. Servo Corporation of America, New Hyde Park, N. Y. Filed Feb. 4, 1950.

SERVOBOARD

For Universal Mounting Means—Namely, a Stand Specially Adapted for Mounting Testing Apparatus as for Use in Breadboard Rigging and Testing of Servo-Mechanisms and Like Apparatus.

Claims use since Apr. 11, 1949.

Ser. No. 598,980. Capitol Projector Corporation, New York, N. Y. Filed June 13, 1950.



Applicant disclaims "Movies" apart from the mark as shown.

For Electrically Operated Coin Controlled Moving Picture Projectors.

Claims use since April 1946.

Ser. No. 607,384. Graflex, Inc., Rochester, N. Y. Filed Dec. 7, 1950.

GRAPHIC

Applicant claims ownership of Registrations Nos. 57,877, 416,420, 416,429, etc.

For Photographic Equipment, and/or Photographic Accessories and/or Photographic Supplies—Namely, Cameras; Lens Boards; Camera, Projector, and Enlarger Carrying Cases; Holders for Sensitized Material—Namely, Plate Holders, Cut Film Holders, Cut Film Septums, Film Pack Adapters, and Roll Film Holders; Camera Shutters; Optical Type and Open Frame Type View Finders; Lenses; Detachable Camera Backs; Focusing Panels—Namely, Ground Glass Screens and Holders Therefor; Camera Supports—Namely, Camera Stands, Tripods, and Tripod Heads; Lens Shades; Shutter Tripping Mechanism—Namely, Solenoid-Operated Shutter Trippers and Hand-Operated Cable Type Remote Control Shutter Release Devices; Optical Type Rangefinders; Detachable Focusing Light Beam Holders for Optical Type Rangefinders; and Parts for Such Equipment, Accessories, and Supplies—Namely, Camera Racks, Camera Backs, Camera Bellows, Camera Fronts, Camera Beds, Camera Bed Guides, Camera Body Release Cables, Camera Handles, Parallax Eye-Pieces, Camera Curtains, Camera Knobs, Camera Bed Blocks, Camera Pinions, Camera Springs, Focusing Screens, Camera Plates, Camera Gears, Camera Levers, Camera Bodies, Camera Brackets, Photographic Slides, Fabric Hinges for Film Holders, Light-Proof Bags for Film Magazines, Film Magazine Fronts, Film Magazine Backs, Camera Peep-Sights, Calibrated Dials for Photographic Equipment, Scales for Photographic Equipment, Lens Caps for Photographic Equipment, and Arms for Coupled Rangefinders for Cameras.

Claims use since July 1896.

Ser. No. 609,413. Northrop Aircraft, Inc., Hawthorne, Calif., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of New York. Filed Jan. 30, 1951.

MADDIDA

For Electronic Computers and Parts Thereof, Including Input Mechanisms To Provide a Code for Controlling the Operation of the Computers, and Mechanisms for Converting the Output of the Computers Into a Useful Result.

Claims use since Jan. 10, 1950.

Ser. No. 611,340. Burnham Corporation, conducting a departmental business under the name of Lord & Burnham, Irvington-On-Hudson, N. Y. Filed Mar. 15, 1951.



No claim is made to the exclusive use of the word "Powervent" or the representations of an electric motor or valve apart from the mark as shown.

For Sash Regulator Comprising a Thermostat, a Valve Assembly, and Electrically Operated Motor-Driven Hydraulic Power Cylinder Unit.

Claims use since Oct. 7, 1950.

Ser. No. 614,780. S. Joe Jacobs, doing business under the name and style of Jacobs Bros., Philadelphia, Pa. Filed June 5, 1951.

WEATHER-CHEK

No claim is made in this application to the term "Check" apart from the mark as shown.

For Gauge for Setting and Adjusting Thermostatic Controls, Said Gauge Being a Generally Disc-Like Member Having a Peripheral Camming Surface Extending Through a Substantial Portion of Its Circumference.

Claims use since May 26, 1951.

Ser. No. 618,147. Brabender Corporation, Rochelle Park, N. J. Filed Aug. 28, 1951. (Sec. 2f.)

EXTENSOGRAPH

For Machines Which Test and Record Upon Charts Texture of Bread Dough, Including Its Extensibility and Resistance to Extension.

Claims use since May 8, 1938.

Ser. No. 619,165. N. V. Servo-Balans, The Hague, Netherlands. Filed Sept. 24, 1951.

SERVO-BALANS

Applicant claims ownership of Netherlands Registration No. 66,423, dated Apr. 26, 1934.

For Scales and Automatic Weighing, Totalizing, and Recording Machines and Their Parts.

Ser. No. 619,295. Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Filed Sept. 27, 1951.



Applicant claims ownership of Registration No. 523,100. For Electronic Equipment—Namely, Electronic Heterodyne Frequency Meters.

Claims use since Aug. 31, 1951.

Ser. No. 619,639. Martin & Schwartz, Inc., Salisbury, Md., assignor to The Wayne Pump Company, a corporation of Maryland. Filed Oct. 6, 1951.



The words and symbols "Martin & Schwartz, Inc." are disclaimed. The drawing is not lined for any specific color, but is lined to indicate that the mark is given a color contrasting with that of the background on which it is placed.

Applicant claims ownership of Registration No. 257,831. For Internal Combustion Engine Fuel and Lubricant Dispensing Pumps, Sometimes Otherwise Known and Referred to as "Combined Gasoline-Flow Gauge and Gasoline Measuring Pumps" or "Service Station Pumps" or "Computer Pumps" and Components Thereof.

Claims use since June 21, 1951.

Ser. No. 623,171. Charles L. Weckesser, doing business as Week, Norwich, N. Y. Filed Jan. 3, 1952.

X-PONE

No claim is made to the exclusive use of the term "X" apart from and except in the association as shown.

For Mechanical Exponent Counter for Slide Rules.

Claims use since Nov. 23, 1951.

Ser. No. 623,526. Wilco Products, Inc., Orange, N. J. Filed Dec. 19, 1951. (Sec. 2f.)

"CROSS SIGHT"

For Wheel Supported Sighting and Indicating Devices for Testing Wheel Alignment.

Claims use since June 1, 1945.

Ser. No. 624,606. Marine Optical Manufacturing Co., Boston, Mass. Filed Feb. 6, 1952.



For Optical Frames.

Claims use since Jan. 18, 1952.

Ser. No. 625,394. Beckman Instruments, Inc., South Pasadena, Calif. Filed Feb. 23, 1952.

AQUAMETER

For Unitary Apparatus for Performing Titrations in Which the Flow of a Karl Fischer Type Reagent is Automatically Stopped at the End Point and Comprising Titration Flasks, Stirrer, Burette, Delivery Valve for Controlling the Flow of Titrant From the Burette to the Titration Flasks, and an Electronic Control Box Having Knobs, Switches, and Indicators Thereon.

Claims use since Nov. 29, 1951.

Ser. No. 627,071. Carl Koch, doing business as Foto Koch, Schaffhausen, Switzerland. Filed Mar. 26, 1952.



Applicant claims ownership of Swiss Registration No. 121,786, dated Aug. 29, 1947.

For Photographic Apparatus—Namely, Cameras and Parts Thereof.

Ser. No. 630,109. American Instrument Company, Inc., Silver Spring, Md. Filed May 23, 1952.

HYDROTECTOR

For Hygrometers.

Claims use since Mar. 14, 1952.

Ser. No. 630,320. Ercona Camera Corporation, New York, N. Y. Filed May 27, 1952.

BIOMETAR

For Photographic Lenses.

Claims use since March 1951.

Ser. No. 632,275. Society for Visual Education, Inc., Chicago, Ill. Filed July 8, 1952.

INSTRUCTOR

For Projector for Projecting Images Upon a Screen.

Claims use since Aug. 1, 1949.

Ser. No. 633,159. Mail Pouch Tobacco Co., Wheeling, W. Va. Filed July 28, 1952.

Sans - Sol

For Eyeglasses and More Particularly Sun Glasses. Claims use since on or about July 1, 1952.

Ser. No. 633,939. Master Rule Manufacturing Co. Inc., Middletown, N. Y. Filed Aug. 14, 1952.

GUARDSMAN

For Wood Folding Rules. Claims use since Feb. 6, 1952.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 614,062. The Lambert Company, Jersey City, N. J., by merger of Pro-Phy-Lac-Tic Brush Company. Filed May 18, 1951. (Sec. 2f.)

KEEPCLEAN

Applicant claims ownership of Registration No. 29,986. For Tooth Brushes. Claims use since 1897.

Ser. No. 630,264. Golden State Brush Company, North Hollywood, Calif. Filed May 26, 1952.



The words "Genuine Nylon" are disclaimed. For Paint Brushes. Claims use since May 8, 1952.

Ser. No. 637,174. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Oct. 25, 1952.

Kodak

Applicant claims ownership of Registration No. 397,338. For Rubber Squeegees, Spotting Brushes, Colorlog Brushes, and Camel's-Hair Brushes. Claims use since June 25, 1941.

Ser. No. 637,282. Helen Smith McClure, New York, N. Y. Filed Oct. 28, 1952.

MANIQUICKS

For Pads for Removing Nail Polish. Claims use since Oct. 10, 1952.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 598,852. Heath Ceramics, Sausalito, Calif. Filed June 9, 1959. (Sec. 2f as to "Heath.")

HEATH

For Stoneware—Namely, Dinner Ware and Occasional Pieces—Namely, Pitchers, Salt and Peppers, Salad Bowls, Cruet Sets, Beer Mugs, Trays, and Casseroles.

Claims use since May 16, 1950 as to the mark shown; and since in May 1945 as to the name "Heath."

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 577,409. Tested Appliance Company, Chicago, Ill. Filed Apr. 19, 1949.

U-fil

For Filter for Water in the Form of a Replaceable Cartridge for Water Purification Devices. Claims use since Feb. 28, 1949.

Ser. No. 593,161. Reece M. Carey, doing business as Carey Electronic Engineering Company, Springfield, Ohio. Filed Feb. 28, 1950.

A-LUM-O-AIRE

No claim is made to the exclusive use of the portion "Aire" apart from the mark as a whole.

For Air Filters for Use With Heating, Ventilating, and Air Conditioning Equipment.

Claims use since Jan. 27, 1950 in the form shown; and since April 1939 as to the portion "A-Lum-O."

Ser. No. 605,126. The Vilter Manufacturing Company, Milwaukee, Wis. Filed Oct. 18, 1950. (Sec. 2f as to "Vilter.")



Applicant claims ownership of Registration No. 397,464. For Refrigerating Machines, Air-Coolers for Refrigeration Equipment, Ice Making and Ice-Briquetting Machines and Parts Thereof, Sand Coolers, Artificial Ice Skating Rinks, Brine Coolers, Pressure Vessels for Refrigerating Systems, Refrigerant Condensers, and Gaseous Refrigerant Compressors.

Claims use since May 1, 1949 as to the design portion; and since Jan. 1, 1879 as to "Vilter."

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 622,160. Massachusetts Mattress Company, Boston, Mass. Original filed, act of 1946, Supplemental Register, Dec. 6, 1951; amended to application, Principal Register, May 21, 1952.

REX

SPACE SAVER Studio

The words "Space Saver Studio" are disclaimed apart from their use in conjunction with the name "Rex." The drawing is lined for shading purposes only. Applicant claims ownership of Registrations Nos. 555,171, 555,172, and others.

For Sofa Beds and Studio Couches. Claims use since Sept. 14, 1951.

Ser. No. 630,414. Hunter Douglas Corporation, New York, N. Y. Filed May 28, 1952.

Flexalum TWIN-NIGHTER

Applicant claims ownership of Registrations Nos. 427,704, 522,365, and 532,148. For Venetian Blinds. Claims use since May 7, 1952.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 626,783. David Daltin, New York, N. Y. Filed Mar. 21, 1952.

SUN COR

For Heat Exchangers Having Extended Surface Thereon and Used in Steam Generating Plants, Hot Air Furnaces, Oil Heaters, and Wherever Indirect Heat Transfer Is To Take Place Between Fluids Having Different Surface Conductances.

Claims use since Mar. 7, 1952.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 635,795. United States Rubber Company, New York, N. Y. Filed Sept. 25, 1952. (Sec. 2f.)

GILLETTE

For Pneumatic Tires and Inner Tubes. Claims use since 1918.

CLASS 37

PAPER AND STATIONERY

Ser. No. 520,098. A. W. Faber-Castell Pencil Company, Incorporated, Newark, N. J., by change of name from A. W. Faber Inc. Original filed, act of 1905, Apr. 3, 1947; amended to application under act of 1946, Principal Register, Dec. 11, 1947. (Sec. 2f.)

A. W. FABER

"1761"

The name "A. W. Faber" is the name of an individual long since deceased. Applicant claims ownership of Registrations Nos. 86,582, 95,531, and others.

For Lead Pencils, Crayons, Ink Pencils, Rubber Erasers, Pen Holders, Pen Points, Mechanical Pencils, and Fountain Pens.

Claims use since June 15, 1946 on the mark as shown; and since 1887 as to "A. W. Faber."

Ser. No. 526,087. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Sept. 26, 1951.

OUR LEADER

For Paper Tablets. Claims use since 1899.

Ser. No. 590,902. Magnetic Merchandising, Inc., New York, N. Y. Filed Jan. 14, 1950.

Maggie

For Magnetic Pencil Holders and Bulletin Board Assemblies.

Claims use since May 8, 1948.

Ser. No. 593,341. Fort Howard Paper Company, Green Bay, Wis. Filed Mar. 3, 1950. (Sec. 2f.)

**WHITE AS SNOW
SOFT AS DOWN**

Applicant claims ownership of Registrations Nos. 241,007 and 534,133.

For Toilet Paper, Paper Towels, Paper Napkins, Paper Doilies, Paper Tablecloths, and Tissue Paper. Claims use since Jan. 10, 1927.

Ser. No. 598,120. Standard Cap and Seal Corporation, Chicago, Ill., now by change of name, Standard Packaging Corporation. Filed May 25, 1950.

G. J. Drab

No claim is made to the word "Drab" apart from the composite mark as shown. The trade-mark "G. J. Drab" is not the name of a particular person. The mark is a combination of the initials "G. J." derived from the Division name, "General Felt Products" and the descriptive word, "Drab."

For Coated Drab Paper.
Claims use since May 15, 1950.

Ser. No. 610,131. The Laudar Company, Thomson, Ga. Filed Feb. 15, 1951.

Car Service Menu

No claim is made to the words "Car Service" apart from the mark as shown.

For Partially Printed Forms for Use by Automobile Repair and Maintenance Service Stations.
Claims use since Feb. 2, 1951.

Ser. No. 610,853. The Laudar Company, Thomson, Ga. Filed Mar. 5, 1951.

Your Order Please

For Partially Printed Forms for Use by Automobile Repair and Maintenance Service Stations.
Claims use since Feb. 2, 1951.

Ser. No. 624,702. Paterson Parchment Paper Company, Bristol, Pa. Filed Feb. 8, 1952.

PATA-TRACE

No claim is made to the word "Trace" apart from the mark as shown. The drawing is lined for the color blue. For Translucent and Transparent Types of Parchmentized Tracing Papers.
Claims use since Jan. 18, 1952.

Ser. No. 625,489. Orchard Paper Co., St. Louis, Mo. Filed Feb. 25, 1952.

SIGNETTE

For Merchandise Wrapping Paper.
Claims use since Feb. 21, 1952.

Ser. No. 628,221. Rootie Kazootie, Inc., New York, N. Y. Filed Apr. 17, 1952.

MAGIC KAZOOTIE

Applicant claims ownership of Registration No. 553,597.

For Lead Pencils.
Claims use since Apr. 10, 1952.

Ser. No. 630,226. Springfield Coated Paper Corp., Camden, N. J., and New York, N. Y. Filed May 24, 1952.

'Spring-glo'

The word "Glo" is disclaimed apart from the mark as shown on the drawing.

For Coated Paper for Utility and Decorative Purposes as Used for Paper Covered Boxes, Book Covers, Portfolios, Catalogs, Pocket Books, Labels, Stock for General Printing, Display Papers, Greeting Cards.
Claims use since December 1951.

Ser. No. 632,115. Videl Dougherty, doing business under the style and title of Polly-Dell Textile Stencils, Glasco, Kans. Filed July 3, 1952.

POLLY-DELL

For Stencils Used for Pictorially Reproducing Variegated Designs of Fanciful Configurations Including Birds, Flowers, Characters, Animals, and the Like.
Claims use since on or about Mar. 1, 1950.

Ser. No. 632,380. Lanak-Roebl Mfg. Co., Minneapolis, Minn. Filed July 10, 1952.

Vaporite

For Ink Marking Pens.
Claims use since September 1946.

Ser. No. 632,564. International Paper Company, New York, N. Y. Filed July 15, 1952.

SPRINGHILL

For Kraft Paperboard.
Claims use since Oct. 4, 1939.

Ser. No. 632,666. Devoe & Reynolds Company, Inc., New York, N. Y. Filed July 17, 1952.

Stylecraft

For Wallpapers.
Claims use since May 1, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 594,514. American Colortype Company, Chicago, Ill. Filed Mar. 24, 1950.

Panorama

Applicant claims ownership of Registration No. 253,307. For Trade Publications Relating to the Field of Photography Issued From Time to Time.
Claims use since Mar. 20, 1950.

Ser. No. 627,687. R. R. Kellogg Advertising Services, Inc., Los Angeles, Calif. Filed Apr. 7, 1952. (Sec. 2f.)

Ser. No. 611,500. Best & Co. Inc., New York, N. Y. Filed Mar. 19, 1951.

"Presson"

Applicant claims ownership of Registration No. 522,048. For Printed Tags, Tabs, and Labels.
Claims use since Feb. 8, 1947.

Ser. No. 631,184. O. F. Warren, doing business as the Great Northern Map Company, Tulsa, Okla. Filed June 13, 1952.



For Abstract Ownership Maps.
Claims use since May 5, 1952.

Ser. No. 633,518. John D. Tracy, New York, N. Y. Filed Aug. 5, 1952.



For Political Publication Printed From Time to Time.
Claims use since July 11, 1952.

Ser. No. 633,941. McCall Corporation, New York, N. Y. Filed Aug. 14, 1952.

TOPS FOR YOUR GARDEN

The applicant disclaims the word "Garden" apart from the mark. Applicant claims ownership of Registration No. 554,679.

For Department, Section, or Feature in a Magazine.
Claims use since May 28, 1952.

Ser. No. 633,954. American Institute of Electrical Engineers, New York, N. Y. Filed Aug. 15, 1952.

Applications and Industry

For Monthly Periodical.
Claims use since July 30, 1952.

CLASS 39

CLOTHING

Ser. No. 606,154. Maximo Lindemann, Buenos Aires, Argentina. Filed Nov. 9, 1950.

Etam

For Stockings, Gloves, Slips, Brassieres, Garter Bands, Nightgowns, Pajamas, Negligees, and Ladies' Underwear Made of Knitted, Netted, and Textile Fabrics of Cotton, Wool, Silk, and Artificial Silk or Combinations Thereof.

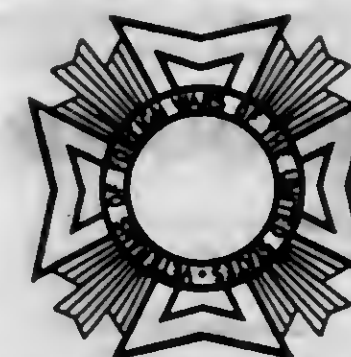
Claims use since 1916; and since 1916 in commerce between foreign nations and the United States.

SUCCESS SISTERS

For Wearing Apparel, Specifically Women's, Misses', and Children's Dresses, Coats, Fur Coats, Fur Scarves, Fur Jackets, Fur Stoles, Fur Muffs, Solis, Wraps, Outer Skirts, Jackets, Blouses and Shirts, Hats, Sweaters, Hosiery, Scarves, Collars, Neckties, Neckkerchiefs, Handkerchiefs, Bathing Suits, Beach Robes, Halters, Bathing Caps, Playsuits, Slacks, Shorts, Outershorts, Negligees, Pajamas, Nightgowns, Slips, Undershirts, Petticoats, Corsets, Girdles, Panties, Drawers, Step-Ins, Brassieres, Chemises, Riding Jackets, Riding Trousers, Jodhpurs, Ski Suits, Ski Pants, Raincoats, Gloves, Household and Bedroom Slippers and Mules Made of Canvas, Leather, Fabric, Rubber, and Combinations Thereof.

Claims use since Feb. 24, 1951.

Ser. No. 616,260. Veterans of Foreign Wars of the United States, Kansas City, Mo. Filed July 9, 1951.



Applicant claims ownership of Registration No. 283,936. For Overseas Caps, Ties, Uniform Shirts, Uniform Trousers, Uniform Blouses, Trench Coats, Baseball Caps, Basket Ball Uniforms, Bowling Shirts, T-Shirts, Baseball Uniforms, Sport Jackets, and Sweat Shirts.
Claims use since 1925.

Ser. No. 617,247. Glengyle Knitting Mills, Inc., Newark, N. J. Filed Aug. 2, 1951.



The words "Knits" and "Stitches" are disclaimed apart from the mark as shown.

For Children's Knit Underwear—Namely, Polo Shirts, Two Piece Suits Consisting of Polo Shirt and Pants, Eton Suits, Creepers, Cardigan Sweaters and Cardigan Jackets, and Children's Beach-Wear—Namely, Swim Suits, Trunks, and Sun Suits.

Claims use since June 29, 1951.

Ser. No. 618,281. Atlantic Clothing Co., Inc., New York, N. Y. Filed Aug. 31, 1951.

ALLEN PARK

The name "Allen Park" is fanciful. For Men's and Boys' Suits, Topcoats, Overcoats, Slacks, and Pants.

Claims use since Aug. 1, 1951.

Ser. No. 619,481. Society Brand Clothes, Inc., Chicago, Ill. Filed Oct. 1, 1951.

Lamvel

Applicant claims ownership of Registration No. 295,123. For Overcoats and Topcoats for Men. Claims use since 1928.

Ser. No. 627,243. Baroness Blouse, Inc., New York, N. Y. Filed Mar. 29, 1952.

Baroness

For Ladies' and Misses' Blouses and Jackets. Claims use since Feb. 2, 1948.

Ser. No. 632,481. Louis Kovacs, doing business as Kovax Products, New York, N. Y. Filed July 12, 1952.

BELTMASTER

For Men's and Women's Belts. Claims use since May 8, 1952.

Ser. No. 633,366. R. Jacobs, Inc., Philadelphia, Pa. Filed Aug. 1, 1952.

"Formalite"

For Men's Formal Clothing—Namely, Tuxedos, Full Dress Suits, Summer Formal Dinner Jackets, and Dress Trousers. Claims use since June 27, 1952.

Ser. No. 633,790. The H. A. Selnabelmer Company, Cincinnati, Ohio. Filed Aug. 12, 1952.

FORMALITE

For Men's Light Weight Formal Suits. Claims use since Feb. 25, 1952.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 612,913. William Hollins & Company Limited, Nottingham, England. Filed Apr. 20, 1951.

VIYELLA

Applicant claims ownership of British Registrations Nos. 292,708, dated Apr. 5, 1907, and 666,228, dated Jan. 27, 1948; and United States Registrations Nos. 63,690, 74,515, and others.

For Sheets, Pillowcases, Textile Rugs, Blankets, and Shawls for Furniture Drapery.

Ser. No. 613,394. Joseph Bancroft & Sons Co., Wilmington, Del. Filed May 2, 1951.

KEESET

For Fabrics of Cotton, of Rayon, and of Mixtures of Cotton and of Rayon. Claims use since Mar. 28, 1951.

Ser. No. 625,238. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

KAYDET

For Infants' Blankets. Claims use since Jan. 20, 1950.

Ser. No. 625,239. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

KIDDYNAP

For Infants' Blankets. Claims use since Mar. 10, 1928.

Ser. No. 625,243. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

SLEEPYTIME

For Infants' Blankets. Claims use since Jan. 12, 1928.

Ser. No. 625,601. Hillcrest Hosiery Mills, Inc., New York, N. Y. Filed Feb. 27, 1952.

NYBELLE

For Piece Goods of Nylon for Use in Making Undergarments—Namely, Lingerie and the Like. Claims use since Jan. 23, 1952.

Ser. No. 630,304. Avila Fabrics, Inc., New York, N. Y. Filed May 27, 1952.

NYLOPUFF

For Textile Fabric of Synthetic Fibers. Claims use since on or about May 14, 1952.

Ser. No. 630,792. Rayflex Fabrics, Inc., New York, N. Y. Filed June 5, 1952.

DENIMFLEX

For Woven Elastic Fabrics in the Piece of Cotton, Rubber, and Acrylic Fibres. Claims use since Mar. 17, 1952.

Ser. No. 631,326. J. P. Stevens & Co., Inc., New York, N. Y. Filed June 17, 1952.

SATISFACTION

For Sheets and Pillow Cases. Claims use since Nov. 7, 1949.

Ser. No. 636,302. Miron Mills, Inc., Clinton, Mass. Filed Oct. 7, 1952.

STRIETTE

For Wool Fabrics in the Piece. Claims use since Aug. 4, 1952.

CLASS 43

THREAD AND YARN

Ser. No. 637,163. Beaufit Mills, Inc., New York, N. Y. Filed Oct. 25, 1952.

Syntussa

For Novelty Synthetic Yarns. Claims use since Sept. 24, 1952.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 612,724. Beautillies, Inc., Los Angeles, Calif. Filed Apr. 17, 1951.

Beautility

For Dryer-Chair Combination for Use as Beauty Salon Equipment. Claims use since Apr. 1, 1949.

Ser. No. 620,025. Donovan Enterprises, Saugatuck, Conn. Filed Oct. 16, 1951.

BOATEX

For Suspensory for Adults and Children Which Supports a Diaper-Like Fibrous Pad Which Absorbs Body Excreta. Claims use since Aug. 7, 1951.

Ser. No. 622,428. Chattanooga Pharmacal Co., Inc., Chattanooga, Tenn. Filed Dec. 13, 1951.

HYDROCOLLATOR

For Therapeutic Steam Packs. Claims use since Nov. 29, 1949.

Ser. No. 622,949. Mould-Teck Research Laboratories, Inc., New York, N. Y. Filed Dec. 28, 1951.

MOULD-TECK

Applicant disclaims the word "Mould" apart from the mark as shown on the drawing. For Impression Material and Other Related Materials for Use in Dentistry. Claims use since Oct. 1, 1951.

Ser. No. 632,342. American Cystoscope Makers, Inc., New York, N. Y. Filed July 10, 1952. (Sec. 2f.)

BECK

For Pharyngoscopes and Components Thereof. Claims use since September 1910.

Ser. No. 632,344. American Cystoscope Makers, Inc., New York, N. Y. Filed July 10, 1952.

CAMPBELL

For Endoscopic Instruments—Namely, Cystoscopes and Components Thereof. Claims use since August 1936.

Ser. No. 632,354. Becton Dickinson and Company, Rutherford, N. J. Filed July 10, 1952.

VACUTAINER

Applicant claims ownership of Registration No. 424,957. For Specimen Tube Combination Comprising a Holder, Tube, and Needle for Collecting Blood and Other Body Fluids. Claims use since on or about Sept. 25, 1944.

Ser. No. 632,459. Oliver N. Warrick, doing business as The Warrick Dental Laboratory, Miami Beach, Fla. Filed July 11, 1952.

ORALLOY

For Chrome Cobalt Alloy for Dentistry. Claims use since Mar. 28, 1952.

Ser. No. 632,650. Paul Hopf, doing business as Hopf, Ringleb & Co., Berlin, Germany. Filed June 19, 1952.

HORICO

For Abrasive Disks and Abrasive Strips for Use by Dentists. Claims use since Aug. 6, 1949 in commerce between foreign nations and the United States.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 558,341. Bakers Associates Incorporated, Chicago, Ill. Filed June 3, 1948.

PeterWheat

The word "Wheat" is disclaimed apart from the mark as shown.

For Bread.

Claims use since Apr. 19, 1948.

Ser. No. 571,694. Dixie-Portland Flour Co., Memphis, Tenn., doing business as The Plant Flour Mills, Arkansas City, Kans. Filed Dec. 3, 1948.



For Wheat Flour.
Claims use since 1921.

Ser. No. 588,830. Salvador T. Enciso, doing business under the firm name and style of Snow-Cone-Raspada Co., Los Angeles, Calif. Filed Oct. 22, 1949.



The drawing is lined for the colors red, yellow, and green. The words "Snow Cone" and the representation of the goods are disclaimed as part of the trade-mark.

For Food Product Consisting of Finely Ground or Shaved Ice Resembling Snow or Frost, Packed in a Cone Shaped Receptacle and Seasoned With Fruit Juice, Chocolate, Maple, or Other Syrup and Colored by Suitable Coloring Material.

Claims use since Jan. 3, 1949.

Ser. No. 590,056. American Stores Company, Philadelphia, Pa. Filed Dec. 29, 1949.

FIRESIDE

For Bacon.
Claims use since Nov. 30, 1948.

Ser. No. 603,147. Norman Webb Hutchings, Sr. and Norman Webb Hutchings, Jr., doing business under the name China Doll Company, Mobile, Ala. Filed Sept. 5, 1950.



For Rice.
Claims use since Nov. 1, 1936.

Ser. No. 605,743. Hilltop Farm Feed Co., Minneapolis, Minn. Filed Nov. 1, 1950. CONCURRENT USE for the area comprising the States of Colorado, Connecticut, Delaware, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New York, Ohio, North Dakota, Pennsylvania, Rhode Island, South Dakota, Utah, Virginia, West Virginia, and Wisconsin.

FIVE STAR

Applicant claims ownership of Registration No. 414,331. For Egg Mash.
Claims use since Jan. 1, 1936.

Ser. No. 612,641. Corporacion Argentina de Productores de Carnes, New York, N. Y. Filed Mar. 23, 1951.



Applicant disclaims any exclusive right to the words "Co. Ltd." except as shown.

For Canned Corned Beef, Canned Corned Tongue, Canned Corned Pork, Canned Corned Mutton, Canned Hamburgers, Canned Beef and Gravy.

Claims use since March 1948.

Ser. No. 613,910. Joseph M. Gidding, New York, N. Y. Filed May 16, 1951.

HORSE SHOES

For Candy.
Claims use since May 1, 1951.

Ser. No. 615,888. Des Moines Co-Operative Dairy, Des Moines, Iowa. Filed June 29, 1951.



Applicant is not making a claim to the exclusive appropriation of the word "Iowa" except as used in the precise relation and association in which it appears in the drawing. For Butter and Other Dairy Products, Consisting of Cheese, Cottage Cheese, Dry Milk Solids, Non-Dry Milk Solids.

Claims use since Jan. 1, 1929.

Ser. No. 618,926. H. Gloeckler Associates, Inc., New York, N. Y. Filed Sept. 18, 1951.

CLOROSIN

For Chewing Gum Containing Chlorophyll.
Claims use since Mar. 26, 1951.

Ser. No. 620,299. Better Products Co., Portland, Oreg. Filed Oct. 22, 1951. (Sec. 2f.)



For French Dressing, Sweet Pickles, Sandwich Spread, Mayonnaise, Hot Mustard, Salad Dressing, Spanish Sauce, Horse Radish, and Sweet-N-Sour Sauce (a Food Flavoring Sauce Applicable to Cooked Meats and Gravies).
Claims use since Dec. 1, 1939.

Ser. No. 621,130. Carnation Company, Los Angeles, Calif. Filed Nov. 13, 1951.

SLENDER

For Dairy Products—Namely, Skim Milk, Cottage Cheese, and Ice Cream.
Claims use since Nov. 1, 1951.

Ser. No. 621,200. Central Soya Company, Inc., Fort Wayne, Ind. Filed Nov. 14, 1951.

PIG-ETS

No claim is made to the word "Pig" apart from the mark as shown.

For Enriched Hog Feed.
Claims use since Nov. 12, 1951.

Ser. No. 622,338. Lenderink & Co. N. V., Schiedam, Netherlands. Filed Dec. 11, 1951.

HYFOAMA

Applicant claims ownership of Netherlands Registration No. 110,218, dated Sept. 8, 1951.

For Egg White Substitutes (Proteinaceous Whipping Agents) Used in the Baking and Confectionery Trade.

Ser. No. 622,469. Van Dusen Harrington Company, doing business under the name King Midas Feed Mills, Minneapolis, Minn. Filed Dec. 13, 1951.

PRO-TONE

For Animal Feed—Namely, Livestock Feed.
Claims use since September 1951.

Ser. No. 624,131. Di Mare Bros., Boston and South Boston, Mass. Filed Jan. 26, 1952.

DI MARE'S

Tip Top

The surname "Di Mare's" is disclaimed apart from the mark shown in the drawing.

For Whole, Fresh Tomatoes; Shelled and Unshelled Nuts as Follows: Filberts, Almonds, Brazils, Walnuts, Pecans, and Peanuts; and Dates.

Claims use since Jan. 1, 1925.

Ser. No. 625,492. Rice Growers Association of California, Sacramento, Calif. Filed Feb. 25, 1952.

GEISHA

For Rice.
Claims use since 1925.

Ser. No. 625,955. Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill. Filed Mar. 5, 1952.

JUNIOR

For Frozen Turkeys.
Claims use since May 15, 1951.

Ser. No. 629,148. C. J. Berst & Co., Portage, Wis. Filed May 3, 1952.

Miss New York

Applicant disclaims the word "New York" separate and apart from the mark as shown.

For Cheese.
Claims use since October 1951.

Ser. No. 630,058. Cooperativa Cafeteros de Puerto Rico, Ponce, P. R. Filed May 22, 1952. (Sec. 2f.)



The word "Café" is disclaimed except as part of the mark as shown. The translation of the words "Café Rico" is "Rich Coffee" and the drawing is lined to indicate the color red. Applicant claims ownership of Registration No. 65,830.

For Coffee.
Claims use since 1881.

Ser. No. 630,059. Cooperativa Cafeteros de Puerto Rico, Ponce, P. R. Filed May 22, 1952. (Sec. 2f.)

Café
RICO

The word "Café" is disclaimed except as part of the mark as shown. The translation of the words "Café Rico" is "Rich Coffee." Applicant claims ownership of Registration No. 65,830.

For Coffee.
Claims use since 1881.

Ser. No. 630,060. Cooperativa Cafeteros de Puerto Rico, Ponce, P. R. Filed May 22, 1952. (Sec. 2f.)

RICO

The word "Rico" is translated as "Rich." Applicant claims ownership of Registration No. 65,830.

For Coffee.
Claims use since 1881.

Ser. No. 630,666. Cooperativa Cafeteros de Puerto Rico, Ponce, P. R. Filed June 3, 1952. (Sec. 2f.)

Café Rico

The word "Café" is disclaimed except as part of the mark as shown. The translation of the words "Café Rico" is "Rich Coffee," and the drawing is color lined to indicate the color red. Applicant claims ownership of Registration No. 65,830.

For Coffee.
Claims use since 1881.

Ser. No. 632,080. Elmer Candy Company, New Orleans, La. Filed July 2, 1952.

TOTOPIIS

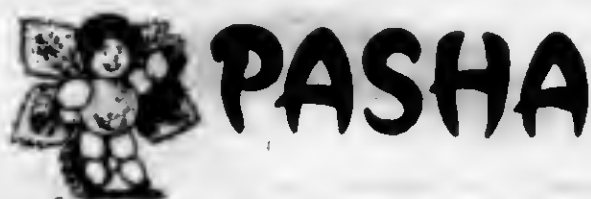
For Cereal Food Products in the Form of Curis Made From Processed Flour and Other Ingredients.
Claims use since June 13, 1952.

Ser. No. 633,206. Midwest Biscuit Company, Burlington, Iowa. Filed July 29, 1952.



For Cookies, Crackers, Macaroni, Spaghetti, and Ice Cream Cones.
Claims use since Dec. 11, 1951.

Ser. No. 633,408. Richard Bagdasarian & Co., Thermal, Calif. Filed Aug. 2, 1952.



The representation of the grapes are disclaimed.
For Fresh Grapes.
Claims use since June 8, 1952.

Ser. No. 634,241. Conserves Hero Lensbourg, Niederlenzer Kirchweg, Lensbourg, Switzerland. Filed Aug. 21, 1952.



Applicant claims ownership of Registrations Nos. 85,080 and 564,059.

For Conserved Fruits and Vegetables; Fruit Marmalades and Jams; and Canned Meats—Namely, Pig Knuckles, Ox Tongue, Jugged Hare, Sausage, and Potted Meats; and Lemon Syrup.

Claims use since September 1910.

Ser. No. 634,399. I. N. Dovel Co., Inc., Luray, Va. Filed Aug. 25, 1952.

HAWKSBILL



Applicant claims ownership of Registrations Nos. 427,006 and 427,007.

For Canned Fruits and Vegetables, Specifically Canned Peaches, Pears, Beans, Tomatoes, Dry Land Cress, and Small Whole Beets.

Claims use since June 18, 1952.

Ser. No. 634,992. San Fernando Heights Orange Association, San Fernando, Calif. Filed Sept. 8, 1952.

NORTHBRIDGE

For Fresh Citrus Fruits.
Claims use since Aug. 13, 1952.

Ser. No. 635,528. Francis Edmonds, doing business under the name King Frozen Foods, Los Angeles, Calif. Filed Sept. 20, 1952.



The word "Okra" is disclaimed apart from the mark as shown in the drawing.

For Frozen Okra.
Claims use since Dec. 31, 1950.

Ser. No. 635,551. The Procter & Gamble Company, Cincinnati, Ohio. Filed Sept. 20, 1952.

COMARSO

For Edible Vegetable Oil.
Claims use since Aug. 8, 1952.

Ser. No. 635,625. A/S S. E. Albertus, Copenhagen, Denmark. Filed Sept. 23, 1952.

DAGANO

For Cheese.
Claims use since Feb. 1, 1951; and since Sept. 5, 1952 in commerce between Denmark and the United States.

Ser. No. 635,626. A/S S. E. Albertus, Copenhagen, Denmark. Filed Sept. 23, 1952.

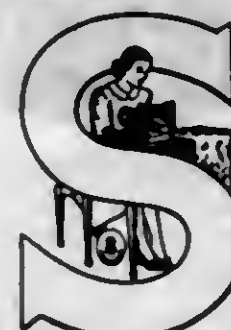
LITTLE DORRIT

For Cheese.
Claims use since Apr. 1, 1951; and since Aug. 1, 1951, in commerce between Denmark and the United States.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 626,577. The Singer Manufacturing Company, Elizabeth, N. J. Filed Apr. 23, 1952.



Applicant claims ownership of Registrations Nos. 74,186, 74,187, and others.
For Dress Forms and Dress Form Stands.
Claims use since 1940.

Ser. No. 630,167. The Singer Manufacturing Company, Elizabeth, N. J. Filed May 23, 1952.

SINGER

Applicant claims ownership of Registrations Nos. 49,599, 49,600, and others.
For Dress Forms and Dress Form Stands.
Claims use since 1940.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 582,438. Roger Macon, Vanves, France. Filed July 23, 1949.

Nicotisyl

For Dentifrices for Tobacco Smokers.
Claims use since September 1949 in France; and first used in commerce between France and the United States in February 1949.

667 O. G.—53

Ser. No. 584,965. John H. Breck, Inc., Springfield, Mass. Filed Sept. 17, 1949.



The words "Beautiful Hair" and "Breck" are disclaimed apart from the mark. The profile is not the picture of any living individual. Applicant claims ownership of Registrations Nos. 285,031, 337,494, and others.

For Hair Creams, Hair Dressings, and Hair Oils.
Claims use since Apr. 18, 1949.

Ser. No. 587,680. Floyd A. Huff, doing business as Huffson Cosmetic Company, Mansfield, Ohio. Filed Nov. 12, 1949.

Star Attraction

For Hair Dressings.
Claims use since Oct. 3, 1949.

Ser. No. 601,111. Mordecai N. Mayehoff, doing business as La Peer Products Co., Los Angeles, Calif. Filed July 22, 1950.



For Material in the Form of a Cream or Paste for Use as Cleansers and Polishes and Particularly as a Hand Cleanser.

Claims use since July 14, 1950.

Ser. No. 603,611. R. Demuth, Limited, Farnham, Surrey, England. Filed Aug. 31, 1950.

Frozo Lavender

The word "Lavender" is disclaimed apart from the mark as shown. Applicant claims ownership of British Registration No. B681,244, dated July 22, 1949.
For Solid Toilet Water.

Ser. No. 611,636. Bristol-Myers Company, New York, N. Y. Filed Mar. 22, 1951. (Sec. 2f.)

INGRAM

Applicant claims ownership of Registrations Nos. 539,822, 419,106, 136, 478, and others.
For Face Cream.
Claims use since Aug. 14, 1950.

Ser. No. 617,101. James L. Younghusband, Chicago, Ill., assignor to Jacques Wollard, New York, N. Y. Filed July 28, 1951.

FANTASTIC

Applicant claims ownership of Registration No. 557,524.
For Hair Pre-Wave Lotion and Developer Powders for Home Permanent Waving.
Claims use since Nov. 9, 1946.

Ser. No. 619,008. Bridgeport Brass Company, Bridgeport, Conn. Filed Sept. 20, 1951.

pose

For Underarm Deodorant.
Claims use since Aug. 15, 1951.

Ser. No. 629,806. Carrie McCrae, trading as Essie Mae, Elizabeth, N. J. Filed May 16, 1952.

Carrie McCrae
LABORATORIES

The name "Carrie McCrae" is the name of the applicant and purports to be a stylized facsimile of her signature. The word "Laboratories" is disclaimed apart from the mark.

For Hand Lotion, a Hair Cream, a Hair Pomade, a Pressing Oil, and a Face Cream.
Claims use since on or about Nov. 15, 1951.

Ser. No. 634,328. Richard Hudnut, New York, N. Y. Filed Aug. 22, 1952.

NANCY ADAMS

The name "Nancy Adams" is fictitious and does not refer to any known individual.
For Creme Rinse.
Claims use since Apr. 16, 1952.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 563,869. Patek Brothers, Inc., Milwaukee, Wis. Filed Aug. 23, 1948. (Classified in Class 16.)
See this serial number in Class 16 for goods and mark.
Claims use since June 1, 1930.

Ser. No. 570,118. Packard Motor Car Company, Detroit, Mich. Filed Dec. 7, 1948. (Sec. 2f.)

Packard

Applicant claims ownership of Registrations Nos. 47,621 and 389,399.
For Fabric Cleaner, Cleaner for Removing Dirt and Other Foreign Matter From Painted Surfaces of Automotive Vehicles, Metal Cleaner, Side Wall Tire Cleaner, Upholstery Spot Remover, and Tar Remover.
Claims use since in the year 1923.

Ser. No. 584,217. John H. Breck, Inc., Springfield, Mass. Filed Aug. 30, 1949.



The words "Beautiful Hair" and "Breck" are disclaimed apart from the mark as shown. The profile is not the picture of any living individual. Applicant claims ownership of Registrations Nos. 432,929 and 514,148.

For Soap Shampoos in Cake Form, Baby Skin Soaps, Soaps in Cake or Bar Form for Hair and Hands, Hand Soaps, Hand Cleaners in the Nature of a Soap or Similar Type of Detergent, Face Cleaners in the Nature of a Soap or Similar Type of Detergent.
Claims use since May 26, 1949.

Ser. No. 606,825. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950. (Classified in Class 4.)

Applicant disclaims the words "Hand Cleaner," "Formula," and "Compound" apart from the mark shown. Applicant claims ownership of Registrations Nos. 388,315, 388,316, and others.

See this serial number in Class 4 for goods and mark.
Claims use since July 15, 1940.

Ser. No. 610,005. Consolidated Rendering Company, also doing business as Atlantic Packing Company, Boston, Mass. Filed Feb. 13, 1951. (Sec. 2f.)

PREMIUM

Applicant claims ownership of Registrations Nos. 147,725 and 285,189.
For Soap, Grease for Soap-Making, and a Basic Material—Namely, Tallow, Used in Soap-Making.
Claims use since January 1901.

Ser. No. 616,596. The Du Bois Company, Cincinnati, Ohio, assignor to The Du Bois Co., Inc., a corporation of California. Filed July 17, 1951.

Carburex

For Liquid Detergent Preparation for Cleaning by Immersion Automobile Carburetor Parts.
Claims use since Apr. 28, 1950.

Ser. No. 621,633. The Pennsoli Company, Los Angeles, Calif. Filed Nov. 24, 1951.

Tune-X

The word "Tune" is disclaimed apart from the trademark as shown.

For Compound for Use as a Motor Fuel Additive and as a Cleaner Useful To Dissolve Gasoline Gum, Varnish, and Other Fuel Deposits in Internal Combustion Engines and for Other Purposes.
Claims use since Oct. 10, 1951.

Ser. No. 622,302. Jerclaydon, Inc., Miami Beach, Fla. Filed Dec. 10, 1951.



The representation of the rug is disclaimed.
For Cleaning Composition Adapted for Use in Cleaning Carpets, Rugs, and Nap Fabrics and Partially Composed of Wood Fibre and Chemicals Having Cleansing Properties.
Claims use since October 1949.

SERVICE MARKS

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 568,748. Morey La Rue Laundry Co., Elizabeth, Morristown, and Asbury Park, N. J., Staten Island, N. Y., and Easton, Pa. Filed Nov. 13, 1948. CONCURRENT USE for the area comprising the State of New Jersey, Staten Island, New York, and Northampton, Bucks and Lehigh Counties in the State of Pennsylvania.

MOTHPROTEXED

For Cleaning and Treating Blankets To Render Them Moth Repellent.
Claims use since May 21, 1948.

Ser. No. 622,554. Northwest Chemical Co., Inc., Detroit, Mich. Filed Dec. 15, 1951.

ALKALUME

For Metal Cleaning Compound for Magnesium and Aluminum Alloys.
Claims use since Dec. 3, 1941.

Ser. No. 624,681. Essential Chemicals Co., Milwaukee, Wis. Filed Feb. 8, 1952.

PREV

For Chemical Compound in Powder, Paste, or Liquid Form, for Emulsifying and Dispersing Oil, Grease, and Solvents, Also Gasoline and Other Volatile Compounds, To Render the Same Non-Flammable and Eliminate Fire Hazards; Also Used for Cleaning Purposes.
Claims use since Oct. 23, 1951.

Ser. No. 630,159. The Slinger Manufacturing Company, Elizabeth, N. J. Filed May 23, 1952. (Sec. 2f.)

SINGER

Applicant claims ownership of Registrations Nos. 49,599, 49,600, and others.
For Petroleum Derivatives for Use in Cleaning Metallic Machine Elements.
Claims use since 1946.

Ser. No. 633,871. Samuel Pressner, doing business as American Brands Company, Richmond, Va. Filed Aug. 13, 1952.

Nylonu

For Household Bleach, Having Incidental Detergent Properties.
Claims use since July 11, 1952.

CLASS 106

MATERIAL TREATMENT

Ser. No. 568,748. Morey La Rue Laundry Co., Elizabeth, Morristown, and Asbury Park, N. J., Staten Island, N. Y., and Easton, Pa. Filed Nov. 13, 1948. (Classified in Class 103.) CONCURRENT USE for the area comprising the State of New Jersey, Staten Island, New York, and Northampton, Bucks, and Lehigh Counties in the State of Pennsylvania.
See this serial number in Class 103 for goods and mark.
Claims use since May 21, 1948.

TRADE-MARK REGISTRATIONS GRANTED ACT OF 1946, PRINCIPAL REGISTER

- 570,855. Shoe Heels, Taps, and Soles. O'Sullivan Rubber Corporation, Winchester, Va.
Original filed, act of 1905, May 26, 1947; amended to application under act of 1946, Principal Register, Oct. 30, 1951, Serial No. 523,032. Published Nov. 18, 1952. Class 39.
- 570,856. Pneumatically Operated Machine Tool Attachments Intended Primarily for Use as High Speed Precision Grinders. The Vulcan Tool Company, Dayton, Ohio.
Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Nov. 15, 1951, Serial No. 525,719. Published Nov. 18, 1952. Class 23.
- 570,857. Drawing Tablets. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 29, 1948, Serial No. 526,172. Published Nov. 11, 1952. Class 37.
- 570,858. School Tablets, Composition Books, and Fillers Therefor. Hano Paper Company, Incorporated, New York, N. Y.
Filed Sept. 25, 1947, Serial No. 535,702. Published Nov. 11, 1952. Class 37.
- 570,859. Mining and Mill Machinery and Equipment Comprising Agitators, Etc. Denver Equipment Company, Denver, Colo.
Filed Oct. 17, 1947, Serial No. 538,106. Published Nov. 18, 1952. Class 23.
- 570,860. Partially Printed Forms for Use in Question and Answer Games and Said Goods Are Sold as Such in Connection With Radio Programs. Diagnis Inc., New York, N. Y.
Filed Dec. 2, 1947, Serial No. 542,910. Published Nov. 11, 1952. Class 37.
- 570,861. Prepared Mixture for the Making of Doughnuts, Crullers, Doughnut Sticks, and Other Pastry Products. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed May 27, 1948, Serial No. 557,951. Published Dec. 2, 1952. Class 46.
- 570,862. Metal Office Furniture—Namely, Chairs, Desks, Tables, Telephone Stands, Book-Cases, Couches, and Settees Constructed Essentially of Metal and Designed Primarily for Use in Offices, Commercial and Industrial Establishments, as Distinguished From Homes and Other Places of Residence. Security Steel Equipment Corporation, Woodbridge, N. J.
Filed June 9, 1948, Serial No. 558,816. Published Jan. 15, 1952. Class 32.
- 570,863. Mineral Supplement for Horses, Hogs, Cattle, Sheep, and Poultry. Viking Laboratories, Inc., Des Moines, Iowa.
Filed July 2, 1948, Serial No. 563,533. Published Nov. 25, 1952. Class 18.
- 570,864. Electric Distributors, Generators, Generator Armatures, and Electric Starters. Car Controls, Inc., Los Angeles, Calif.
Filed Sept. 27, 1948, Serial No. 565,908. Published Sept. 23, 1952. Class 21.
- 570,865. Pumps for Supplying Liquid to Hydraulic Motors or Other Hydraulic Devices and Including Constant Displacement Pumps, Etc. The Oilgear Company, Milwaukee, Wis.
Filed July 24, 1948, Serial No. 566,000. Published Nov. 11, 1952. Class 23.
- 570,866. Pumps for Supplying Liquid to Hydraulic Motors or Other Hydraulic Devices and Including Constant Displacement Pumps, Etc. The Oilgear Company, Milwaukee, Wis.
Filed July 24, 1948, Serial No. 566,001. Published Nov. 11, 1952. Class 23.
- 570,867. Non Self-Measuring Auto Fuel Pumps and Parts Therefor, Carburetors and Parts Therefor. Standard Products Company, Chicago, Ill.
Filed Oct. 29, 1948, Serial No. 567,887. Published Nov. 18, 1952. Class 23.
- 570,868. Vehicular Chassis Dynamometers. Otis Elevator Company, New York, N. Y.
Filed Nov. 16, 1948, Serial No. 568,861. Published Nov. 18, 1952. Class 26.
- 570,869. Chemical Paint and Varnish Remover. Schalk Chemical Company, Los Angeles, Calif.
Filed Dec. 11, 1948, Serial No. 570,382. Published Feb. 14, 1950. Class 52.
- 570,870. Manifolded Registers. Autographic Register Company, Hoboken, N. J.
Filed Feb. 21, 1949, Serial No. 574,186. Published Aug. 26, 1952. Class 23.
- 570,871. Hair Dressing for Grooming the Hair. The House for Men, Inc., Chicago, Ill.
Filed Mar. 8, 1949, Serial No. 575,055. Published Dec. 2, 1952. Class 51.
- 570,872. Woolen Shirts and Jackets for Men, Women, and Children. Pearce Manufacturing Company, Latrobe, Pa.
Filed Mar. 8, 1949, Serial No. 575,085. Published Nov. 18, 1952. Class 39.
- 570,873. Ultra-Violet Irradiating Machines and Accessory Equipment Therefor—Namely, Irradiator Chambers, Transfusion Apparatus, Venipuncture Needles, Tubing, and Glass Containers. Emmet Kennard Knott, doing business under the assumed name and style of Scientific Equipment Manufacturing Company, Seattle, Wash.
Filed Mar. 19, 1949, Serial No. 575,709. Published Nov. 25, 1952. Class 44.
- 570,874. Ultra-Violet Irradiating Machines and Accessory Equipment Therefor—Namely, Irradiator Chambers, Transfusion Apparatus, Venipuncture Needles, Tubing, and Glass Containers. Emmet Kennard Knott, doing business under the assumed name and style of Scientific Equipment Manufacturing Company, Seattle, Wash.
Filed Mar. 19, 1949, Serial No. 575,710. Published Nov. 25, 1952. Class 44.
- 570,875. Enameled Metal Containers—Namely, Baby Bath Tubs, Foot Bath Tubs, Etc. The Bellaire Enamel Company, Bellaire, Ohio.
Filed Apr. 1, 1949, Serial No. 576,441. Published Dec. 2, 1952. Class 13.
- 570,876. Resin Emulsion, Resin Dispersions, and Melt Compositions of One or More of the Following, Etc. The American Resinous Chemicals Corporation, Peabody, Mass.
Filed Apr. 22, 1949, Serial No. 577,508. Published Nov. 25, 1952. Class 8.

- 570,877. Glass Bedding Compound and Putty-Like Compounds Suitable for Stopping Up Crevices, Particularly Crevices in a Boat Deck or Hull. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Apr. 27, 1949, Serial No. 577,802. Published Nov. 25, 1952. Class 12.
- 570,878. Pyrophoric Lighters for Smokers. Marcel Quercia, Paris, France.
Priority under Sec. 44(d). French Registration No. 393,887, filed Apr. 28, 1949.
Filed May 12, 1949, Serial No. 578,705. Published Nov. 11, 1952. Class 8.
- 570,879. Automatic Drink-Vending Machines. Automatic Products Co., Minneapolis, Minn.
Filed May 21, 1949, Serial No. 579,253. Published Oct. 21, 1952. Class 23.
- 570,880. Macro Crystalline Suspensions of Hormones. Ciba Pharmaceutical Products, Inc., Summit, N. J.
Filed July 15, 1949, Serial No. 582,024. Published Aug. 14, 1951. Class 18.
- 570,881. Electrical Parts for Electric Toilets—Namely, Electrodes, Control Switches, and Electric Storage Batteries. Warren Products Limited, London, England.
Filed Aug. 5, 1949, Serial No. 583,059. Published Sept. 23, 1952. Class 21.
- 570,882. Paper—Namely, Tissue Paper for Covering the Wings and Other Parts of Model Airplanes. Whitfield Paper Works, Inc., Secaucus, N. J., and New York, N. Y.
Filed Aug. 19, 1949, Serial No. 583,723. Published Nov. 11, 1952. Class 37.
- 570,883. Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys. J. Schoeneman, Inc., Baltimore, Md.
Filed Aug. 24, 1949, Serial No. 583,950. Published June 27, 1950. Class 39.
- 570,884. Boys' Shoes of Leather, Fabric, or Part Leather and Part Fabric. A. S. Kreider Shoe Manufacturing Company, Elizabethtown, Pa.
Filed Sept. 1, 1949, Serial No. 584,333. Published Apr. 1, 1952. Class 39.
- 570,885. Lubricating Equipment, Particularly Dispensing Equipment, Not Including Lubricant Containers, for Lubricants, Which Equipment Features a Portable Lubricator With a Pump, Air Motor, Meter, Control Valve, and Couplings, All Sold as a Unit. Stewart-Warner Corporation, Chicago, Ill.
Filed Sept. 1, 1949, Serial No. 584,361. Published Nov. 18, 1952. Class 23.
- 570,886. Writing Instruments—Namely, Fountain Pens, Ball Point Pens and Mechanical Pencils. Eversharp, Inc., Chicago, Ill.
Filed Sept. 16, 1949, Serial No. 584,899. Published Mar. 11, 1952. Class 37.
- 570,887. Pre-Shaped Pneumatic Seat Fillers of Rubber and Like Materials With or Without Coated Fabric Coverings for Use in Shock-Absorbing Seats for Vehicles, and Complete Vehicle Seats Containing Said Fillers. Parker, Stearns and Company, Brooklyn, N. Y.
Filed Sept. 17, 1949, Serial No. 584,992. Published Sept. 4, 1951. Class 19.
- 570,888. Rubber Soles and Heels. Sven Josef Hallgren, trading as Brödersna Hallgrens Skoaffär, Enoch Hallgren, Josef Hallgren, Smalandsstenar, Sweden.
Filed Sept. 26, 1949, Serial No. 585,326. Published Nov. 18, 1952. Class 39.
- 570,889. Toilet Seats. Herculean Appliance Corporation, New York, N. Y.
Filed Oct. 3, 1949, Serial No. 585,705. Published Dec. 2, 1952. Class 13.
- 570,890. Para-Aminosalicylic Acid and Para-Aminosalicylate Acid. Pacific States Laboratories, San Francisco, Calif.
Filed Oct. 3, 1949, Serial No. 585,717. Published Nov. 25, 1952. Class 18.
- 570,891. Men's Dress and Negligee Shirts and Underwear. National Shirt Shops of Delaware, Inc., New York, N. Y.
Filed Sept. 7, 1949, Serial No. 585,974. Published Oct. 7, 1952. Class 39.
- 570,892. Men's, Women's, and Children's Shoes, Made of Leather, Kid, Fabric, and Kindred Materials. Curtis-Stephens-Embry Co., Inc., Reading, Pa.
Filed Oct. 14, 1949, Serial No. 586,268. Published Nov. 25, 1952. Class 39.
- 570,893. Foundry Equipment—Namely, Mechanical Sand Sifters, Sand Molding Machines, Sand Mixers, Etc. Frederic B. Stevens, Incorporated, Detroit, Mich.
Filed Oct. 20, 1949, Serial No. 586,606. Published Nov. 4, 1952. Class 23.
- 570,894. Covers for Books, Pamphlets, Notebooks, and Catalogs. Wire-O Corporation, Poughkeepsie, N. Y.
Filed Oct. 25, 1949, Serial No. 586,828. Published Nov. 11, 1952. Class 37.
- 570,895. Combined Clutch and Brake Mechanism for Use on Metal Forming Presses. Clearing Machine Corporation, Chicago, Ill.
Filed Nov. 5, 1949, Serial No. 587,380. Published May 1, 1951. Class 23.
- 570,896. Automotive Power Units, Consisting of Engines, Clutches, Transmission Devices, and Mufflers, for Engine Driven Vehicles. Jack & Helms Precision Industries, Inc., Cleveland, Ohio.
Filed Nov. 8, 1949, Serial No. 587,491. Published Nov. 18, 1952. Class 23.
- 570,897. Hand-Operated Food-Cutting Saws. Larsen Manufacturing Company, Columbus, Ohio.
Filed Nov. 15, 1949, Serial No. 587,808. Published Nov. 25, 1952. Class 23.
- 570,898. Pharmaceutical Preparation for the Treatment of All Forms of Tuberculosis, Either Liquid or in Tablets. Fortunato Bertucci, doing business under the name of Morgan Laboratori Scientifici Italo-Americani, Turin, Italy.
Priority under Sec. 44(d). Italian Registration No. 96,816, filed Oct. 5, 1949.
Filed Nov. 21, 1949, Serial No. 588,140. Published Nov. 25, 1952. Class 18.
- 570,899. Candy. Frank G. Shattuck Company, New York, N. Y.
Filed Nov. 30, 1949, Serial No. 588,599. Published Feb. 6, 1951. Class 46.
- 570,900. Epsom Salts for Use as a Laxative and Cathartic. American Stores Company, Philadelphia, Pa.
Filed Dec. 1, 1949, Serial No. 588,618. Published Nov. 25, 1952. Class 18.
- 570,901. Alkaline Boiler Protective in Dry and Liquid Form for Removing Scale and Rust From Boilers; Etc. Wasco Engineering Corporation, New York, N. Y.
Filed Jan. 14, 1950, Serial No. 590,921. Published Nov. 25, 1952. Class 52.
- 570,902. Perfumes, Colognes, Toilet Waters, Face Powder, Powder Sachet, Etc. Les Parfums. Worth de Paris, Inc., New York, N. Y.
Filed Jan. 20, 1950, Serial No. 591,174. Published Dec. 2, 1952. Class 51.
- 570,903. Women's Hats. Hat Corporation of America, Norwalk, Conn.
Filed Jan. 25, 1950, Serial No. 591,421. Published Nov. 28, 1950. Class 39.
- 570,904. Dress Shields. I. B. Kleinert Rubber Company, New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,782. Published Nov. 11, 1952. Class 40.

- 570,905. Therapeutic Preparations—Namely, Antiseptic Cream, Designed To Provide Prophylaxis for the Prevention and Early Treatment of Traumatized Nipples. Ortho Pharmaceutical Corporation, Raritan, N. J. Filed Feb. 8, 1950, Serial No. 592,160. Published Nov. 25, 1952. Class 18.
- 570,906. Partially-Printed Business Forms for Tax Reporting Purposes. Florence C. Fowler, Vermilion, Ohio. Filed Feb. 23, 1950, Serial No. 592,896. Published Nov. 11, 1952. Class 37.
- 570,907. Partially Printed Recipe Books. Sassafras Farm, Cecilton, Md. Filed Mar. 4, 1950, Serial No. 593,445. Published Nov. 11, 1952. Class 37.
- 570,908. Ladies' Treated Cloth Head Coverings. Arlis L. Crowther, North Hollywood, Calif. Filed Mar. 27, 1950, Serial No. 594,695. Published Oct. 7, 1952. Class 39.
- 570,909. Castable Refractory Material. Pilbrico Jointless Firebrick Company, Chicago, Ill., now by change of name Pilbrico Company. Filed May 9, 1950, Serial No. 597,161. Published Nov. 25, 1952. Class 12.
- 570,910. Compound for Treating Stomach Distress, Nausea, and Heartburn. Plough, Inc., Memphis, Tenn. Filed May 19, 1950, Serial No. 597,780. Published July 17, 1951. Class 18.
- 570,911. Women's, Misses', and Juniors' Coats. Country Tweeds Incorporated, New York, N. Y. Filed June 10, 1950, Serial No. 598,894. Published Nov. 25, 1952. Class 39.
- 570,912. Used Automobiles and Trucks. General Motors Corporation, Detroit, Mich. Filed June 13, 1950, Serial No. 598,994. Published May 27, 1952. Class 19.
- 570,913. Reed Type Sound Makers Adapted for Use in Toy Horns, Dolls, Toy Rubber Animals, and Similar Toy Devices. George Wintriss, New York, N. Y., assignor to Wintriss Inc., New York, N. Y., a corporation of New York. Filed June 14, 1950, Serial No. 599,138. Published Sept. 25, 1951. Class 22.
- 570,914. Hair Dyes. House of Prokto, Inc., Newark, N. J. Filed June 21, 1950, Serial No. 599,528. Published Sept. 16, 1952. Class 51.
- 570,915. Misses' and Women's Coats and Suits. Linker & Herbert, Inc., New York, N. Y. Filed July 11, 1950, Serial No. 600,493. Published Nov. 18, 1952. Class 39.
- 570,916. Electric Motors. Motor Wheel Corporation, Lansing, Mich. Filed July 19, 1950, Serial No. 600,903. Published Sept. 23, 1952. Class 21.
- 570,917. Fluid Pressure Apparatus for Controlling the Flow of Fuel and Tail Pipe Nozzle Opening of Turbojet and Turboramjet Engines for Aircraft in Response to Pressure Variations in Such Engines. Solar Aircraft Company, San Diego, Calif. Filed July 19, 1950, Serial No. 600,927. Published Nov. 18, 1952. Class 23.
- 570,918. Infants' Outer Garments—Namely, Cloth Coats, Leggings, Slacks, Bonnets, and Sets of the Same. Samuel Diamond & Sons, Inc., Lakewood, N. J. Filed Aug. 11, 1950, Serial No. 602,087. Published Nov. 25, 1952. Class 39.
- 570,919. Power Driven Brushes for the Paper Coating Industry—Namely, Flat Brushes, Etc. M. W. Jenkins Sons, Inc., Cedar Grove, N. J. Filed Aug. 18, 1950, Serial No. 602,403. Published Nov. 11, 1952. Class 23.
- 570,920. Basting and Serving Spoons, Ladles, Steak Knives, Kitchen Knives and Forks. Nathan Straus-Duparquet, Inc., New York, N. Y. Filed Sept. 15, 1950, Serial No. 603,607. Published Sept. 30, 1952. Class 23.
- 570,921. Fluorescent Detectors and Comparators, Etc. Menlo Research Laboratory, Menlo Park, Calif. Filed Sept. 16, 1950, Serial No. 603,636. Published Aug. 12, 1952. Class 26.
- 570,922. Molded Plastic Bibs for Infants. James R. Arseneault, Worcester, Mass. Filed Oct. 4, 1950, Serial No. 604,416. Published Nov. 25, 1952. Class 39.
- 570,923. Women's and Children's Footwear—Namely, Shoes, Loafers, and Moccasins Made of Leather. Eastland Shoes, Inc., Freeport, Maine. Filed Oct. 4, 1950, Serial No. 604,425. Published Nov. 18, 1952. Class 39.
- 570,924. Overhead Traveling Cranes, Overhead Hoists, Etc. Harnischfeger Corporation Milwaukee, Wis. Filed Oct. 12, 1950, Serial No. 604,783. Published Nov. 4, 1952. Class 23.
- 570,925. Lead Pencils. Blyantfabriken Viking A/S, Copenhagen, Denmark. Filed Oct. 13, 1950, Serial No. 604,835. Published Nov. 11, 1952. Class 37.
- 570,926. Medicinal Preparation Intended to Aid in the Relief of Gall Bladder Disturbances. McDonald Drug, Fairfax, Okla. Filed Oct. 16, 1950, Serial No. 604,983. Published Nov. 11, 1952. Class 18.
- 570,927. Various Types of Chairs, Seating and Other Furniture, Specifically Folding Chairs and Seating for Theaters, Etc. American Seating Company, Grand Rapids, Mich. Filed Oct. 25, 1950, Serial No. 605,399. Published Nov. 25, 1952. Class 32.
- 570,928. Loose Leaf Binders. Wilson Jones Company, Chicago, Ill. Filed Nov. 2, 1950, Serial No. 605,824. Published Feb. 26, 1952. Class 37.
- 570,929. General Household and Industrial Cleanser for the Cleaning of Garage and Other Floors, Walls, Dishes, Clothes, Painted Surfaces, and Alkyl Aryl Sulfonate and Sodium Metasilicate for Use as Ingredients for Making the Same. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,820. Published Nov. 25, 1952. Class 52.
- 570,930. General Household and Industrial Cleanser for the Cleaning of Garage and Other Floors, Etc. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,822. Published Nov. 25, 1952. Class 52.
- 570,931. General Household and Industrial Cleanser for the Cleaning of Garage and Other Floors, Walls, Dishes, Clothes, Painted Surfaces and Sodium Metasilicate, Etc. The Theobald Industries, Kearny, N. J. Filed Nov. 22, 1950, Serial No. 606,826. Published Nov. 25, 1952. Class 52.
- 570,932. Loose Leaf Binders. Henry M. Reis, New York, N. Y. Filed Nov. 28, 1950, Serial No. 607,042. Published Nov. 11, 1952. Class 37.
- 570,933. Paper Pulp Working Machines of the Type Employed in Crushing, Separating, and Reducing Pulp Fibers. Anton J. Haug, Nashua, N. H. Filed Nov. 29, 1950, Serial No. 607,079. Published Nov. 18, 1952. Class 23.
- 570,934. Coupling and Releasing Type Mechanical Fasteners for General Application, Buckles, Clamps, Clasps, Hooks, and Hitchers as Used for Tethering Cattle. Interlock Corporation, New York, N. Y. Filed Nov. 29, 1950, Serial No. 607,081. Published Dec. 2, 1952. Class 13.

- 570,935. Excavating Machines in the Nature of Grave Digging and Ditch Digging Machines. Treuchmaster, Inc., Alhambra, Calif. Filed Dec. 8, 1950, Serial No. 607,460. Published Nov. 18, 1952. Class 23.
- 570,936. Perfumes, Tooth Powder, Toilet Preparations for the Hair—Namely, Hair Oils, Pomades, Etc. Culpeper House Limited, London, England. Filed Dec. 20, 1950, Serial No. 607,893. Published Nov. 25, 1952. Class 51.
- 570,937. Medicine for Treating Malaria. Georges S. Ralsis, Athens, Greece. Filed Dec. 22, 1950, Serial No. 608,030. Published Nov. 11, 1952. Class 18.
- 570,938. Knives and Forks of Base Metal. The Ontario Knife Company, Franklinville, N. Y. Filed Dec. 30, 1950, Serial No. 608,257. Published Nov. 18, 1952. Class 23.
- 570,939. Buffing and Polishing Compounds for Buffing and Polishing Metallic Surfaces and Plastics. United Laboratories Co., Inc., Roselle, N. J. Filed Jan. 15, 1951, Serial No. 608,802. Published Nov. 25, 1952. Class 4.
- 570,940. Polo Shirts and Shorts, and Sets Thereof. Tam O'Shanter Sportswear, Inc., Manchester, N. H. Filed Jan. 24, 1951, Serial No. 609,191. Published Oct. 7, 1952. Class 39.
- 570,941. Smoking and Chewing Tobacco. The American Tobacco Company, New York, N. Y. Filed Feb. 5, 1951, Serial No. 609,623. Published Nov. 25, 1952. Class 17.
- 570,942. Bactericide and Fungicide Used as Additives for Dry Cleaning Products for the Purpose of Inhibiting the Growth of Bacteria and Molds. Fumol Corporation, Long Island City, N. Y. Filed Feb. 14, 1951, Serial No. 610,056. Published Nov. 18, 1952. Class 52.
- 570,943. Women's and Girls' Wearing Apparel—Namely, Skirts, Bolero Suits, Waist Sets, Dresses, and Blouses. Sorority House Sportswear, St. Louis, Mo., assignor to Sorority House Sportswear, Inc., St. Louis, Mo., a corporation of Missouri. Filed Feb. 21, 1951, Serial No. 610,382. Published Nov. 25, 1952. Class 39.
- 570,944. Women's, Misses', and Children's Pervious Textile Dresses, Halters, Outer Shorts, Outer Shirts, Blouses, Slacks, Pedal Pushers, and Jackets. Koret of California, Inc., San Francisco, Calif. Filed Feb. 24, 1951, Serial No. 610,497. Published Feb. 26, 1952. Class 39.
- 570,945. Units for Local, Voice-Communicating, Electronically Operated, Inter-Communication Systems—Namely, Microphone Units, Loudspeaker Units, Combination Microphone and Loudspeaker Units, Control Amplifier Units, and Junction Boxes. Solasound Industries, Inc., doing business as Electronic Engineering Co., Akron, Ohio. Filed Feb. 27, 1951, Serial No. 610,592. Published Oct. 28, 1952. Class 21.
- 570,946. Leather Moccasin Shoes for Women and Misses. A. Sandler Co., Boston, Mass. Filed Mar. 1, 1951, Serial No. 610,717. Published Nov. 18, 1952. Class 39.
- 570,947. Internal Combustion Engines and Parts Thereof, Etc. Waukesha Motor Company, Waukesha, Wis. Filed Mar. 7, 1951, Serial No. 611,005. Published Nov. 18, 1952. Class 23.
- 570,948. Skin Cleansing Cream. Musher Foundation Incorporated, New York, N. Y. Filed Mar. 8, 1951, Serial No. 611,040. Published Nov. 25, 1952. Class 51.
- 570,949. Skin Ointment. Musher Foundation Incorporated, New York, N. Y. Filed Mar. 8, 1951, Serial No. 611,041. Published Nov. 25, 1952. Class 18.
- 570,950. Women's and Misses' Slips, Petticoats, Sleeping and Lounging Pajamas, Robes, and Short Nightgowns. Willard J. Lewin Co., Inc., New York, N. Y. Filed Mar. 13, 1951, Serial No. 611,229. Published Dec. 2, 1952. Class 39.
- 570,951. Medicinal Preparation to Counteract the Relaxant Effect of Curare. Hoffmann-La Roche Inc., Nutley, N. J. Filed Mar. 20, 1951, Serial No. 611,572. Published Nov. 11, 1952. Class 18.
- 570,952. Ladies' and Children's Leather and Fabric Shoes. Air Line Footwear Corp., Long Island City, N. Y. Filed Mar. 28, 1951, Serial No. 611,872. Published Nov. 18, 1952. Class 39.
- 570,953. Shoes for Men, Women, and Girls. Algy Shoes, Inc., Everett, Mass. Filed Mar. 28, 1951, Serial No. 611,873. Published Jan. 8, 1952. Class 39.
- 570,954. Preparation for the Temporary Relief of Itching and Irritation Associated With Hemorrhoids. Willard A. Sullivan, doing business as Sullivan Laboratories, Huntington, W. Va. Filed Apr. 4, 1951, Serial No. 612,223. Published Nov. 25, 1952. Class 18.
- 570,955. Vial Compartmented by Means of a Seal in the Center of the Bottle and Which, When Manually Broken, Permits the Ingredients in Each Compartment To Be Mixed by the Manual Shaking of the Vial. The Harrower Laboratory, Inc., Jersey City, N. J. Filed Apr. 5, 1951, Serial No. 612,258. Published Nov. 25, 1952. Class 44.
- 570,956. Electro-Mechanical Resonator. Rahm Instruments, Inc., New York, N. Y. Filed Apr. 6, 1951, Serial No. 612,352. Published Sept. 23, 1952. Class 21.
- 570,957. Automatic Typewriters. International Business Machines Corporation, New York, N. Y. Filed Apr. 11, 1951, Serial No. 612,498. Published Nov. 4, 1952. Class 23.
- 570,958. Minnow Buckets. The Hamilton Metal Products Company, Hamilton, Ohio. Filed Apr. 13, 1951, Serial No. 612,608. Published Dec. 2, 1952. Class 22.
- 570,959. Liquid Preparation for Cleaning Glass and Other Surfaces and Temporarily Preventing Fogging Thereof. R & L W Products, Inc., New York, N. Y. Filed Apr. 17, 1951, Serial No. 612,759. Published Nov. 25, 1952. Class 52.
- 570,960. Ladies', Misses', and Juniors' Coats and Suits. Balch & Castaldi, Inc., New York, N. Y. Filed Apr. 18, 1951, Serial No. 612,782. Published Nov. 18, 1952. Class 39.
- 570,961. Pneumatic Air Hammers. The Bingham-Herbrand Corporation, Toledo, Ohio, assignor to Superior Pneumatic & Manufacturing, Inc., Garfield, Heights, Ohio. Filed Apr. 19, 1951, Serial No. 612,844. Published Nov. 11, 1952. Class 23.
- 570,962. Mineral-Surfaced Asphalt Saturated Felt Shingles for Roofing and Siding. Globe Siding Products Company, Whiting, Ind. Filed Apr. 23, 1951, Serial No. 613,001. Published Nov. 25, 1952. Class 12.
- 570,963. Medication To Be Used by Dentists for the Removal of Dental Calculus and Stained Mucin Plaques in Oral Prophylaxis by Enzyme Action. Laclede Laboratories, Inc., St. Louis, Mo. Filed Apr. 23, 1951, Serial No. 613,010. Published Nov. 11, 1952. Class 18.
- 570,964. Perfume Specialties—Namely, Mixtures of Perfume Scents, Etc. Dodge & Olcott, Inc., New York, N. Y. Filed Apr. 24, 1951, Serial No. 613,058. Published Nov. 11, 1952. Class 51.

- 570,965. Plastic Composition Shoe Soles. Jamesflex Manufacturing Co., Inc., Phoenix, Ariz.
Filed Apr. 26, 1951, Serial No. 613,172. Published Nov. 11, 1952. Class 39.
- 570,966. Disinfectant and Bleach Tablets Including Chlorine. Glisan Products Co., Inc., Chicago, Ill.
Filed Apr. 25, 1951, Serial No. 613,200. Published Nov. 4, 1952. Class 6.
- 570,967. Women's and Misses' Cloth Coats and Fur Lined and Fur Trimmed Cloth Coats. Morris Schwartz & Sons, Inc., New York, N. Y.
Filed May 2, 1951, Serial No. 613,425. Published Oct. 28, 1952. Class 39.
- 570,968. Frozen Fish—Namely, Whole, Halibut, Whole Salmon, and Steaks and Fillets Therefrom. McCallum-Legass Fish Company Inc., Seattle, Wash.
Filed May 3, 1951, Serial No. 613,471. Published Nov. 18, 1952. Class 46.
- 570,969. Antibiotic Veterinary Ointment. The Upjohn Company, Kalamazoo, Mich.
Filed May 11, 1951, Serial No. 613,795. Published Nov. 25, 1952. Class 18.
- 570,970. Needlework Implements—Namely, Knitting Needles, Crochet Hooks, Stitch Holders, Tatting Shuttles. C. J. Bates & Son, Chester, Conn.
Filed May 16, 1951, Serial No. 613,897. Published Nov. 11, 1952. Class 40.
- 570,971. Women's and Misses' Suits and Coats. Hyatt and Welaskopf Garment Co., St. Louis, Mo.
Filed May 21, 1951, Serial No. 614,148. Published Oct. 28, 1952. Class 39.
- 570,972. Reed Holders for Reeds Such as Those Used in Single Reed Musical Instruments. Reed-Tain, Inc., Fort Wayne, Ind.
Filed May 22, 1951, Serial No. 614,216. Published Dec. 2, 1952. Class 36.
- 570,973. Chinaware—Namely, Dinnerware and Dishes, Plates, Cups, Saucers, Serving Containers, and Vases Made of Chinaware. Stetson China Co., Inc., Lincoln, Ill.
Filed May 25, 1951, Serial No. 614,370. Published Nov. 25, 1952. Class 30.
- 570,974. Chinaware—Namely, Dishes, Plates, Cups, and Saucers Made of Earthenware. Stetson China Co., Inc., Lincoln, Ill.
Filed May 25, 1951, Serial No. 614,371. Published Nov. 18, 1952. Class 30.
- 570,975. Ladies' and Misses' Dresses, Suits, and Coats. Bruce S. Macintosh, doing business as Bruce Stuart, Los Angeles, Calif.
Filed May 28, 1951, Serial No. 614,447. Published Oct. 28, 1952. Class 39.
- 570,976. Nursery Stock. C. E. Wilson Nurseries, Jacksonville, Tex., and Manchester, Conn.
Filed May 31, 1951, Serial No. 614,598. Published Nov. 25, 1952. Class 1.
- 570,977. Automatic Telephone Answering and Message Recording Machines. Ericsson Telephone Sales Corporation, New York, N. Y.
Filed June 2, 1951, Serial No. 614,657. Published Sept. 23, 1952. Class 21.
- 570,978. Cardboard Covers for Racing Sheet Programs. Henry William Bernstein, Brooklyn, N. Y.
Filed June 6, 1951, Serial No. 614,808. Published Nov. 11, 1952. Class 37.
- 570,979. Colored Plastic Containing Fibers of Glass and Formed into Panels or Sheets for Use as Construction Material. International Molded Plastics, Inc., Cleveland, Ohio.
Filed June 6, 1951, Serial No. 614,831. Published Nov. 25, 1952. Class 12.
- 570,980. Suspensories. Adib Canen Salvador, Buenos Aires, Argentina.
Filed June 18, 1951, Serial No. 615,348. Published Nov. 25, 1952. Class 44.
- 570,981. Permanent Wave Solutions. Rilling Company, New York, N. Y., now by change of name, The Rilling-Dermetics Company.
Filed June 26, 1951, Serial No. 615,723. Published June 17, 1952. Class 31.
- 570,982. Study Coats for Young Men, Young Women, and Children. M. B. Fleischman Co., San Francisco, Calif.
Filed June 27, 1951, Serial No. 615,769. Published Nov. 18, 1952. Class 39.
- 570,983. Electric Lamps. The Haeger Potteries, Inc., Dundee, Ill.
Filed June 28, 1951, Serial No. 615,832. Published Sept. 23, 1952. Class 21.
- 570,984. Men's, Women's, and Children's Shoes Made of Leather, Fabrics, and/or Combinations Thereof. International Shoe Company, St. Louis, Mo.
Filed July 10, 1951, Serial No. 616,293. Published Oct. 28, 1952. Class 39.
- 570,985. Fuel Oil Sludge Dispersants—Namely, an Additive for Petroleum Products Used as Fuels To Prevent Moisture and Insoluble Material Contained Therein From Forming Sludges Which Stop Up Fuel Lines. Dearborn Chemical Company, Chicago, Ill.
Filed July 17, 1951, Serial No. 616,580. Published Dec. 2, 1952. Class 15.
- 570,986. Chewing Gum Containing Medicaments Alleviating Throat Irritation. Crawford Gum Company, Inc., Long Island City, N. Y., assignor to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey.
Filed July 20, 1951, Serial No. 616,699. Published Nov. 11, 1952. Class 18.
- 570,987. Blank Memorandum and Index Book. Catherine M. Pollock, New York, N. Y.
Filed July 20, 1951, Serial No. 616,725. Published Nov. 11, 1952. Class 37.
- 570,988. Women's, Misses', and Juniors' Coats and Suits. Klein Coat Corporation, New York, N. Y.
Filed July 21, 1951, Serial No. 616,769. Published Nov. 18, 1952. Class 39.
- 570,989. Tooth Paste, Mouth Wash, and Tooth Powder. The S. S. White Dental Manufacturing Company, Philadelphia, Pa.
Filed July 21, 1951, Serial No. 616,787. Published Dec. 2, 1952. Class 51.
- 570,990. Molded Plastic Dolls. Irwin Corporation, Fitchburg, Mass.
Filed July 25, 1951, Serial No. 616,910. Published Dec. 2, 1952. Class 22.
- 570,991. Kraft Wrapping Paper. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass.
Filed July 26, 1951, Serial No. 616,980. Published Nov. 11, 1952. Class 37.
- 570,992. Butchers' Kraft Wrapping Paper. Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass.
Filed July 26, 1951, Serial No. 616,990. Published Nov. 11, 1952. Class 37.
- 570,993. Cigarette Makers Used by Individuals To Form Their Own Cigarettes. Harry O. Herman, Yeadon, Pa.
Filed July 27, 1951, Serial No. 617,028. Published Nov. 4, 1952. Class 8.
- 570,994. Liquid Composition for Coating Cores and Molds Used in Metal-Casting Foundries. Lava Crucible Company of Pittsburgh, Pittsburgh, Pa., now by change of name Lava Crucible-Refractories Co.
Filed Aug. 16, 1951, Serial No. 617,757. Published Nov. 25, 1952. Class 1.
- 570,995. Men's, Women's, and Children's Shoes, Boots, Sandals, Slippers, and Clogs. Salvatore Ferragamo, Florence, Italy.
Filed Aug. 18, 1951, Serial No. 617,841. Published Oct. 28, 1952. Class 39.

- 570,996. Shampoo. Jacob B. Bander, doing business under the name of Academy of Beauty Culture, New York, N. Y.
Filed Aug. 28, 1951, Serial No. 618,143. Published Nov. 25, 1952. Class 52.
- 570,997. Antacid Tablets for the Relief of Acid Indigestion, Gas, Heartburn, and Stomach Acidity. Graff-Marks, New York, N. Y.
Filed Aug. 29, 1951, Serial No. 618,277. Published Nov. 11, 1952. Class 18.
- 570,998. Cough Mixture. Caesar A. Stoppelli, doing business under the name of Trisc Pharmacal Co., New York, N. Y.
Filed Sept. 5, 1951, Serial No. 618,406. Published Dec. 2, 1952. Class 18.
- 570,999. Natural, Synthetic, and Reclaimed Rubbers in Sheet Form for Further Use in the Industrial Arts. Socfin Company, Limited, Kuala Lumpur, Malaya.
Filed Aug. 22, 1951, Serial No. 618,434. Published Nov. 25, 1952. Class 1.
- 571,000. Canned Pineapple. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed Aug. 31, 1951, Serial No. 618,435. Published Dec. 2, 1952. Class 46.
- 571,001. Electrically Operated Surgical Pump Apparatus Comprising a Pump, Liquid Collecting Bottle, Etc. Gomco Surgical Manufacturing Corp., Buffalo, N. Y.
Filed Sept. 10, 1951, Serial No. 618,574. Published Nov. 25, 1952. Class 44.
- 571,002. Clays Having Colloidal Characteristics Sold in Powdered or Flake Form. The Inerto Company, San Francisco, Calif.
Filed Sept. 11, 1951, Serial No. 618,634. Published Nov. 25, 1952. Class 1.
- 571,003. Exhaust Mufflers, Mufflers for Explosive Engines, and Parts Thereof. Pratt Industries, Inc., Frankfort, N. Y.
Filed Sept. 12, 1951, Serial No. 618,714. Published Nov. 11, 1952. Class 23.
- 571,004. Field and Garden Seeds—Namely, Alaska Green Peas, Etc. Knaf & Tesch Company, Chilton, Wis.
Filed Sept. 13, 1951, Serial No. 618,745. Published Nov. 25, 1952. Class 1.
- 571,005. Brush Strip—Namely, a Special Form of Brush Element Comprising an Elongated Back From Which Brush Material Extends, Such Strip Being Adapted to Continuous Manufacture in Indefinite Lengths, Etc. The Osborn Manufacturing Company, Cleveland, Ohio.
Filed Sept. 21, 1951, Serial No. 619,102. Published Dec. 2, 1952. Class 29.
- 571,006. Eye Drops. Broemmel Pharmaceuticals, San Francisco, Calif.
Filed Sept. 24, 1951, Serial No. 619,178. Published Nov. 25, 1952. Class 18.
- 571,007. Electron-Discharge Tubes. Compagnie Francaise Thomson-Houston, Paris, France.
Filed Oct. 1, 1951, Serial No. 619,446. Published Sept. 23, 1952. Class 21.
- 571,008. Cologne. Barbara Gould, Inc., New York, N. Y.
Filed Oct. 1, 1951, Serial No. 619,462. Published Nov. 25, 1952. Class 51.
- 571,009. Men's Sportshirts. Lexington Manufacturing Company, Lexington, N. C.
Filed Oct. 4, 1951, Serial No. 619,578. Published Oct. 7, 1952. Class 39.
- 571,010. Men's, Women's, and Children's Shoes of Leather. Avon Shoe Co. Inc., Brooklyn, N. Y.
Filed Oct. 8, 1951, Serial No. 619,697. Published Dec. 2, 1952. Class 39.
- 571,011. Insecticides. Southern Agricultural Insecticides, Inc., Palmelto, Fla., and Hendersonville, N. C.
Filed Oct. 8, 1951, Serial No. 619,723. Published Dec. 2, 1952. Class 6.
- 571,012. Pharmaceutical Preparations in Tablet Form Having Antipyretic and Antirheumatic Properties and Used for the Prevention and Alleviation of Fever and Painful Inflammation and Stiffness of the Muscles and Joints. Erwin, James Company, Inc., Brooklyn, N. Y.
Filed Oct. 9, 1951, Serial No. 619,747. Published Dec. 2, 1952. Class 18.
- 571,013. Lubricants for Moving Metallic Parts and for Plastic Bearing Surfaces, Lubricating Oils and Greases, Valve Lubricants, Stopcock Greases, High Vacuum Greases for Use in Sealing and Lubricating Joints in Vacuum Systems. Dow Corning Corporation, Midland, Mich.
Filed Oct. 10, 1951, Serial No. 619,816. Published Dec. 2, 1952. Class 15.
- 571,014. Micron Sized Colloidal Silica. The Davison Chemical Corporation, Baltimore, Md.
Filed Oct. 12, 1951, Serial No. 619,926. Published Nov. 25, 1952. Class 1.
- 571,015. Dough Improver in Powdered Form Consisting of Mineral Salts and a Cereal Filler Used as an Ingredient of Bread. Standard Brands Incorporated, New York, N. Y.
Filed Oct. 12, 1951, Serial No. 619,953. Published Oct. 7, 1952. Class 46.
- 571,016. Spark Plugs, Spark Plug Porcelains, and Ignition Terminals. General Motors Corporation, Detroit, Mich.
Filed Oct. 19, 1951, Serial No. 620,207. Published Sept. 23, 1952. Class 21.
- 571,017. Paints in Dry Powdered Form. Art-Cement Manufacturing Co., Miami, Fla.
Filed Oct. 22, 1951, Serial No. 620,294. Published Dec. 2, 1952. Class 16.
- 571,018. Cigarettes. Peter Jackson (Overseas) Limited, London, England.
Filed Oct. 24, 1951, Serial No. 620,424. Published Nov. 18, 1952. Class 17.
- 571,019. Cups, Saucers, and Dishes Made of Fine China. Samuel T. Naito, doing business under the assumed name of Northwest Trading Co., Portland, Oreg.
Filed Oct. 26, 1951, Serial No. 620,522. Published Nov. 25, 1952. Class 30.
- 571,020. Women's and Children's Garments—Namely, Pajamas, Beach and Lounging Robes and Slacks, Nightgowns, Blouses, Dresses, Bedjackets, Slips, Panties, Petticoats, Negligees, and Scruffs. The Eastern Isles, Inc., New York, N. Y.
Filed Oct. 29, 1951, Serial No. 620,593. Published Oct. 7, 1952. Class 39.
- 571,021. Electromagnetic Signal Boosters and Amplifiers. The Alliance Manufacturing Company, Alliance, Ohio.
Filed Oct. 30, 1951, Serial No. 620,656. Published Sept. 23, 1952. Class 21.
- 571,022. Foundation Garments—Namely, Corselettes and Combined Girdles and Brassieres. The Strouse, Adler Company, New Haven, Conn.
Filed Nov. 6, 1951, Serial No. 620,933. Published Dec. 2, 1952. Class 39.
- 571,023. Firearms, Cartridges, and Rounds of Ammunition. N. V. Nederlandsche Machinefabriek "Artillerie Inrichtingen," Hembrug, Zaandam, Netherlands.
Filed Nov. 9, 1951, Serial No. 621,080. Published Dec. 2, 1952. Class 9.
- 571,024. Synthetic Yarn. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Nov. 17, 1951, Serial No. 621,358. Published Dec. 9, 1952. Class 43.
- 571,025. Ladies' and Girls' Pajamas, Pajama Coats, Beach Coats, Smock Coats, Utility Coats, and Bath Robes. Kaylon Incorporated, New York, N. Y.
Filed Nov. 17, 1951, Serial No. 621,367. Published Nov. 18, 1952. Class 39.

- 571,020. Women's and Misses' Wearing Apparel—Namely, Dresses, Coats, Suits, Hats, Blouses, Fur Coats, and Scarves. Russeks Fifth Avenue, Inc., New York, N. Y. Filed Nov. 23, 1951, Serial No. 621,579. Published Nov. 18, 1952. Class 39.
- 571,027. Herbs and Spices—Namely, Black Pepper, Paprika, Allspice, Celery Seed, Garlic Salt, Ginger, Mace, Cloves, Sage, Marjoram, Oregano, Rosemary, and Thyme. Selfright Giftwares Corp., New York, N. Y. Filed Nov. 29, 1951, Serial No. 621,842. Published Dec. 2, 1952. Class 46.
- 571,028. Glass Dishes for Serving and Transporting Prepared Foods. Mealpack Corporation, Evanston, Ill. Filed Dec. 7, 1951, Serial No. 622,218. Published Nov. 25, 1952. Class 33.
- 571,029. Shoulder Straps for Brassieres and Corsets, Adjustable Backs for Brassieres and Corsets, and Garter Grips for Corsets and Girdles. The Cello Company, New York, N. Y. Filed Dec. 13, 1951, Serial No. 622,427. Published Nov. 11, 1952. Class 40.
- 571,030. Liquid Tonic. The Garmal Company, Shreveport, La., and Dallas, Tex. Filed Dec. 13, 1951, Serial No. 622,452. Published Nov. 11, 1952. Class 18.
- 571,031. Liquid Compound for External Treatment of Skin Eruptions, Irritations, and Infections. Bernardino Robaina Perez, trading as Laboratorio Acetolla, Mexico City, Mexico. Filed Dec. 14, 1951, Serial No. 622,511. Published Nov. 11, 1952. Class 18.
- 571,032. Potatoes in Their Natural State. Tropical Agriculture Co-operative Association, Goida, Fla. Filed Dec. 14, 1951, Serial No. 622,510. Published Nov. 18, 1952. Class 46.
- 571,033. Plasma Volume Expander. Laros Textiles Company, doing business under the name of Laros, Bethlehem, Pa. Filed Dec. 17, 1951, Serial No. 622,600. Published Nov. 11, 1952. Class 18.
- 571,034. Incandescent Lamps or Bulbs. Lustra Corporation of America, Brooklyn, N. Y. Filed Dec. 28, 1951, Serial No. 622,944. Published Sept. 23, 1952. Class 21.
- 571,035. Men's and Boys' Overalls, Dungarees, and Outer Shirts. Blue Bell, Inc., Greensboro, N. C. Filed Dec. 29, 1951, Serial No. 622,984. Published Oct. 7, 1952. Class 39.
- 571,036. Kiddies' and Girls' Dungarees, Overalls, and Boxer Longies. Blue Bell, Inc., Greensboro, N. C. Filed Dec. 29, 1951, Serial No. 622,986. Published Oct. 7, 1952. Class 39.
- 571,037. Men's Clothing, Specifically Suits, Tuxedos, Robes, Etc. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Jan. 3, 1952, Serial No. 623,133. Published Oct. 7, 1952. Class 39.
- 571,038. Shoes of Leather, Fabric, Elastic, or of Combinations Thereof for Women and Children. Miles Shoes Incorporated, New York, N. Y. Filed Jan. 8, 1952, Serial No. 623,313. Published Oct. 28, 1952. Class 39.
- 571,039. Pitch. Koppers Company, Inc., Pittsburgh, Pa. Filed Jan. 9, 1952, Serial No. 623,354. Published Nov. 25, 1952. Class 1.
- 571,040. Sulfonamide Suspension. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 9, 1952, Serial No. 623,372. Published Dec. 2, 1952. Class 18.
- 571,041. Expansion Joints and Gaskets for Poured Concrete Construction. William Grund, doing business under the assumed name of Grund Plastic Industries, Detroit, Mich. Filed Jan. 14, 1952, Serial No. 623,541. Published Dec. 2, 1952. Class 12.
- 571,042. Ladies' and Misses' Shoes, Play Shoes, and Slippers. Sona Shoe Company, Bonne Terre, Mo. Filed Jan. 17, 1952, Serial No. 623,738. Published Nov. 18, 1952. Class 39.
- 571,043. Disc Harrows. Farm Tools, Inc., Mansfield, Ohio. Filed Jan. 18, 1952, Serial No. 623,755. Published Nov. 18, 1952. Class 23.
- 571,044. Live Chinchillas. Spanish Bit Chinchilla Ranch, Harbor City, Calif. Filed Jan. 19, 1952, Serial No. 623,809. Published Nov. 25, 1952. Class 1.
- 571,045. Industrial Mixers for the Blending of Oil and Other Hydrocarbons in Oil Tanks. Par Equipment, Inc., Tulsa, Okla. Filed Jan. 24, 1952, Serial No. 624,049. Published Nov. 25, 1952. Class 23.
- 571,046. Separators for Electric Storage Batteries Made of a Semi-Felted Fabric Including Among Other Fibers, Fibers of Thermoplastic Material. American Felt Company, Glenville, Conn. Filed Jan. 25, 1952, Serial No. 624,071. Published Sept. 23, 1952. Class 21.
- 571,047. Photographic Cameras. Burrell Brooks Co., New York, N. Y. Filed Jan. 26, 1952, Serial No. 624,122. Published Nov. 18, 1952. Class 26.
- 571,048. Post-Twines, Kite Cords, Household Twines, Twisted Chalk, Etc. Cleveland Mills Co., Lawndale, N. C. Filed Jan. 28, 1952, Serial No. 624,183. Published Dec. 2, 1952. Class 7.
- 571,049. Women's, Misses', and Children's Shoes, Made of Leather, Rubber, Fabric, and Combinations Thereof. Postur-Line Shoes, Cedarhurst, N. Y. Filed Jan. 30, 1952, Serial No. 624,293. Published Nov. 11, 1952. Class 39.
- 571,050. Donor Sets for Taking Blood and for Recipient Sets for Giving Blood or Solutions Intravenously to Medical Patients. Sterilon Corporation, Buffalo, N. Y. Filed Jan. 30, 1952, Serial No. 624,309. Published Nov. 25, 1952. Class 44.
- 571,051. Women's Shoes. Simone Shoes To Match, New York, N. Y. Filed Jan. 31, 1952, Serial No. 624,439. Published Dec. 2, 1952. Class 39.
- 571,052. Medicinal Preparation Containing Methyl-androstenediol for Use as a Substitute for Testosterone in Certain Conditions. E. S. Miller Laboratories, Inc., Los Angeles, Calif. Filed Feb. 4, 1952, Serial No. 624,496. Published Dec. 2, 1952. Class 18.
- 571,053. Shoe Soles. Gro-Cord Rubber Company, Lima, Ohio. Filed Feb. 5, 1952, Serial No. 624,537. Published Oct. 28, 1952. Class 39.
- 571,054. Razor Blades. Paul R. Paradise, doing business as "Dav" Razor Blade Co., Chicago, Ill. Filed Feb. 5, 1952, Serial No. 624,566. Published Sept. 2, 1952. Class 23.
- 571,055. Lawn Seed. Seaboard Seed Company, Philadelphia, Pa. Filed Feb. 11, 1952, Serial No. 624,798. Published Nov. 25, 1952. Class 1.
- 571,056. Shoes—Namely, Children's Shoes. M. D. Shoe Co., New York, N. Y. Filed Feb. 14, 1952, Serial No. 624,958. Published Nov. 18, 1952. Class 39.
- 571,057. Disinfectant and Cleanser Combined. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952, Serial No. 625,158. Published Nov. 18, 1952. Class 52.

- 571,058. Disinfectant and Cleanser Combined. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952, Serial No. 625,160. Published Nov. 18, 1952. Class 52.
- 571,059. Heels for Shoes. Gabriel-Century Wood Heel Corporation, Brooklyn, N. Y. Filed Feb. 19, 1952, Serial No. 625,200. Published Nov. 18, 1952. Class 39.
- 571,060. Continuous Drawn Strands and Yarns Formed of Glass Fibers. Libbey-Owens-Ford Glass Company, Toledo, Ohio. Filed Feb. 20, 1952, Serial No. 625,284. Published Dec. 2, 1952. Class 43.
- 571,061. Paper Napkins, Paper Towels, and Toilet Tissue. Erving Paper Mills, Erving, Mass. Filed Feb. 6, 1952, Serial No. 625,319. Published Nov. 11, 1952. Class 37.
- 571,062. Wrapping Paper. Thilmsay Pulp & Paper Company, Kaukauna, Wis. Filed Feb. 21, 1952, Serial No. 625,376. Published Nov. 11, 1952. Class 37.
- 571,063. Hand Operated Tools for Expanding Rubber Bands for Use in Docking and Castrating Animals. Robert M. Minock, doing business as Minock Manufacturing Company, Denver, Colo. Filed Feb. 23, 1952, Serial No. 625,430. Published Nov. 25, 1952. Class 44.
- 571,064. Rubber Additive for Asphaltic Concrete or for Concrete. The Flintkote Company, New York, N. Y. Filed Feb. 26, 1952, Serial No. 625,528. Published Oct. 14, 1952. Class 12.
- 571,065. Cleaning Composition for Laundry Purposes. H. Kohnstamm & Co., Inc., New York, N. Y. Filed Feb. 27, 1952, Serial No. 625,607. Published Nov. 25, 1952. Class 52.
- 571,066. Chemical Product in Granular Form for Rust-Proofing and Cleaning Metals and Metal Parts in the Metal Working Industry. The Diversy Corporation, Chicago, Ill. Filed Feb. 28, 1952, Serial No. 625,665. Published Nov. 25, 1952. Class 52.
- 571,067. Cleaning Compounds. Fries & Fries, Inc., Cincinnati, Ohio. Filed Feb. 29, 1952, Serial No. 625,728. Published Dec. 2, 1952. Class 52.
- 571,068. Cleaning Compounds. Fries & Fries, Inc., Cincinnati, Ohio. Filed Feb. 29, 1952, Serial No. 625,729. Published Dec. 2, 1952. Class 52.
- 571,069. Live Chickens and Chicken Eggs for Use in the Growing and Breeding of Chickens. A. Stanley Anderson, doing business under the firm name and style of Anderson's Hatchery and Breeding Farm, Rio Linda, Calif. Filed Mar. 4, 1952, Serial No. 625,877. Published Nov. 25, 1952. Class 1.
- 571,070. Artificial Fish Lures. Charles D. Lovelace, doing business as Lovelace Mfg. Co., Bandera, Tex. Filed Mar. 4, 1952, Serial No. 625,913. Published Dec. 2, 1952. Class 22.
- 571,071. Shoes, Made of Leather, Rubber, Fabric, and/or Any Combinations Thereof, for Men, Women, and Children. Cannon Shoe Company, Baltimore, Md. Filed Mar. 6, 1952, Serial No. 626,024. Published Nov. 18, 1952. Class 39.
- 571,072. Toys—Namely, Toy Guns, Toy Holsters, Imitation Leather Toy Cuffs, Etc. William Boyd, Beverly Hills, Calif. Filed Mar. 10, 1952, Serial No. 626,191. Published Dec. 2, 1952. Class 22.
- 571,073. Shoes, Made of Rubber, Fabric, Leather, and/or Any Combinations Thereof, for Men, Women, and Children. The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md. Filed Mar. 10, 1952, Serial No. 626,194. Published Nov. 18, 1952. Class 39.
- 571,074. Soles for Boots and Shoes, and Boots and Shoes Made of Leather, Rubber, and/or Any Combination Thereof, for Men, Women, and Children. The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md. Filed Mar. 10, 1952, Serial No. 626,195. Published Nov. 18, 1952. Class 39.
- 571,075. Ladies' Clothing—Namely, Fur Coats, Capes, and Jackets. S. Cutler & Sons, Inc., New York, N. Y. Filed Mar. 10, 1952, Serial No. 626,199. Published Oct. 7, 1952. Class 39.
- 571,076. Watchmakers' Tweezers. C. & E. Marshall Company, Chicago, Ill. Filed Mar. 6, 1952, Serial No. 626,292. Published Nov. 11, 1952. Class 23.
- 571,077. Non Sensitized Paper for Use in Photography. Gevaert Photo-Producten N. V., Mortsel, Belgium. Filed Mar. 12, 1952, Serial No. 626,322. Published Nov. 11, 1952. Class 37.
- 571,078. Stapling Machines Used for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal Together, and Also for Fastening Papers, Cardboard, Fabrics, and Light Gauge Metal on to Wood. Markwell Manufacturing Co., Inc., New York, N. Y. Filed Mar. 15, 1952, Serial No. 626,520. Published Oct. 21, 1952. Class 23.
- 571,079. Women's and Children's Leather Shoes. The Nobil Shoe Company, Akron, Ohio. Filed Mar. 15, 1952, Serial No. 626,526. Published Nov. 18, 1952. Class 39.
- 571,080. Drinking Glasses, Pitchers, Coasters, and Cocktail Shakers, in Each Case Made of Glass. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Mar. 18, 1952, Serial No. 626,617. Published Dec. 2, 1952. Class 33.
- 571,081. Ladies' Suits. Burstein Co., Inc., Boston, Mass. Filed Mar. 20, 1952, Serial No. 626,729. Published Nov. 18, 1952. Class 39.
- 571,082. Shoes for Children. K-P Shoe Co., Portage, Wis. Filed Mar. 20, 1952, Serial No. 626,740. Published Nov. 18, 1952. Class 39.
- 571,083. Peppermint Leaves Used as a Substitute for Tobacco. K & T Co., Washington, Pa. Filed Mar. 21, 1952, Serial No. 626,796. Published Nov. 18, 1952. Class 17.
- 571,084. Women's and Children's Garments—Namely, Robes, Housecoats, and Dresses. Royal Robes, Inc., New York, N. Y. Filed Mar. 25, 1952, Serial No. 627,010. Published Nov. 18, 1952. Class 39.
- 571,085. Cereal Food Consisting of a Blend of Wheat, Rye, Bran, and Flax, for Use as a Breakfast Cereal or for Use in Baking or Other Forms of Cooking. Roman Meal Company, Tacoma, Wash. Filed Mar. 26, 1952, Serial No. 627,090. Published Nov. 18, 1952. Class 46.
- 571,086. Ladies' and Children's Slacks and Leggings. Stern & Herff Corp., New York, N. Y. Filed Apr. 2, 1952, Serial No. 627,469. Published Nov. 18, 1952. Class 39.
- 571,087. Hammer for Use in the Production of Drop Forgings. Chambersburg Engineering Company, Chambersburg, Pa. Filed Apr. 7, 1952, Serial No. 627,673. Published Nov. 4, 1952. Class 23.
- 571,088. Ladies' and Misses' Outerwear—Namely, Coats, Suits, Jackets, and Skirts. Leeds Ltd. Coats, Inc., New York, N. Y. Filed Apr. 8, 1952, Serial No. 627,752. Published Nov. 18, 1952. Class 39.

- 571,089. Convertible Sofas. Slumber Products Corporation, Memphis, Tenn. Filed Apr. 10, 1952, Serial No. 627,903. Published Nov. 18, 1952. Class 32.
- 571,090. Flexible Pipe Couplings Comprising a Multiple Section Housing, Made of Metal or Plastic, Etc. Victaulic Company of America, Union, N. J. Filed Apr. 10, 1952, Serial No. 627,911. Published Nov. 25, 1952. Class 13.
- 571,091. Flexible Pipe Couplings Comprising a Multiple Section Housing, Made of Metal or Plastic, Etc. Victaulic Company of America, Union, N. J. Filed Apr. 10, 1952, Serial No. 627,912. Published Nov. 25, 1952. Class 13.
- 571,092. Cooking Ware Made of Semi-Vitreous China—Namely, Casseroles, Bean Pots, and Tureens. Samuel L. Oerson, Wilmington, Del. Filed Apr. 15, 1952, Serial No. 628,101. Published Nov. 25, 1952. Class 30.
- 571,093. Children's Shoes. Kilne Brothers Co., New York, N. Y. Filed Apr. 15, 1952, Serial No. 628,110. Published Nov. 18, 1952. Class 39.
- 571,094. By-Product From Sulphite Mill Waste Containing as Its Principal Constituents Residual Lignin, Calcium Carbonate, Etc. The Ontario Paper Company Limited, Township of Thorold, Ontario, Canada. Filed Apr. 15, 1952, Serial No. 628,118. Published Nov. 4, 1952. Class 6.
- 571,095. Upholstered Living Room and Bed Room Furniture—Namely, Chairs, Rockers, Settees, and Daybeds. Honeycutt Manufacturing Company, Inc., Washington, D. C. Filed Apr. 18, 1952, Serial No. 628,274. Published Nov. 18, 1952. Class 32.
- 571,096. Thread. Groves Thread Company, Inc., Gastonia, N. C. Filed Mar. 31, 1952, Serial No. 628,326. Published Dec. 2, 1952. Class 43.
- 571,097. Thread. Groves Thread Company, Inc., Gastonia, N. C. Filed Mar. 31, 1952, Serial No. 628,328. Published Dec. 2, 1952. Class 43.
- 571,098. Thread. Groves Thread Company, Inc., Gastonia, N. C. Filed Mar. 31, 1952, Serial No. 628,329. Published Dec. 2, 1952. Class 43.
- 571,099. Thread. Groves Thread Company, Inc., Gastonia, N. C. Filed Mar. 31, 1952, Serial No. 628,337. Published Dec. 2, 1952. Class 43.
- 571,100. Base Metal Table Cutlery—Namely, Knives, Forks, and Spoons. National Silver Company, New York, N. Y. Filed Apr. 21, 1952, Serial No. 628,421. Published Nov. 18, 1952. Class 23.
- 571,101. Jigsaw Puzzle Game. Jaymar Specialty Company, Brooklyn, N. Y. Filed Apr. 22, 1952, Serial No. 628,467. Published Dec. 2, 1952. Class 22.
- 571,102. Women's and Girls' Hosiery. Liberty Hosiery Mills, Inc., Liberty, N. C. Filed Apr. 22, 1952, Serial No. 628,500. Published Nov. 25, 1952. Class 39.
- 571,103. Sheet Glass. American Window Glass Company, Pittsburgh, Pa. Filed Apr. 23, 1952, Serial No. 628,515. Published Nov. 25, 1952. Class 33.
- 571,104. Sled. Kalamazoo Sled Company, Kalamazoo, Mich. Filed Apr. 25, 1952, Serial No. 628,606. Published Dec. 2, 1952. Class 22.
- 571,105. Women's and Girls' Hats, Jeans, Handkerchiefs, Scarves, Boots, Skirts, Belts, Dresses, Shirts, Slippers, Moccasins, Robes, Caps, Socks, Sweaters, Nighties, Coats, and Vests. Annie Oakley Enterprises, Inc., Los Angeles, Calif. Filed Apr. 26, 1952, Serial No. 628,734. Published Nov. 25, 1952. Class 39.
- 571,106. Women's Hosiery. Steuer & Vamon, New York, N. Y. Filed Apr. 26, 1952, Serial No. 628,789. Published Nov. 25, 1952. Class 39.
- 571,107. Dinnerware—Namely, Dishes, Plates, Cups, and Saucers Made of Earthenware. Stetson China Co., Inc., Lincoln, Ill. Filed May 2, 1952, Serial No. 629,130. Published Nov. 25, 1952. Class 30.
- 571,108. Dinnerware—Namely, Dishes, Plates, Cups, and Saucers Made of Earthenware. Stetson China Co., Inc., Lincoln, Ill. Filed May 2, 1952, Serial No. 629,132. Published Nov. 25, 1952. Class 30.
- 571,109. Plate, Mirror, Optical, and Window Glass in Sheet, Rod, and Tube Form and Cut, Shaped, and Moulded Blank Pieces Comprised Thereof. Fish-Schurman Corporation, New Rochelle, N. Y. Filed May 9, 1952, Serial No. 629,428. Published Dec. 2, 1952. Class 33.
- 571,110. Chemo-Therapeutic Agent Used in the Treatment of Tuberculosis. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed May 14, 1952, Serial No. 629,660. Published Nov. 11, 1952. Class 18.
- 571,111. Isonicotinic Acid Hydrazide Used as a Bactericidal and Bacteriostatic Agent in the Treatment of Conditions Resulting From Infections of Tubercle Bacillus. U. S. Vitamin Corporation, New York, N. Y. Filed May 21, 1952, Serial No. 630,044. Published Nov. 11, 1952. Class 18.
- 571,112. Natural Citrus Flavonoid Compound Extracted From Citrus Peel Demonstrated To Be Effective in Overcoming Abnormal Capillary Fragility. U. S. Vitamin Corporation, New York, N. Y. Filed May 22, 1952, Serial No. 630,104. Published Nov. 11, 1952. Class 18.
- 571,113. Lawn Mowers. Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Filed May 24, 1952, Serial No. 630,235. Published Nov. 18, 1952. Class 23.
- 571,114. Lawn Mowers. Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Filed May 24, 1952, Serial No. 630,237. Published Nov. 18, 1952. Class 23.
- 571,115. Soil Conditioner. Drum Chemicals, Inc., Brooklyn, N. Y. Filed June 18, 1952, Serial No. 631,345. Published Dec. 2, 1952. Class 10.
- 571,116. Medicinal Preparation for Use in the Treatment of Circulatory Disorders, Such as Hypertension and Deficient Peripheral Circulations. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Filed June 21, 1952, Serial No. 631,541. Published Dec. 2, 1952. Class 18.
- 571,117. Tablets for Analgesic, Antipyretic, and Sedative Purposes. Ames Company, Inc., Elkhart, Ind. Filed July 18, 1952, Serial No. 632,192. Published Sept. 16, 1952. Class 18.
- 571,118. Preparation for the Treatment of Diarrhea. Strong, Cobb & Company, Inc., Cleveland, Ohio. Filed July 17, 1952, Serial No. 632,701. Published Dec. 2, 1952. Class 18.
- 571,119. Conveyors of Various Types—Namely, Apron, Arm, Belt-Flat and Trough, Etc. Jervis B. Webb Company, Detroit, Mich. Filed July 17, 1952, Serial No. 632,704. Published Dec. 2, 1952. Class 23.

- 571,120. Medicated Chewing Gum Tablets for Combating Tobacco Habit. Harry D. Koenig, doing business under the name of Swan Luxuries Co., New York, N. Y. Filed July 18, 1952, Serial No. 632,730. Published Dec. 2, 1952. Class 18.
- 571,121. Antibacterial Preparation. E. R. Squibb & Sons, New York, N. Y., assignor to Mathieson Chemical Corporation, Saltville, Va., a corporation of Virginia. Filed July 22, 1952, Serial No. 632,905. Published Dec. 2, 1952. Class 18.
- 571,122. Soap. Ernest E. Reich, doing business as Delta Chemical Laboratory, New Orleans, La. Filed Sept. 3, 1952, Serial No. 634,806. Published Dec. 2, 1952. Class 52.
- 571,123. Chocolate Candy Pieces. Rockwood & Co., Brooklyn, N. Y. Filed Sept. 5, 1952, Serial No. 634,919. Published Dec. 2, 1952. Class 46.
- 571,124. Entertainment Services, Consisting of Information and Demonstrations in the Fields of Natural History, Etc. Ivan T. Sanderson, New York, N. Y. Filed Jan. 15, 1949, Serial No. 572,273. Published Dec. 2, 1952. Class 107.
- 571,125. Dyeing Textile Fabrics in the Piece and Chemically Treating Such Goods To Render Them Water and Stain Repellent and Permanently Crease Resistant. P. V. M. Corporation, Wappingers Falls and New York, N. Y. Filed May 13, 1950, Serial No. 597,414. Published Dec. 2, 1952. Class 100.
- 571,126. Accepting Savings for Deposit. United Savings and Loan Association, Glendale, Calif. Filed May 28, 1951, Serial No. 614,472. Published Dec. 2, 1952. Class 102.
- 571,127. Laundry Services, Rug Cleaning, and Dry Cleaning. Palace Laundry, Inc., Washington, D. C. Filed Apr. 3, 1952, Serial No. 627,522. Published Dec. 2, 1952. Class 103.

Certification Mark

- 571,128. Can-Openers. Can Manufacturers Institute, Inc., New York, N. Y. Filed Mar. 6, 1952, Serial No. 626,023. Published Nov. 11, 1952. Class 23.

Collective Mark

- 571,129. Automotive Gears—Namely, Drive Gears and Pinions, Flywheel Gears, Etc. National Automotive Parts Association, Detroit, Mich. Filed Jan. 26, 1950, Serial No. 591,506. Published Nov. 18, 1952. Class 23.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

- 571,130. (Class 46. Foods and Ingredients of Foods.) Steele Canning Company, Springdale, Ark. Original filed, act of 1946, Principal Register, Mar. 25, 1952; amended to application, Supplemental Register, Jan. 19, 1953, Serial No. 627,015.
- 571,131. (Class 46. Foods and Ingredients of Foods.) Eddy Bakeries, Inc., Helena, Mont. Original filed, act of 1946, Principal Register, July 20, 1948; amended to application, Supplemental Register, Aug. 6, 1952, Serial No. 561,735.
- 571,132. (Class 16. Protective and Decorative Coatings.) Patek Brothers, Inc., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Aug. 23, 1948; amended to application, Supplemental Register, Feb. 9, 1950, Serial No. 563,870.

SHELL OUTS

For Canned Vegetables.
Claims use since June 7, 1950.

- 571,131. (Class 46. Foods and Ingredients of Foods.) Eddy Bakeries, Inc., Helena, Mont. Original filed, act of 1946, Principal Register, July 20, 1948; amended to application, Supplemental Register, Aug. 6, 1952, Serial No. 561,735.

goodness-yes!

For Bread.
Claims use since June 1, 1945.

- 571,132. (Class 16. Protective and Decorative Coatings.) Patek Brothers, Inc., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Aug. 23, 1948; amended to application, Supplemental Register, Feb. 9, 1950, Serial No. 563,870.

WHEN YOU THINK OF PAINT—THINK OF PATEK

For Interior and Exterior Paints for All Types of Surfaces and Sold in Powder, Paste or Liquid Forms; Calcimine; Paint and Baking Enamels; Lacquers; Japans; Varnishes; Wood Stains; Paint and Varnish Removers Sold in Liquid and Semi-Liquid Form; Paint Driers; Paint Drying Oils; Roof Coatings in the Nature of Paint; Paint, Wood and Metal Fillers for Use Before Decorating and Painting; Coating Compounds for Glazing

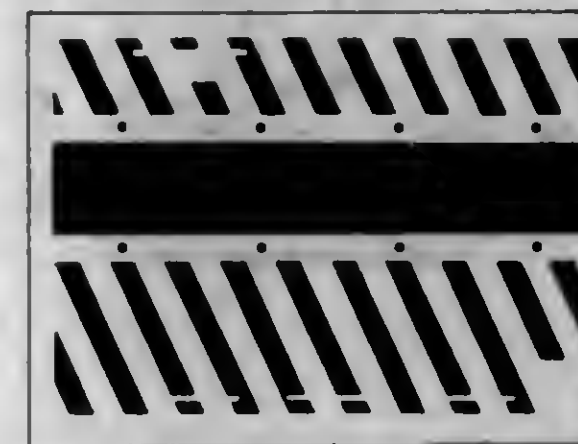
- Walls and Ceilings Before Decorating and Painting; Protective Floor Waxes; and Paint, Enamel, Lacquer and Varnish Thioners and Solvents.
Claims use since Mar. 1, 1910.

- 571,133. (Class 2. Receptacles.) Earl A. Rice, doing business under the name of Mt. Parnell Fisheries, Mercersburg, Pa. Original filed, act of 1946, Principal Register, June 7, 1949; amended to application, Supplemental Register, Nov. 10, 1952, Serial No. 580,090.

Aqua-Loop

For Empty Transparent Plastic Fish Bowls.
Claims use since May 16, 1949.

- 571,134. (Class 46. Foods and Ingredients of Foods.) Southern Dairies, Inc., Washington, D. C., and Birmingham, Ala. Original filed, act of 1946, Principal Register, Aug. 3, 1949; amended to application, Supplemental Register, Dec. 17, 1952, Serial No. 582,924.

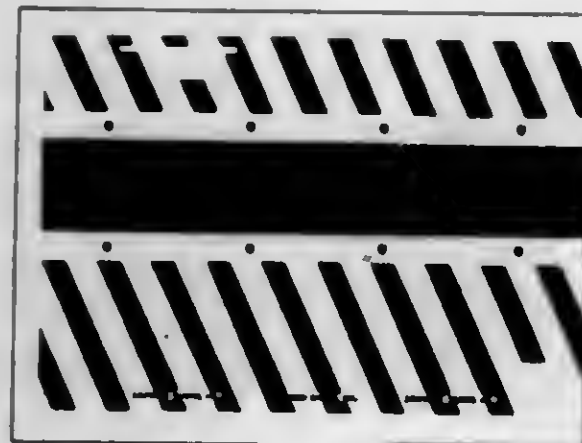


The trade-mark consists in the combination of a relatively wide horizontal band of solid color disposed be-

tween upper and lower horizontal bands of short narrow bars inclined downwardly and to the right.

For Fresh Milk and Buttermilk.
Claims use since June 23, 1949.

571,135. (Class 46. Foods and Ingredients of Foods.) Southern Dairies, Inc., Washington, D. C., and Birmingham, Ala. Original filed, act of 1946, Principal Register, Aug. 3, 1949; amended to application, Supplemental Register, Dec. 17, 1952, Serial No. 582,925.



The trade-mark consists in the combination of a relatively wide horizontal band of solid color disposed between upper and lower horizontal bands of short narrow bars inclined downwardly and to the right, in combination with applicant's name. Applicant claims ownership of Registrations Nos. 255,050, 279,018, and others.

For Fresh Milk and Buttermilk.
Claims use since June 23, 1949.

571,136. (Class 48. Malt Beverages and Liquors.) F. W. Cook Company, Inc., Evansville, Ind. Original filed, act of 1946, Principal Register, Nov. 9, 1949; amended to application, Supplemental Register, Oct. 17, 1950, Serial No. 587,537.



Applicant claims ownership of Registrations Nos. 307,387, 515,055, 516,183, and 535,422.

For Ale.
Claims use since Aug. 11, 1949.

571,137. (Class 48. Malt Beverages and Liquors.) F. W. Cook Company, Inc., Evansville, Ind. Original filed, act of 1946, Principal Register, Nov. 9, 1949; amended to application, Supplemental Register, Oct. 17, 1950, Serial No. 587,538.



Applicant claims ownership of Registrations Nos. 307,387, 515,055, 516,183, and 535,422.

For Beer.

Claims use since Aug. 3, 1949.

571,138. (Class 21. Electrical Apparatus, Machines, and Supplies.) Continental Silver Co. Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Nov. 16, 1949; amended to application, Supplemental Register, Dec. 3, 1952, Serial No. 587,854.



For Electric Coffee Percolator.
Claims use since Nov. 10, 1949.

571,139. (Class 51. Cosmetics and Toilet Preparations.) The Nestle-Lemur Company, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 17, 1949; amended to application, Supplemental Register, Nov. 1, 1952, Serial No. 589,522.

COLORTINT

For Hair Tinting Composition.
Claims use since Nov. 23, 1949.

571,140. (Class 31. Filters and Refrigerators.) Liquid Freeze Corporation, Oakland, Calif. Original filed, act of 1946, Principal Register, Jan. 17, 1950; amended to application, Supplemental Register, Sept. 24, 1951, Serial No. 590,984.

Instant-Ice

For Ice-Making Machines, and Particularly Machines Which Operate To Congeal a Sheet of Ice Upon the Surface of a Drum Chilled to a Quick-Freeze Temperature, and Then Break and Free This Ice in the Form of Chips.
Claims use since on or about Jan. 1, 1949.

571,141. (Class 46. Foods and Ingredients of Foods.) Kenneth H. French, Washington, D. C. Original filed, act of 1946, Principal Register, Feb. 8, 1950; amended to application, Supplemental Register, Dec. 18, 1952, Serial No. 592,142.



For Candy.

Claims use since Feb. 4, 1950.

571,142. (Class 21. Electrical Apparatus, Machines, and Supplies.) Radiant Ray Corporation, Seattle, Wash. Original filed, act of 1946, Principal Register, Mar. 24, 1950; amended to application, Supplemental Register, Aug. 22, 1952, Serial No. 594,584.

RADIANT RAY

For Portable and Stationary Assemblies Containing Electric Infra-Red Heating Tubes and Applied for Drying, Food-Warming, De-Hydrating, Cooking, Space Heating, and Pre-Heating Uses Requiring Controlled Temperature Conditions, and Parts of the Assemblies.

Claims use since July 31, 1949.

571,143. (Class 39. Clothing.) Ardsley Novelty Co., Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Apr. 21, 1950; amended to application, Supplemental Register, July 11, 1951, Serial No. 596,064.



For Children's Wash Suits, Boys', Girls', Infants' and Children's, and Misses' and Ladies' Slack Suits, Overalls, Pants, Shorts, Sunsuits, Shortalls, Jackets, Outer and Under Shirts, Ski Suits, Snow Suits, Ski Pants, Eton Suits, Rugby Suits, Vests, Vestees, Boxer Type Top Slacks and Shorts, Crawlers, Skirts, Jumpers, Jerkins, Sweaters, and Pedal Pushers.

Claims use since Dec. 1, 1949.

571,144. (Class 6. Chemicals and Chemical Compositions.) Sure-Seal Corporation, Salt Lake City, Utah. Original filed, act of 1946, Principal Register, Nov. 24, 1950; amended to application, Supplemental Register, Oct. 24, 1952, Serial No. 608,910.



For Thermoplastic Wax.
Claims use since August 1947.

571,145. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Hartmann Company, Racine, Wis. Original filed, act of 1946, Principal Register, Jan. 23, 1951; amended to application, Supplemental Register, July 28, 1952, Serial No. 609,129.

CUSHION-TOP

Applicant claims ownership of Registrations Nos. 211,455 and 187,007.

For Trunks.

Claims use since Feb. 24, 1914.

571,146. (Class 21. Electrical Apparatus, Machines, and Supplies.) Motorola, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 25, 1951; amended to application, Supplemental Register, Dec. 6, 1952, Serial No. 609,249.



No claim is made to the word "Glare" apart from the mark as shown.

For Television Receivers.

Claims use since Oct. 16, 1950.

571,147. (Class 18. Medicines and Pharmaceutical Preparations.) Oxo, Limited, London, England. Original filed, act of 1946, Principal Register, Mar. 26, 1951; amended to application, Supplemental Register, Dec. 11, 1952, Serial No. 611,804.

"LIVEROID"

Applicant claims ownership of British Registration No. 267,312, dated Oct. 22, 1904.

For Concentrated Preparation of the Uncoagulated Juice of Liver for Use in the Treatment of Anemia.

571,148. (Class 51. Cosmetics and Toilet Preparations.) Lancôme, S. A., Paris, France. Original filed, act of 1946, Principal Register, Apr. 4, 1951; amended to application, Supplemental Register, Feb. 27, 1952, Serial No. 612,206.

TONIC BLUE

Applicant claims ownership of French Registration No. 409,593, dated Feb. 2, 1951.

For Skin Lotion.

571,149. (Class 39. Clothing.) Kessner & Rabinowitz, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 20, 1951; amended to application, Supplemental Register, July 10, 1952, Serial No. 615,457.



For Children's Jackets, Slacks, and Trousers.
Claims use since Feb. 20, 1938.

571,150. (Class 21. Electrical Apparatus, Machines, and Supplies.) Livingstone Engineering Company, Worcester, Mass. Original filed, act of 1946, Principal Register, July 13, 1951; amended to application, Supplemental Register, Mar. 17, 1952, Serial No. 616,430.



For Electrode Steam Boilers.
Claims use since 1947.

571,151. (Class 21. Electrical Apparatus, Machines, and Supplies.) Ampex Corporation, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Aug. 14, 1951; amended to application, Supplemental Register, July 1, 1952, Serial No. 617,644.

COLORBEAM

For Incandescent Reflector Lamps, i. e., Bulbs Having a Certain Wattage and Voltage.
Claims use since Feb. 15, 1949.

571,152. (Class 46. Foods and Ingredients of Foods.) Thompson-Lamb, Incorporated, Milton-Freewater, Oreg. Original filed, act of 1946, Principal Register, Aug. 18, 1951; amended to application, Supplemental Register, Dec. 15, 1952, Serial No. 617,847.

FLAV-R-FRESH

For Fresh Poultry-Pan Ready Friers.
Claims use since Aug. 1, 1951.

TRADE-MARK REGISTRATIONS RENEWED

40,281. TOCKOLITH. Registered May 5, 1903. Toch Brothers, New York, N. Y. Re-renewed May 5, 1953, to Toch Brothers, Incorporated, Staten Island, N. Y., a corporation of New York. Cement Preparation for Coating Metals and Other Surfaces. Class 12.

89,262. "D. J. PETTIT'S" ETC. AND DRAWING. Registered Dec. 3, 1912. Howard Bros. Chemical Co., Buffalo, N. Y., a corporation of New York. Re-renewed Dec. 3, 1952. Eye-Salve. Class 18.

89,264. "PETTIT'S PILE REMEDY" ETC. AND DRAWING. Registered Dec. 3, 1912. Howard Bros. Chemical Co., Buffalo, N. Y., a corporation of New York. Re-renewed Dec. 3, 1952. Pile Remedy. Class 18.

89,265. YANKEE. Registered Dec. 3, 1912. Robt. H. Ingersoll & Bro., New York, N. Y. Re-renewed Dec. 3, 1952, to The United States Time Corporation, Waterbury, Conn., a corporation of Connecticut. Watches and Clocks. Class 27.

89,266. JUNIOR. Registered Dec. 3, 1912. Robt. H. Ingersoll & Bro., New York, N. Y. Re-renewed Dec. 3, 1952, to The United States Time Corporation, Waterbury, Conn., a corporation of Connecticut. Watches and Clocks. Class 27.

89,284. SUPREME. Registered Dec. 3, 1912. Morris & Company, Chicago, Ill., a corporation of Illinois. Billed Ham, Sugar-Cured Bacon, Hams and Bacon, Sliced Bacon, Deviled Ham, Etc. Class 46.

89,363. HOWARD BROS. Registered Dec. 10, 1912. Howard Bros. Chemical Co., Buffalo, N. Y., a corporation of New York. Re-renewed Dec. 10, 1952. Worm-Syrup, Blood-Purifier, Tablets for Liver, Etc. Class 18.

89,364. REPRESENTATION OF PORTRAIT. Registered Dec. 10, 1912. Howard Bros. Chemical Co., Buffalo, N. Y., a corporation of New York. Re-renewed Dec. 10, 1952. Eye-Salve, Pile Remedy, Cathartic Tablets, and Eye-Water. Class 18.

571,153. (Class 37. Paper and Stationery.) Change-point, Inc., Tulsa, Okla. Original filed, act of 1946, Principal Register, Mar. 13, 1952; amended to application, Supplemental Register, Sept. 16, 1952, Serial No. 626,367.

Changepoint

Applicant claims ownership of Registration No. 338,399. For Fountain Pens and Desk Sets.
Claims use since July 1, 1934.

571,154. (Class 46. Foods and Ingredients of Foods.) Spilke's Bakery, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, June 30, 1952; amended to application, Supplemental Register, Nov. 26, 1952, Serial No. 632,002.

Grosvenor

For Cakes.
Claims use since Oct. 27, 1949.

89,978. REPRESENTATION OF BRIDGE, ETC. Registered Jan. 28, 1913. Arbuckle Brothers. Re-renewed Jan. 28, 1953, to The National Sugar Refining Company, New York, N. Y., a corporation of New Jersey. Sugar. Class 46.

91,249. REPRESENTATION OF TWO EAGLES AND DESIGN. Registered Apr. 22, 1913. The Republic Rubber Company, Youngstown, Ohio. Re-renewed Apr. 22, 1953, to The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Pneumatic Tires for Vehicle-Wheels. Class 35.

91,250. "R" AND REPRESENTATION OF EAGLE AND DESIGN. Registered Apr. 22, 1913. The Republic Rubber Company, Youngstown, Ohio. Re-renewed Apr. 22, 1953, to The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Pneumatic Tires for Vehicle-Wheels. Class 35.

91,276. "PETER SCHUYLER" ETC. AND DRAWING. Registered Apr. 22, 1913. G. W. Van Slyke & Horton, Albany, N. Y. Re-renewed Apr. 22, 1953, to G. W. Van Slyke & Horton, Inc., Red Lion, Pa., a corporation of Pennsylvania. Cigars. Class 17.

91,518. SIMANCO. Registered May 6, 1913. The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Re-renewed May 6, 1953. Sewing-Machine Needles. Class 23.

297,058. THE WEST VIRGINIA MEDICAL JOURNAL. Registered Aug. 30, 1932. West Virginia State Medical Association, Charleston, W. Va., a corporation of West Virginia. Renewed Aug. 30, 1952. Periodical. Class 38.

298,924. REPRESENTATION OF JAPANESE CHARACTERS, AND DRAWING. Registered Nov. 15, 1932. Matsushita Shoten Ltd., Osaka-City, Japan, a corporation organized under the laws of Japan. Renewed Nov. 15, 1952. Pickles. Class 46.

299,144. EMBASSY. Registered Nov. 22, 1932. Beat Malt Products Company. Renewed Nov. 22, 1952, to Beat Brewing Corporation, Chicago, Ill., a corporation of Illinois. Malt Syrup. Class 46.

299,293. TAPE-O-MATIC. Registered Nov. 29, 1932. Samuel R. Burns, Newark, N. J. Renewed Nov. 29, 1952, to Better Packages, Inc., Shelton, Conn., a corporation of New York. Automatic Taping Machines. Class 23.

299,422. MALROV. Registered Dec. 6, 1932. Malrov Hat and Cap Co. Renewed Dec. 6, 1952, to Malrov United Hat and Cap Company, Minneapolis, Minn., a corporation of Minnesota. Caps and Fur Felt Hats for Men. Class 39.

299,427. TOP DOWN. Registered Dec. 6, 1932. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 6, 1952. Women's Hats. Class 39.

299,490. SNIDER. Registered Dec. 6, 1932. Snider Packing Corporation, Rochester, N. Y. Renewed Dec. 6, 1952, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Canned Vegetables, Canned Fruits, Canned Berries, Etc. Class 46.

299,507. PLATO. Registered Dec. 6, 1932. Raytheon Production Corporation. Renewed Dec. 6, 1952, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware. Electrical Space Discharge Tubes. Class 21.

300,470. BLASTITE. Registered Jan. 24, 1933. The Carborundum Company. Renewed Jan. 24, 1953, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. Artificial Abrasive Grains. Class 4.

301,368. ROSE OF TEXAS. Registered Feb. 28, 1933. Liberty Mills, San Antonio, Tex. Renewed Feb. 28, 1953, to Burrus Mills, Incorporated, doing business as Liberty Mills, Dallas, and San Antonio, Tex., a corporation of Delaware. Wheat Flour. Class 46.

301,663. LAC-HI-POTASH. Registered Mar. 7, 1933. The Urbana Laboratories, Urbana, Ill., a firm. Renewed Mar. 7, 1953. Chemical Reagents for Use in Testing the Available and Water Soluble Potassium in Soils. Class 6.

301,904. SIMPLEX. Registered Mar. 21, 1933. Simplex Valve and Meter Company, Philadelphia, Pa., a corporation of Delaware. Renewed Mar. 21, 1953. Air-Release Valves, Vacuum Valves, Rate of Flow Controllers, Etc. Class 13.

301,994. ENVOY. Registered Mar. 21, 1933. The Kelly-Springfield Tire Company, New York, N. Y. Renewed Mar. 21, 1953, to The Kelly-Springfield Tire Company, Cumberland, Md., a corporation of Maryland. Resilient Vehicle Tires and Inner Tubes Composed in Whole or in Part of Rubber. Class 35.

302,180. "BIG MC'S" ETC. Registered Apr. 4, 1933. L. M. McLaren. Renewed Apr. 4, 1953, to L. M. McLaren Produce, Inc., Yuma, Ariz., a corporation of Arizona. Fresh Vegetables. Class 46.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

39,651. "HAND IN HAND" AND DESIGN. Registered Jan. 20, 1903. Tanqueray, Gordon & Co., Ltd., London, England. Whisky. Class 49. Canceled Jan. 19, 1953. Sec. 7(d).

63,062. "HAND IN HAND" AND DESIGN. Registered June 4, 1907. Tanqueray, Gordon & Co. Limited, London, England. Whisky. Class 49. Canceled Jan. 19, 1953. Sec. 7(d).

152,380. "S. P. DAVIS" AND REPRESENTATION OF A HORSESHOE. Registered Feb. 28, 1922. Samuel Preston Davis, Little Rock, Ark. Cattle and Stock Feed. Class 46. Canceled Jan. 16, 1953. Canc. No. 5926.

320,045. "ALLIED" AND DESIGN. Registered Dec. 18, 1934. Eldo H. Ewald, Klester, Minn. Storage Batteries, Dry Batteries, Radio Accessories Consisting of Tubes and Condensers, Etc. Class 21. Canceled Jan. 16, 1953. Canc. No. 5928.

302,238. FUMIDOR. Registered Apr. 4, 1933. Roseth Corporation, Brooklyn, N. Y., a corporation of New York. Renewed Apr. 4, 1953. Moth and Vermin-Repellent Bags and Boxes Made of Paper. Class 2.

302,332. SAN TONE. Registered Apr. 11, 1933. L. & E. Stirn, Inc., New York, N. Y. Renewed Apr. 11, 1953, to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. Silk and Rayon Fabrics in the Piece. Class 42.

302,450. NO. 3. Registered Apr. 18, 1933. Park & Tilford, New York, N. Y., a corporation of New York. Renewed Apr. 18, 1953. Perfumeries, Lotions, Toilet Waters, Etc. Class 51.

302,451. NO. 12. Registered Apr. 18, 1933. Park & Tilford, New York, N. Y., a corporation of New York. Renewed Apr. 18, 1953. Perfumeries, Lotions, Toilet Waters, Etc. Class 51.

302,570. SYLFIT. Registered Apr. 25, 1933. Sussberg & Feinberg, Inc., New York, N. Y. Renewed Apr. 25, 1953, to Radelle Lingerie Corporation, Long Island City, N. Y., a corporation of New York. Ladies' Silk Underwear—Namely, Pajamas, Nightgowns, Slips, Etc. Class 39.

302,689. AYRLAWN FARMS. Registered Apr. 25, 1933. John C. Letta, doing business as Ayrlawn Farms, Bethesda, Md. Renewed Apr. 25, 1953, to Catharine Letta Jones, doing business as Ayrlawn Farms, Galtersburg and Laytonville, Md. Dairy Products—Namely, Milk, Cream, Butter, Cheese, and Eggs; and Farm Products—Namely, Live and Dressed Poultry, and Vegetables. Class 46.

302,745. CRANE'S SPECIFIC. Registered Apr. 25, 1933. Joseph U. Greenstein, Washington, D. C. Renewed Apr. 25, 1953. Cough Syrup for Colds and Hoarseness. Class 18.

302,789. "RAMONA MEMORIES" AND DRAWING. Registered Apr. 25, 1933. San Fernando Heights Lemon Co. Renewed Apr. 25, 1953, to San Fernando Heights Lemon Association, San Fernando, Calif., a corporation of California. Fresh Lemons. Class 46.

302,933. PERNAEMON. Registered May 2, 1933. N. V. Organon, Oss, Netherlands. Renewed May 2, 1953, to Organon Inc., Orange, N. J., a corporation of New Jersey. Liver Extract for Medical Purposes. Class 18.

303,107. SIFED. Registered May 9, 1933. The Dorr Company, Inc., New York, N. Y. Renewed May 9, 1953, to The Dorr Company, Stamford, Conn., a corporation of Delaware. Apparatus for the Treatment of Solids Suspended in Liquids and More Particularly for Sedimentation Apparatus Such as Thickeners and Clarifiers. Class 23.

333,795. "OMEOA" AND DESIGN. Registered Apr. 7, 1936. Omega Manufacturing Company, Incorporated, New York, N. Y. Electrical Clocks, Electrolysis Machines, and Parts Thereof. Class 21. Canceled Jan. 16, 1953. Canc. No. 5967.

333,796. OMEGA. Registered Apr. 7, 1936. Omega Manufacturing Company, Incorporated, New York, N. Y. Electrical Clocks, Electrolysis Machines, and Parts Thereof. Class 21. Canceled Jan. 16, 1953. Canc. No. 5967.

344,563. RED CROSS. Registered Mar. 30, 1937. Candy Bros. Manufacturing Company, St. Louis, Mo. Cough Drops, a Medical Preparation. Class 18 (formerly Class 6). Canceled Jan. 22, 1953. Sec. 7(d).

367,738. AURORA D'ORO. Registered May 30, 1939. Pyramid Commercial Corporation, New York, N. Y. Edible Oils, Olive Oils, Rice, and Conserves. Class 46. Canceled Jan. 28, 1953. Canc. No. 5941.

- 442,022. LYNCH. Registered Feb. 8, 1949. W. J. Lynch Paint & Varnish Co., Inc., East Providence, R. I. Paints and Varnishes for House and Industrial Use. Class 16. Canceled Jan. 16, 1953. Canc. No. 5542.
- 521,214. AINSO. Registered Feb. 21, 1950. Goodyear Rubber Company, Middletown, Conn. Rubber Boots, Paces, Overshoes, Novelty Gaiters, Etc. Class 39. Canceled Jan. 8, 1953. Sec. 7(d).
- 522,170. NATIONAL. Registered Mar. 14, 1950. National Cylinder Gas Company, Chicago, Ill. Protective Devices, Particularly for Welding—Namely, Eyeshields, Goggles, Etc. Class 26. Canceled Jan. 16, 1953. Canc. No. 5808.
- 523,836. PIE-READY. Registered Apr. 4, 1950. Fruit Products Control and Sales, Inc., River Forest, Ill. Canned Prepared Fruit Fillings for Pies. Class 46. Canceled Jan. 16, 1953. Canc. No. 5580.
- 538,751. SNAP-ON. Registered Feb. 27, 1951. Lasko Strap Company, New York, N. Y. Wrist Watch Straps. Class 28. Canceled Jan. 16, 1953. Canc. No. 5773.
- 538,776. CATALINA. Registered Feb. 27, 1951. Flakel Outdoor Products, Inc., New York, N. Y. Umbrellas. Class 41. Canceled Jan. 28, 1953. Canc. No. 5730.
- 543,513. ROUILLARD. Registered June 5, 1951. Gamble-Skogmo, Inc., Minneapolis, Minn. Women's Coats, Suits, Dresses, Sweaters, Etc. Class 39. Canceled Jan. 16, 1953. Canc. No. 5777.
- 554,848. SAK-RIN-PAK. Registered Feb. 12, 1952. Flom Products, Incorporated, Stockton, Calif. Dietic Line of Canned Fruits. Class 46. Canceled Jan. 16, 1953. Canc. No. 5960.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

90,152. "ANGOSTURA BITTERS" AND REPRESENTATION OF LABEL. Registered Feb. 11, 1913. Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited, Port of Spain, Trinidad, British West Indies. Tonic Bitters. Class 18 (formerly Class 6). The drawing is hereby amended to appear as follows:



153,449. CREAM OF THE FOREST. Registered Mar. 21, 1922. Fort Howard Paper Company, Green Bay, Wis. Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths. Class 37. The drawing is hereby amended to appear as follows:

**CREAM
OF THE
FOREST**

206,994. PULL-ONE. Registered Dec. 15, 1925. Fort Howard Paper Company, Green Bay, Wis. Toilet Paper, Paper Towels, Paper Napkins, and Crepe Paper. Class 37. The drawing is hereby amended to appear as follows:

PULL ONE

235,462. FORT HOWARD. Registered Nov. 22, 1927. Fort Howard Paper Company, Green Bay, Wis. Toilet Paper, Paper Towels, Paper Napkins, Paper Dollies, Paper Tablecloths, and Tissue Paper. Class 37. The drawing is hereby amended to appear as follows:

**FORT
HOWARD**

281,472. EVENGLO. Registered Mar. 17, 1931. Fort Howard Paper Company, Green Bay, Wis. Paper Towels, Paper Napkins, Toilet Paper, Crepe Paper, and Tissue Paper. Class 37. The drawing is hereby amended to appear as follows:

EVENGLO

298,870. PRISCILLA. Registered Nov. 8, 1932. Fort Howard Paper Company, Green Bay, Wis. Toilet Paper, Paper Towels, Paper Napkins, and Colored Crepe Paper. Class 37. The drawing is hereby amended to appear as follows:

PRISCILLA

398,830. DURON. Registered Nov. 10, 1942. United States Gypsum Company, Chicago, Ill. Vegetable Fiber Hard-Boards Consolidated Under Heat and Pressure. Class 12. The drawing is hereby amended to appear as follows:

DURON

547,000. EVERSWEETS. Registered Aug. 21, 1951. Thomas Emerson, Chicago, Ill. Fresh Onions. Class 46. Amended as follows: In the statement, line 6, after "fresh onions" add *primarily on mail orders and delivered direct to the consumer* is inserted.

557,254. SEALTEST. Registered Apr. 8, 1952. National Dairy Products Corporation, New York, N. Y. Whole Milk, Skim Milk, Buttermilk, Chocolate Flavored Milk, Eggnog, Etc. Class 46. Corrected as follows:

In the statement, column 1, line 5, after "naing" insert *directly and/or*; line 17, after "by" insert *applicant and its*; column 2, line 13, after "of applicant." insert the following paragraph:

The said trade-mark was first used directly by applicant on May 16, 1951, and was first used directly by applicant in commerce among the several States on June 12, 1951.

Related companies legitimately using the aforesaid trade-mark include: The Akron Pure Milk Company, Akron, Ohio; Belle Vernon Milk Company, Cleveland, Ohio; Castles Ice Cream Company, Garfield, New Jersey; Chapman Dairy Company, Kansas City, Mis-

souri; Chestnut Farms-Chevy Chase Dairy Company, Washington, D. C.; The Clover Dairy Company, Wilmington, Delaware; Clover Farm Dairy Company, Memphis, Tennessee; Cloverleaf Creameries, Inc., Huntington, Indiana; Detroit Creamery Company, Detroit, Michigan; Dodds Alderney Dairy, Inc., Buffalo, New York; Ebling Creamery Company, Detroit, Michigan; Erie County Milk Association, Erie, Pennsylvania; Ewing-Von Allmen Dairy Company, Louisville, Kentucky; Franklin Ice Cream Company, Kansas City, Missouri; Frechtling Dairy Company, Cincinnati, Ohio; General Ice Cream Corporation, Schenectady, New York; The Harding Company, Omaha, Nebraska; Hilland Dairy Company, Cincinnati, Ohio; Hydrex Corporation, Chicago, Illinois; Hydrex Ice Cream Company, Inc., Long Island City, New York; Lulek Dairy Company, Milwaukee, Wisconsin; Lulek Ice Cream Company, Milwaukee, Wisconsin; The Matthews-Frechtling Dairy Company, Cincinnati, Ohio; Nashville Pure Milk Company, Nashville, Ten-

nessee; National Dairy Products Company, Inc., Chicago, Illinois; Ohio Clover Leaf Dairy Company, Detroit, Michigan; Rieck-McJunkin Dairy Company, Pittsburgh, Pennsylvania; J. D. Roszell Company, Peoria, Illinois; St. Louis Dairy Company, St. Louis, Missouri; The Sanitary Milk Company, Canton, Ohio; Sheffield Farms Company, Inc., New York, New York; Southern Dairies, Inc., Washington, D. C.; Supplee-Willis-Jones Milk Company, Philadelphia, Pennsylvania; Telling Ice Cream Company, Cleveland, Ohio; Union Ice Cream Company, Nashville, Tennessee; Western Maryland Dairy, Inc., Baltimore, Maryland; and Youngstown Sanitary Milk Company, Youngstown, Ohio.

564,561. BRAKEMASTER. Registered Sept. 30, 1952. Roy H. Shively, Scranton, Pa. Brake Adjusting Mechanism To Be Installed on Trucks and Buses. Class 19. Corrected as follows: In the heading to the statement, under UNITED STATES PATENT OFFICE, line 4, for the mark "BRAKE-MASTER" read BRAKEMASTER.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 18

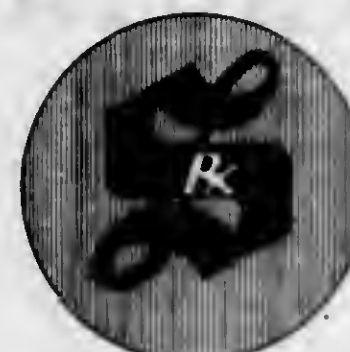
MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 435,779. Registered Jan. 6, 1948. Schenley Laboratories, Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.



The drawing is lined for the color red.
For Bacteriostatic Substance Derived From the Growth of a Mold, *Penicillium Notatum*, Produced for Clinical Use as a Sodium Salt.
Claims use since Aug. 31, 1944.

Reg. No. 435,780. Registered Jan. 6, 1948. Schenley Laboratories, Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.



The notation "R" is disclaimed apart from the mark as shown. The drawing is lined for the color red.
For Bacteriostatic Substance Derived From the Growth of a Mold, *Penicillium Notatum*, Produced for Clinical Use as a Sodium Salt.
Claims use since Aug. 31, 1944.

CLASS 37

PAPER AND STATIONERY

Reg. No. 88,838. Registered Oct. 29, 1912. Justin D. Bowersock, Lawrence, Kans. Republished by The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas.



For Straw, Chip, and Jute Wrapping-Paper and Box-Board.
Claims use since prior to June 1, 1909.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 431,414. Registered July 22, 1947. Meredith Publishing Company, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.



For Magazine Section, Architectural Plans, and Pamphlets Containing Lists of Materials and Specifications for Houses.
Claims use since Mar. 19, 1946.

CLASS 39
CLOTHING

Reg. No. 379,160. Registered July 2, 1940. Virginia Maid Hosiery Mills, Inc., Pulaski, Va., a corporation of Virginia. Republished by registrant.

Cosmopolitan

For Hosiery Made of Silk and Synthetic Fibres Resembling Natural Silk.
Claims use since June 15, 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 89,045. Registered Nov. 5, 1912. Abram Lyle & Sons, Limited, London, England. Republished by Tate & Lyle, Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland.



The words "Lyle's Golden Syrup," "Abram Lyle & Sons, Limited," and "Sugar Refiners" are disclaimed apart from the mark as shown.

For Table-Syrup.
Claims use since October 1884.

Reg. No. 402,971. Registered Aug. 24, 1943. Warner & Stewart, Yuma, Ariz., a co-partnership. Republished by registrant.



For Fresh Vegetables and Melons.
Claims use since March 1938.

CLASS 47
WINES

Reg. No. 361,580. Registered Oct. 25, 1938. Schenley Import Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

ZENITH

For Wines.
Claims use since May 14, 1937.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 379,647. Registered July 16, 1940. Many, Blanc & Co. Inc., Chicago, Ill. Republished by Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.

SAMOVAR

For Vodka.
Claims use since Mar. 16, 1940.

REISSUES

FEBRUARY 24, 1953

Matter enclosed in heavy brackets [] appears in the original patent but forms no part of this reissue specification; matter printed in italics indicates the additions made by reissue.

23,620
MUSICAL INSTRUMENT CONSTRUCTION
George A. Finder, San Diego, Calif., assignor to Fin-der Inc., San Diego, Calif., a corporation of California
Original No. 2,588,101, dated March 4, 1952, Serial No. 174,095, July 15, 1950. Application for reissue July 28, 1952, Serial No. 306,520
18 Claims. (Cl. 84-291)



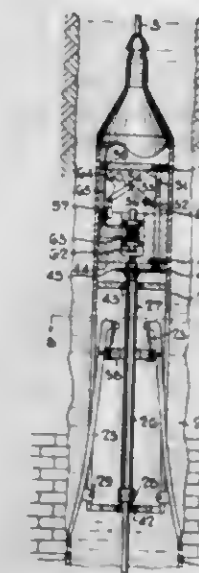
1. In a musical instrument construction, a body casting having an arcuate in cross-section neck integral therewith and a top casting provided with an integral finger-board thereon, having a flange engageable with the inner side wall of said body casting cemented to said inner side wall, said neck portion and said finger-board portion having head portions integral therewith abutting each other, said finger-board portion, at its head portion, provided with lugs abutting the head portion of said neck portion of said body casting and adhered thereto.

23,621
SLEEVE SUPPORTED ELECTRODE FOR WELL LOGGING
Alexander B. Hildebrandt, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Original No. 2,552,428, dated May 8, 1951, Serial No. 117,053, September 21, 1949. Application for reissue September 26, 1952, Serial No. 311,816

8 Claims. (Cl. 175-182)

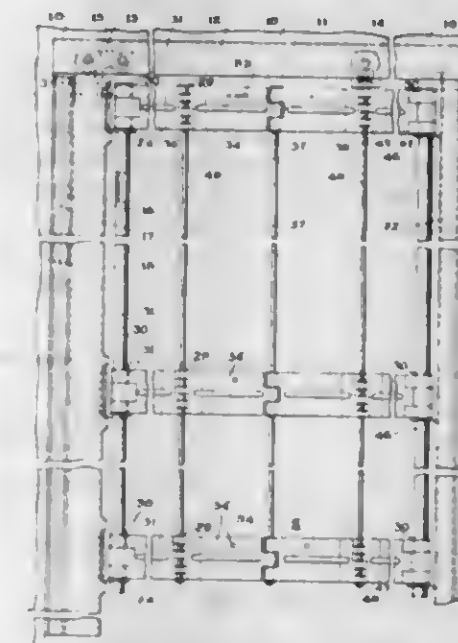
3. An electrode assembly for the electric logging of bore holes comprising a supporting body adapted to be suspended within said bore hole on a cable, a plurality of arms pivotally attached to the lower portion of said body, each arm being adapted for independent movement outwardly from said body, means urging each of said arms outwardly from said body, an elongated flexible insulating sleeve attached at its upper end to the lower extremities of said arms, and at least

one electrode carried by said sleeve in a section intermediate its ends, said electrode being insulated from the interior of said sleeve but electrically accessible from the exterior of said sleeve.



lated from the interior of said sleeve but electrically accessible from the exterior of said sleeve.

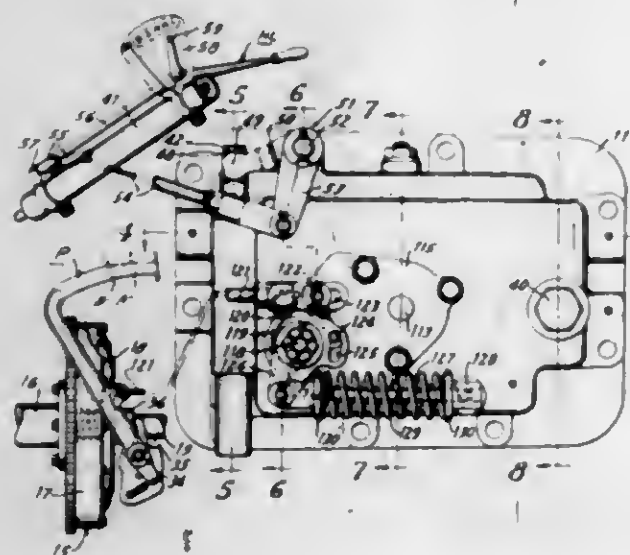
23,622
FOLDABLE CLOSURE
Marvin J. Planeaux, New Castle, Ind., assignor to New Castle Products, Inc., New Castle, Ind., a corporation of Indiana
Original No. 2,599,860, dated June 10, 1952, Serial No. 201,197, December 16, 1950. Application for reissue November 22, 1952, Serial No. 322,175
5 Claims. (Cl. 160-84)



1. In a closure supporting mechanism, a pair of lazy tongs structures, one at the top and the other at the bottom of the closure, means to support the top lazy tongs structure at its ends and at an intermediate position, a plurality of connected plates included in each of said structures, pintles for the end of the plates of each lazy tongs structure extending vertically of the closure and rigidly attached as by welding connected to plates of the lower lazy tongs and to corresponding superimposed superposed plates of the top lazy tongs structure.

23,623
**PRESELECTIVE TRANSMISSION CONTROL
 FOR AUTOMOTIVE VEHICLES**
 Glenn T. Randol, Mountain Lake Park, Md.
 Original No. 2,572,054, dated October 23, 1951,
 Serial No. 61,325, November 22, 1948. Applica-
 tion for reissue February 23, 1952, Serial No.
 273,104

32 Claims. (Cl. 74—334)



1. In control mechanism for a change-gear transmission having shiftable elements for controlling the gear ratios thereof, selector members comprising a plurality of axially extending cylindrical rods positioned in circular arrangement in axial overlapping relation and mounted for simultaneous rotation and relative axial sliding movement, means for selectively connecting the shiftable elements to the selector rods by rotation of the selector members, means for rotating the selector members including a rotatable hub extending axially of said rods and in peripheral engagement therewith for indexing rotation of said selector members, and means for simultaneously sliding the selector members in opposite directions.

PLANT PATENTS

GRANTED FEBRUARY 24, 1953

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,170

ORANGE TREE

Bertman V. Johnson, Altoona, Fla.

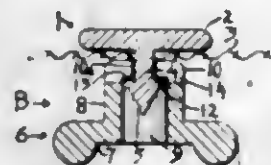
Application March 28, 1950, Serial No. 152,365

1 Claim. (Cl. 47—62)

A new and distinct variety of orange tree substantially as described and illustrated, characterized particularly by its earlier maturity, its larger fruit, its greater juice content per fruit, and the oblong globose shape of its fruit; all as compared with the Parson Brown orange.

23,624
PEG-FASTENED BUTTON
 Albert Elliot Sutin, Toronto, Ontario, Canada
 Original No. 2,538,396, dated January 16, 1951,
 Serial No. 773,953, September 15, 1947. Applica-
 tion for reissue November 15, 1951, Serial No.
 256,405

4 Claims. (Cl. 24—90)



3. A non-withdrawable button assembly comprising, a stud member including a retaining washer and a shaft perpendicular to the washer and projecting therefrom, said shaft terminating in an enlarged pointed head, a locking shoulder at the base of said head and in a plane perpendicular to the axis of the shaft, a unitary button member formed of molded material of limited resiliency and having a plate-shaped body portion and a projecting neck portion integrally formed therewith, a bore extending inwardly from one face of the button of cross-section to snugly accommodate said enlarged head, a constricted entrance to the bore at the top of said neck portion having a bearing surface of substantial length dimensioned to form a tight fit about said stud shaft to frictionally retain the stud against material movement relative to said body portion, a locking shoulder at the juncture of said bore and entrance extending transverse to the axis of the bore to form a seat for the locking shoulder on said stud when said stud head is within the button neck, the free end of said neck being slit vertically dividing said constricted entrance into jaws for locking engagement with said shaft and shoulder, said neck and jaws being of substantial thickness and reduced diameter relative to said body portion, said shaft being longer than said constricted entrance by at least the thickness of the material to which the button is to be attached, said bore extending from the locking shoulder to said one face of the button, the cross-section of said bore in any plane perpendicular to the bore being no greater than that in any other plane parallel to the first one and more remote from the locking shoulder than the first one, said constricted entrance having uniform cross-section throughout the length thereof and extending from the locking shoulder to the top of said neck portion.

1,171
CHRYSANTHEMUM PLANT
 Eugene S. Boerner, Newark, N. Y., assignor to
 Jackson & Perkins Company, Newark, N. Y., a
 corporation of New York
 Application April 29, 1952, Serial No. 284,925

1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant of the semi-decorative type, substantially as herein shown and described, characterized particularly as to novelty by its bushy, full, winter-hardy and early-blooming habits of growth, by the relatively large size and improved frost resistance of its flowers, and by the distinctive color and habit of its flowers tending to cause the flower petals to assume a twisted and uneven form at the finish of the bloom, thereby giving the flowers a ragged appearance.

PATENTS

GRANTED FEBRUARY 24, 1953

GENERAL AND MECHANICAL

2,629,094
FOOTBALL PANTS
 Hugo Goldsmith, Cincinnati, Ohio, assignor to
 Sport Products, Inc., Cincinnati, Ohio, a corpo-
 ration of Ohio
 Application October 11, 1950, Serial No. 189,567

3 Claims. (Cl. 2—2)



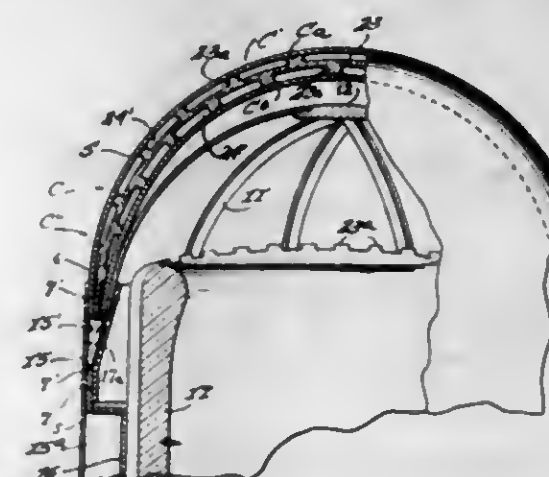
1. In a pair of football pants including a body covering portion having a waistline and a crotch, a plurality of pockets, each of said pockets being constituted by two opposed layers of cloth, said layers of cloth being joined together along a line to define a pocket, the upper edge of said pocket being permanently secured to the pants at the waistline, the remainder of said pocket depending freely therefrom into the interior of the pants, said pockets extending more than half the vertical distance between the waistline and the crotch, said pads being adapted to receive protective pads and having elastic portions for holding said pads immovable within said pockets, said plurality of pockets including one elongated pocket positioned at the rear upper central portion of said pants to cover the wearer's spine, and a pair of pockets one of which is positioned in the upper side portion of said pants on each side of the rear pocket, each of said pair of pockets extending toward the front and rear portion of said pants and being adapted to hold pads for the protection of wearer's kidneys.

2,629,095
HELMET
 Jacob L. Kleinman, New York, N. Y.
 Application January 2, 1948, Serial No. 304

9 Claims. (Cl. 2—3)

1. A helmet adapted to be positioned upon the wearer's head, said helmet comprising a base-unit and a separate crown-section, said base-unit provided with an upper end portion and the said crown-section provided with a lower end portion, the said upper and lower end portions situated in a plane horizontally with respect to the height of the helmet, inner and outer pliable side wall

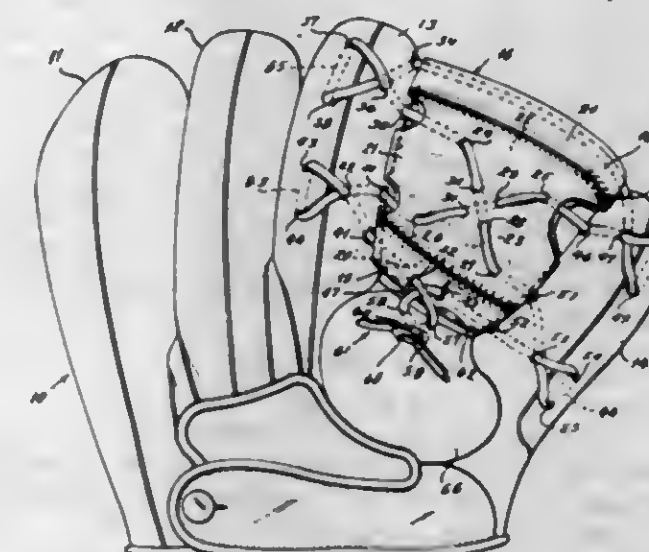
members secured to the inner and outer side faces of the said base-unit and of the said crown-section at a point close to the said end portions and in a plane parallel with such end portions, said pliable side wall members substantially circling the helmet and holding the said end por-



tions spaced away from each other thereby forming a tubular section between the said end portions and the said side walls, said tubular section adapted to cushion the said crown-section, and means for holding the said helmet in desired position upon the said wearer's head.

2,629,096
BASEBALL GLOVE
 Harry B. Latina, East St. Louis, Ill., assignor to
 Rawlings Manufacturing Company, St. Louis,
 Mo., a corporation of Missouri
 Application December 22, 1950, Serial No. 202,320

6 Claims. (Cl. 2—19)



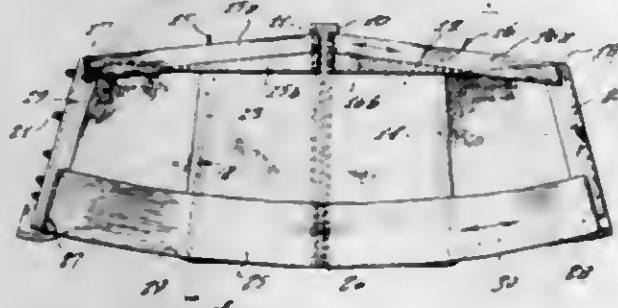
1. A baseball glove comprising a shell having a thumb section and a finger section spaced therefrom, said thumb and finger sections having apertures along their adjacent margins and other apertures spaced from the first mentioned aper-

tures across the rear of said thumb and finger sections, backstop web means substantially filling the space between said thumb and finger sections to form a ball receiving pocket therebetween, said web means having lacing tunnels directed across the width thereof with open ends adjacent the first mentioned apertures in said thumb and finger sections, and lacing means running through said lacing tunnels and laced through said first mentioned apertures and looped through said other apertures to secure said web means in the glove.

2,629,097

CORSET CONSTRUCTION

Kate Hyams Hurwitz, New York, N. Y., assignor to Miriam Hurwitz, New York, N. Y.
Application March 21, 1951, Serial No. 216,712
1 Claim. (Cl. 2—36)



A corset construction comprising a cloth body adapted to be extended about the body at the waist and abdomen of the wearer, a rear stay casing, connected to the center of the cloth body and having a portion extending upwardly from the upper edge thereof and adapted to lie along the rear of the wearer's back, front stay casings connected to the sides of the cloth body, elastic strips extending respectively laterally and downwardly from the extension of the rear stay and connected respectively with the front stay casings, additional elongated triangular elastic strips extending laterally from the said rear stay and secured to the inner face of the said first-mentioned elastic strips, and fastening elements on the front stay casings for securing the garment about the body of the wearer, and a wide elastic band disposed along the lower edge of the cloth body and stitched to the rear stay casing, the ends of the said wide elastic band being stitched to the respective front stay casing and the said elastic band being adapted to reach well under the abdomen of the wearer, and the lower edge of the cloth body being cut away respectively at the opposite front sides thereof to give freedom of movement of the legs under the lower edge of the garment, and the said cloth body depending from below the ends of the front stay casings and fastening elements adapted to cooperate with one another and connected respectively to the cloth body.

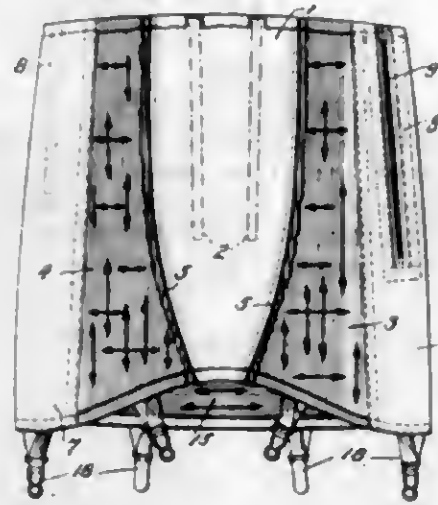
2,629,098

FOUNDATION GARMENT

William A. Rook, York Mills, Ontario, Canada, assignor to The H. W. Gossard Co., Chicago, Ill., a corporation of Illinois
Application March 9, 1951, Serial No. 214,681
2 Claims. (Cl. 2—37)

1. A figure molding foundation garment for women adapted to encircle the body of the wearer at least from the waist downwardly to a point below the hips, and comprising a central front panel which is inelastic at least in a horizontal

direction, longitudinal side elastic sections connected to the side edges of the front panel and stretchable in horizontal and vertical directions for tensioning said front panel over the abdomen, and a composite back portion connected to the rear side edges of said side sections and including an upper section of one-way horizontally stretchable elastic fabric extending substantially the en-

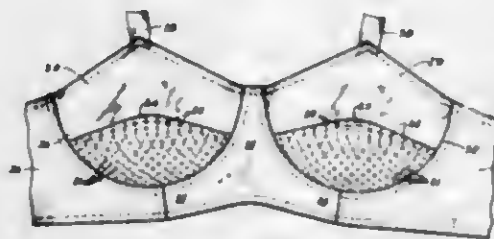


tire width of said back portion at the waistline, a central back panel of one-way vertically stretchable elastic fabric secured to said upper section, and a lower back section of one-way stretch elastic fabric stretchable only in a horizontal direction secured to the bottom of said central back panel for snugly fitting the bottom of the garment circumferentially upon the figure.

2,629,099

BRASSIÈRE

Stanley H. Phillips, Stratford, Conn., assignor to The Warner Brothers Company, Bridgeport, Conn., a corporation of Connecticut
Application July 1, 1948, Serial No. 36,370
6 Claims. (Cl. 2—42)



1. A brassière comprising a pair of breast-receiving pockets, each of said pockets being provided in its lower portion with arcuate lines of stitching, a plurality of said arcuate lines curving toward the right in said lower portion toward the bottom thereof and converging toward said bottom, and another plurality of said arcuate lines curving toward the left in said lower portion toward the bottom thereof and converging toward said bottom, the last mentioned plurality of arcuate lines intersecting the first mentioned plurality of arcuate lines to form therewith curved quadrilateral figures of areas diminishing toward the bottom of said pocket.

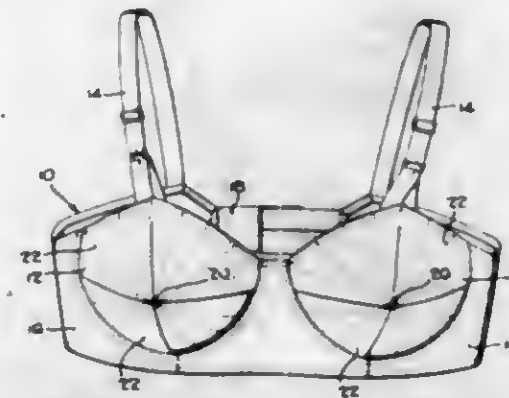
2,629,100

RADIANT STITCHED BRASSIÈRE CUP AND METHOD OF MAKING SAME

Harry W. Froehlich, Los Angeles, Calif.
Application May 12, 1949, Serial No. 92,916
9 Claims. (Cl. 2—42)

1. A brassière cup comprising a plurality of cup sections joined by a functional seam which

extends in a substantially straight line radially from a central point in the cup toward the periphery thereof, and a plurality of substantially straight lines of stitching on each cup section radiating from said central point of said cup radially toward the periphery thereof, said lines

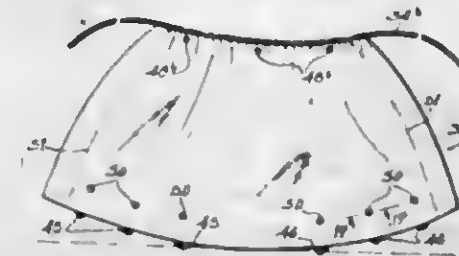


of stitching comprising a continuous thread common to all the lines of stitching with the outer ends of certain of the radially extending lines of stitching being joined by stitching formed by said continuous thread and extending along the periphery of the cup.

2,629,101

CONVERTIBLE APRON

Charlotte Greenwald, Astoria, N. Y.
Application February 25, 1949, Serial No. 78,389
4 Claims. (Cl. 2—48)



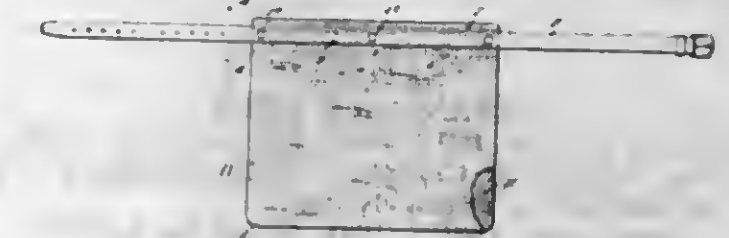
1. An article of manufacture comprising a substantially rectangular piece of cloth material having its top edge gathered reducing its width at the top thereof, a belt secured intermediate of its ends to the top edge of said piece of cloth material, said belt having its ends projected beyond the vertical side edges of said piece of cloth material to be tied together behind one's waist when said strip of cloth material is worn as an apron, sets of spaced loops secured to the bottom edge of said piece of cloth material on opposite sides of the vertical center of said piece of cloth material, and buttons secured to said piece of cloth material above each of said loops, so constructed and arranged that said piece of cloth material can be folded in half along its vertical center permitting said sets of loops on opposite sides of the fold line to be engaged with buttons on the other side of the fold line transforming said piece of cloth material into a hood to be worn on the head with said belt engaged about the neck and with the projecting ends of said belt tied into a bow beneath the chin.

2,629,102

BUTCHER'S APRON WITH SPACING BAND

Llewellyn W. Howells, Long Lake, Minn.
Application October 3, 1949, Serial No. 119,340
1 Claim. (Cl. 2—51)

A rectangular apron formed of a thick non-metallic semi-rigid material having smooth, even



inner and outer surfaces which will not fold or crease but will bow transversely when attached to a wearer, a thick reinforcing and spacing band of the same material as the apron and secured to the apron on its inner side, the upper edge of the band being flush with the upper edge of the apron and the ends of the band being substantially flush with the side edges of the apron, said band holding the apron spaced outwardly of the wearer whereby the same will hang free from the band, and a belt secured at its intermediate portion transversely to the outer side of the apron parallel with the underlying band.

2,629,103

HEAD COVERING

Elaine Berg, Chicago, Ill.
Application June 22, 1951, Serial No. 232,905
1 Claim. (Cl. 2—197)



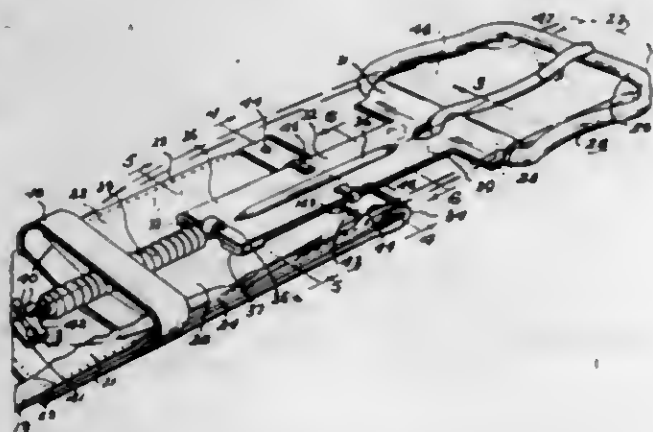
A ventilated and visored cap for workers, comprising a substantially rectangular band of smooth, shiny, flexible sheet plastic of nonflammable character, having a sufficient stiffness to maintain a substantially cylindrical shape when its ends are secured together, said band having a plurality of apertures adjacent each of its ends, and the apertures being spaced to register with each other when adjusted, to provide a head band of different sizes, means passing through said registering apertures for securing the ends of the band together, a binding strip of thin, flexible plastic sheet folded over into U shape on the upper edge, the lower edge, and the ends of said band, and stitched in place on said band by a line of stitching through the band and through the folded binding strip, a covering of mesh material of substantially circular shape and large enough to encompass said band when adjusted to its largest size, the said covering being provided with an elastic gathering member at its outer edge, the covering being folded over the top edge of said band, and having its elastic member engaging the band below the upper binding strip, the elastic band of said cover expanding and contracting to adjust the cover to the band when the latter is adjusted to different sizes, a flat strip of flexible connecting fabric having parallel edges, one edge of said strip being aligned with the lower edge of said band and located inside the lower binding strip and secured by the same line of stitching that secures the binding strip to the band, and a crescent shaped visor of smooth, flexible, shiny plastic, having upper and lower curved edges, the edges of said visor being covered with smooth, shiny, flexible plastic blind-

ing tape folded over the edges of the visor and secured to it by a line of stitching passing through the visor and both folds of the binding tape, the said connecting strip having its other parallel edge placed in alignment with the upper edge of the visor inside the binding tape on said edge, and secured by the same line of stitching that secures the binding tape to the visor.

2,629,104

EXPANSIBLE BELT

Lloyd H. Easlick, Flourtown, Pa., assignor to Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 1, 1948, Serial No. 18,398
13 Claims. (Cl. 2-322)



1. A resilient and expansible garment supporter or the like comprising a flexible belt having a generally enclosed longitudinal compartment including a pair of juxtaposed panels at one end of said belt, said compartment having a slot formed in the outer end thereof, a connector member having a thin flat shank extending through said slot and having a stop-shoulder formed at the inner end of said shank, a buckle pivotally mounted at the outer end of said connector member, a helical spring connected at one end to the inner end of said shank and secured at the other end adjacent the inner end of said compartment, said spring being constructed and arranged normally to retain said shank in generally retracted position within said compartment but to yield under a pull applied to said buckle, and a stop-member of metal or the like fastened within said compartment generally adjacent the outer end thereof and constructed and arranged to cooperate with said stop-shoulder so as to limit the outward movement of said shank.

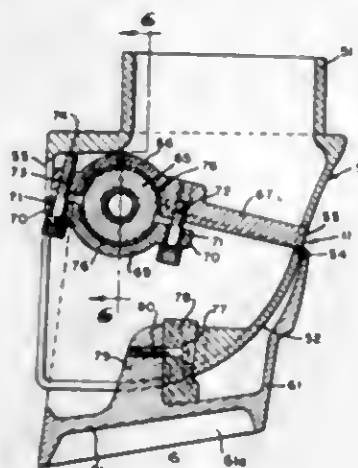
2,629,105

ARTIFICIAL LIMB

Carl Woodall, South Gate, Calif.
Application September 17, 1948, Serial No. 49,719
9 Claims. (Cl. 3-2)

9. In an artificial knee joint: a pair of knee members one of which includes a knee shell; pivoting means, including a shaft having its ends secured to one of said knee members; resilient means for pivotally mounting said shaft to the other knee member; friction means, including a pair of clamped members connected together and engageable about said pivoting means; an arm for one of said clamping members, said arm being so connected with said knee member having the knee shell as to hold said arm against rotation relative to said knee member; and stop means for limiting relative movement of the

knee members in one direction so as to prevent forward swinging of said one knee member beyond an aligned position with respect to the other knee member.



2,629,106

ARTIFICIAL HAND

Hans J. Snethun, Vancouver, British Columbia, Canada
Application March 5, 1951, Serial No. 213,849
3 Claims. (Cl. 3-12.6)



1. An artificial hand comprising a body having a portion constituting the back of a hand and a portion constituting the palm of the hand, side bars extending rearwardly from palm and back portions of the body for disposition along opposite sides of a person's forearm, actuating strips extending along the side bars and slidable longitudinally thereof, members adapted to be secured along sides of a person's arm above the elbow and having front ends pivoted to rear ends of the said side strips and adapted to impart sliding movement to the actuating strips when a person's arm is bent at the elbow, front and rear pins extending transversely of the hand in front of said body and carried respectively by front ends of the side bars and the actuating strips, longitudinally curved fingers pivoted upon the front pin and connected with the rear pin to impart opening and closing movements to the fingers when the side strips are shifted longitudinally, a thumb pivoted to the front end portion of one side bar in rearwardly spaced relation to the fingers, a link extending between and pivotally connected with the first finger and the thumb to impart opening and closing movements to the thumb when the side strips are shifted longitudinally and the fingers moved.

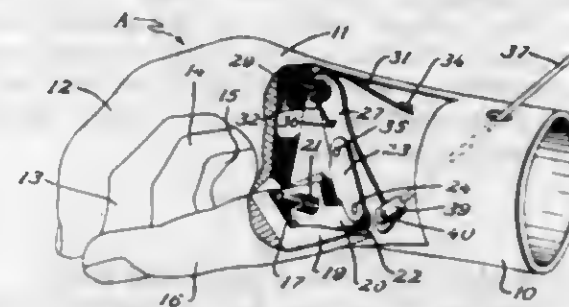
2,629,107

ARTIFICIAL HAND LOCKING MECHANISM

Daniel B. Becker, St. Paul, Minn.
Application February 21, 1951, Serial No. 212,080
3 Claims. (Cl. 3-12.7)

1. An artificial hand construction including a hand body, fingers mounted thereupon, a thumb, pivot joint means carried by said hand body and pivotally supporting said thumb for movement toward and away from said fingers, a lever, a

lever pivot joint means carried by said hand body and pivotally supporting one end of said lever, a link element, respective pivot means connecting one end of said link element to said thumb and the other end thereof to said lever, said

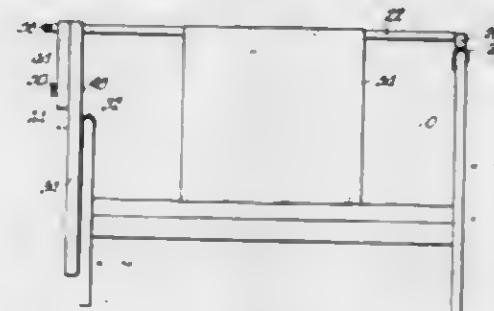


lever pivot joint means and said respective link element pivot means being in substantial alignment with each other when said thumb is in engagement with one of said fingers, and cord means connected with said lever for actuating the same.

2,629,108

INVALID HANDLING APPARATUS

Harold A. Wickey, Mission, Kans.
Application October 25, 1950, Serial No. 191,988
1 Claim. (Cl. 5-84)



Invalid handling apparatus comprising a pair of spaced supports adapted for attachment to the head-board and the foot-board respectively of a bedstead; a pair of spaced, elongated beams carried by the supports for rotation on their longitudinal axes; a flexible sheet interconnecting the beams and adapted to coil thereabout on rotation of the beams; and a lock for each beam respectively, each lock being shiftable to and from a position engaging its beam for holding the same against rotation, a portion of each beam being polygonal in cross-section, said locks each including a reciprocable bar having a notch for receiving said portion of its beam.

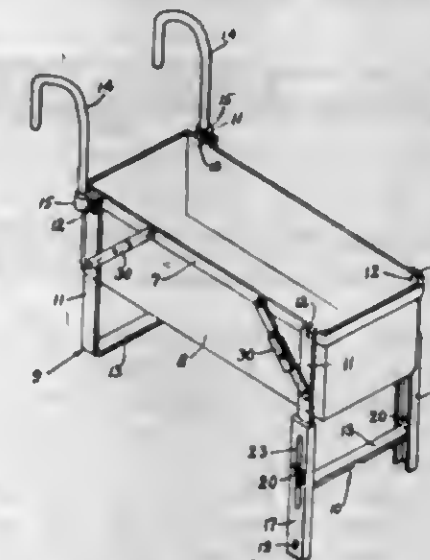
2,629,109

BASSINET FOR AUTOMOBILES

Abraham G. Goldberg, Chestnut Hill, Mass.
Application July 18, 1951, Serial No. 237,410
1 Claim. (Cl. 5-94)

A bassinet for supporting a child above the driver's seat of an automobile and alongside of the driver, said bassinet comprising an elongated rigid top frame member having a length greater than the fore and aft dimensions of the driver's seat, a flexible body member secured to and depending from the top frame member, a one-piece U-shaped supporting member depending from the top frame member at each end thereof, both supporting members being of the same length and each supporting member extending transversely of the top frame member and having the upper ends of its arms secured thereto, a hook member pivotally secured to the upper end of each arm

of the U-shaped supporting member at one end of the bassinet and adapted to hook over the top and back of the driver's seat when the bassinet is in operative position above said seat with the other end thereof located in front of the seat, each arm of the other supporting member having an opening closely adjacent its lower end, a channel-shaped extension leg for each arm of said other supporting member for extending the length thereof, each extension leg having a length less than that of the corresponding arm and also having a longitudinally extending slot in its upper portion and an opening closely adjacent its lower end, each extension leg being placeable on the

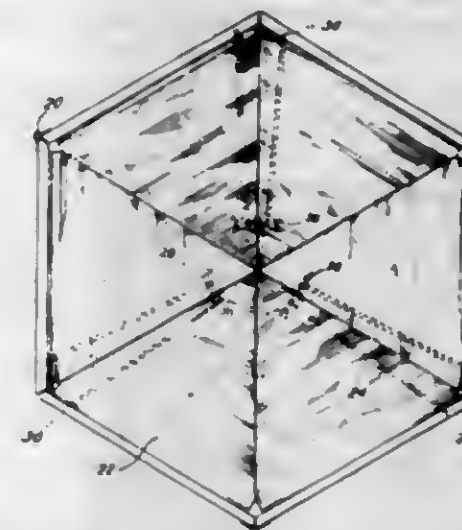


outside of the corresponding arm with its slot registering with the opening in said arm for extending the effective length of said supporting member, a clamping bolt extending through the slot in each extension leg and the opening in the corresponding arm for clamping each leg in any adjusted position, each extension leg being removable from the outside of the corresponding arm and replaceable for storage on the inside thereof with the openings in said extension leg and arm in registering relation for the reception of said clamping bolt, thereby converting the bassinet into one with two supporting members of equal length.

2,629,110

PLAYPEN

George E. Fournier, West Hartford, Conn., assignor to Patricia A. Fournier, Hartford, Conn.
Application August 4, 1949, Serial No. 108,518
6 Claims. (Cl. 5-99)



1. A play pen comprising a plurality of side wall sections hinged together to form an en-

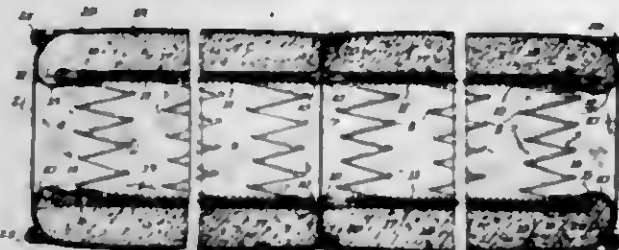
closure, a triangular floor section attached to each of said side wall sections above the surface on which the pen rests, and bent metal brackets attached at their ends to adjacent side wall sections and adapted to support the inner portions of said floor sections.

2,629,111

MATRESS CONSTRUCTION

Roman F. Korney, Chicago, Ill., assignor to Simmons Company, New York, N. Y., a corporation of Delaware

Application April 11, 1949, Serial No. 86,645
2 Claims. (Cl. 5-351)



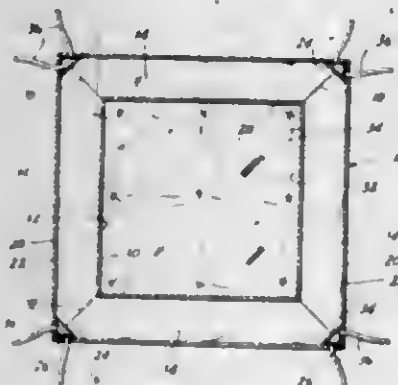
1. In a mattress, the combination of a pair of individual spring sections extending lengthwise of the mattress, each spring section comprising a plurality of coiled springs suitably connected to provide a unitary structure, one of said spring sections having different characteristics than the other, a lengthwise extending fabric partition strip positioned between said sections, top and bottom linings covering the top and bottom faces of the respective spring construction, the adjacent portions of said linings being secured to the partition strip, padding covering the respective linings, intermediate linings overlying said padding, and top and bottom cover sheets overlying said intermediate linings, the latter and said cover sheets being secured to said partition strip, portions of the peripheral edges of said top and bottom and intermediate linings adjacent the exterior edges of the spring construction being secured together and to the adjacent portions of the spring construction to enclose adjacent portions of the padding, and an edge boxing strip enclosing the side and end edges of the mattress having its edge portions secured to the edge portions of the respective cover sheets.

2,629,112

COVER FOR PLAYPEN PADS

Alberta B. Moore, Valley Park, and Alvin B. Sloofman, Webster Groves, Mo., assignors to Harber Products Incorporated, St. Louis, Mo., a corporation of Missouri

Application April 7, 1950, Serial No. 154,568
3 Claims. (Cl. 5-354)



3. A playpen pad cover comprising a polygonally shaped upper panel, a lower panel hav-

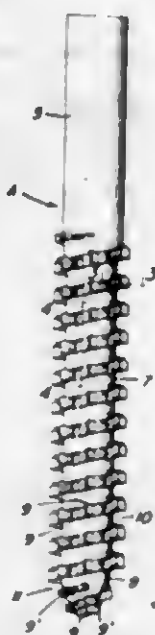
ing a polygonally shaped perimeter, said lower panel having twice as many peripheral sides as said upper panel, and means securing each peripheral side of said upper panel to a respective alternate peripheral side of said lower panel whereby to leave spaced triangular openings between the unsecured peripheral sides of the lower panel and the corner angles of the upper panel, said lower panel having an opening therethrough located inwardly of the periphery thereof for the removable insertion of a playpen pad between said upper and lower panels.

2,629,113

ROTARY AUGER AND SAW BIT

Ishmael Chafins, Wooton, Ky., assignor of fifty per cent to Lewis Howard, Wooton, Ky.

Application November 19, 1948, Serial No. 61,078
1 Claim. (Cl. 7-1)



A rotary auger and saw bit comprising a slender solid substantially cylindrical member having an attaching portion and a cutting portion terminating in a tapered work entering end, said cutting portion being provided on its surface with a continuous spiral of integral adjoining hook-shaped saw teeth, said saw teeth being alternately set laterally in the spiral in opposite directions, the convolutions of the spiral being uniformly spaced to said tapered end and having the spacing thereof slightly increased on said end, and a secondary spiral series of similar saw teeth provided on said tapered end mid-way between the convolutions of the first named teeth on said tapered end, said secondary teeth being extended to the tip of said tapered end.

2,629,114

COBBLER'S NIPPERS

Theodore E. Peterson, Comfrey, Minn.

Application February 16, 1951, Serial No. 211,325
1 Claim. (Cl. 7-5.4)

A cobbler's nippers for extracting nails from the soles and heels of shoes, comprising a pair of co-acting jaws each having an inwardly turned claw-like terminal, one of said jaws being relatively longer than the other whereby the terminals of said jaws are disposed in off-set relation longitudinally of the nippers, when the jaws are closed, the terminal of said longer jaw having an

arcuately formed cutting edge whereby rotary movement of the nippers, when said terminals are engaged with the head of a nail to be pulled, will cause said sharpened terminal to sever the leather around the head of the nail, thereby to



facilitate operatively engaging the jaws with the nail head, and means for limiting the closing movement of the jaws, when engaged with the nail head, thereby to prevent them from severing the head from the body of the nail.

2,629,115

LIFE RAFT

Roy R. Hansen, Keansburg, N. J., assignor of fifty per cent to William H. Sutphin, Matawan, N. J.

Application November 30, 1949, Serial No. 130,131
1 Claim. (Cl. 9-11)



A life saving device comprising a float, a triangular frame, two corners of said frame being secured to said float, said corners being secured at opposed sides of said float, a sheet mounted on said frame, a second sheet, one edge of said

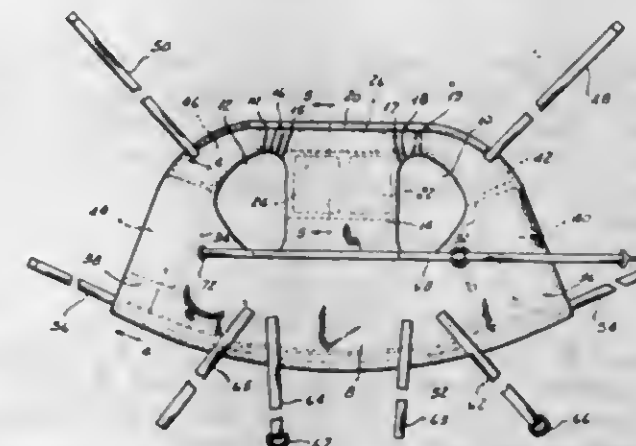
second sheet being secured to one side of said frame, another edge of said second sheet being secured to the edge of said float, a balloon attached to the remaining corner of said frame, said balloon maintaining said frame upright, said sheets providing a shelter therebetween, a line secured between said frame and said balloon, a reel controlling the effective length of said line, signal means mounted on said balloon, and signal illuminating means mounted on said line.

2,629,116

LIFE JACKET

Leonard P. Frieder, Great Neck, N. Y., Thomas H. Garber, Silver Spring, Md., and Edgar G. Baker, Carbondale, Pa., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States

Application April 29, 1949, Serial No. 90,532
3 Claims. (Cl. 9-20)



1. A life jacket including in combination a fabric vest formed with a pair of armholes, three cork masses, means securing one of said cork masses to the vest back between the armholes, means securing another of said cork masses to the right front of the vest, means securing the third of said cork masses to the left front of the vest, the center of buoyancy of the back cork mass being positioned above the center of buoyancy of the front cork masses, the aggregate buoyancy of the front cork masses being greater than the buoyancy of the back cork mass, said vest being formed along its upper portion to provide a collar, and cork fragments positioned within the collar, said cork fragments having an approximate diameter of between one-quarter inch and one inch.

2,629,117

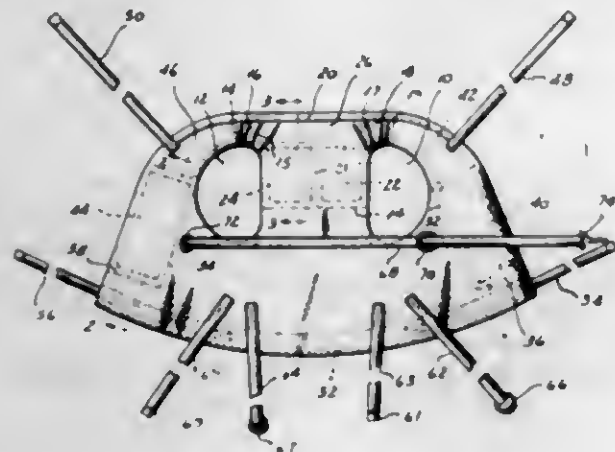
LIFE JACKET HAVING ECCENTRICALLY POSITIONED FLotation MATERIAL

Leonard P. Frieder, Great Neck, N. Y., and Thomas H. Garber, Silver Spring, Md., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States

Application May 6, 1950, Serial No. 160,514
2 Claims. (Cl. 9-20)

1. A life jacket including in combination a vest formed with a pair of armholes, means securing a mass of buoyant material to the vest back between the armholes, means securing a mass of buoyant material to the right front of the vest, means securing a mass of buoyant material to the left front of the vest, the center of buoyancy of the back buoyant mass being

positioned above the center of buoyancy of the front buoyant masses, the aggregate buoyancy of the front buoyant masses being greater than the aggregate buoyancy of the rear buoyant mass, said vest being formed along its upper portion to provide a collar and deformable

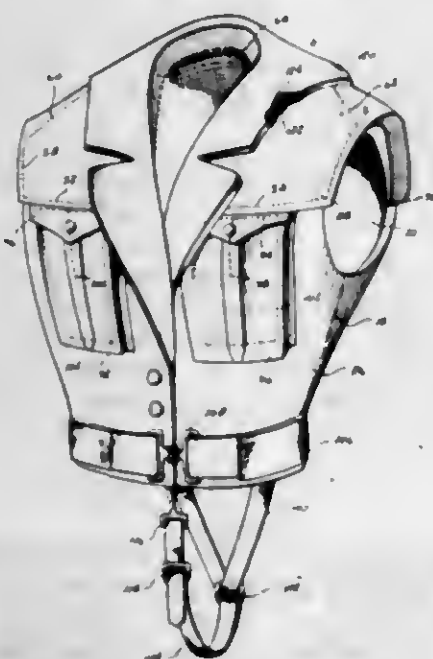


buoyant material positioned in said collar, one of the front buoyant masses displacing a larger volume than the other of said front buoyant masses whereby the center of buoyancy of the aggregate front buoyant masses is eccentrically disposed.

2,629,118

BUOYANT VEST

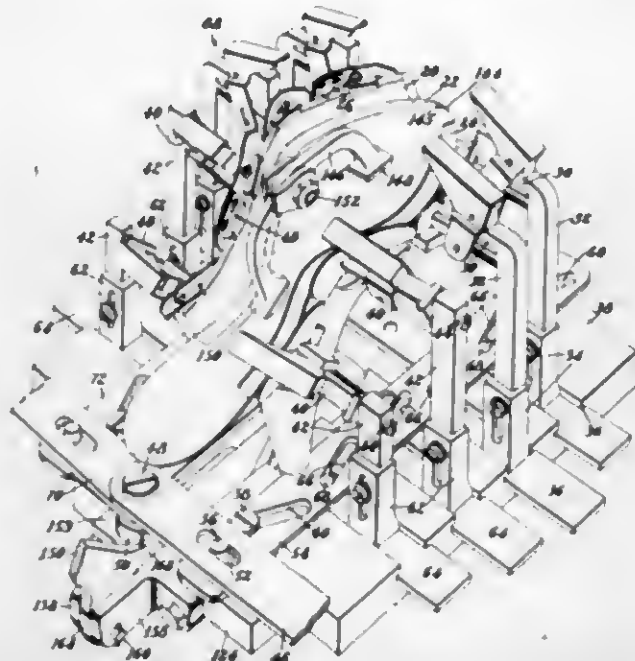
Leonard P. Frieder, Great Neck, N. Y., Thomas H. Garber, Silver Spring, Md., and August G. Lulsada, New York, N. Y.; said Garber and said Lulsada assignors to said Frieder
Application November 4, 1950, Serial No. 194,152
7 Claims. (Cl. 9-20)



1. A buoyant vest including in combination a fabric foundation provided with armholes, and including front and back portions, masses of cellular buoyant material secured to said fabric foundation at said front and back portions and means providing elongated vertically extending ventilating passages formed in said masses of cellular buoyant material adjacent the body of a wearer and means providing communication with the atmosphere adjacent the bottom and top of said passages.

2,629,119
MACHINE FOR ASSEMBLING INSOLES AND PREFITTED UPPERS

Edward Quinn, Saugus, and Israel I. Hersey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 6, 1947, Serial No. 766,816
31 Claims. (Cl. 12-1)

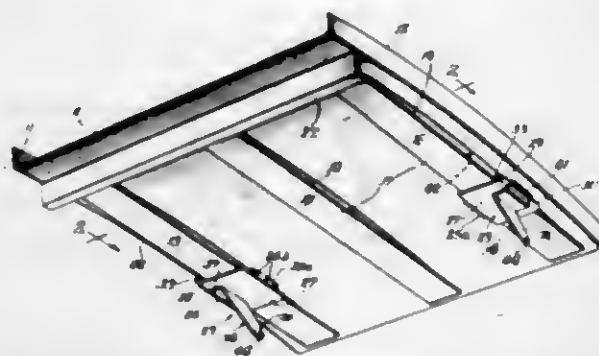


2. In a machine for assembling an insole and a prefitted upper having a closed toe and an overwiping margin, means spaced from the inner surface of the upper for mounting an insole, means for gripping the overwiping margin of the upper from the forepart heelwardly at opposite sides thereof, said gripping means including means for determining the position of the overwiping margin heightwise of the upper relatively to the insole, means for operating said gripping means to bring the overwiping margin of the upper into engagement with the edge face of the insole and to wipe said margin inwardly over the margin of the insole, and means for shortening the toe portion of the overwiping margin thereby to reduce its length to correspond to the length of the edge face of the toe portion of the insole.

2,629,120

DOCK PLATE

Robert M. Nelson, Wilmette, Ill.
Application July 22, 1947, Serial No. 762,560
4 Claims. (Cl. 14-72)



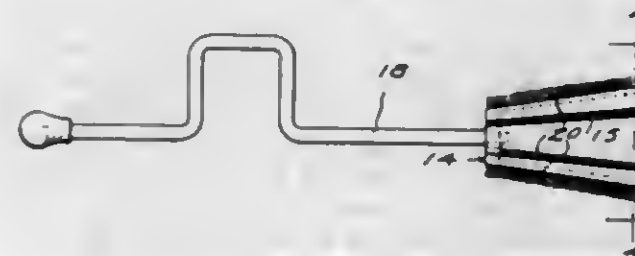
1. A dock plate for bridging a gap between two loading areas comprising a top plate, a plurality

of spaced stops secured on the under side of said dock plate and extending downwardly therefrom, one of said stops being adjustable longitudinally and mounted for swinging movement in a vertical plane from depending position to raised position, and locking means for retaining said adjustable stop against longitudinal movement in both its depending and raised positions, said locking means comprising a fixed locking member rigidly carried at the under side of said dock plate and oppositely extending complementary locking members carried on the swingable stop and adapted to be engaged with said fixed locking member in both the depending and raised positions of said swingable stop but being disengaged therefrom in an intermediate position.

2,629,121

ROTATABLE BRUSHING TOOL FOR CLEANING PIPE THREADS

Severin W. Petre, Wichita Falls, Tex.
Application August 24, 1949, Serial No. 112,059
2 Claims. (Cl. 15-104.03)

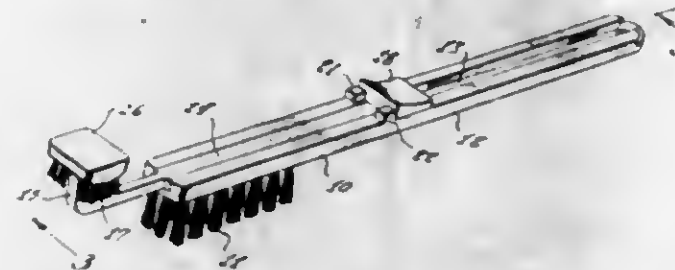


2. A brush for cleaning threads comprising a frusto-conical member open at the large end thereof and closed at the apex thereof, the apex of said member having a longitudinally extending polygonal opening therethrough, a crank engageable in said opening from either end, and radially extending bristles in longitudinally extending, widely spaced apart rows carried by at least one side of said member, alternate rows of said bristles being formed of relatively stiff material and certain others of said bristles being formed of relatively flexible material.

2,629,122

COMBINED TOOTHBRUSH CONSTRUCTION

Anthony Den Uyl, Wallington, N. J.
Application April 16, 1949, Serial No. 88,012
1 Claim. (Cl. 15-106)



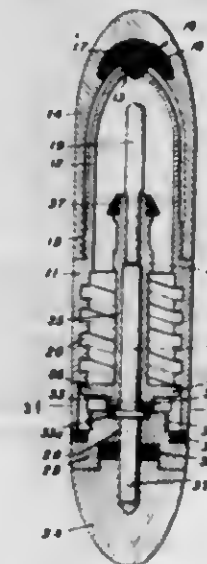
A toothbrush construction comprising a body and a handle, said body and handle having a groove extending longitudinally throughout the combined length, said body being adapted to carry downwardly extending bristles, an operating member slidable in the groove, a small toothbrush located upon the operating member, a thumb engaging portion on the operating member engageable by the thumb of the hand retain-

ing the handle of the brush whereby said small brush can be extended outwardly of the body or retracted to an out-of-way position, said operating member having an upwardly bent portion and a transverse portion extending across the upwardly bent portion, the small brush having its bristles extending from the transverse portion and at the opposite sides of the upwardly bent portion of the operating member, said small brush bristles being adapted to engage simultaneously with the rear faces of upper and lower teeth as the bent portion is extended between the teeth.

2,629,123

RETRACTABLE LIQUID APPLYING MEANS

Mehmet Tevfik Nimetullah Mahruki,
Istanbul, Turkey
Application November 23, 1948, Serial No. 61,605
In Turkey
2 Claims. (Cl. 15-134)

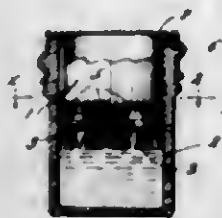


1. A liquid applying means comprising in combination a liquid filled casing open at one of its ends; a liquid applying tip; a tubular, slotted holding means for said tip inside said casing, one end of said tip being inserted in one end of said tubular holding means; a perforated tube member inside said casing, the other end of said tubular holding means being mounted on the one end and as an extension of said perforated tube member; an elastic sealing means secured to and surrounding said one end of said tubular holding means; a self-locking moving mechanism in said casing operatively connected to the other end of said perforated tube member, said moving mechanism being accessible at the outside of said casing to displace said perforated tube member together with said tubular holding means and said inserted liquid applying tip with respect to said casing, whereby, in the position of use, said liquid applying tip is projected through said open end of said casing and said sealing means on said tubular holding means is tightly held on the inner wall surface of said casing near its open end and firmly maintained in this position under the action of said self-locking mechanism, and whereby said liquid applying tip can be returned to its position of non-use, in which said tip is entirely retracted in said casing and immersed in said liquid having free access to the side and the inserted end of said tip through the slots in said tubular, slotted holding means and through the perforations in said perforated tube, respectively.

2,629,124

FINGERNAIL POLISH REMOVER

William F. Merritt, Middletown, N. Y., assignor, by mesne assignments, to Artemas F. Holden, Milford, Mich.
Application June 13, 1950, Serial No. 167,887
5 Claims. (Cl. 15-140.2)

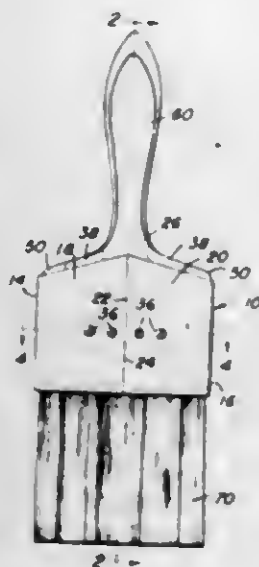


5. A finger nail polish remover comprising a container open at its upper end, an annular body open at its upper and lower ends, means carried by the body for supporting the body in the container from upper end of the container, and a scrubber carried by said body in position adapting it to be moistened by liquid in the container and have scrubbing contact with the nail of a finger thrust inwardly through the body.

2,629,125

PAINTBRUSH HAVING A PLURALITY OF DETACHABLE TUFT SECTIONS

William H. Ferguson, Kingston, N. Y., assignor of one-half to Louisa Ferguson, Kingston, N. Y.
Application March 29, 1948, Serial No. 17,609
1 Claim. (Cl. 15-202)



A paint brush comprising a hollow body, a handle carried by said body, a plurality of elongated side by side juxtapositioned brush heads positioned in said body, fasteners removably securing certain of said brush heads relative to said body, and bristles carried by and disposed longitudinally of said brush heads, said brush heads including a central enlarged brush head having ribs projecting outwardly from opposite sides, intermediate heads flanking said central head having longitudinal grooves slidably receiving said ribs, a pair of end brush heads having ribs, said intermediate heads having recesses receiving the ribs of said end brush heads.

2,629,126

SUCTION NOZZLE WITH ADJUSTABLE CLEANING OPENING

Charles L. Brown, Jr., Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application October 12, 1948, Serial No. 54,099
3 Claims. (Cl. 15-402)

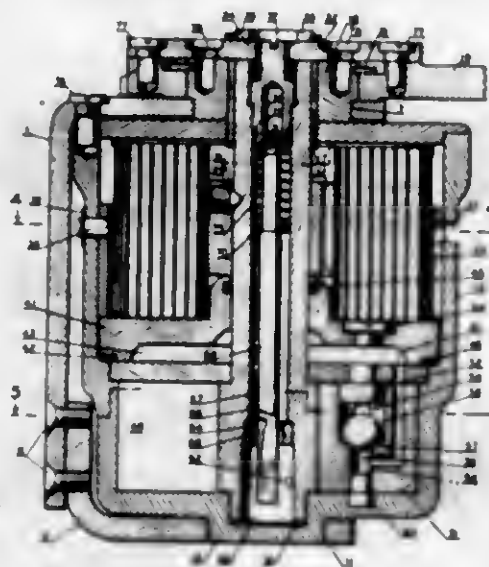


1. In a suction nozzle, a hollow body having a pair of lips, one of which is serrated and fixed, said lips being adapted to contact the surface being cleaned and defining a suction opening, and a member pivotally connected to said body and having contours forming a plurality of lips each being selectively positionable substantially generally parallel with said fixed lip to define said suction opening, said member being swingable from a position in which one of its contours produces a suction opening of maximum cross-sectional area to a position in which another of its contours produces a suction opening of minimum cross-sectional area but of length equivalent to the suction opening of said first mentioned position, and a detent means for holding said member in each of said positions.

2,629,127

DOOR CLOSER WITH CONSTANT FLOW ORIFICE

Robert M. Conklin and Arthur Scharf, Columbus, Ohio, assignors, by mesne assignments, to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application February 1, 1950, Serial No. 141,321
5 Claims. (Cl. 16-58)

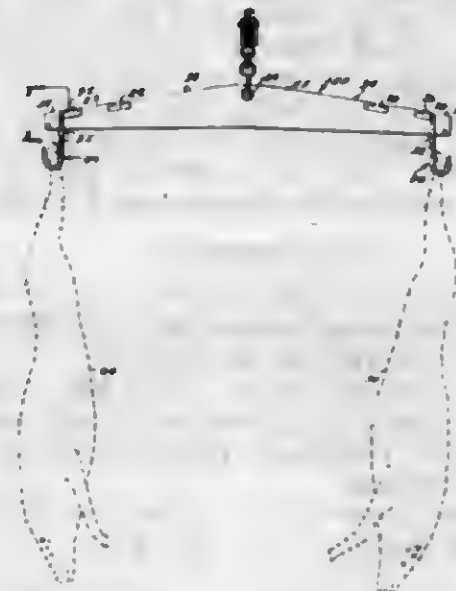


5. In a door closer having means for impelling fluid flow through a bore, the combination of a knife-edge restriction in said bore, and a plunger having an irregular groove therein and movably disposed in said bore and through said restriction into different positions with respect to said knife-edge restriction.

2,629,128

BUTCHER'S GAMBREL

Thomas J. Blossick, Beaverton, Oreg., assignor of one-half to James D. Givnan, Portland, Oreg.
Application October 14, 1949, Serial No. 121,375
1 Claim. (Cl. 17-44.2)

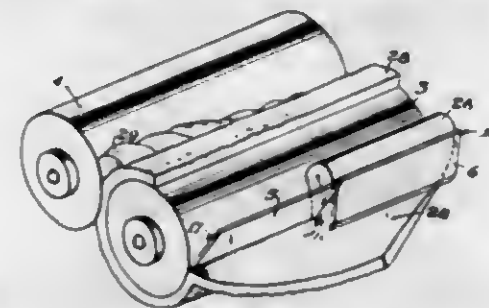


In a butcher's gambrel, a normally horizontal hanger bar adapted to be pivotally suspended at a point intermediate the ends thereof, said bar having an upper edge formed with oppositely declining edge portions extending between said intermediate point and the ends of the bar, said bar being formed with slots adjacent the ends thereof extending transversely across the bar and opening through the opposite sides of the bar, said slots extending lengthwise of the bar and parallel to the declining upper edge portions of the bar, and gaff hooks having cross bars positioned in the slots and slidably resting in the slots, said cross bars being narrower than the lengths of the slots whereby the gaff hooks are free to slide gravitationally toward either end of the slots when the hanger bar is in a tilted position, said slots being spaced from the upper and lower edges of the bar, the bar being formed with transversely elongated relatively narrow openings positioned intermediate the ends of and opening downwardly into the slots through which the cross bars of the gaff hooks can be inserted and removed.

2,629,129

MACHINE FOR MILLING PLASTICS

Alden W. Hanson, Midland, and Walter E. Donaldson, Midland County, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application July 28, 1950, Serial No. 176,274
2 Claims. (Cl. 18-2)



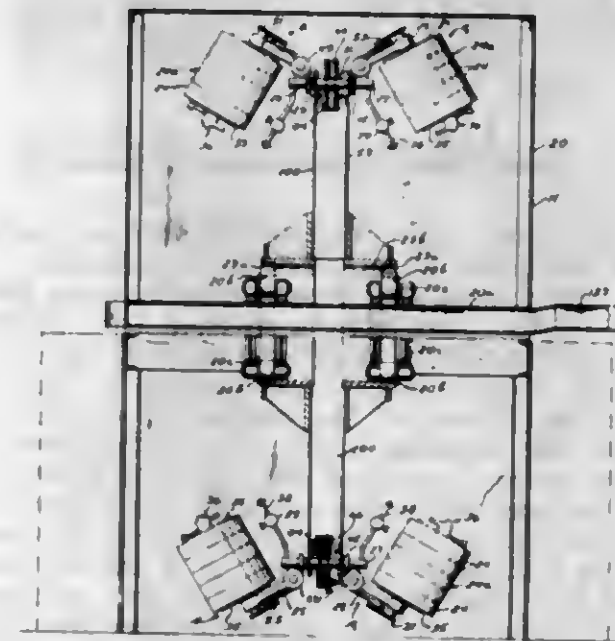
1. A machine for treating plastic material comprising, in combination, a pair of power driven

667 O. G.-55

2,629,130

APPARATUS FOR PRODUCING ARTICLES AS BY COMPOUND ROTATION OF ARTICLE-FORMING MEANS

Dietrich G. Rempel, Akron, Ohio, assignor to Rempel Manufacturing, Inc., Akron, Ohio, a corporation of Ohio
Application May 8, 1950, Serial No. 160,792
18 Claims. (Cl. 18-26)



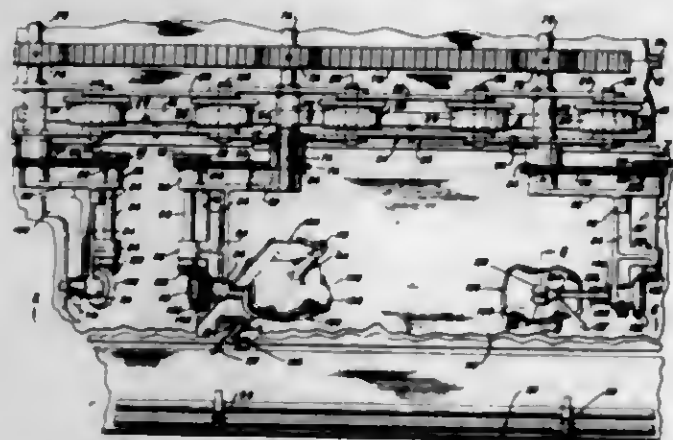
1. A machine of the character described, comprising a continuous conveyor, power means for moving said conveyor, a plurality of article-working units spaced on said conveyor each including a support carried by the conveyor, a shaft rotatable on said support, an element extending at an angle to the axis of said shaft and rotatable therewith, a supporting member mounted on said element to rotate about an axis angularly of the element and intersecting said shaft axis at an angle thereto, and mounting means for attaching at least one article-working device on said supporting member, and driving means being provided for simultaneously rotating said shaft and member of each said unit, said driving means for each said unit including an annular transmission member rotatable on said element, an annular transmission member relatively fixed on said support concentrically with said shaft axis, a continuous flexible transmission element in driving engagement between said rotatable and relatively fixed transmission members, guide means on said element intermediate said fixed and rotatable transmission members for bending said flexible transmission element to have opposite looped end portions thereof substantially angularly disposed in the planes of said fixed and rotatable transmission members, means connecting said rotatable transmission member for rotating said supporting member, and power means for rotating said shaft and thereby through resulting progressive walking action of said flexible transmission element on said relatively fixed transmission member to rotate said rotatable transmission member.

2,629,131

APPARATUS FOR THE MANUFACTURE OF HOLLOW CAST ARTICLES

Henry Martin, Wadsworth, and Paul Rekettye, Akron, Ohio, assignors to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio

Application August 16, 1950, Serial No. 179,726
33 Claims. (Cl. 18-26)



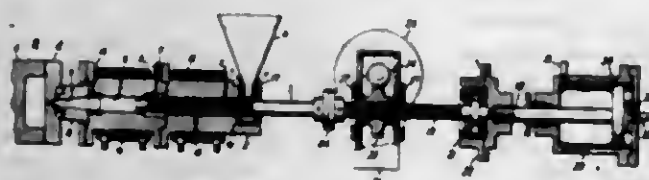
1. A machine for the manufacture of hollow articles comprising a conveyor, a plurality of matrix holders on the conveyor, sectional matrices in the holders, means to hold the sections of each of the matrices in spaced relation in its holder as each matrix approaches a loading point in the travel of the conveyor, a charging device at the loading point, means to move the charging device into and out of register with a matrix section while the sections are separated, means to bring the matrix sections together after the charge is delivered to a matrix section by the charging device and the charging device withdrawn, means operable after the matrices are closed to rotate them to distribute the casting material over the interior of the matrices, a fusing chamber through which the conveyor travels during the rotation of the matrices, and means to separate the matrix sections after they leave the fusing chamber.

2,629,132

MOLDING APPARATUS

Thomas N. Willcox, Nutley, N. J., and Marvin E. Gale and Kurt R. Stadthaus, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application October 27, 1950, Serial No. 192,444
1 Claim. (Cl. 18-30)



Apparatus for plasticizing and feeding thermoplastic material comprising a plasticizing head defining an elongated passage, a cylindrical bushing at the forward end of said passage, inlet means for introducing thermoplastic material into said passage near the other end thereof, an elongated member received within said passage and including an intermediate threaded portion, the forward and rearward ends of said elongated member being unthreaded with a portion of the unthreaded rearward end extending into said passage adjacent said inlet means, said passage having a larger cross section intermediate the

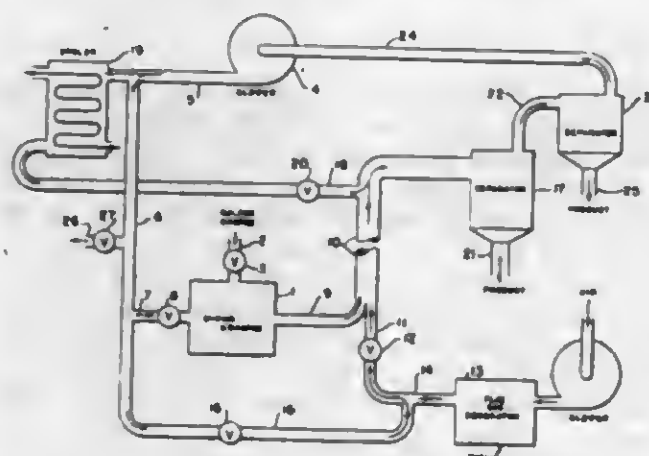
ends thereof and near the forward end of said elongated member in its retracted position, means supporting said member for rotation and reciprocating movement with respect to said head to move said material along said passage under the action of said threaded portion and to eject the material from the forward end of said passage upon longitudinal movement of said member, the forward end of said member seating against said cylindrical bushing when said member is in the advanced position following ejection of the material, and the unthreaded rearward end of said member sealing said inlet means during movement of said member to its advanced position.

2,629,133

PRODUCTION OF NONCAKING FINELY GROUND SULFUR

Ralph Eugene Morningstar, Columbus, Ohio, and George H. Whipple, Wilmington, Del., assignors to Mathieson Chemical Corporation, a corporation of Virginia

Application June 6, 1950, Serial No. 166,372
4 Claims. (Cl. 18-47.3)



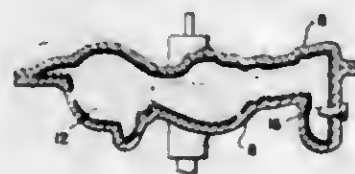
1. A process for producing finely ground sulfur of non-caking character which comprises suspending finely ground sulfur in an inert gas stream, maintaining the suspension at a temperature in the approximate range of the melting point of the sulfur to about 135° C. for a period of time sufficient to effect conversion to non-caking finely divided sulfur, cooling the suspension to a temperature below the melting point, and separating the treated sulfur from the gas stream.

2,629,134

METHOD OF MANUFACTURING ARTICLES FROM VINYL RESINS

Robert P. Molitor, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio

Application June 27, 1950, Serial No. 170,515
4 Claims. (Cl. 18-58.3)



1. The process of making hollow articles from a liquid mixture of a vinyl resin and a plasticizer therefor, comprising the steps of depositing a measured charge of the said mixture in a hollow sectional mold, said charge being less in volume than the volume of the mold, said mold having

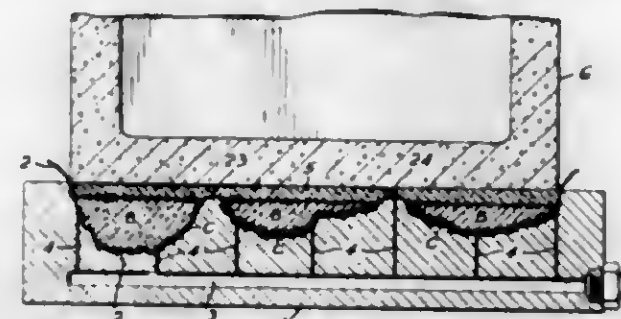
non-porous inner surfaces, closing the mold with the charge therein to retain the charge within the cavity, rotating the mold in a multiplicity of planes to distribute the charge as a layer over the entire inner surface of the mold cavity, heating the layer to gel it against the inner surface of the mold while the mold is rotating, then applying additional heat to the closed mold to raise the temperature thereof sufficiently to fuse the gelled layer against the inner surface of the mold, cooling the mold until the temperature of the layer is below the fusing point of the material, opening the mold and removing the article therefrom.

2,629,135

METHOD OF CONCRETE CONSTRUCTION

Arthur F. Johnson, Boulder, Colo.

Application November 23, 1948, Serial No. 61,715
3 Claims. (Cl. 18-60)



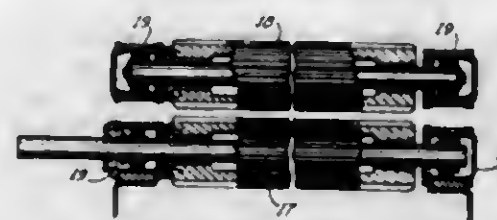
1. The method of forming an improved concrete building block which comprises providing a mold with a plurality of cavities spaced by intervening projections and having irregular configurations for receiving the concrete to resemble stones, applying a sheet of paper over the cavities and projections, placing in the cavities over the paper concrete to form stone-like bodies in the cavities, the paper over the projections being uncovered with such concrete, placing over the concrete in the cavities and on the paper over the projections a layer of different concrete which gives a delineating contrast with the concrete of the cavities, the paper serving to prevent intermingling of the concrete of the cavities and the layer, placing a preformed concrete block over the said layer, applying pressure to the block while vibrating the mold to effect a uniformly strong bonding of the block to said layer, and while maintaining the pressure between the mold and the block turning the block and mold over to place the mold in an upward position, and removing the mold before the concrete of the layer and in the cavities has set to a firm state.

2,629,136

ROLL MEMBER

Karl Kaiser, Fresno, Calif., assignor to California Central Fibre Corporation, a corporation of California

Application February 6, 1946, Serial No. 645,840
1 Claim. (Cl. 19-31)



A brake roll for decorticating machines and the like comprising a tubular outer shell form-

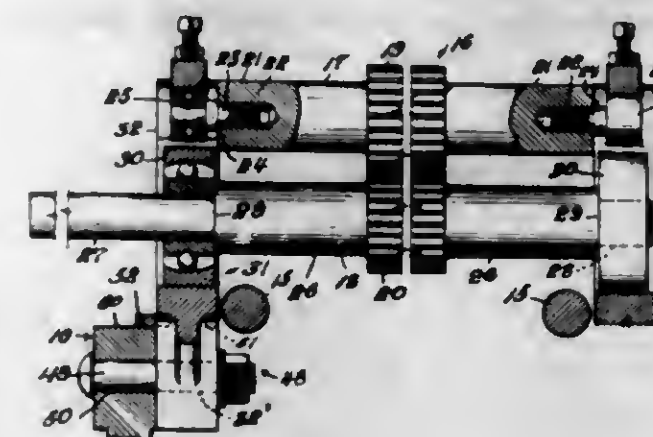
ing the body member of said roll, said tubular outer shell being formed of cast iron and having a fluted exterior surface cast directly therein, whereby the flutes on said exterior surface are encased by the tough skin characteristic of said cast metal outer shell, a shaft extending entirely through said tubular outer shell and providing journal portions for mounting said roll, a flange bushing fixed on said shaft adjacent one end and associated fastening means for securing said shell at one end to said flange in assembled relation with said shaft, and a split taper sleeve pressed between said shell and said shaft at the other end thereof for centering said shell on said shaft at said other end.

2,629,137

GILL DRAWING FRAME

Ralph C. Berker, Hoxsie, R. I.

Application April 23, 1949, Serial No. 89,340
3 Claims. (Cl. 19-129)



2. In a gill drawing machine having side frames with the shafts of the lower traverse screws of the machine extending along said frames inwardly thereof and in spaced relation and upper and lower back drawing rollers at a location above said shafts and each provided with ball bearings, bearing supports each being identical and interchangeable one with the other and adjustably secured to said side frames and extending wholly within planes extending vertically from the inner edge of the side frames and outside of planes parallel to the first said planes and tangential to the outer side of said shafts, said supports being adjustable lengthwise of said frame and said bearings being mounted wholly on said support.

2,629,138

METHOD OF ASSEMBLING PREFABRICATED BUILDING UNITS IN A BUILDING CONSTRUCTION

Victor J. Hultquist, Alcoa, Tenn.

Application March 8, 1947, Serial No. 733,267
1 Claim. (Cl. 20-2)



In prefabricated building construction, the method of joining prefabricated units having spaced side rails and closed sides with aligned keyhole slots in the side rails and bolts having

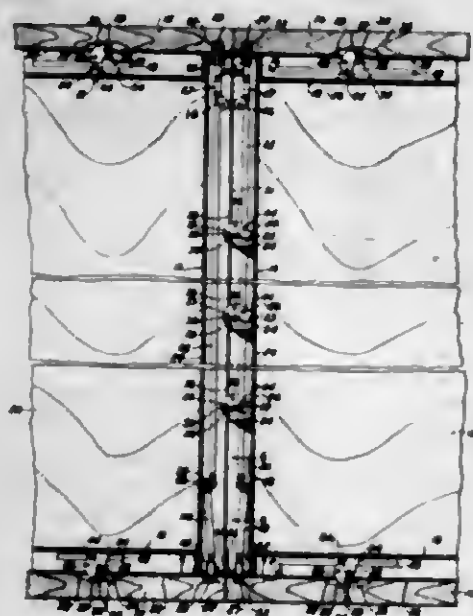
means engageable with said side rails to prevent relative turning of said bolts when seated in said keyhole slots, comprising placing the units in position with their side rails abutting, passing a long-handled wrench holding a bolt and nut through the wide portion of the keyhole slot in one side rail and through the opening in the opposite side rail and the side rail of the abutting unit, lowering the wrench until the bolt is seated in the smaller part of the keyhole slots with the bolt head on one side of one side rail and the nut on the opposite side of the abutting side rail and with said bolt means engaging the side rail to prevent turning of the bolt, rotating the wrench to tighten the nut, and then removing the wrench.

2,629,139

BUILDING CONSTRUCTION

Adolph F. Thelander, Grosse Pointe, Mich., assignor to National Steel Corporation, a corporation of Delaware

Application May 2, 1946, Serial No. 666,754
7 Claims. (Cl. 20-4)



1. A building element comprising, a member having an opening in a surface thereof, a retractable tongue positioned in the opening, the retractable tongue being movable out of the opening to engage with another building element, a crank in the member positioned laterally from the retractable tongue arranged to pivot in a plane substantially parallel to the direction of movement of the tongue, a hook on the crank to engage a keeper on the other building element arranged to draw the building elements together with the tongue therebetween, a slot in the tongue, a pin carried by and laterally extending from the crank engaging in the slot, and manually operable means for actuating the crank.

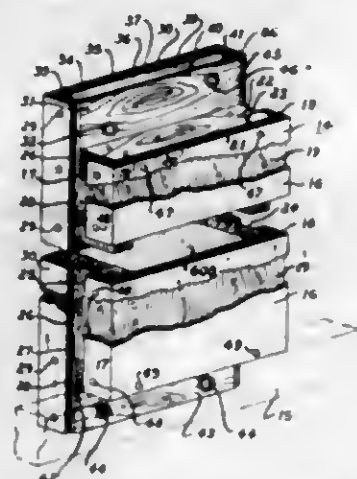
2,629,140

STRUCTURAL PANEL

MacMillan Clements, Bethel, Conn.
Application July 24, 1950, Serial No. 175,607
10 Claims. (Cl. 20-15)

1. A panel for use in building construction and refrigerators comprising in combination, a frame having a first pair and a second pair of opposite faces, two laminated sheets of material, said laminated sheets extending across said first pair of opposite faces of said frame so as to form with said frame an enclosed space, each of said lami-

nated sheets of material being of a larger area than the area defined by said frame over which they extend with the ends of said laminated sheets extending beyond the opposite side edges of said frame, forming right angle flanges on the second pair of opposite faces of said frame attaching means attaching each set of sheets to said second pair of opposite faces of said frame but each said pair of flanges terminating short



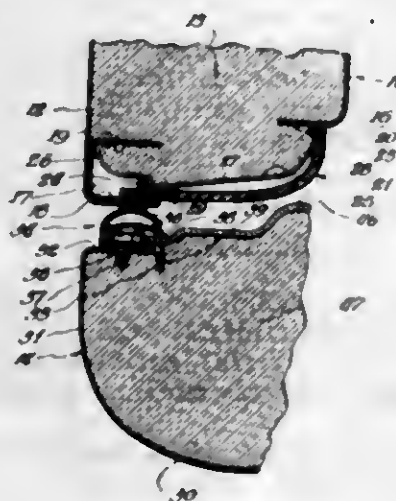
of each other forming with said last mentioned faces, retaining key-receiving channels with the side flanges spaced from each other, said channels extending along both of said second pair of said opposite faces, each laminated sheet and its flanges comprising an outer metallic sheet and an inner non-metallic sheet of material said metallic sheet and non-metallic sheet of material being bonded to each other to form each sheet of laminated material.

2,629,141

FLOATING INNER PAN FOR REFRIGERATOR CABINET DOORS

John S. Palmer, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application April 11, 1950, Serial No. 155,311
4 Claims. (Cl. 20-35)



1. A cabinet door comprising sheet material formed to provide front, top, bottom and side walls, with the top, bottom and side walls each having an inwardly turned rear wall portion and an inwardly turned flange depending therefrom, a resilient gasket secured to said rear wall portions and extending around the rear edge of the door and having a pocket in one side thereof, a fastening member formed with spaced apart and substantially parallel legs with a flange depending from one leg thereof, said fastening member

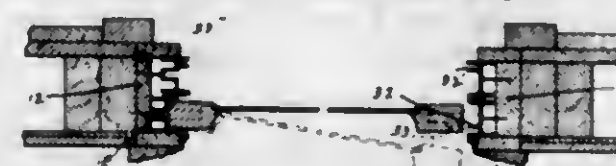
being adapted for positioning in said gasket pocket with the flange of said member positioned so as to overlie in closely abutting relation the depending flange of said rear wall portions, means for securing said fastening member and said gasket to said rear wall portions, a panel forming the inner side of said door and extending between said rear wall portions with the marginal edges thereof extending into said fastening member and into frictional engagement with the spaced apart legs of said member whereby said member securely holds said panel in floating relation with respect to said walls.

2,629,142

WINDOW CONSTRUCTION

Michael Rifkin, Lyndhurst, N. J.

Application February 7, 1952, Serial No. 270,373
1 Claim. (Cl. 20-52.2)



A window construction comprising a window frame having a pair of oppositely disposed jamb members, a pair of oppositely disposed metallic runners extending vertically of the frame and secured to the respective jamb members, one of said runners being fixedly secured to its jamb member, the opposite runner being spaced from its jamb member and movable laterally with respect thereto, a throat member extending laterally from the base of the movable runner and being formed with an apertured closed outer end, a fastener element extending through the aperture in the end of the throat member and secured to the complementary jamb member, the movable runner being laterally slidable on said fastener element, a window sash slidably mounted between the opposed runners, said sash when moved laterally in one direction forcing the movable runner outwardly towards its jamb member until the end of the throat member contacts the face of the adjacent jamb member, whereby the other side edge portion of the sash will be moved free of its companion runner to permit the bodily removal of the sash from the frame, and magnets mounted in the side edges of the sash, with their poles facing the respective runners and co-acting therewith to hold the sash normally against vertical and lateral sliding movement.

2,629,143

STORM WINDOW

Sam Spector, Shaker Heights, and George J. Teplanszki, Lakewood, Ohio, assignors to Tilt-Type Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 6, 1949, Serial No. 85,746
4 Claims. (Cl. 20-55)

1. A self-storing storm window comprising a frame comprised of a sill, lintel and parallel frame jambs having sliding-sash receiving channels solely in the inner surfaces of the upper portions thereof, sliding-sash mountable in said channels parallel tiltable sash jambs between and in closely fitting relationship with said frame jambs, pivot means between said tiltable sash jambs and said frame jambs providing for the tilting of said tiltable-sash jambs to a normally closed position of vertical alignment with said frame jambs, said

tiltable sash jambs having sliding-sash receiving channels in the inner surfaces thereof vertically aligned with the channels of said frame jambs when said tiltable sash jambs are in said closed position, the height of said tiltable sash jambs being greater than the height of any of said sliding-sash, whereby all of said sliding-sash may be slid into said tiltable sash jambs, said pivot means also providing for the tilting of said tiltable sash

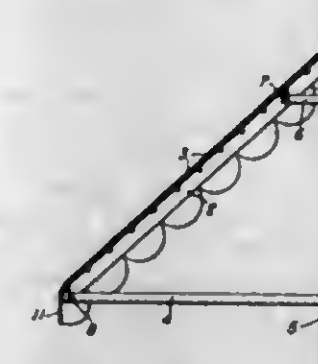


2,629,144

METAL SLAT AWNING

Edward G. Moeller, Davenport, Iowa

Application July 23, 1948, Serial No. 40,240
2 Claims. (Cl. 20-57.5)



1. A foldable awning construction for permanent association with a screen or other detachable frame, said awning construction comprising a pair of rafters, awning slats carried thereby, scalloped strips affixed in approximately vertically depending relation to each of said rafters and along the bottom edge of the awning, a pair of pivot brackets attachable to said detachable screen or frame, each including a portion extending laterally outwardly therefrom a substantial distance, means pivoting the upper ends of said rafters to the laterally outwardly extending portions of said brackets, a pair of props pivotally connected at their outer ends to the lower ends of said rafters, each prop being swingable upwardly into a position alongside its associated

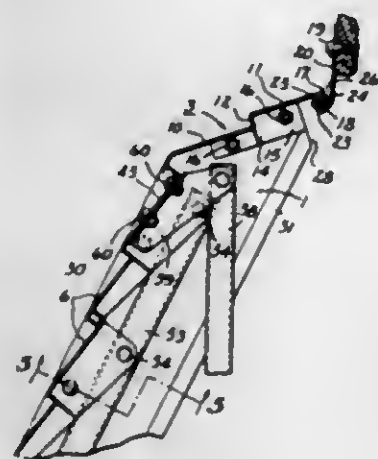
rafter, and means attachable to said screen or frame and carried by the inner ends of said props for holding the latter in position, said outwardly extending bracket portions being of sufficient length, relative to the width of said scalloped strips that, when said props are folded upwardly alongside of said rafters, the latter, together with said awning slats and said scalloped strips, may be folded substantially flat against said screen or frame without damage to said scalloped strips.

2,629,145

AWNING SHUTTER

Leroy V. Parson, Cleveland, Ohio, assignor to The P. C. Russell Company, Cleveland, Ohio, a corporation of Ohio

Application February 8, 1949, Serial No. 75,249
8 Claims. (Cl. 20-57.5)



1. An awning assembly comprising a frame of spaced side members and cross members connecting the side members, louvers carried by the frame, and means for hanging the awning on a vertical wall of a building over an opening in the latter for swinging movement about a horizontal axis between an open position in which the frame is oblique to the wall and a closed position in which the frame is substantially vertical, one of the cross members having a flat portion inclined at an oblique angle to the wall of the building when the awning is in closed position, integral flange means along the upper edge of said flat portion, the flange means being inclined downwardly and toward the building from said edge of the cross member flat portion, the hanging means including a member receivable flatwise against a building for attachment thereto, said last mentioned member having integral upturned flange means formed with a free edge receivable in the angle between the flat portion and the integral flange means of the cross member, the upturned flange means of the hanging member comprising a horizontal trough for receiving run off water from both the integral flange means of the cross member and the wall of a building to which the awning assembly is attached.

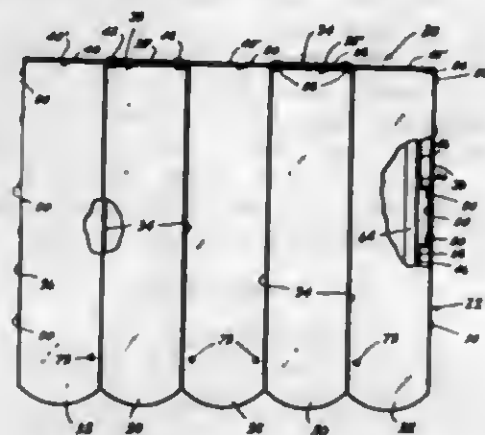
2,629,146

AWNING CONSTRUCTION

Arthur F. Pittsworth, Union City, Tenn.
Application December 30, 1949, Serial No. 135,939
8 Claims. (Cl. 20-57.5)

1. Awning construction comprising, in combination, an integral top panel including alternate

offset upper and lower longitudinal panel segments, and supporting construction including a reinforced flange formed integral with said top



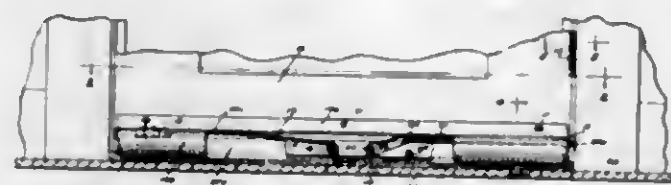
panel, said flange comprising extensions of alternate offset upper and lower segments disposed in adjacent relationship along overlapping edge portions.

2,629,147

WEATHER STRIP SEAL FOR DOOR BOTTOMS

Frank R. Smith and Leon E. Willett, Detroit, Mich., assignors to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan

Application February 18, 1950, Serial No. 144,898
8 Claims. (Cl. 20-68)



1. A weather strip device for door bottoms, comprising an elongated housing member adapted for attachment to a lower portion of a door and having a bottom opening, a holder provided with a sealing member mounted in said housing with said sealing member suspended for movement downwardly out of and upwardly into said housing, a resilient biasing member rigidly secured at its outer end to the housing and having its inner end pivoted at a first connection point on said holder, and biasing the holder upwardly, and means for moving said holder downwardly comprising a rigid plunger movably horizontally in said housing and having an outer free end extendable out of said housing the inner end of said plunger slidably abutting the inner upper wall face of said housing, a rigid link within said housing having one end pivotally connected to the inner end of said plunger and the other end pivotally connected to a second connection point on said holder, whereby closing movement of said door causes contact of the outer end of said plunger with a door jamb whereby to produce downward angular movement of said holder in said housing.

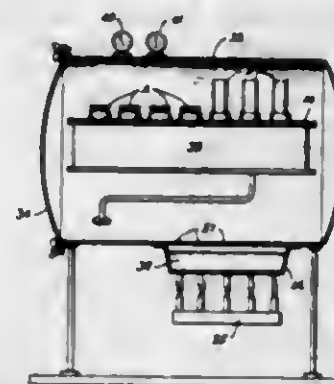
2,629,148

DEVICE FOR STERILIZING HOLLOW THERMOPLASTIC ARTICLES BY HEAT

Paul Kollsman, New York, N. Y.
Application April 28, 1948, Serial No. 23,825
6 Claims. (Cl. 21-92)

1. A device for use in sterilizing by heat hollow elements of syringes made from thermoplastic

material of a character assuming a plastic state at sterilizing temperatures, the device comprising a confining inner core member, and a confining outer sleeve member, said members being of rigid shape retaining material, said core member having an external element contacting surface thereon, the sleeve member having an internal element contacting surface thereon, the external surface

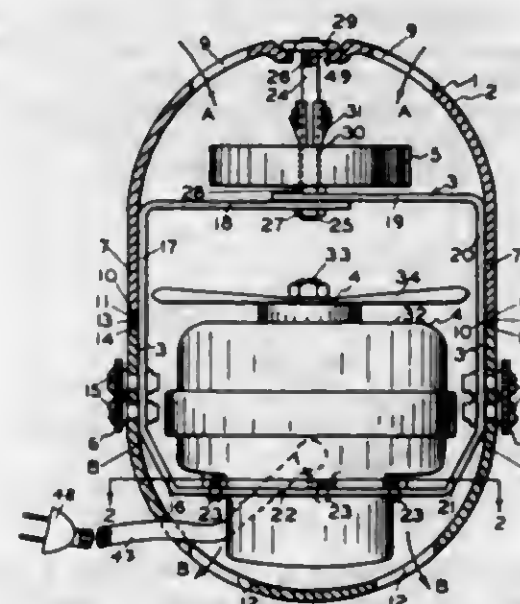


being of a smaller diameter than the internal surface, at least one of said surfaces being of cylindrical shape, the one member carrying the other surface having a lengthwisely slotted wall for yieldingly urging a syringe element confined between said members against the other member, the other member having a passage therethrough leading to the space between said two members.

2,629,149

DEODORIZING DEVICE

David W. Yaffe, Philadelphia, Pa.
Application October 22, 1949, Serial No. 122,943
7 Claims. (Cl. 21-108)



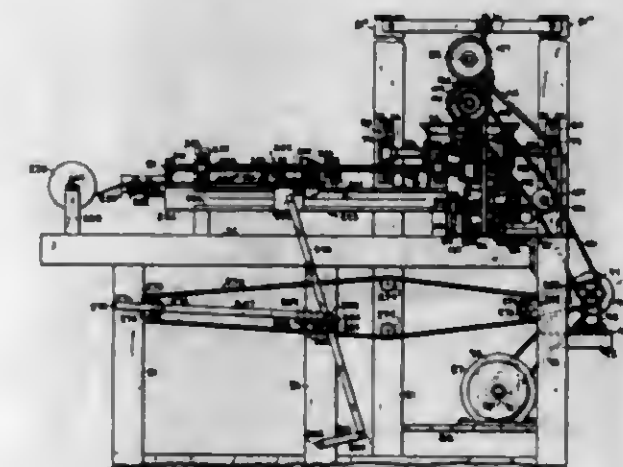
1. A deodorizing unit consisting of a base member; a sealed-in-oil-motor carried by said base member; an air propeller operatively connected to said sealed-in-oil-motor for propulsion thereby; a casing formed of an upper and a lower section, each having louvers formed therein with the upper section having a shaft receiving opening formed therein, encompassing said base member, sealed-in-oil-motor and air propeller; means attaching said lower casing section to said base member; a shaft carried by said base member, positioned in front of said air propeller and extending through said shaft opening formed in said upper casing section; a porous element adapted to be impregnated with

a deodorant carried by said shaft and positioned within said casing; and means positioned on said shaft on the outside of and contacting said upper casing section for holding said casing section upon said shaft.

2,629,150

AUTOMATIC LEAD SEAL CASTING MACHINE

William R. Scott, Greene, N. Y.
Application November 27, 1948, Serial No. 62,400
12 Claims. (Cl. 22-58)



1. A dispensing valve for a lead casting machine having a mold head with mold cavities opening to the periphery thereof and mounted to rotate on a horizontal axis and means for stopping the mold head with one of the mold cavities facing upward, comprising a pot for molten lead mounted above and to one side of the mold head to pivot on an axis parallel to the rotation axis of the mold head, a tubular valve casing positioned over the mold head and extended vertically upward above the center of the said one upwardly facing mold cavity, said tubular valve casing having a bottom discharge opening aligned with the upwardly facing mold cavity, a pipe mounting said valve casing on said pot and connecting the interior of said pot with the interior of said valve casing for conveying the molten lead from said pot to said valve casing, a valve plunger vertically slidably mounted in said valve casing for closing said discharge opening, resilient means acting on said valve casing for holding said pot in a pivoted position in which the bottom end of said valve casing will be raised off the mold head leaving the mold head free to be rotated to bring another of its mold cavities to an upwardly facing position, means acting on said valve casing to pivot said pot against the action of said resilient means to seat the lower end of said valve casing onto the mold head closing the upwardly facing mold cavity and means for raising said valve plunger during the time that said valve casing has its lower end seated on the mold head to open said discharge opening so that a charge of molten lead can flow from said valve casing into the upwardly facing mold cavity.

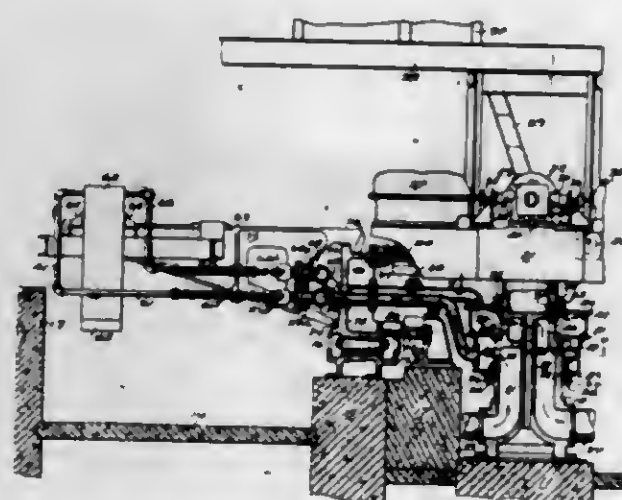
2,629,151

CASTING WHEEL

Rhys E. Ryan, New York, N. Y., and William J. McNamara, Perth Amboy, N. J., assignors to M. H. Treadwell Company, Inc., New York, N. Y., a corporation of New York
Application March 7, 1950, Serial No. 148,054
2 Claims. (Cl. 22-63)

1. Casting apparatus comprising a mold-carrying casting wheel adapted for rotation about a

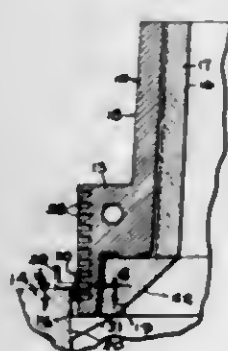
vertical axis, a stationary, chambered standard disposed at the center of rotation of said wheel, a circular platform atop said standard, motor means carried upon said platform, transmission means cooperating with the motor means and the casting wheel below the top level of said platform for rotating said wheel, a connection at the bottom of the standard for passing cooling liquid into a chamber in the latter, plural, circumferentially arranged casting molds carried by said wheel at the latter's outer margin, an annular platform rigidly associated with said wheel be-



tween said molds and said circular platform, a rotary liquid connection associated with the standard between the latter's bottom and said motor means and in liquid connection with such a chamber in the standard, and separate radial liquid ducts connecting each of said molds with said rotary connection; the said ducts being disposed below said annular platform and said transmission means whereby to leave the top of the annular platform clear for activities of casting attendants during rotation of the wheel.

2,629,152
HOT TOP

Walter F. Milburn, Chicago, Ill.
Application January 12, 1950, Serial No. 138,162
4 Claims. (Cl. 22-147)



1. A hot top comprising a tubular metallic casing having a base portion of generally rectangular cross section, an upper tubular section of refractory lining material around the interior of said casing extending to a point adjacent but short of the bottom of the latter and having a generally cylindrical internal wall, and a tubular lower lining section of refractory material rectangularly shaped on its exterior and fitting into said base portion of said casing in abutment with the bottom of said upper lining section, said lower lining section having an inner peripheral wall of generally circular cross section at its top to merge with the generally cylindrical internal wall of

said upper section and flaring outwardly and downwardly therefrom into the corners of said base portion to be of rectangular cross section at its bottom.

2,629,153

SPRING CLIP FOR FASTENING PAPERS
Luis Pedro Ratti, Buenos Aires, Argentina
Application February 8, 1949, Serial No. 75,195
In Argentina March 13, 1948
5 Claims. (Cl. 24-66)



1. A fastening device made of a single resilient member bent upon itself comprising two parallel straight portions, substantially in close contact relationship throughout their whole length, each having an inner end and an outer end, the inner ends being adjacent to each other and connected by a pressure exerting member for maintaining said two straight portions in said close contact relationship, a third straight portion parallel to said two straight portions and spaced therefrom, one of said ends being joined to one end of said third straight portion by means of an intermediate spacing portion, said third straight portion terminating at its other end in an offset free end portion substantially in alignment with the straight portion to which said third straight portion is connected.

2,629,154

SUSPENSION CLIP DEVICE
Guy Micucci, Geneva, Switzerland, assignor to Henry Roat, London, England
Application May 11, 1951, Serial No. 225,698
In Switzerland May 13, 1950
2 Claims. (Cl. 24-34)

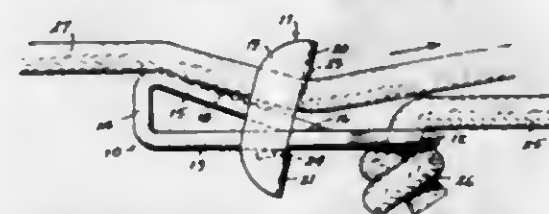


1. A clip comprising a base having a gripping jaw at one end and a suspension means at the other end, an opposed jaw having a resilient connection to said base and a gripping jaw at one end opposite and cooperating with the base gripping jaw to hold articles therebetween, a flange projecting outwardly acutely below the connection from the face of the opposed jaw adjacent its end and opposite its gripping jaw, and also opposite said base gripping jaw, the distance between the flange and the said connection being less than or equal to the distance between the connection and the base jaw, the attachment of the flange to the jaw being rigid, comparatively to the resiliency of the connection of the opposed jaw to the base, said flange serving as a hook for hanging other similar clips thereon, whereby a pull upon the flange will close the jaws tighter when the clip is hung by the suspension means

and the base of the clip is supported against bodily rotation prior to placing tension on the flange.

2,629,155

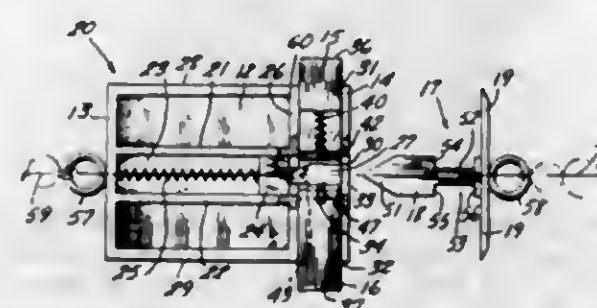
WEDGE ROPE CLAMP
Jobby Beipodio, Bridgeport, Conn.
Application July 23, 1949, Serial No. 106,387
3 Claims. (Cl. 24-136)



1. In a gripping device for clothes lines, or the like, a wedge member consisting of a length of wire of circular cross-section and including an eye loop portion at one end constituting the central portion of said length of wire and a longitudinally disposed wedging portion of generally triangular shape diverging from said eye loop portion, one longitudinal side of which comprises a pair of longitudinal parallel contacting portions of said length of wire in lateral side-by-side relation extending from said eye loop portion, the other longitudinal side of which comprises another pair of longitudinal parallel contacting portions of said length of wire in lateral side-by-side relation and connected to said one longitudinal side by a transverse connecting portion constituting the wide end of said wedge, said connecting portion comprising still another pair of parallel longitudinal contacting portions of said length of wire in side-by-side relation, said longitudinal sides constituting respectively a gripping part and a bearing part each having a longitudinal rope seating groove the sides of which consist of the divergent adjacent surfaces of the pairs of circular cross-section wire portions constituting said sides, and a gripping member having a rectangular opening slidably engaged by said wedge member, one end of said opening having a transverse portion opposed to one of said longitudinal sides and the other end of said opening having a second transverse portion opposed to the other of said longitudinal sides.

2,629,156

CATCH FOR NECKLACES
Irving Kamens, New York, and Adolphe Weinstock, Brooklyn, N. Y.
Application July 6, 1950, Serial No. 172,298
4 Claims. (Cl. 24-211)



1. In a clasp for neck-pieces comprising a housing having a front, a central longitudinal channel and a transverse channel adjacent one end of said housing, a block within said central channel movable against a compression spring, opposed hollow dogs within said transverse channel re-

667 O. G.—56

ciprocally movable towards and away from each other against compression springs therein, the ends of said dogs extending beyond said housing to permit said dogs to be pressed toward one another by the fingers of the hand, aligned slots in said housing and said dogs, pins projecting from the inner ends of said dogs through said aligned slots, an opening in said front, the inner ends of said dogs being past the central longitudinal medial line of said housing, said inner ends of said dogs adapted to partially cover said front opening when said dogs are in normal position, a male member adapted to be inserted into said opening against said movable block, said male member having an enlarged tapered head which spreads said inner ends of said dogs against spring pressure when inserted into said housing and when said head passes said inner ends of said dogs said dogs spring in opposite directions and engage said male member to lock it within said housing.

2,629,157

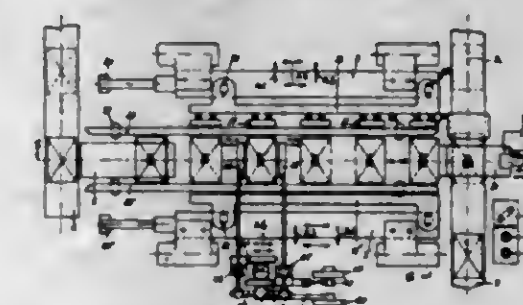
FASTENER
John E. O'Herron, Detroit, Mich.
Application April 11, 1950, Serial No. 155,300
3 Claims. (Cl. 24-213)



3. A sheet metal fastener comprising a head portion, a pair of flat legs depending from said head portion and spaced apart, outwardly projecting flanges at opposite sides of said head portion extending outwardly beyond said spaced legs, a notch between one edge of said legs and said flanges, the opposite edges of said legs extending outwardly beyond the opposite end of said flanges and said head, and a resilient leg projecting downwardly below said head and between said flat legs at the end of said head portion opposite to the notch.

2,629,158

PRINTING AND MOLDING PRESS FOR SOAP CAKES
Pietro Molla, Mesero, Italy, assignor to S. A. F. F. A. Società Anonima Fabbriche Flammiferi ed Affini, Milano, Italy, a corporation of Italy
Application December 4, 1950, Serial No. 198,923
In Italy November 25, 1949
9 Claims. (Cl. 25-7)



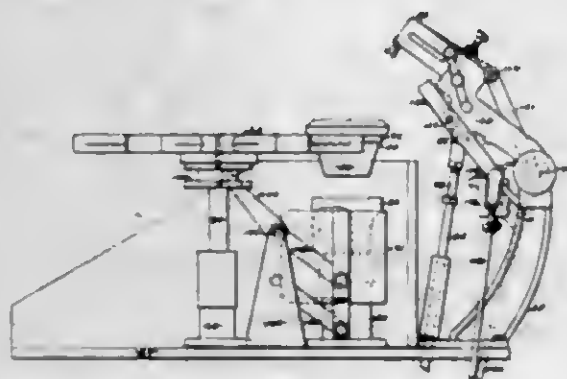
1. A machine for pressing and molding soap cakes, comprising a die-press portion having a substantially horizontal work-table surface, a horizontal belt conveyor extending along said surface for supplying thereto the cake blanks to

be pressed, a feed plunger having an inactive position and being reciprocable from said position across said conveyor and toward said surface for diverting the blanks from said conveyor onto said surface, stop means engageable with said plunger to arrest it in said inactive position, a movable interceptor member disposed above said conveyor in the path of the blanks, control means connecting said member with said stop means for controlling said stop means in response to movement of said member to release said plunger in dependence upon a blank abutting against said member, a feeding device disposed on said worktable surface and having two guide parts extending parallel to the stroke direction of said plunger and being spaced from each other, at least one of said two plates being movable toward and away from the other plate to periodically hold between said two guide plates the soap blanks diverted from said conveyor, and said two plates being periodically movable upwardly and downwardly as well as forwardly and reversely to incrementally advance and deposit the blanks on said surface, and drive means connected with said die-press portion for imparting movements to said two plates in a fixed phase relation to the pressing operation.

2,629,159

POTTERY WARE JIGGER

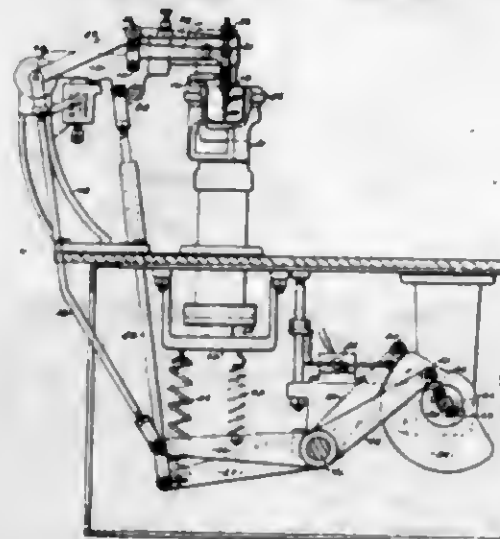
Arthur J. Briggs, Sutton, Vt., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application August 18, 1949, Serial No. 111,032
6 Claims. (Cl. 25-24)



1. A pottery ware jigger for forming articles of plastic material on absorbent moulds comprising a frame, a jigger spindle journaled vertically in the frame and having a mould chuck at its upper end, a turret journaled on a vertical axis and being movable up and down on said axis and having a plurality of mould carrying members adapted to releasably support moulds, means operable as each mould carrying member is positioned in axial registration with said chuck to lower the turret to deposit a mould carried by said member in said chuck for rotation thereby and to subsequently elevate said turret to cause said mould carrying member to engage the mould and remove the same from the chuck, an actuating disk connected to said turret, a vertically extending stop member fixedly mounted on the frame, said disk having slidable interlocking engagement with said stop member during vertical movement of the turret except during the uppermost elevated position of said turret, indexing means operable when said turret is in uppermost elevated position to effect intermittent rotation of the turret to successively move said mould carrying members into axial registration with said chuck.

2,629,160
WATER APPLICATOR FOR POTTERY WARE JIGGERS

Arthur J. Briggs, Sutton, Vt., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application August 18, 1949, Serial No. 111,033
2 Claims. (Cl. 25-24)

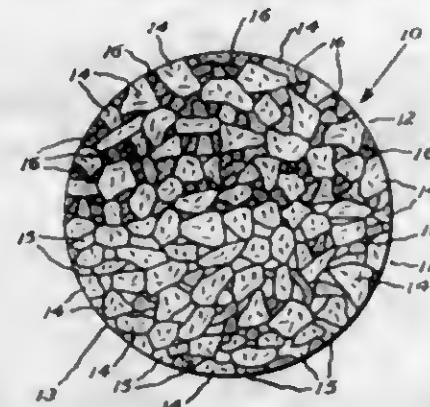


1. A pottery ware jigger comprising a frame, a mould chuck rotatable about a vertical axis, a tool arm pivotally mounted on the frame, a forming tool carried by said arm, means operable to move said arm about its pivot to move said tool into and out of engagement with material on a mould carried by said chuck, a water applicator mounted on said arm in juxtaposition to the tool, said applicator including a valve stem operable when moved axially to open and close the applicator for the discharge of water on the material being formed, actuating linkage carried by said arm and actuating means operable to actuate said linkage while the tool is in engagement with the material.

2,629,161

METHOD OF MAKING CERAMIC ARTICLES

Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 1, 1949, Serial No. 73,938
1 Claim. (Cl. 25-156)



Method of making a dense hard abrasion resistant ceramic article which comprises shaping a body out of at least 30% by volume of granules at least 90% pure of aluminum oxide, compacting and firing the body to cause said granules to grow together apart from any bond included therewith, then impregnating said body on at least one surface with molten glass to a depth of at least 1/8 inch, the glass being fluid enough so as to fill all the interstices between granules with sufficient glass to produce an article to said depth without any anastomosing pores.

2,629,162

METHOD AND APPARATUS FOR HEAT-TREATING TEXTILE FABRICS

Henry E. Peck, Fairport, N. Y., assignor, by mesne assignments, to Palatine Dyeing Company, Inc., St. Johnsville, N. Y., a corporation of New York
Application October 27, 1949, Serial No. 123,925
8 Claims. (Cl. 26-1)

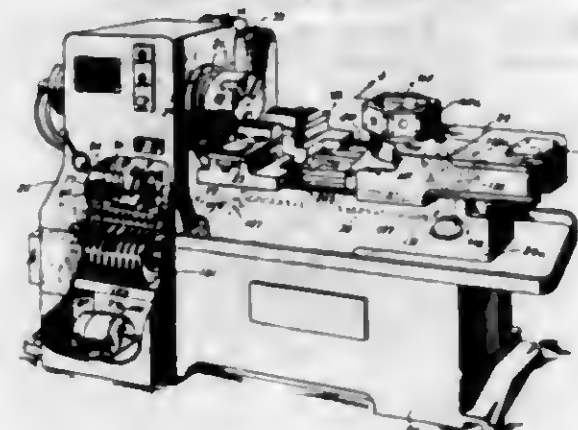


7. A machine for heat-treating textile fabrics comprising a heating chamber, a plurality of supports mounted in the upper part of said chamber, a plurality of plates removably secured to said supports, a plurality of supports mounted in the lower part of the chamber, a plurality of plates removably secured to the latter supports in parallelism to the first plates, a tenter-frame conveyor for conveying the fabric between the upper and lower plates in spaced relation thereto, said plates extending at least over the full width of the fabric, a plurality of electrical heater secured to the back of each plate, and means for controlling said heaters.

2,629,163

CONTROL FOR MACHINE TOOLS

Joseph Earle Makant and Gordon W. Smithson, Pawtucket, and Kenneth R. Wunschel, Graniteville, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application October 9, 1947, Serial No. 778,774, now Patent No. 2,594,782, dated April 29, 1952. Divided and this application November 4, 1949, Serial No. 125,578
9 Claims. (Cl. 29-50)

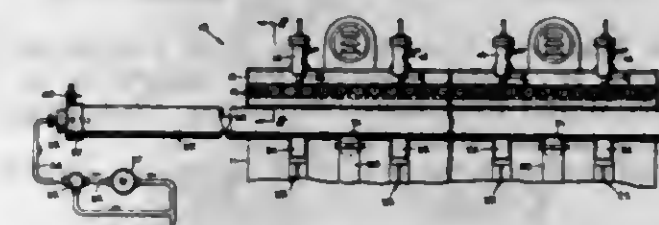


1. In a machine-tool, a turret slide, an indexible turret rotatably mounted on said slide and having a plurality of faces thereon, means for indexing the turret, means for locking said turret in indexed position and including a fixed abutment on said slide adjacent the turret and a slidable lock member movable into and out of position between said abutment and an opposing surface on said turret, a spring normally biasing said lock member to locking position between said abutment and said opposing surface and positioned remote from said lock member and exerting its force at an angle to said member, and an equalizing toggle pivotally mounted within the slide, one end of said spring being connected to said slide and the other end being connected to one end of said equalizing toggle, and the other end of said toggle being connected to said lock-member.

2,629,164

PROCESS OF SLOTTING PIPE

Whetstone Buck Fridy, Long Beach, Calif.
Application July 31, 1951, Serial No. 239,545
6 Claims. (Cl. 29-70)

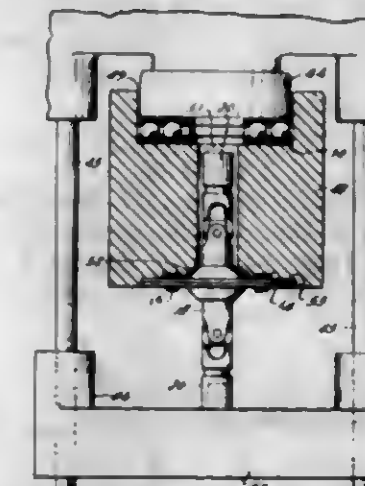


1. A method of cutting a relatively narrow slot in a wall of metal, with a rotating milling saw comprising enclosing a chamber, one of the confining walls of which is formed by said wall of metal, introducing a lubricant into said chamber, maintaining said lubricant under a substantial pressure, cutting said slot through said wall of metal from outside of said chamber so that said slot opens into said chamber, by attacking said wall with said rotating milling saw, and flooding said saw with a lubricant during the cutting of said slot.

2,629,165

METHOD OF PRODUCING SHEET METAL BEARINGS

George B. Stillwagon, Jr., Dayton, Ohio, assignor of one-half to Kenneth G. Fraser, Dayton, Ohio
Application May 31, 1947, Serial No. 751,527
1 Claim. (Cl. 29-148.4)



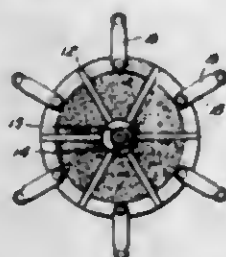
The method of producing a bearing comprising the steps of forming each of two plates with an opening therethrough and with a frusto-conical portion surrounding said opening, supporting one of said plates in a substantially horizontal position, inserting in the opening of said plate a vertically disposed cylindrical member having therein a ball race, inserting a series of balls in the frusto-conical portion and in said race, mounting the other of said plates on said cylindrical member with its frusto-conical portion opposed to the frusto-conical portion of the first mentioned plate and in contact with said balls, clamping the margins beyond the frusto-conical portions of the plates so as to force the frusto-conical portions thereof in firm contact with the balls, rigidly securing the margins of the plates while clamped together, supporting the assembled structure with one end of said cylindrical member in engagement with a support, subjecting the margin of the plate further removed from the support to axial pressure upon said cylindrical member in the direction of the support, and simultaneously rotating the plates with respect to the cylindrical member, reversing the cylindrical member and the plates with respect to the support and subjecting the other plate to

pressure towards the support and simultaneously rotating the plates with respect to the cylindrical member.

2,629,186

METHOD OF FORMING RESISTOR ASSEMBLIES

Jesse Marsten, Carroll Park, and Alexander L. Pugh, Jr., Bala-Cynwyd, Pa., assignors to International Resistance Company, Philadelphia, Pa., a corporation of Delaware
Application October 7, 1948, Serial No. 53,358
4 Claims. (Cl. 29—155.5)

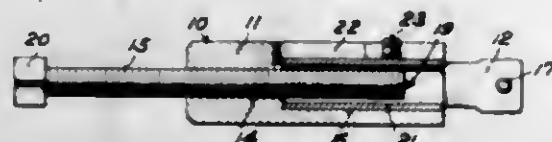


1. In the art of continuously forming assemblies of separate fixed resistors some of which are electrically connected, the steps of applying resistance material to a surface of a dielectric sheet to form a continuous resistance coating, and applying termination coatings to spaced portions of said sheet to form a continuous electrical contact with said resistance coating, and removing portions of said resistance material and the termination coating according to a predetermined pattern to form a plurality of terminals and separate areas of resistance material connected therewith and dimensioned to achieve the resistance value desired for each resistor in each assembly, thereby to form a plurality of separate resistors from the resistance coating which may be connected in a desired circuit.

2,629,167

FAN PULLER FOR OIL BURNERS

John J. Byrnes, Newark, N. J.
Application June 14, 1950, Serial No. 167,962
1 Claim. (Cl. 29—259)



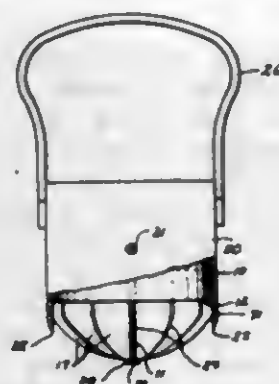
In a tool for removing a hub from a shaft which has an end projecting beyond the hub, and the latter has a radial screw threaded hole for a set screw which normally fastens the hub to the shaft; an elongated body, an axially-arranged shaft-engaging thrust screw threaded in the front end of said body, means projecting rearwardly from the rear end of said body to fasten a hub to the tool, said means including diametrically-arranged hub-engaging screws threaded into extensions which project rearwardly from and laterally off-set from said body to provide an open throat of a size to receive hubs of different lengths and diameters, one of said hub-engaging screws being of a size to screw into a set-screw hole in the hub and the other hub-engaging screw being engageable with the exterior of the hub diametrically opposite its set-screw hole, the rear portion of said body having a cylindrical axial bore of a diameter to slidably receive the end of a shaft of large diameter, a cylindrical sleeve slidably arranged in said bore and having an internal diameter of a size to slidably receive a shaft of small diameter, said sleeve being projectable in a rearward direction beyond the rear end of said body into engage-

ment with the hub on the shaft within said sleeve, and a radially disposed set screw in the rear portion of said body and engageable with said sleeve to lock it in an adjusted position, whereby the tool will be maintained in coaxial alignment with the shaft during the removal of the hub.

2,629,168

FRUIT QUARTERING DEVICE

Pete Shpentuk, Vancouver, British Columbia, Canada
Application September 5, 1950, Serial No. 183,153
2 Claims. (Cl. 30—24)

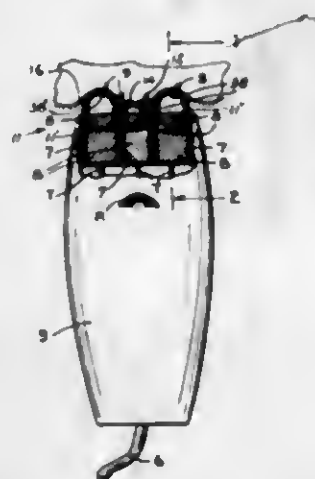


1. A quartering device particularly for grapefruit and oranges comprising a cylindrical casing having an annular cutting edge formed on one end thereof, a base within the casing having an end spaced inwardly from the cutting edge thereof, a plurality of grooves in said base end radiating from the centre to its outer edge, and a blade fitting in each groove and projecting beyond the casing cutting edge, each blade having a cutting edge curving in a radial direction from its inner end back to the casing wall spaced from the cutting edge of the latter.

2,629,169

SHAVING IMPLEMENT

Jacob L. Kleinman, New York, N. Y.
Application February 5, 1947, Serial No. 726,706
14 Claims. (Cl. 30—34)



1. In a shaving implement, a shaving section comprising two top shearing faces, said shearing faces being separated from each other to an extent providing a spaced section for the skin of the face to be shaved to bulge between such shearing faces, and a centrally located shearing face situated in the said spaced section at a point below the said top shearing faces, said centrally located shearing face being adapted to cut the hair at the peak of said bulge.

2,629,170

MOTION CHECK FOR CUTTING SHEARS

Herbert R. Howell, Summit, N. J.
Application April 5, 1950, Serial No. 154,137
11 Claims. (Cl. 30—213)

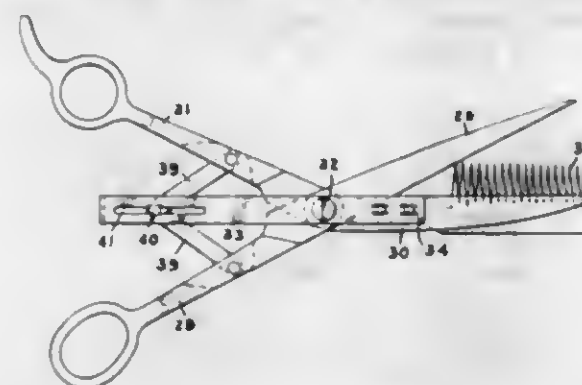


1. In a cutting shear, the combination of a pair of cutting members each having a plurality of spaced blades, each of said blades having a cutting edge along one side thereof, said members being pivotally secured together in opposed cutting relation to each other with the cutting edges on the blades of one member being movable across cutting edges on the blades of the opposing cutting member upon pivotal movement of the cutting members relative to each other and a motion check carried at the outer end of one of the blades on one of the cutting members, said motion check extending from the surface of said first-mentioned blade between a pair of the spaced blades on the opposing member and engaging with the rear edge of one of said pair of blades when the blades of the cutting members are in open position.

2,629,171

COMBINED COMB AND SCISSORS

Alfred L. Boegehold, Detroit, Mich.
Application December 28, 1948, Serial No. 67,703
5 Claims. (Cl. 30—233.5)



1. A scissors comprising in combination a pair of blades, a fixed pivotal connection between said blades, one of said blades having a handle member fixed at one end thereof, a second handle member supported by the pivotal connection between said blades, the blade without a handle member having a fixed extension thereon extending from said pivotal connection in the direction of said handle members, and a pair of links

each pivoted at one end on one of said handle members and having their other ends pivotally connected together and slidably mounted on said extension so as to fixedly position said extension between said handle members whereby when the handle members are manipulated the blade having the extension thereon remains stationary while the other blade pivots.

2,629,172

DENTAL INSTRUMENT

Cyrus C. Kelger, Charlotte, N. C.
Application May 29, 1950, Serial No. 164,933
1 Claim. (Cl. 32—63)

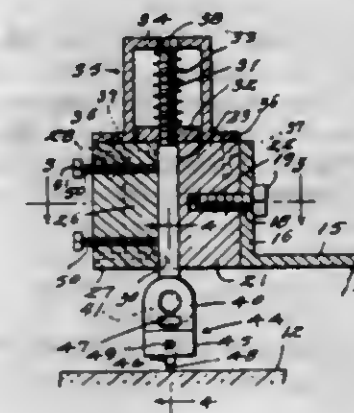


A dental matrix tool comprising a member having a concave tooth engaging surface, a stem laterally offset and projecting from and secured to said member in a plane inwardly of the filling engaging portion of the concave surface, and a handle for securement to said stem whereby a lateral pressure may be applied to the tooth when said handle is moved in the direction faced by the concave surface, said handle and member being guidable into a fixed position by means of a plastic material surrounding the handle and which is shaped to engage the teeth for fixing the position of the tool during the setting process of the tooth filling material.

2,629,173

DIAMOND HOLDER ATTACHMENT

Fernand M. Mottet, Park, W. Va.
Application April 5, 1950, Serial No. 154,095
3 Claims. (Cl. 33—32)

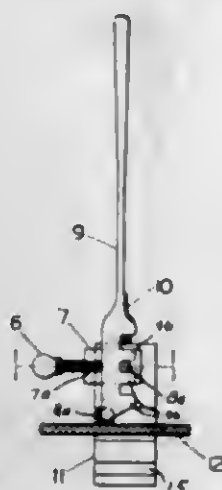


1. In combination with a glass cutting apparatus including a transverse bar longitudinally movable over a sheet of glass to be cut, a block secured to said bar, a vertical channel in said block, a U-shaped member disposed over said channel and having an aperture aligned with the channel, a shank extending through said channel and said member, a threaded upper extremity

on said shank, a nut on said threaded extremity within said U-shaped member and engageable with the top of said block, spring means biasing said nut toward the top of said block, a cutting device secured to the lower end of said shank, and means for moving said shank vertically in said channel to raise the cutting device to an inoperative position, said means comprising a movable cam-surfaced member carried by said shank and engaging the top of said U-shaped member.

2,629,174

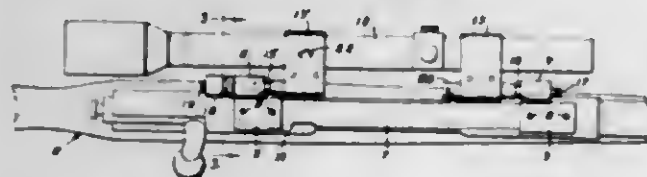
GLASS CUTTING GAUGE AND BREAKER
Domenic R. Corrado, Torrington, Conn.
Application September 28, 1951, Serial No. 248,812
2 Claims. (Cl. 33-42)



1. In a glass cutting tool, a vertical gauge block having a horizontal drilled hole near the top thereof, a vertical tapped hole extending into the top of said gauge block and communicating with said drilled hole, a horizontal elongated guide rod loosely fitted within said drilled hole, a thumb set screw in said tapped hole for clamping said rod in any desired adjusted position, an angle bracket secured rigidly upon the end of said rod, and a thumb set screw passing through said angle bracket for detachably engaging the outer smooth edge of a standard glass cutting tool, the end of said guide rod having a reduced section adapted to be detachably fitted within the notch between adjacent teeth on the inner edge of said glass cutting tool.

2,629,175

TELESCOPE SIGHT MOUNT FOR RIFLES
Donald R. Merritt, Helena, Mont., assignor to Rocky Mountain Arms Equipment Co. Inc., Helena, Mont., a corporation of Montana
Application August 3, 1949, Serial No. 108,295
7 Claims. (Cl. 33-50)

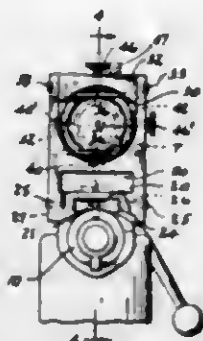


1. In a telescope sight for rifles, horizontal front and rear base plates respectively adapted to fit and be rigidly secured on top of the front and rear bridges of the rifle receiver and provided at corresponding side edges with longitudinal aligned bearings, front and rear telescope clamping rings arranged between and adjacent the respective base plates, pintles fixed to and

respectively projecting forwardly from the front clamping ring and journaled in the bearing of the front base plate and rearwardly from the rear clamping ring and journaled in the bearing of the rear base plate so as to mount the telescope for lateral swinging movement to and from an operative position over the receiver and a resilient locking member supported solely by the rear base plate and the opposite thereof from the rear pintle for engaging the rear clamping ring to retain the telescope over the receiver.

2,629,176

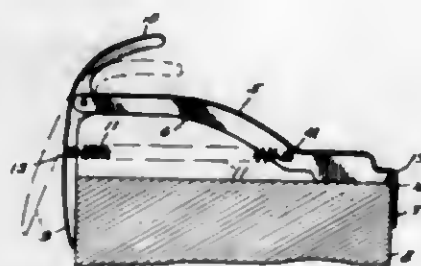
TELESCOPE MOUNTING
Jessie T. Ivy, Seattle, Wash.
Application September 10, 1951, Serial No. 245,801
2 Claims. (Cl. 33-50)



1. A telescope mounting block of the character described adapted for fixed securement on a rifle barrel and having a recess deeply formed therein and opening to the top thereof for the reception of a telescope barrel, and a closure member removably fixed in the block across the open end of the recess, a telescope mounting collar disposed in the closed recess with clearance about it for vertical and lateral adjustment, upper and lower sets of paired rods mounted in the block and extended through the recess to receive the upper and lower portions of the collar between them as a means for holding the collar and telescope as secured therein against longitudinal movement in the block, and means in the block for adjusting the collar vertically and laterally in the block.

2,629,177

MASON'S TRIG LINE HOLDER
Louis N. Zinken, St. Cloud, Minn.
Application August 16, 1950, Serial No. 179,764
2 Claims. (Cl. 33-85)

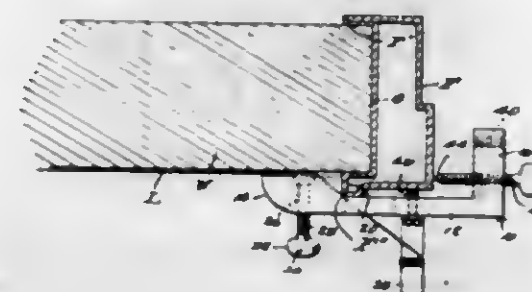


1. A mason's trig line holder comprising an elongated longitudinally curved body formed of a length of sheet metal material, the side edges of the body extending laterally in parallel spaced relation providing spaced flanges, said flanges adapted to rest on a supporting surface throughout a portion of the length of the body, a laterally extended stationary jaw formed at one end of said body, a jaw pivotally connected to the

other end of the body, and a coiled spring connected to the body between said flanges, said spring being also connected to the pivoted jaw, normally biasing the pivoted jaw into clamping relation with the stationary jaw.

2,629,178

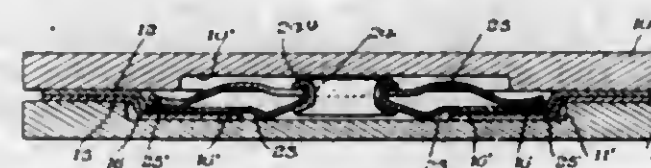
GUIDELINE HOLDER
Louis Nicholas Zinken, St. Paul, Minn.
Application December 12, 1951, Serial No. 261,284
2 Claims. (Cl. 33-85)



1. A guideline holder comprising an elongated body of substantially rectangular cross section, said body having an elongated longitudinally extending opening therethrough intermediate the ends thereof, a pad carried by the body and projecting laterally therefrom adjacent one end thereof, said pad having a longitudinal groove extending therethrough and communicating with the opening adjacent one end thereof, an arm carried by the body and projecting laterally therefrom in spaced parallel relation to the pad, a line anchor carried by the body and projecting laterally from the side thereof remote from the pad, and a line guide carried by the pad and extending into the groove for engaging a line passing through said groove and holding said line in spaced relation to the pad.

2,629,179

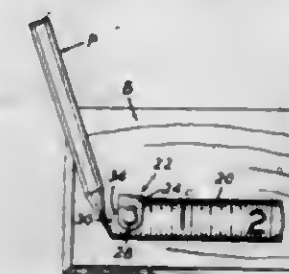
FOLDING RULE JOINT
Folke Lindhe and William H. Hodge, Middletown, N. Y., assignors to Master Rule Manufacturing Co., Inc., Middletown, N. Y., a corporation of New York
Application May 26, 1951, Serial No. 228,496
8 Claims. (Cl. 33-115)



1. In combination, a rule joint comprising a pair of plates adapted to be attached to the respective ends of an adjacent pair of rule sections, one of said plates having a pair of aligned recesses at a central aperture and the other a similarly shaped projection nesting therein, a central aperture of the latter being defined by a tubular extension consisting of a conical and a cylindrical portion, said extension lying in the central aperture of the former, a spring mounted on said extension and an eyelet lying in said tubular extension having its end clinched over the spring to connect all of said parts together in pivotal relationship.

2,629,180

RULER CONSTRUCTION
Fred O. Carlson, Monrovia, Calif., assignor to Carlson & Sullivan, Inc., Monrovia, Calif., a corporation of California
Application January 23, 1951, Serial No. 207,397
3 Claims. (Cl. 33-137)



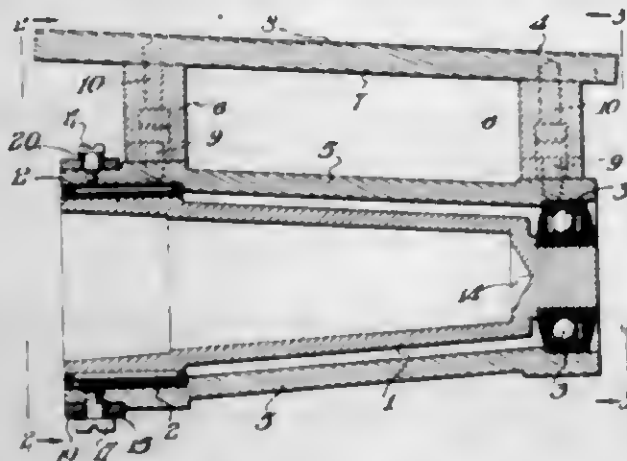
1. An inside-outside measuring construction of the type wherein means is provided for holding the end of a tensioned ruler flush with a surface from which an outside measurement is to be taken, and wherein the end of the ruler may be pushed into abutment flush against a surface from which an inside measurement is to be taken, said construction including: a ruler portion of the spring steel concavo-convex type having a datum end from which graduations along the ruler are numbered, and a tip piece lying partly juxtaposed in overlapping face to face relationship with the concave side of said ruler and including an abutment-forming projection extending approximately perpendicularly from said juxtaposed part of said tip piece; said ruler portion and tip piece being pivotally secured together with the juxtaposed part of the tip piece drawn nearly flat against the concavely biased ruler portion, whereby the ruler portion acts as a spring washer for yieldably holding the tip piece in whatever pivotal relationship it finds itself, the maximum length of the juxtaposed part of the tip piece as measured from said projection along a line parallel to said face to face relationship and passing through that point of the juxtaposed part most remote from said projection being less than the width of the ruler, whereby when the tip piece is moved to that pivotal relationship wherein its dimension of said maximum length is transverse with respect to the ruler the tip piece is not long enough to extend entirely across the ruler, said datum end embodying a vertical transverse edge defining a rectangular corner with the lower edge of the ruler portion, said datum end embodying a relieved corner region at the upper edge of the ruler portion, said graduations running along the lower edge of the ruler portion from said vertical transverse edge, and said relieved corner region providing clearance for pivoting said tip piece through 90° from a position wherein said projection extends from said vertical transverse edge to a position wherein said tip piece is transverse with respect to the ruler, whereby when said tip piece is transverse the lower edge of said ruler is unobstructed by said tip piece and may be used as a pencil guide line all the way to said rectangular corner.

2,629,181

CUTOFF GAUGE FOR WINDING MACHINES
Frederick G. Kraft, Richmond, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application November 26, 1949, Serial No. 129,643
1 Claim. (Cl. 33-181)

A gauge for adjusting a trip mechanism for the shut off of a machine for winding a cone of

yarn, which comprises an aligner adapted to fit and rotate with a winding machine cone holder, said aligner having mounted thereon, so as to be independently partially rotatable thereon about the axis of rotation of said aligner, a work arm which contacts said trip mechanism during setting operations and which extends substantially along the entire length of the aligner, said work

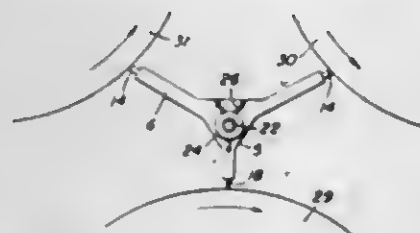


arm having along its entire length a surface curved normal to the axis of rotation, said surface being so curved and so spaced from said axis of rotation that its radius normal to, and at every point along the axis of rotation, varies gradually from slightly less to slightly more than the corresponding radius of the final build up of yarn desired.

2,629,182

PAPER CUTTER FOR PAPER MILL DRYING ROLLERS

John C. Nix, III, Tuscaloosa, Ala.
Application February 4, 1948, Serial No. 6,327
9 Claims. (Cl. 34-35)



1. A paper cutter comprising a body having a plurality of hollow arms projecting radially therefrom, a wheel mounting slidable in each arm, a feed screw in the body for projecting the mountings and providing a hand grip for moving the body forwardly and backwardly between a group of triangularly arranged paper drying rollers, spring means retracting the mountings, and wheels journaled at the outer ends of the mountings, at least one of the wheels constituting a cutter.

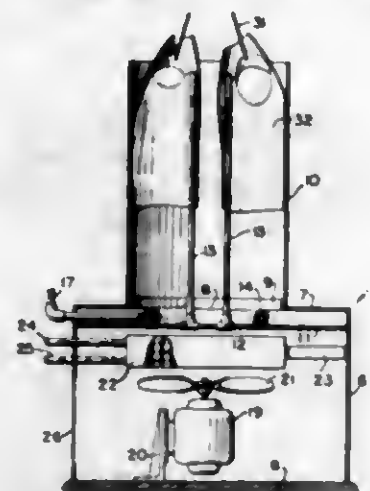
2,629,183

GARMENT DRIER

Arron O. Lovelace, Fort Worth, Tex.
Application March 8, 1950, Serial No. 147,987
2 Claims. (Cl. 34-104)

1. In a garment drier, a drying stack having a relatively large opening in the upper end thereof and adapted to receive the garments to be dried therethrough, at least one vertically projecting garment guide positioned within said stack, means blowing hot air upwardly through said stack, said guide being spaced relative to the inner wall of said stack at a distance whereby a

garment placed over said guide will contact the latter and said inner wall when said garment is inflated by said blowing means, a garment sup-

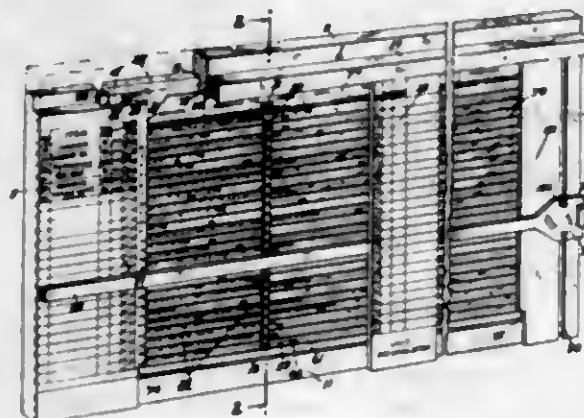


porting bracket positioned above said guide and adapted to removably suspend the garments to be dried within said stack.

2,629,184

CONTROL BOARD

Claude W. Johnson, Berkeley, Calif., assignor, by mesne assignments, to Trendicator Systems Co., San Francisco, Calif., a corporation of California
Application October 29, 1945, Serial No. 625,219,
9 Claims. (Cl. 35-24)



9. A control board comprising a backing sheet having a plurality of parallel spaced ribs extending therealong to define channels, a plurality of information bearing strips in said channels, a plurality of substantially opaque tape sections, and means for slidably supporting said opaque tape sections along said channels to progressively block out said strips.

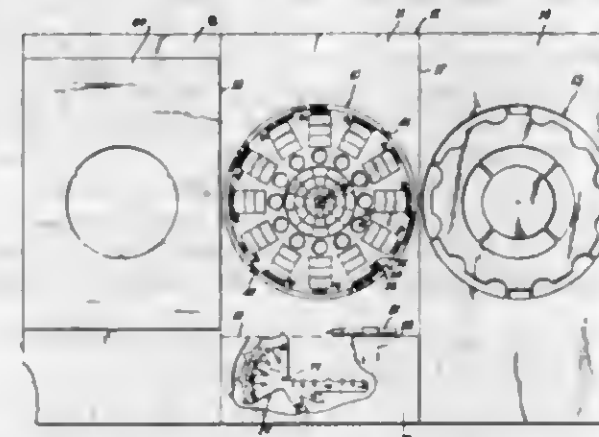
2,629,185

COLOR CHART

Thomas J. Mulrane, Jersey City, N. J.
Application February 27, 1950, Serial No. 146,458
7 Claims. (Cl. 35-28.3)

1. A color chart having a plurality of windows and a plurality of color slides, the number of said slides being equal to the number of said plurality of windows, one of said slides being allocated to each of said windows, each of said slides being movable into and out of registration with its respective window where the slide is exposed to view through the window, and each of said slides being so movable individually and independently of other of said slides, and a group of colored sec-

tions adjacent each of said windows, each of said member and engaging the drum-shifting mem- groups of colored sections showing shades and ber upon a predetermined hoisting movement of

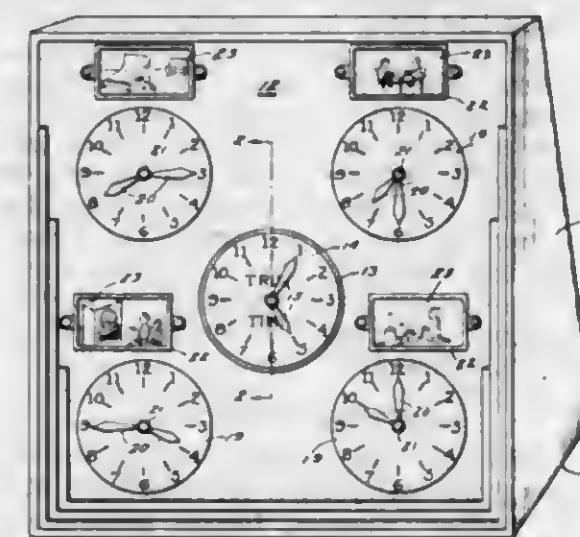


tints of the color of the color slide allocated to the window to which the respective group of sections is adjacent.

2,629,186

TIME AND ACTIVITY OCCURRING TIME COMPARING DEVICE

Rena J. Biddlestone, near Youngstown, Ohio
Application May 22, 1950, Serial No. 163,547
4 Claims. (Cl. 35-39)



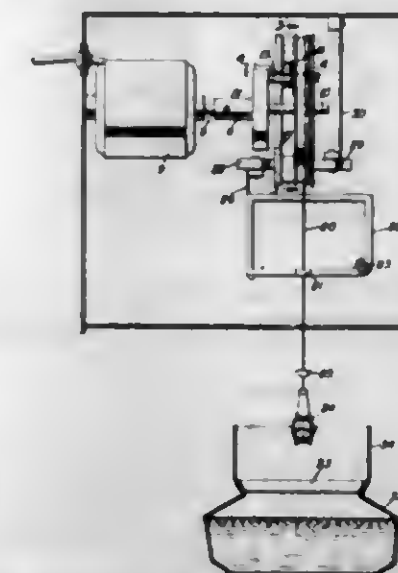
1. A time and activity time comparing device including a supporting panel and a plurality of identical clock dials positioned thereon, each of the clock dials having identical movable hands thereon and a clock works for driving the movable hands on one of the clock dials, a removable picture of an activity positioned adjacent each of the other clock dials.

2,629,187

DISPLAY DEVICE

Benjamin E. Nibert, Edinburg, Tex.
Application July 17, 1950, Serial No. 174,220
5 Claims. (Cl. 35-49)

1. A display device comprising a motor driven shaft, a hoisting device including a drum slidably journaled on the shaft and having a vertically movable flexible member connected to the drum for winding thereon, clutch means connecting the shaft and drum to each other in driving relation upon a sliding movement of the drum in one direction, a vertically swingable drum-shifting member underlying the drum and movable into and out of engagement with the drum to slide the latter out of driving relation with the shaft, and means carried by the flexible

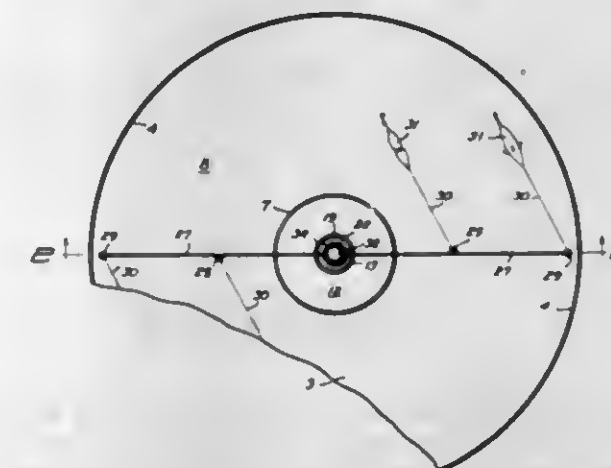


said flexible member to slide the drum out of driving relation with the shaft.

2,629,188

DISPLAY TANK FOR LURES AND PROPULSION MEANS THEREFOR

Charles S. Renwick, Jr., Richmond, Calif.
Application November 1, 1951, Serial No. 254,383
3 Claims. (Cl. 35-49)



3. The combination with a tank providing an annular channel, of propulsion means for towing a lure through the channel comprising a platen constituting the driving element, a block gravitationally engaging the platen and constituting the driven element, means for rotating the platen, a beam fixed on the block and extending over the channel and to which the lure is secured, and a plurality of nesting weights of varying mass on the block for effecting a predetermined gravitational engagement of the block and platen.

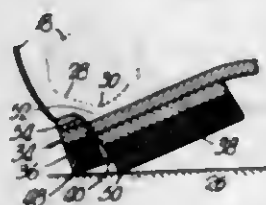
2,629,189

MULTIPLE ACTING HEEL FOR SHOES

Harry Charles Stein, Yonkers, N. Y., assignor of one-fifth to Leonard J. Stein, Houston, Tex., one-fifth to Stanley M. Stein, New Orleans, La., one-fifth to Melvin Stein, Jackson Heights, and one-fifth to Frank R. Stein, Yonkers, N. Y.
Application July 5, 1951, Serial No. 235,268
4 Claims. (Cl. 36-8.5)

1. A shoe for the foot comprising innersole, outersole, and heel sections positioned at the posterior region of the shoe for supporting the medial tubercle of the os calcis, said sections divided to form a fixed peripheral portion and a

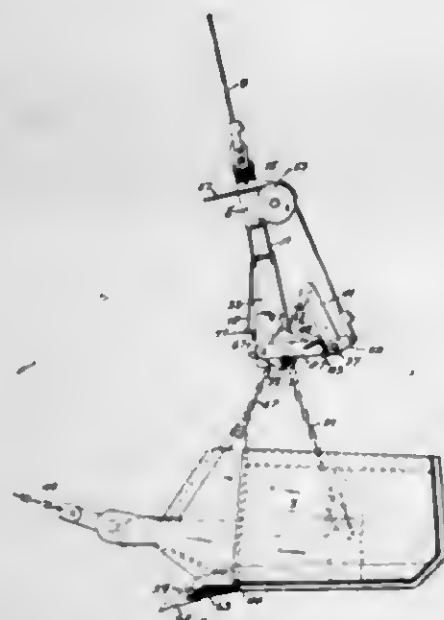
central movable portion the latter of which is positioned directly under the medial tubercle. said movable portion moving with respect to the



fixed peripheral portion when the body weight is shifted during motion of the foot in normal gait.

2,629,190

DRAG BUCKET AND CONTROL THEREFOR
Leo Berner, San Jose, Calif., assignor to Pacific Coast Engineering Company, Alameda, Calif., a corporation of California
Application January 5, 1948, Serial No. 516
3 Claims. (Cl. 37-135)



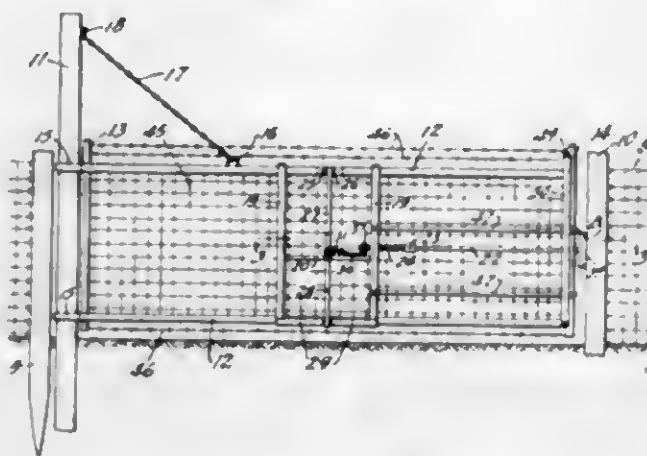
1. A drag bucket assembly comprising a bucket having means for suspending said bucket from a hoist line, said means including a ball for connection to said bucket, said ball having a crossbar extending between the sides and adjacent the lower ends thereof; toggle means carried by said ball for connection to the front end of said bucket and adapted in its set condition to hold the front end of said bucket in stable carrying position, and in its upset condition adapted to permit dropping of the front end of said bucket to its dumping position; and including means pivotally securing said toggle means on an axis slightly to the front of said ball, said pivotal securing means permitting said toggle means to rest upon said crossbar; flexible means lying to one side of said axis and connecting said toggle means to the front end of said bucket; and means for selectively upsetting said toggle means from a remote point to dump said bucket.

2,629,191

GRAVITY RETURN BUMP GATE
William H. Koch, Minneapolis, and Ernest Strom, North St. Paul, Minn.; said Strom assignor to said Koch
Application August 3, 1949, Serial No. 108,242
8 Claims. (Cl. 39-31)

1. A bumper actuated latch for use in conjunction with a gate frame having a pivot end

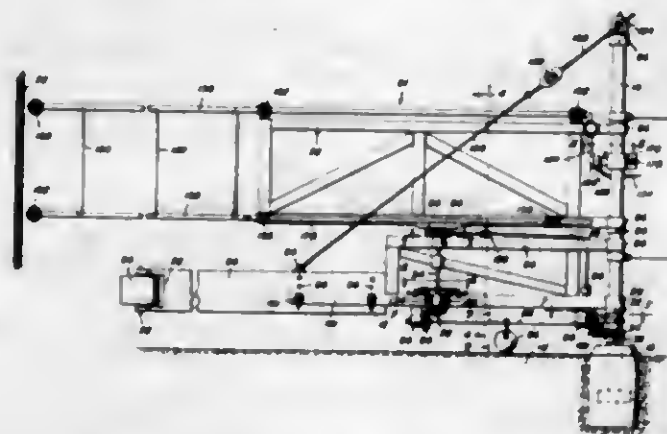
and a swinging end mounted between a pivot post and a latch post for swinging movement of the gate frame about the pivot post to open and closed positions, said latch including a bumper bar pivotally connected on a substantially horizontal axis to said frame and projecting vertically from its pivotal mounting at one side of the gate frame and in spaced relation thereto intermediate the ends of the frame in position to be struck by a vehicle driven to pass between the two posts, a latch member mounted on the gate frame for extension and retraction of a portion thereof from the swinging end of



the frame, a latchkeeper companion to and engageable by the latch member for cooperative retaining action with said latch member when the latter is extended, resilient means urging said latch member to its extended position, a lever in the gate frame pivotally mounted intermediate its length for swinging movement about a vertical axis, a link pivotally connecting said bumper bar to one end portion of said lever, and a linkage between the other end portion of said lever and said latch member retracting said latch member from said keeper as said lever is swung in one direction.

2,629,192

AUTOMATIC VEHICLE OPERATED GATE
Victor E. Taylor, Nampa, Idaho, assignor of ten per cent to Jean A. Brown, Burlingame, Calif., and ten per cent to A. H. Whitlatch, Nampa, Idaho
Application April 21, 1949, Serial No. 88,774
4 Claims. (Cl. 39-58)



1. An automatic vehicle operated gate comprising a gate support, a pair of vertically spaced gate sections each journaled on said support for rotation about a vertical axis, one of said sections having a laterally extending pusher plate for engagement by a vehicle, means connecting said

other section to said one section for causing swinging movement of the former in response to movement of the latter by a vehicle actuating said pusher plate, said connecting means including a shaft journaled on said one section, an operating connection between said shaft and said other section and means for driving said shaft in response to movement of said one section.

2,629,193

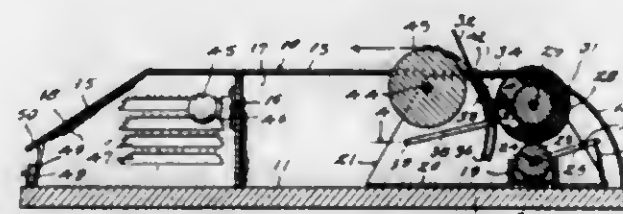
LICENSE HOLDER
George Wharton Hughes, Winnipeg, Manitoba, Canada
Application March 24, 1952, Serial No. 278,187
4 Claims. (Cl. 40-125)



1. A license holder, comprising: a closed tubing having a sloping end wall; a pair of plates, one on each side of said tubing, mounted parallel with said sloping end wall, and for telescopic movement of one end each thereof through the walls of said tubing; manual control means rotatably mounted across said tubing for frictionally locking said telescoping plate ends between said control means and said sloping end wall, when operated; means, carried by the opposite end wall of said tubing, for mounting said holder on a vehicle; and means on said plates for attaching a license plate thereto.

2,629,194

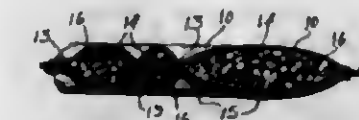
FINGERPRINTING MACHINE
Lloyd Fredrick Johnson and Richard Thomas Tennant, Portland, Oreg.
Application November 15, 1950, Serial No. 195,843
6 Claims. (Cl. 41-4)



1. A fingerprinting machine comprising a housing formed of a base, opposite side walls, a top wall and front and rear walls, an ink reservoir in said housing, a transfer roller, means supporting said roller to dispose a portion thereof partly in said reservoir and partly above said reservoir, a second roller rotatably disposed in said housing engaging said first roller, said housing having a transverse slot through which said second roller partly projects, a crank fixed relative to said second roller, and a third roller rotatably carried by said housing rearward of said second roller and projecting partly through said top wall, said housing having a slot in said top wall between said second and third rollers for removably receiving an article to be imprinted, the third roller being positioned for rotation by the rearward movement of the article being imprinted.

2,629,195

APPLIQUE ORNAMENT FOR FABRICS
Salvatore Casha, Brooklyn, N. Y.
Application March 8, 1950, Serial No. 148,388
4 Claims. (Cl. 41-10)



1. An ornamental applique as applied to a sheet of fabric material, comprising a sheet of transparent plastic having a specific cutout design positioned on the front face of the sheet of fabric, a piece of reinforcing material having the same cutout design as said sheet of transparent plastic positioned against the rear face of the sheet of fabric in alignment with said sheet of transparent plastic, lines of stitches in a decorative pattern securing together said sheet of transparent material, the sheet of fabric and said piece of reinforcing material and forming pockets between the adjacent faces of said sheet of transparent plastic and the sheet of fabric, and decorative filler material in said pockets to be seen through said sheet of transparent material, said filler material having a mass puffing out said pockets to provide an applique effect.

2,629,196

OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 4, 1948, Serial No. 58,273
2 Claims. (Cl. 41-34)

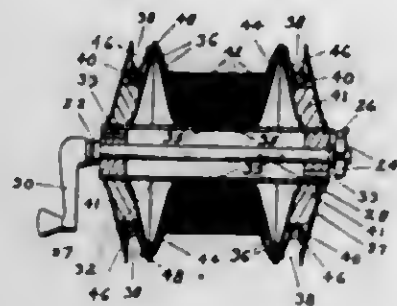


1. In an ophthalmic mounting, the combination of a plate-like portion disposed in overlying relation with a section of the supporting structure for the lenses of said mounting, said section of the supporting structure having at least one connection opening therein, and a tubular connection member positioned in said opening, said plate-like portion having a relatively short projection on its rear surface to extend into the bore of said tubular connection member, with the diameter of said projection being slightly less than the diameter of said bore of the tubular connection member, said tubular connection member having a piece of solder therein contiguously overlying the end of said projection and having portions thereof melted to fill the area between the peripheral surface of said projection and the internal wall surface of the tubular connection member so as to secure said projection with the tubular connection member, and the opposed end of said tubular connection member being flared to overlie the opposed surface of said section of the supporting structure so as to maintain said plate-like portion in connected relation with the supporting structure.

2,629,197

FISHING REEL

James B. Duvall, St. Louis, Mo.
Application July 11, 1947, Serial No. 760,239
7 Claims. (Cl. 43-27.4)

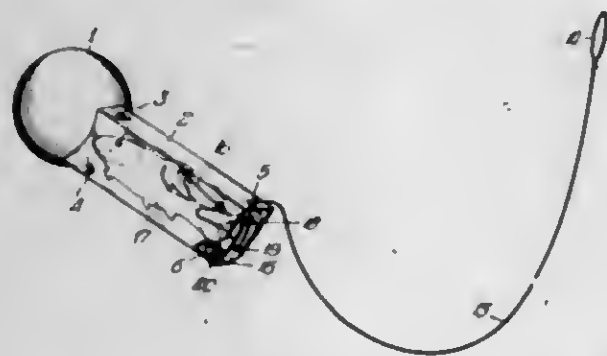


6. A fishing reel that is adapted to receive a fishing line provided with a plurality of hooks and that comprises a line-receiving drum, first flanges on said drum, secondary flanges which are on and rotatable with said drum and are spaced from said first flanges, intermediate members that are between said first and secondary flanges respectively and coact with said first and secondary flanges to define annular recesses which are oppositely disposed on said drum, said recesses being formed and dimensioned to receive and guide hooks carried by the staging lines of a fishing line therebetween, and resilient elements being arranged circumferentially in said recesses, said resilient elements having transversely extending portions in said recesses, said portions being adapted to be spaced to define slots therebetween and that are movable to permit the insertion of hooks therebetween and are operable to releasably hold the rounded end of said hooks against movement relative to each other until said hooks are withdrawn from said resilient elements.

2,629,198

LIVE BAIT SAVING BOBBER

Stephen L. Johnston, Chicago, Ill.
Application April 15, 1950, Serial No. 156,177
5 Claims. (Cl. 43-41.2)

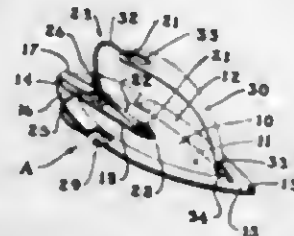


1. In a bobber of the class described, the combination of a float, a hollow chamber secured at one end to said float and open at the opposite end, said chamber being adapted to contain a bait to be cast and to protect the same and being provided adjacent the open end with an opening adapted to receive a latch and with a hole adapted to receive a leader, and latch means provided with holes to receive the leader and adapted to be received by said opening.

2,629,199

FISH LURE

Karl R. Larson, Aitkin, Minn.
Application May 3, 1948, Serial No. 24,751
2 Claims. (Cl. 43-42.41)

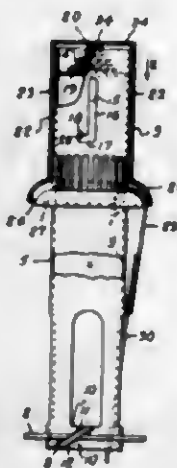


1. A fish lure comprising an elongated body having a narrowing end portion, said end portion having a notch at each side thereof, a connecting member pivotally secured to said end portion and pivotable forwardly over a surface of said body, a triple hook member pivotally secured to said connecting member and pivotable rearwardly over said connecting member, two of the hooks being engageable in the notches of said end portion to thereby bring their points within the peripheral boundary of said lure, and a spring arm on said lure body engageable with the point of the third hook to hold said hook member and connecting member in overlying relationship with the surface of said lure.

2,629,200

SAFETY FISHHOOK HOLDER

Frank Woodhead, Collingdale, Pa.
Application December 20, 1948, Serial No. 66,299
14 Claims. (Cl. 43-57.5)



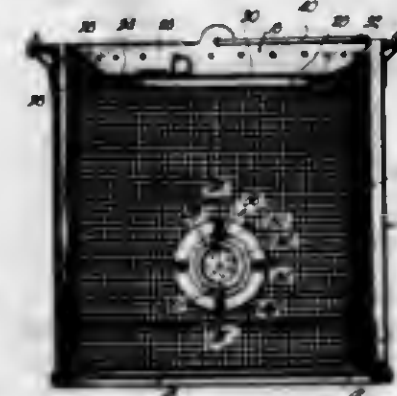
8. A safety fish-hook holder consisting of a hook carrying and housing member having hook receiving slots formed therein in the upper part thereof and a leader receiving chamber formed in the lower part thereof; a plurality of external fins formed in said hook carrying and housing member; there being a plurality of cut outs formed in said leader receiving chamber forming open windows therein; a hook supporting ledge positioned on said hook carrying and housing member at the floor of said hook receiving slots; a spring receiving tube having formed therein at least one bayonet receiving slot and having fins extending therefrom carried by said hook carrying and housing member; an entry and exit slot formed in said leader receiving chamber; a latching hood mounted on said hook carrying and housing member for movement to a hook latching and to a hook unlatching position; a latching brim carried by said latching hood and positioned for cooperating with said hook supporting ledge to latch said fish-hooks upon said fish-hook

holder when said latching hood is in its hook latching position; a latching pin carried by said latching hood and positioned for movement in said bayonet slot; a latching hood latching spring engaging pintle carried by said latching hood; and a latching hood latching spring positioned within said spring receiving tube and engaging said latching hood latching spring engaging pintle at its upper end.

2,629,201

COMBINATION MINNOW BUCKET AND TRAP

Harry F. Runkle, Kansas City, Kans.
Application February 28, 1949, Serial No. 78,873
1 Claim. (Cl. 43-100)

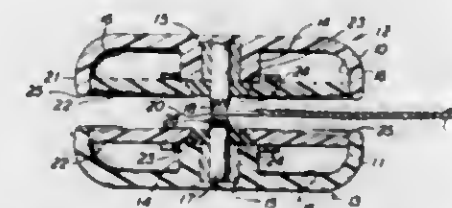


In a fish trap, a hollow body having an opening in one wall thereof; a frusto-conical, tubular member in the body having a large end and a small end, and a pair of spaced, out-turned, annular flanges, the flange proximal to said large end of the member engaging the inner face of said wall and being secured thereto, said member being aligned with said opening; a gate for said member including a hollow, semi-spherical portion adapted to fit into the member at said small end thereof; a continuous out-turned, annular flange on said portion of the gate bearing against the other of said flanges of the member when said portion is within the member; means hingedly securing the flange of said portion of the gate to said other flange of the member; a latch including an L-shaped rod having one leg thereof rotatably mounted in said flanges of the member and a second leg adapted to bear against the flange of said portion of the gate for holding the gate closed; an operating button on said one leg exteriorly of the body for rotating the latch; and a semi-spherical cork filling secured within said portion of the gate for rendering the gate buoyant in water when the gate is unlatched.

2,629,202

TETHERED AERIAL TOP

Norman J. Stivers, Canoga Park, and Thomas H. Ennis, Burbank, Calif., assignors to Donald F. Duncan, Inc., Chicago, Ill., a corporation of Delaware
Application July 17, 1950, Serial No. 174,196
3 Claims. (Cl. 46-61)



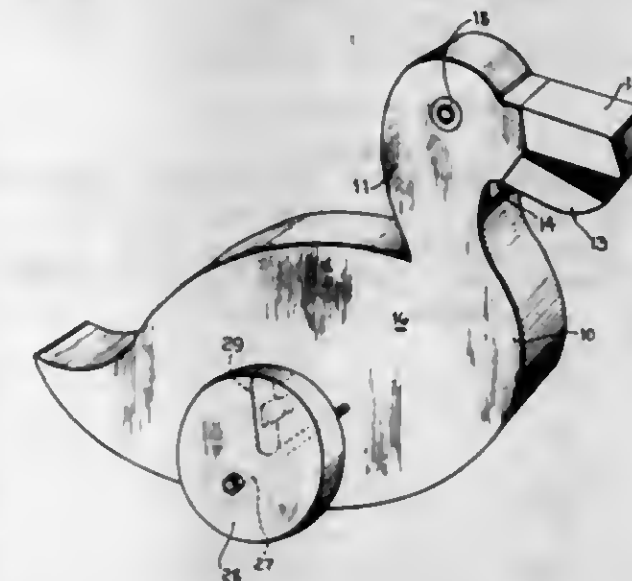
1. In a top, a shaft, a body comprising a pair of generally disc-shaped sections rigidly mounted

on opposite ends of said shaft in spaced relationship, said shaft being formed to define in its central zone, midway between said body sections, a smoothly polished zone of slightly reduced diameter having arcuate extremities blending smoothly into the main portion of said shaft, and a flexible line loosely looped over said shaft and normally adapted to ride in said polished zone, said shaft being provided also with a plurality of oppositely directed shallow spiral grooves on the shaft surface adjacent both sides of said polished zone, said spiral grooves being adapted to urge the line toward one of said body members and away from said polished zone.

2,629,203

MOVING FIGURE WHEELED TOY

Hurley Leon Brown, Kokomo, Ind.
Application April 14, 1950, Serial No. 155,850
2 Claims. (Cl. 46-104)



1. A toy comprising a body, a shaft extending transversely of the body, supporting wheels eccentrically mounted on the shaft, a power unit within the body and having driving connection with the shaft, said body comprising a head, said head having a transverse opening formed therein, eye simulating disks mounted in said head at opposite ends of said opening, electric bulbs mounted in said opening adjacent said disks, a power circuit for said bulbs including a switch, and a disk eccentrically mounted on said shaft and engaging an element of said switch for intermittently closing said switch, said head including a stationary and a movable jaw, and means operable by the eccentrically mounted disk and connected to the movable jaw for moving said jaw relative to said stationary jaw intermittently with the closing of said switch, said last-named means including a pull cord within said body and having connection with said movable jaw and having a loop mounted in a groove of said eccentrically mounted disk.

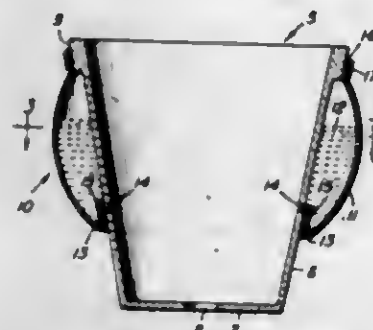
2,629,204

SELF-WATERING FLOWER POT

John Dodds, Greenville, S. C.
Application April 26, 1949, Serial No. 89,696
2 Claims. (Cl. 47-38)

1. A self-watering flower pot comprising a conventional type porous clay pot, and a radially and circumferentially contractible and expansible annular elastic jacket exteriorly surrounding the intermediate and upper portions of said pot, said

jacket being concavo-convex in cross-section, the upper edge fitting snugly about the cooperating portion of said pot and having an encircling reinforcing elastic band attached thereto, the lower edge portion having a turned in upstanding re-

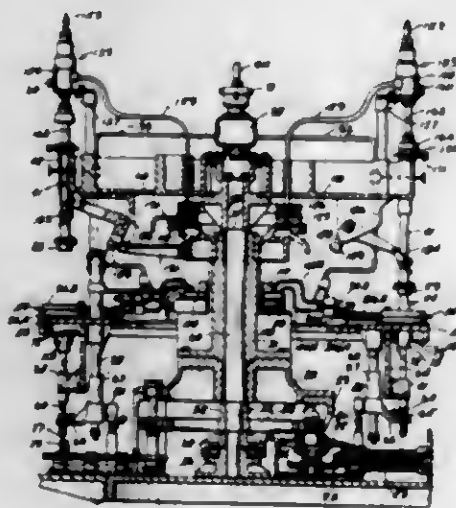


inforced binding flange fitting snugly about the cooperating body portion of the pot, and the concavo-convex body portion being belled outwardly, spaced from the pot and cooperating with the latter in defining a water reservoir.

2,629,205

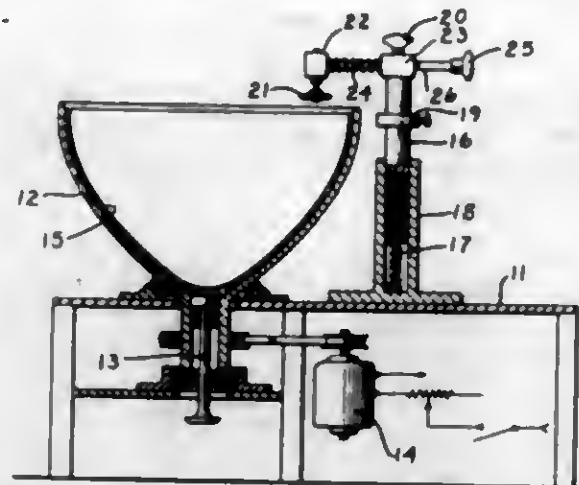
BURNER AND BURNER CONTROL SYSTEM FOR GLASS BURN-OFF MACHINES

John W. Eldred, Columbus, Ohio
Application December 24, 1948, Serial No. 67,235
3 Claims. (Cl. 49-50)



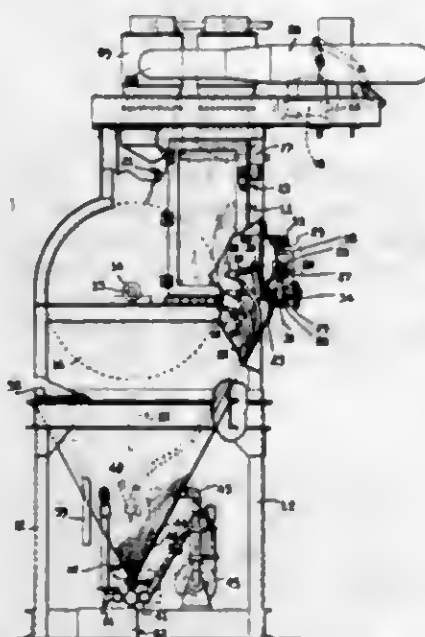
1. In a rotary burn-off machine of the type including a plurality of ware-holding spindles each of which is so arranged as to transport inverted glass ware through successive melting and severing segments while axially rotating the ware in registry with an individual one of a plurality of burner means, the improvement which resides in a plurality of burner means each comprising a pair of annular separately controlled but superimposed and abutting one-piece burners each completely encircling the ware, the lower one of which is formed with horizontally and inwardly-directed radial ports and creates a heat zone circumferentially of the ware to melt it during passage through the melting segment, and the upper one of which is formed with horizontally and inwardly-directed radial ports and intensifies said heat zone during passage of the ware through the severing segment thereby to separate the molten from the ware, the two sets of ports being in parallel planes and spaced by 0.015" or less.

2,629,206
GLASS SEVERING
James W. Giffen, Corning, and Jay C. Overmyer, Painted Post, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 1, 1949, Serial No. 107,946
6 Claims. (Cl. 49-79)



1. The method of producing a hollow glass article in a mold having an internal configuration corresponding to the outer configuration of the article to be formed, which includes forming the article from a charge of molten glass deposited in such mold solely by rotating the mold to centrifugally distribute molten glass over the walls thereof, thereafter engaging the inner surface of the formed article with a grooving member before the glass has become set and applying pressure thereto to form a groove therein along a desired line of severance as rotation of the mold and article is continued, and thereafter extracting heat at different rates from the portions of such article on opposite sides of the groove to thereby establish a temperature gradient between the opposite sides of the groove to effect its severance along such groove.

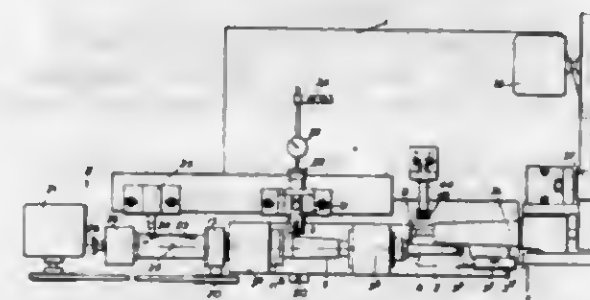
2,629,207
PLATE BLASTING MACHINE
Willie I. Gladfelter and Ralph R. Garver, Hagerstown, Md., assignors to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application October 9, 1950, Serial No. 189,210
15 Claims. (Cl. 51-15)



11. In a wet abrasive-particle blasting apparatus, an enclosed housing, a wall surface in

said housing, an uncovered loading port formed in said wall surface, a work carrier positioned within said housing adjacent said port but spaced therefrom at all points to form a continuous uncovered gap between said carrier and said wall all around the periphery of said port, blasting means including abrasive particles and liquid supply elements positioned within said housing on the side of the carrier opposite to the side facing said port, for projecting a slurry of abrasive particles at said carrier, and suction means connected to the interior of said housing for producing an air current stream from outside the housing through said port and said gap to the interior of the housing, said air current opposing and preventing egress of debris and abrasive particles from said housing through said uncovered port.

2,629,208
MACHINING OF TURBINE OR AXIAL COMPRESSOR BLADES
George Charles James Legg, Brentford, and Charles Murray Mitchell, Heston, England, assignors to D. Napier & Son Limited, London, England, a British company
Application January 8, 1952, Serial No. 265,504
In Great Britain August 28, 1950
8 Claims. (Cl. 51-101)

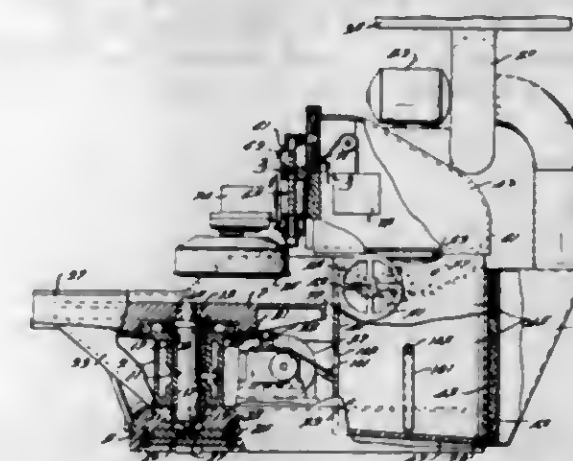


1. Apparatus for forming twisted blades comprising a blade support for a blade to be formed, a suitably profiled former mounted on said blade support, a tool support for a machine tool for shaping the blade, a follower mounted on said tool support and co-operating with said profiled former, the two supports being arranged to be capable of movement relative to one another in a direction transverse to the longitudinal axis of the blade, means for imparting a reciprocating motion to the blade support in a direction parallel to the longitudinal axis of the blade, means for simultaneously imparting an oscillating movement about a longitudinal axis to the blade support in-phase with the reciprocating movement, so as to impart to the blade and profiled former a combined reciprocating and oscillating movement corresponding to the twist of the blade, and means for superimposing on the relative oscillating and reciprocating movement a rotary feed movement to bring successive areas of the blade and profiled former into contact respectively with the tool and follower.

2,629,209
CORE GRINDING MACHINE
Clarence H. Miller, Detroit, Mich., assignor to Standard Pattern Works, Detroit, Mich., a corporation of Michigan
Application June 23, 1950, Serial No. 169,865
4 Claims. (Cl. 51-131)

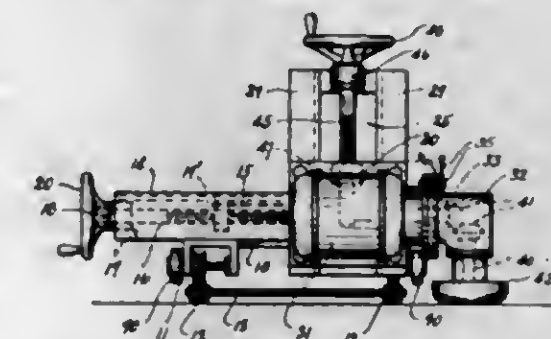
1. A machine for grinding sand cores of the type containing silica dust, including a supporting base structure, a work table rotatably supported on said base structure for supporting a

core to be ground, structure forming a hollow vertical column extending upwardly from said base structure adjacent said work table, a housing, means supporting said housing for movement on the upper portion of said vertical column, means connected with said housing for supporting a grinding wheel in position for engagement with a core on the work table, the wall portion of said vertical column adjacent said work table having an inlet opening therein, a wall portion of said vertical column spaced from said first opening having an outlet opening therein, said vertical column providing, between



said openings, a receptacle for sand ground from said core, means closing the upper end of said vertical column above said openings to prevent sand from passing upwardly into said housing, filter means closing said outlet opening of the type which will permit silica dust to pass there-through and prevent sand from passing there-through, and exhaust blower means connected with said receptacle openings for drawing sand ground from a core through said first opening and into the receptacle and for drawing silica dust through said filter means, while the sand remains in the receptacle.

2,629,210
SURFACE FINISHING MACHINE
Albert P. Robinson, Seattle, Wash.
Application March 20, 1950, Serial No. 150,575
2 Claims. (Cl. 51-177)



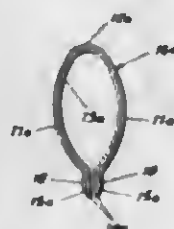
1. A surfacing means comprising a portable, unitary track adapted for support on a floor, a base frame mounted on the track for guided travel therealong, a horizontal guideway on said base frame directed transversely of the track, a bed plate secured in and adjustable along the said guideway, a standard mounted on said bed plate for turning thereon about a vertical axis, a vertical guideway on the standard substantially offset from the said vertical axis, a motor mounting plate movable in the vertical guideway, a motor fixed to the said plate, a shaft movable

with and driven by the motor, and a surfacing tool supported from the motor housing and having a driving connection with the drive shaft and adapted to be positioned at a selected working level by vertical adjustment of the motor mounting plate, and said motor being adapted to be moved from and toward the track by adjustment of the said bed plate along its guideway, and said tool being adapted to be swung in an arcuate path by turning of the standard about said vertical axis on the bed plate.

2,629,211

RAZOR BLADE EDGE STRAIGHTENER

Edward M. Tierney, Washington, D. C.
Application August 12, 1950, Serial No. 179,035
2 Claims. (Cl. 51-186)



1. An improved razor blade edge straightener capable of being completely wet with water or the like without suffering deterioration comprising a substantially U-shaped integral holder of rust-proof material comprising a pair of jaws and a bent-over portion for connecting said jaws and for normally holding their free edges in spaced apart relation, a layer of rubber secured directly to the inner faces of said jaws and said bent-over portion, and a water-proof adhesive for securing said layer to said jaws and bent-over portion, said jaws and bent-over portion being integral and their inner faces being uninterrupted throughout their entire areas, said layer of rubber being of substantially the same shape as said jaws and bent-over portion and having a width substantially the same as that of the holder and having a length slightly greater than that of the holder, whereby the layer is formed into a main body portion lying within the confines of the holder and free edge portions extending outwardly beyond the free edges of the jaws of the holder, the inner and outer surfaces of the main body portion of the layer being uninterrupted, whereby the inner surface of the main body portion of the layer of rubber and the inner surface of the holder intimately engage one another throughout their entire areas so as to present to the water a minimum amount of exposed joint area for loosening attack by the water, the extended free edge portions of the layer being unattached to said jaws to be free to be bent over the free edges of the jaws by the razor blade during the use of the device to protect the blade from the free edges of the jaws.

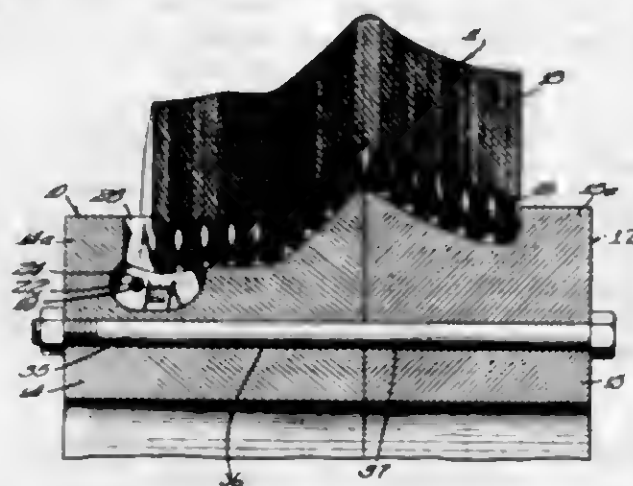
2,629,212

BUFFING WHEEL AND METHOD OF MAKING THE SAME

George Albert Lyon, Detroit, Mich.
Application November 22, 1949, Serial No. 128,780
6 Claims. (Cl. 51-193)

1. A surface-treating assembly comprising a first core section having an axial aperture therethrough and an axially extending upwardly inclined surface that has a highest point adjacent one end face of said first core section, an elongated strip of surface-treating material, means for securing one end of said material to said first core section at a point spaced from said one end

face, a second core section having an axial aperture arranged to be aligned with the aperture of said first section on a common spindle, said second core section having an axially extending upwardly inclined surface with the highest point

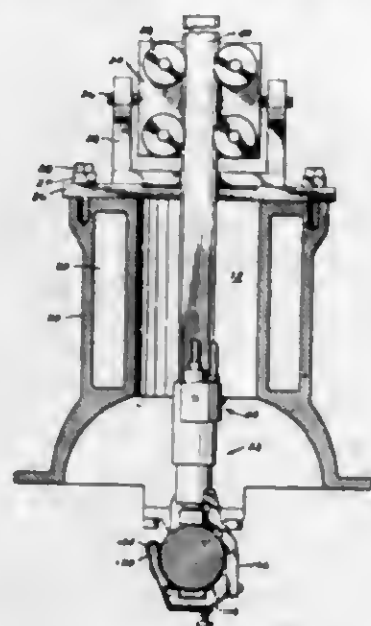


adjacent the end face of the second core section that abuts said one end face of said first core section, means for securing the other end of said strip on said second section adjacent the low end of said surface.

2,629,213

CRANKSHAFT GRINDING DEVICE

Elmer A. Fugle, Winona, Minn., assignor to Winona Tool Manufacturing Company, a partnership
Application June 3, 1950, Serial No. 165,941
6 Claims. (Cl. 51-241)



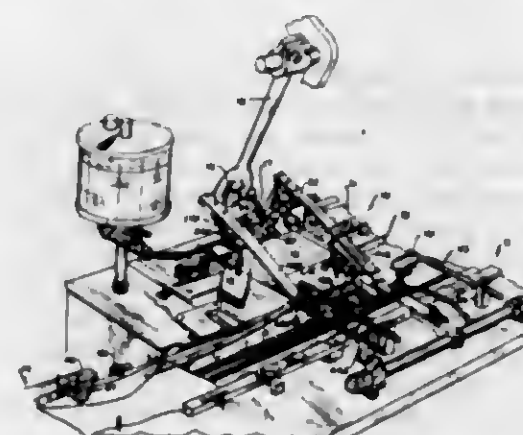
1. A device for grinding the crank pins of a crankshaft while positioned in an engine block, comprising a driven shaft supporting a cylindrical grinding wheel with its flat end face tangent to a crank pin and on the side thereof toward the engine cylinder, a bearing member having an eccentrically disposed bore forming a support for the shaft, a casing engaging the outer surface of the bearing member, clamping means carried by the casing and engaging the crank pin on a side opposite the grinding wheel whereby the casing and its associated parts reciprocate with the crank pin when the crankshaft is rotated, a guide rod extending into the cylinder and pivotally connected to the casing, guide means supported on the engine block and engaging the guide rod and arranged to permit sliding of the

guide rod longitudinally of the cylinder, a first manually operable means journaled in the casing and connected with the bearing member for rotating the same about its central axis to arcuately move the grinding wheel in a plane parallel with the axis of the crank pin, and a second manually operable means journaled in the casing and connected with the bearing member to move said member in a plane perpendicular with the axis of the crank pin.

2,629,214

INSERTING AND SEALING MACHINE

Ernest McVey, Denver, Colo.
Application June 23, 1950, Serial No. 169,953
4 Claims. (Cl. 53-136)
(Granted under Title 35, U. S. Code (1952), sec. 266)



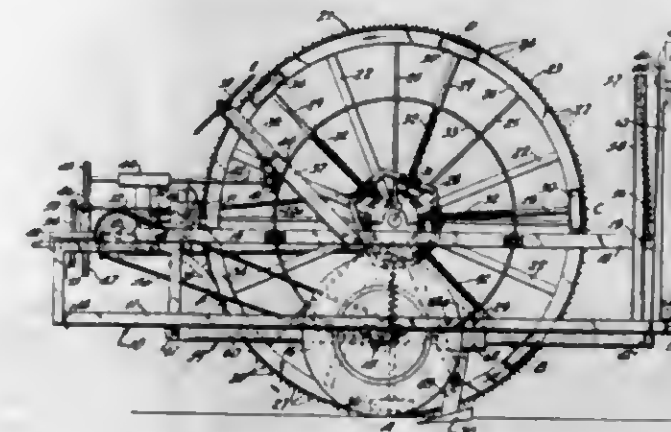
1. In an envelope handling machine of the type having an insert carrying platen, means for successively transporting inserts onto the platen to an insert receiving station thereon, means for transporting envelopes to an inserting station adjacent a longitudinal edge of the platen and for disposing a portion of the flap of an envelope below the platen with the envelope aligned with the insert, means for engaging the end folds on the inside of the envelope disposed at the inserting station, means for separating opposite panels of the envelope, a pair of spaced reciprocable insert pusher fingers adapted to engage the rear edge of an insert lying on the platen and to move it into the opened aligned envelope, a pivotally supported pusher finger return guide having a free end adapted to engage the platen at a point between the insert receiving station and the inserting station, and means for closing the flap at a station beyond the inserting station and prior to transportation of a stuffed envelope to a deposit station, the improvements in combination with said machine, comprising: a guide disposed adjacent the platen between the pusher fingers and adjacent the insert receiving station adapted to engage the rear edge of the insert being transported to the insert receiving station and guide same to the insert receiving station with the longitudinal axis of the insert aligned with a longitudinal axis of the platen, means carried by one of the pusher fingers adapted to engage the return guide and lift the free end thereof above the platen during substantially the entire movement of the insert from the insert receiving station to the inserting station, means on the platen adjacent the inserting station adapted to engage the envelope flap closely adjacent the flap fold to permit an insert to pass over the fold without obstruction, means adapted to engage the rear panel of the envelope adjacent opposite end folds thereof to limit separation of

the ends of the envelope panels, and means disposed between the means for closing the flap, and the deposit station, for preventing a flap from opening and for guiding an envelope beneath the lowermost envelope at the deposit station with said flap disposed flat and symmetrical on the rear panel.

2,629,215

SUGAR BEET HARVESTER AND TOPPER

Robert L. Bowman, Chaska, and Henry Meyer, Prinsburg, Minn.
Application March 2, 1949, Serial No. 79,276
8 Claims. (Cl. 55-108)



1. In a beet harvester, a rotary wheel-like beet pick-up assembly adapted to traverse a row of beets, said assembly including a portion having a plurality of radially extending pick-up teeth thereon, a pair of laterally spaced beet engaging devices supported by said assembly for rotation therewith, a beet topper supported adjacent the periphery of said pick-up assembly at a point above the ground engaging zone of said pick-up assembly, a ground shoe located below said pick-up assembly and positioned to loosen the ground beneath said assembly in the ground engaging zone thereof, at least one of said laterally spaced beet engaging devices being shiftable laterally relative to the other, mechanism associated with said shiftable beet engaging device to move the same toward and away from the other beet engaging device, said mechanism being operative to positively and continuously urge said movable beet-engaging device to a position adjacent the other beet-engaging device throughout the arc through which said devices move while passing from their initial beet-engaging position to and through topping position, and said mechanism being further operative to shift said movable beet-engaging device away from the other beet-engaging device after passing said topper.

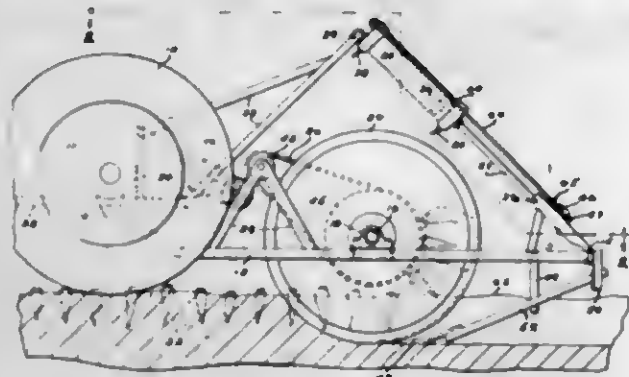
2,629,216

VEGETABLE DIGGER

Howard J. Ruetenik, Orwell, Ohio
Application March 18, 1950, Serial No. 150,371
6 Claims. (Cl. 55-108)

1. A vegetable digger comprising a frame adapted for pivotally mounting on a motive source for moving down into and up out of a digging position and for varying the digging depth, a pair of spaced earth-cutting discs rotatably mounted on said frame for rotation about a common generally horizontal axis, said discs having mutually facing parallel inner faces extending perpendicular to said axis for straddling a row of growing vegetables when in digging position, said discs having sharpened circular peripheral cutting edges for cutting a pair of

spaced slots in the earth when in digging position as the digger is advanced, and a cutting blade means secured to said frame and having a cutting edge located between said inner faces of said discs, said cutting edge being located approximately vertically below said axis and in the earth when in digging position, said cutting edge being located approximately the same distance from said axis as said peripheral cutting edges for forming simultaneously with the cutting of said spaced slots a generally transverse cut cross-wise in the ground between the bottoms of said



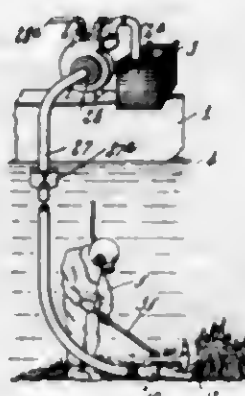
spaced slots for shearing off a vegetable-bearing earth strip so that rotation of said discs caused by rolling contact with the earth during forward travel of said digger will carry the vegetable-bearing earth strip cut by said discs and said cutting edge upwardly away from said cutting blade means and above said axis by adhesive contact of the earth strip with the inner faces of said discs, whereby said digger can dig said vegetables without making contact on said vegetables by either said discs or said cutting blade means.

2,629,217

HARROW WITH YIELDING TOOTH BARSEmil H. Kuehn and Tilden M. Larson;
Mazeppa, Minn.Application January 27, 1947, Serial No. 724,598
1 Claim. (Cl. 55-131)

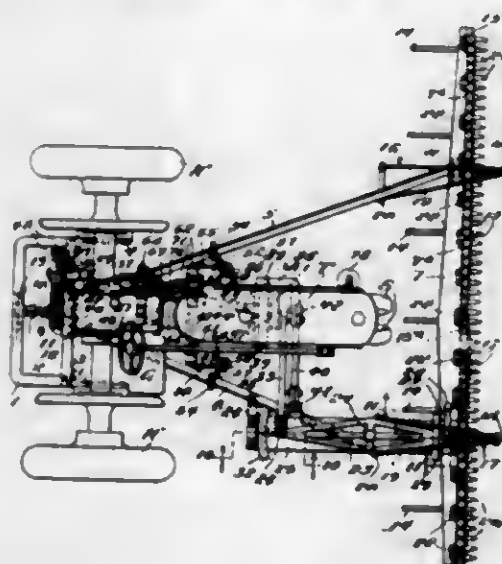
A drag harrow comprising a frame having a plurality of transverse pivoted rockable bars, teeth carried by said bars and swung rearwardly when said bars are rocked, arms fixed to said bars and adapted to hold said bars in selected rockable positions, a connecting bar for said arms, a lever pivoted to said frame, a coil spring connecting the lever to the connecting bar to exert tension against the connecting bar and arms for preventing said tooth bars from rocking, latch means for securing the lever in different adjusted positions, and a stop carried by the frame for engaging one of the arms and providing for said spring being variably tensioned in the different adjusted positions of said lever to variably tension said teeth against swinging.

2,629,218
MARINE HARVESTER WITH CONVEYER
John P. Smith, Weymouth, Mass.
Application July 27, 1948, Serial No. 40,908
4 Claims. (Cl. 56-9)



1. A marine vegetation harvesting machine comprising a conduit having an open forward end, vegetation cutting means located adjacent to the lower portion of said open end, a pump having its intake connected to the rear end of said conduit to establish current flow through said conduit carrying with it material cut by said cutting means, a pipe entering said conduit back of said open end through which water is drawn by said pump, fluid current operated means in said pipe in position to be operated by the passage of water through said pipe, and driving connections between said fluid current operated means and said cutting means.

2,629,219

FRONT MOUNTED TRACTOR MOWERWesley W. Hooley, Hammett, Idaho
Application August 3, 1948, Serial No. 42,210
2 Claims. (Cl. 56-25)

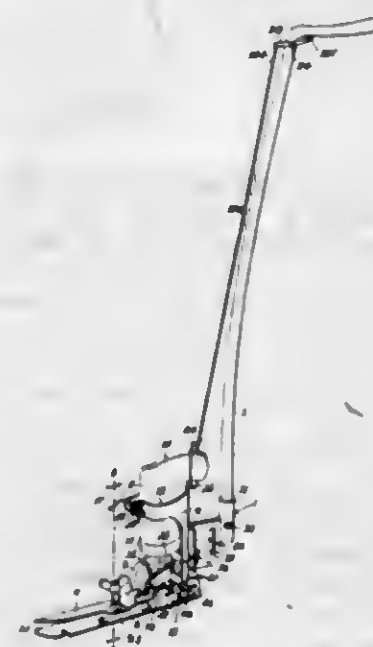
1. A mower attachment for a tractor comprising a horizontally disposed drawbar arranged transversely at the rear of the tractor and secured thereto, a pair of diverging radius rods having their rear ends defining an apex, a ground engaging member extending forwardly from the front portion of one of said radius rods and arranged parallel to the longitudinal axis of the tractor, a ball and socket joint connecting said apex with said drawbar, a cutter bar arranged forwardly of said tractor and extending transversely between the other of said radius rods and said ground engaging member, a plurality of

spaced parallel arcuate shoes arranged along the lower surface of said cutter bar, a vertically disposed bar extending upwardly from each of said radius rods, said bars being provided with a plurality of spaced openings in their upper portions for receiving a securing element, a pair of crank arms mounted on said tractor and having sliding engagement adjacent their ends with said bars, a coil spring circumposed on the upper portion of each of said bars and bearing against said securing element and against said crank arms, and manually operable means connected to said crank arms for adjusting the same and said cutter bar.

2,629,220

POWER-OPERATED CLIPPING DEVICE

Charles K. Grieder, Bangor, Pa.

Application December 30, 1947, Serial No. 794,660
3 Claims. (Cl. 56-26.5)

1. A power actuated edge trimmer comprising a frame, motor mounting means on the frame, a stationary shear blade extending from one side of the frame, a movable shear blade to coact with the stationary shear blade, pivot means adapted to support the movable blade with respect to the stationary for shearing action therewith, supporting means for the trimmer to hold the blades above a surface, and resilient means to urge the blades together, the pivot means including a projecting portion on one blade and a cooperating recess on the other blade to provide a bearing surface, the resilient means permitting a spacing of the blades greater than the distance the projecting portion extends into the recess, whereby the blades may be spread by a foreign object for its passing without damage to the blades.

2,629,221

COTTON STRIPPING COMB

John D. Rust, Pine Bluff, Ark.

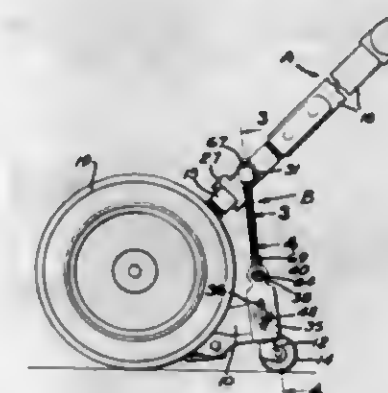
Original application February 24, 1947, Serial No. 730,437. Divided and this application September 22, 1949, Serial No. 117,092
11 Claims. (Cl. 56-41)

1. In a cotton picker having horizontal rows of picking spindles, a cotton stripping comb having a vertical support, a set of superposed ribs secured to said support, a stripping bar holder secured to each rib in spaced parallel relation therewith, a pair of stripping bars floatably mounted between each of said holders and ribs,



ments secured to the entrant end of said holders and tapered deflector blades secured to said holders and diverging outwardly at the delivery end of said stripping bars, each of said ribs adjacent said support and opposite said deflector blades having cutout portions defining air vent openings, said stripping bars being held against longitudinal movement by said deflector blades and said spindle directing elements.

2,629,222

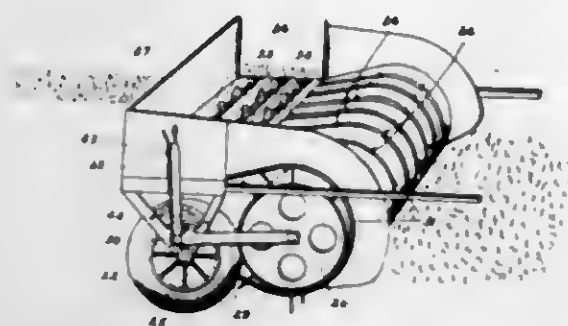
GROUND ROLLER HOLD-DOWN ATTACHMENT FOR LAWN MOWERSJames Benjamin Johnston, Oklahoma City, Okla.
Application April 17, 1951, Serial No. 221,401
5 Claims. (Cl. 56-249)

1. A ground roller hold-down attachment for lawn mowers provided with a side plate and a handle iron; said attachment including a lower bearing support; an upper bearing support; first securing means for securing said lower bearing support to said side plate; second securing means for securing said upper bearing support to said handle iron with said upper support adjacent and above said lower support; a bearing carried by each support; a stub shaft for each bearing; an abutment fixedly carried by each shaft exteriorly of its associated support; expansible resilient means bearing against each abutment; and holding means holding said resilient means in contact with said abutments.

2,629,223

SIDE DELIVERY RAKE

Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 13, 1946, Serial No. 676,428
7 Claims. (Cl. 56—376)

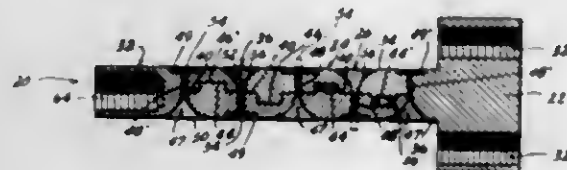


1. A side-delivery rake comprising a carriage having two laterally spaced coaxial supporting ground wheels, a rotary rake mounted on said carriage having radially extending teeth, rotatable about an axis parallel to and in advance of the ground wheel axis, and means for rotating said rotary rake in a direction opposite to that of the ground wheels comprising a driven rotor rotatable with the rotary rake and engageable and disengageable with respect to one of said ground wheels, the sum of the radii of the rake and a wheel being greater than the distance between said ground wheel axis and said rake axis and the distance between said axes being greater than the radius of a wheel.

2,629,224

LINK POST CONSTRUCTION FOR BINDERS

Pete O. Derringer, St. Louis, and Rooney W. Davis, Webster Groves, Mo., assignors to Loose Leaf Metals Co., St. Louis, Mo., a corporation of Missouri
Application December 21, 1949, Serial No. 134,280
14 Claims. (Cl. 59—78)

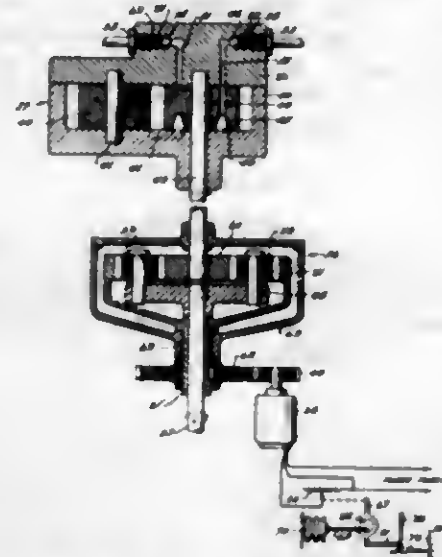


1. Link post construction comprising, in combination, a rider block, a plurality of "half bean" links which include a flat surface and a flattened half oval surface, the peripheries of said two surfaces being identical, said links cut along their longitudinal axis, positioned in two opposed rows with the flat sides contiguous and with the links of opposed rows overlapping, and retainer caps securing said links to each other and to said rider block, there being a retainer cap between each end to end pair of links anchored in the opposed link, said links being pivotally connected and secured chainwise to each other to prevent any sliding action of the "half bean" links relative to one another other than a relative rotation through said pivotal connection and to said rider block.

2,629,225

PULSE FLOW FUEL INJECTION SYSTEM FOR TURBOJET ENGINES

Rolf M. Ammann, Patterson Field, Ohio
Application March 8, 1948, Serial No. 13,733
3 Claims. (Cl. 60—35.6)
(Granted under Title 35, U. S. Code (1952), sec. 266)



3. A fuel injection system for use in a turbojet engine having a plurality of combustion chambers therein comprising a plurality of fuel injection nozzles extending into each combustion chamber at the upstream end thereof, each of said nozzles having an injection aperture and a spring biased member normally closing the aperture, a fuel distributor operatively associated with said injection nozzles and having a rotatably mounted member with a fuel distributing passage therethrough, means providing a continuous connection between said passage and a source of liquid fuel under pressure, a relatively stationary distributing plate arranged contiguous to said rotatably mounted member and having a plurality of passages therethrough each adapted to be consecutively aligned with the fuel distributing passage, fuel distributing conduits, each connecting one of said plurality of passages and a plurality of single nozzles, each in separate spaced combustion chambers whereby the respective connected nozzles will be simultaneously and sequentially operated to maintain continuous combustion.

2,629,226

HYDRAULIC POWER ALIGNING MECHANISM

Reginald Alexander Polson, Manchester, England, assignor to Metropolitan Vickers Electrical Company Limited, London, England, a company of Great Britain, and Vickers-Armstrongs Limited, London, England, a company of Great Britain

Application September 26, 1946, Serial No. 699,432

In Great Britain April 28, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires April 28, 1963

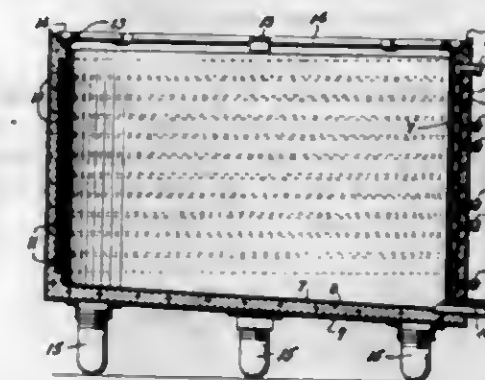
13 Claims. (Cl. 60—53)

12. In a hydraulic power aligning mechanism including a movable directing member, a movable object to be aligned with said directing member, a hydraulic motor driving said movable object, a first control means directly controlling the supply of operating liquid to said motor, and a second control means for actuating said first control means in accordance with the misalignment of said movable object with respect to said directing member so that said motor produces a torque tending to reduce said misalignment to zero, the improvement which includes in com-

2,629,226

REFRIGERATOR TANK

Henry C. Bergmann, South Gate, Calif.
Application April 4, 1949, Serial No. 85,435
1 Claim. (Cl. 62—7)

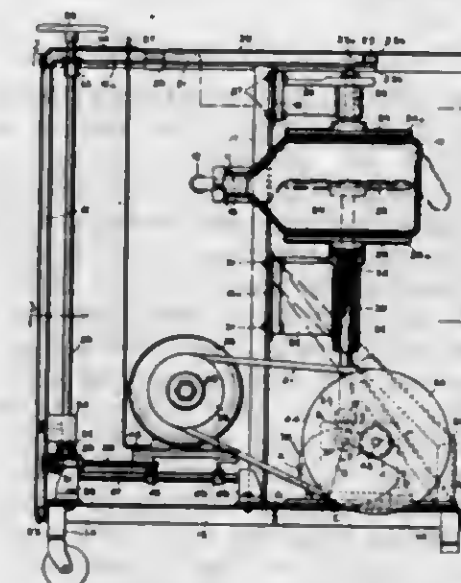


A cooling tank for milk and the like having a double wall with an inwardly beveled annular cover top, an open annular trough to receive milk mounted on said beveled top and having discharge ports in its bottom directed on to said beveled top to flow down along the inner wall of said tank, a plurality of separate pipe coils of flat form in cross section between said double walls and bearing on and around the inner wall one above the other for cooling it, separate supply and return pipe connections for each coil for directing refrigerant fluid through said pipe sections for cooling the inner wall of said tank with separate quantities of fluid for each coil, an expansion valve with thermostat control interposed between the source of supply of fluid and said supply pipe connections, and means for drawing off the cooled milk from said tank.

2,629,227

ARTIFICIAL BREATHING MACHINE

Kenneth B. Wolfe, Willoughby, Ohio
Application September 20, 1950, Serial No. 185,756
6 Claims. (Cl. 60—62.6)

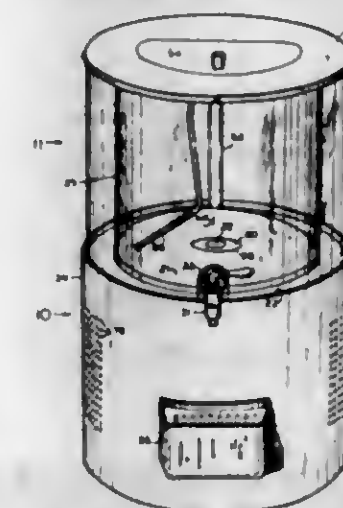


1. An artificial breathing machine comprising a flexible bag having an outlet, a frame, a pair of abutments on said frame on opposite sides of said bag, means mounting at least one of said abutments for movement toward and away from the other of said abutments, a cam having an operative connection with said movable one of said abutments, drive means operatively connected with said cam for rotating it, and said cam having a contour controlling movement of said bag to reproduce in said system the pressure pattern of an inhaling-exhaling cycle of the human lungs.

2,629,228

CONTROLLED TEMPERATURE BEVERAGE COOLER AND DISPENSER

Robert R. Hull, Pasadena, Calif., assignor to Sun-kist Growers, Inc., a corporation of California
Application September 6, 1949, Serial No. 114,248
6 Claims. (Cl. 62—7)

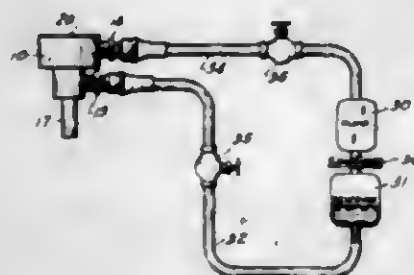


1. In a dispenser having a beverage container, a refrigerated cold plate supporting said container through contact with the bottom thereof, refrigerating mechanism for cooling said cold plate, said cold plate having an opening therein, temperature responsive control means for said refrigerating mechanism including a control bulb located in said opening in a position to contact the bottom of said container, and thermal in-

sulation surrounding said control bulb to support the latter adjacent the cold plate substantially in the plane thereof and thermally insulate it therefrom so that the control responds primarily to the temperature of the contents of the container rather than to the temperature of the cold plate.

2,629,230

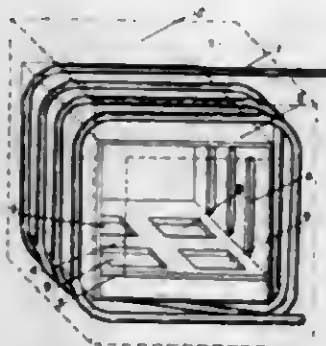
REFRIGERATED TABLE FOR MICROTOMES
Cecil Randolph Turner, Cleveland, Ohio, assignor to Maurice J. Bishko, Cleveland, Ohio
Application July 28, 1950, Serial No. 176,267
4 Claims. (Cl. 62-11)



1. A refrigerated table for microtomes, comprising in combination, a vapor tight expansion chamber having top, bottom and side walls, the said top wall being heat conductive and having a plane upper surface adapted to support tissue to be frozen, a solid conical diffuser positioned centrally of the underside of the top wall and formed integral therewith, the mass of said cone being greater than the mass of the top wall exclusive of that area immediately above the cone, means for projecting a jet of liquid refrigerant against the said solid conical diffuser, and means for maintaining the pressure of the chamber below that of the introduced liquid refrigerant so that the liquid refrigerant will be caused to pass into its vapor phase thereby absorbing heat from the chamber top wall.

2,629,231

MILK CHUTE REFRIGERATOR
Frank Malek, Shaker Heights, Ohio
Application March 5, 1949, Serial No. 79,748
1 Claim. (Cl. 62-99)

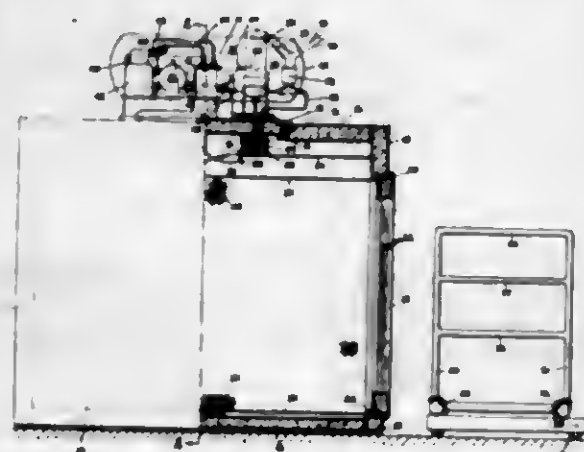


A device of the character described comprising a unit of box-like form and having the opposite ends thereof open, the lower wall of that unit forming the base and having a floor member disposed above said base in a plane parallel with the base, said floor having a number of rectangular openings of uniform size and equally spaced apart therein; a member movably supported within each of said openings by means of spiral springs disposed between said members and said base, said springs adapted to be compressed downwardly by reason of a weight placed on said member, electrical contact means said members when

pressed downwardly being adapted to operate the last mentioned means for closing an electrical circuit, said unit disposed within an inclosing means of similar form and having insulated walls, coils consisting of an endless pipe disposed around the said unit between same and the said walls, door hingedly attached on the ends of the said inclosing means and adapted to close said ends and provide means of access to said unit, said doors maintained in a closed position by means of a horizontal rod extending between the opposite walls of said inclosing means and movably supported in said walls, one end of said rod extending outwardly from one of said walls to provide a handle means for operating said rod, and the outer of said doors provided with a window through which a signal operated by the said rod may be viewed.

2,629,232

PROCESS AND APPARATUS FOR AGING MEATS AND STORING VEGETABLES
Allen Latham, Jr., Jamaica Plain, Mass., assignor, by mesne assignments, to Hodges Research and Development Company, San Francisco, Calif., a corporation of California
Application October 27, 1947, Serial No. 782,348
10 Claims. (Cl. 62-102)



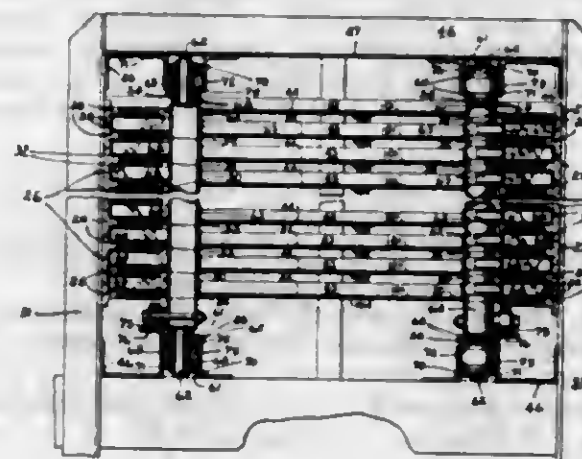
5. In apparatus as defined and particularly for the aging of meat or the preservation of vegetables including an enclosure having insulated side walls, insulated end walls, an insulated top and an insulated bottom, an opening in said insulated top, an insulated closure for said opening, a refrigerating system mounted on said closure, refrigerating coils in said refrigerating system supported beneath said closure and extending into said enclosure, a fan carried by said closure for circulating air over said coils, a porous wall spaced from each of said side walls and extending from said rear to said front walls, an air duct leading from said coils to the space between one of said side walls and the adjacent porous wall and a second air duct leading to said fan from the space between the other of said side walls and the adjacent porous wall.

2,629,233

FOOD FREEZING APPARATUS
John C. Olsen, Campbell, and Theodore A. Dungan, Los Altos, Calif., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
Application February 24, 1948, Serial No. 10,286
12 Claims. (Cl. 62-114)

1. Refrigerating apparatus comprising an enclosure having a plurality of inwardly directed

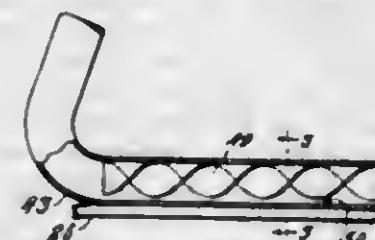
horizontal shelves arranged to form a number of superposed compartments each having input and output apertures, said enclosure being of such conformation that said input and output apertures are located adjacent to one another, channels extending through said shelves for the flow of a cooling medium and having inlet and outlet ports, a number of manifolds disposed horizontally above said compartments, distributor pipes each leading from said inlet manifolds to one of said inlet ports, a number of outlet manifolds disposed vertically beside said enclosure, discharge pipes leading from said outlet ports to said outlet manifolds, feed ramps attached to



said shelves at the input apertures of said compartments, discharge ramps attached to said shelves at the output apertures of said compartments, an endless conveyor belt extending around vertical axes and situated completely within said enclosure, horizontal rows of pusher arms supported from said belt in horizontal alignment with and extending radially into said compartments, means for turning said belt in a direction from said feed ramps to said discharge ramps, and means adapted to automatically set said arms at right angles relative to the inner edges of said shelves during operation of said belt.

2,629,234

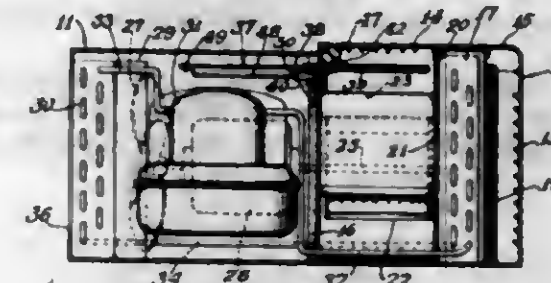
ABSORPTION REFRIGERATION
Charles A. Miller, Victor G. Dreier, and William Gilchrist, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 8, 1947, Serial No. 790,368
5 Claims. (Cl. 62-119.5)



1. A refrigerating system including a conduit for flow of liquid and gas therethrough, said conduit comprising a generally round tube, and a helical insert in said tube for lengthening the path of flow of gas therethrough, said tube being distorted sufficiently out of round to form a shallow channel throughout the length of the tube beneath said helical insert, the latter being formed to fit within said tube above said channel in any degree of rotation of the insert relative to the tube.

2,629,235

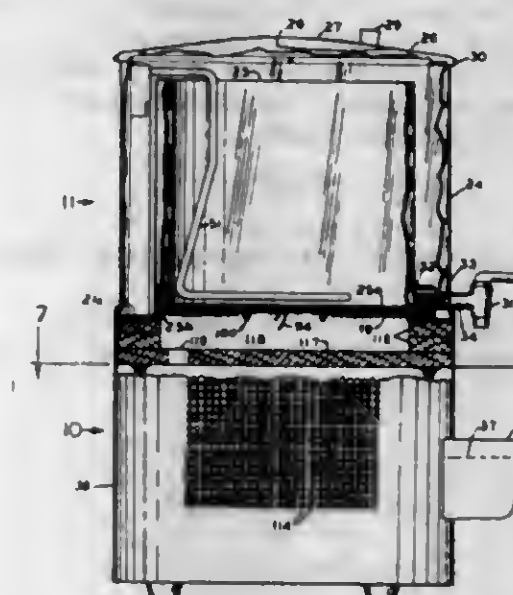
AIR CONDITIONER EVACUATION DAMPER
Arvel R. Harris, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application December 9, 1950, Serial No. 200,079
8 Claims. (Cl. 62-129)



1. In an air-conditioning apparatus: an air chamber having a first outlet adapted to provide for the discharge of air into a room, and a second outlet adapted to provide for the discharge of air out of the room; refrigerating means operable to condition the air in said chamber; a damper structure movable to close either of said outlets; said damper comprising a vertically extending member disposed so as to close said second outlet when said first outlet is opened, and a horizontally extending member disposed so as to close said first outlet when said second outlet is opened.

2,629,236

REFRIGERATED BEVERAGE DISPENSER
Robert R. Hull, Pasadena, Calif., assignor to Sun-kist Growers, Inc., a corporation of California
Application May 19, 1949, Serial No. 94,171
5 Claims. (Cl. 62-141)

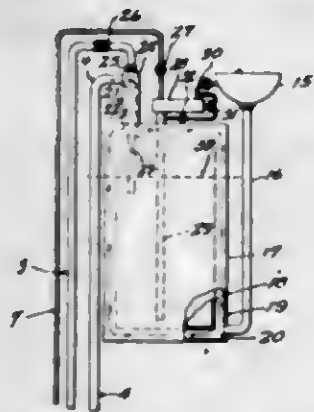


2. A beverage dispenser including an agitator, a refrigerating system, electrically operated mechanisms for driving said agitator and said refrigerating system, and a line switch operable when said agitator is in normal position to close the power circuit to said electrically operated mechanisms and operable when said agitator is moved to an abnormal position to open the circuit and interrupt the power supply to said electrically operated mechanisms, said agitator being substantially Z-shaped and having a substantially horizontal lower leg closely adjacent the bottom of a beverage container for oscillation in

a plane parallel thereto, said lower leg of said agitator being orbiculate in cross section so that in the event ice is formed in the bottom of the container the agitator may cam itself upwardly through contact therewith, whereupon the line switch may operate to interrupt the power supply.

2,629,237 CHILLED WATER DISTRIBUTION SYSTEM AND MEANS

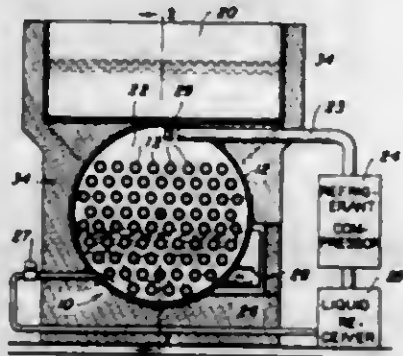
Paul S. Carnes, Los Angeles, Calif., assignor by decree of distribution to Wilma P. Carnes
Application June 30, 1949, Serial No. 102,190
4 Claims. (Cl. 62-141)



4. A chilled water distribution means including a heat exchanger for receiving non-refrigerated water, a drinking water station remote from said heat exchanger, a blender at said drinking water station, a jacketed storage tank connected to said blender, means for delivering non-refrigerated water from said heat exchanger to said storage tank, means for delivering refrigerated water to said blender, a bubbler at said station, a connection between said blender and said bubbler for conducting mixed refrigerated and non-refrigerated waters to said bubbler, and a connection between said bubbler and the jacket of said jacketed storage tank whereby refrigerated waste water is delivered from said bubbler to the jacket of said jacketed storage tank for initially cooling the water in said storage tank.

2,629,238 EVAPORATOR AND REFRIGERATION SYSTEM

Casper W. Merrill, Logan, Utah
Application May 23, 1949, Serial No. 94,793
4 Claims. (Cl. 62-158)

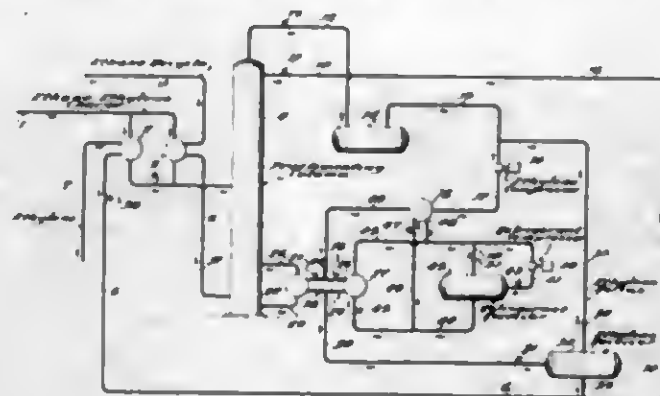


1. In a refrigeration system utilizing a fluid refrigerant and having a closed conduit circuit for said refrigerant which circuit includes a compressor and a fluid reserve chamber; an evaporator assembly forming part of the fluid refrigerant circuit, said assembly comprising, in combination, a tubular heat exchanger made up of a hori-

zontally disposed and elongate housing containing a plurality of longitudinally disposed tubes arranged in closely spaced relationship lowerly in the housing so as to leave an open accumulator zone for gaseous refrigerant along and within the upper part of the housing, said heat exchanger being connected in said circuit so that liquid refrigerant enters the housing at the bottom thereof and the gaseous discharge from the housing leaves at the top thereof; means defining a closed channel circuit for brine, said circuit including the said plurality of tubes and a product freezing tank having a brine capacity greater than the combined brine capacities of the other portions of said brine circuit; insulating material substantially isolating said tank from said heat exchanger; circulating means within said brine circuit; and control means for maintaining the fluid refrigerant at a predetermined level within said heat exchanger housing.

2,629,239 SEPARATION OF CLOSELY BOILING FRACTIONS FROM A BINARY MIXTURE

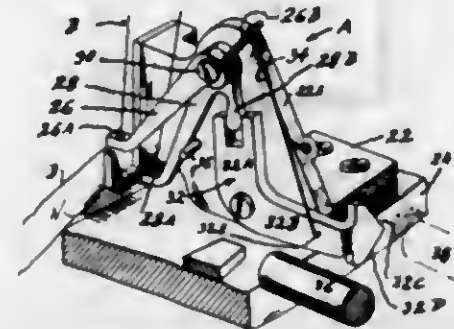
James E. Gantt, Elmwood Park, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 26, 1949, Serial No. 112,634
8 Claims. (Cl. 62-175.5)



1. An improved method of separating and recovering fractions having a low relative volatility from a binary mixture, which comprises, cooling said mixture and subsequently introducing the cooled mixture at a relatively low fractionating pressure to a fractionating and separating zone, fractionating said mixture in said zone in the presence of a cold reflux stream of the lower boiling fraction which is obtained as hereinafter described, discharging the higher boiling fraction from the lower portion of the fractionating zone, withdrawing a stream of the lower boiling fraction from the upper portion of said fractionating zone, compressing the latter fraction to a substantially higher superatmospheric pressure and effecting the heating thereof, passing the resulting compressed stream in indirect heat exchange with the liquid phase in the lower portion of the fractionating zone and reboiling liquid therein while simultaneously cooling and condensing the compressed stream, reducing the pressure on the resulting condensed stream of the desired lighter fraction to effect a further temperature reduction and introducing the same to a receiving zone maintained at the reduced pressure and therein separating gas from liquid, withdrawing resulting substantially pure liquid fraction from the lower portion of the receiving zone and returning a portion thereof to the fractionating and separating zone as said reflux stream and passing another portion thereof in indirect heat exchange with said mixture undergoing cooling as aforesaid.

2,629,240 YARN CHANGING MEANS FOR CIRCULAR KNITTING MACHINES

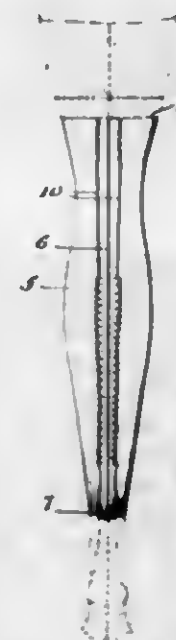
Earle Leaderman, Philadelphia, Pa., assignor to Lee-Marc Fabrics, Philadelphia, Pa., a partnership
Application February 8, 1950, Serial No. 143,060
4 Claims. (Cl. 66-50)



1. In a sinker top circular knitting machine having a plurality of knitting needles, a plurality of striping units, each striping unit having a pair of yarn feeds wherein each of said yarn feeds are synchronously actuated whereby only one yarn feed supplies yarn to said needles at one time and the second yarn feed is idle, a pivoted cam having a forked arm, one of said yarn feeds having an arm interfitting with said forked arm of said cam whereby the movement of said cam actuates the yarn feed either to yarn feeding or yarn idling position, and means connected to said cam to actuate a second feed to the converse positions of the other yarn feed.

2,629,241 HOSIERY

Walter Mueller, Clifton, N. J.
Application August 1, 1949, Serial No. 107,959
3 Claims. (Cl. 66-181)

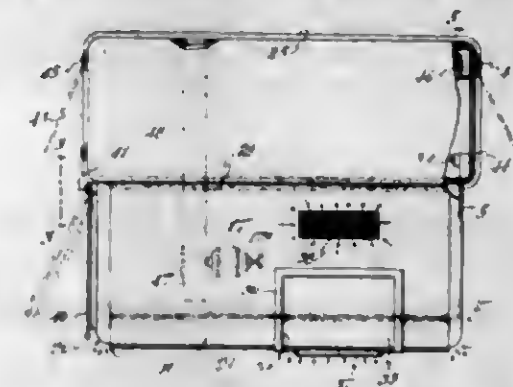


1. In an article of manufacture, a full-fashioned stocking having a rear seam extending between the heel and top of the stocking, and a pair of contour simulating mock seams extending between said top and heel and disposed in varying spaced relation on each side of said rear seam whereby to create the visual effect of a slender leg having a thin ankle when the stocking is worn on a leg which is relatively thick below the calf.

667 O. G.—57

2,629,242 VENTILATED AND AUTOMATICALLY CONTROLLED DRY CLEANING APPARATUS

Elvin E. Hallander, West Caldwell, N. J., assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware
Application March 24, 1948, Serial No. 16,826
4 Claims. (Cl. 68-19)



1. Dry cleaning apparatus comprising a washer-extractor having an opening with a closure for insertion and removal of articles, a perforate drier drum having a charging opening adjacent said opening of the washer-extractor and also having a discharging opening, a housing completely enclosing said washer-extractor and said drier drum and having front, rear, side and top walls in spaced relation to said washer-extractor and said drier drum to permit free circulation of air therearound, said housing having an opening in its front wall and a door therefor to permit manual access simultaneously to said extractor closure and to said charging opening of said drier drum so that the articles can be inserted by the hands of an operator into said washer, removed from said extractor and transferred into said charging opening of the drier drum within the housing and by the operator's hands extended through said opening in the housing, said housing also having another opening and a normally closed door therefor in juxtaposition to said discharge opening of said drier drum to permit removal of articles from said discharge opening, constantly open fresh air inlets in the walls of said housing, an outlet for foul air from the housing, suction means within the housing, having its inlet communicating directly with the interior of the housing and its discharge connected to said outlet of the housing, and means for causing continuous operation of said suction means so that when said doors are closed fresh air will be drawn into said housing through said fresh air inlets, circulated around said washer-extractor and through said drier drum and constantly exhausted from said housing through said outlet, while when said doors are open said suction means will suck fresh air into said housing through both of said doors and thus draw cleaning fluid fumes away from said door openings and out of said housing through said outlet while the articles are being handled.

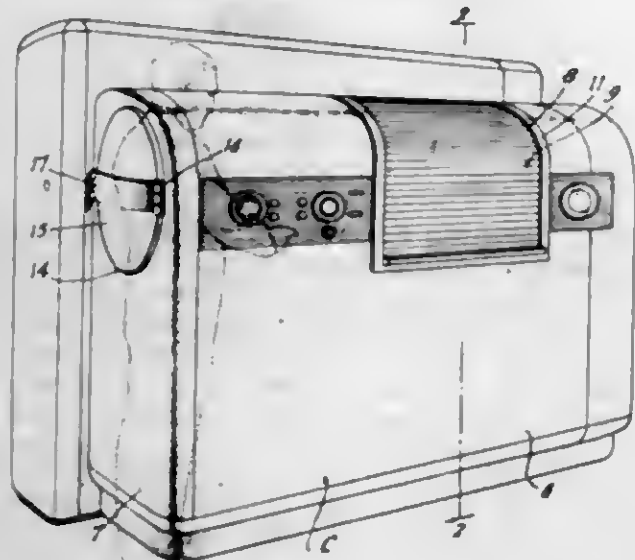
2,629,243 DRY CLEANING APPARATUS

Elvin E. Hallander, West Caldwell, N. J., assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware
Application October 7, 1947, Serial No. 778,424
3 Claims. (Cl. 68-19)

1. A dry-cleaning apparatus comprising an extractor having an opening for insertion and

removal of articles, a tumbler cylinder rotatable about a horizontal axis and having a coaxial charging opening at one end which is exposed close to said opening of said extractor so that an operator with his hands can lift articles through said extractor opening and directly transfer and deposit them into said charging opening of the tumbler cylinder, a common housing enclosing said extractor and said tumbler cylinder and having angularly related front and end walls, said front wall being disposed parallel to the axis of said tumbler cylinder, a door opening and a door therefor adjacent both said ex-

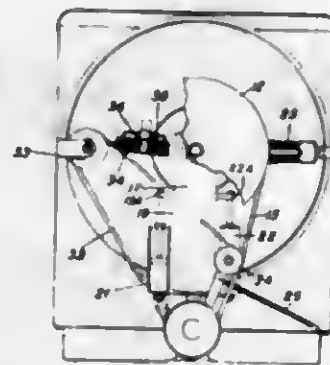
tractor opening and said charging opening of the tumbler cylinder to provide access through said door opening by the hands of the operator simultaneously to said extractor opening and to said charging opening of the tumbler cylinder, peripheral supporting and driving means for rotating said tumbler cylinder so that said tumbler cylinder and said charging opening are unobstructed throughout their areas to permit easy and quick passage of articles therethrough, and means for drawing fresh air through said door opening and around said extractor and tumbler cylinder and for exhausting foul air from the housing.



2,629,245
RECIPROCATING WASHER AND CENTRIFUGAL DRIER PROVIDED WITH SHOCK ABSORBING HYDRAULIC SUSPENSION ASSEMBLY

John W. Chamberlin, Mequon, Wis., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application November 29, 1946, Serial No. 713,191
5 Claims. (Cl. 68-24)



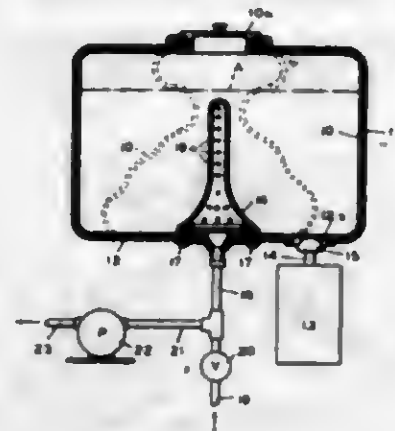
1. In a combined washing and extracting machine embodying a clothes containing cylinder mounted for rotation upon a shaft, means to rotate said cylinder at high speed for centrifuging action, a suspension assembly supporting said cylinder and shaft, a crank pulley positioned at the side of said cylinder, a connecting rod having one end thereof attached to said crank pulley and the other end thereof attached to said suspension assembly, said connecting rod comprising a liquid filled cylinder portion and a piston portion with said piston dividing said liquid filled cylinder into two chambers, a conduit which connects said chambers, a valve located on said conduit, means to close the valve to stop the flow of liquid in said cylinder from one of said chambers to the other of said chambers thereby causing said piston to remain stationary and causing the connecting rod to become rigid to act as an oscillating member, means to open said valve to permit the liquid to flow from one of said chambers to the other, thereby permitting the piston to move in said cylinder and enabling said connecting rod to be variable in length to act as a shock absorber during the rotation of said cylinder.

2,629,244
SHOCK WAVE WASHER WITH VACUUM OPERATED SQUEEZER EXTRACTOR

Henry J. Rand, Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio, a corporation of Delaware

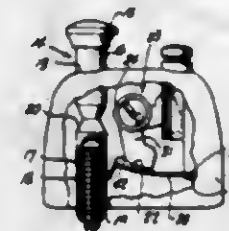
Application March 3, 1948, Serial No. 12,762
2 Claims. (Cl. 68-21)

1. A washing machine comprising a flexible walled bag adapted to hold laundry and liquid detergent and having an opening at the top and having an air-tight cover for closing said opening, said bag having a bottom wall and side walls, rigid wall means supporting said bag walls on the outside, there being an opening through said rigid wall means, a vibrator extending through said opening and engaging the exterior surface of a wall of said bag, said vibrator adapted to vibrate said engaged wall at high frequency without appreciable movement of said engaged wall, a hollow member located centrally of the bottom wall of said bag and having the hollow of said member communicating outside of said bag, and means for withdrawing liquid and air through the hollow



wardly against said laundry and to squeeze out the detergent.

2,629,246
SAFETY DOOR LATCH
Joseph M. Schumann, Inglewood, Calif., assignor of twenty-five per cent to Alta Engineering Company, Santa Monica, Calif., a limited partnership of California
Application March 7, 1949, Serial No. 80,061
10 Claims. (Cl. 70-151)



5. Locking mechanism for a vehicle body door provided with a frame having an opening therein for access to a locking linkage comprising: a casing mounted on said frame and having a bore in alignment with said frame opening; a lock operator having a finger engageable head and a cylindrical shank slidably mounted in said bore and extending through said bore and said frame opening for engagement with said locking linkage; latch receiving means formed on a medial portion of said shank; a latch mounted within said casing and movable into latching engagement with said latch receiving means; and resilient means to yieldingly retain said latch in said last mentioned position.

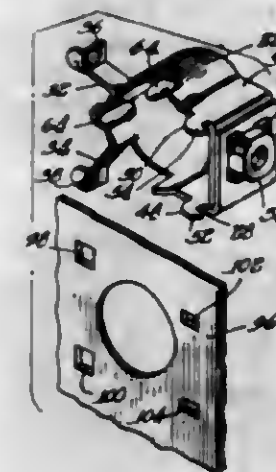
2,629,247
CYLINDER LOCK
Leo E. Deutsch, Hammond, Ind.
Application July 14, 1948, Serial No. 38,613
10 Claims. (Cl. 70-340)



9. In a lock having a casing with a bore having a pair of longitudinally extending recesses each having cam and shoulder surfaces spaced peripherally from each other over approximately a quadrant of a circle, and a barrel rotatably mounted therein; locking mechanism for preventing unlocking rotation of the barrel in either direction relative to the casing and adapted to be unlocked selectively by either of two different keys of different conformation, comprising two locking members carried by the barrel and each normally extending beyond the outer surface thereof into a said longitudinally extending recess for cooperation with a said cam surface of the casing to prevent unlocking rotation of the barrel in one direction relative to the casing, and a plurality of blocking elements normally disposed in operative position to prevent inward movement of either of said locking members by abutment of the outer side edges thereof with the inner edges of said locking members and having relief notches formed in said outer side edges at different distances from one end thereof adapted to be aligned with said locking members upon longitudinal movement of the blocking elements to re-

lief position to permit inward movement of the locking members to enable unlocking rotation of the barrel relative to the casing, whereby insertion of a first key of proper conformation into the barrel will move all of said blocking elements into relief position with relation to one of said locking members to permit unlocking rotation of the barrel in one direction, and insertion of a second and different key of proper conformation will move all of said blocking elements to different relief positions relative to the other said locking member to permit unlocking rotation of the barrel in the other direction.

2,629,248
DOOR LOCK RETAINER
Hugh Burdick, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application January 19, 1949, Serial No. 71,657
11 Claims. (Cl. 70-370)



1. A fastener for securing a cylindrical article against axial and turning movement relative to an apertured supporting plate, said fastener comprising a hardened sheet metal strip having a generally cylindrical body part for receiving the article, and laterally extending supporting foot portions adapted to pass through apertures in the supporting plate and interlock with the opposite surface of said plate, said strip having overlapped end portions outwardly of the cylindrical body portion, and means interlocking said overlapped end portions against relative separating movement.

2,629,249
CYLINDER LOCK
Bernard E. Mendelsohn, Newtown, Mass.
Application August 23, 1950, Serial No. 181,030
1 Claim. (Cl. 70-419)

A cylinder lock of the type described having an inner cylinder fitting in a bore of an outer cylinder and adapted to be rotated therein, said inner cylinder and outer cylinder having aligned holes, a key slot in said inner cylinder beneath and in communication with the holes therein, a pair of pins in said holes adapted to be moved in the axial directions thereof, spring members in the back of the pins in said outer cylinder for forcing the pins in the inner cylinder against the key slot, said inner cylinder being threaded at the top of its hole and the pin extending into the outer cylinder being threaded only at its end, extending into the hole in the inner cylin-

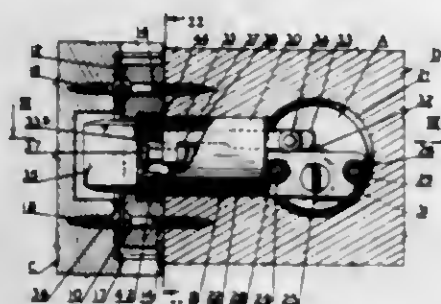
der, said inner cylinder having a recess at its surface extending around the hole, said recess plate being larger than the maximum transverse cross-sectional area of the locking bar and



being threaded similarly as the hole for engagement with the end of the threaded pin.

2,629,250 DOOR LOCK

Ernest L. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, a corporation
Application April 11, 1949, Serial No. 86,844
8 Claims. (Cl. 70-450)



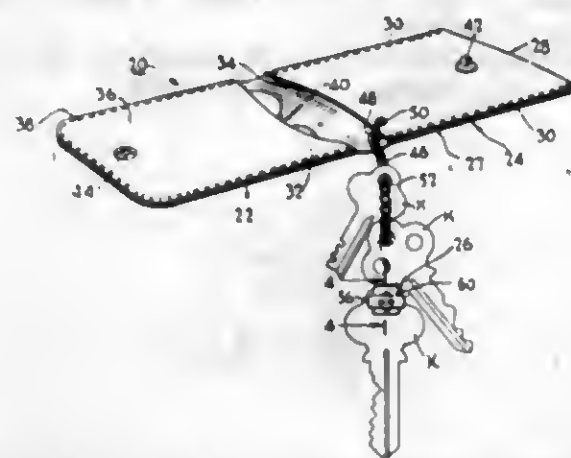
2. In a lock, a cylindrical housing having an outwardly projecting flange at one end, a latch bolt rotatably disposed within said housing and projecting from said end thereof, a face plate having a pair of communicating openings therein, the first for the latch bolt and the second for the flange, said openings being different in cross section to leave an abutment between them in said face plate, a spacing ring surrounding the housing and engaging the flange, and a lug on the face plate engaging the spacing ring.

2,629,251

KEY RETAINER

Abraham Schwalberg, Brooklyn, N. Y.
Application November 24, 1946, Serial No. 61,781
7 Claims. (Cl. 70-457)

1. A key retainer for keys with circular openings in their tangs, said retainer comprising a two-ended elongated flexible member on which keys are adapted to be captively slidable with said member passing through the openings in the tangs of the keys, an object whose maximum cross-sectional area transverse to the longitudinal axis of the elongated flexible member is larger than the area of the tang openings of the keys, means securing said object to one end of the elongated flexible member, a locking bar, means securing said locking bar intermediate its ends to the other end of the elongated flexible member, and a guard plate slidable along an opening therethrough on the elongated flexible member and otherwise unconnected to said member, the area of said opening in the guard



the maximum distance across said opening in the guard plate being shorter than the length of the locking bar.

2,629,252

SURFACE FINISHER

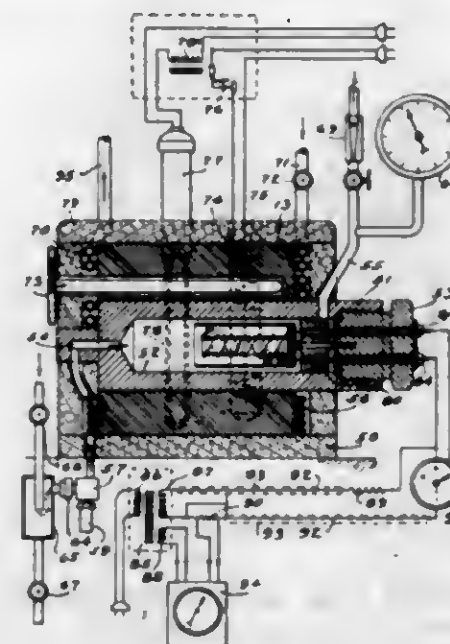
Eugene Franklin Folks, Hot Springs, Va., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application March 6, 1948, Serial No. 13,399
2 Claims. (Cl. 72-136)



1. A device for finishing a curvilinear surface, comprising an open frame having side members spaced apart and providing graspable portions whereby the frame may be grasped by two hands, and terminal portions extending away from said graspable portions and terminating in a plane laterally displaced from said graspable portions, a pair of cross-members carried by the two of said terminal portions adjacent one end of said frame, a second pair of cross-members carried by the two of said terminal portions adjacent the other end of said frame, one of each of said pairs of cross-members being rigidly connected to said side members and spacing said side members apart from each other, bearings on said side members for rotatably supporting the other cross-member of each of said pairs of cross-members, a web extending between said rotatably supported cross-members and having end portions thereof wrapped around and supported thereby, said last-named cross-members being rotatably displaceable about the axis of their respective bearings to enable variation of the length of said web extending between said rotatable cross-members, and means for locking said rotatable cross-members against rotation with respect to said frame.

2,629,253 MOISTURE CONTENT RECORDER FOR GASES UNDER PRESSURE

William M. Deaton, Amarillo, Tex., assignor to the United States of America as represented by the Secretary of Interior
Application June 5, 1951, Serial No. 230,016
1 Claim. (Cl. 73-29)
(Granted under Title 35, U. S. Code (1952), sec. 266)



In a device for measuring the moisture content of a gas sample, the combination of a cylindrical temperature equalizing member with a non-corrosive pressure-resistant receptacle radially extending through said member near the central portion thereof, a humidity-responsive electrical resistance element mounted in said receptacle, cooling means including a coil embracing said member near the upper portion thereof, heat-exchange means including a coil embracing said member near the lower portion thereof, said heat-exchange coil being adapted to bring a purified gas sample to the temperature of said member and deliver it to said receptacle, means for electrically heating said member to a predetermined temperature, means connected to said heat-exchange coil for purifying a gas sample, means for controlling the flow-rate of gas through said receptacle, and means for measuring and indicating the electrical resistivity of said humidity-responsive element.

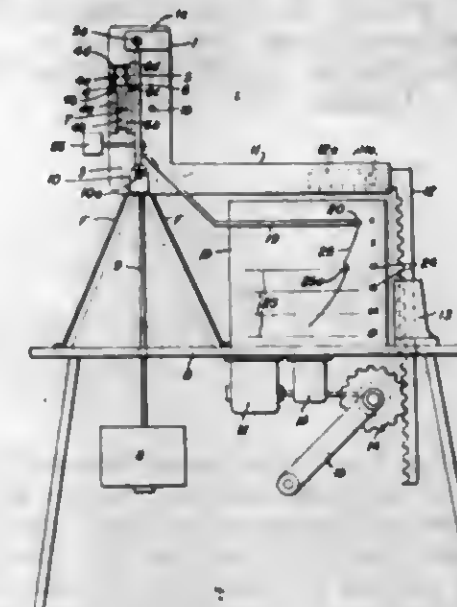
2,629,254

TENSILE STRENGTH TESTER

Hugh M. Brown, Clemson, S. C., assignor to Clemson Agricultural College of South Carolina, Clemson, S. C., a corporation of South Carolina
Application June 27, 1950, Serial No. 170,666
15 Claims. (Cl. 73-90)

3. A tensile strength tester comprising a base, a rigid arm mounted on said base for swinging movement about a fixed horizontal axis, a rigid pendulum suspended from said arm for swinging movement about a movable axis spaced from and parallel to said fixed axis, said arm being swingable to and from a zero position wherein said movable axis is directly above said fixed axis, means carried by said arm and said pendulum respectively for fixedly securing a test specimen horizontally therebetween, means for swinging said arm away from its zero position at such a varying rotational speed as to produce a uniform rate of increase in the tension exerted on

said specimen, a scriber arm carried by said pendulum, a chart mounted on said base in a plane

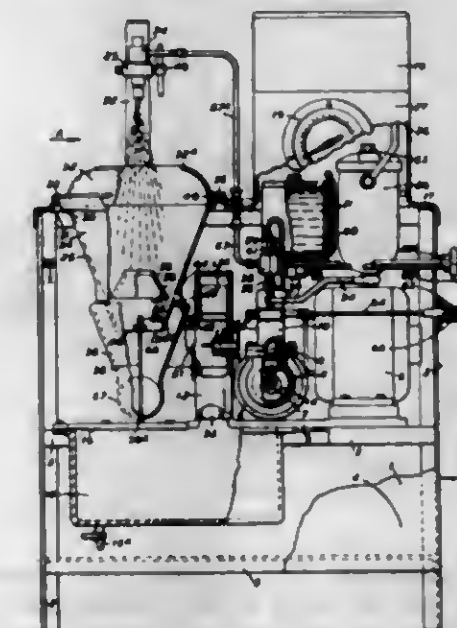


parallel to the movement of said arm, and a scribing implement carried by said scriber arm in operative engagement with said chart.

2,629,255

MACHINE FOR TESTING THE COMPONENT PARTS OF THE INJECTION SYSTEMS OF COMPRESSION-IGNITION ENGINES

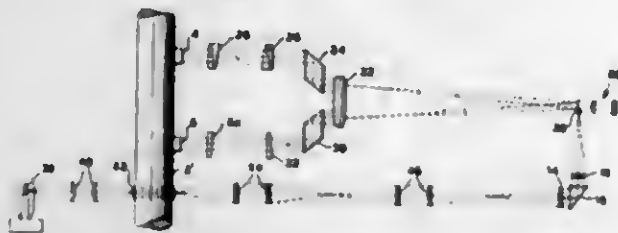
Leslie Hartridge, Buckingham, England
Application June 30, 1948, Serial No. 36,008
In Great Britain February 20, 1947
14 Claims. (Cl. 73-119)



1. A machine for testing injectors or nozzles for compression ignition engines, comprising a liquid feed pump, a cam for operating the pump, means for driving the cam at a steady speed of rotation, a support for holding an injector to be tested to expose to view the spray that issues from the injector, means for connecting said pump to the injector held by said support, a receptacle for the reception of the spray from the injector undergoing test, an exhaustor and means for driving same, said receptacle including a substantially vertical funnel positioned relative to said support to receive at the wider end thereof the spray from the injector that is held by said support, and a connection between the intake of said exhaustor and the narrow end of said funnel.

2,629,256

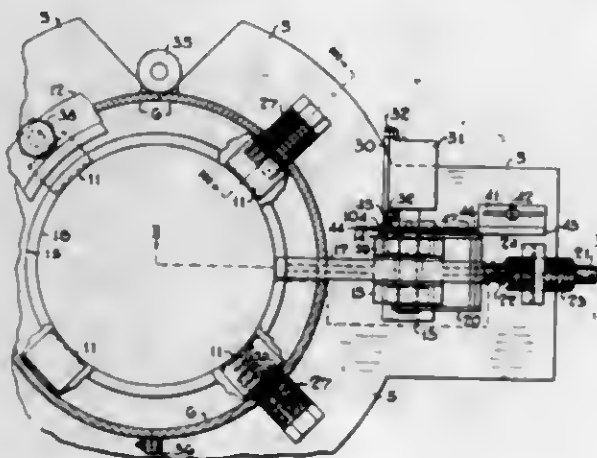
OPTICAL TORQUE MEASURING SYSTEM
David H. Rank, State College, Pa., assignor to
De Laval Steam Turbine Company, Trenton,
N. J., a corporation of New Jersey
Application March 2, 1950, Serial No. 147,286
8 Claims. (Cl. 73-136)



1. Apparatus for torque measurement comprising a pair of mirrors adapted to be secured in axially spaced positions on a shaft and to sweep rays reflected therefrom about the shaft, means providing a source of illumination, means splitting light from said source into a pair of beams, directing said beams individually to the mirrors, and providing, after reflection from said mirrors, a pair of images of said source lying adjacent to each other, means causing said images to exist momentarily in synchronism with rotation of the shaft, and means in the path of one of said beams for deflecting the image produced therefrom.

2,629,257

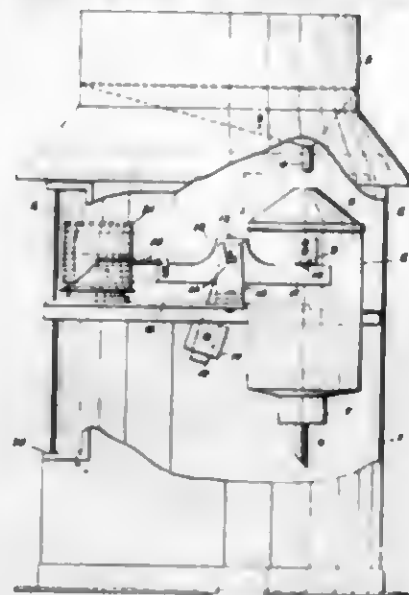
DEVICE FOR MEASURING TOTAL LENGTH OF ASSEMBLED WELL CASING
George H. Link, Denver, Colo.
Application May 7, 1949, Serial No. 91,904
3 Claims. (Cl. 73-151)



1. An apparatus for measuring pipe being lowered into an oil well which comprises in combination a base, a cylindrical sleeve mounted on said base and adapted to surround said pipe, a yoke support attached to said base, a wheel yoke pivotally mounted on said yoke support, a measuring wheel mounted on said wheel yoke, said yoke support and wheel yoke being so positioned as to place the periphery of said wheel into contact with said pipe when said sleeve surrounds said pipe, a compression yoke pivotally attached to said wheel yoke and provided with adjustable spring means for holding said wheel against said casing and for absorbing motion of said wheel yoke on its pivot, a revolution counter mounted on said wheel yoke, means actuating said revolution counter upon rotation of said wheel, a second counting device mounted on said base, and means actuating said second counter upon substantial lateral movement of axis of said wheel with respect to said sleeve.

2,629,258

RECORDING RAIN GAUGE
Shimshon Ernst Nothmann and Benno
Friedmann, Tel-Aviv, Israel
Application March 1, 1951, Serial No. 213,308
In Israel March 8, 1950
2 Claims. (Cl. 73-171)



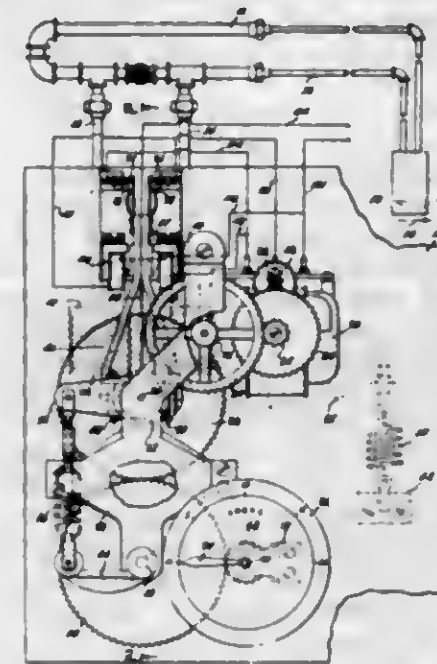
1. A recording rain gauge comprising in combination a two-armed balance beam, a recording implement at the end of one arm of the balance beam, a rain collector vessel balanced on the other arm of the balance beam, a weight counterpoising the collector vessel, a vertical outflow tube in the bottom of the collector vessel and extending upwards into the latter, a siphon bell within the collector vessel enclosing said inner extension of the outflow tube, a float in the collector vessel adapted to rise therein in proportion to the amount of rain water collecting in the vessel, detachable means connecting the siphon bell to the float for allowing the float as it rises to lift the bell, and means for detaching said connecting means in the pre-determined high-level position of the float in the collector in response to arrival of the float at said high-level position, thereby allowing the siphon bell to drop back and thereby to start the evacuation of the rain water from the collector vessel by siphon action.

2,629,259

SQUARE LAW FORCE MEASURING DEVICE
Francis L. Corbin, Chatham, N. J., assignor to
Pitometer Log Corporation, New York, N. Y., a
corporation of New York
Application October 11, 1948, Serial No. 702,819
5 Claims. (Cl. 73-182)

1. In a device of the class described, a rotatable shaft, a balance lever secured to said shaft, means for applying a turning moment to said lever proportionate to the square of a variable value, means for applying a substantially constant turning moment to said lever, a beveled gear carried by said shaft with its axis of rotation normal to the axis of the shaft, a pair of coaxially mounted beveled gears meshing with the first-mentioned gear, a pair of arms turnably mounted on parallel axes, motion transmitting means between said pair of gears and said arms for causing one of said arms to turn in the opposite direction from one gear of said pair and the other arm to turn in the same direction as the other gear of said pair, and for maintaining said arms substantially parallel to each other, spring means stressed between said arms, means

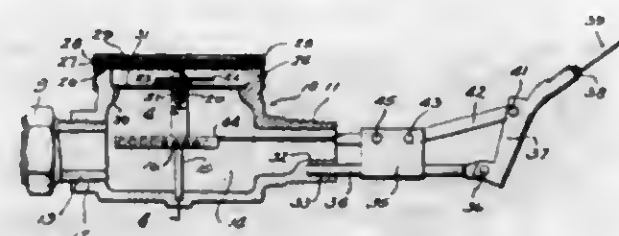
for turning said arms to thereby vary the turning moment resulting from said spring means and transmitted through said motion transmitting



means, the gears, and said shaft to said lever and means movable in direct proportion to the angle of movement of said arms.

2,629,260

DRUM GAUGE HAVING ALIGNED FAUCET AND DRUM COUPLING
Bearl E. Colburn, Green Bay, Wis.
Application March 18, 1948, Serial No. 15,588
2 Claims. (Cl. 73-317)



1. A gauge comprising a casing having a delivery passage, a guide member projecting from the casing, a cross head reciprocable on the guide member, a float lever having a link connecting it with the cross head and having a fulcrum connecting it with the guide member, and an actuating member connected with the cross head and projecting longitudinally of said passage, and an indicator having an operative driving connection with said member to receive motion therefrom.

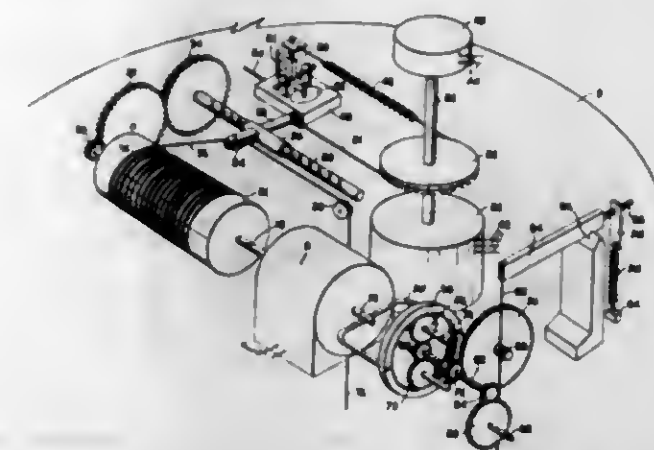
2,629,261

MEASUREMENT OF LEVELS OF MATERIALS IN TANKS

Alfred H. McKinney, Chester, Pa.
Application July 22, 1948, Serial No. 40,088
3 Claims. (Cl. 73-321)

1. Apparatus for measuring the level of fluent material in a tank comprising a float, flexible supporting means for said float, a drum about which said flexible supporting means may be wound, means applying a torque to said drum urging it to wind up said flexible supporting means to maintain the float in a position of equilibrium in which it is partially submerged in a surface of said fluent material and partially supported by the buoyancy of said material, and rotatable means movable in conformity with the

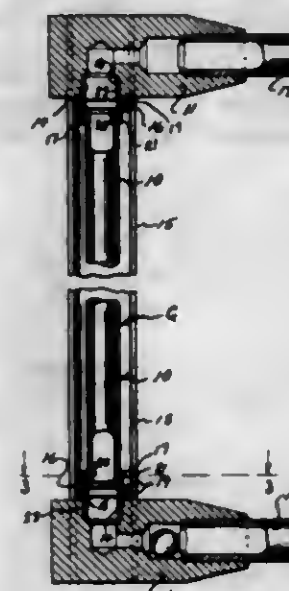
position of said drum for indicating the quantity of material in the tank, the last mentioned means including devices for temperature correction of its indications, said devices including a member extending downwardly through said tank and having a predetermined response to temperature changes, and a planetary gear mechanism re-



sponsive to means actuated by movement of said member in response to temperature changes of the fluent material in the tank, said planetary gear mechanism acting to position the rotatably movable means indicating the quantity of material in the tank to provide said temperature correction of its indications.

2,629,262

SIGHT GAUGE GLASS
Ernest F. Vilter, Milwaukee, Wis.
Application January 13, 1949, Serial No. 70,738
2 Claims. (Cl. 73-326)

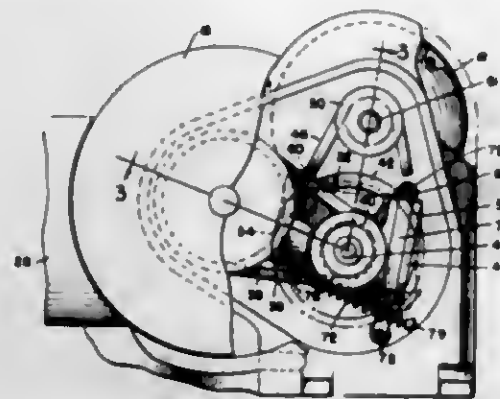


1. In a gage, end fittings having vertically aligned bores, a sight glass, the terminals of the sight glass being coated with metal, and metal bellows uniting the ends of the glass with the fittings, each bellows including an inner sleeve, an outer sleeve and connecting bellows folds, the coated terminals of said sight glass fitted in the inner sleeves, and said outer sleeves fitted in the bores of the fittings.

2,629,263

BELT TENSION EQUALIZING DEVICE

Cornells Klingens, La Porte, Ind., assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application September 25, 1950, Serial No. 186,648
8 Claims. (Cl. 74-242.15)

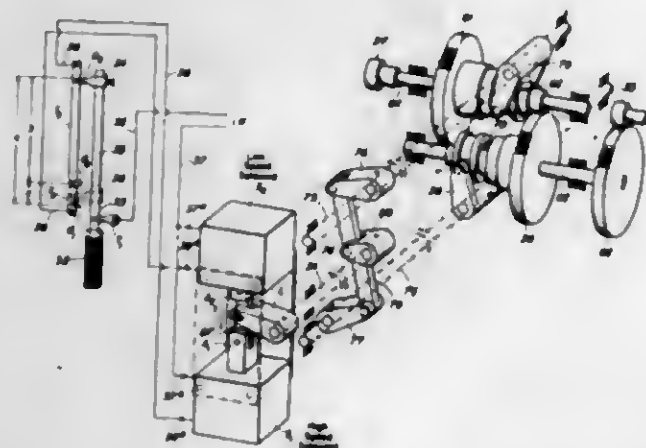


1. In a slicing machine of the character described, a knife box casing, a knife pulley rotatably disposed in said casing, a motor shaft pulley, an idler pulley assembly disposed within said casing and including a pair of idler pulleys operatively connected together for rotation in unison, a belt connecting said motor shaft pulley and one of said idler pulleys, a belt connecting said knife pulley and the other idler pulley, a movable support on which said idler pulley assembly is rotatably mounted, means within said knife box upon which said support is borne in sliding and pivotal relationship, and means yieldingly urging said support in a direction having vectorial components capable of applying tension to both of said belts by movements of the idler pulleys away from the pulleys with which they are respectively connected.

2,629,264

MOTOR-DRIVEN VALVE CONTROL

Harold O. Kron, Philadelphia, Pa., assignor to Philadelphia Gear Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 14, 1950, Serial No. 138,568
13 Claims. (Cl. 74-358)



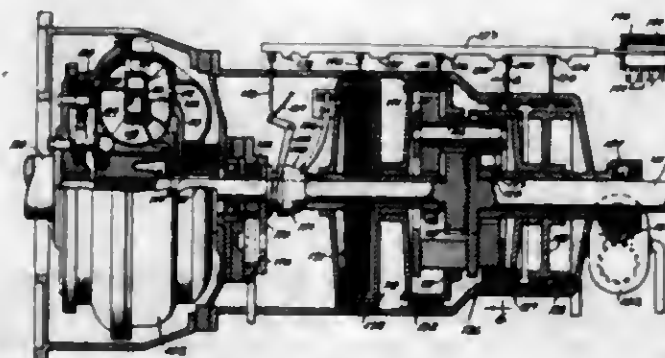
1. A valve unit having an openable and closeable valve member, a moving stem and power operated drive means for operating the stem and valve member to open and to close it as well as for automatically stopping the valve member at the end of each of its strokes; characterized by a two-speed gear change mechanism in the drive means comprising a primary shaft, a primary

input pinion fixed to the input end of the primary shaft, a larger primary gear rotatable upon said primary shaft and spaced from the input pinion towards the output end of the shaft, a first clutch upon said primary shaft between said pinion and said larger primary gear for connecting said larger primary gear to the primary shaft, a countershaft, a secondary larger gear rotatable upon the countershaft and meshing with said primary input pinion, a secondary pinion fixed upon the output end of the countershaft and meshing with said larger primary gear, a second clutch upon the countershaft between said larger secondary gear and said secondary pinion for connecting said secondary gear to the countershaft, interlocking means effective between the clutches and operable, between low-speed position and high-speed position by engaging one clutch while disengaging the other and vice versa, power means for operating the interlocking means, and control transmitting means governed by the travel of the moving stem for transmitting control to the power means whereby said interlocking means are maintained in high-speed position during the first portion of the closing movement of the valve member, then are moved to low-speed position at the end of said first portion, and then maintained in low-speed position during the remainder of the closing movement, so that the valve member moves at high speed during said first portion and at low speed during the remainder of the closing movement.

2,629,265

TRANSMISSION

Adiel Y. Dodge, Rockford, Ill.
Application April 30, 1948, Serial No. 24,158
8 Claims. (Cl. 74-645)

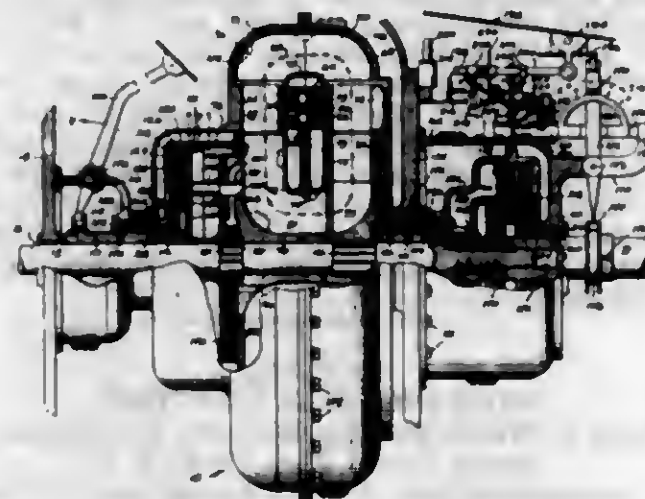


1. A transmission for connecting a driving member to a driven shaft comprising a hydraulic torque converter connected to the driving shaft, an intermediate shaft driven by the torque converter, a variable speed gear set connecting the intermediate shaft to the driven member, controllable elements in the gear set to change the gear ratio thereof, fluid pressure operated means to control the controllable elements, a pump driven by one of the shafts, a manually operable valve connecting the pump to the pressure operated means and controllable to operate said elements selectively to select any desired gear ratio of the gear set at will, a second pump driven by the driven member, automatic means responsive to the pressure developed by the second pump and connected to the fluid pressure operated means to control the controllable elements, a connection from the manually operable valve to the automatic means to supply operating fluid to the automatic means and means in said manually operable valve to open or close said connection to make the automatic means operative or inoperative at will.

2,629,266

TORQUE CONVERTER

Edward J. Thurber, New Orleans, La., assignor to The Thurber Corporation, New Orleans, La., a corporation of Louisiana
Application September 12, 1949, Serial No. 115,217
36 Claims. (Cl. 74-645)

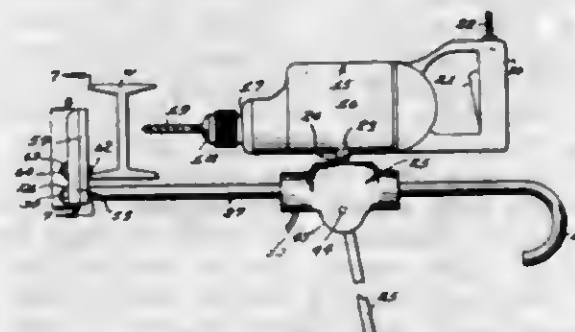


1. A hydraulic transmission comprising a casing containing a working fluid, a rotatable bladed impeller for establishing a circulation of the working fluid in a closed path, a pair of bladed turbine members in the path of the working fluid rotatable in opposite directions, a pair of driven members positioned closely adjacent each other and respectively connected with said turbine members, and gear means for connecting said turbine members to compound the torques delivered thereby, an output member, and means for selectively connecting said output member with either of said driven members.

2,629,267

PORTABLE DRILL PRESS

Ivan T. Hart, Tuscarora, Nev.
Application January 20, 1950, Serial No. 139,576
1 Claim. (Cl. 77-7)



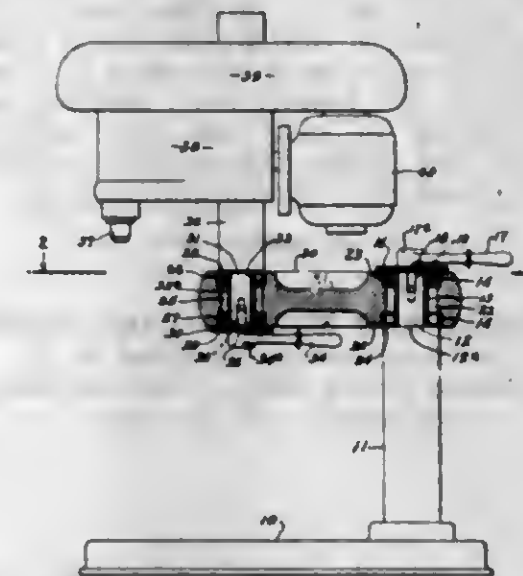
In a portable drill press involving a drill having a casing and a drill chuck-equipped shaft extending longitudinally outwardly from one end of the casing, a press housing and means for fixedly securing said press housing on one side of said drill casing, the improvement of a rod extending rotatably and slidably through the press housing and projecting beyond opposite ends of the press housing, said rod having a fixed laterally projecting work engaging foot on one end thereof, said work engaging foot being spaced axially outwardly from the drill chuck shaft and a laterally extending handle on the opposite end of the rod for rotating the rod relative to the housing for positioning the foot relative to the work, and means on said housing for moving the housing and the drill along said rod in a direction toward said foot.

667 O. G.—58

2,629,268

UNIVERSAL LOCATING DRILL PRESS**CENTERING APPARATUS**

Michael P. Budney, Newington, Conn.
Application November 13, 1951, Serial No. 256,047
1 Claim. (Cl. 77-27)

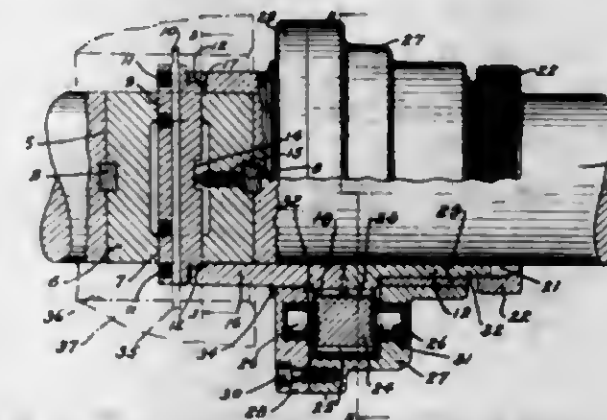


In a universal centering drill press, a base, a vertical column extending upwardly from said base and having a reduced upper end, a pair of anti-friction bearings mounted upon said reduced upper end and spaced apart by a collar which embraces said reduced upper end, a swivel bracket having a vertical aperture surrounding said bearings and said collar, a washer plate on the top of said bracket covering said aperture, a handle having a hub engaging said washer plate and having a threaded shaft extending into a tapped hole in said reduced upper end for clamping said swivel bracket tightly upon said column, the other end of said swivel head having a second vertical aperture within which a depending drill head column is swiveled, a pair of anti-friction bearings located in said second aperture and spaced apart by a second collar, a second washer plate under said second aperture, and a second handle connected to said drill head column for clamping said drill head column upon said swivel bracket.

2,629,269

GROOVING TOOL

Arthur H. Nolde and Anthony D. Guagliardo, Wauwatosa, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 3, 1948, Serial No. 47,686
2 Claims. (Cl. 77-57)



1. An internal grooving tool comprising a supporting bar, a tool carrier transversing said bar

and guided therein for feed movement transversely thereof, said carrier having means for supporting a tool in position to project laterally beyond said bar, said carrier also having oppositely directed abutments adjacent opposite ends thereof, a camming device encircling said bar and rotatable relative thereto, said camming device having an eccentric circular cam surface in contact with both of said abutments at diametrically opposite points on said surface so as to positively control the longitudinal position of said carrier relative to said bar, and differential mechanism for controlling relative rotation between said camming device and said bar.

2,629,270

BORING BAR MICROMETER TOOL

Kurt Kachert, Springfield, N. J.

Application May 8, 1951, Serial No. 225,183

3 Claims. (Cl. 77-58)



1. A completely cylindrical boring bar micrometer tool, reversible in its holder and employing a micrometer screw with a head projecting from the end of the tool, said head having an engaging end for engaging an indicator sleeve which indicates its position on a stationary scale disposed around the periphery of said head, comprising, in combination, a cylindrical barrel, an axial bore in said barrel, a bit holder carrying a bit on its forward end and disposed in non-rotating relation in said bore, a follower riding in said bore in non-rotating relation thereto behind said bit holder and independently attached thereto, screw engaging means on the rearward portion of said follower for engaging a micrometer screw, and a micrometer screw held in said screw engaging means and extending into said bore from said head.

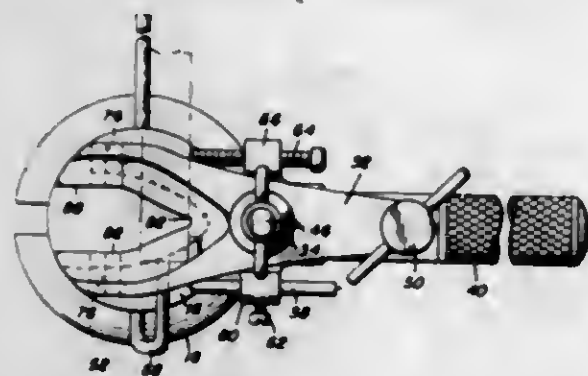
2,629,271

MATERIAL HOLDER FOR DRILLING

Freeman C. Foss, Twin Falls, Idaho

Application December 14, 1948, Serial No. 65,096

2 Claims. (Cl. 77-63)



1. A work-holding device for use with a drill press, said device comprising a block which is adapted to be secured to the table of the drill press, a work holder having furcations at one end thereof, an adjustment screw threaded in the

opposite end thereof and contacting said block to raise and lower said holder with respect to the block, a pivot bolt carried by said block and passed through an opening in said holder intermediate its ends, a threaded element disposed on said pivot bolt and engaging said holder to press said holder downwardly toward the block to clamp a workpiece therebetween, said holder being pivotally operable to the operative and inoperative condition about the axis of said pivot bolt, said furcations having their upper surfaces downwardly and inwardly tapered from the inner ends thereof to the outer ends thereof and said furcations being tapered inwardly toward their inner ends said last-mentioned taper being with respect to vertical planes passed through said furcations, and means disposed in the under surface of said furcations to accommodate a workpiece.

2,629,272

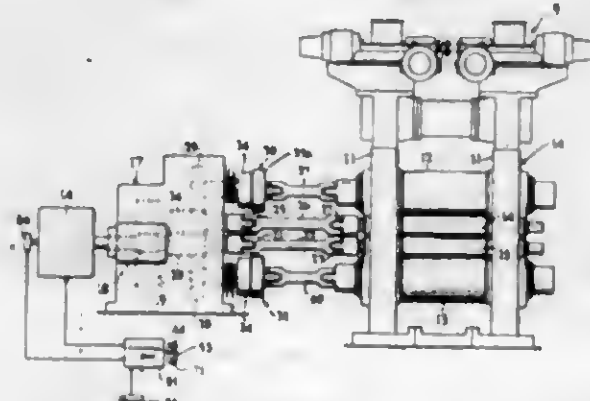
ROLLING MILL CONTROL

Frank J. Wood, New Rochelle, N. Y., assignor to

Erwin Loewy, New York, N. Y.

Application July 9, 1947, Serial No. 759,786

3 Claims. (Cl. 80-38)



1. In a control system for a rolling mill having working and backing rolls, the working and backing rolls being in frictional contact with each other, material being passable between said working rolls, a switch shiftable to energize a driving motor, said driving motor being positively connected to said working rolls, clutch mechanism connecting the driving motor with said backing rolls, a second switch mechanism operable when said first switch mechanism is shifted to activate said clutch mechanism and connect said drive mechanism positively to said backing rolls, and a roll speed switch mechanism connected with said second switch mechanism operable when said rolls have reached a predetermined speed deactivating said clutch mechanism and interrupting the positive connection of said driving mechanism to said backing rolls, so that said backing rolls then are driven only by frictional contact with their respective working rolls.

2,629,273

REPEATER FOR ROLLING MILLS

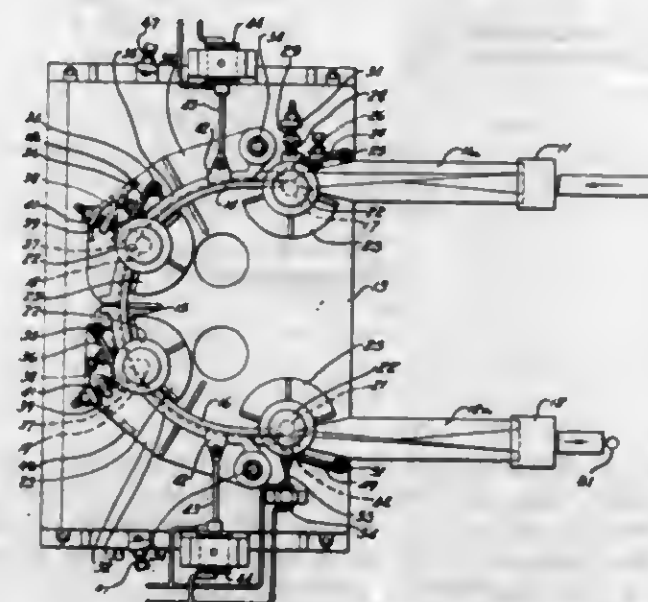
Graydon B. Tener, Edgeworth, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 18, 1949, Serial No. 99,901

4 Claims. (Cl. 80-52)

2. Apparatus for repeating in a rolling operation relatively thin wide strip material comprising a base, a pair of twist guides mounted upon said base for turning strip material into a plane at substantially right angles to that in which

the strip enters the guides, a plurality of vertically disposed convex stationary elements secured to said base and together forming substantially a continuous semi-circular wall between said twist guides, a pair of driven pinch rolls disposed between the ends of said wall and each of said twist guides, a pair of retractible concave elements pivotally mounted upon said base which in their active positions form with said stationary wall a restricted opening for



passage therethrough of said strip, driven pinch rolls mounted upon said base and adjacent the inner ends of said convex elements forming said semi-circular wall, an idle adjustable pinch roll for each of said driven pinch rolls adjacent said retractible concave elements for engaging with and positively urging said strip through said restricted passage and means for retracting said concave elements into their inoperative positions thereby to free the strip from confinement between said concave and convex elements.

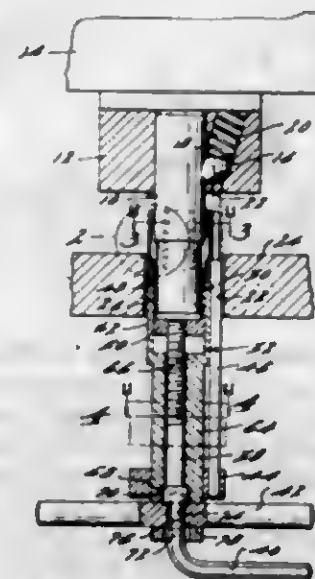
2,629,274

PUNCH-REMOVING DEVICE

Albert Bolduc, Detroit, Mich.

Application April 19, 1948, Serial No. 21,903

4 Claims. (Cl. 81-3)



1. A device for pulling a punch element out of a punch retainer through an opening in a strip-

per plate comprising telescoping inner and outer sleeve members having forward terminal portions insertable through the opening and over the punch element, the forward terminal portion of said outer sleeve member formed with an internal tapered cam surface and said inner sleeve member having axial slots extending from an intermediate portion in the sleeve member to the forward end thereof to provide flexible fingers; means for moving the inner sleeve member axially in both directions in said outer sleeve member so that the resilient fingers can be contracted and held solidly against the punch element by advancing the inner sleeve member in the outer sleeve member to press the ends of said resilient fingers against said cam surfaces and so that the punch element by retracting the inner sleeve member in the outer sleeve member, the last-mentioned means comprising a manually operable screw mounted to rotate freely in said the resilient fingers can be expanded to release outer sleeve member and threaded into said inner sleeve member; and including means for holding said screw against axial movement relative to said outer sleeve member, whereby rotation of said screw moves the inner sleeve member axially in said outer sleeve member.

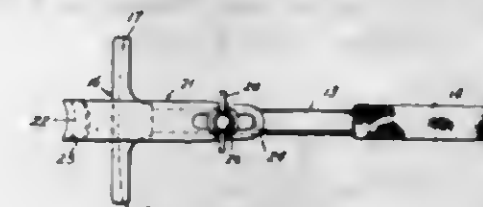
2,629,275

PIVOTED HAND TOOL FOR BENDING HEAVY WIRES

Arthur F. Shallerross, Rockford, Ill.

Application August 18, 1949, Serial No. 111,003

3 Claims. (Cl. 81-15)



1. A wire bender comprising an elongated handle, a shoulder formed on said handle intermediate the ends of the latter, a threaded projection extending outwardly from said shoulder, an elongated cross arm rigidly attached to one end of said handle and having portions extending outwardly from opposite sides of the handle, said cross arm having a continuous face on the side away from the handle having a concave surface in a transverse direction and a continuous convex surface in a longitudinal direction to define an elongated fixed jaw for engaging one side of a conductor, a J-shaped member having a short continuous convexly curved portion overlying the fixed jaw in opposed relation therewith intermediate the ends thereof and engageable with the opposite side of a conductor and having its ends curving away from the convex surface of the fixed jaw, said opposed convex jaw surfaces defining a passageway for receiving the conductor which is narrowest at opposed points on said surfaces intermediate the ends thereof, said J-shaped member having a stem in side by side relation with the handle and said shoulder to support the clamping jaw in the above-described position, said stem having a slot shaped to receive said threaded projection, and adjustable abutment means engageable with the stem to secure it against the shoulder.

2,629,276

EXPANDER PLIERS

Percy Means, Indianapolis, Ind., assignor to the United States of America as represented by the Secretary of the Navy

Application May 8, 1952, Serial No. 286,703

6 Claims. (Cl. 81-48)

(Granted under Title 35, U. S. Code (1952), sec. 266)



4. Pliers, comprising: a spool-like element having a cylindrical body portion and laterally extending circular end flanges; a pair of lever arms received between said flanges and disposed on opposite sides of said body, said spool body serving as a common fulcrum to said arms in first-class lever arrangement; a collar surrounding one of said flanges and fixed to one of said arms; means for fixing the other of said flanges to the other of said arms; spring means operative to bias the resistance arm portions of said lever arms to a closed position; corresponding laterally projecting nibs mounted on the ends of said resistance arms; and adjustable means operative to limit separability of the nibs.

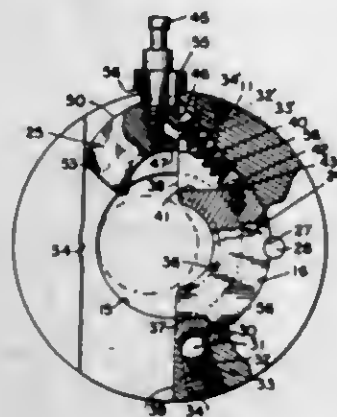
2,629,277

STUD BOLT WRENCH

Ralph A. Valvano, Los Angeles, Calif.

Application October 4, 1949, Serial No. 119,447

1 Claim. (Cl. 81-53)



A stud bolt wrench comprising, a body having a bore therethrough, said body having a recess at one end to one side of said bore, said body having an opening therethrough intersecting said bore and opposite said recess, a jaw set mounted in said recess and opening, said set comprising a stationary jaw mounted in said recess and a movable jaw mounted opposite thereto in said opening at normally adjacent ends, said jaws being connected by a tension spring, said jaws having opposed semi-circular bolt-gripping surfaces, said movable jaw being constructed and arranged to cooperate with the wrench body to be cammed into gripping engagement with the bolt in conjunction with said stationary jaw, said movable jaw being movable in said opening outwardly of said bore to a retracted position, and latch means on said movable jaw for engagement with said body to releasably hold said movable jaw in retracted position.

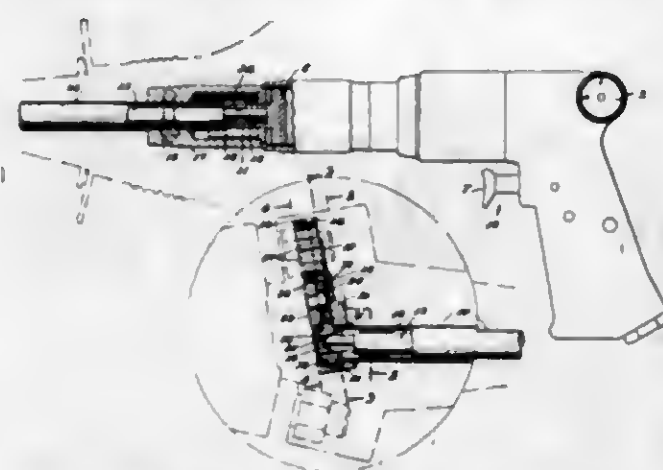
2,629,278

GEAR-OPERATED PANCAKE-TYPE WRENCH FOR USE IN CONFINED SPACES

Frank J. De Noto, Forestville, Conn., assignor to The Bristol Machine Tool Company, Inc., Forestville, Conn., a corporation of Connecticut

Application January 6, 1951, Serial No. 204,773

1 Claim. (Cl. 81-57)



In an offset socket wrench, a substantially rectangular, pancake-type housing open at one end and having rotatably mounted therein in meshing engagement with each other a wrench socket gear whose periphery extends through the open end of the housing, a driver gear, and an intermediate idler gear, the outer periphery of the wrench socket gear having a concentric circular recess disposed in the bottom portion thereof, a thin metal band of substantially the thickness of the teeth of the wrench socket gear mounted in said circular recess, and constituting the sole closure means for the open end of the housing, thereby adapting the wrench to use on nuts or bolts located in very restricted areas.

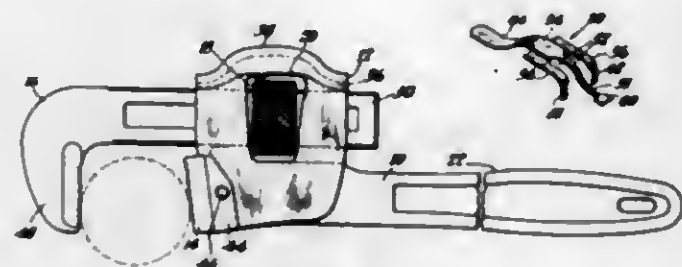
2,629,279

ADJUSTABLE OUTER JAW PIPE WRENCH OF THE FIXED HOUSING TYPE

Nils O. Smith-Petersen, Yonkers, N. Y., and Walter A. Patschelder, Norfolk, and Henry G. Lambert, Milton, Mass., assignors to Walworth Company, New York, N. Y., a corporation of Massachusetts

Application August 31, 1948, Serial No. 46,988

12 Claims. (Cl. 81-101)



8. A spring element for pipe wrenches and the like comprising a generally rectangular sheet of thin flexible material provided with a pair of open ended slots extending lengthwise thereof and terminating adjacent a neutral portion, said slots being spaced one from the other and leaving two side and one middle portions connected at said neutral portion, said middle strip portion forming a first bowed spring arm section having substantially an ogee curvature with the free end thereof lying in a plane substantially parallel with said neutral portion, said side strip portions having curved retaining fingers formed thereon and ter-

minating substantially in the plane of said free end of said middle strip portion, said connection of said side strip portions being displaced from the plane of said neutral portion, and a second bowed spring arm section projecting from said neutral portion and opposite said first spring arm section, said second spring arm section having substantially an ogee curvature with the free end thereof lying substantially in the plane of said free end of said first spring arm section, said second spring arm section being substantially wider than said first spring arm section to provide relatively less flexibility in said second spring arm section.

10. A pipe wrench comprising a bar portion having a handle and a relatively stationary jaw, a housing carried by said bar portion adjacent said stationary jaw and having a channel therethrough intersected by transverse passage forming a window in each sidewall of the channel, a movable jaw having a threaded shank extending through said channel and being spaced from the upper wall thereof, a spring element in said housing having a neutral portion and a pair of spring arms extending in opposite directions therefrom into said space for bearing upon said shank, said spring arms having inner ends defining opposite junctions of said neutral portion, said neutral portion being located within said window passage and spaced from both sides thereof, said spring element having retaining means connected to said neutral portion between said junctions and spaced from said spring arms and extending into operative engagement with one said side of said window passage, and an adjusting nut on said shank and positioned within said window passage.

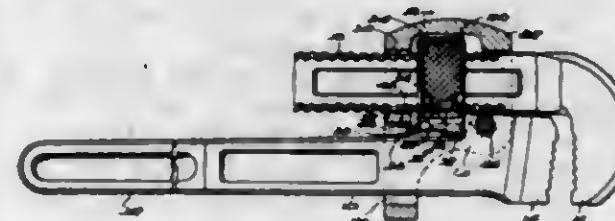
2,629,280

ADJUSTABLE OUTER JAW PIPE WRENCH OF THE PIVOTED HOUSING TYPE

Wilbur E. Milligan, Boston, Mass., assignor to Walworth Company, Boston, Mass., a corporation of Massachusetts

Application April 11, 1950, Serial No. 155,324

15 Claims. (Cl. 81-105)



1. A pipe wrench comprising a bar having a handle portion and a relatively stationary jaw portion thereon, a movable jaw having a threaded shank, a hollow housing for said shank pivotally mounted on said bar adjacent said stationary jaw portion and having oppositely disposed windows in side walls thereof, said side walls being connected on one side of said windows by a bridge normally spaced from said bar, said bar having a heel projecting between said side walls on the opposite side of said windows, an adjusting nut on said shank and po-

sitioned within said housing between said windows, and a spring element positioned in said housing between the bar and said shank for normally maintaining said housing in a neutral position relative to said bar, said spring element having one end and a median portion thereof operatively engaging said heel and said one side of said windows respectively for placing a portion of said spring element there-between under compression, said spring element extending beyond said median portion and into said space for operative engagement with said bar.

5. A spring element for pipe wrenches and the like comprising a sheet of flexible material having a curvature between the opposite ends thereof which lie in substantially the same plane, one of said ends terminating in a portion having angular relation to said plane and being adapted for movement relative to said sheet, a retainer section formed in said curvature and including a retaining finger section having an outer portion substantially parallel with said plane, said retainer section defining with said angular end a bowed retaining portion on said sheet adapted to be placed in compression upon said relative movement of said angular end, the portion of said sheet extending from said retainer section to the end opposite said angular end forming a bowed spring arm section adapted for cantilever action.

2,629,281

PIN AND RETAINER

Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application May 27, 1949, Serial No. 95,770

1 Claim. (Cl. 85-7)



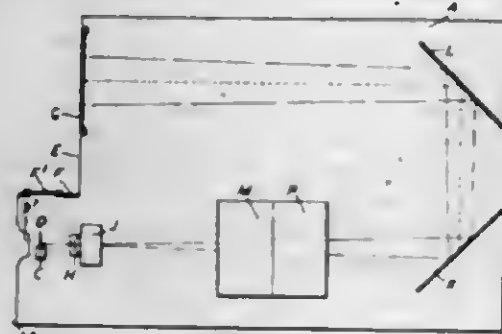
In a fastening device, a pin having a head at one end and a transverse aperture at the other end, a retainer defining a hollow sleeve telescoped over said other end of said pin and having holes on opposed sides thereof aligned with the transverse aperture in said pin, a key extending through said holes and said aperture operative to interlock said retainer with said pin, an end wall on said retainer spaced from the end of said pin, an opening in said end wall, a pad of resilient material having a solid portion disposed within said sleeve and spaced radially from the inside diameter of said sleeve to accommodate transaxial bulging of said portion without engaging the inside diameter of said sleeve, another solid portion integrally formed with the first mentioned portion and extending through said opening, said pin being in pressured engagement with said pad and urging same to flow axially through said opening and transaxially between said end wall and said pin, and a head on the outer end of said second mentioned portion engaging the external side of said end wall, said head being upraised from the external side of said end wall and in substantial axial alignment with said opening whereby said head acts as a buffer to absorb in-

wardly directed axial impacts on said retainer and transmit same directly through the pad to the pin without substantially affecting the retainer.

2,629,282

APPARATUS FOR USE IN THE PRODUCTION OF PLATE GAUGES OR OTHER PLATELIKE ELEMENTS HAVING A PREDETERMINED EDGE CONTOUR

George Charles James Legg, Brentford, and William Charles Herbert Crook, Hounslow, England, assignors to D. Napier & Son Limited, London, England, a British company
Application September 1, 1950, Serial No. 182,722
In Great Britain September 2, 1949
2 Claims. (Cl. 88-14)



1. Apparatus for use in shaping a plate-like blank to a predetermined edge contour, comprising a box-like support for the blank in which the blank is situated in a compartment having a front wall whereof the upper part is stepped back from the lower part, the said lower part having in it an opening giving access to the blank for shaping it with a hand tool, the step having in it a window for observation of the blank, and the upper part having means for supporting a drawing of the desired contour on an enlarged scale where an operator can readily view it while shaping the blank with the hand tool, and episcopic projection apparatus including means for highly illuminating the side of the blank remote from the operator and an optical system disposed on the remote side of the blank for projecting on to the drawing an image of the blank magnified to correspond with the drawing and superimposed thereon to enable the actual contour to be continuously compared with the desired contour.

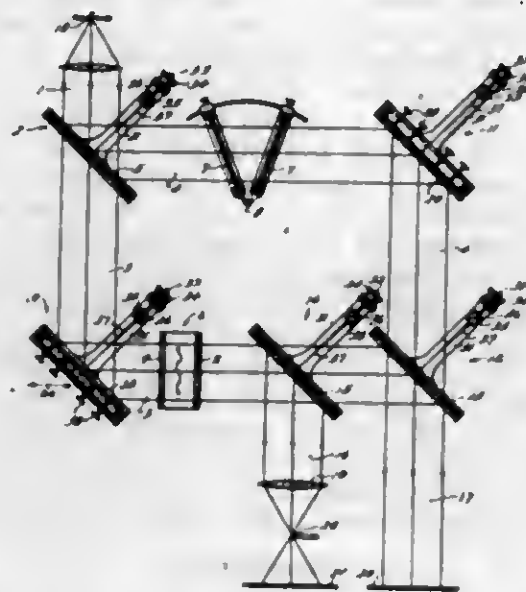
2,629,283

INTERFERENCE SCHLIEREN APPARATUS OF UNUSUALLY LARGE DIMENSIONS, HAVING MEANS FOR IMPROVING THE INTERFERENCE QUALITY BY SELECTIVE ONE POINT DEFORMATION OF THE REFLECTING ELEMENTS OF THE DEVICE

Theodor W. Zobel, Dayton, Ohio
Application March 13, 1951, Serial No. 215,366
7 Claims. (Cl. 88-14)
(Granted under Title 35, U. S. Code (1952), sec. 268)

1. In an interferometer apparatus of the four-plate type having a light source, means for producing an initial light beam from the light source, a first beam splitter plate having a partially transparent reflecting surface interposed in the initial light beam for splitting the beam to form a partial beam passing through the splitter plate and a second diverging partial beam reflected by the plate, forming measuring and a comparison beams traversing separate light paths, full mirror means in the path of each of the measuring

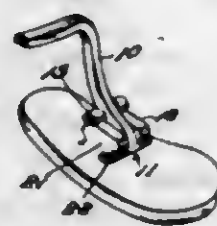
and comparison beams for reflecting the same across each other at equal optical distances from the partially transparent reflecting surface afore-said, and a second beam splitter plate having a partially transparent reflecting surface interposed across said measuring and comparison beams at their point of intersection for passing the rays of one of the last mentioned partial beams through the plate and reflecting the rays of the other partial beam in coincident parallel relation to form the interference beam; supporting and adjusting means for each of the plates, one of the supporting means comprising a rigid supporting frame having means engaging and rigidly supporting the periphery of one of the plates against bodily displacement, an arm projecting from the supporting frame at one side



of the plate and at one side of the beam reflected by the plate, said arm terminating in a laterally projecting support extending over the center of the plate in a greater spaced relation from the reflecting surface of the plate than the width of the light beams passing through or reflected by the plate, a single elongated actuating connection secured at one end to the central position of the plate and secured at its other end to the laterally projecting support, above the center of the plate, and tensioning means in said connection for applying tension to said actuating connection to adjust the center portion of the plate relative to its periphery to adjust the light rays in one of the partial beams relative to the light rays in the other partial beam to improve the parallel relation of said rays when combined in the interference beam.

2,629,284

NOSE PAD FOR OPHTHALMIC MOUNTINGS
George E. Nerney, Attleboro, Mass., assignor to Standard Plastics Company, Inc., a corporation of Massachusetts
Application October 11, 1949, Serial No. 120,745
2 Claims. (Cl. 88-48)



1. An ophthalmic mounting comprising a nose pad and a supporting arm therefor, said arm

having spaced oppositely extending lateral projections providing an I shaped end and said pad comprising a plate with upper and lower nose bearing portions continuously connected together by an intermediate nose bearing portion the latter of which is integrally provided with a projection having a slot to divide it into spaced portions, said portions being undercut at their opposite edges to extend over the opposite projections of the I-shaped end of said arm while receiving the portion of the arm between said projections in said slot.

2,629,285

HIGHLY CORRECTED TELEPHOTO OBJECTIVE LENS

James G. Baker, Winchester, Mass., assignor to The Perkin-Elmer Corporation, Norwalk, Conn., a corporation of New York
Application August 7, 1951, Serial No. 240,633
12 Claims. (Cl. 88-57)

LENS	RA DII	THICKNESSES	$f/\#$	V	GLASS TYPES
I	$R_1 = 0.013$ $R_2 = 2.742$ $R_3 = 0.307$ $R_4 = 0.000$	$t_1 = 0.077$ $t_2 = 0.016$ $t_3 = 0.000$ $t_4 = 0.000$	1.5411	00.9	541300
II	$R_5 = 0.331$ $R_6 = 0.307$ $R_7 = 0.000$ $R_8 = 0.000$	$t_5 = 0.013$ $t_6 = 0.000$ $t_7 = 0.000$ $t_8 = 0.000$	1.7000	27.7	751277
III	$R_9 = 0.334$ $R_{10} = 0.000$ $R_{11} = 0.000$ $R_{12} = 0.000$	$t_9 = 0.025$ $t_{10} = 0.000$ $t_{11} = 0.000$ $t_{12} = 0.000$	1.8111	34.9	811300
IV	$R_{13} = \text{plane}$ $R_{14} = \text{plane}$ $R_{15} = 0.000$ $R_{16} = 0.000$	$t_{13} = 0.013$ $t_{14} = 0.000$ $t_{15} = 0.000$ $t_{16} = 0.000$	1.817	34.9	817400
V	$R_{17} = 0.040$ $R_{18} = \text{plane}$ $R_{19} = 0.000$ $R_{20} = 0.000$	$t_{17} = 0.024$ $t_{18} = 0.000$ $t_{19} = 0.000$ $t_{20} = 0.000$	1.7000	22.3	700000
VI	$R_{21} = 0.340$ $R_{22} = 0.000$ $R_{23} = 0.000$ $R_{24} = 0.000$	$t_{21} = 0.027$ $t_{22} = 0.000$ $t_{23} = 0.000$ $t_{24} = 0.000$	1.8411	30.9	841300
VII	$R_{25} = 0.103$ $R_{26} = 0.000$ $R_{27} = 0.000$ $R_{28} = 0.000$	$t_{25} = 0.000$ $t_{26} = 0.000$ $t_{27} = 0.000$ $t_{28} = 0.000$	1.8256	24.3	825600
VIII	$R_{29} = 0.037$ $R_{30} = 0.000$ $R_{31} = 0.000$ $R_{32} = 0.000$	$t_{29} = 0.043$ $t_{30} = 0.000$ $t_{31} = 0.000$ $t_{32} = 0.000$	1.517	33.9	517000

P The stop has 2400 lines R_2 toward P_2
 R_2 & back focus.

1. A telephoto objective having a telephoto ratio between about 0.77 and about 0.95, which comprises a front (long conjugate side) group of net positive effect, a rear (short conjugate side) group of net negative effect separated from the front group by an axial distance equal to at least 0.3 F and not exceeding about 0.4 F, F being the focal length of the system, and a hyperchromatic group lying between said front and rear groups and spaced a substantial distance from both groups, the hyperchromatic group having a power lying in the range from

$$-\frac{0.25}{F} \text{ to } \frac{0.45}{F}$$

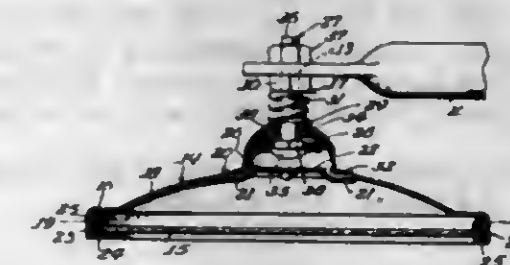
and being chromatically under-corrected for the system as a whole and the front and rear groups being individually chromatically over-corrected for the system as a whole, the under-correction of the hyperchromatic group balancing the total over-correction of the front and rear groups.

2,629,286

REARVIEW MIRROR STRUCTURE
Frances Budreck, Chicago, Ill., assignor to Monarch Tool & Machinery Co., Chicago, Ill., a corporation of Illinois
Application September 7, 1950, Serial No. 183,516
4 Claims. (Cl. 88-98)

1. As a new article of manufacture, a rear view mirror structure adapted to be connected by a bracket to a vehicle and comprising a one-piece

stamped metal cup-shaped shell consisting of a completely imperforate crosswall with an integral outwardly extending flat circular boss on its central portion, and a continuous side wall connected to the marginal portion of the crosswall, a mirror plate extending across the space within the side wall and having its marginal portion in sealed relation with said side wall, and an exteriorly disposed universal joint extending between the shell crosswall and the bracket, operative to support the shell together with the mirror plate for angular adjustment in different directions, and embodying a hollow substantially hemispherical one-piece stamped metal member formed separately from the shell, disposed adjacent, and having the apex portion thereof projecting away from, the central portion of the shell crosswall, having an opening in its apex

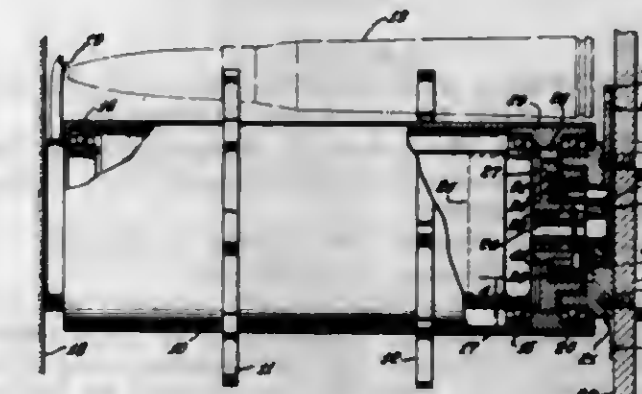


portion, and provided at its marginal portion with an integral outwardly extending right angle flange that is shaped conformably to, fits directly and flatly against, and is welded to, the outer surface of said boss, a head and shank type bolt extending loosely through said opening in the apex portion of the hollow member, having the head end thereof disposed within said member, and provided at the outer end of its shank with means for attachment to the bracket, an outer cup-shaped washer mounted on, and extending around the shank of the bolt and arranged in sliding engagement with the outer surface of the portion of the hollow member that defines the central opening, and means on the shank of the bolt for yieldingly maintaining said outer cup-shaped washer in sliding engagement with said outer surface of the last mentioned portion of the hollow member.

2,629,287

ANTIROLLBACK BRAKE FOR AMMUNITION BOOSTERS

Charles B. Pearson, Huntington Park, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application January 10, 1948, Serial No. 1,572
15 Claims. (Cl. 89-33)



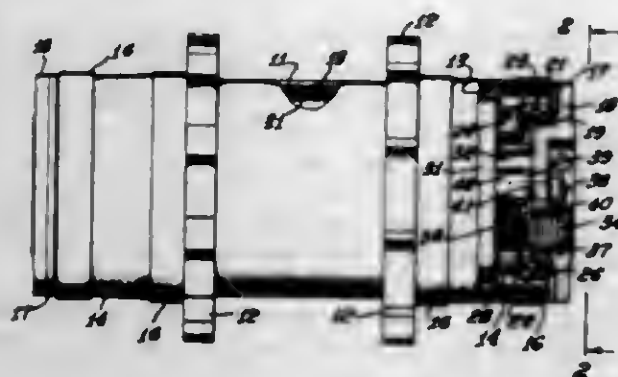
4. In an ammunition booster having an ammunition carrying sprocket and a rotary power source, a power transmission for rotating the sprocket from the power source in one direction,

said transmission comprising: a rotatable member coupled between said sprocket and said power source for rotating said sprocket in said one direction said member having an interior cylindrical surface; stationary supporting means adjacent said member; and a close wound coil spring having one end fixed to said supporting means and having its exterior surface in frictional contact with said cylindrical surface, said spring being wound away from said one end in said one direction whereby rotation of said member in said one direction contracts said spring to reduce the pressure of said frictional contact while rotation of said member in a direction counter to said one direction expands said spring to increase said pressure and stop said counter rotation.

2,629,288

ANTIROLLBACK BRAKE FOR BOOSTERS

Leif E. Janssen, Calatoga, and John A. Warren, North Hollywood, Calif., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application October 10, 1947, Serial No. 779,046
8 Claims. (Cl. 89-33)



8. In an ammunition booster, rotary means for contacting and moving ammunition, power means coupled to said rotary means for rotating said rotary means in one direction, means coupled to said power means for preventing rotation of said power means and said rotary means in a direction opposite to said one direction, the last-named means comprising a continuously engaged one-way friction brake including a first member coupled to said power means for rotation by said power means and a second member having one fixed end, said second member being in frictional engagement with said first member, and manually operable means for releasing said first and second members from frictional engagement.

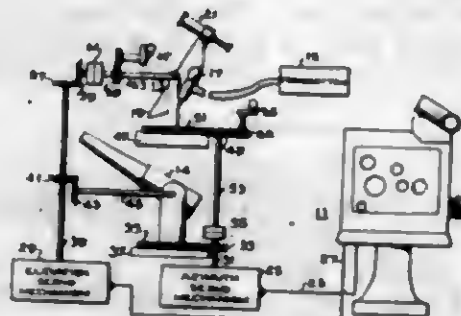
2,629,289

FIRE CONTROL APPARATUS FOR CONTROLLING THE FLIGHT OF MISSILES

Paul B. Hunter, Metuchen, N. J., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application May 3, 1945, Serial No. 591,727
3 Claims. (Cl. 89-41)

1. Fire control apparatus for controlling the flight of missiles comprising means for projecting a missile, a computer for positioning said projecting means for causing the missile to follow a desired predicted course for obtaining collision with a target, means for sighting the missile and the target as these elements approach each other, and means for projecting a pencil beam of electromagnetic energy toward the missile and target, said beam having a field intensity

which is a maximum along its axis and tapers off progressively at successive points removed therefrom, said missile having steering means responsive to variations in the field intensity of

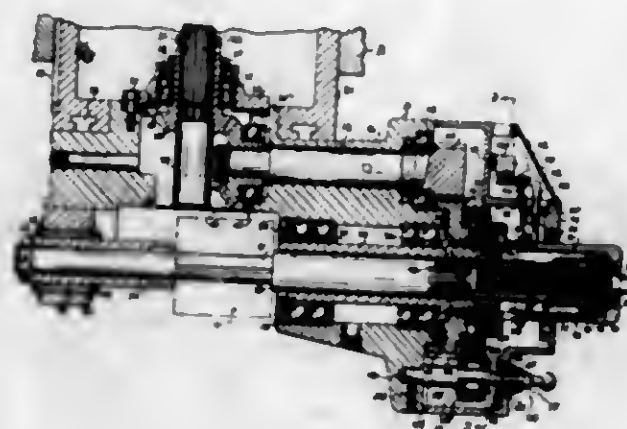


said beam and means for adjusting said beam projecting means for correcting the direction of said pencil beam and the course of said missile to produce a collision course between said projectile and the target.

2,629,290

HOBGING MACHINE

Otis E. Staples, Euclid, and Anthony J. Bent, Willoughby, Ohio, assignors to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio
Application October 27, 1948, Serial No. 56,726
15 Claims. (Cl. 90-4)

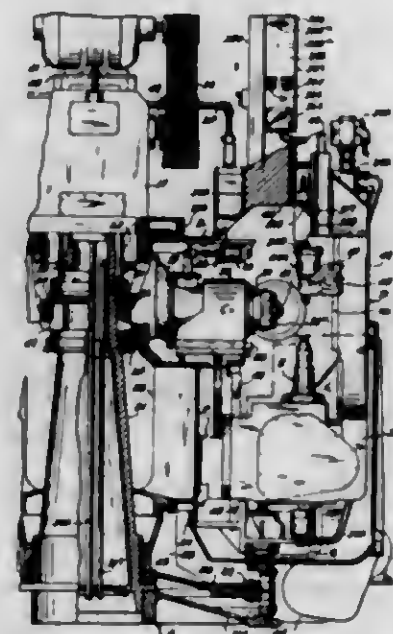


1. A hob head for an electrically controlled hobbing machine comprising a hob arbor driven by an electric motor, means journaling said hob arbor for rotary and axial movements, means adapted to be rotated and including gearing operatively connected to said arbor adjacent one end of the latter for producing rotation and axial movement of the arbor, the distance of the said axial movement for each hobbing operation performed by a hob on said arbor being a small fraction of the useful length of the hob, means connected with said hob arbor intermediate said gearing and the adjacent end of said arbor for movement with the latter, an electrical switch adapted to be connected in the control circuit for the hobbing machine to control the motor which operates said arbor, and means cooperating with said switch and the said means connected with the arbor to actuate the said switch when the arbor has moved axially a predetermined distance corresponding to the useful length of the hob on said arbor.

2,629,291

MACHINE TOOL

Otis E. Staples, Euclid, Ohio, assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio, a corporation of Ohio
Application June 26, 1947, Serial No. 757,256
51 Claims. (Cl. 90-4)



1. A machine tool of the character described comprising a base, a turret supported by said base for rotation about a vertical axis, a plurality of operational units supported by said turret at circumferentially spaced points thereabout, means for rotating said turret whereby said units are moved in sequence through a loading station, each of said units including a rotatable tool spindle, a rotatable work spindle and means for producing movement of one of said spindles relative to the other in a vertical direction so that a tool mounted on the tool spindle engages and machines a workpiece mounted on the work spindle, a single power source for rotating the spindles of all of said units, a clutch for each unit interposed between the said power source and the spindles of that unit, separate electrical means for each unit adapted to effect operation of the clutch of the unit, and means on each of said units automatically actuating the said electrical means of that unit in response to the said vertical movement between the tool and work spindles of that unit.

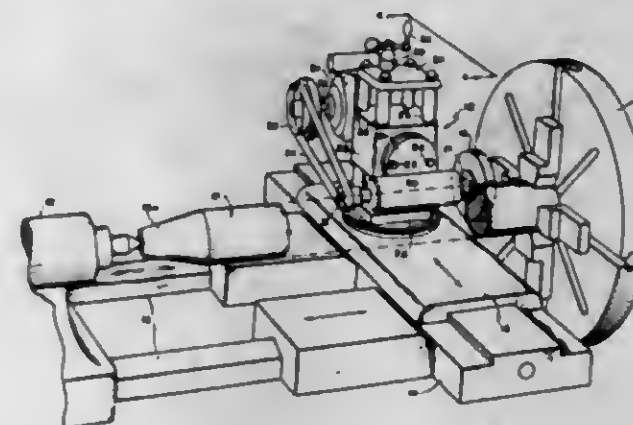
49. A machine tool of the character described comprising a frame, a tool spindle rotatably supported by said frame, a work spindle rotatably supported by said frame, means for rotating said spindles in timed relationship to each other and for moving one of said spindles relative to the other at a feeding rate and in a direction coincident with the direction of the axis of said work spindle, means connected with said spindle rotating means for moving said tool spindle axially while the said spindles are rotated with the axial movement of said tool spindle being at a slower rate than the said feeding movement, electrical means controlling said feeding movement, electrical switch means operated by said tool spindle when the latter has reached one extreme axial position thereof, and an electrical circuit operatively connecting said switch means to said electrical means so that operation of said switch means prevents initiation of the said feeding movement, the said circuit including means bridging said switch means during said feeding movement thereby permitting the said feeding

movement to continue to completion when the tool spindle actuates the said switch means during the feeding movement.

2,629,292

MACHINE-TOOL UNIT

David Sandridge McCullough, New York, N. Y.
Application June 7, 1950, Serial No. 166,577
5 Claims. (Cl. 90-15)

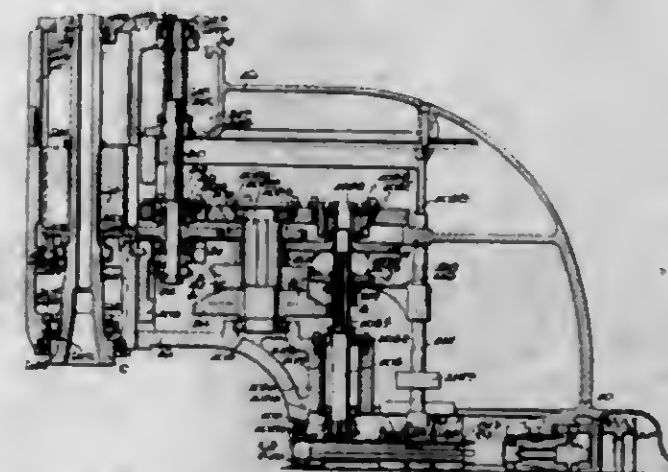


1. A supplementary machine tool unit comprising a frame having a guide member and a base that embodies means for attachment to a supporting surface, a motor supported from the frame, motor support means for adjusting the motor 180° in relation to the base, said motor having a motor shaft, a driving pulley on the motor shaft, a tool shaft housing supported from that side of the frame opposite the motor, means for adjusting the housing in respect to the base, a tool shaft alike at both ends journaled in the housing, a driven pulley, a belt connecting the pulleys, means for mounting the driven pulley at whichever of the alike ends of the tool shaft corresponds with the driving pulley, and means for removably securing a tool on the tool shaft at whichever end of the shaft is opposite the driven pulley.

2,629,293

MACHINE TOOL

Theodore F. Eserkain, Wauwatosa, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application May 5, 1946, Serial No. 25,140
3 Claims. (Cl. 90-16)



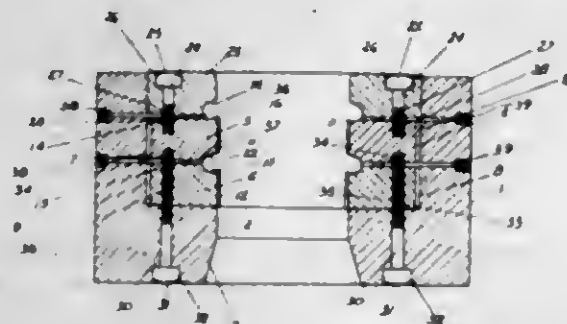
3. In a machine tool, in combination, a cutter spindle head unit mounted for movements in either direction along a straight line path, a cutter spindle mounted and journaled in said head unit in position with its axis parallel with the

path of head unit movement, a feed screw for said head unit mounted in position removed from said head unit and parallel with said cutter spindle, a drive for said cutter spindle including a gear mounted in position removed from said head unit for rotation about an axis parallel with the axis of said cutter spindle, said gear being provided with an axial bore therethrough, and said feed screw being extended through said bore for relative rotation of said gear and said screw independently of each other.

2,629,294

BROACH ASSEMBLY

Stanley J. Kopec, Northville, Mich.
Application November 5, 1951, Serial No. 254,897
9 Claims. (Cl. 90—33)

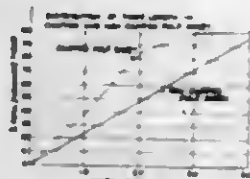


1. In a broach assembly, in combination, a holder, annular broach rings disposed in said holder, each of said broach rings having an annular intermediate groove on the upper side thereof and an annular marginal groove on the inner edge thereof, and a pilot ring disposed in axial alignment with said broach rings for axially piloting a cylindrical workpiece through said broach rings, said broach rings having passages connecting said intermediate annular grooves and said marginal grooves.

2,629,295

METHOD OF MAKING PAPER

George A. Richter and Robert H. MacClaren, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 15, 1945, Serial No. 599,542
4 Claims. (Cl. 92—20)

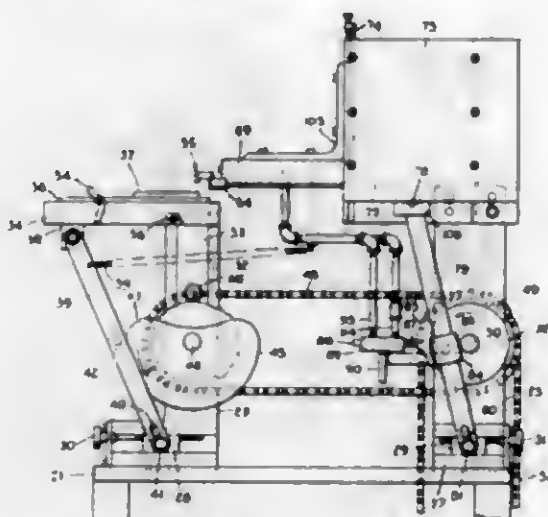


1. A method of preparing paper which consists in transversely cutting a dry sheet of coniferous wood pulp, the fibers of which mainly run lengthwise, at intervals of approximately $\frac{1}{4}$ of an inch, thereby forming chips of that approximate width, agitating the chips in water to disperse the pulp fibers therein and to form a suspension having a slowness of 5-100 seconds by the Williams freeness test, providing the suspension with sizing chemicals and preparing paper from the pulp suspension while maintaining the slowness within 5-100 seconds whereby paper of good flatness, low wet expansion and uniform formation is obtained.

2,629,296

MACHINE FOR AUTOMATICALLY CARDING CURLERS

William F. Feyrer, Englewood, N. J., assignor to Solo Products Corporation, a corporation of New Jersey
Application February 10, 1948, Serial No. 7,473
8 Claims. (Cl. 93—1)



1. A carding machine comprising a card delivery station, an article delivery station and an assembly station arranged intermediate the first named stations, means delivering cut cards one at a time to the assembly station, means at the assembly station for supporting a card flatly in the operation of mounting an article thereon, means feeding an article from the article receiving station to a position beneath the card at the assembly position, means in combination with said last named means for engaging an article and moving the same upwardly through the cut of a card supported at the assembly station in mounting the article on the card, means to then remove the article supporting and operating means from the path of the assembly station, means to then release the card with the article thereon for removal from the machine, said assemblage station comprising a card receiving platen, the platen having means for fixedly supporting a card thereon in the assemblage of an article therewith, said first named means comprising a card pick-up and carrier slide reciprocating back and forth with respect to the assembly station, said article feeding means comprising a platen, and means for moving the platen toward and from the card holder platen in two different directions angularly with respect to each other.

2,629,297

APPARATUS FOR PRODUCING PROTECTIVE BINDING FROM FLAT STOCK

George T. Cumming, St. Edward, Nebr., assignor to Luther D. Tillery and Hubert B. Tillery, both of Kansas City, Mo.
Application November 16, 1950, Serial No. 195,987
3 Claims. (Cl. 93—1)



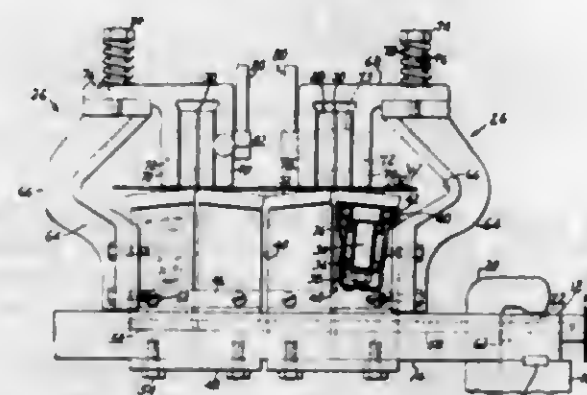
1. Apparatus for producing an elongated, tubular protective binding having a longitudinal channel, said apparatus including a frame; opposed

pressure rollers carried by said frame for advancing a flexible, binding-producing strip along the frame as the strip is fed to the frame at one end thereof and passed between the rollers; structure disposed for engagement with one face of the advancing strip for applying adhesive thereto; and a number of spaced-apart, aligned, strip-receiving die members on the frame for folding the marginal edges of the strip upon said one face thereof as the strip is advanced, presenting a pair of spaced tubular portions and a channel between said portions, said rollers being disposed within the channel to force said edges against said one face of the strip for joining therewith through the medium of the adhesive thereon, there being a plurality of pins carried by the frame between the tubular portions in overlying sliding engagement with said edges for holding the same against unfolding.

2,629,298

MECHANISM FOR CREASING BOX BLANK MATERIAL

George S. Sillars, Beverly, and Walter B. Hall, Needham, Mass., assignors to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application December 15, 1948, Serial No. 65,424
2 Claims. (Cl. 93—58.1)



1. Web-creasing mechanism comprising a pair of frusto-conical web-engaging rolls, each of said rolls having a large web-engaging end face and a smaller end face, means supporting said rolls for rotation about axes so inclined to each other that a crease-receiving notch having walls diverging from that side of the web engaged by the rolls is formed between the peripheries of the rolls and that the large web-engaging end faces of the rolls are nearly parallel with but diverge slightly from the plane of the web engaged by the rolls in directions away from said notch, and means cooperating with said rolls for forming a crease in the web.

2,629,299

CLOTH FOLDING SHUTTLE

John C. Hecker and John E. Moore, Collinsville, Ill.
Application May 2, 1949, Serial No. 90,949
3 Claims. (Cl. 93—84)



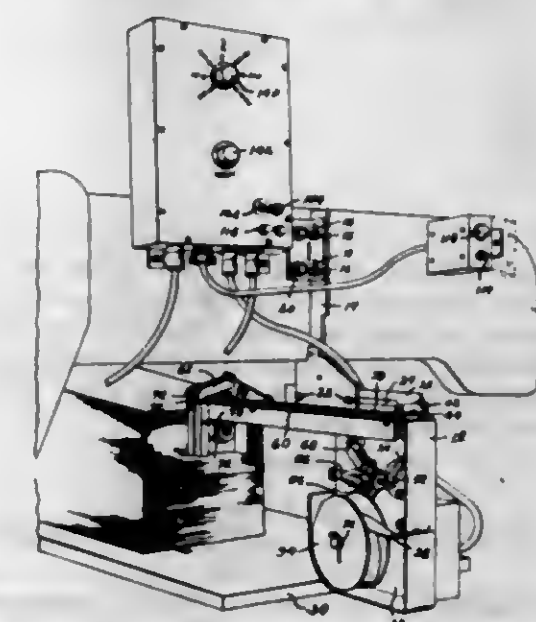
3. A cloth folding device, comprising a funnel-like member having two connected sections; one uninterrupted side of the first section being bent inwardly to form a U-shaped portion

spaced from the opposite side of the section so as to provide a passage having a U-shaped configuration therebetween; one uninterrupted side of the second section being bent inwardly to form a V-shaped portion, the bottom edge of the V-shaped portion being spaced from the opposite side of the section so as to provide a pair of connected passages having a V-shaped configuration; said opposite sides of the sections being split and having overlapping edges to permit the passages to enlarge laterally.

2,629,300

SHEET COUNTING AND TAB INSERTING DEVICE

Robert B. Smith, Dayton, Ohio, assignor to The Reynolds & Reynolds Company, Dayton, Ohio, a corporation of Ohio
Application February 16, 1949, Serial No. 76,712
6 Claims. (Cl. 93—93)



1. In combination with an offset printing press having an impression cylinder and a blanket cylinder; means for inserting tabs at predetermined intervals in the stack of printed sheets leaving the printing press comprising, means for supporting a roll of flexible strip material, counting means operated in response to rotation of said impression cylinder, tab feeding means for feeding the end of said flexible strip material onto the top of the stack of printed sheets, and means operated by said counting means in response to delivery of a predetermined number of printed sheets after each operation of said tab feeding means for severing the end portion of said flexible strip material, said counting means including a first switch means operative in response to rotation of said impression cylinder and a second switch means operative in response to sidewise movement of said blanket cylinder for modifying the operation of said counting means so as to compensate for failure of the printing press to print sheets while the impression cylinder is still operating.

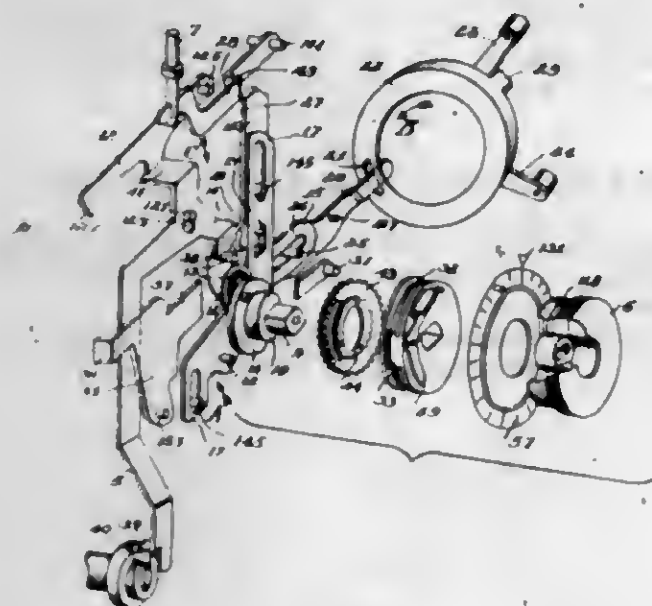
2,629,301

PHOTOGRAPHIC CAMERA CONSTRUCTION

Wilhelm Knauf, Braunschweig, Germany, assignor to Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate, Braunschweig, Germany, a firm
Application November 14, 1950, Serial No. 195,545
In Germany October 31, 1949
14 Claims. (Cl. 95—31)

1. A photographic camera of the type including a take-up spool onto which film is wound for

drawing a fresh unexposed film area into a focal plane ready for exposure, a manually rotatable motivating and controlling cycle member, drive gearing connecting the latter to the take-up spool means actuated by the cycle member for locking the take-up spool against film winding

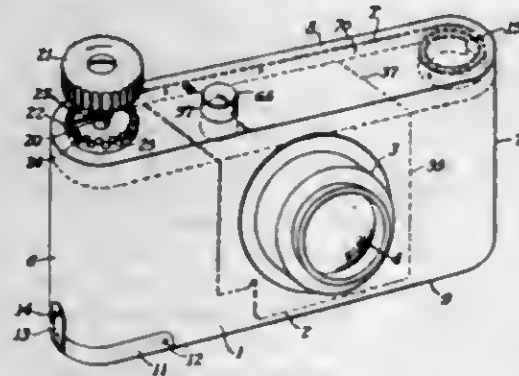


turning movement, a measuring roller engaging the film and turned by the feeding movement of the film, and means actuated by the cycle member for locking said measuring roller against rotation substantially simultaneously with the locking of said take-up spool.

2,629,302

TAPE-CONTROLLED CAMERA SHUTTER AND RELEASE

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 10, 1951, Serial No. 214,959
14 Claims. (Cl. 95-31)



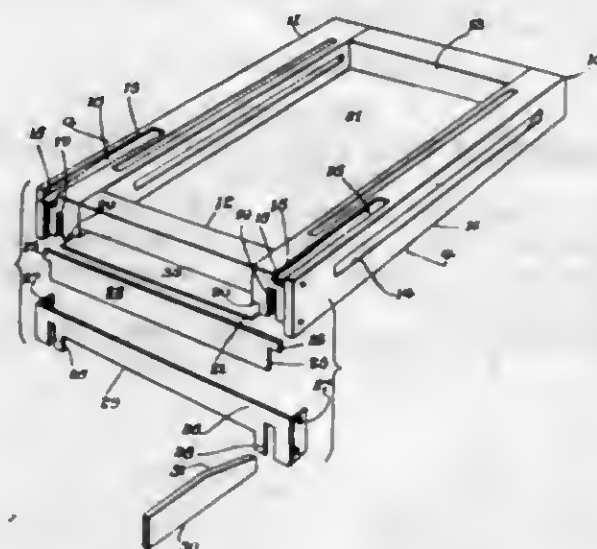
1. In a roll-holding camera, the combination with a camera body including film chambers, an exposure frame, a winding key extending into one spool chamber to support a film spool therein, of a perforated spring metal tape operably connected to the winding key and adapted to move into a coil, the perforations being spaced a distance to define a picture area, said tape being moveable with the winding key-post to control movement thereof, a shutter mechanism including a spring and shutter blades movable thereby, a shutter-setting lever for tensioning the spring, an indexing lever pivoted thereto, an aperture-engaging finger on the indexing lever normally contacting with the perforated tape, a movable shutter trigger, and means on the trigger lying in the path of movement of the shutter-setting lever for limiting movement of the

shutter setting and indexing levers to determine the winding necessary to present a fresh area of film into position for exposure while a tape aperture moves the indexing lever through engagement with the aperture-engaging finger, whereby said finger engaging a tape perforation may stop movement of the tape and film.

2,629,303

FILM RECEIVING FRAME

Garnet P. Grant, Jr., Old Greenwich, Conn., assignor to Grant Photo Products, Inc., New York, N. Y., a corporation of Delaware
Application January 31, 1951, Serial No. 208,817
5 Claims. (Cl. 95-67)



1. A frame to receive and hold exposed photographic film comprising, a rectangular container having spaced lateral wall members therein and spaced front and rear support members between the said lateral members, a longitudinal groove in the top of each of the lateral members, said groove extending rearwardly from the front of the lateral members, a spring carried within each groove and projecting therefrom, a sinuous light-blocking, liquid-admitting opening carried in the wall of the container, a film receiving opening in the front of the said container and a knife-like gate member upon the frame overlaid by the projecting ends of the springs, and adapted to be moved up and down over the said front opening.

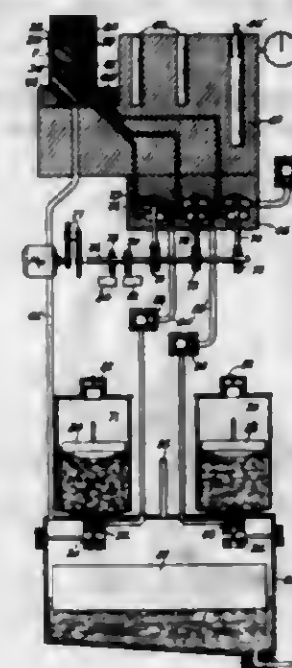
2,629,304

APPARATUS FOR PROCESSING FILM

Clifton M. Tuttle, Huntington Station, and Ralph E. Klauss, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 24, 1948, Serial No. 35,003
10 Claims. (Cl. 95-94)

1. An apparatus for processing an exposed light-sensitive film strip a frame at a time comprising a processing drum provided with a recess in its periphery corresponding in configuration to the frames of the film strip, means for holding said film strip in wrapped relation on the periphery of said drum to provide a fluid-tight seal between the film strip and the recess and with a frame in alignment with said recess and with the emulsion surface facing said recess, a conduit for processing fluids extending longitudinally through said drum and including said recess intermediate its ends, a reservoir of processing fluid, a feed line connecting said reservoir with the entering end of said conduit, and means for

creating and maintaining a suction in said fluid feeding system in the direction of said exhaust

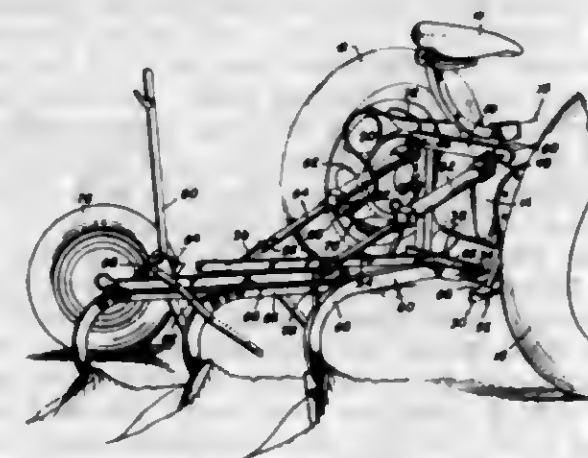


line whereby operation of said fluid feed system depends upon a film strip being in covering relation with said recess in the processing drum.

2,629,305

COUPLING FOR UNITING A FARMING IMPLEMENT TO A TRACTION VEHICLE

Alfred E. Schenewolf, Clinton, Okla.
Application October 27, 1948, Serial No. 56,826
1 Claim. (Cl. 97-50)



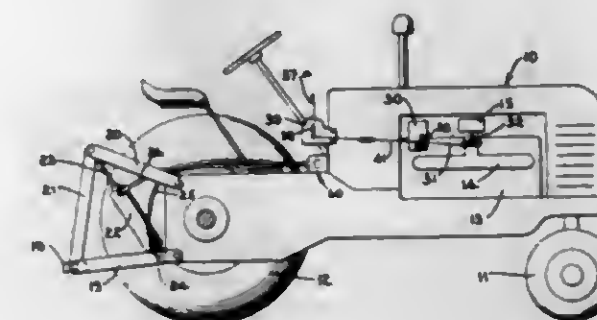
A coupling for uniting a farming implement to a traction vehicle comprising a bracket vertically mounted on the rear end of the vehicle, a rocking bar pivotally supported by the bracket transversely to the longitudinal axis of the vehicle and for rocking movement about a horizontal axis, a drawbar pivoted intermediate its ends to the rocking bar to swing about a vertical axis perpendicular to the axis about which the rocking bar rocks for securing horizontal rocking movement of said drawbar, means for rigidly coupling a farm implement to the drawbar whereby said implement is laterally movable with respect to said vehicle, a cross bar secured to the vehicle above and parallel with the rocking bar, hydraulic cylinders coupled at one end to the cross bar for universal movement, piston rods working in said cylinders remote from the vehicle, means pivotally coupling the extending ends of each piston rod to the farming implement, a fluid pressure line connected to said cylinders, a control valve in said line and re-

motely positioned with respect to said cylinders for controlling the flow of fluid into and out of the cylinders and thereby regulating the vertical angular movement of the implement on the rocking bar.

2,629,306

HYDRAULIC CONTROL SYSTEM

Theodore C. Rusconi, Sanger, Calif.
Application July 15, 1949, Serial No. 104,874
7 Claims. (Cl. 97-50)



1. In combination, a tractor having an engine for motivating the tractor in earth traversing movement, a source of electrical energy, a throttle controlling fuel supply to the engine, and a source of hydraulic fluid under pressure; a tool bar mounted on the tractor for elevational movement; a two-way ram interconnecting the tractor and the tool bar and elevationally positioning the tool bar by telescopic adjustment of the ram; a governor mounted on the tractor and connected to the engine; a hydraulic system interconnecting the source of fluid under pressure and opposite end portions of the ram; said system including valve means adapted to direct hydraulic fluid under pressure from the source thereof to either end of the ram while simultaneously opening the other end of the ram to bleed hydraulic fluid therefrom; electro-magnetic means having controlling connection to the valve means; an electrical circuit interconnecting the source of electrical energy and the electro-magnetic means; and a switch in the circuit connected to the governor having an open condition in which it is positioned by the governor when the engine is operated at a predetermined speed, a tool bar lowering condition providing an electrical path therethrough to the electro-magnetic means regulating the valve means to extend the ram in which it is positioned by the governor when the engine speed increases beyond said predetermined speed, and a tool bar raising condition providing a second electrical path therethrough to the electro-magnetic means regulating the valve means to contract the ram in which it is positioned by the governor when the engine speed decreases below the predetermined speed.

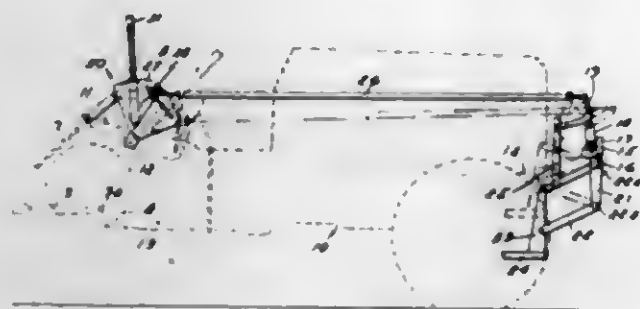
2,629,307

IMPLEMENT POWER LIFT AND POSITION CONTROL

John H. Boll, Dearborn, and Arthur V. Raught, Birmingham, Mich., assignors to Dearborn Motors Corporation, Birmingham, Mich., a corporation of Delaware
Application November 23, 1951, Serial No. 257,780
1 Claim. (Cl. 97-50)

For use with a tractor having a power actuated lateral rock shaft including a rock arm, a first

implement mounted on the tractor front end for vertical movement and a second implement mounted on the tractor rear end for vertical movement and connected to the rock arm, a power lift device comprising a quadrant secured to the end of the rock shaft, a manually operable lever pivotally secured to said quadrant member, said quadrant and said lever respectively having slots formed therein, said quadrant slot being so constructed and arranged as to intersect said lever slot throughout the range of angular movement of said lever, means for securing said lever arm in any one of the plurality of angular posi-

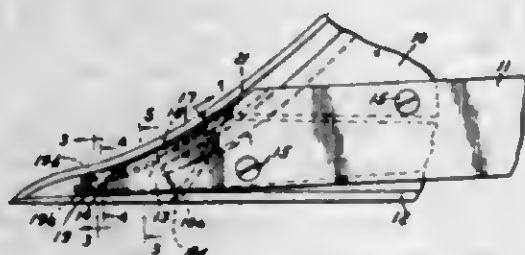


tions relative to said quadrant, a link operatively connected at its one end to the first implement and at its other end in said slots at their point of intersection, whereby displacements of said link by said slot intersection vertically moves the first implement as the rock shaft is rotated, at least one of said angular positions of said lever producing a path of movement for the intersection of said slots which is substantially equidistant from said first implement over the entire range of movement of said quadrant, thereby maintaining said first implement in a raised position while permitting vertical adjustment of said second implement.

2,629,308

REPLACEABLE POINT FOR PLOW SHARES

Ralph C. Frevik, Detroit, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application January 12, 1950, Serial No. 138,207
6 Claims. (Cl. 97-125)



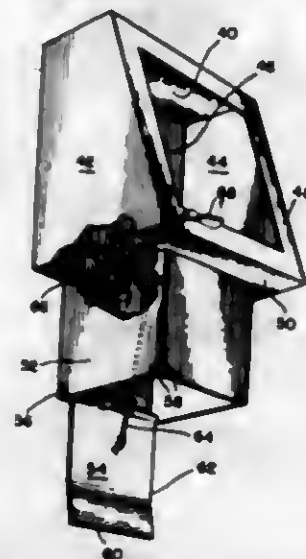
1. A plow construction comprising a frog having angularly disposed moldboard and landside faces and a forwardly opening recess, a landside having a tapered forward end, means for securing said landside on said frog, a share secured to the moldboard face of said frog, a replaceable share point having a rearwardly projecting lug on its rear face, a projection on said lug engageable with said frog recess, an angularly shaped member secured to the rear face of said share point adjacent said lug, said angularly shaped member defining a socket for snugly receiving the tapered forward end of said landside, and bolt means for securing said share point to said frog in abutment with the forward end of said share.

2,629,309

METHOD AND MEANS FOR HOT-AIR RADIANT HEATING

Anard A. Lahti, Auburn, Wash., assignor of fifty per cent to Forest Glen Ayers, Dash Point, Wash.

Application August 18, 1950, Serial No. 180,197
2 Claims. (Cl. 98-106)



1. A hot air register providing means for exhausting air from an air duct, comprising: an upper housing having a top wall, two side walls, a back wall and a front wall sloping in a direction toward said back wall as it extends upward, said front wall having an opening for exhausting air from said register; a scoop housing depending from said upper housing and having an open bottom, said scoop housing being square in horizontal cross-section; a horizontal air duct disposed below said open bottom and in communication therewith; a square air scoop having a through pin running along one edge of the same; said scoop housing having eight openings in its sides positioned a short distance above said open bottom of said scoop housing, said openings being disposed in pairs, on opposite side walls of said scoop housing near a side wall joining said opposite walls, said air scoop having the ends of said through pin positioned in one of said pairs of openings providing means for pivotally connecting said scoop to said scoop housing selectively to swing from any side of said scoop housing; a crank member positioned in said upper housing and having an operating handle for manual operation of said crank member; and a connecting rod between said crank member and said scoop, whereby said scoop may be pivoted from a position above said horizontal duct to a position blocking said duct thereby directing air from said duct through said register.

2,629,310

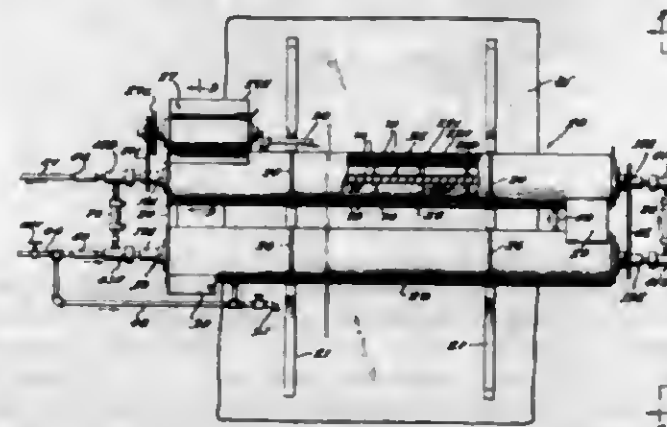
COOLER FOR ALFALFA MEAL AND THE LIKE

William F. Harder, Lincoln, Nebr.

Application April 29, 1950, Serial No. 159,097
2 Claims. (Cl. 99-235)

1. In a cooler for alfalfa meal and the like, a first elongated water-jacketed cylinder having a feed inlet on its upper side at one end and having a feed outlet on its lower side at the other end, a second elongated water-jacketed cylinder connected to the first cylinder through said feed outlet, a supply hopper disposed over said inlet and having a pair of parallel feed rolls disposed in spaced apart relation therein for crushing lumps of meal and the like and feeding the same into

said first cylinder, a cooling and advancing reel disposed within each of said cylinders for rotation about the axes of said cylinders and comprising a central shaft structure having liquid passages extended axially for a limited distance into each end, hollow support tubes on each of said shaft structures and extended radially from the inner ends of said passages at each end of the respective shafts, rigid ducts extended parallel to each of said shafts and supported on said hollow support tubes parallel to but spaced inwardly from the inner surface of the associated cylinder, stir-



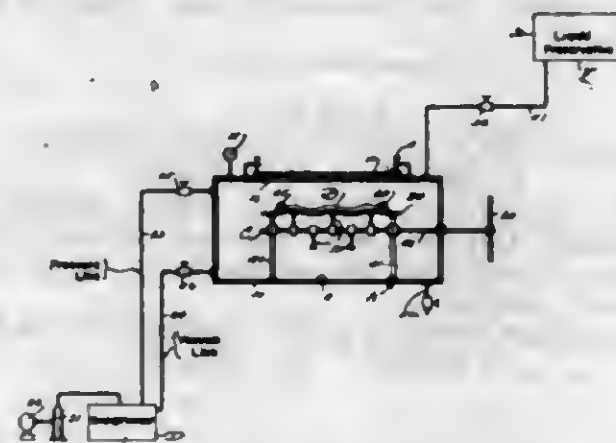
ring and advancing blades mounted on said ducts and extended into relatively close relation to said inner surface of each of said cylinders, means for supplying cooling liquid to the passages of said reels and to the said water jackets of said cylinders, means for rotating said reels and for imparting advancing movement to the material in opposite directions longitudinally in the respective cylinders whereby the material is advanced toward and away from said feed outlet, and means for imparting feeding rotation to said feed rolls, in timed relation to the reels.

2,629,311

APPARATUS FOR PRESERVING MEAT

Robert C. Graves, Washington, D. C.

Application June 28, 1949, Serial No. 101,736
1 Claim. (Cl. 99-255)



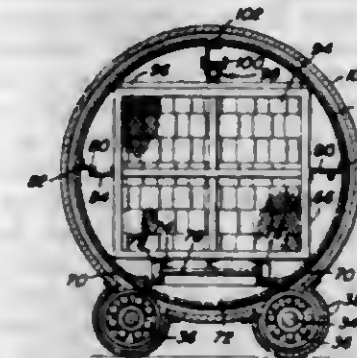
Apparatus for the treatment of meat comprising a container having a compartment therein, a flexible screenlike table in the compartment for supporting a body of flexible meat, such as a belly of bacon, means to clamp the belly of bacon in position upon the table against movement from the table, mechanical means carried by the container for variably flexing the table and the body of meat therewith, means to subject the compartment of the tank to vacuum or super-atmospheric pressure, means to supply a liquid preservative to the tank, and means to drain the liquid preservative from the tank.

2,629,312

PRESSURE COOKER

Hamilton C. Davis, Diablo, Calif., assignor to Walnut Creek Canning Co., Walnut Creek, Calif., a corporation of California

Application September 30, 1949, Serial No. 118,850
2 Claims. (Cl. 99-371)



1. A pressure cooker comprising an outer shell and conduit means for conveying steam there-through, an inner perforated shell, leg supports carried by said outer shell including bearings for rotatably mounting said inner shell within said outer shell, retort baskets for retaining stacked cans, means for slidably and guidingly retaining said retort baskets in said inner shell, and means for rotating said inner shell within said outer shell, said retort baskets including a removable cover and means for lockingly retaining said cover in place on said retort baskets and within said inner shell, said last-named means including a screw type toggle jack secured to the top of said cover, a channel bearing member carried by said jack and a bar carried by said inner shell receiving said channel bearing member.

2,629,313

ROTARY ROASTING FORK

Lon A. Norville, Jr., and James L. McDonald, Jr., Richmond, Calif.

Application April 28, 1950, Serial No. 158,698
2 Claims. (Cl. 99-421)



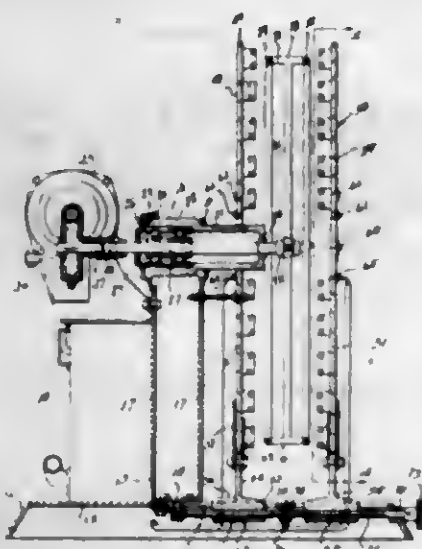
1. In a roasting fork, a relatively rigid support rod having a fixed handle on its rearward end, a rear bearing plate fixed on and projecting laterally of the longitudinal axis of said rod and extending crosswise of the rod, said rear bearing plate being spaced forwardly from said handle, a forward bearing plate fixed on and projecting laterally of the longitudinal axis of said rod on the same side thereof as said rear bearing plate and extending crosswise of the rod, said front bearing plate being wider than said rear bearing plate and having end portions projecting laterally outwardly from the rod and from the ends of the rear bearing plate, said bearing plate being formed with longitudinally aligned center bearing holes, a center line journaled in said center bearing holes, said center line having a rear end reaching rearwardly beyond the rear bearing plate and journaled in said handle and a forward end reaching forwardly beyond said front bearing plate, said front bearing plate having side bearing holes displaced laterally outwardly from the center bearing hole thereof, said rear bear-

ing plate having side bearing holes displaced laterally from the center bearing hole thereof, the side bearing holes of the front bearing plate being displaced laterally outwardly from the bearing holes of the rear bearing plate, flexible side tines journaled in the side bearing holes of the front and rear bearing plates whereby the side tines diverge forwardly with respect to the center tine, the side tines having forward ends reaching forwardly beyond the front bearing plate and rearward ends reaching rearwardly beyond said rear bearing plate and journaled in said handle, gears fixed on the side tines between the rear bearing plate and said handle, a gear fixed on the center tine between the rear bearing plate and the handle and meshed with the side tine gears, and a knob fixed on the center tine between the handle and the center tine gear, and a stabilizer plate positioned on the tines between the front and rear bearing plates, said stabilizer plate having a center hole slidably receiving the center tine and side holes slidably receiving the side tines, the side holes of the stabilizer plate being displaced laterally inwardly from the side bearing holes of the front bearing plate whereby forward movement of the stabilizer plate along the center and side tines produces laterally inward deflection of the side tines toward the center line so as to frictionally bind the tines against free rotation on their axes.

2,629,314

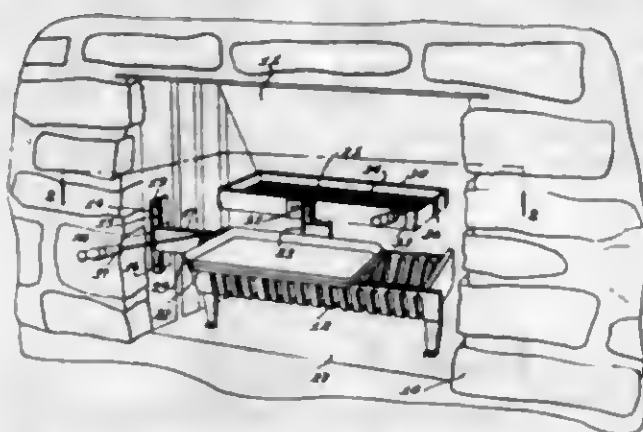
ROTATING ELECTRICAL BROILER

Louis Varady, Ford, N. J.

Application February 8, 1952, Serial No. 270,577
3 Claims. (Cl. 99-427)

1. An electrical broiler comprising a base, a pair of opposing parallel upstanding flat circular heating elements adjustably secured to said base, a rotary shaft journaled on said base normal to said heating elements and extending centrally therethrough, a circular grill secured to said shaft being arranged to receive food articles to be broiled for rotation of said food articles past the opposing surfaces of the heating elements, said heating elements each comprising a pair of semi-circular segments, means hingedly connecting said segments at their diametrical edges, and a channel-shaped clip pivotally connected to the end of one of the segments and arranged to lockingly engage the adjacent end of the other segment to releasably lock the segments in coplanar relationship.

2,629,315
FOOD COOKING APPARATUS
Livingston V. Schaar, Lake Orion, Mich.
Application September 26, 1950, Serial No. 186,827
5 Claims. (Cl. 99-446)

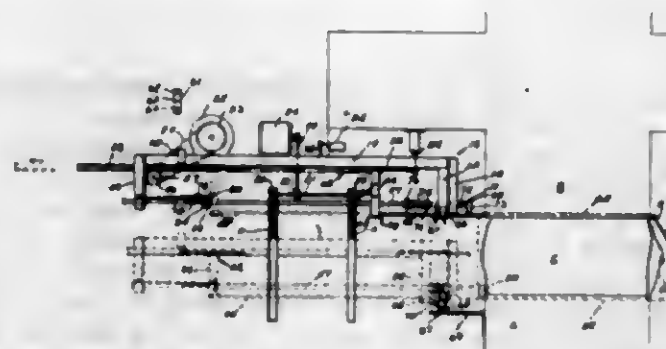


1. Apparatus for cooking food over an open fire comprising a support, a hinge butt mounted on said support and having vertically spaced apart cylindrical eye formations, an elongated crane arm having cylindrical eye formations disposed one at each end thereof with their longitudinal center lines substantially perpendicular to the longitudinal center line of said arm, one of the eye formations on said arm being disposed between the eye formations on said hinge butt, a first hinge pin extending through the eye formations on said hinge butt and said one eye formation on said arm pivotally connecting said arm to said hinge butt for swinging movements about a substantially vertical axis, a second hinge pin mounted in the other eye formation on said arm and extending upwardly therefrom, a first frame having thereon a hinge butt including an eye formation receiving said second hinge pin and resting on the upper end of the associated eye formation on said arm supporting said first frame in substantially horizontal position, a second frame having thereon a hinge butt provided with an eye formation receiving said second hinge pin and resting on the hinge butt of said first frame supporting said second frame in substantially horizontal position, and a grille carried by one and a pan carried by the other of said frames.

2,629,316

AUTOMATIC REEFER FOR COTTON COMPRESS MACHINES

Ray C. Tillinghast, Memphis, Tenn., assignor to National Cotton Compress and Cotton Warehouse Association, Memphis, Tenn., a corporation of Louisiana

Application January 8, 1951, Serial No. 204,997
17 Claims. (Cl. 100-8)

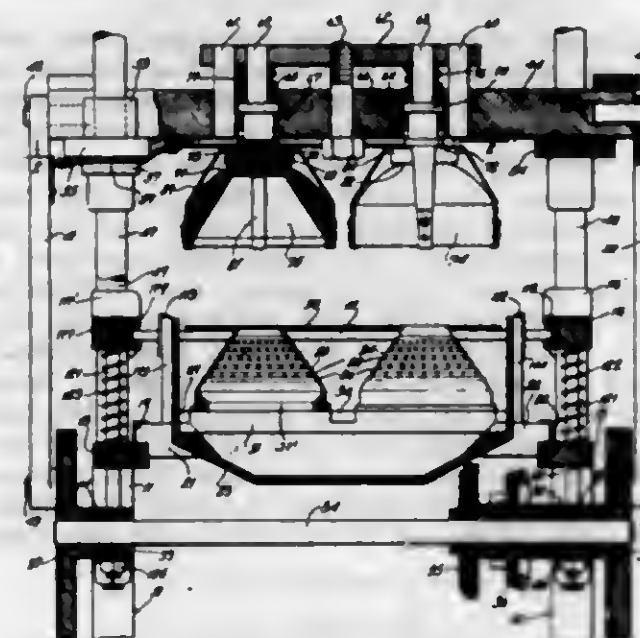
17. A reefer mechanism for bale compressing machines, comprising a tie-manipulating unit

having at least one tie-engaging finger lying in a plane parallel with the horizontal faces of a bale to be tied, means on the free end of said finger for engaging a tie element, a first support movable transversely between planes lying parallel with the horizontal surfaces of said bale, a second support on said first support, mounting said tie-manipulating unit for selective reciprocating movement in said planes, driving means for effecting movement of said second support in selected planes, driving means for shifting said first support from one plane to another, and control mechanism for said driving means for regulating the sequence of travel of said unit, whereby the tie-engaging end of said finger with a tie element in tow, is caused to follow a path which encircles three sides of a bale.

2,629,317

FRUIT JUICER

Talbert G. Nelson, New York, N. Y.

Application August 24, 1946, Serial No. 692,799
8 Claims. (Cl. 100-208)

7. A fruit juicer comprising a pair of stationary squeezing elements, a pair of cooperating movable squeezing elements adapted to press the fruit against the stationary elements, a movable beam having apertures, supports for some of the squeezing elements movably mounted in the apertures, springs bearing upon the supports whereby to adapt the squeezing elements to fruit skins of different thickness, means to support the beam movably, power driven discs, connecting rods pivoted to the discs and to the beam whereby to move the movable squeezing elements into and out of squeezing position, flat metal fingers pivotally mounted upon and projecting within some of the squeezing elements, a pivoted lever mounted for movement with said beam and operatively connected to the movable fingers, and a lost motion connection between one of said connecting rods and said lever whereby the fingers are moved within the squeezing elements at the end of each pressure stroke to dislodge fruit skins therefrom.

2,629,318

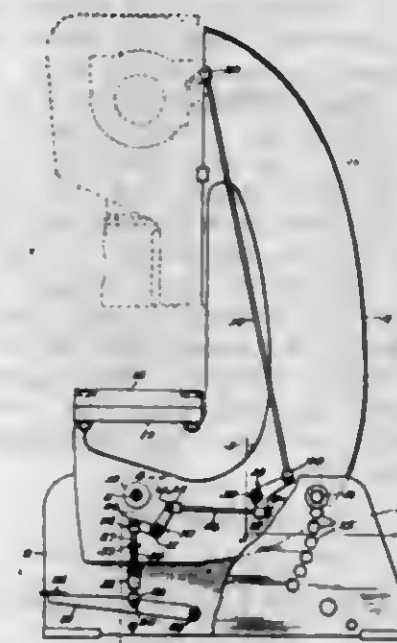
INCLINABLE PRESS

Alfred W. Schultz, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Application October 5, 1946, Serial No. 701,526
6 Claims. (Cl. 100-231)

3. In an inclinable press having a supporting base and a main frame pivotally mounted thereon

on a fixed axis for movement from an upright to an inclined position, said upright and inclined positions being the two extreme positions of said frame, operating means for the press, a treadle to actuate said operating means having a normal inoperative position, a bell crank having one arm thereof connected to said operating means, a second bell crank having one



arm thereof connected to said treadle, and a link connecting the other arms of each of said bell cranks, the point of connection of said link with said second bell crank being located on a line from the pivotal axis of said frame which bisects the arc produced by the point of connection of said link with the first bell crank in moving between the two extreme positions of the inclinable frame.

2,629,319

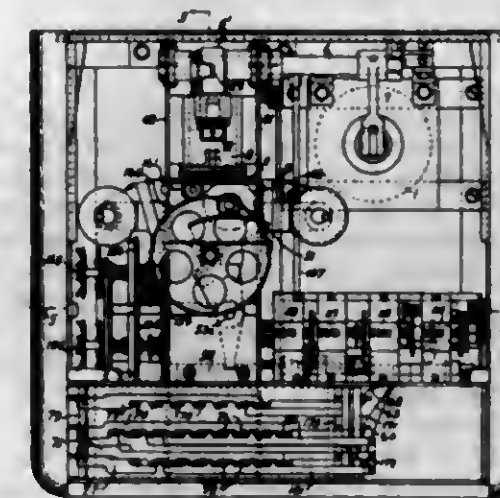
TICKET PRINTING AND ISSUING MACHINE

John Handley, London, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland, a company of Great Britain

Application May 31, 1946, Serial No. 673,353

In Great Britain May 5, 1944

7 Claims. (Cl. 101-66)



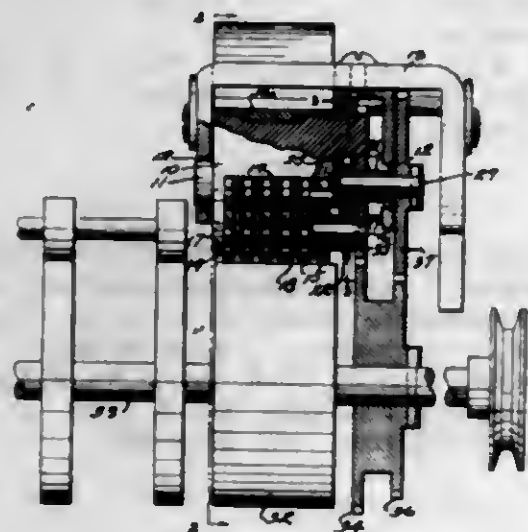
1. A ticket printing and issuing machine for use with totalisators, including a ticket printing

mechanism comprising a plurality of type wheels for printing a ticket showing the amount of the stake and the competitors selected for first and second place, said wheels including a wheel for printing the stake for which the ticket is issued, a second wheel for printing the competitor number selected for first place and a third wheel for printing the competitor number selected for second place, a separate set of keys for operating each type wheel, mechanism associated with each set of keys for operating its respective type wheel, an actuator for operating the printing mechanism, means for energizing the actuator on operation of a key in each set of keys, the set of keys for the stake wheel including a "reverse" key for reverse betting, a check bar operable by the "reverse" key, a reverse check shaft having a pin engaged by said check bar, the set of keys for operating the second wheel including keys for "win" and "place" respectively, a check bar associated with the "win" and "place" keys, and a second pin in the reverse check shaft engageable by the check bar associated with the "win" and "place" keys, whereby depression of the "win" or "place" key operates the reverse check shaft to lock the "reverse" key in inoperative position and vice versa.

2,629,320

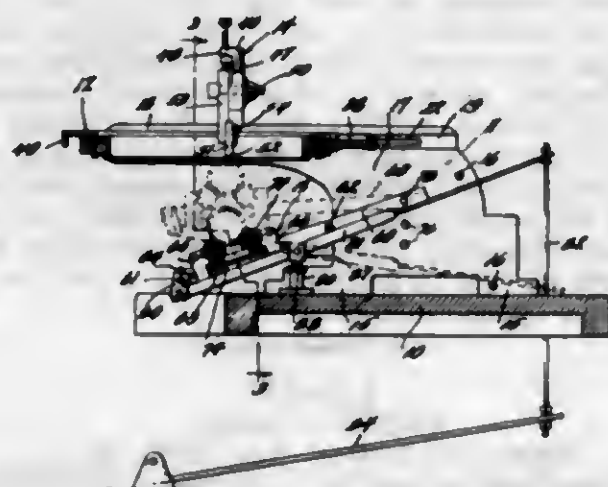
SERIAL NUMBER PRINTING CONTROL DEVICE

Victor P. Baptist, Stamford, Conn., assignor to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware
Application December 7, 1949, Serial No. 131,660
5 Claims. (Cl. 101-77)



1. In a combined rotary printing and serial numbering device, a printing cylinder, a consecutive numeral type wheel rotatable about an axis removed from the axis of the printing cylinder, an intermittent geared drive including a drive gear having its axis coinciding with the axis of the printing cylinder and arranged in operative relation with a gear on the type wheel, a power driven shaft, a geared drive between the power driven shaft and printing cylinder, and a reduction geared drive between the power driven shaft and type wheel drive gear, whereby during a printing cycle of rotation of the printing cylinder the type wheel drive will be rotated simultaneously with the printing cylinder but at a slower speed to thereby effect the advancement of the type wheel one digit in accordance with the speed differential.

2,629,321
STENCILING APPARATUS
Henry Andrew Gattuso, Adams, Mass.
Application January 30, 1950, Serial No. 141,323
1 Claim. (Cl. 101-126)

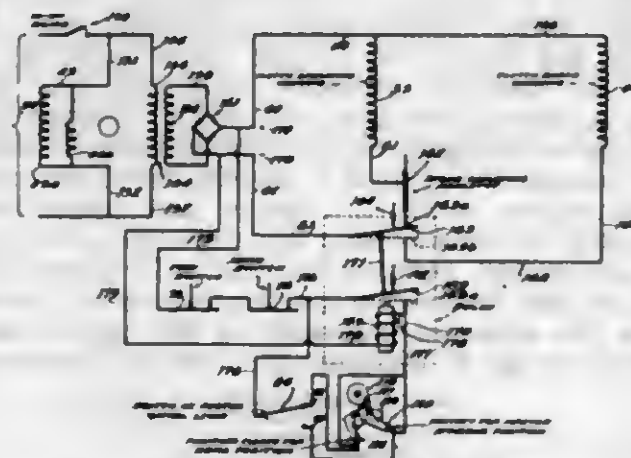


An apparatus of the class described, comprising a base plate, a pair of parallel members secured to said base plate, a screen carrier carried by the members for reciprocating movement in a plane parallel to the base, a work support disposed between the screen carrier and the base plate pivotally mounted at its rear end in said parallel members, an operating bar attached to the front of the work support and extending rearwardly between the base plate and work support for operation by a pedal, a stud pivotally attached to said operating bar at a point intermediate its ends, and means mounted on the base plate receiving the stud and providing for adjustment of the operating bar and work support to desired levels intermediate the base and screen carrier determined by the diameter of the work.

2,629,322

DRIVE CONTROL MEANS FOR ROTARY DUPLICATING MACHINES

Carl A. Levin, Park Ridge, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 28, 1948, Serial No. 12,092
2 Claims. (Cl. 101-132)



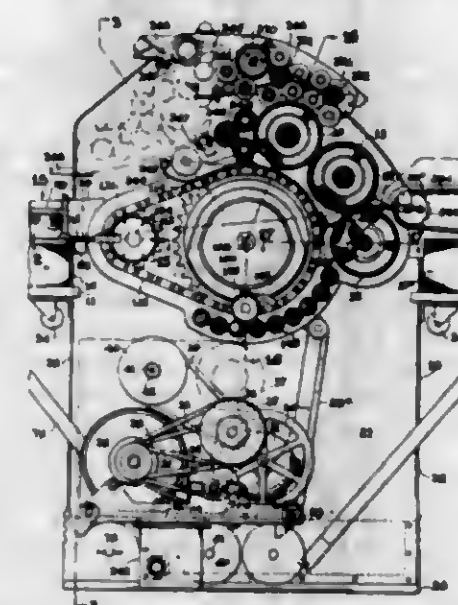
1. A duplicating machine including a rotatable duplicating drum having a home position of rest and a master attaching position, a motor, means connecting the motor to the drum including an electromagnetic clutch, an electrical

source for energizing the clutch, a circuit placing the clutch in energizing relationship with the source including a circuit breaker spring biased to closed position, a control circuit for the clutch including a relay adapted when energized to open and maintain open the circuit breaker, a circuit for the relay including a normally closed interrupter switch, a second and a third normally closed interrupter switch, means operating the second and third interrupter switches including an actuating arm disposed adjacent to home position and a second actuating arm disposed adjacent to master attaching position, a cam on the drum adapted to engage both actuating arms, an electromagnetic brake adapted when energized to stop the rotation of the drum, and a circuit for energizing the brake including the circuit breaker, said circuit breaker serving to close the circuit to the brake when it opens the circuit to the clutch.

2,629,323

SHEET HANDLING MECHANISM FOR ROTARY PRINTING PRESSES

Harold K. Baumgardner, Shaker Heights, and Joseph D. Kreis, Cleveland Heights, Ohio; said Kreis assignor to said Baumgardner
Application August 20, 1947, Serial No. 769,690
45 Claims. (Cl. 101-232)



41. Sheet printing mechanism of the character described, comprising cooperating rotatable blanket and impression cylinders, supporting means for a stack of sheets, means providing two sheet paths between said supporting means and said cooperating cylinders, means for transferring a sheet through one or the other of said sheet paths from said supporting means to said cooperating cylinders, and means associated with one of said sheet paths for reversing the sheet face for face.

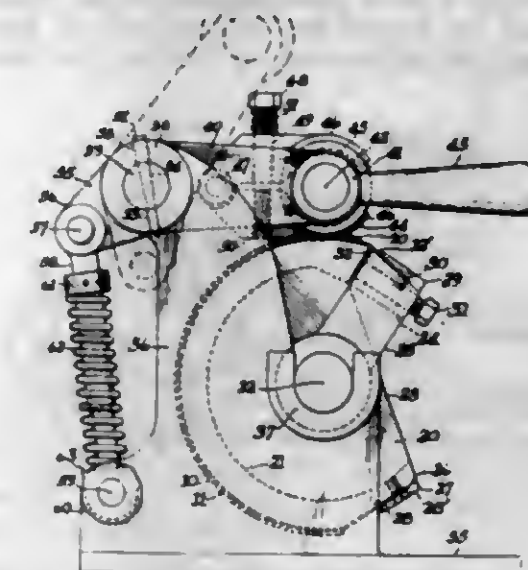
2,629,324

APPARATUS FOR MAKING LITHOGRAPH BLANKETS

Walter H. Smith, Toronto, Ontario, Canada; Mary Agnes Johnston, administratrix of said Walter H. Smith, deceased, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada
Original application November 17, 1947, Serial No. 786,519. Divided and this application April 23, 1949, Serial No. 89,261
8 Claims. (Cl. 101-415.1)

1. A device for wrapping a blanket on a form and pulling said blanket taut thereon, which

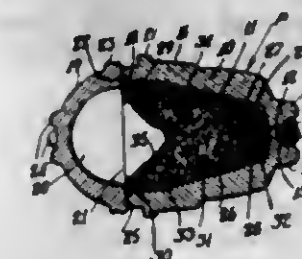
device comprises a support, a cylindrical form journaled on said support, means on said form for removably securing the ends of a blanket thereto, a pressure roller rotatably carried by said support, means for pressing said roller to-



ward said form for engaging a blanket on said form, and means for retarding rotation of said pressure roller to create a drag as well as a pressure for pulling said blanket taut as said roller moves relative to said blanket.

2,629,325

JET TYPE PERFORATING UNIT
William G. Sweetman, Houston, Tex.
Application May 20, 1950, Serial No. 163,146
8 Claims. (Cl. 102-20)



1. An explosive perforating unit, comprising, a hollow casing composed of impermeable glass material and hermetically sealed, a body of a detonating explosive enclosed within said casing, said body having a generally conical hollow in one end thereof spaced from one end wall of said casing and said body having its other end in contact with the opposite end wall of said casing, and a thin metallic liner having a shape corresponding to said hollow seated therein, said glass material transmitting detonating shock at high order from the exterior of said casing through the glass material of said opposite end wall directly to said body to obtain substantially complete high order detonation of said body to produce an effective perforating jet and with substantially complete disintegration of said casing.

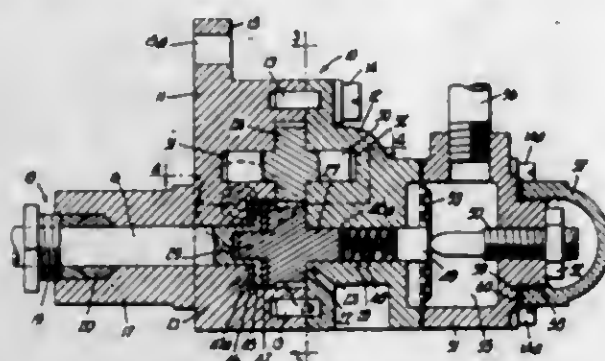
2,629,326

PUMP

Harold C. White, Cranford, N. J.
Application February 20, 1945, Serial No. 578,913
6 Claims. (Cl. 103-23)

1. In a pump, the combination of a casing, a drive shaft extending into one end of the casing,

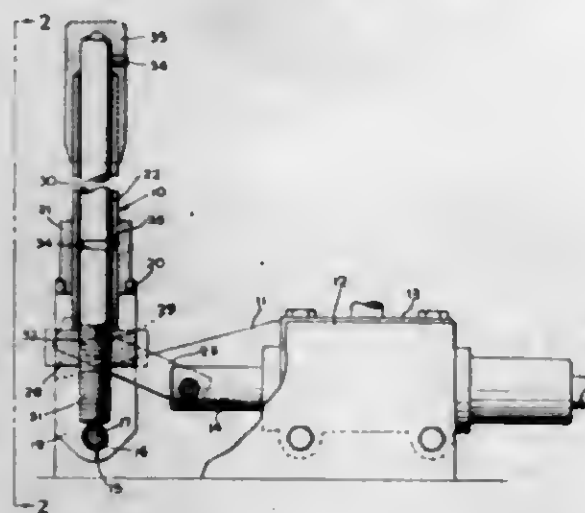
a clutch associated with the inner end of said shaft, an impeller element to be driven by said shaft through the medium of said clutch, a shaft to support said impeller element, the inner end of said drive shaft having a hole therein in which one end of the impeller shaft is supported, said casing having a hole extending in from the other end thereof in which the other end of the impeller shaft is supported, a spring in the last



mentioned hole to press said impeller element against said clutch, a plug like element in the last mentioned hole to act against said spring, a diaphragm to engage the outer end of said plug like element, means to secure said diaphragm at its edge to the end of said casing to prevent leakage from the last mentioned end of said casing, and means to prevent leakage from the end of the casing into which the drive shaft extends.

2,629,327

PISTON MOVEMENT CONTROL DEVICE
Albert H. Krause, East Cleveland, Ohio, assignor to The Carpenter Manufacturing Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 13, 1948, Serial No. 59,921
5 Claims. (Cl. 103-38)

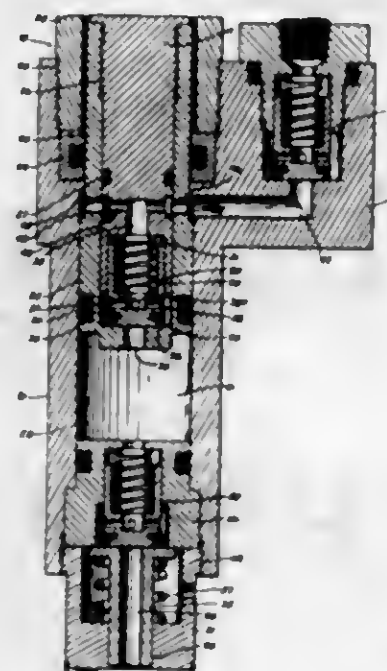


1. A piston control device comprising a frame, a cylinder secured to said frame, a piston secured in said cylinder, a piston rod secured to said piston and extending from said cylinder, a fulcrum pin secured to said frame adjacent the end of said piston rod but spaced longitudinally outwardly of said frame from said rod, a yoke having a base and parallel arms extending therefrom with such arms pivotally engaged with said fulcrum pin, a tubular member secured to the base of said yoke and extending outwardly from same along the longitudinal centerline of said yoke in a direction oppositely from said arms, a slide block slidably engaged with each arm of said

yoke for movement therealong, a link pivotally connected to the end of said piston rod, a control block pivotally engaged with one portion of said link and engaged with and extending between said slide blocks, a control rod having a threaded lower portion positioned in said tubular member and extending therefrom at each end, said control rod extending through the base of said yoke and having the threaded portion thereof engaged with said control block, said control rod being the operating handle for moving said piston, a handle member secured to said control rod at the end thereof remote from said yoke, and means securing said control rod to said tubular member to prevent relative longitudinal movement thereof and to permit rotational movement of said control rod whereby the position of said slide blocks on said yoke and the position and action of said link can be varied by rotation of said handle member.

2,629,328
PUMP

Floyd R. Ladd, Waverly, Iowa
Application September 26, 1947, Serial No. 776,294
6 Claims. (Cl. 103-42)



1. In combination, a conduit having an inlet and outlet, a valved piston reciprocable within said conduit, said piston provided with a passageway communicating at one end with said valve and at the other end with said outlet, means for reciprocating said piston, a second valve means in said conduit adapted to open and close said inlet and forming a chamber in said conduit between said piston and said second valve, a thimble detachably secured over said inlet; said thimble provided with a first and second passageway each connecting with said inlet, a relief valve in said thimble, said relief valve having a bore concentric with said first passageway in said thimble and said inlet, said second valve means adapted to close the bore in said relief valve at times, said relief valve capable of closing communication between said second passageway in said thimble and said inlet and capable of opening communication between the same while the bore in said relief valve means is closed by said second valve means to provide a relief outlet for material in said chamber.

2,629,329

DEEP WELL PUMP

Howard E. Rose, Peninsula, Ohio, and Franklin M. MacDougall, Kirkwood, and Roger W. Schoen, Ferguson, Mo., assignors to Alco Valve Company, University City, Mo., a corporation of Missouri
Application October 4, 1946, Serial No. 701,166
17 Claims. (Cl. 103-46)



1. A mechanism of the kind described, comprising a cylinder means, piston means operated therein by pressure differential in the cylinder means on opposite sides thereof, a fluid pressure line, valve mechanism movable from a position connecting the line to the cylinder means for admitting pressure from the line to the cylinder means to effect movement of the piston means, to a position relieving the said cylinder means from said pressure that produces movement, fluid pressure-responsive mechanism movable to operate the valve mechanism to relieving position, movable means operated by the piston means as it approaches the end of its stroke, to produce a pressure that actuates the fluid pressure-responsive mechanism, said last means including a plunger engageable by the piston means, a fluid cylinder in which the plunger is movable, and spring means opposing movement of the plunger by the piston means.

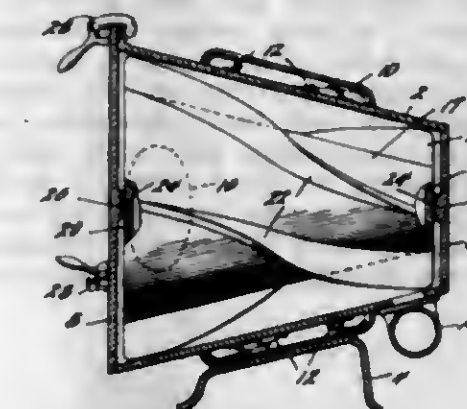
2,629,330

MOTOR-DRIVEN ROTARY PUMP

Irving Nels Meline, Elma, N. Y.
Application May 6, 1948, Serial No. 25,439
4 Claims. (Cl. 103-87)

1. A pumping apparatus comprising a frusto-conical shell with a cover at each end having an inner conical bearing, a rotor removably supported within said shell, the cover at the larger end of the frusto-conical shell being movable from the closed position sufficiently to permit withdrawal of said rotor from said shell, said rotor having an inner core with conical end bearings conjugate to the bearings of said covers and in axial alignment for support of the rotor on said bearings and a plurality of spiral blades possessing magnetic quality projecting outwardly from said inner core, an annular housing secured on the outside of said shell, a plurality of electro-magnets in said housing having windings and conforming in curvature with the spiral blades on said rotor, said magnets being disposed in groups wherein the magnets of each of said groups are uniformly spaced in regular sequence

and distance from adjacent magnets of the other groups, means for connecting the windings of each group of said electro-magnets in parallel and an electric distributor having electric con-

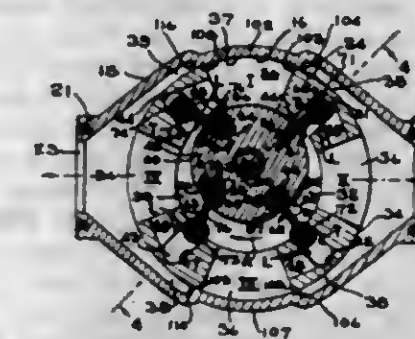


nection to a source of electric current, said distributor having brushes for successively connecting each group of electro-magnets with said source of electric current.

2,629,331

BRINE PUMP

Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application March 16, 1948, Serial No. 15,130
8 Claims. (Cl. 103-120)



1. A rotary pump comprising a housing having an inlet and an outlet opening, a rotor within said housing having a chamber and circumferentially spaced radial ports for communicating said chamber with the inlet and outlet openings in said housing, an eccentric journal within said chamber, a block mounted in said chamber for rotation about said eccentric journal, and a plurality of vanes certain of which are connected to said block for oscillatory movement with respect thereto, said vanes having cylindrical heads, said rotor being provided with radially disposed guideways intermediate said ports for receiving the cylindrical heads of said vanes with a fluid sealing fit for reciprocating and oscillating movement therein for isolating said ports from each other, one of said vanes being rigidly connected to said block for drivingly connecting said block to said rotor for effecting propulsion of fluid from said inlet to said outlet opening.

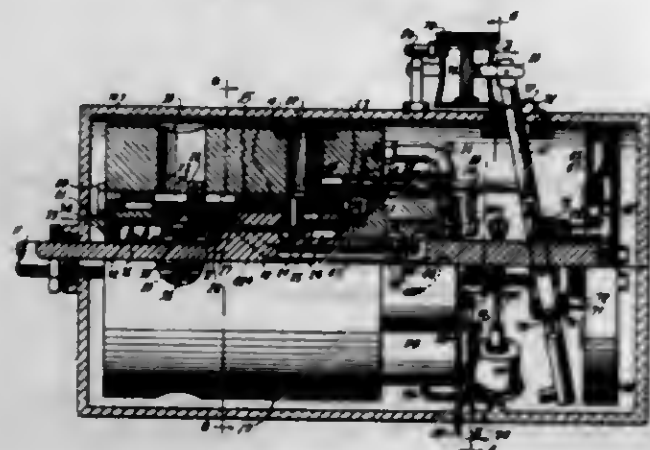
2,629,332

HYDRAULIC TRANSMISSION

Dwight E. Tripp, Tyler, Tex., assignor to Tackett & Tripp, Inc., Tyler, Tex.
Application September 29, 1947, Serial No. 776,772
4 Claims. (Cl. 103-120)

1. A hydraulic pump including a driving element, a body embracing said driving element and

having a longitudinal bore, a fluid apportioning sleeve reciprocally mounted on said driving element in said bore, an annular boss on said driving element, said boss and said sleeve defining an annular pressure chamber, rotor blades on said boss projecting into said pressure chamber, the capacity of said pressure chamber varying with the position of said sleeve, a plurality of reciprocable plungers mounted in longitudinal bores provided in said body movable into said chamber and cooperating with said rotor blades to impose pressure on fluid entering said chamber, said rotor blades and said plungers separating said chamber into intake and exhaust compartments, an annular cam rotatable with said

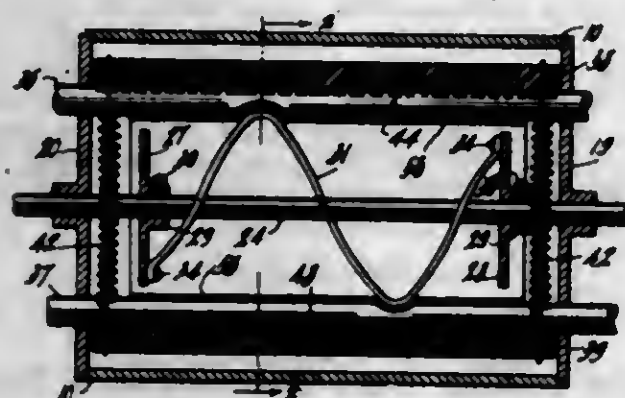


driving element for actuating said plungers, spring means resisting movement of said plungers, said driving element having fluid circulating passages arranged longitudinally therein communicating with an outlet and an inlet of said pump and with said intake and exhaust compartments, means on said body for varying the position of said sleeve to vary the capacity of said pressure chamber to vary the displacement of said pump, and means for maintaining hydrostatic balance of fluid pressures at each end of said plungers, said cam being longitudinally slidable on said driving element, and means connecting said cam and said sleeve whereby reciprocal movement of said sleeve results in simultaneous longitudinal movement of said cam.

2,629,333

ROTARY COMPRESS PUMP

Roger G. Olden, Princeton, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application July 1, 1950, Serial No. 171,634
4 Claims. (Cl. 103-149)



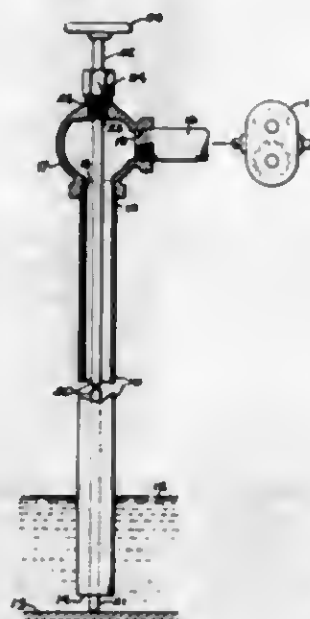
1. A pump for supplying a liquid in accurately measured amounts comprising, an elastic walled

tube, means for supporting said tube, a rotatable helical member, and means to selectively vary the length of said helical member whereby to alter its pitch, said supporting means for said tube providing a backing for said tube whereby said helix progressively constricts said tube as said helix is rotated on its axis.

2,629,334

INTAKE PIPE

Norman C. Swanson, Chetek, Wis.
Application July 8, 1949, Serial No. 103,685
1 Claim. (Cl. 103-202)



A pump intake pipe having, in combination, a hollow body having an inlet opening and an outlet opening right angularly spaced from said inlet opening and adapted to be rigidly connected to a rigid conduit leading to a pump, an elongated straight pipe imperforate throughout its length and having one end projecting into said inlet opening and having a fluidtight connection with said body whereby said pipe projects outwardly from the body, said body having a threaded aperture directly opposite and aligned with said inlet opening, an elongated rod extending longitudinally through said pipe and threaded into said aperture with one end projecting outwardly beyond said body and the other end projecting outwardly beyond the outer open end of said pipe, a stuffing box surrounding said rod adjacent said aperture to seal the latter while permitting rotary and axial movement of the rod, and a crosspiece interposed between said rod and the internal wall of said pipe at a point spaced a substantial distance from said aperture and acting to center the rod within the pipe while permitting relative axial movement between the two.

2,629,335

GAS LIFT APPARATUS

Clifford M. Peters, Longview, Tex., assignor, by mesne assignments, to Garrett Oil Tools, Inc., Houston, Tex., a corporation of Texas
Application October 17, 1946, Serial No. 703,913
1 Claim. (Cl. 103-233)

In an oil well system including a well hole, a well tubing and a casing spacedly surrounding said well tubing in the well hole, a gas lift valve

system comprising a plurality of upper pressure actuated dumping valves and a lower pressure actuated working valve mounted in the space between the casing and the tubing, said valves each providing communication means between the tubing and casing, said dumping valves being of the fluid pressure loaded type and vertically spaced along said tubing with downwardly succeeding dumping valves charged with successively lower pressures so as to close at successively lower gas pressure and dump successively lower portions of the oil head into and through said casing, means communicating with the tubing for introducing gas under pressure into said tubing to



effect dumping of the oil head through the dumping valves and the casing, said working valve being of the fluid pressure loaded type and spaced below the lowermost dumping valve, said working valve having a main valve element exposed to casing pressure which is charged to open in response to casing pressure when such pressure exceeds a predetermined amount, a check valve in said working valve preventing flow of fluids from the tubing into the casing through the working valve, and pipe means communicating with said casing for introducing gas into said casing under pressure sufficiently great to open said working valve and force upwardly through the tubing accumulated oil head standing above the working valve.

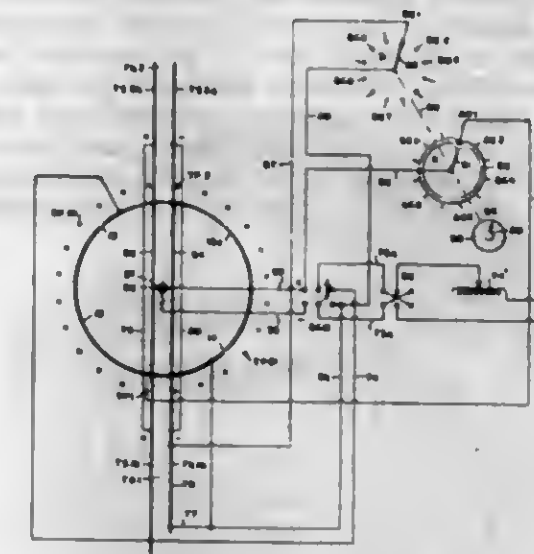
2,629,336

AUTOMATIC TURNTABLE FOR MODEL RAILWAYS

Gerald S. Seidel, Norristown, Pa.
Application October 20, 1950, Serial No. 191,173
12 Claims. (Cl. 104-38)

1. In a turntable for model railway systems having a pit with track section rails leading thereto and a motor driven table with spaced rails thereon rotatable in said pit, the combination comprising connections to a source of electrical energy, a control member connected to said connections and having a plurality of contact positions, contact members for one of said contact positions connected to said motor, additional contact members for another of said contact positions connected to rails of the track

sections, and a multiple position controller having members for determining the energization of

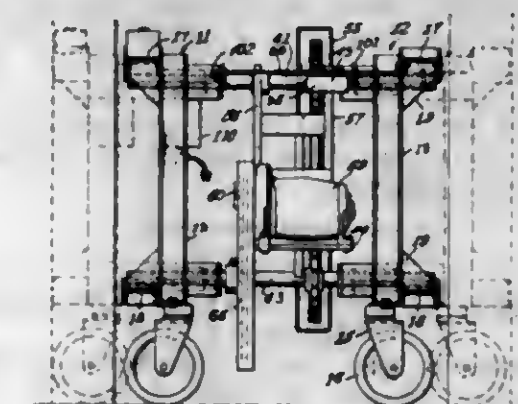


the track actions and for determining the stopping location of said table.

2,629,337

ELECTRIC CAR SQUEEZE

Wesley M. Robey, Jr., Arlington, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application October 3, 1947, Serial No. 777,814
20 Claims. (Cl. 105-369)



1. In a car squeeze the combination of: a pair of upright parallel load engaging frames; power means connecting said frames for expanding or contracting said squeeze by moving said frames away from or toward each other; wheeled carriage means on said frames to movably support said squeeze; means for starting the operation of said power means to expand said squeeze; and means responsive to the attainment of a given degree of pressure between said squeeze and a load being pressed thereby, to interrupt the operation of said power means and thereby halt the expansion of said car squeeze.

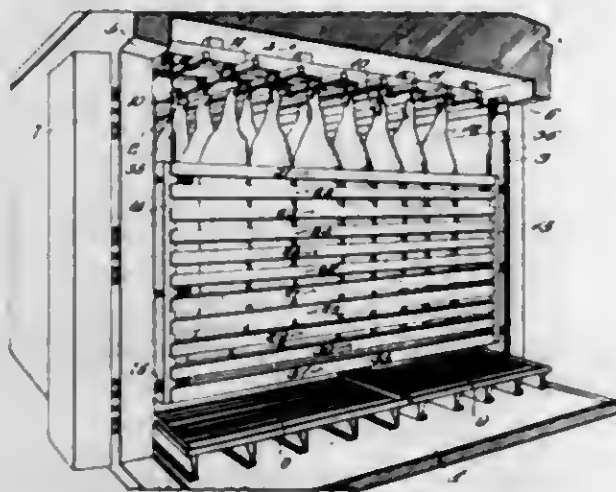
2,629,338

REFRIGERATOR CAR BRACING PANEL SYSTEM

Walter G. Koch, Evansville, Ind., assignor to International Steel Company, Evansville, Ind., a corporation of Indiana
Application January 6, 1949, Serial No. 69,526
9 Claims. (Cl. 105-376)

1. In a structure of the class described, a bracing panel formed by a multiplicity of spaced par-

allel extending tubular members, means for suspending said bracing panel in a position adjacent the top of an enclosing wall structure for adjustable movement transversely thereof in position for bracing material stored within the enclosing wall structure, a multiplicity of projectable and retractible pintles disposed between certain of said parallel extending members and carried by opposite ends of said bracing panel and projectable into and retractible from aligned socket openings in the sides of the enclosing wall structure, said

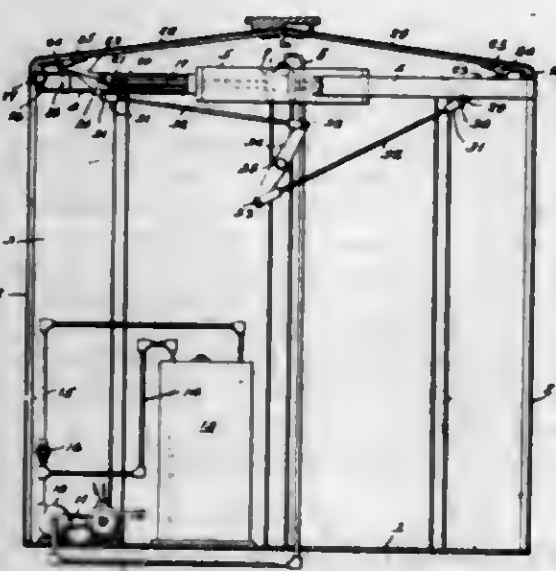


bracing panel having the spaced parallel extending tubular members thereof interconnected by vertically extending hollow tubular members of substantially rectangular section; the vertically extending hollow tubular members each enclosing a substantially dead air column having a height substantially equal to the height of the bracing panel and each being provided with drainage openings adjacent the bottom thereof for the release of condensate which may accumulate on the interior walls of said vertically disposed hollow tubular members.

2,629,339

ROOF OPENING APPARATUS FOR RAILROAD FREIGHT CARS

Joseph L. Kovachick, Turtle Creek, Pa.
Application August 10, 1950, Serial No. 178,689
3 Claims. (Cl. 105-377)



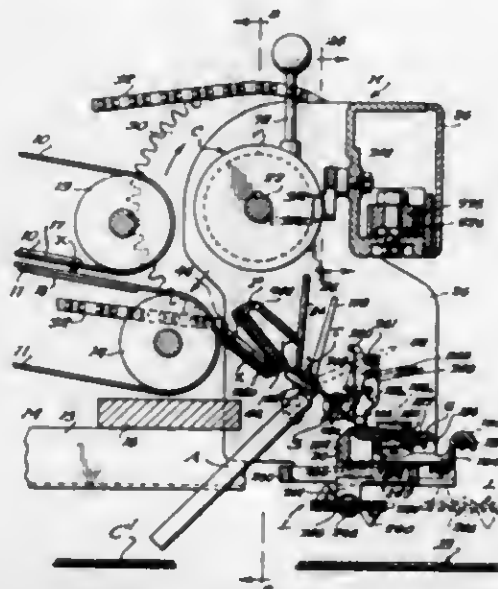
1. In a railway car of the type having a bottom platform, vertically extending side and end walls, and doors hingedly carried by the side walls adjacent the upper edges thereof for movement in vertical arcuate paths from a substantially hori-

zontal position in which they wholly cover the bottom platform to a substantially vertical position in which the platform is wholly exposed, means for so moving the doors which includes tubular bushings mounted adjacent the upper edge of an end wall of the car to move in a horizontal path which extends transversely of said car, yokes pivotally carried by the bushings to move in vertical arcuate paths, means pivotally coupling the yokes to the doors, and means mounted within the car adjacent the aforesaid end wall of the car and connected to the bushings to move said bushings in the horizontal path.

2,629,340

PRETZEL MACHINE

Howard G. Allen, Niagara Falls, and Owen M. Hudson, Kenmore, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application December 29, 1945, Serial No. 638,230
12 Claims. (Cl. 107-8)



12. In a pretzel forming machine, the combination with mechanism for forming a pretzel from an elongated dough stick, of means for delivering the pretzels formed by said mechanism in either a single row or two rows on a travelling conveyor, said means including a single support and a member mounting said support for rotation about a horizontal axis so said support may rotate from a horizontal position from which it receives the pretzels to an inverted position whereby the pretzels are deposited upon the conveyor in a single row, a device supporting said member, and means for actuating said device selectively to bodily move said member alternately to either side of said pretzel receiving position whereby the pretzels will be deposited in two rows on the conveyor when the support is inverted.

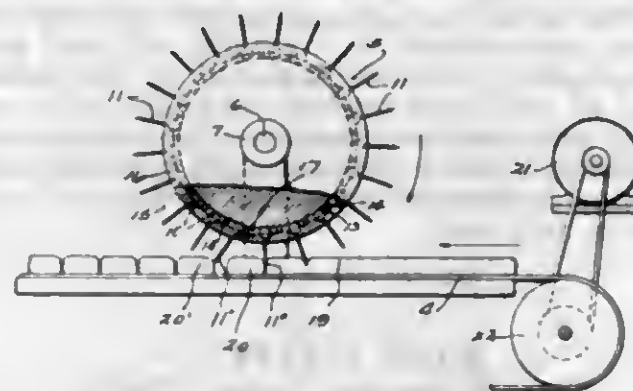
2,629,341

DIVIDING WHEEL HAVING MOVABLE BLADES FOR PINCHING OFF PORTIONS OF RELATIVELY ADVANCING RIBBON OF DOUGH OR THE LIKE

Curtis D. Rice, Kalamazoo, Mich.
Application March 1, 1949, Serial No. 78,946
8 Claims. (Cl. 107-21)

5. Apparatus for dividing dough into loaves comprising a conveyor on which a strip of dough may be advanced, a dividing wheel mounted for rotation in the path of the conveyor, said wheel

having radially extending blades successively movable into the path of conveyor movement and against the conveyor to pinch loaves from the dough strip, and thereby rotate the wheel simultaneously with the feeding of the dough whereby

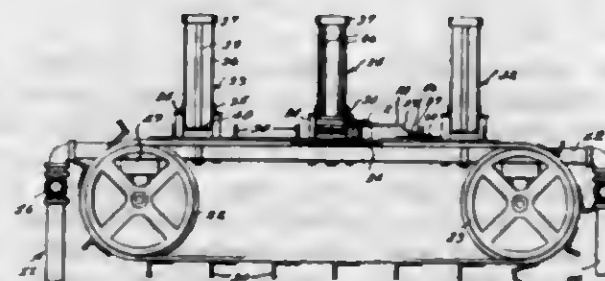


to successively sever loaves, and means, effective after the loaves have been severed, for positively advancing the wheel blades faster than the dough strip is being fed to produce gaps between the strip and successive severed loaves.

2,629,342

BRICK SLICING MECHANISM FOR ICE-CREAM SANDWICH MACHINES

James H. Keyser, Kenova, and Van C. Curry, Huntington, W. Va.
Application August 19, 1949, Serial No. 111,228
4 Claims. (Cl. 107-21)



1. In an ice cream sandwich making machine having a horizontally disposed endless belt including spaced projections thereon for feeding cakes, an ice cream feeding structure above said conveyor, said structure comprising a vertical chute to receive an ice cream brick, a longitudinal passage at the lower end of said chute through which the projections may pass, a horizontally disposed cutting blade slidably carried by said chute and spaced above the top plane of said projections, and means for oscillating said blade, whereby the lower portion of the ice cream brick is severed in timed relation to movement of the conveyor.

2,629,343

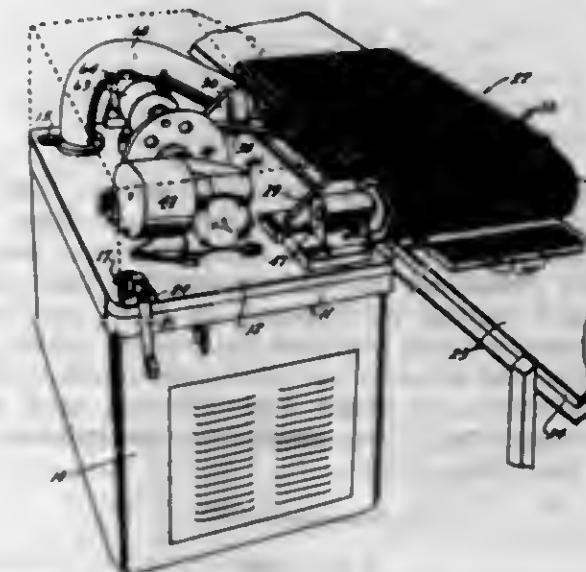
BRUSHING MECHANISM

Irvin B. Rose, Dayton, Ohio, assignor, by mesne assignments, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 10, 1949, Serial No. 109,711
13 Claims. (Cl. 107-44)

1. In a brushing mechanism, a supporting structure, a movable brushing element supported by said structure and adapted to be positioned above a conveyor for articles to be brushed, means for moving said brushing element in brushing contact with articles on said conveyor, a retaining device having a part movable below

687 O. O.-59

and adjacent to the path of movement of said brushing element and in the direction of movement of said articles to engage the latter and



prevent the displacement thereof by said brushing element, and means for actuating said retaining device.

2,629,344

PORTABLE FROZEN CONFECTION DISPENSER

Keaton Bruce Maxwell, Kansas City, Mo.
Application May 4, 1950, Serial No. 160,062
4 Claims. (Cl. 107-48)



1. In a dispenser of the character described, the combination of an electric motor including a housing, a depressible switch button and a drive shaft projecting outwardly from said housing, a rotary scoop unit carried by said drive shaft and including means for discharging contents thereof, a sleeve slidable on said shaft and operatively connected to said scoop unit for actuating the discharging means, and a control lever movably attached to said housing, said lever abutting said button and being operatively connected to said sleeve whereby the discharging means and said switch may be simultaneously actuated by said lever.

2,629,345

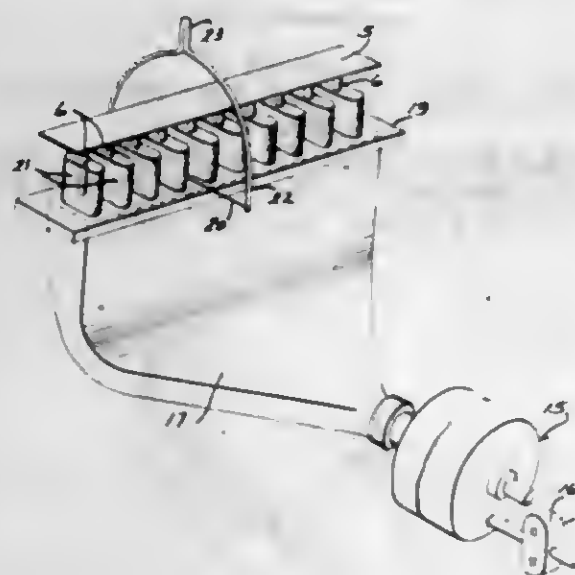
SCRAPING DEVICE FOR ROLLING PINS
 Alex J. Check, Canfield, Ohio
 Application June 29, 1950, Serial No. 171,163
 1 Claim. (Cl. 107-50)



A rolling pin and a scraping device therefor, the said rolling pin having pins projecting from the ends thereof on the axis thereof, handles pivotally mounted on said projecting pins, apertured end plates positioned on said projecting pins between said handles and said rolling pin, and a pair of spaced parallel divergent scraping blades secured at their ends to the said apertured plates and lying against the peripheral surface of the rolling pin.

2,629,346

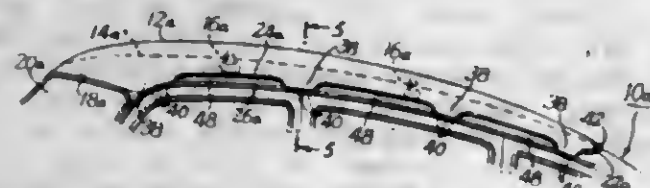
APPARATUS AND METHOD OF ICE-CREAM BAR MANUFACTURE
 Frank M. Johansen, Madison, Wis.
 Application August 21, 1946, Serial No. 691,951
 10 Claims. (Cl. 107-54)



1. A method of making ice cream bars which comprises the extrusion of form-sustaining but plastic ice cream, embedding a stick in the ice cream by relative movement therebetween along the line of extrusion, and severing the extruded ice cream between the point of extrusion and the stick.

2,629,347

HEAT PROTECTOR ROOF CONSTRUCTION FOR VEHICLES
 Herbert P. Wittrien, Glendale, N. Y.
 Application June 3, 1950, Serial No. 165,908
 1 Claim. (Cl. 108-3)

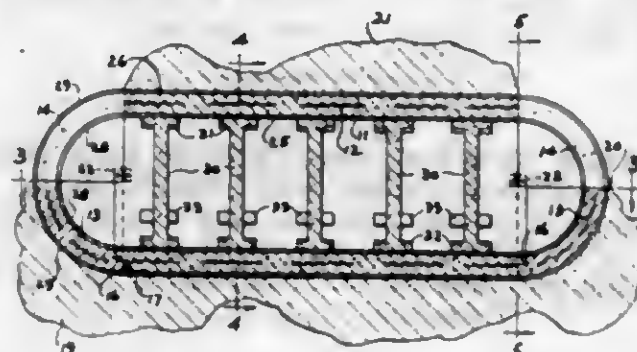


An accessory for a vehicle roof, which roof has sloping sides with rain gutters extending longitudinally along opposite edges, said accessory comprising a rigid metallic body portion having a

contour generally similar to that of said roof so as to fit thereover between said rain gutters, said body portion having its leading edge formed to fit flush against said roof and portions of its sides formed to extend into said gutters and also having portions along its sides cut away to form air vents along its sides above said gutters and between said portions that extend into said gutters, insulating material fastened to the under-surface of said body portion, and means for releasably attaching said body portion to said roof, there being a space between said roof and said insulating material when said body portion is attached to said roof.

2,629,348

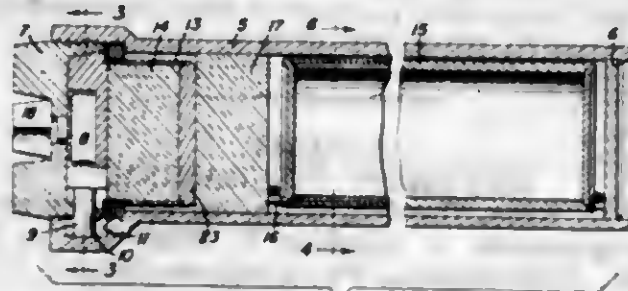
BOMB SHELTER
 Harry Kifferstein, Detroit, Mich.
 Application September 21, 1950, Serial No. 186,073
 13 Claims. (Cl. 109-58)



11. A bomb shelter comprising a hollow open ended cylindrical housing of steel reinforced concrete adapted for longitudinal positioning within the ground with at least one-half of its area below the grade line, and caps of similar material joined to the opposite ends thereof, the upper halves of said caps being separate from the lower halves, and being centrally and vertically divided providing laterally and oppositely openable pairs of door elements at opposite ends of said housing, and hinges interconnecting said door elements and said housing.

2,629,349

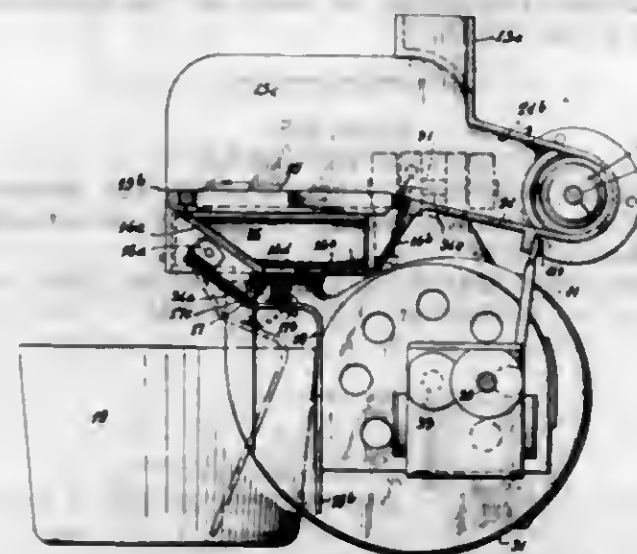
UNDERGROUND FIREPROOF VAULT
 Fay W. Dean, Boonville, N. Y.
 Application July 7, 1949, Serial No. 103,513
 1 Claim. (Cl. 109-64)



An underground vault comprising a cylindrical casing having a closed rear end and an open front end, a cylindrical container in said casing, a plug threaded into and closing the front end of the casing, a rack slidably positioned in the casing for supporting the container thereon for movement of the container into and out of the casing with the rack, and a disk of insulation material slidably fitted tightly in the casing be-

2,629,350

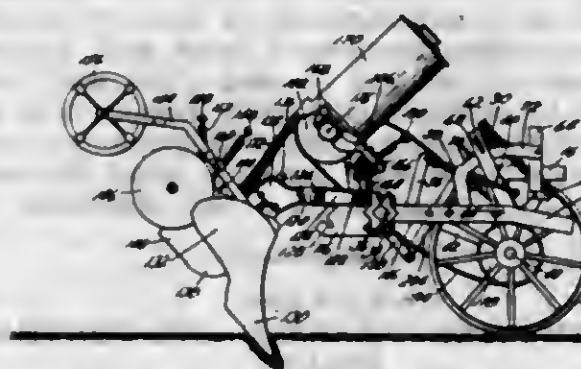
SOLID FUEL BURNER
 Paul L. Gross, Trucksville, Pa.
 Application June 28, 1949, Serial No. 101,841
 2 Claims. (Cl. 110-32)



1. A solid fuel burner, comprising a generally horizontal grate arranged to receive fuel at one side and to discharge ash at another side, said grate having a plurality of tuyères therethrough, an air chamber for supplying air to said tuyères, means for supplying air to said air chamber, means to feed fuel to the receiving side of said grate and across said grate toward the ash discharge side thereof, the bottom of said air chamber being formed with an opening through which fuel fines and ashes may periodically be removed, a closure for normally closing said opening, and biased toward open position, an ash receptacle positioned below the ash discharging side of said grate and means cooperating with said ash receptacle and said closure for holding the closure in closed position when the ash receptacle is in place to receive ashes from said grate.

2,629,351
LISTER

Lee Wenger, Morrill, Kans.
 Application November 13, 1946, Serial No. 709,560
 1 Claim. (Cl. 111-60)

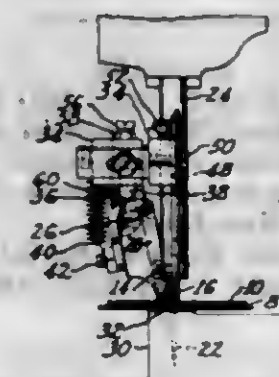


In a planter of the type described, an elongated frame, a downwardly extending beam pivoted at its upper end to said frame to swing about a

transverse axis, a plow fixed to the lower end of said beam, means normally holding said beam in fixed relation to said frame but permitting swinging movement of said beam in a path extending rearwardly and upwardly when excessive pressure is exerted on said plow by an obstruction in its line of travel, a seed can normally disposed above said plow in the path of swinging movement of said beam and pivoted to said frame to swing about a transverse axis forwardly of said seed can, said transverse axes being generally parallel and fairly close together, an arm fixed at one end to said beam and having a free end under said seed can, said seed can resting on and supported by said free end of said arm, means to feed seed from the seed can, a flexible tube connected at its upper end to the seed can and at its lower end to the plow for conducting seed from the seed can to the furrow formed by the plow, whereby when said beam is caused to move rearwardly and upwardly by excessive pressure exerted on said plow said seed can is also caused to move upwardly to prevent striking of the seed can by said beam and avoid undue distortion of said tube.

2,629,352

SEWING MACHINE WITH PROTECTIVE COVERING SLITTING MEANS
 Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
 Application July 21, 1949, Serial No. 106,082
 4 Claims. (Cl. 112-45)



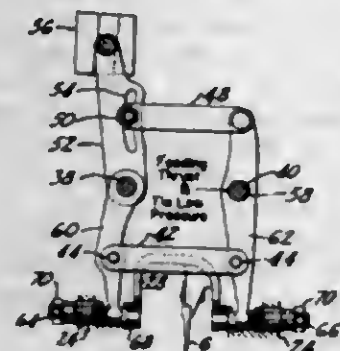
1. A sewing machine for operating on compressible sheet material covered with a peelable protective film, having a needle, a work support, a feed dog operating below the work support, a presser roll for clamping the work on the work support close to the point of needle operation at one side of a line parallel to the direction of work feed and intersecting the needle, and a knife extending in the line intersecting the needle, also close to its point of operation to form a cut in the film, in combination with a film tensioning foot mounted in proximity to the cutting edge of the knife at the side of said line opposite the presser roll for forming a depression in the material being sewn to tension the film beside the edge of the knife between the roll and the foot.

2,629,353

SHOE SEWING MACHINE
 Dana P. Hay, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
 Application November 5, 1949, Serial No. 125,759
 4 Claims. (Cl. 112-48)

1. A shoe in-seam sewing machine having work penetrating and feeding devices including a

curved hook needle and a curved awl, a carrier for one of the work penetrating devices having aligned mounting studs on which the awl oscillates, a pair of substantially parallel levers acting on the studs for reciprocating the carrier in the line of work feed, a tie link pivotally connecting the levers between their points of action and their respective fulcrums, a feed link connected to one of the levers at a point at the opposite side of its fulcrum from the tie link and a cam lever



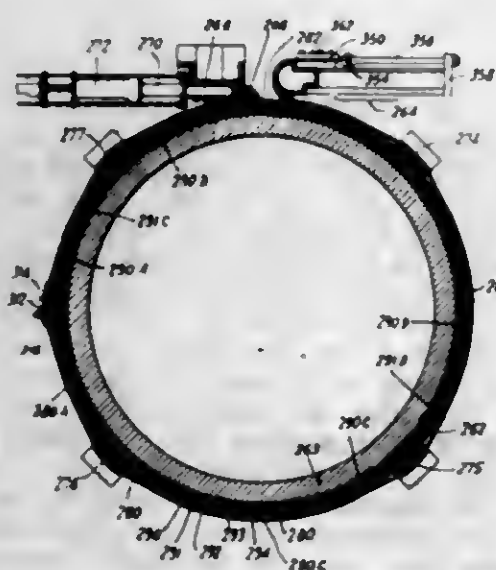
on the fulcrum for the other carrier reciprocating lever for actuating the feed link, in combination with lost motion reducing means secured to the carrier and engaged with the end of one of the levers outside the space between the levers and closer to the point of action of said one lever than the pivotal connection of the tie link on said lever for causing the tie link to exert a pressure on the fulcrum of the feed link connected lever in the same direction in which the feed link applies its thrust to said fulcrum.

2,629,354

APPARATUS FOR MAKING BANDED PRESSURE VESSELS

Cecil H. Gay, Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey

Application May 25, 1949, Serial No. 95,363
6 Claims. (Cl. 113-102)



1. In apparatus for the manufacture of multi-layer pressure vessels, means for supporting and turning a heavy pressure vessel cylinder or shell, band tightening and heating apparatus including fluid pressure operated mechanism, a support for said mechanism extending transversely of the shell and having loop anchoring means in opposed position relative to said mechanism, and a plurality of aligned loops normally adapted to encompass the shell and a shell encircling metal-

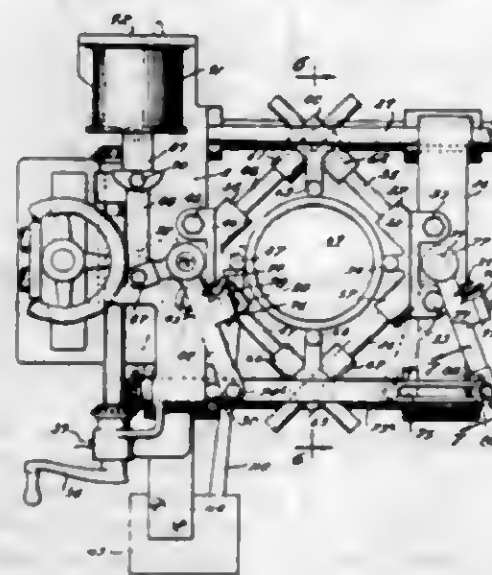
lic band, heater units secured to said loops in circumferential arrangement whereby a band is heated as it is turned with the shell within the arrangement of heaters, each loop having one end secured to said anchoring means and its opposed end secured to the fluid pressure operated mechanism whereby operation of the latter simultaneously tightens the loops around the shell and its incomplete band to impose substantial compression stress on the former, the loops being sectional with each loop including a plurality of sections or segments normally joined by readily detachable means to facilitate initial placement of the pressure vessel shell within the apparatus and the similar placement of each of the successive bands about the shell.

2,629,355

COVER DROPPER

Harold R. Baldwin, Carpentersville, Ill., assignor to Elgin Manufacturing Company, a corporation of Illinois

Application March 14, 1950, Serial No. 149,619
4 Claims. (Cl. 113-114)



1. In apparatus of the class described, the combination with a horizontal conveyor adapted to move cans forward in a continuous stream in a straight line, of an adjustable magazine for holding can ends positioned above said conveyor, said magazine constructed of four vertical rod members arranged to form a square, a pair of brackets for supporting two opposed rod members and a pair of floating blocks for supporting the other two opposed rod members, said floating blocks slidably mounted on intersecting rods extending from said brackets, adjusting screws connected to said brackets, a frame for supporting said screws, means associated with said screws for moving said brackets and floating blocks apart or together simultaneously, a pair of rotatable studs extending downward from said brackets, cam members secured to said studs and means adapted to oscillate said cam members to drop the lowermost cover from said magazine whenever a can comes into position below the same, said means connected to a can-operating machine.

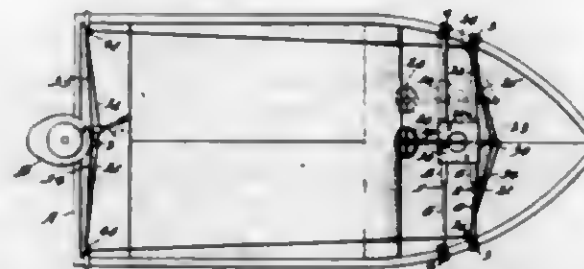
2,629,356

POWER BOAT STEERING AND CONTROL MEANS

Floyd E. Whiting, Woodstock, Ill.
Application May 15, 1951, Serial No. 226,461
9 Claims. (Cl. 114-144)

1. A steering and control unit adapted to be mounted on a power boat comprising two mem-

bers each composed of two elements connected together in a manner to allow such members to be varied in length, clamps on the ends of said members to secure them to the sides of and athwart the boat, a table upon and secured to corresponding elements of said members for adjustment along the latter, said table containing



a large opening, a steering column extending through said opening at an acute angle to the plane of the table, means at one side of the said opening securing the lower end of the column to the table, and a supporting device rising from the table at the opposite side of said opening to the column and fastened to the column to support it.

2,629,357

MARINE ANCHOR

James E. Jones, Morehead, N. C., assignor of fifty per cent to J. P. Marshburn, Goldsboro, N. C.
Application September 25, 1950, Serial No. 186,644
4 Claims. (Cl. 114-208)



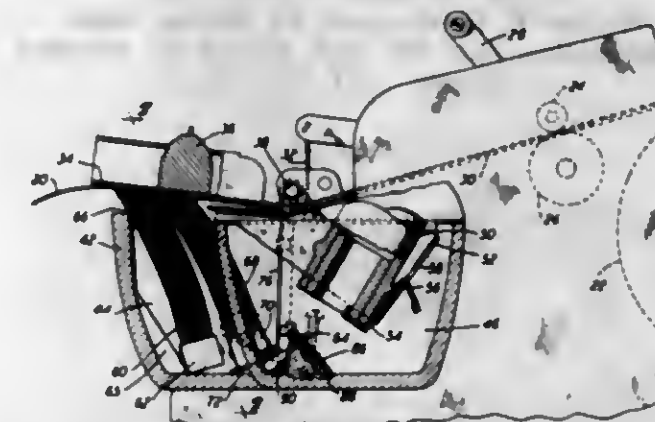
3. In a marine anchor of the class described, a body of T-shape including a tubular head and a tubular shank extending radially from the middle of the head, a shaft revolvably mounted in said head and having projecting ends, a three armed fluke assembly fixedly mounted on each of said projecting ends, the flukes of each assembly being arranged at angles of 120° to each other, said shaft being provided with a transverse opening having its axis in the plane of a fluke of each assembly, a pin in said shank and normally engaging in said opening, said pin projecting through the shank and being provided with an eye at its upper end for attachment of a pull cord, a ring pivoted to said shank at its upper end and adapted to swing into and out of alignment with said pin, said ring constituting means for attachment of a hoisting cable, spring means yieldably holding the pin into engagement in said opening, said pin having a notch formed therein adjacent the eye, a latching means for holding the pin disengaged from the shaft opening, said latching means including a U-shaped arm having one end pivoted to the upper end of the shank and its other end mov-

able into and out of said notch, and a spring urging said arm against the projecting end of the pin into engagement with the notch.

2,629,358

TAPE DISPENSER PROVIDED WITH ADJUSTABLE BRUSH MOISTENER

Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, Shelton, Conn., a corporation of New York
Application June 30, 1948, Serial No. 102,207
11 Claims. (Cl. 118-223)

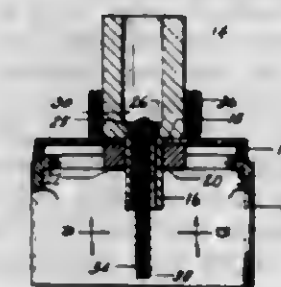


1. In a tape dispenser, a tape moistener comprising a water tank, a pressure plate mounted above the same and a plurality of inverted brushes mounted in tandem in said tank with their tips projecting upwardly into engagement with said pressure plate, and means for changing the vertical adjustment of at least one of said brushes with relation to said pressure plate and to another of said brushes, said means including a supporting plate upon which one of said brushes rests, a pintle to which said supporting plate is fixed and means for turning said pintle and holding it in adjusted position.

2,629,359

INK SUPPLY MEANS FOR FELT NIBBED PENS

Sidney N. Rosenthal, New York, N. Y.
Application April 3, 1951, Serial No. 219,017
1 Claim. (Cl. 118-268)



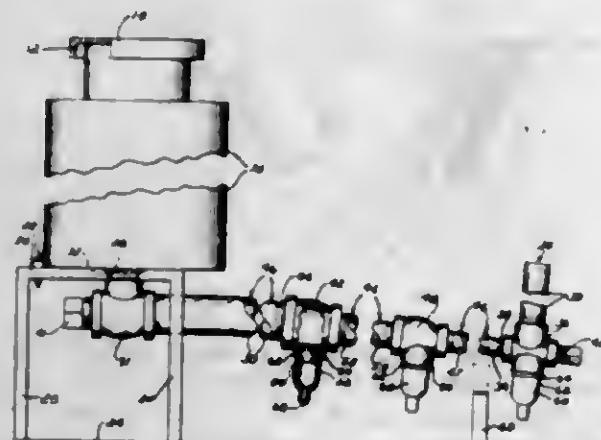
A combined pen holder, nib wetter, and ink container device useful to contain a supply of ink for a felt nib pen and to hold said pen when not in use and to wet and maintain its nib wet when the pen is held in place by the device comprising an open top ink bottle having a relatively large ratio of horizontal area to vertical height so as to be stable on a table or desk even while holding a pen, a cover detachably secured to the open top of said bottle, a deep vertical open top pen holding well projecting upwardly from said cover, said well being hollow and having a reduced lower stem to provide a shoulder enabling it and the cover to be relatively secured, said stem being threaded and hollow and projecting down from

said well at said shoulder, a nut threaded upwardly onto said stem for clamping said cover to said shoulder, a felt ring in and forming the bottom of said well, at the shoulder, a wick in said stem projecting up into and engaging said ring and projecting down into said bottle for maintaining said ring wet with ink from said bottle, a perforate sleeve surrounding said wick for rigidifying it and spacing it from said stem, and a ring outside said well at its base and secured to the well and vertically spaced from said cover.

2,629,360

CALF FEEDING DEVICE

Walter P. Hoffmann, La Motte, Iowa
Application July 31, 1950; Serial No. 176,864
1 Claim. (Cl. 119—71)



In a calf feeder, the combination which comprises a storage tank having an outlet nipple extended from the lower end, a T threaded on said outlet nipple, a clean out plug threaded into one end of the T, a main pipe having an offset section therein threaded in the opposite end of said T and in alignment with said plug, a reducing T threaded on the opposite end of said main pipe, an end pipe of a smaller diameter than the main pipe threaded into and extended from said reducing T, a cross threaded on the extended end of said end pipe, a clean out plug threaded into the end of the cross opposite to that threaded on the intermediate pipe, said plugs and pipes being aligned, a vent pipe threaded into said cross and extended upwardly to a point above the storage tank, nipples threaded into and extended from the cross and reducing T, respectively, tubular rubber nipples with tips of reduced diameter on the outer ends positioned on the nipples of the cross and reducing T, said tips of the nipples having self-closing openings in the ends thereof, and clamps positioned around said rubber nipples for retaining the rubber nipples on the nipples extended from the cross and reducing T.

2,629,361
FEEDER

Robert S. Armstrong, Merced, and Domenic Mogliotti and Frank S. Mogliotti, Atwater, Calif.

Application May 27, 1949, Serial No. 95,604
1 Claim. (Cl. 119—80)

In an animal feeder which comprises a feeding pan adapted to be supported from the ground and means on the pan to support a barrel of liquid feed above the pan, the barrel having an outlet fitting on its lower end; means to control the flow from the barrel onto the pan comprising a tubular valve body secured in and depending from the fitting, said body having ports in the

side thereof, a valve plunger movable vertically in the body and having a top portion slidably fitted in the body and movable from above to below the ports, a float connected to the plunger

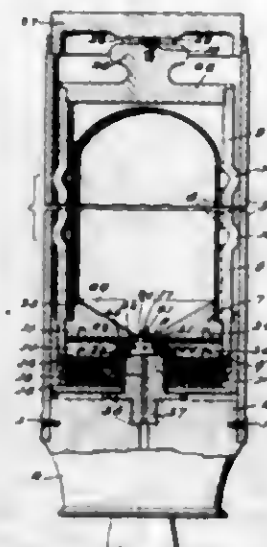


below the body, a shoulder in the body limiting upward movement of the plunger and forming a seal against the same, and an element in the body to engage and limit downward movement of the plunger to a full-open position of the ports.

2,629,362

FOUNTAIN PEN CONSTRUCTION

Walter Muench, Newark, N. J., assignor to Walter Muench, Incorporated, Newark, N. J.
Application May 22, 1945, Serial No. 595,106
10 Claims. (Cl. 120—45.4)



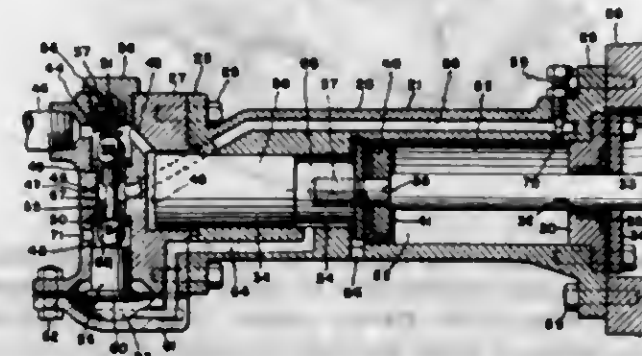
1. An ink cartridge as a readily replaceable element for use in fountain pens wherein are included a cartridge receiving barrel, a pen carrier and a pen carried thereby and a piercing pin all having an ink flow duct therethrough leading into the interior of the barrel; said cartridge comprising an ink reservoir shell slidably receivable in a pen barrel and having a large axially centered opening in the end thereof presentable to a piercing pin, a thin rubber membrane and means for holding the same stretched taut over said opening for normally sealing the opening against ink leakage but adapted upon contact with a piercing pin and by reason of its inherent elasticity to be suddenly ruptured thereby and suddenly spring in all directions out-

wardly from its center throughout the full diameter of said large central opening to break the seal across the whole of the large opening and permit entry of the piercing pin and its duct into the shell interior, and supplementary sealing means engageable in ink sealing contact with the piercing pin outwardly and endwise of said membrane.

2,629,363

RECIPROCATORY ENGINE

Gordon F. McClay, Lennoxville, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 22, 1949, Serial No. 134,440
2 Claims. (Cl. 121—27)

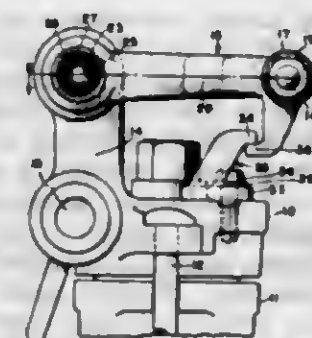


1. A reciprocatory engine, comprising a casing having a differential bore, a reciprocatory piston in the bore having portions corresponding to the diameters of the bore, a passage in the casing to constantly admit pressure fluid into the small end of the bore, a second passage in the casing for conveying pressure fluid to and exhaust fluid from the opposite end of the bore, a valve chamber in the casing having an atmospheric vent, valve means in the valve chamber for controlling the flow of fluid to and from said second passage, a kicker passage in the casing controlled by the piston for valving pressure fluid to the valve means for throwing the valve means to a position for admitting pressure fluid into said second passage, an actuating surface on the valve means subjected constantly to pressure fluid tending to move the valve to a position for cutting-off the admission of pressure fluid to said second passage and to establish communication between said second passage and the atmospheric vent, a spring acting against the valve means to augment the pressure of the fluid acting against the actuating surface, and means for selectively controlling the rate of flow of fluid through said second passage.

2,629,364

VIBRATION ABSORBING HANDLE FOR ROCK DRILLS

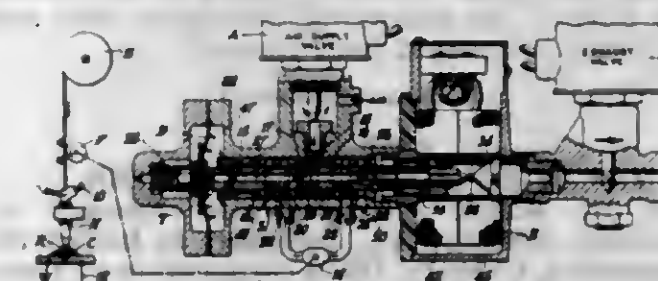
James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application June 16, 1950, Serial No. 168,515
7 Claims. (Cl. 121—36)



1. A handle for a percussive tool having a cas-

2,629,365

ELECTROPNEUMATIC CONTROL SYSTEM
Harry E. Kennedy, Berkeley, Calif., assignor, by means assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 11, 1949, Serial No. 80,911
6 Claims. (Cl. 121—46.5)

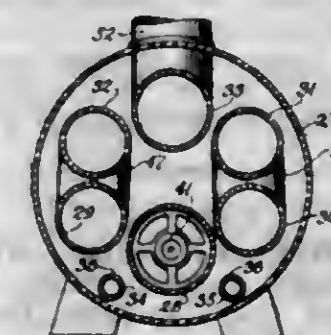


1. In an electro-pneumatic control system comprising an air motor, the improvement which comprises a slide valve having a hollow piston slidable in a stationary sleeve having ports in communication with an air supply, said piston having circumferential grooves which conduct air from the sleeve ports to the air motor, said piston also having a small hole which passes air to the interior of the piston, a diaphragm mounted on said hollow piston for sliding said piston in said sleeve in response to the pressure of the air therein, a solenoid having an armature provided with normally open needle valve cooperating with one end of said hollow piston, and responsive to energization of the solenoid for controlling said air valve, a casing housing said diaphragm and having a chamber on one side thereof in communication with the interior of the piston valve so that movement of the needle valve controls air pressure acting on the diaphragm, and means including a valve for exhausting the air flowing through said needle valve to the atmosphere.

2,629,366

HEATER FOR ASPHALT AND TABS

John F. Seevers, New Alsace, Ind.
Application February 3, 1949, Serial No. 74,268
3 Claims. (Cl. 122—137)



1. A booster heater for tank cars containing viscous material such as asphalt and the like, comprising a closed vessel having an inlet and outlet for such viscous material, a plurality of spaced heating tubes within said vessel and ex-

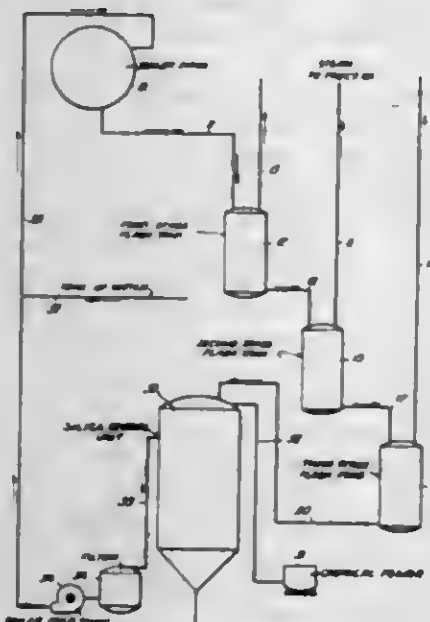
tending parallel to the longitudinal axis thereof and connected to form a plurality of passes within the said vessel, the tubes constituting the inlet and outlet passes being substantially in the same vertical plane and the tubes constituting the intermediate passes being disposed on opposite sides of said plane and in spaced substantially parallel relation to each other, the inlet pass tube having an inlet communicating with the exterior of said vessel and the outlet pass tube having a discharge outlet extending through a wall of said vessel, a distributor for viscous material disposed within and extending lengthwise of said vessel comprising a pipe having a plurality of outlets spaced lengthwise thereof arranged to discharge viscous material onto the surfaces of some of said tubes and into the space between others of said tubes, and a burner for supplying hot gases into said tubes through the said inlet thereof.

2,629,367

TREATMENT OF BOILER WATER

James M. Kahn, Glencoe, and Edward G. Kominek, Chicago, Ill., assignors to Inflico Incorporated, Chicago, Ill., a corporation of Delaware

Application March 21, 1947, Serial No. 736,180
9 Claims. (Cl. 122-397)



9. A method of maintaining the silica concentration in a high pressure boiler within the limits predetermined by the operating pressure of the boiler comprising treating successive portions of such water externally of the boiler and separately from any make-up water with an inorganic magnesium salt, thereby precipitating magnesium hydroxide which adsorbs silica from the water, separating the precipitate with adsorbed silica from the treated water, and returning the treated water to the boiler, thereby reducing the silica concentration in the boiler.

2,629,368

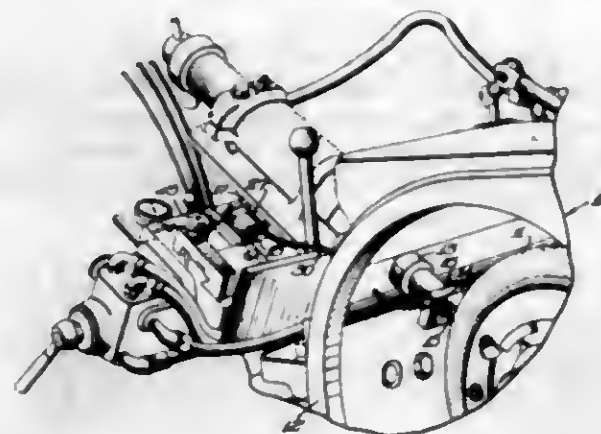
GRINDING WHEEL DRESSING MECHANISM

Stanford P. Bruce, Detroit, Mich., assignor to Wheel Truing Tool Company, Detroit, Mich., a corporation of Michigan

Application September 17, 1949, Serial No. 116,315
3 Claims. (Cl. 125-11)

1. A grinding wheel dressing assembly, a grinding wheel, a carriage arranged to traverse the surface of said grinding wheel, a tool housing carried by said carriage, a tool holder rotatably

mounted within said housing, a ratchet wheel carried by said holder, a ratchet pin retainer mounted for reciprocating movement within said housing, a ratchet pin carried by said retainer, a spring urging said ratchet pin into contact with said ratchet wheel, a flexible cable having one end secured to said retainer, an arm pivotally



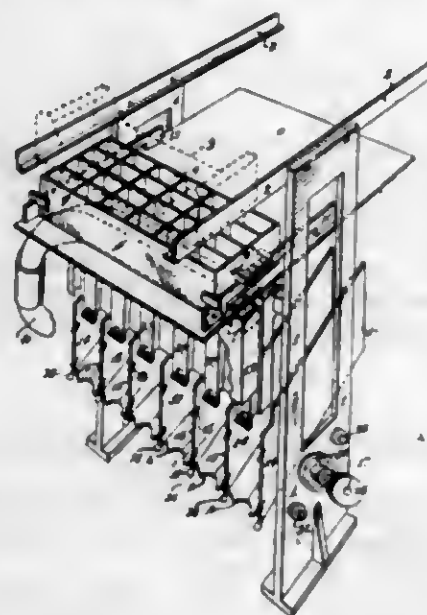
secured to said carriage, a spring connecting said arm to the other end of said cable, said arm being arranged to pivot upon the completion of a traverse of said carriage across the surface of said grinding wheel and to thereby bring said ratchet pin into contact with said ratchet wheel and rotate the same a predetermined amount.

2,629,369

BAG DISPENSING APPARATUS FOR BAGGING MACHINES

Christian K. Nelson, Los Angeles, Calif., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware

Application June 3, 1948, Serial No. 30,822
2 Claims. (Cl. 226-2)



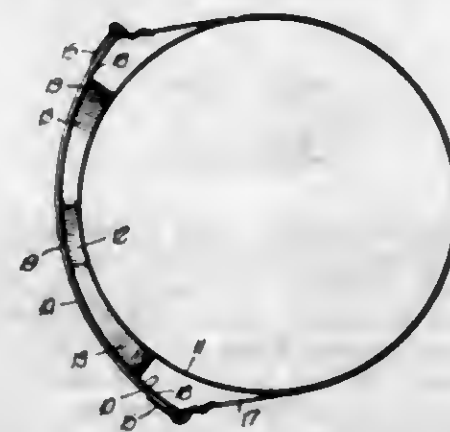
1. A bag filling machine comprising a plurality of article receiving chutes, a plurality of air blast chutes adjacent and behind said receiving chutes, and having a protruding front wall provided with an outwardly pointing air deflecting lip and an aperture with inwardly pointing fingers, a plurality of inclined receiving compartments having moveable walls and adapted to move gusseted bags under the force of gravity and located below said chutes, and lug friction holders adapted to retain the movement of empty bags against the force of gravity but to release a filled bag.

2,629,370

PROTECTIVE SHIELD FOR STOVE AND LIKE PIPES

Eugene Janaki, Chicago, Ill.

Application August 6, 1951, Serial No. 240,570
3 Claims. (Cl. 126-201)



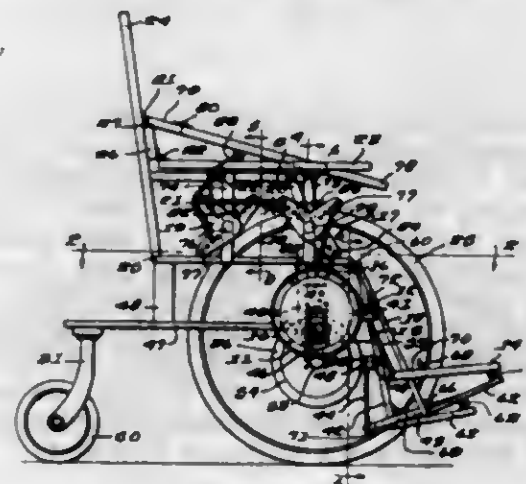
1. A protective shield for stove and like pipes comprising an arcuate sheet, a plurality of wings struck out from the sheet substantially at right angles therewith, some of said wings being comparatively short and disposed in a mutual spaced relation and in a transverse relation with the sheet, the remaining wings being arranged in pairs, each pair being disposed above one of said short wings and in a mutually divergent manner, the edges at the free ends of all of said wings being so formed as to conform substantially to the curvature of the pipe when the shield is brought towards the pipe with the free ends of said wings in contact therewith, and means for rigidly maintaining said sheet in a spaced relation with the pipe with said wings interposed between the sheet and the pipe.

2,629,371

WHEEL CHAIR EXERCISING ADAPTER

John J. Koclan and Warren H. Smith, Milwaukee, Wis.

Application July 7, 1950, Serial No. 172,518
5 Claims. (Cl. 128-25)



1. An exercising wheel chair comprising a seat having a back, an axle upon which the forward end of the seat is mounted, a caster supporting the rear portion of the seat, wheels having hubs on the inner surfaces mounted on the ends of the axle, cams mounted on the hubs of the wheels and eccentrically positioned in relation to the axle, rings having laterally extending relatively spaced tabs positioned on the peripheries of the

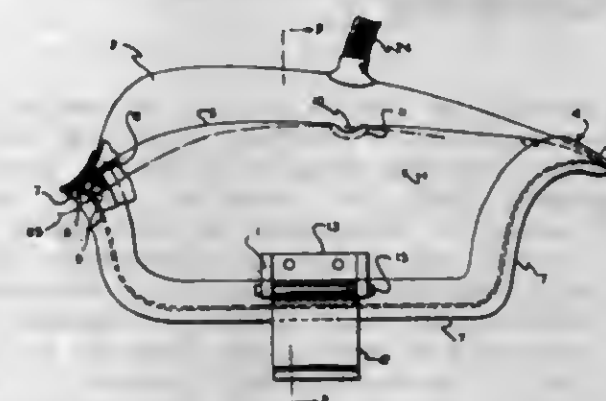
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2,629,372

CHEST RESPIRATOR

Francis T. Wallin, Brookline, Mass.

Application June 23, 1950, Serial No. 169,959
2 Claims. (Cl. 128-30)



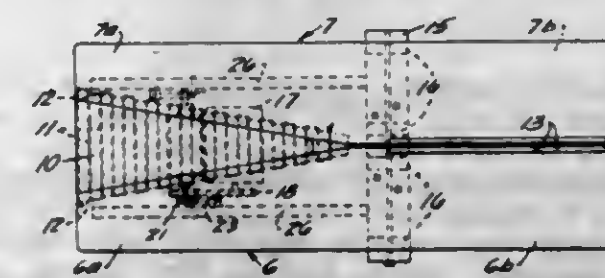
1. A chest respirator of the type described, comprising a shell adapted to extend over the chest and abdomen of a patient, having a peripheral sealing means extending around the periphery of the respirator comprising a yielding thin strip member extending over the outer peripheral surface of the respirator shell and beyond the edge thereof, a heavier soft yielding strip sealed in face relation in the region beyond the edge to said first strip and extending within the shell around its periphery and a thin flexible sheet sealed between the soft yielding strip and the first mentioned strip all around the periphery, said sheet forming a diaphragm coextensive with the interior of the respirator and having a hole therein.

2,629,373

EXERCISE MACHINE

Samuel H. Laustedt, Menomonie, Wis.

Application December 6, 1951, Serial No. 260,139
6 Claims. (Cl. 128-33)

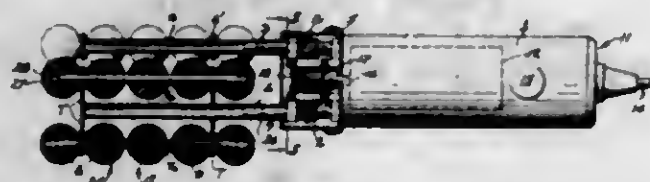


1. A machine of the class described comprising, a pair of elongated body supporting members each adapted to support one side of the body of a person in a reclining position thereon, end portions of said members being spaced apart laterally, a central back support bridging the space between said end portions, means pivotally supporting said members for oscillating movement about a substantially horizontal axis extending transversely of said members intermediate the ends thereof and power-actuated means operatively connected to said members whereby they may be oscillated and tilted about said substantially horizontal axis.

2,629,374

MASSAGING DEVICE

Joseph Acerbi, San Francisco, Calif.
Substituted for abandoned application Serial No. 628,007, November 13, 1945. This application March 17, 1950, Serial No. 150,190
4 Claims. (Cl. 128-57)

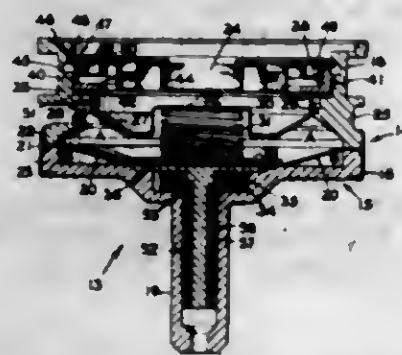


2. A massaging device of the character described comprising a handle; a pair of shafts suspended from the handle in spaced, parallel arrangement and for rotation about their parallel axes, the suspension of said shafts being at one end only and leaving substantially the entire lengths thereof unobstructed; a set of massaging elements for each shaft; and means supporting each set of massaging elements radially of its shaft; the angular arrangement of said elements about the shafts being such that the two sets, while rotating, describe overlapping cylinders, and such that the elements of one set clear those of the other set but are in substantial rolling contact.

2,629,375

EXHALATION VALVE

Bradford B. Holmes, New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 20, 1950, Serial No. 191,305
12 Claims. (Cl. 128-140)



7. A valve assembly comprising a casing having inlet and exhaust ports, a valve seat slidably mounted in said casing, a concave valve disc slidably mounted in said casing and having a rim adapted to engage said valve seat to thereby close communication between said inlet and exhaust ports, resilient means biasing the rim of said valve disc into sealing engagement with said valve seat, and means for yieldably supporting said valve seat in said casing.

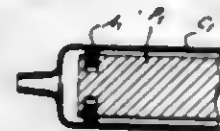
2,629,376

INJECTION SYRINGE

Pierre Gallice, Riorges, and Paul Nogler and Louis Nogler, Lyon, France, assignors to Societe d'Etudes et d'Applications Techniques S. E. D. A. T., Lyon, France, a limited liability company of France
Application July 15, 1949, Serial No. 104,922
In France July 22, 1948
14 Claims. (Cl. 128-218)

4. An injection syringe, comprising in combination, a tube having an inner, substantially cylindrical

surface; a piston having an end portion thereof located within said tube and being formed with an annular groove having a cylindrical bottom surface and two opposite, annular, side walls integral with said piston, normal to said bottom surface and extending toward said cylindrical surface of said tube, said groove having a depth



greater than its width; and resilient ring means loosely mounted in said groove and, in its uncompressed state, having an outer annular portion of a greater diameter than the diameter of said inner surface of said tube, so that said ring means is compressed by the latter, and said ring means having an inner annular portion spaced from said cylindrical bottom surface of said groove.

2,629,377

SYRINGE BAG

Dorothy E. Parks, Avalon, Calif.
Application April 2, 1951, Serial No. 218,820
3 Claims. (Cl. 128-227)



1. A disposable syringe comprising a fluid container of membranous material open at the top thereof, an elongated tube of membranous material integral at one end thereof with the bottom of said container, the top of said container being inclined to the horizontal and having a part bent over to form a flange extending into the interior of said container, the portions of said part adjacent the highest point of said container being overlapped, and a hole extending through said overlapped portions whereby to suspend said syringe on a suitable support.

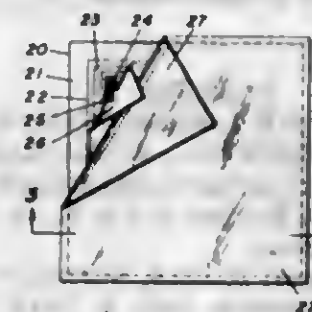
2,629,378

WET COMPRESS AND CONTAINER

Eugene A. Barton, Baltimore, Md., assignor of fifty per cent to James Frenkil, Baltimore, Md.
Application May 7, 1951, Serial No. 224,904
4 Claims. (Cl. 128-268)

1. A medical pad comprising a flexible backing having, on one face thereof, an adhesive area following the outer periphery of the backing, a medicated package located centrally of the backing in the portion thereof free of the adhesive

area, there being a space left between the confines of the medicated package and the adhesive area to prevent escape of moisture from the

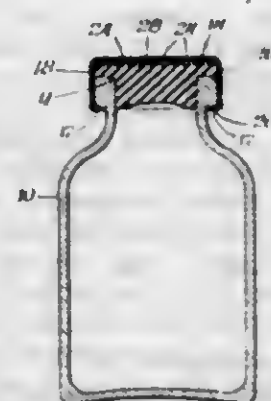


package when in use, and a waterproof membrane covering the package and secured to the aforesaid adhesive area.

2,629,379

PUNCTURE INDICATING CLOSURE FOR MULTIPLE DOSE VIALS

Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application February 21, 1951, Serial No. 212,104
2 Claims. (Cl. 128-272)

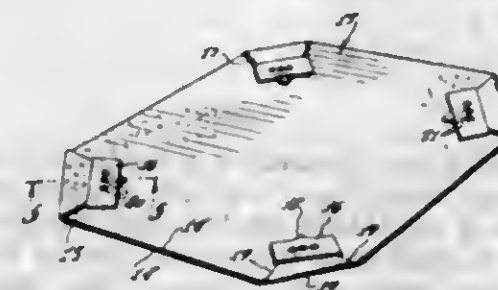


1. In a multiple-dose medicinal container, an improved closure comprising, in combination: a stopper closing said container, said stopper being self-sealing after being punctured by a hypodermic needle; and a penetrable non-self-sealing thin thermoplastic film intimately contacting the upper surface of the said stopper, said film having a color which contrasts markedly with that of the stopper whereby perforations formed therein by puncturing the said stopper are readily discernable against the contrasting background of the stopper.

2,629,380

SANITARY UNDERWEAR LINER

Edward W. Schwelkert, New York, N. Y.
Application October 31, 1950, Serial No. 193,126
1 Claim. (Cl. 128-284)

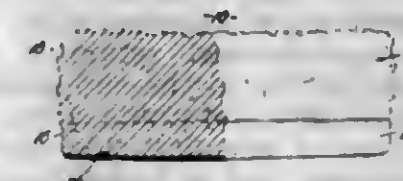


In combination with an article of underwear apparel such as, for example, a pair of shorts, a

detachable lining secured to and covering the inner surface of the crotch of the shorts comprising at least one sheet of an absorbent tissue, said lining being substantially rectangular in outline, four spaced buttons attached to the inner surface of said shorts around the area of the crotch thereof, the corners of said lining being doubled back against the underside thereof, adhesive strips of paper mounted against said doubled back corners and the areas of said lining immediately adjacent the intersecting edges of said doubled back corners for securing said doubled back corners against said underside of the lining, each of said strips having a longitudinal row of holes therethrough, each of said doubled back corners and the superimposed portion of said lining having a similar row of holes therethrough, each of said last-named holes being in alignment with one of said holes in said strip, thereby providing adjacent each corner of the lining a row of holes therethrough, the spaces between said last-named lining comprising separating walls, said lining being attachable to said inner surface of the shorts by passing one of said buttons through one of said last-named rows of said lining holes thereby causing said button to pierce said walls and convert said last-named row of lining holes to a button hole.

2,629,381
TAMPON

Ethel C. Brown, Mission, Kans.
Application August 2, 1951, Serial No. 239,973
6 Claims. (Cl. 128-290)



1. A catamenial tampon comprising an elongated body having a single pad of loosely packed highly absorbent material, and non-elastic reinforcement and stiffening means coated directly on the pad and coextensive in length therewith, said means having a predetermined self-sustaining configuration, rendering the body insertable between the labia of the vulva for sole support thereby with the pad in intersecting, covering relationship to the vagina orifice.

2,629,382

BINDING DEVICE FOR LEAVES AND METHOD OF MAKING THE SAME

Albert Gomez, Maspeth, N. Y., assignor to Freundlich-Gomez Machinery Corp., Brooklyn, N. Y.
Application December 15, 1945, Serial No. 635,182
9 Claims. (Cl. 129-1)



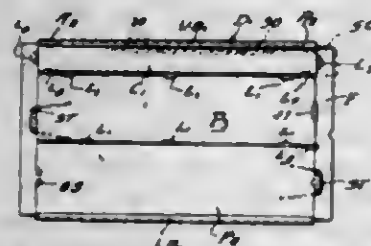
3. A binding device comprising a member cut from a tubular blank of synthetic resilient plastic material, said member having a longitudinal backbone portion, and spaced flexible, resilient fingers extending from one edge of said backbone portion, said fingers having free ends.

2,629,383

PRINTING DEVICE

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Original application May 31, 1946, Serial No. 673,670. Divided and this application April 29, 1950, Serial No. 159,081

2 Claims. (Cl. 129-16.8)



1. In a printing device, a rectangular frame made from sheet metal and embodying means for securing a printing plate thereon and also including card-mounting means defining a rectangular card receiving area and comprising a reversely bent retaining bead extended along one edge of said frame to afford a continuous overhanging card retaining member along one side of said area, upstanding retaining clips at opposite ends of said area, and a plurality of other overhanging retaining clips disposed along the opposite side of said area with one such clip disposed adjacent to each of said upstanding retaining clips, and an index card of flexible and resilient sheet material of a form corresponding substantially with said area and affording first and second side edges adapted to be positioned respectively beneath said retaining bead and said other clips and with the end edges engaged with said upstanding retaining clips, said card having a portion of said first side edge adjacent one end of the card cut at a slight angle to said first side edge so as to enable said one end of card to be urged edgewise into said bead so as to be buckled momentarily into said bead and thereby reduce the effective width of the card at said one end and enable said second side edge of said card near said one end to be inserted under the overhanging clip at that end of said area.

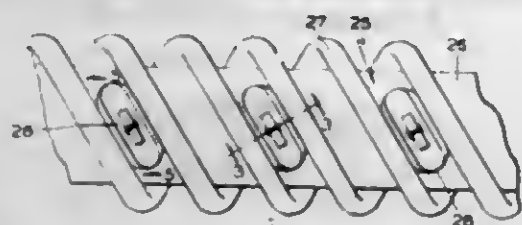
2,629,384

SNAPPING ROLL WITH RUBBER INSERTS

Elof K. Karlsson, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey

Original application September 30, 1948, Serial No. 52,112, now Patent No. 2,569,175, dated September 25, 1951. Divided and this application December 29, 1949, Serial No. 135,571

2 Claims. (Cl. 130-5)



1. In a corn snapping roll comprising a substantially cylindrical core, a spiral rib extending around and over substantially the entire length of the core and forming an integral part thereof, pads of yieldable material positioned on the roll equidistant between adjacent convolutions of the

spiral rib, and means for holding the pads to the roll at their centers, said pads being circular and of greater diameter than the spacing between adjacent spiral rib convolutions.

2,629,385

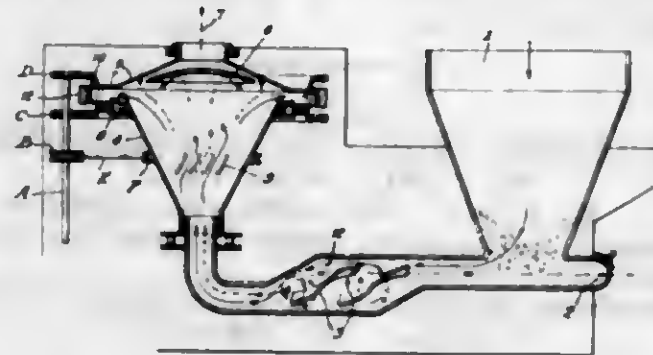
DEVICE FOR LOOSENING AND DISTRIBUTING TOBACCO

Horst Kochalski, Hamburg-Bergedorf, Germany, assignor to Kurt Korber & Co. K. G., Hamburg-Bergedorf, Germany

Application August 2, 1949, Serial No. 108,216

In Germany July 5, 1949

3 Claims. (Cl. 131-62)



1. A device for loosening and distributing tobacco comprising an air duct suitable to carry tobacco within a stream of air, means within said duct to impart helical motion to the composite air and tobacco, a vertical separator drum with a rim at its upper end and adapted to be rotated at high speed, a rotatable channel structure substantially within the plane of the upper rim of said separator drum and concentrically surrounding it into which the tobacco particles are hurled to accumulate into a tobacco string, a cover plate above said separator drum and forming a part of said channel structure, and means within said cover plate to obstruct the passage of tobacco and to permit the escapement of air.

2,629,386

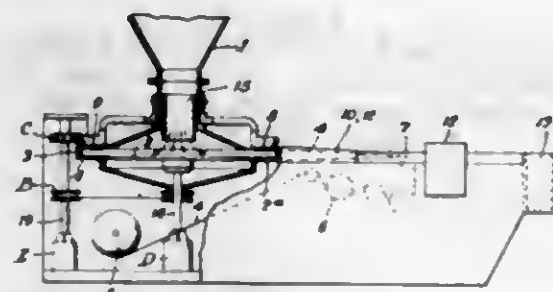
DEVICE FOR FORMING TOBACCO RODS OR STRINGS

Horst Kochalski, Hamburg-Bergedorf, Germany, assignor to Kurt Korber & Co. K. G., Hamburg-Bergedorf, Germany

Application August 2, 1949, Serial No. 108,215

In Germany July 5, 1949

3 Claims. (Cl. 131-66)



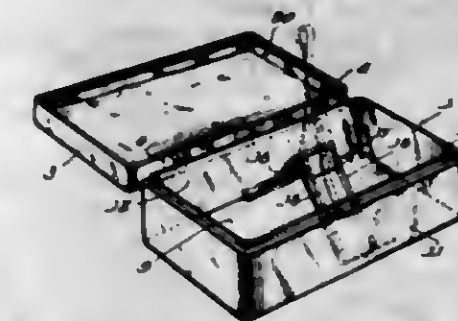
1. A device for producing a continuous tobacco string comprising two laterally spaced rotatable flat rings, a rotatable center disc concentrically arranged within said flat rings, means for feeding tobacco onto said center disc, means for guiding a continually unreeling paper strip around the periphery of said flat rings bridging the space between them, a fixed wall surrounding the circumference of both said flat rings and

2,629,389

BOBBY PIN BOX

Lloyd R. Westby, Berwyn, Ill.
Application June 25, 1949, Serial No. 101,278

9 Claims. (Cl. 132-1)



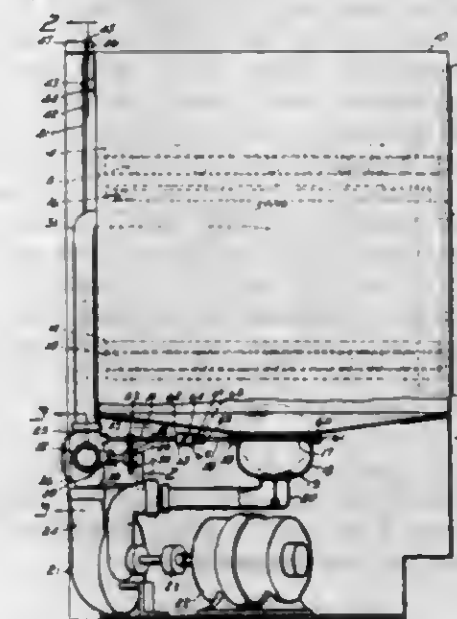
1. In a receptacle for bobby pins, and the like, a pin container having a bottom, side and end walls connected thereto, an upwardly extending resilient wedge member positioned in said receptacle and attachably carried thereby, said member having oppositely inclined walls intersecting at an acute angle to form a relatively sharp edge adjacent the top of the receptacle for engagement with the free ends of a bobby pin for initially separating the same, the portions of one of said walls being at a greater inclination than the corresponding portions of the other wall, said walls being operative upon downward movement of a pin initially engaged with the wedge member to spread the pin a desired distance.

2,629,390

DISHWASHING MACHINE

Frank G. Walker, Santa Barbara, Calif.
Application February 13, 1946, Serial No. 647,376

6 Claims. (Cl. 134-104)



1. A dishwasher having a dish-receiving cabinet and providing a sump below the level of the dishes, said sump having an outlet at the bottom thereof, a strainer tiltably mounted for inversion in the sump outlet, a pump having an inlet connected with the sump outlet, a nozzle for spraying cleansing solution upon the dishes, a valve actuatable either into a recirculating status for connecting the outlet of the pump only with the nozzle or into a draining status for connecting the outlet of the pump only with a drain, and a manually operated mechanism constructed and arranged to be operated to condition the valve for draining in advance of inverting the strainer and to invert the strainer for dumping.

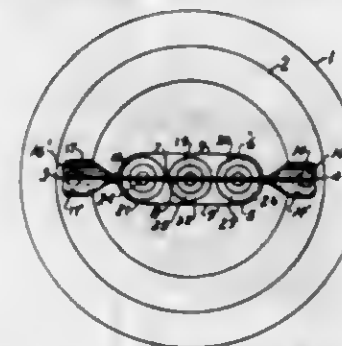
2,629,387

CIGARETTE EXTINGUISHING DEVICE

Nicholas C. Amen, Glendale, Calif.

Application May 10, 1951, Serial No. 225,610

2 Claims. (Cl. 131-235)



1. A cigarette extinguishing device comprising a pair of complementary elements having flat surfaces which are normally juxtaposed, each element having vertically arranged spaced half-bores which form complete bores when the elements are juxtaposed, each element having an upwardly projected lobe-like portion at each end, a fulcrum pin depending beneath each lobe-like portion, the fulcrum pin pair at each end of the device being positioned to enter a hole in the top of an ash tray, the lobe-like portions at both ends of the device being flared upwardly to provide cigarette receivers and also to serve as finger grips for separating the elements.

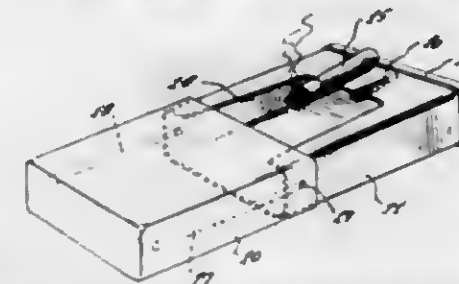
2,629,388

COMBINED CIGARETTE CONTAINER AND ASH TRAY

Edward J. Duhaime, Brooklyn, and Frank J. Musacchia, Jamaica, N. Y.

Application June 4, 1949, Serial No. 97,104

1 Claim. (Cl. 131-242)



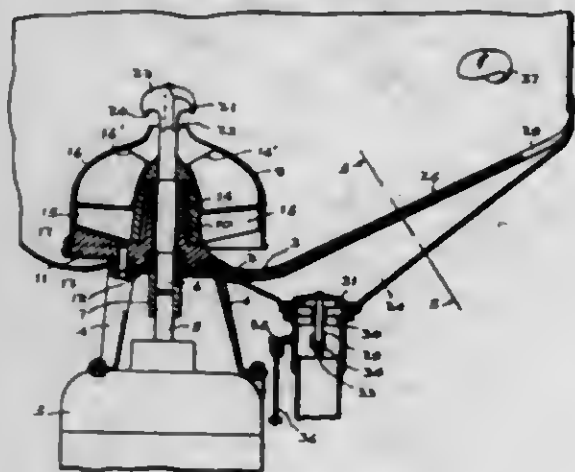
A combined cigarette case and ash tray comprising an open end container and a closure for said container, said closure having an open end defined by side walls, a bottom wall and flanges extending from the side walls inwardly over the bottom wall and at opposite portions in spaced relation to each other to define a gap, said closure having a closed end and a flange extending therefrom provided with recesses to receive cigarettes, said recesses extending from the closed end to the space between the side wall flanges, whereby a cigarette resting in a recess may have its lighted end in a position over the gap between the side wall flanges, so that any ashes falling therefrom may drop on the bottom of the closure, said container being adapted to receive the ashes when dislodged from the bottom of said closure when the combined cigarette case and ash tray is tilted to upright position.

2,629,391

AUTOMATIC SELF-CLEANING DISHWASHING MACHINE OF THE RECIRCULATING TYPE

Frederick S. Hummel, Toronto, Ontario, Canada, assignor to Triumph Dishwashers Limited, Toronto, Ontario, Canada

Application May 1, 1948, Serial No. 24,478
7 Claims. (Cl. 134-110)



7. In a dishwashing machine, a dishwashing chamber, an impeller mounted centrally in said chamber adjacent the bottom for continuously circulating a body of cleansing liquid in said chamber, the bottom of said chamber sloping inwardly towards the centre and having a sump therein at one side of said impeller, said sump being set in a surrounding bottom wall and extending generally radially of the impeller from beneath said impeller to adjacent the wall of said chamber, said sump sloping from a point which is located at a level above the central portion of said bottom towards said central portion, a screen substantially flush with said surrounding wall overlying said sump and inclined substantially at the slope of said bottom and defining an unscreened opening to said sump remote from the central portion of said bottom to conduct a portion of circulating liquid each circulation to said impeller from beneath said screen up through said screen, a portion of the remainder of the circulating liquid cascading on said screen from above to flush said screen in a direction opposite the direction of flow therethrough of liquid conducted from beneath said screen to said impeller, and a water inlet arranged above the sump, a drain leading from said sump and control means controlling said impeller means and liquid flow into and out of said chamber through said inlet and outlet respectively.

2,629,392

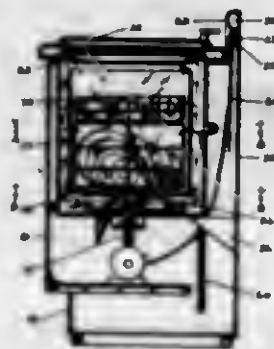
DISHWASHER WITH A REMOVABLE AND SPLIT WATER DEFLECTOR

Leland A. Davis, Montreal, Quebec, Canada
Application October 18, 1948, Serial No. 55,177
In Canada July 26, 1948

2 Claims. (Cl. 134-183)

1. In a dishwasher, a rectangular shaped cabinet having a circular aperture in the top thereof, a hinged cover for the circular aperture, an outer tub adapted to be permanently mounted in said cabinet and terminating short of the bottom thereof, a circular inner tub adapted to be detachably mounted in said outer tub and having its top edge located below the top edge of the outer tub, said outer and inner tubs forming a

circumferential space therebetween, the side wall of said inner tub having a plurality of apertures therein and the bottom wall of same having an aperture therethrough, an inwardly turned lip formed on the top edge of said outer tub extending therearound, piping in said cabinet for introducing water into said outer tub, which tub is provided with an outlet, an impeller located and rotatably secured in the space between said tubs and beneath said inner tub, an electric motor being mounted in the lower portion of said cabinet and suitably connected to said impeller to



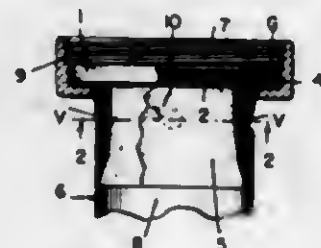
rotate the same, said motor having suitable connections connectable to an electric power source, racks adapted to be fitted into said inner tub and to be removable therefrom for holding dishes and cutlery within said inner tub, and a split deflector ring being freely mounted on the top edge of said inner tub between the same and the said lip of said outer tub and being movable therebetween, the said deflector ring being adapted to deflect the impeller agitated water rising upward in the space between the said tubs down into said inner tub over the contents of said racks.

2,629,393

COMBINED CHECK VALVE AND VENT VALVE

Jesse D. Langdon, Long Beach, Calif.
Application May 5, 1949, Serial No. 91,589

7 Claims. (Cl. 137-217)



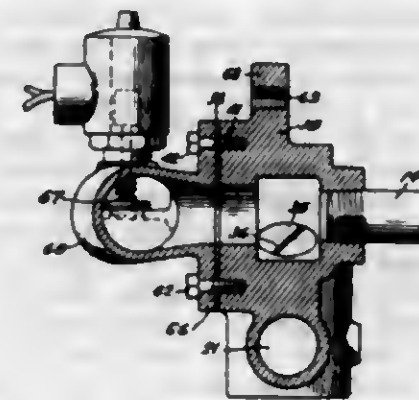
1. For insertion into a hollow casing having inlet and outlet ends and vent means thru the wall of the casing between the two ends; a tubular valve member made of deformable material capable of returning to shape and comprising an enlarged intake end formed with annular supporting means adapted to conform with the inlet end of a casing for retaining the valve member in operative position, a partition closing the tube between said intake end and the discharge end of the tubular member, said discharge end formed by a skirt depending from said partition and adapted to project toward the outlet end of the casing beyond the vent means provided for said casing, said partition being slit to provide a normally closed passage adapted to open under fluid pressure exerted from the intake side of said partition permitting pressure fluid to activate and expand said skirt.

2,629,394

VALVE STRUCTURE FOR GAS BURNERS

Harry L. Giwosky, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas

Application June 30, 1948, Serial No. 36,015
4 Claims. (Cl. 137-269)



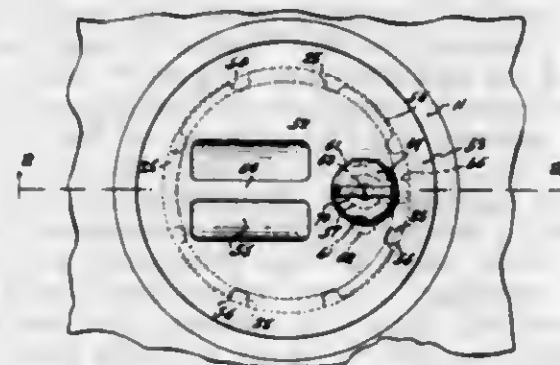
3. In a structure for controlling the gas supplied to the pilot burner and the main burner of a heating appliance, the combination comprising a valve casing providing an inlet chamber and an outlet chamber communicating with each other through a control valve, said casing providing an outlet passage leading from said outlet chamber, said casing having a restricted portion between said outlet chamber and said passage for receiving a plug to close said passage, a removable outer plug of larger diameter than said restricted passage portion closing the outer portion of said passage, a main burner conduit communicating with said outlet passage, said casing providing also a second outlet passage from said outlet chamber, a pilot conduit communicating with said second outlet passage, ports opening into said outlet passages through the rear wall of said casing, and a removable plate closing said ports, whereby said structure can be easily converted from manual to automatic operation by substituting a fitting having a conduit therein for said closure plate, removing said outer plug, inserting a closure plug in said restricted passage portion, and replacing said outer plug.

2,629,395

HYDRANT FOR AIRCRAFT REFUELING

Howard C. Krone, Ridgewood, and William Meyer, East Orange, N. J., assignors to Wheaton Brass Works, Newark, N. J., a corporation of New Jersey

Application March 21, 1951, Serial No. 216,716
3 Claims. (Cl. 137-283)



2. A valved hydrant structure adapted to be imbedded in the ground substantially flush with

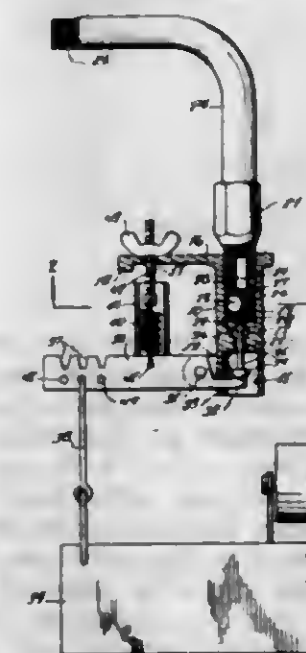
the surface thereof to lead from an underground pipe line, said structure comprising an endwise open housing having means at its lower end to receive connection of the type line thereto, said housing having at its upper end a diametrically enlarged upwardly open mouth to provide a cover member receiving chamber, an internal annular shoulder within said chamber intermediate the top and bottom thereof, circumferentially spaced coupler tongues projecting radially inward from said shoulder and spaced above the bottom of said chamber, a cover member movable axially into said chamber, said cover member having a peripheral top flange to seat on said internal shoulder, a sealing gasket mounted on said shoulder engageable by said top flange, said cover member having circumferentially spaced coupler tongues projecting radially outward therefrom for engagement beneath said coupler tongues in the chamber by rotation of the cover member whereby to detachably secure the latter in closing relation to the hydrant structure, said cover member having an upwardly open hand hold pocket and a hand grip member bridging the same by which said cover member can be manipulated, and a key barrel actuatable lock device mounted in said cover member, said lock device having a movable bolt projectible into a space between adjacent coupler tongues within the chamber, whereby upon abutment with one or the other of the latter to prevent releasing rotation of the cover member.

2,629,396

POULTRY WATERER REGULATING VALVE

Norman F. Toadvine, Salisbury, Md.

Application August 26, 1949, Serial No. 112,531
2 Claims. (Cl. 137-408)



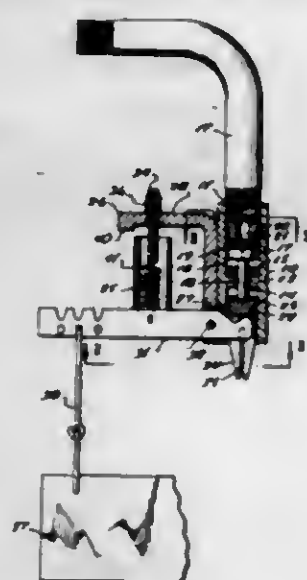
1. An automatic valve comprising an elongated valve body having a bore extending longitudinally therethrough, means at one end of said bore for securing an end of a water conduit to said body, said body providing a discharge opening at the opposite end of said bore, spaced apart valve seats in said bore in mutually opposed relationship, a valve piston in said bore between said valve seats and operative to close with either one of said valve seats to interrupt flow of water through said valve, an arm projecting substantially perpendicular from said body at said one end of said bore, an apertured lug projecting outwardly from said body at the opposite end of

said bore, a pan suspending lever pivotally connected to said lug and having at one end a finger extending into said valve body, means interposed between said finger and said valve piston for moving said piston against one of said valve seats when said lever is swung away from said arm by the weight of water in a pan suspended from said lever, a spring connected between said lever and said arm for moving said lever towards said arm to permit engagement of said piston with the other of said valve seats when less than a predetermined weight is suspended from said arm, a projection on said arm at the end thereof remote from said valve body, and a tubular body surrounding said spring and manually tiltable into engagement with said projection to hold said lever in position to maintain said valve piston between said valve seats and hold said valve open, said tubular body being released by gravity from said projection when said lever is moved against the force of said spring by a predetermined weight of water in a pan suspended from said lever.

2,629,397

AUTOMATIC WATER VALVE

Norman F. Toadvine, Salisbury, Md.
Application March 3, 1950, Serial No. 147,403
4 Claims. (Cl. 137-408)



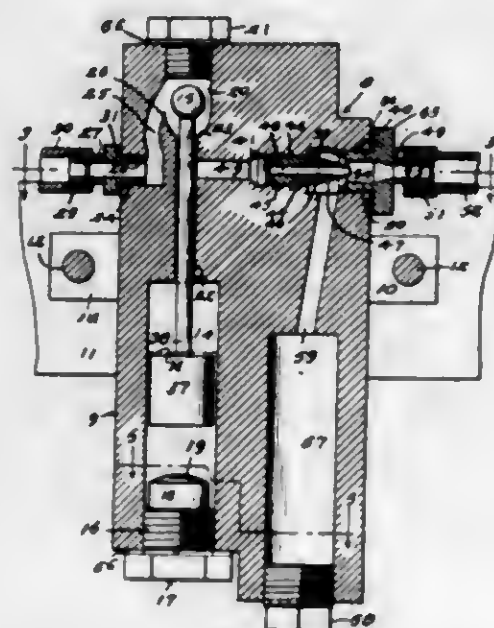
1. In an automatic valve for controlling the flow of water to a receptacle suspended from the valve, an elongated tubular valve body having internal screw threads at one end for receiving the screw threaded end of a water conduit and an annular projection internally and intermediate the length thereof, said projection surrounding a central orifice and providing an annular shoulder at the side thereof adjacent the screw threaded end of said valve body, a washer of resilient material seated on said annular shoulder and having an aperture therein in registry with said orifice, a valve plunger having a head disposed at the side of said washer opposite said annular projection and a stem extending from said head through said aperture and said orifice, said stem being smaller than said aperture and said orifice to permit the passage of water through said aperture and said orifice along said stem, a solid disc of resilient material at the side of said valve head opposite said washer, a screw plug threaded into the screw threaded end of said body and having a bore therethrough, said disc contacting said screw plug to cut off the flow of water through said valve when said valve plunger is in one operative position and said plunger head contacting said

washer to cut off the flow of water through said valve when said valve plunger is in a different operative position, a bolt slidably mounted in said valve body at the side of said internal projection opposite the screw threaded end of said body, said bolt having at one end a concave formation receiving the adjacent end of said plunger stem and being tapered toward its other end and provided in its tapered portion with a transversely extending slot, an angle bracket having one leg secured to said valve body and extending longitudinally thereof with the other leg of said bracket projecting outwardly from said body at the screw threaded end of the latter, a lever arm pivotally secured to said angle bracket at the end of said valve body opposite said screw threaded end and having one end received in the slot in said bolt, and a tension spring connected between said lever arm and said other leg of the angle bracket to exert a lifting force on said lever arm to close said valve in one direction, said valve being closed in the opposite direction by the weight of water in a receptacle suspended from said lever arm.

2,629,398

AUTOMATIC HYDRAULIC SAFETY VALVE

Frederick J. Sloan, Charleston, W. Va.
Application May 16, 1952, Serial No. 288,184
8 Claims. (Cl. 137-460)



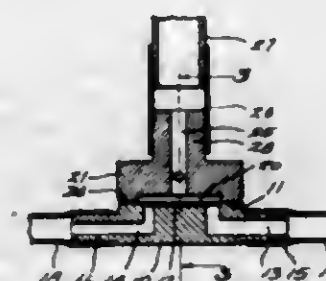
5. A normally open automatically closing hydraulic safety valve comprising a valve body having a passage extending therethrough including an inlet end adapted to be connected to a source of supply of a hydraulic medium under pressure and an outlet end adapted to be connected to a line to be supplied with the hydraulic medium under pressure and normally containing a hydraulic medium under pressure for maintaining a back pressure in said passage, said passage including an upwardly opening valve seat, a ball valve disposed in a part of said passage and closing the passage for the passage of the medium under pressure from its inlet to its outlet end when the ball valve is in engagement with the valve seat, a mercury containing chamber formed in said valve body, a float buoyantly supported in said chamber, a stem rising from said float and extending into said passage and normally supporting the ball valve in a raised open position out of engagement with the valve seat, Venturi means disposed in the passage adjacent its outlet end, and conduit means formed in the valve body including a siphon portion extending

to above the mercury containing chamber, said conduit means being connected to the outlet end of the passage and to the lower part of said mercury containing chamber for siphoning the mercury from said chamber to allow the float to drop to permit the ball valve to close by gravity when a pressure drop occurs in the outlet end of the passage beyond said Venturi means and when a suction is thereby created in the conduit means by the medium under pressure passing through the Venturi means and outwardly through the outlet end of the passage.

2,629,399

SAFETY VALVE FOR REGULATING AND TESTING LIGHT PRESSURES

George Kulick, Milwaukee, Wis.
Application October 16, 1946, Serial No. 703,580
4 Claims. (Cl. 137-525)

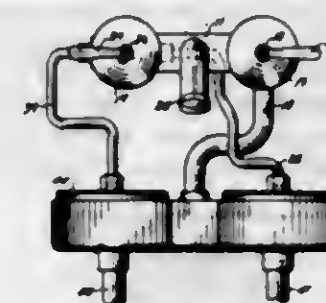


1. In a sensitive valve structure the combination with a casing comprising clamping parts, of a diaphragm having margins clamped between said parts, one of said casing parts having inlet and outlet ports and a seat surface about at least the inlet port and upon which one face of said diaphragm normally rests directly, the portion of the diaphragm resting on said seat being highly flexible, the other casing part having a cavity to which the other face of the diaphragm is exposed, and means for subjecting said other face to hydrostatic pressure in opposition to diaphragm displacement from its seat about the inlet port, said diaphragm being locally displaceable from said seat, said hydrostatic pressure means including a liquid reservoir having means affording communication with said cavity.

2,629,400

WATER TEMPERATURE CONTROL VALVE

Earl J. Horrell, Denver, Colo.
Application September 10, 1949, Serial No. 115,008
1 Claim. (Cl. 137-607)



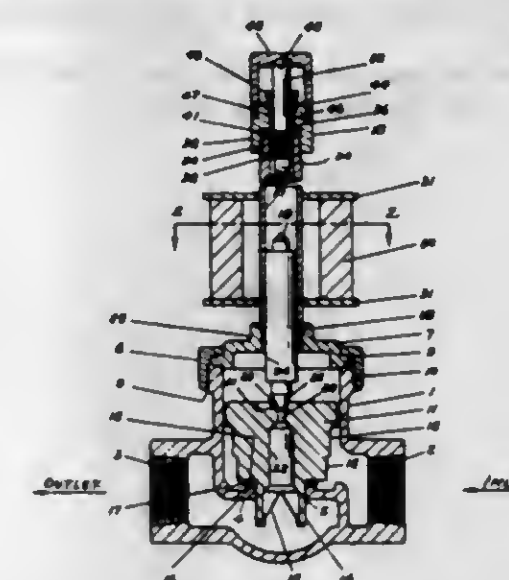
A temperature control valve comprising: a housing; a water passage in said housing; a hot water port opening to said passage; a cold water port opening to said passage; a pressure-oper-

ated diaphragm forming a portion of the wall of said passage, there being one diaphragm positioned opposite each port; a plug valve mounted on each diaphragm and closing the port opposite the diaphragm so that pressure in said passage will act to flex said diaphragm and open said valves; a pressure chamber on the opposite side of each diaphragm in which pressure will act to close said valves; a by-pass passage by-passing each plug valve to supply fluid pressure to each pressure chamber; an independent valve in each of said passages; a conduit communicating with the water passage in said housing; a first tube extending from one of said pressure chambers; a second tube extending from the other of said pressure chambers; a tappet valve positioned in the line of flow from each of said tubes to said conduit; and a single means for operating both tappet valves oppositely and simultaneously.

2,629,401

MAGNETICALLY CONTROLLED PACKLESS VALVE

Wesley G. Miller, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 8, 1947, Serial No. 778,688
2 Claims. (Cl. 137-657)



1. In combination, a valve, a magnetic operating means for said valve, said valve comprising a hollow cylindrical body having an enlarged portion at one side thereof, a partition in said cylindrical body having an opening therein, a piston having an orifice, said piston disposed in said enlarged portion, and a projection on said piston adapted to project through said opening, said projection having a transverse V-shaped slot, said slot communicating with said orifice whereby fluid may flow through said orifice and slot and through said opening, thereby controlling the rate of closing of said valve.

2,629,402

ANTIBURST TUBE FOR PIPES

Frank Cook, Anaheim, Calif.
Application December 9, 1949, Serial No. 132,152
1 Claim. (Cl. 138-28)

An anti-burst device for water pipes and the like comprising a compressible elongated member having an axially extending wire, a plurality of sponge rubber core pieces arranged along the wire at spaced intervals, a plastic sheath inert to the chemical action of ordinary

water enclosing the wire and core pieces and sealed to and around the wire between the core

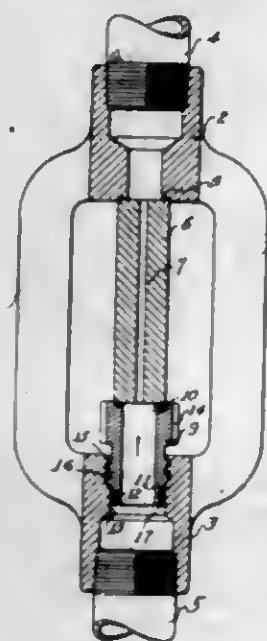


2,629,403

FLOW CONTROLLER

Herbert Allen, Houston, Tex., assignor to Cameron Iron Works, Inc., Houston, Tex., a corporation of Texas

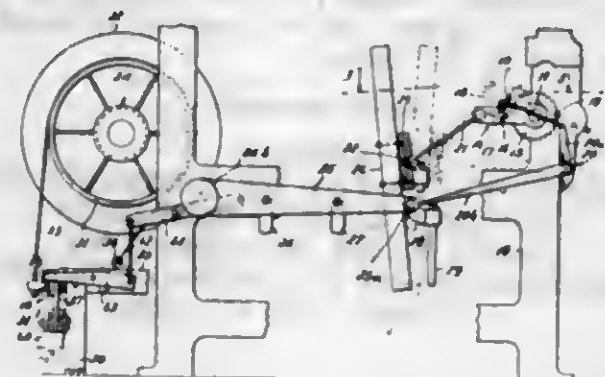
Application August 2, 1948, Serial No. 42,100
14 Claims. (Cl. 138-44)



1. Flow control apparatus comprising two spaced apart, substantially axially aligned flow fittings and means for securing a flow control element therebetween, said means including a retainer with a bore therethrough loosely connected to one of the fittings and directly movable endwise within limits into and out of clamping position relative to the other fitting whereby a flow control element may be clamped between the retainer and the other fitting, said retainer having endwise surface exposed to a pressure within the apparatus to be sealed against, the preponderance of such surface being exposed to the interior of the fitting to which it is connected whereby the pressure within the fitting urges the retainer toward clamping position.

2,629,404
LOOM ATTACHMENT FOR PRODUCTION OF FRINGE

Samuel P. Parker, La Grange, Ga., assignor to Callaway Mills Company, La Grange, Ga., a corporation of Georgia
Application November 7, 1950, Serial No. 194,553
8 Claims. (Cl. 139-24)

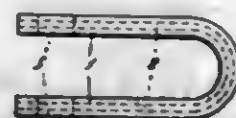


1. In a loom having an oscillating lay, a plurality of shuttle boxes movable alternatively to operative position, and a warp beam controlled by friction let-off mechanism, the combination of a cloth take-up roll, a ratchet wheel fast on the shaft of the roll, a pawl mounted for rocking movement and movable to engage the wheel and advance the wheel and roll upon being rocked, the pawl being normally out of engagement with the wheel, means connected to the lay for continuously rocking the pawl with the lay, means including a box motion lever for shifting the positions of the shuttle boxes, means for moving the pawl to cause it to engage the wheel, and means connected to the box motion lever for releasing the let-off mechanism, the moving and releasing means being actuated by the shifting means, when the latter moves a selected shuttle box to operative position.

2,629,405

LOOM LUG AND CHECK STRAP

Hans Büchi, Ruti, Schlossberg, Switzerland
Application August 16, 1950, Serial No. 179,799
In Switzerland September 22, 1949
2 Claims. (Cl. 139-153)



2. A leather strap for looms, used in connection with the picker to impart movement to the shuttle, comprising an outer leather web folded with longitudinally abutting edges to form a flat tube of single ply thickness, and a flat leather strap arranged within the tube and tightly surrounded by it, and a seam connecting the said abutting longitudinal edges of said outer web.

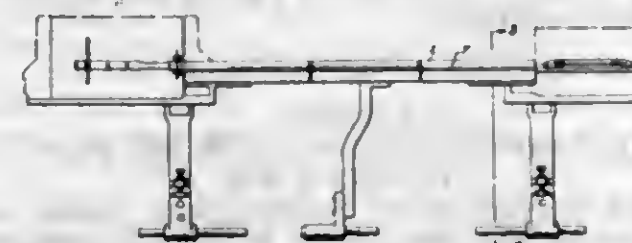
2,629,406

SHUTTLE

Arthur Croes, Lawrence, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
Application July 13, 1950, Serial No. 173,606
1 Claim. (Cl. 139-196)

A loom shuttle having in its side near its end remote from its eye an insert of material capable

of being charged with static electricity as the shuttle is thrown across the loom, said insert

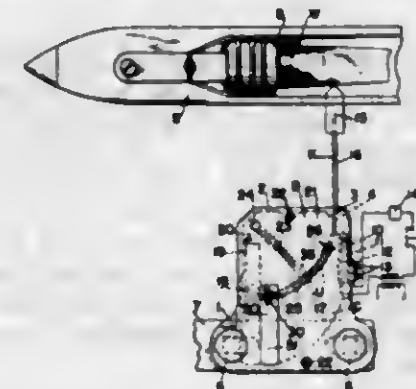


being surrounded on the exposed face of the shuttle by material substantially less capable of acquiring a static electric charge.

2,629,407

SIDE SLIPPING WEFT DETECTOR

Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 2, 1951, Serial No. 224,178
14 Claims. (Cl. 139-282)



1. In a weft detector mechanism including a base, a floating side slipping weft feeler mounted for bodily movement on the base in a forward direction when engaging an ample weft supply and for movement in a lateral direction longitudinally of the shuttle when engaging a depleted supply of weft, a spring oblique with respect to said directions and having one end held to the base, and rotatable means on the feeler operatively connected to the other end of the spring and operatively connecting the feeler and spring enabling the latter to resist movement of said feeler in either of said directions, said rotatable means effective when rotated on the feeler to move said other end of said spring and alter the obliquity of the latter relative to said directions.

2,629,408

TEMPLE THREAD CUTTER FOR LOOMS

Francis F. Larson, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 9, 1950, Serial No. 194,912
6 Claims. (Cl. 139-303)



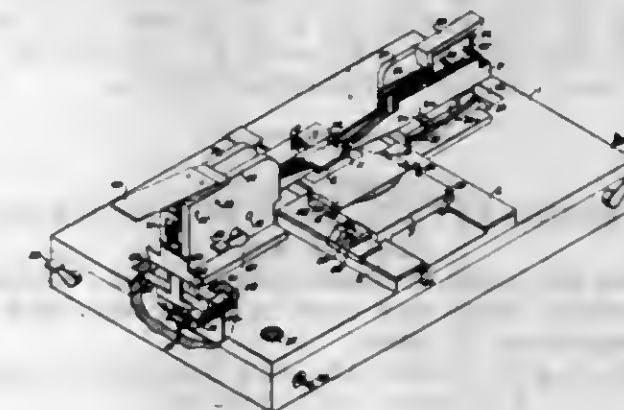
1. In a temple thread cutter for looms, the combination with a temple including a casing part

of which forms a cutter support, a fixed blade and a movable blade which comprises a horizontally disposed finger, a cutter tip at one end thereof and an abutment from which depends an actuating heel, said support defining a guideway for said movable blade and a complementary stopping surface for said abutment to limit movement of the movable cutter blade in one direction and to form a pivot about which it rotates to cause the tip of the blade to catch a thread to be cut and resilient means biasing the cutter toward open position, of a means to prevent wear on the metallic parts and to dampen the effect of the shock incidental to contact and rocking action between the said abutment and complementary stopping surface which comprises an intermediate impact and wear resistant pad of deformable, resilient, resinous compound so shaped as to span the cutter finger and to cover substantially the entire surface of one of the interengaging surfaces between the movable blade and support therefor, and means for detachably retaining said pad in position.

2,629,409

APPARATUS FOR FORMING ELECTRICAL STRAIN GAUGES

Walter M. Borer, Santa Monica, Calif., assignor to North American Aviation, Inc.
Application February 10, 1947, Serial No. 727,578
2 Claims. (Cl. 140-71)



1. Mechanism for forming electrical strain gauges composed of a thread of high resistance wire fixed between paper sheets comprising a table, platen means releasably attached to said table and adapted to hold a paper sheet in wire receiving position, wire engaging and retaining levers oppositely positioned with respect to said platen, releasable means for holding said levers in a retracted position, a threader carriage mounted on said table to move in a direction normal to said oppositely positioned levers, a threader arm pivotally mounted on said threader carriage, means for moving said threader arm successively to adjacent oppositely positioned levers, and means coordinated with the movement of said threader arm for releasing said levers and urging the same to wire engaging position and for moving said threader carriage to coordinate the position of said threader arm with successive adjacent levers.

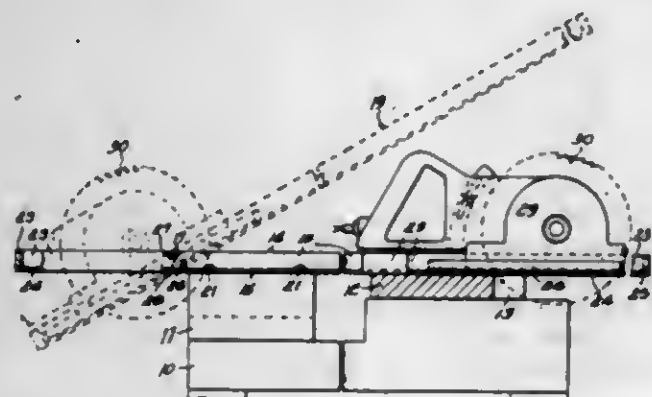
2,629,410

ELECTRIC POWER HANDSAW JIG

Edward Cadwell, University City, Mo.
Application September 15, 1950, Serial No. 184,919
2 Claims. (Cl. 143-47)

1. In a sawing device, a saw-horse, a supporting member supported at one end of ridge

bar of the saw-horse, a stop at the opposite end of the saw-horse adapted to guide a board placed on the opposite end of the saw-horse to be cut to length, a straight track structure adapted to support a portable power driven circular hand saw for back and forth movement thereon, means for pivotally supporting the track in advance of the front edge of the supporting member to provide a short length of



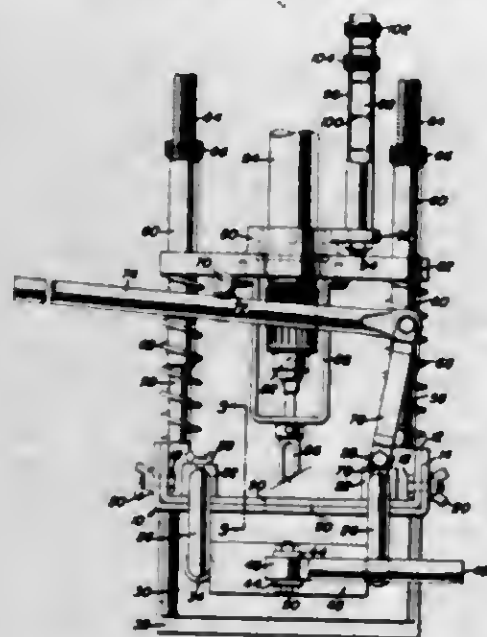
track in advance of the supporting member and a relatively longer length of track to overlie the supporting member and the work piece to be cut to length by means of the saw when moved to saw cutting position on the track above the work piece, and said track adapted to be moved to an inclined position by the weight of the saw when it is moved to a non-sawing position on the track in advance of the front edge of the supporting member.

2,629,411

CENTERING ATTACHMENT FOR MORTISING MACHINES

William H. Jones, Albuquerque, N. Mex., assignor of thirty-three per cent to W. Peter McAtee, Albuquerque, N. Mex.

Application November 13, 1950, Serial No. 195,383
5 Claims. (Cl. 144-84)



1. A centering device for mortising machines comprising a base member composed of first and second superimposed horizontal plates, means slidably adjustably connecting the plates, a flange depending from one plate, a horizontal guide slidably adjustably carried by the other plate, a clamping plate slidably carried by the guide and movable horizontally toward and away from said

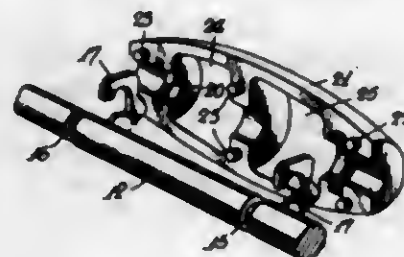
flange, posts fixed to and extending upwardly from said other plate, and a spring raised tool holder slidably carried by the posts and overlying the base member.

2,629,412

HANDLE CONSTRUCTION FOR BIT BRACES OR THE LIKE

William J. Cavanagh, Southington, Conn., assignor to The Peck, Stow & Wilcox Company, Southington, Conn., a corporation of Connecticut

Application December 18, 1947, Serial No. 792,397
2 Claims. (Cl. 145-61)



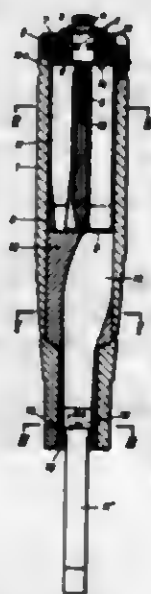
1. In a device of the character indicated, a rod having a pair of spaced apart circumferential grooves therein, washers in said grooves and in loose-fitting relation thereto, a handle member surrounding said rod and locked on and carried by said washers, said handle and locked on washers being freely rotatable with respect to said rod, all stresses between said rotatable unitary handle and washers and said rod during cranking thereof being taken by said washers rather than directly by said handle.

2,629,413

REGISTERING CHAMBER MAGAZINE HANDLE

Rudolf Stettler, St. Gallen, Switzerland
Application November 1, 1947, Serial No. 783,479
In Switzerland October 17, 1946

Section 1, Public Law 690, August 8, 1946
Patent expires October 17, 1966
2 Claims. (Cl. 145-63)



1. A magazine type hand tool, comprising, a hollow handle, a compartmented tool holder, said tool holder being rotatably mounted in said handle at one end thereof, an insert in said handle for retaining tools in said holder, a disc having a rectangular aperture, secured within the other end of said handle adjacent said insert for posi-

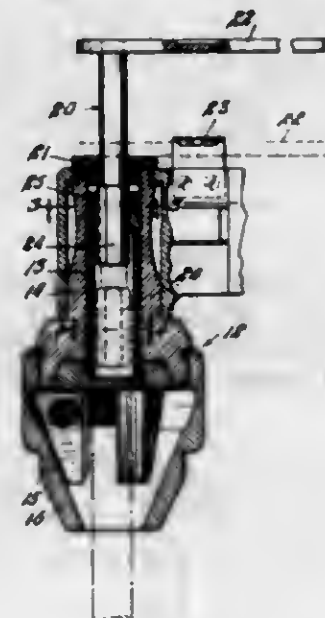
tioning a rectangular tool in working position, a duct arranged in axial direction in said insert for guiding a tool from said holder into said apertured disc, a bolt fixedly secured to said tool holder and extending from the end of said handle opposite said disc, said bolt being used for rotating said holder within said handle, spring pressed detent means for positioning said bolt, spring pressed locking means for engaging in said holder to prevent rotation thereof when a tool is absent therefrom, and second spring pressed locking means for locking a tool in its working position in said apertured disc, the selected tool being automatically fed into said apertured disc when the tool is directed downwardly and being automatically returned to said tool holder when the tool is directed upwardly and said second locking means is released, the tool upon its re-entry to said tool holder engaging said first mentioned locking means to disengage same from said holder and release said holder for rotation.

2,629,414

BIT BRACE HAVING A CHUCK WITH SLIDING ACTUATOR

Arthur M. Stoner and Girard S. Haviland, West Hartford, Conn., assignors to The Jacobs Manufacturing Company, West Hartford, Conn., a corporation of Connecticut

Application October 21, 1949, Serial No. 122,728
4 Claims. (Cl. 145-66)



1. A bit brace comprising a brace handle and a tool chuck having cooperating threaded sleeves for tightening it on a tool, a connection fixing the outer sleeve to the brace handle and leaving the inner sleeve free to turn, a plunger slidably mounted in the inner sleeve, a radial arm fixed on the upper end of the plunger and which lies close to the lower radial arm of the brace handle, in one position of the plunger, and interlocking means on the plunger and sleeve positioned to engage only when the plunger is in another position.

2,629,415

PIVOTED HANDLE TOOL

James M. Baker, Parkersburg, W. Va.
Application November 21, 1949, Serial No. 128,658
4 Claims. (Cl. 145-71)

1. A tool comprising an elongated handle, a sleeve pivotally mounted on one end of the handle, said handle having a socket therein, a shank

slidably mounted in the sleeve, means in the sleeve for urging either end of the shank in the

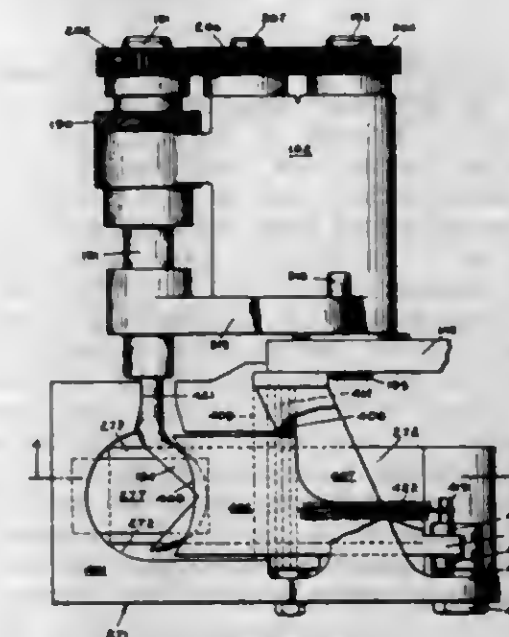


socket, and means for preventing relative rotation between said shank and said sleeve.

2,629,416

FRUIT PITTING MECHANISM

Paul E. Luther, Oakland, Calif., assignor, by mesne assignments, to Fruit Machinery Company, Berkeley, Calif., a corporation of Nevada
Application June 17, 1949, Serial No. 99,601
5 Claims. (Cl. 146-28)



1. In a device for pitting fruit and the like: a flat support, having an aperture therein, adapted to be engaged by the flat cut face of a fruit half having the pit half therein with said pit half exposed in said aperture; a pitting curved knife positioned to rotate through said aperture for removing said pit half from said fruit half; said support including a member defining a side of said aperture supported for movement substantially in the plane of said support toward and away from the opposite side of said aperture and into engagement with said knife during said rotation of said knife for restricting the size of said aperture to substantially the path defined by said knife; means, including said pitting knife and a spring for yieldably holding the aperture defining edge of said member in engagement with said knife; the portion of the support defining the

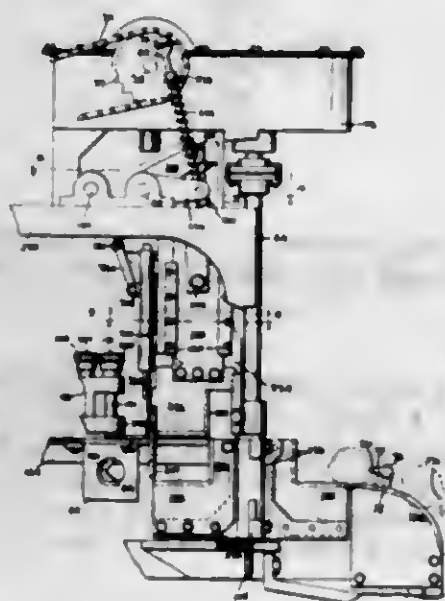
edge of said aperture opposite said member being of substantially the same contour as said knife and positioned for passage of said knife there past in close relation thereto prior to movement of said knife past said member, and the contour of said aperture defining edge of said member substantially corresponding to the contour of said knife, for causing said movement.

2,629,417

FRUIT SPLITTER AND PITTER

Theodore M. Harrer, Oakland, Calif., assignor to Fruit Machinery Company, a corporation of Nevada

Application October 13, 1947, Serial No. 779,594
8 Claims. (Cl. 146—28)



1. In a machine of the character described, a plurality of vertical disposed peach supporting blades each having a horizontally extending upper edge, means for positioning a peach on each of said blades with the pit substantially on said upper edge and with the suture of said peach coplanar with the blade, a vertically reciprocable vertically disposed splitting blade having a lower cutting edge, means for successively moving said peach supporting blades with a peach on each blade into a position below said splitting blade and coplanar with the latter, and means for reciprocally moving said splitting blade vertically in its plane substantially to and from each peach supporting blade upon the latter moving into said position in which it is coplanar with said splitting blade for splitting the peach supported on said peach supporting blade.

2,629,418

METHOD OF HULLING TUNG FRUIT AND THE LIKE

Horace L. Smith, Jr., and John G. Miller, Richmond, Va., assignors to Louisiana Tung Corporation, Covington, La., a corporation of Delaware

No Drawing. Application November 18, 1951,
Serial No. 258,842
10 Claims. (Cl. 146—220)

1. The method of treating tung fruits whereby to remove the outer integuments thereof from the seeds with substantially a minimum of damage to the latter, which method comprises subjecting the whole fruits to a relatively high vacuum whereby to de-aerate the outer hull structure; then treating the de-aerated whole fruits with an inert liquid at a higher pressure, whereby such

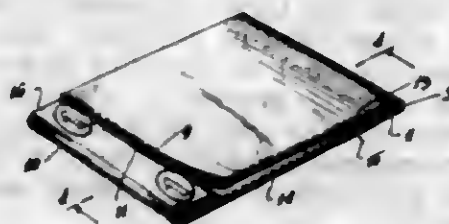
liquid will permeate and soften said hull structure; and then subjecting the whole fruits to forces acting to disintegrate the softened hull structure only and detach it from the seeds.

2,629,419

BILLFOLD

Ludolf Klein, Brooklyn, N. Y., assignor to Lesco Ltd., New York, N. Y., a corporation of New York

Application December 23, 1950, Serial No. 202,550
5 Claims. (Cl. 150—38)



1. A billfold of small and compact size from which bills may be removed individually and without the necessity of unfolding the billfold, consisting of a first side, a single transverse fold in said first side dividing said side into two substantially equal parts, a second side of length greater than said first side, a transverse fold in said second side dividing said side into two parts each of greater length than the said parts of the first side, a seam joining the two said sides at one end, a seam further joining the said sides along one longitudinal edge, said latter seam being discontinuous adjacent the said transverse folds, the said folds being so constructed that the billfold folds with the shorter of said sides inside the other of said sides.

2,629,420

TOY WHEEL AND METHOD OF MAKING

Mercer D. Walklet, Akron, Ohio

Application November 28, 1947, Serial No. 788,749
16 Claims. (Cl. 152—380)



16. A wheel structure comprising, on each side of a central plane normal to the wheel axis, a continuous structure comprising a central body portion, a cup-shaped flange simulating a wheel rim, an inwardly directed flange extending generally axially of the wheel, an upright portion extending generally radially of the wheel, and a

terminal flange extending axially outwardly of the said upright portion and curved generally in the direction of the wheel axis and having a peripheral edge adapted to be brought into close proximity to the said inwardly directed flange whereby to lock a looped inner periphery of a tire in place.

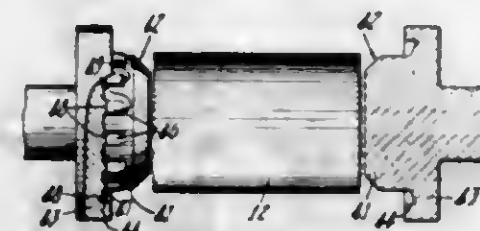
2,629,421

METHOD OF PRODUCING CONTAINER BODIES

William H. Ayres, Baltimore, Md., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Continuation of application Serial No. 681,791,
July 8, 1946. This application April 21, 1950,
Serial No. 157,345

4 Claims. (Cl. 153—7)



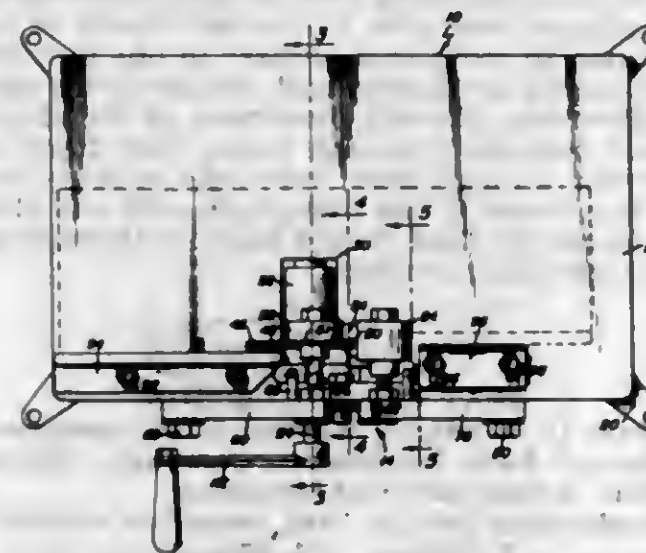
1. A method of producing a flanged can body having a continuous venting projection in both the flange and a contiguous section of the can body, which comprises providing an unflanged tubular can body, inserting into an end portion of said can body a flanging head having a shallow peripheral projection, without supporting the exterior of said end portion, thereby forming a shallow continuous venting projection in a marginal edge portion of said unflanged can body, which marginal edge portion is of greater width than the width of the ultimate flange, and flanging by means of said head a partial width of said marginal edge portion, to produce a continuous venting projection extending across said flange and along said unflanged body section.

2,629,422

INSULATION CUFFER

Reynold E. Erickson, Chico, Calif.

Application May 11, 1950, Serial No. 161,365
6 Claims. (Cl. 153—28)



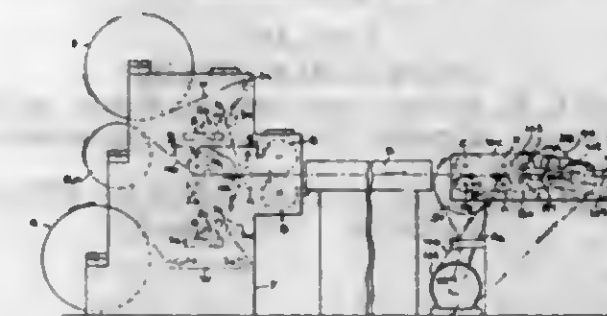
1. A folding machine comprising a support substantially vertically spaced, upper and lower feed rolls rotatably mounted on said support and having forward ends terminating in a common plane, one of said feed rolls having a bending

flange on the forward end thereof intersecting the path of rotation of the other of said feed rolls, substantially vertically aligned upper and lower pressing rolls rotatably mounted on said support, and spaced horizontally from said feed rolls, said pressing rolls being longitudinally offset from said feed rolls, the bending flange being disposed intermediate the ends of the pressing rolls, infolding means attached to said support, said infolding means comprising an elongated rail mounted on said support in front of the forward ends of said feed rolls and extending adjacent and parallel to the bending flange, said rail terminating short of said pressing rolls and including a twisted portion between the feed and pressing rolls intersecting the plane of the bending flange, guide means on said support being laterally offset from said elongated rail, the elongated rail being disposed between the guide means and the bending flange and the feed rolls being disposed between the guide means and the pressing rolls and driving means for said feed and pressing rolls.

2,629,423

MACHINE FOR FABRICATING LAMINATED SIGNATURES PROVIDED WITH SHEET METAL INSERTS

Donald B. Loeser, Milwaukee, Wis., assignor, by mesne assignments, to The Sorg Paper Company, Middletown, Ohio, a corporation of Ohio
Application December 9, 1949, Serial No. 131,972
9 Claims. (Cl. 154—1.6)



1. In a machine of the character described, the combination of a pair of continuously active feed rolls, means for continuously feeding webs of paper between said feed rolls, means for coating at least one of said webs of paper with an adhesive as it proceeds to said feed rolls for laminating said webs together on their passage between said feed rolls, means for continuously feeding a web of sheet metal to and between said webs of paper lengthwise thereof, means disposed between said metal web feeding means and said feed rolls for intermittently cutting said metal web as it is fed to said rolls into a series of sheet metal inserts to be embedded between said paper webs as said paper webs and inserts pass between said feed rolls, said sheet metal web feeding means operating at a slower speed than said feed rolls whereby said metal inserts are disposed in said laminated webs in lengthwise spaced relation.

2,629,424

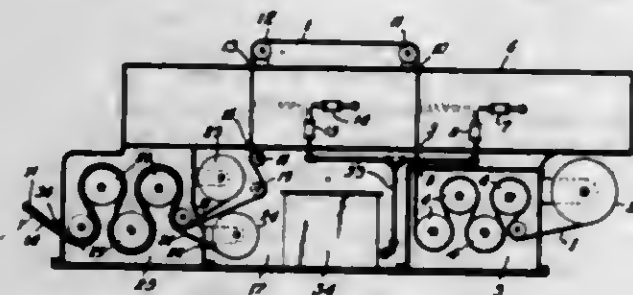
METHOD AND DEVICE FOR APPLYING RUBBER COATINGS TO FABRIC BANDS

Walter Stegemann, Hamburg-Harburg, Germany, assignor to Phoenix-Gummiwerke A. G., Hamburg-Harburg, Germany

Application September 25, 1950, Serial No. 188,508
2 Claims. (Cl. 154—37)

1. In a device for manufacturing a rubber coated fabric band, an elongated spray chamber,

means for continuously moving said fabric band through said spray chamber, means including spray nozzles in said spray chamber for applying a fine spray of an adherence promoting liquid to the surface of said moving fabric band, said spray nozzles issuing their spray all in one direction lengthwise of said spray chamber, a duct connecting both ends of said spray chamber with each other, a fan in said duct for circulating air through said duct and said spray chamber in the



direction in which the sprays are discharged from said nozzles, two supply spools for rubber layers arranged outside said spray chamber adjacent the point where the treated fabric band leaves the same, means for conducting the rubber layers in engagement with opposite sides of said treated fabric band, and means for pressing said rubber layers during the continuous movement of the fabric band in intimate contact with the latter to form a composite structure.

2,629,425

BERTHABLE CHAIR

Varnell L. R. James, near Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware

Application June 18, 1946, Serial No. 677,493
17 Claims. (Cl. 155-6)



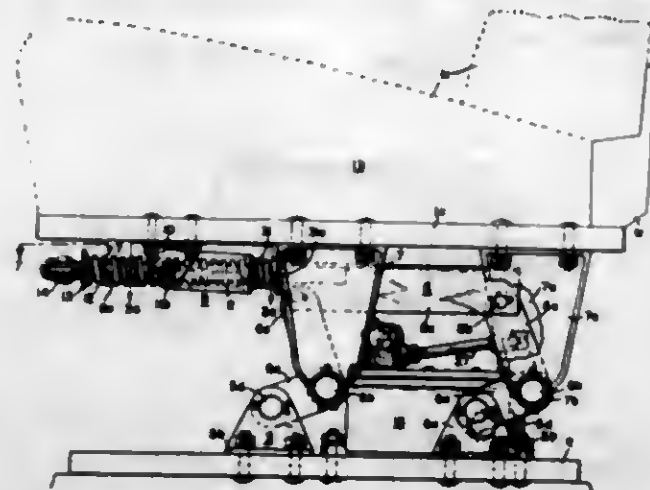
6. A chair comprising supporting means extending upwardly from the floor, a seat, and a separate back, a first pivot means pivotally connecting the rear edge of the seat and the lower edge of the back to the supporting means for tilting of the seat and back each conjointly with and also relative to the other, about a common fixedly located axis, an arm directed downwardly from and secured rigidly to the back, a seat-supporting link, a second pivot means pivotally connecting said link to said supporting means substantially at floor level, said link being inclined upwardly from said second pivot means toward the seat, a third pivot means interconnecting the upper end of said link to said seat at a location intermediate the seat's front and rear edges, said third pivot means incorporating lost-motion means for limited shifting of the link's upper end in a general back and forth direction relative to the seat as the link swings about said second pivot means, a back-supporting link pivotally connected at its respective ends to said downwardly directed arm and to the shiftable upper end of said seat-supporting link at the third pivot means, whereby shifting of the seat-supporting

link's upper end effects tilting of the back, and, conjointly therewith, tilting of the seat by the consequent swinging of the seat-supporting link, thereby to govern the relative tilting of the back and the seat.

2,629,426

SEAT MOUNTING

Paul E. Hawkins, Lakewood, Ohio, assignor, by means assignments, to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application September 29, 1945, Serial No. 619,328
8 Claims. (Cl. 155-9)



1. In a seating structure, the combination with a frame and a seat, of a mounting connecting said frame and seat and comprising a pair of registering levers, pivotal connections between corresponding ends of said levers and said frame, front and rear pairs of spaced hangers fixed to and depending from said seat, each pair of hangers being pivotally mounted on one of said levers, means for cushioning the relative movement between said frame and seat, one toward the other, said cushioning means being connected to said levers and said seat, and separate means controlled by relative movement between said frame and seat, one toward the other, for retarding the relative movement in the opposite direction, said retarding means including a reservoir for liquid, a cylinder having a valved inlet leading from said reservoir, and a valved outlet leading into said reservoir, a plunger slidably fitting said cylinder, connections between a lever of said mounting and said plunger operable during movement of said mounting to move said plunger in one direction, and a spring for moving said plunger in the opposite direction, whereby movement of the plunger in said opposite direction draws fluid from said reservoir through said inlet into said cylinder and movement of the plunger in said one direction forces the fluid in said cylinder through said outlet into said reservoir.

2,629,427

SEAT CONSTRUCTION

Brouwer D. McIntyre, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application July 24, 1946, Serial No. 686,030
2 Claims. (Cl. 155-9)

1. A seat assembly comprising a seat member, means supporting the seat member in an elevated position with respect to a fixed support and for movement in a generally vertical direction relative to the fixed support, said means including a pair of shafts extending transversely of the

seat in parallel relationship and fixed against rotation, circumferentially spaced vanes projecting radially outwardly from and rigid with opposite ends of the shafts, sleeves respectively receiving opposite end portions of the shafts and having vanes extending inwardly between the vanes of the shafts, a pair of arms respectively rigid with the sleeves at opposite ends of one shaft and having their free ends freely pivotally connected to the seat for pivotal movement about a common axis, a second pair of arms respectively rigid with the sleeves at opposite ends of the other shaft and having their free ends connected

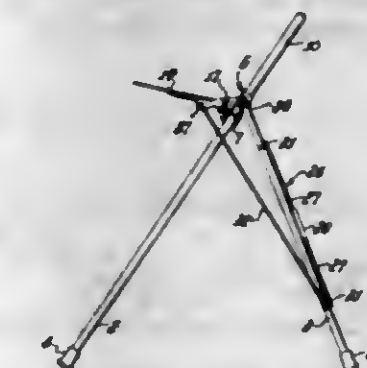
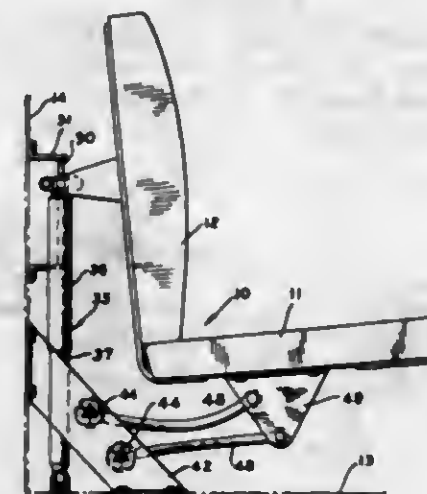
a hollow trunnion projecting from both sides of one of the seat or back, and a trunnion coaxial with each hollow trunnion and projecting from both sides of the other, all for journaling upon the frame, individual power-driven means reacting between the frame and the respective trunnions, and selectively energizable for oscillating the latter for tilting of the seat or back, each independently of the other, and a hollow side arm at each side, carried by and tiltable with one of the seat and back, and housing the trunnions and the power-driven means, and slotted for passage of frame members.

2,629,429

FOLDING TRIPOD SEAT

Joseph R. Baumfeld and Jack Lebovitz, Los Angeles, and William F. Homrighausen, Monterey Park, Calif.

Application June 19, 1950, Serial No. 168,938
6 Claims. (Cl. 155-142)



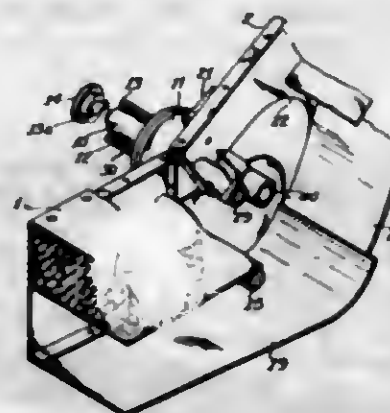
to the seat for pivotal movement about a common axis spaced from and parallel to the axis of the pivotal movement of said first arms, resilient members disposed between said sleeves and shaft ends, each of said resilient members having recesses therein in which the vanes of said sleeves and shaft ends are received so as to prevent relative shifting of each bushing with respect to said vanes, said bushings constituting the primary resilient supporting means for the seat and being yieldable to permit limited vertical movement of the seat, said vanes on said shafts engaging surfaces on said fixed support to prevent rotation of said shafts relative to said supports.

1. In a folding seat structure: a plate structure; a seat pivotally mounted on the plate structure; a pair of side legs disposed respectively on opposite sides of the seat, and pivotally mounted on the plate structure, the pivotal axes of the legs being divergent toward the front of the seat; said seat having a rear projection providing a surface abutting the plate structure when the seat is extended; collapsible cross braces connecting the legs; and an intermediate leg mounted on the plate.

2,629,428

LOUNGE CHAIR

Frank J. Luketa, Seattle, Wash.
Application July 11, 1949, Serial No. 103,987
11 Claims. (Cl. 155-105)

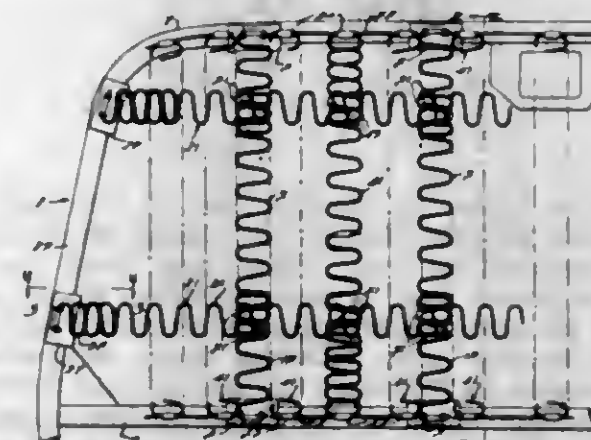


1. A chair comprising a cushioned seat, a cushioned back, a frame, means pivotally supporting each of the seat and back from the frame for tilting about a transverse axis substantially coinciding with the rear edge of the seat cushion's upper surface and the lower edge of the back cushion's forward surface, said means including

2,629,430

ZIGZAG SPRING CUSHION CONSTRUCTION HAVING A BASE AND TOP LAYER OF SPRINGS

Hyland C. Flint, Birmingham, Mich., assignor to American Metal Products Company, Detroit, Mich., a corporation of Michigan
Application September 1, 1949, Serial No. 113,546
15 Claims. (Cl. 155-179)



2. In a cushion construction, the combination of a frame, a plurality of parallel sinuous spring

strips having end portions secured to the frame, said strips in combination providing a first resilient surface, a sinuous spring strip extending transversely to the parallel strips, means connecting intermediate portions of the transverse strip to intermediate portions of the parallel strips to substantially prevent sidewise movement of the latter, and another plurality of parallel sinuous spring strips having end portions secured to the transverse strip whereby the strips are resiliently mounted on the frame through the medium of the transverse strip and the first plurality of strips, said second plurality of spring strips providing a second resilient surface spaced from the first.

2,629,431

SPRING SUPPORTING STRIP HAVING A TOP SEATING PORTION SPACED ABOVE A BOTTOM REINFORCING PORTION

Hyland C. Flint, Birmingham, Mich., assignor to American Metal Products Company, Detroit, Mich., a corporation of Michigan
Application March 29, 1950, Serial No. 152,727
13 Claims. (Cl. 155-179)

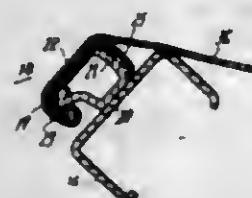


1. A zigzag spring unit comprising an upper zigzag spring having a web portion and end portions bent beneath the web portion, a lower zigzag spring beneath the upper having a web portion lying substantially entirely in the area of projection of the upper web, means rigidly connecting the lower spring to the end portions of the upper so that the webs are spaced, and spring portions for attachment to a frame beneath the lower web integral with at least one of the springs.

2,629,432

FASTENING DEVICE

William Otto Hanslick, Overland, Mo., assignor to Ashby Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application September 28, 1950, Serial No. 187,220
10 Claims. (Cl. 155-187)



10. In a fastening device that is adapted to secure the flexible seat of a folding chair to a frame element of said chair and that has a female element and a male element which are capable of being assembled to clamp a portion of said flexible seat between them but which are separable to free said portion of said flexible seat, the improvement which comprises sharply curved portions at corresponding edges of said male and female elements to clamp a portion of said flexible seat between them, and pressure-applying portions at the opposite edges of said

male and female elements, said corresponding edges of said male and female elements being disposed adjacent the outer edge of said frame element of said chair and being adapted to direct said portion of said flexible seat downwardly and outwardly of said chair, whereby said flexible seat can be folded upwardly and inwardly over the sharply curved portion of said female element so that pressure applied to said flexible seat can urge said female element into tighter engagement with said male element and said portion of said flexible seat.

2,629,433

PAINT BURNING AND SCRAPING DEVICE

William T. Scholl, Evansville, Ind.
Application June 23, 1950, Serial No. 169,948
10 Claims. (Cl. 158-13.6)

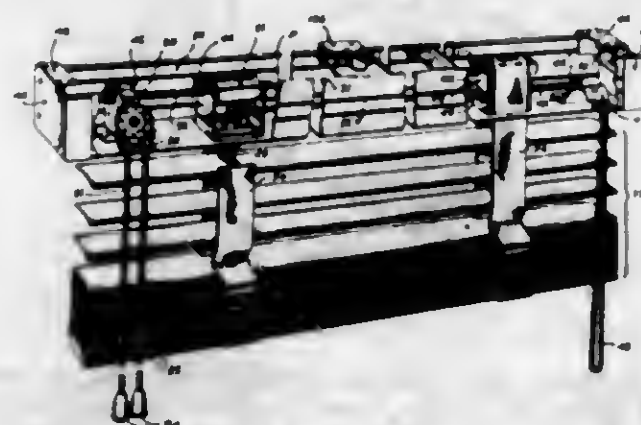


4. A burning and scraping tool comprising a body having a plurality of depending scraper blades and a plurality of depending projections providing burner nozzles intermediate certain of said scraper blades, said body having transverse dovetail grooves adjacent its forward and rearward edges, said scraper blades having one end portion which is disposed at an obtuse angle thereto and provided with a tongue adapted to engage in said grooves, securing means for retaining said tongues in said grooves, a handle extending downwardly and rearwardly from said body, said body having a passage therein and a conduit extending rearwardly therefrom above said handle for supplying fuel to said burner nozzles.

2,629,434

VENETIAN BLIND SUPPORTING AND ACTUATING STRUCTURE

Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y., a corporation of New York
Application October 4, 1947, Serial No. 778,002
11 Claims. (Cl. 160-177)



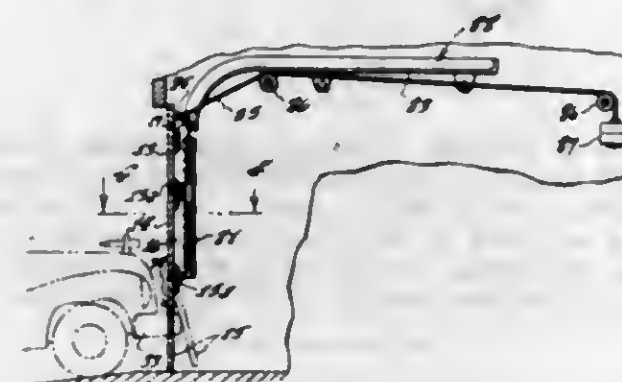
1. In a Venetian blind head bar organization, a channel-shaped head bar having open, inwardly-turned rounded marginal longitudinal beads and

an intermediary brace comprising a sheet metal stamping having a rigid intermediary portion extending between opposite exterior surfaces of the beads and terminating in ends contacting said beads, and having resilient terminal portions extending within the beads and terminating in portions extending chordally within the beads, the resilient terminal portions pressing the beads against the ends of the intermediary portion.

2,629,435

BUMPER-OPERATED GARAGE DOOR

William R. Dadswell, Staten Island, N. Y.
Application May 16, 1952, Serial No. 288,141
5 Claims. (Cl. 160-190)

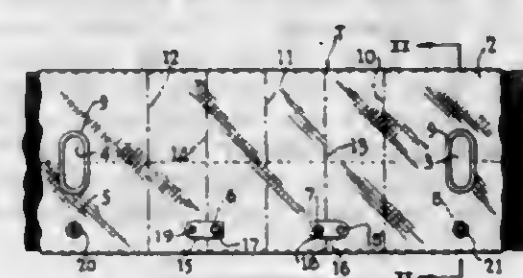


3. In combination with a structure having a doorway and a door provided with means for normally sliding said door upward to open the doorway, said door comprising at least two mutually hinged horizontal panels, a deformed upward projection in the floor of the doorway, a complementarily deformed spring clip adapted to engage said projection mounted on the lowermost of said panels, said door being adapted to be lowered manually to closed position with said lowermost panel in swung back position to position said clip rearward of said projection, said lowermost panel being swung forward into the plane of the doorway to engage said clip with said projection to releasably lock the door in closed position, whence upon pushing back said lowermost panel to disengage said clip from said projection said door is released to permit said means to raise the same to open the doorway.

2,629,436

PLEATING TAPE FOR DRAPERIES

Alexander McDonald Hess, New York, N. Y.
Application July 22, 1948, Serial No. 40,061
1 Claim. (Cl. 160-348)

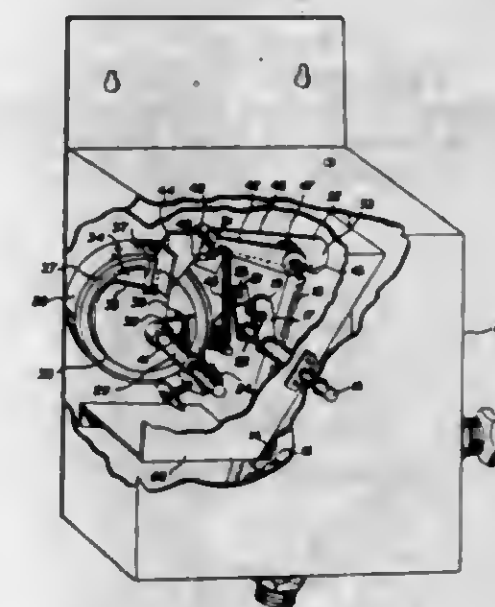


A pleating tape formed of a relatively stiff core material, a finish covering thereon and metal eyelets in pairs passing through both and securing both together, said eyelets of each pair being spaced apart a distance sufficient to leave material therebetween sufficient to form a plurality of pleats in a material to which the tape is attached, a fastener receptacle in line with the axis

2,629,437

VALVE TIMER

Harold J. Weeks, Dayton, Ohio
Application March 23, 1950, Serial No. 151,330
13 Claims. (Cl. 161-7)

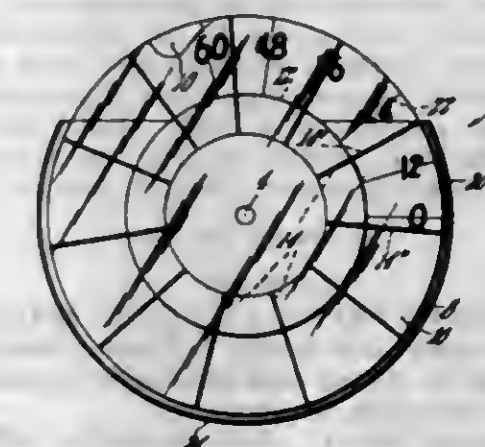


1. A valve timer, including a valve actuating arm, actuating means for said arm, a normally ineffective latch for holding said arm in actuated position, tension means for rendering said latch effective, a timing mechanism, means for setting said timing mechanism, and means operable by said last named means for activating said tension means and operable by said timing mechanism to release said tension means.

2,629,438

PARKING METER

Charles H. Martin, Springfield, Mass.
Application June 13, 1951, Serial No. 231,370
5 Claims. (Cl. 161-15)



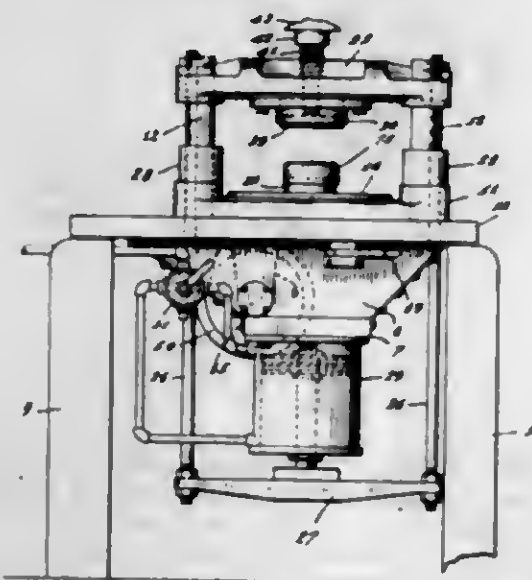
1. Parking meter apparatus having dual time indicating means on opposite sides which are visible from said sides comprising in combination, clock mechanism and inner vertically disposed plates secured to opposite sides thereof, said

clock mechanism having a rotatable shaft provided with end portions extending on a horizontal axis from opposite sides thereof through said inner plates, inner transparent discs adjacent and secured to said inner plates, rotors outwardly of said inner discs each including secured together hubs frictionally engaging said end portions of said shafts and outer transparent discs on outer ends of said hubs and circumferentially spaced radially extending vanes, said rotors cooperating with said inner discs to provide a series of coin pockets, and upper portions of said inner discs provided with time designations, upper edges of said plates being disposed below the planes of upper edges of said inner and outer discs whereby said time designations are exposed to view from opposite sides of the apparatus.

2,629,439

TRIMMING MACHINE

William O. Hartup, Columbus, Ind.

Application January 28, 1949, Serial No. 73,326
11 Claims. (Cl. 164-47)

1. In a trimming machine having a die carrier translatable through a cycle of shearing movements and providing inwardly presented guiding thrust faces, the combination of a central operating shaft perpendicular to the plane of die movement, a cam head on said shaft within the area defined by said thrust faces, guiding thrust members mounted for radial movement between said cam head and said thrust faces, a renewable cam segment removably mounted in said cam head and adapted to engage said guiding thrust members in circumferential succession, a cam relief to permit retraction of an opposite thrust member, cam surfaces between said cam segment and cam relief to position other thrust members in guiding engagement with their associated thrust faces, and means to drive said shaft and cam head through one-revolution cycles.

2,629,440

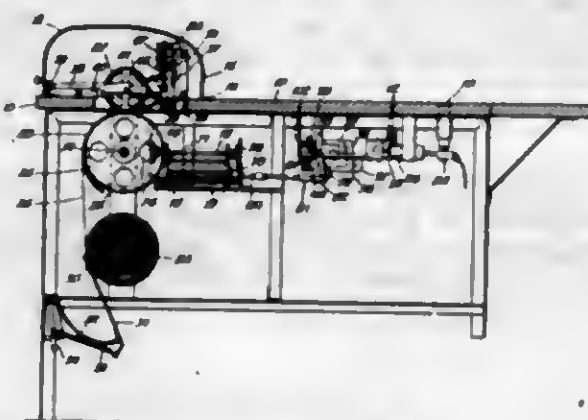
AUTOMATIC PAPER-CUTTING MACHINE

James M. Shaw and Leslie I. Faus, Chicago, Ill., assignors, by direct and mesne assignments, to Harry Rosenthal, Chicago, Ill.

Application July 11, 1946, Serial No. 682,800
20 Claims. (Cl. 164-49)

1. An automatic paper cutting machine including means for receiving a roll of paper, means for feeding paper from said roll, timing means including a portion driven by said feeding means and adapted to be set to cause said feeding means

to feed the desired amount of paper, said timing means being capable of being preset to a plurality of positions, means for cutting off the paper fed by said feeding means, and a control system including a plurality of push buttons each of

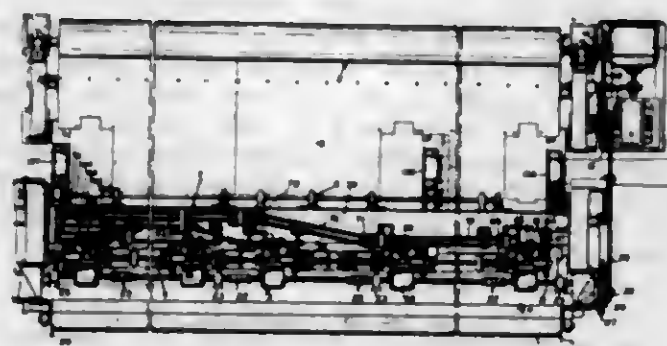


which is adapted to cause said timing means to be set to one of said positions and to initiate operation of said feeding means, said timing means being adapted to stop said feeding means and to cause operation of said paper cutting means when the desired amount of paper has been fed.

2,629,441

MEANS FOR ENGAGING AND DISENGAGING ROTARY CUTTERS

Herbert H. Eager, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application May 25, 1948, Serial No. 29,076
12 Claims. (Cl. 164-61)

1. In a trimming machine, the combination of a plurality of pairs of rotatable cutters shiftable laterally along their axes of rotation, each pair including an upper cutter and a complementary lower cutter, and means for selectively shifting said pairs of cutters laterally in complementary pairs and in unison comprising a rotatable operating shaft, independently rotatable traversing means for each pair of shiftable cutters, a selector shaft, and means carried by said selector shaft for selectively connecting said operating shaft and said independently rotatable traversing means for coincidental rotation to actuate said independently rotatable traversing means of the selected pair of cutters.

2,629,442

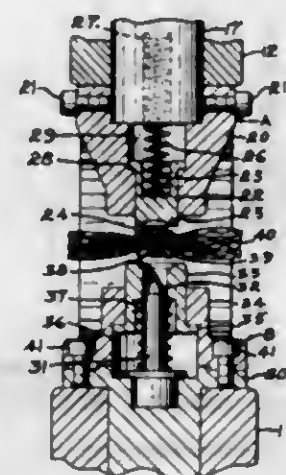
TOOL FOR REMOVING RIVETS AND BURRS

Lewis J. Velleux, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application November 25, 1949, Serial No. 129,353
2 Claims. (Cl. 164-96)

1. A tool for removing a rivet tack and burr setting from a garment support, said tool com-

prising a punch unit and a die unit adapted to be mounted in a press so that one unit can be moved toward the other unit, said die unit comprising a die housing and a die retractable within said housing against the influence of a spring member, said die having a work face for receiving the head of the rivet tack, said punch unit comprising an anvil in vertical alignment with said die housing, a pointed punch and a sleeve surrounding said punch and axially slidable within said anvil, spring means normally urging said sleeve outwardly to a position where its outer end is extended beyond the adjacent face of said anvil and the pointed end of said

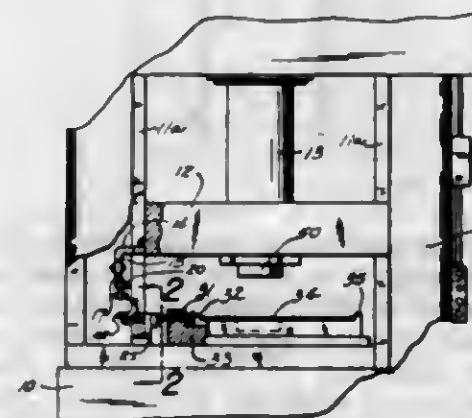


punch, said punch being held rigid in said anvil with a portion of its pointed end extended above the upper face of said sleeve housing, and said sleeve having a recess for receiving said burr for holding it in alignment with said punch, whereby when one of said units is moved toward the other unit said sleeve will recede within said anvil to a position where its upper face will lie substantially flush with said housing and the extended pointed end of said punch above said housing will pierce said burr and separate said tack from said burr sufficiently to permit said burr and tack to be removed from opposite sides of the garment support upon removal of the latter from the tool.

2,629,443

PUNCH PRESS GAUGE ACTUATOR

Ettore Girardello, Detroit, Mich.

Application May 20, 1947, Serial No. 749,310
2 Claims. (Cl. 164-110)

1. A punch press gauge actuator adapted for use with a punch press having a reciprocating ram, a head carried by and movable in unison with said ram, a punch carried by said head, a die-supporting bed and a die mounted on said bed for cooperating with said punch and adapted

for supporting a work piece to be operated upon, comprising: a stationary work piece abutment projecting upwardly at one side of said die for engaging one side of the work piece to be operated upon; a movable gauge bar at the opposite side of said die and movable into engagement and out of engagement with the opposite side of said work piece; an arm mounted on said head and projecting outwardly therefrom and thence downwardly thereof; an extension adjustably mounted on said arm, said extension having an angularly turned portion extending substantially parallel to said bed; a striker mounted on said angularly turned portion of said extension and movable inwardly and outwardly thereof; securing means for securing said striker in fixed relation to said angularly turned portion of said extension; a supporting standard on said bed projecting upwardly therefrom; a rockable member rockably mounted on said supporting standard; a plurality of circumferentially spaced, outwardly projecting fingers on said rockable member; a bar slidably mounted on said standard and movable inwardly and outwardly of the opposite side of said die; rods connecting said bar to said gauge for moving said gauge in unison with said bar, one of said fingers being in the path of movement of said striker and engageable therewith, upon movement of said head into approach relatively to said die, for rocking said rockable member in one direction, another of said fingers upon said rocking movement, effecting a movement of said bar toward said die and a movement of said gauge bar into engagement with the opposite side of said work piece, and a third finger on said rockable member engageable with said striker, upon withdrawal of said head from said die, for rocking said rockable member in the opposite direction.

2,629,444

DEVICE FOR USE WITH OPEN HOLE TESTERS IN WELLS

Roland Earl O'Donnell, Dallas, Tex.

Application November 10, 1950, Serial No. 195,103
4 Claims. (Cl. 166-1)

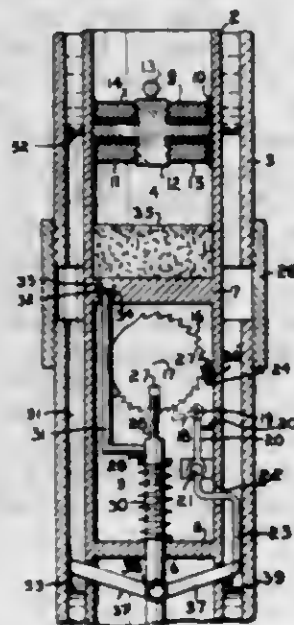
1. An anchor device for use with a drill stem tester in oil wells or the like, comprising, in combination, an anchor pipe having perforations therein, a tubular cylinder mounted for sliding movement on the lower end of said anchor pipe,

a piston within the cylinder and connected to the anchor pipe, a travelling valve mounted on said anchor pipe, a standing valve mounted in said cylinder beneath said travelling valve and a shoe on said cylinder having jet ports therein, whereby when the anchor pipe is moved up and down with respect to the cylinder fluid is circulated, from a point above the cylinder through the perforations in the anchor pipe, down through the cylinder and jetted through said shoe to remove cuttings or the like from the portion of the well beneath the cylinder.

2,629,445

PIPE SEVERING METHOD AND APPARATUS

Glenn A. Dill, El Dorado, Ark., assignor to John C. Kinley, Houston, Tex.
Application November 23, 1946, Serial No. 711,901
12 Claims. (Cl. 166-1)



1. In a device for generating and applying heat to effect separation at a predetermined level about the periphery of a tubular string stuck in a well the combination of, a container adapted to be lowered into the well, said container having a chamber therein to receive a quantity of heat generating material, means to anchor said container in the well at the predetermined level, and means operable by said anchor means for initiating reaction of the material whereby the string is heated about its periphery at such level.

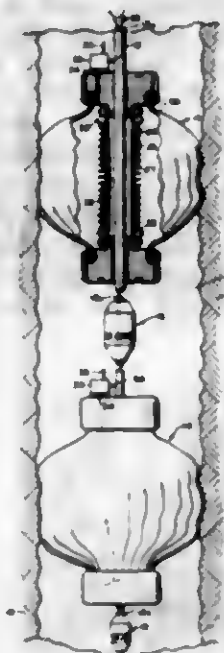
2,629,446

DRILLING HOLE PACKER

Norman N. Freling and Harold L. Edwards, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application November 14, 1949, Serial No. 126,995
4 Claims. (Cl. 166-11)

1. A packing device for sealing off a section of a drill hole comprising, in combination, a tubing adapted to be positioned in a drill hole, a resilient member surrounding and attached at its upper end to said tubing and its lower end free to move with respect to said tubing, a second resilient member within said first mentioned resilient member and surrounding and attached at its upper end to said tubing and its lower end attached to the movable lower end of said first mentioned resilient member, a compression spring disposed around said tubing and between said resilient members and operatively attached to

said resilient members to maintain the top and the bottom ends thereof separated by a maximum

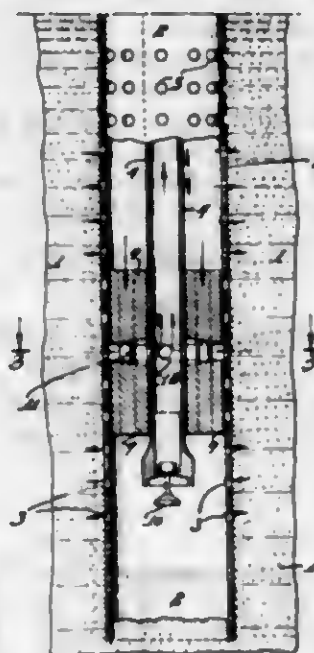


distance, and means for introducing fluid to the space between said sealing members.

2,629,447

METHOD FOR EFFECTING AND CONTROLLING THE RECHARGE OF UNDERGROUND FORMATIONS BY SPECIAL WELLS

Ross Nebolsine, New York, N. Y.
Application December 15, 1949, Serial No. 133,174
1 Claim. (Cl. 166-23)



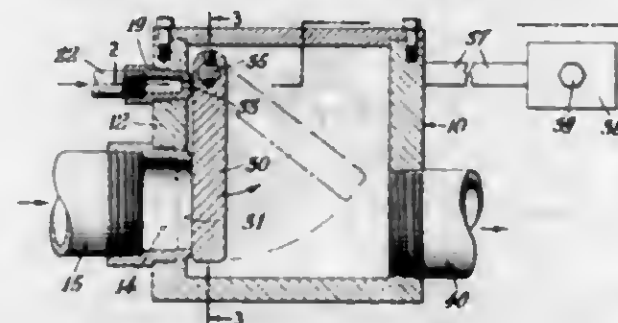
A method of operating recharging wells of that character having a cased upper section and also a lower section in fluid communication with permeable underground formation, which consists in partially blocking off from within the well a selected section of exposed surface of fluid bearing formation by means of a reverse flow head and withdrawing fluid from said underground formation through unblocked openings opposite the head thence therein and through ports in a conduit carrying said head, and conducting the flow upwards, and discharging the flow at the top of the well, these operations being conducted simultaneously with the feeding of a proportionately larger volume of fluid into the permeable

underground formations above and below the head through openings which are in contact with the permeable underground formation, said upward flow being achieved by producing a differential hydrostatic pressure between the fluid in the adjacent underground formation, both above and below said blocked area and the interior of the cleaning head and of the attached conduit, the latter extending to the top of the well, and periodically and automatically creating this differential pressure within the said cleaning head and conduit for effecting reverse flow concentrically towards the cleaning head and up through the conduit to the top of the well.

2,629,448

LIQUID PROPORTIONER

James Joseph Duggan, Charleston, W. Va., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application December 20, 1950, Serial No. 201,854
4 Claims. (Cl. 169-14)



4. In a fire-fighting system, a device for proportioning the hydraulic flow of a chemical solution to the hydraulic flow of a control stream of water, which comprises a water nozzle, means for supplying the control stream of water to said water nozzle at a predetermined hydraulic pressure, a smaller chemical solution nozzle, means for supplying the chemical solution to said smaller nozzle at a predetermined hydraulic pressure, a movable closure for said control stream water nozzle pivoted on an axis eccentric to its nozzle, means for exerting an opposing mechanical pressure on said closure whereby the same swings about its axis away from said nozzle in response to the differential between said mechanical and hydraulic pressures, a discharge conduit for the mixed chemical solution and water having a hydraulic control valve for determining the rate of hydraulic flow through said discharge conduit, whereby said closure swings through an angle proportional to said rate of hydraulic flow, and a closure for said smaller chemical solution nozzle rigidly connected to said control stream water nozzle closure and pivoted about the same axis, whereby the smaller chemical solution nozzle closure swings through the same angle proportional to said rate of hydraulic flow through said mixed chemical solution and water discharge conduit.

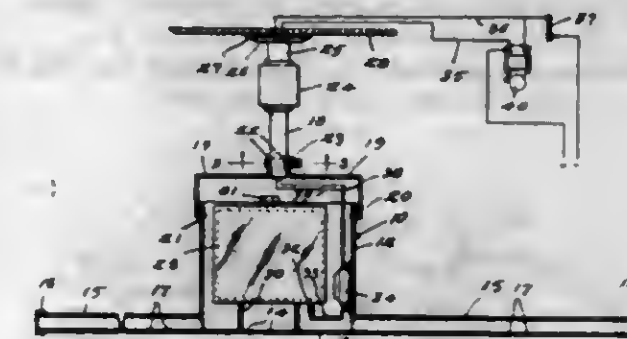
2,629,449

FIRE ALARM AND EXTINGUISHER

Goodman Gaffn, Bangor, Maine
Application May 14, 1951, Serial No. 226,137
3 Claims. (Cl. 169-29)

1. In combination a fire alarm and fire extinguisher comprising a source of electrical energy, a thermostatic switch, an audible alarm circuit electrically connected with said source through said switch, a receptacle, means rotatably sus-

pending said receptacle, electric motor means connected with said receptacle and operable by said switch for rotating said receptacle when said switch is closed, a frangible container in said receptacle, means in said receptacle elec-

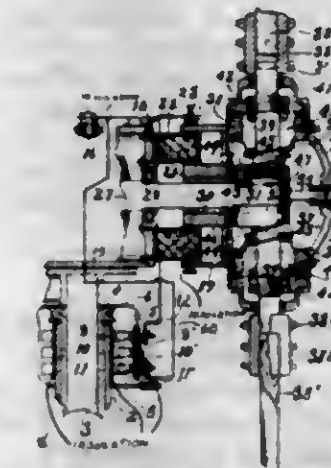


trically connected with said switch and engageable with said container for breaking said container, and a pair of oppositely disposed apertured liquid distributing members carried by said receptacle.

2,629,450

WIND MOTOR WITH RADIALLY PIVOTED BLADES

Charles Fumagalli, Guatemala City, Guatemala
Application December 16, 1946, Serial No. 716,588
13 Claims. (Cl. 170-62)



1. A variable propeller comprising a stationary rear casing section, a rotary shaft journaled in and extending outwardly at one end beyond said rear casing section, a movable front casing enclosing the outwardly extending end of the shaft and section forming a hub rotatably connected with and slidable longitudinally on said outwardly extending end of the shaft, said front casing section having an open front portion and a detachable cover plate closing the same, blades mounted on the hub section for rotation therewith and adjustment about their axes to different pitch angles, interengaging gear connections enclosed within the hub section between the blades and shaft for adjusting the blades when the hub slides longitudinally, the hub and blades being slidable on the shaft toward the stationary rear casing section in response to wind thrusts acting on said hub and blades, a rotatable adjusting device carried by the cover plate in axial alignment with the shaft, a spring interposed between the same and the forward end of the shaft for yieldingly resisting the wind speed adjustments of the hub section, said adjusting device being adjustably mounted on the hub section and extending outwardly therefrom and arranged to bear on the spring for regulating the resistance of the spring and adjusting the hub section to vary the pitch angle of the

blades, and means on the outer end of said adjusting device whereby it may be rotated for adjustment and fixed in adjusted position to the cover plate.

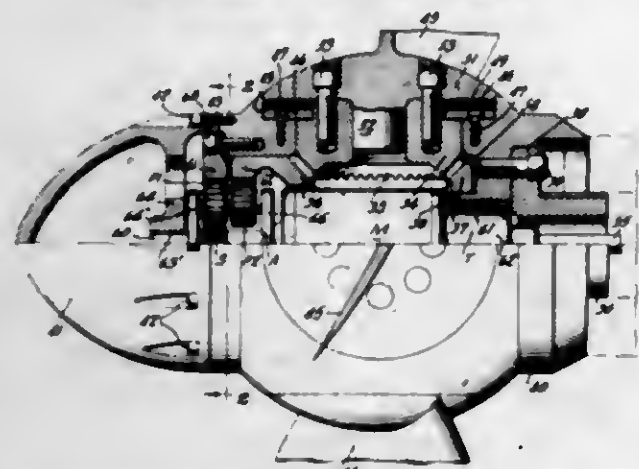
2,629,451

CONTROLLABLE PITCH PROPELLER

Harry J. Nichols, New York, N. Y.

Application December 17, 1945, Serial No. 635,509

10 Claims. (Cl. 170—160.3)



7. A controllable reversible pitch marine propeller combining a hollow hub member for mounting on a propeller shaft; a hub cap fastened tightly to the outboard end of said hub member; blades swiveled for axial rotation in said hub member; bevel gearing for rotating said blades axially enclosed entirely within said hub member; a motor fixed centrally within said hub member; and torque increasing differential planetary gearing mounted partly in said hub member and partly in said hub cap, said planetary gearing having a driven connection to said motor and a driving connection to said bevel gearing.

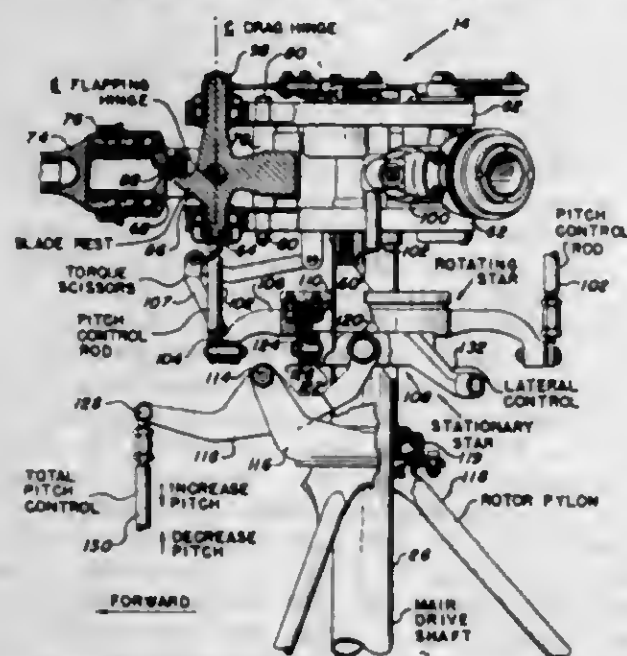
2,629,452

HELICOPTER ROTOR CYCLIC PITCH CONTROL

Ralph P. Alex, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 20, 1947, Serial No. 749,256

1 Claim. (Cl. 170—160.25)



In rotary wing aircraft, a rotor drive shaft, a hub on said shaft, a drag pivot having its axis offset from the axis of said shaft, a flapping pivot having its axis intersecting the axis of said drag pivot, a stub shaft pivotally mounted on said flapping pivot having its longitudinal axis per-

pendicular to the axis of the latter, a blade journaled on said stub shaft for blade pitch changing movements about the longitudinal axis of the latter, and means for controlling said blade pitch including a swashplate, a pitch control horn on said blade having its extended end terminating substantially on the axis of said flapping pivot, and an external link extended from said swashplate to said horn and journaled on the latter near the extended axis of said flapping hinge in all positions of the blade around said drag pivot, the axis of said flapping pivot being always at right angles to the blade feathering axis and said flapping pivot carrying with it the blade pitch control horn for all lead-lag positions of the blade with respect to the drive shaft.

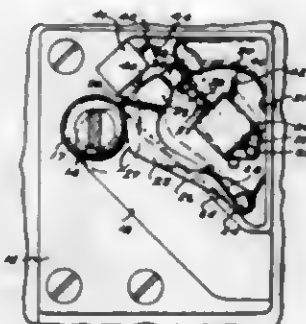
2,629,453

AUTOMOTIVE VEHICLE DOOR CONTROL

Burnie J. Craig, Los Angeles County, Calif.

Application July 29, 1949, Serial No. 107,437

4 Claims. (Cl. 180—82)



1. In an automotive vehicle construction, a door movable to open and closed positions, a bolt on the door, a strike, means to pivotally mount the bolt on the door for movement across the strike to and from engaged position, a check pivotally mounted on the strike, said check having cam faces thereon, one of said cam faces being engageable by the bolt as the latter moves to engaged position, the other cam face being engageable by the bolt as the latter moves to disengaged position, spring means carried by said strike and spaced from said check, movably mounted bumper means interposed between said check and spring, and means normally holding the bumper means between the check and spring while the vehicle speed is greater than a certain predetermined rate.

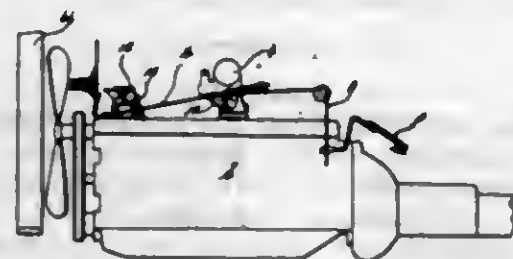
2,629,454

OVERDRIVE KICKDOWN CONTROL MEANS

Nils Erik Wahlberg, Chicago, Ill., and Joseph F. Sladky, Plymouth, Mich., assignors to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland

Application October 21, 1946, Serial No. 704,718

6 Claims. (Cl. 180—82.1)



6. In a motor vehicle, a switch, an arm associated with the switch and movable in one di-

rection to open the switch and in another direction to close the switch, a manually controlled linkage connected to said arm, a bracket, a wind plate mounted on the bracket, said wind plate being movable relative to the bracket and into the path of movement of the switch arm under the influence of moving air striking said plate, whereby whenever the vehicle speed reaches a predetermined rate said wind plate is moved into the path of movement of the switch arm and into engagement with the switch arm so as to prevent movement of the switch arm in one of its normal directions of movement, and a resilient member normally urging the wind plate into a position out of the path of movement of the switch arm, whenever the speed of the vehicle is below a predetermined rate.

2,629,455

EXHAUST MUFFLER WITH FLUID MINGLING

Walton W. Cushman, Webb City, Mo.

Application October 21, 1948, Serial No. 55,743

5 Claims. (Cl. 181—43)

(Granted under Title 35, U. S. Code (1952), sec. 266)



4. An attachment for a muffler, comprising a hollow, substantially frusto-conical sleeve provided with a longitudinal slot in its side, walls extending inwardly of the slot, and a flap valve mounted in the slot between the inwardly-extending walls.

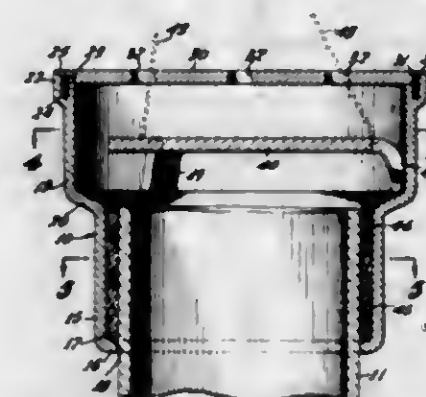
2,629,456

VENT CAP

John Dick, Fresno, Calif.

Application May 28, 1949, Serial No. 96,013

3 Claims. (Cl. 182—31)



1. A vent cap assembly adapted to fit over the end of a riser pipe in a sewer system comprising a generally inverted bell-shaped housing having a downwardly extended cylindrical end of substantially larger diameter than the riser pipe and being formed with an inwardly turned flange at the lower edge thereof thereby defining an annular chamber between said riser pipe and said cylindrical portion adapted to receive packing for securing said vent cap to said riser pipe, said bell-shaped housing having a generally cylindrical upper section of substantially larger diameter than said lower cylindrical section, a substantially frusto-conical section interconnecting said upper and lower cylindrical portions, said

887 O. G.—61

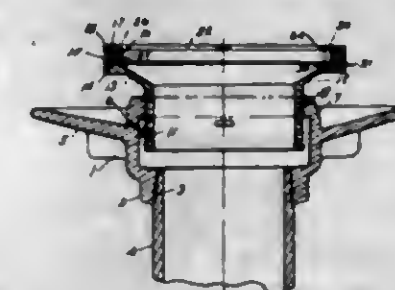
2,629,457

SURFACE DRAIN

Albert A. Baker, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application June 17, 1950, Serial No. 168,689

6 Claims. (Cl. 182—31)



1. A surface drain comprising a body member having a depending portion for connection to the end of a pipe and an inner annular threaded portion, a flanged sleeve having a threaded portion engageable with the threaded portion of said body member, the flanged portion of said sleeve having a flat seating surface, a ring member disposed on said seating surface, a screw bolt extending through said ring member and abutting said seating surface for raising one side thereof, a strainer member disposed on said ring member, and means for securing said ring member and strainer member to said flanged sleeve.

2,629,458

WATER TRAP FOR AIR LINES

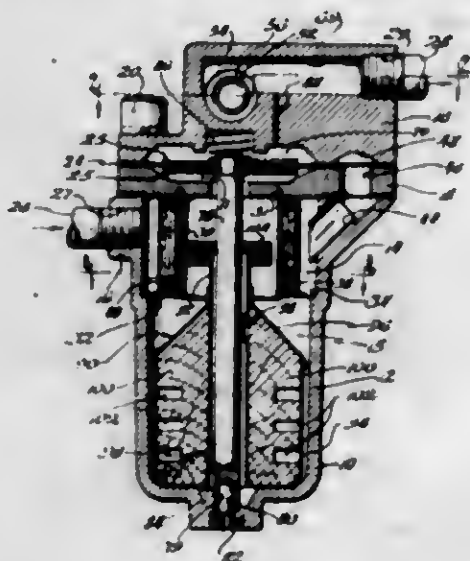
Arthur C. Allen, Chicago, and Zdenek J. Lansky, Cicero, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application December 8, 1951, Serial No. 260,642

22 Claims. (Cl. 183—42)

1. A device for removing water from a compressed air line comprising a hollow casing having an inlet and an outlet for air under pressure, an impact surface in said casing against which the air flowing from said inlet to said outlet impinges to precipitate water entrained therein, the lower portion of said casing forming a trap for collecting precipitated water, means forming an outlet in the lowermost portion of said casing for discharging collected water, a dump valve to control flow through said water outlet, a diaphragm to open said valve, means forming a chamber to isolate one side of said diaphragm from the pressure in said casing, means to establish a pressure differential between said air inlet and outlet in response to a flow of air between said points, said means communicating

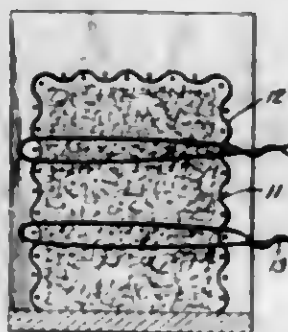
with said isolating chamber, means forming a passageway through which air circulates from said casing to said isolating chamber and said pressure differential producing means to equalize



the pressure on opposite sides of said diaphragm, and means to close communication through said passageway in response to a predetermined rise in the level of the water in said casing to render said diaphragm operative to open said valve.

2,629,459 FILTER

R. Philip Hammond and Joseph A. Leary, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 27, 1950, Serial No. 152,184
2 Claims. (Cl. 183-45)



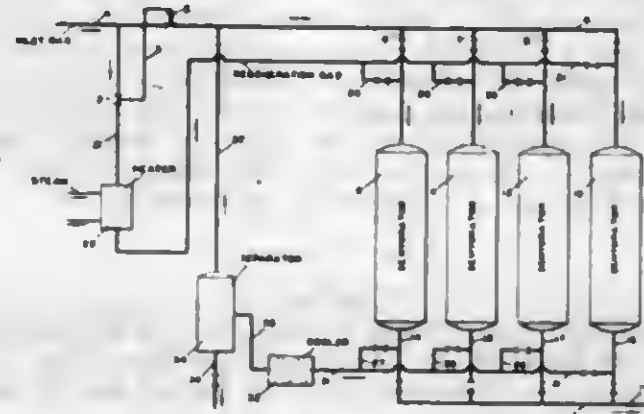
1. A filter for removing particulate matter from a gas stream saturated with vapor comprising a pad of glass fibers, said fibers being about 0.0004 inch in diameter and being packed in essentially random orientation to a bulk density of between about 0.1 and about 0.6 pound per cubic foot.

2,629,460 PROCESS FOR THE DEHYDRATION OF FLUIDS

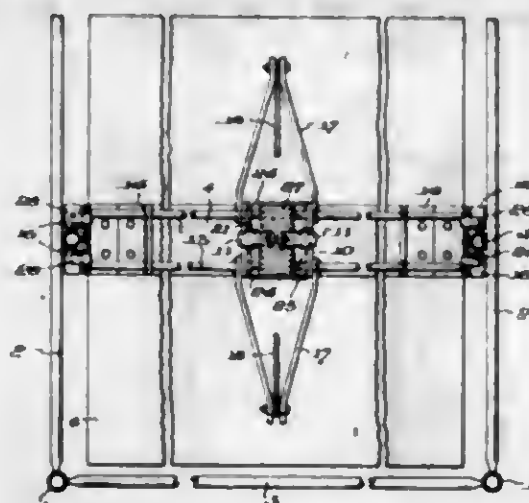
Carl J. Maki, San Tome, Venezuela, assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 4, 1946, Serial No. 651,959
2 Claims. (Cl. 183-114.2)

2. A process for dehydrating a non-aqueous gas containing water vapor which comprises, passing a stream of said gas through a conduit, dividing said stream into a major portion and a minor portion, reducing the pressure on said major stream to a pressure not greater than that of a cooled regeneration effluent gas as herein-

after recited and varying the extent of said pressure reduction in conjunction with the rate of flow of said minor stream to maintain said rate of flow constant, heating said constant volume stream and passing said heated stream through a bed of wet solid granular adsorbent and effecting a regeneration thereof, cooling the resulting gaseous regeneration effluent, removing from said



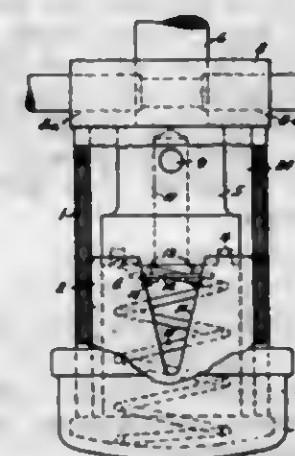
2,629,461
ELEVATOR SAFETY DEVICE
Oscar E. Moyer, Zellenople, Pa., assignor to Universal Manufacturing Corp., Zellenople, Pa., a corporation of Pennsylvania
Application June 1, 1951, Serial No. 229,383
5 Claims. (Cl. 187-86)



5. The combination with an elevator tower in which a cage that is raised by a cable is guided by vertical rails at opposite sides of the tower, of brackets rigidly mounted on the upper part of the cage beside said guide rails, a pair of parallel rotatable rods extending across the cage and through said brackets, emergency brake elements rigidly mounted on the outer ends of said rods and extending laterally downward therefrom toward the adjacent guide rails, a pair of arms each fastened rigidly to the central portion of one of the rods with the two arms projecting away from the rods in opposite directions, tension members connected to the outer ends of the arms and extending upward and inward toward said cable, means rigidly connecting the upper

ends of said tension members to the cable, a pair of spaced parallel levers rigidly mounted on each rod and projecting upward therefrom, a U-shape member pivotally connected to the upper ends of each pair of levers, the U-shape members including plates parallel to each other, bosses mounted on the opposed surfaces of said plates, and a coil spring mounted on said bosses and compressed between said plates for pushing said U-shape members away from each other to rotate the rods in case the cable breaks above said tension members and thereby allows the arms to swing downward, said rotation of the rods swinging said brake elements upward against the sides of the guide rails to keep the cage from dropping in the tower.

2,629,462
HYDRAULIC SHOCK ABSORBER
Henry L. Peek, Boston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 6, 1948, Serial No. 25,465
5 Claims. (Cl. 188-96)



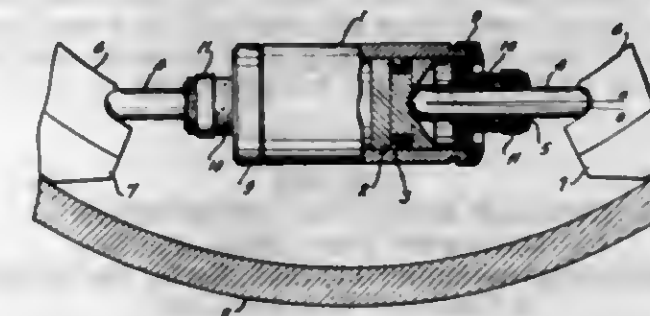
5. In a hydraulic shock absorber, an outer cylinder, a coaxial inner cylinder of relatively shorter length having walls of predetermined thickness, said inner cylinder securely mounted within one end of said outer cylinder and having an external diameter equal to the internal diameter of said outer cylinder, a piston in said outer cylinder having a sliding fit in said inner cylinder, means for moving said piston from said outer cylinder into said inner cylinder, slot means in said inner cylinder permitting said piston to expel fluid from said inner cylinder into said outer cylinder in a direction longitudinally of said slot means, said slot means defining an orifice of linearly decreasing fluid escape area which provides a substantially constant braking force, the size of said orifice being determined by the product of the thickness of said inner cylinder times the width of said slot means at the points thereof successively covered by said piston as said piston is moved from said outer cylinder into said inner cylinder.

2,629,463
HEAT DISSIPATING WHEEL CYLINDER CONSTRUCTION FOR HYDRAULIC AUTOMOTIVE VEHICLE BRAKES

Walter Reams Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application August 16, 1948, Serial No. 44,514
11 Claims. (Cl. 188-152)

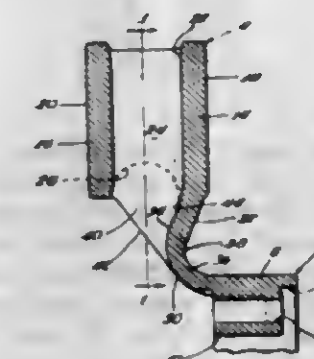
4. A brake operating mechanism comprising an open ended cylinder; a piston in said cylin-

der; an annular closure of heat sensitive material for the open end of said cylinder; a brake shoe; brake shoe engaging means extending through said closure actuated by said piston; and a longitudinally extended thimble mounted on said engaging means and having a portion snugly receiving said annular closure, said thim-



ble having an internal dimension over the major portion of its length that is greater than the external dimension of said engaging means, said thimble and engaging means movable as a unit relative to said piston, thereby providing an air space in said thimble for dissipating heat to atmosphere derived from the brake shoe engaging means.

2,629,464
BRAKE ROTOR
Wesley A. Helsten, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 15, 1949, Serial No. 105,030
1 Claim. (Cl. 188-218)



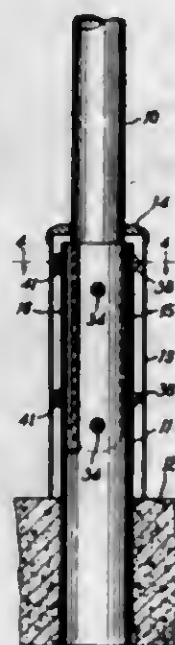
A rotor comprising a central support member including a hub and a radial outwardly extending web, a brake ring comprising a pair of plates with integral substantially equally spaced radially arranged blades extending between said plates, all of said blades being thinner than said plates, certain of said blades being thicker than the other thereof and substantially equally spaced with respect to each other and having root portions extending radially inwardly of the inner peripheries of said plates and merging along one of their radial edges with the adjacent side of said web, one of said plates being formed integral with the outer periphery of said web, said other blades extending to the inner peripheries of said plates and being formed with semicircular recesses extending from the inner ends thereof between said plates, said web being arcuate axially intermediate its ends and of gradually increasing thickness radially outwardly and merging adjacent its outer edge with one of said plates and being formed thinner than said plates adja-

cent its inner edge, said root portions being of substantially the same thickness as said certain blades but thinner than said web and being formed at their inner ends with diagonal edges extending transversely of the rotor, the outer end of each edge terminating adjacent the inner periphery of the other of said plates and the inner end of each edge terminating adjacent the inner perimeter of said web, the thinnest portion of said web being aligned with the root portions of the blades axially of the rotor and integrally united with the root portions.

2,629,465

HINGED POLE CONSTRUCTION

Claude W. Rhea, Sligo, Pa.

Application November 17, 1949, Serial No. 127,847
9 Claims. (Cl. 189—28)

1. In hinged pole construction including a base member, a pole, and means hinge connecting one end portion of the pole with one end portion of the base member, and the pole and base member each having a longitudinal axis; the combination including an upper segmental wall on the connected end portion of the base member, the segmental wall extending about the longitudinal axis of the base member and the segmental wall having a transverse cross section perpendicular to the longitudinal axis of the base member, and the transverse cross section having a central portion at one side of a diameter of a circle lying in the plane of the cross section and end portions extending beyond the other side, and the segmental wall having an open outer end and side faces spaced from each other and forming a side opening extending lengthwise of the base member from the open outer end of the segmental wall and the segmental wall of the base member having formed therein a set of apertures each on an opposite side of the longitudinal axis from the other and each aligned with the other on the diameter, the connected end portion of the pole having a transverse width less than the distance between the side faces of the segmental wall, the connected end portion of the pole having formed therein a set of diametrically opposite apertures aligned with the apertures of the base member segmental wall, and a hinge shank extending through the aligned sets of apertures, and separable means securing the hinge shank in the aligned sets of apertures.

2,629,466

LATCHING DEVICE FOR STORM WINDOWS

Michael J. Nardulli, Elmwood Park, Ill., assignor to Michael J. Nardulli, Angelo F. Naples, Peter F. Nardulli, and William H. Mozal, as trustees and known as "Western Engineering Trust"
Application August 15, 1950, Serial No. 179,515
3 Claims. (Cl. 189—72)

1. A closure structure comprising in combination an elongated member formed of sheet metal in the form of a channel mounted in fixed vertical position in a window opening, a closure member having one side edge portion slidably mounted in said channel member, the closure member having a bottom bar, a supporting member mounted in the bottom bar, means allowing adjustment of the supporting member in the bottom bar, inner and outer metal bars carried by the supporting member and held thereon by the adjustment means, the metal bars respectively engaging the inside and outside faces of one of the flanges of the channel member, and manually operable means acting between the metal bars for pressing the outer bar strongly toward the flange to draw the closure member into locking engagement with the flange.

2,629,467

MOUNTING FOR METALLIC WINDOW SASHES

John J. Fry, Bremerton, Wash., assignor to Fry Reglet Corporation, Bremerton, Wash., a corporation of Washington
Continuation of application Serial No. 27,638, May 18, 1948. This application August 17, 1951, Serial No. 242,359
9 Claims. (Cl. 189—75)

1. In a mounting for a metallic window sash having an edge flange, the combination of a channel frame having a back wall, a right-angular side wall, and an opposed side wall converging toward the right-angular wall to form a restricted mouth, said side walls terminating in retaining flanges having outer parallel edges one of which forms a resilient fulcrum for one side of the edge flange, and an interior rib integral with the right-angular wall and spaced inwardly from its flange in opposition to the fulcrum flange.

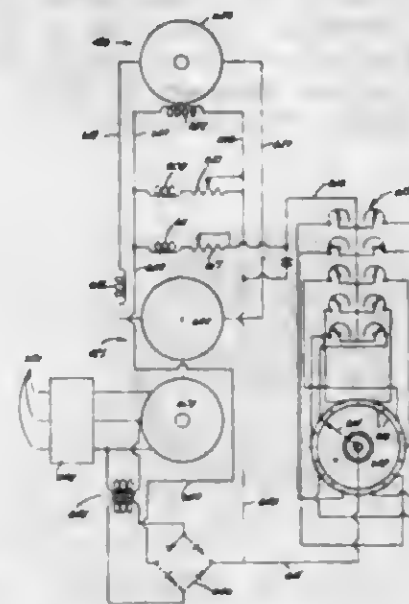
2,629,468

TOOL FEED CONTROL

Alfred F. Jelinek and Walter E. Gross, Cleveland, Ohio, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application October 8, 1946, Serial No. 702,018
3 Claims. (Cl. 192—02)

1. In a machine tool, means for advancing and retracting a tool, a motor for driving the means

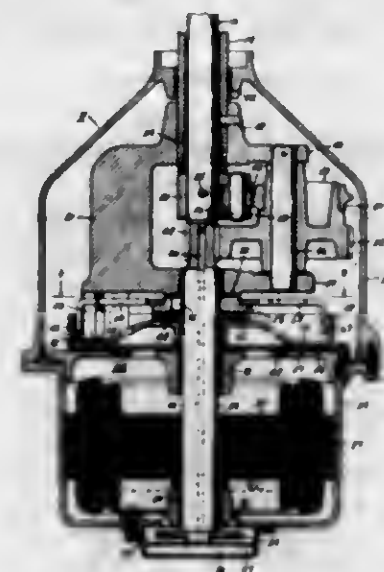
at a rapid traversing rate, a variable-speed motor for driving the means at a cutting rate, clutch means shiftable to connect the first-named means to either motor, means powered by the



traversing motor for shifting the clutch means, means operated by the first-named means for causing operation of the shifting means, and means operated by the first-named means for varying the speed of the variable-speed motor.

2,629,469

DRIVE MECHANISM FOR WASHING MACHINES AND THE LIKE

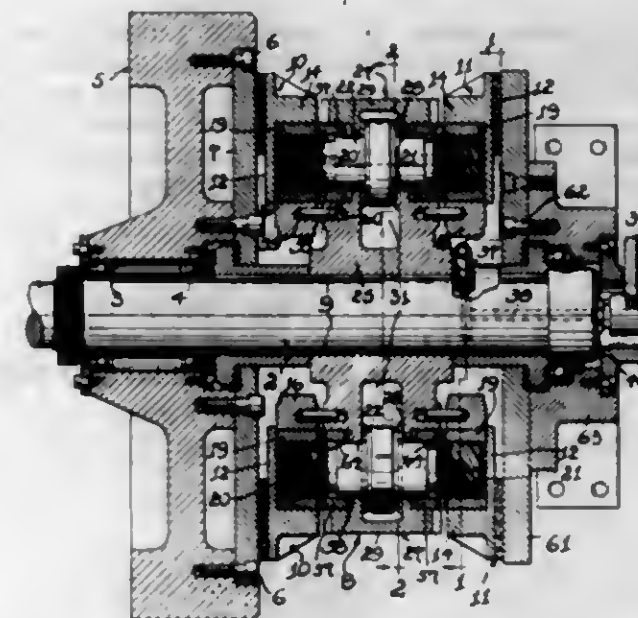
Carl S. Dayton, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 26, 1949, Serial No. 83,686
11 Claims. (Cl. 192—12)

1. A coupling and brake mechanism comprising a rotatable member; a reversible drive shaft journaled in said member; a fixed brake structure; a second brake structure concentric with said rotatable member and interposed between said member and said fixed structure, said second brake structure including a rim extending upwardly adjacent said member; means rotatably supporting said member on said second brake structure to bias the latter by gravity into engagement with said fixed brake structure; drive means including a collar disposed about said shaft and a direction responsive clutch between said collar and said shaft to mechanically couple said collar

to said shaft in only one of the directions of shaft rotation; arm means extending from said collar and engageable with said rotatable member during said rotation of said collar to transmit shaft torque thereto; direction responsive clutch means interposed between said member and said brake structure rim normally coupling said member to said brake structure to restrain rotation of said member relative thereto in either direction, and means extending from at least one of said arms to release said last-named clutch means upon rotation of said collar with the shaft.

2,629,470

CLUTCH MECHANISM

John N. Welland, Cleveland, Ohio
Application November 23, 1949, Serial No. 129,003
13 Claims. (Cl. 192—18)

1. In clutch and brake mechanism an axially rotatable base member, parallel arranged clutch and brake shoe means shiftable supported by said base member in axially offset relation with respect to its rotary axis, each of said shoe means including a nut member rearwardly extended therefrom, a threaded rod having its opposite ends threadedly engaged with the nut members of said shoe means, said rod being rotatably and axially non-shiftable supported in said base member in laterally offset, parallel relation with respect to its rotary axis and actuating means on said base member coupled with said rod and adapted to effect rotating same selectively in opposite directions for selective shifting of said clutch and brake shoe means with respect to said base member, parallel to the rotary axis thereof.

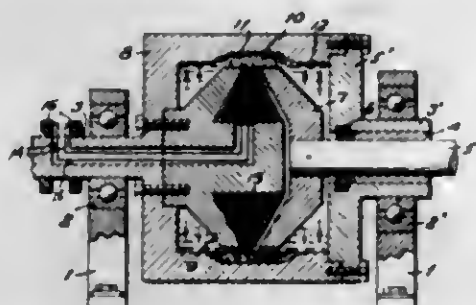
2,629,471

RADIAL FLUX MAGNETIC FLUID CLUTCH

Jacob Rabinow, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army
Application November 10, 1949, Serial No. 126,661
9 Claims. (Cl. 192—21.5)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A magnetic fluid clutch comprising relatively rotatable members having axially spaced coaxial cylindrical paramagnetic surfaces of substantially equal radius; enclosure means rotatable with one of said members to define a substantially cylindrical gap between said enclosure

means and said cylindrical surfaces, a mixture of paramagnetic particles and fluid in said gap, the quantity of particles being insufficient to entirely bridge the gap when uniformly distributed therein, but sufficient to bridge the gap at concentrated areas thereof, and means for produc-



ing magnetic poles of opposite polarity on the respective relatively rotating paramagnetic surfaces to form a magnetic field in said gap having a component of intensity increasing radially inward whereby to attract paramagnetic particles to said paramagnetic surfaces.

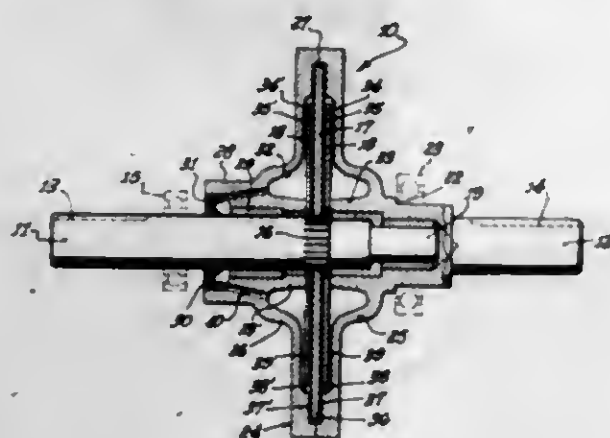
2,629,472

FLUID SHEAR TYPE COUPLING

Russell L. Sterner, Bell, Calif.

Application November 29, 1949, Serial No. 129,935

11 Claims. (Cl. 192-58)



1. In a fluid coupling, the combination of: an axially aligned driving shaft and a driven shaft, each mounted for rotation with respect to each other; a hollow housing carried by the driven shaft and journaled on the driving shaft; said housing having an annular internal groove presenting parallel annular driven faces; annular driven members carried in spaced relation by said housing and defining a storage chamber for fluid held in non-torque transmitting relation, said driven members having flat driven faces lying in the same planes as the first mentioned faces, the outer edges of said driven members being radially spaced from the edges of said groove for defining annular openings; a driving disk fixed on the driving shaft and extending radially outwardly between the driven members and into the groove, said disk presenting flat driving surfaces in close, spaced relation to the driven faces on the members and the groove; and fluid means within the storage chamber and in communication with the annular openings for flow of fluid between the chamber and the spaces between the driven faces and driving surfaces when said driving shaft is rotated.

2,629,473

FRICITION CLUTCH

Philip Conrad Vincent, Stevenage, England, assignor to Vincent "H. R. D." Company Limited, Stevenage, England, a British company

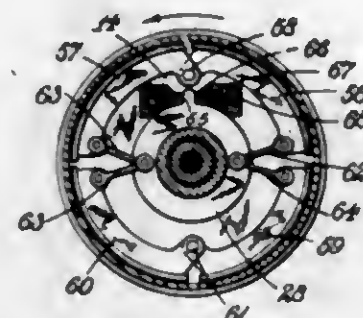
Application August 6, 1947, Serial No. 766,524

In Great Britain January 30, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires January 30, 1966

1 Claim. (Cl. 192-74)



A clutch mechanism comprising co-axial driving and driven members, a drum secured to one of said members, a friction clutch having one half secured to said one of the members, two pairs of clutch shoes mounted on the other of said members, the shoes of each pair being pivoted about axes at opposite ends of a diameter and engageable with the drum, a rotatable element mounted on one of said members within the clutch shoes and connected to the other half of the friction clutch, a toggle link pivotally connecting each clutch shoe with said rotatable element, and spring means between the rotatable element and the clutch shoe, the toggle links of one pair of clutch shoes being oppositely inclined to the toggle links of the other pair of clutch shoes whereby rotation between the rotatable element and clutch shoes in one direction disengages one pair of clutch shoes and engages the others, while rotation in the opposite direction engages said one pair and withdraws the others.

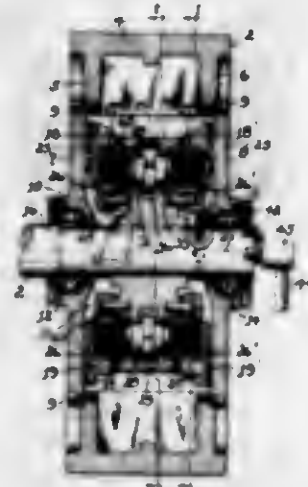
2,629,474

FLUID PRESSURE AND SCREW OPERATED COUPLING

John N. Welland, Cleveland, Ohio

Application April 14, 1950, Serial No. 155,898

9 Claims. (Cl. 192-85)



1. In a fluid actuated coupling mechanism, a drive shaft including laterally spaced bearing portions, a fly wheel including oppositely arranged, laterally spaced side walls mounted with said side walls on said bearing portion of said shaft, a base member on said shaft rigidly se-

cured thereto between the bearing portions thereof to extend between the side walls of said fly wheel, screw members with left and right handed threaded end portions freely rotatably supported by said base member between the side walls of the fly wheel, friction shoes for the opposite ends of the screw members, said friction shoes extending parallel to said side walls and being slidably and non-rotatably coupled with said base member and threadedly engaged with the respective screw members, and fluid operated means on said base member arranged between the side walls of said fly wheel, said fluid operated means including shiftable portions coupled with said screw members for rotating same to effect shifting of the friction shoes into frictional engagement with the side walls of said fly wheel.

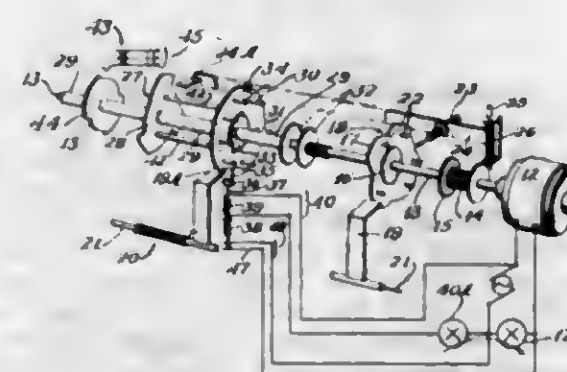
2,629,475

SCRAMBLING SWITCH

Donald E. Hooker, Skokie, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application September 21, 1949, Serial No. 117,031

17 Claims. (Cl. 192-142)



1. A scrambling and variator control including rotatably driven control means, a drive shaft therefor, a motor driving said shaft, means providing a yieldable coupling between said drive shaft and driven means, a cycling brake disc rotatable with the driven means, an electromagnetically releasable indexing brake cooperable with said disc and operable to release the latter for predetermined rotative displacements and automatically stop the disc thereafter, a control instrumentality actuated from said driven means, scrambling stops arranged in predetermined angular spacing on said cycling disc, a second brake movable into and out of stopping relations with said scrambling stops, scrambling cam means driven from said drive shaft, said cam means including relatively angularly shiftable cam elements, stop means actuated through rotation of said driven means for intermittently effecting a shifting of the angular relationship between said cam elements, a second brake coacting with said cam means for movement thereby into and out of stopping relations as aforesaid to hold or free said cycling brake disc against rotation at times when said first brake is released, circuit means for energizing said motor, and circuit means for releasably energizing said electromagnetically brake means.

2,629,476

COIN-ACTUATED ARTICLE DISPENSING PACKAGE

Elvin D. Angell, Glen Ellyn, Ill., assignor to Murray Hartstein, Chicago, Ill.

Application July 13, 1950, Serial No. 173,594

9 Claims. (Cl. 194-2)

1. A coin actuated article dispensing package embodying therein a closed carton-like body hav-

ing spaced upright wall portions, a substantially horizontal partition in and dividing the body into an upper chamber for holding the articles to be dispensed and a lower compartment for receiving coins, a trough having a bottom arranged in said body below said partition and extending between said wall portions, one of which has a vertical coin slot therein and the other of which has an article discharge outlet, said slot and outlet being in communication with the ends of said



trough, there being an opening in said partition for the passage of articles, one at a time there-through from said upper compartment into said trough, means for engaging the article in said trough for releasably holding the same against movement toward said outlet opening, said trough having an opening in its bottom for the passage of the actuating coin therethrough and into said lower compartment after it has passed through said slot.

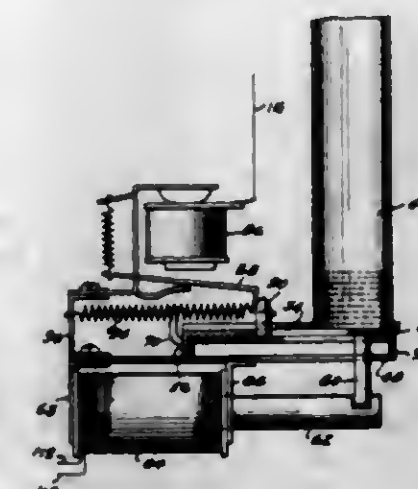
2,629,477

COIN CHANGER AND COIN CONTROL DEVICE

Edmund R. May, Lincolnwood, Ill., assignor to Sam May, Chicago, Ill.

Application December 2, 1946, Serial No. 713,475

5 Claims. (Cl. 194-10)



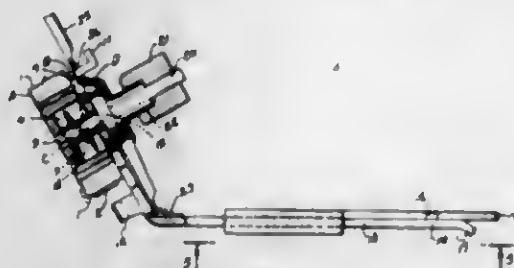
1. In a change making apparatus for coin vending machines, a coin actuated mechanism adapted to receive purchase coins of different denominations and comprising a plurality of switches, each of said switches being actuated by a coin of a predetermined denomination received by said coin actuated mechanism, a magazine for holding a column of change coins having a discharge opening at its lower end within which a portion of the coin column may descend, an uppermost ejector slide reciprocable within said opening having a single coin thickness, a lowermost ejector slide reciprocable within said opening having a multiple coin thickness, said

single coin slide having therein a slot of predetermined length and said multiple coin slide having an upstanding pin confined for movement within said slot, first spring means acting upon said uppermost slide for maintaining it in coin ejecting and magazine column blocking position and through said slot and pin engagement for also maintaining said lowermost slide in coin ejecting position, a solenoid connected to said uppermost slide acting in opposition to said first spring means for shifting said uppermost slide to its non-blocking position whereby to permit a single coin to descend into said discharge opening to be ejected upon deenergizing of said solenoid when said first spring means restores said uppermost slide, said solenoid being connected to an energizing circuit by one of said switches when said one of said switches is actuated by a coin of one predetermined denomination to shift said uppermost slide to nonblocking position, a second spring means of force inferior to that of said first spring means disposed to urge said lowermost slide to its non-blocking position, an electromagnet and armature disposed during non-energizing to block said lowermost slide from responding to its said second spring means, said electromagnet and said solenoid being connected to said energizing circuit by another of said switches when said another of said switches is actuated by a coin of another predetermined denomination received by said coin actuated mechanism for thereby permitting said lowermost slide to be moved by its said second spring means in one direction and then by said first spring means acting through said uppermost slide in the opposite direction to complete a reciprocation cycle in unison with said uppermost slide.

2,629,478

SUPPLEMENTARY LETTER DEVICE FOR TYPEWRITERS

Henry Simon, Brooklyn, N. Y.
Application June 3, 1948, Serial No. 30,853
11 Claims. (Cl. 197—37)



11. In a typewriter, a type-bar with a multiple-face type block revolvable around an axis normal to the type bar and disposed on one side of the type bar, and a centering portion on said type bar and laterally offset by the amount required to center the type block in the type centering guide of the machine.

2,629,479

EGG HANDLING MACHINE

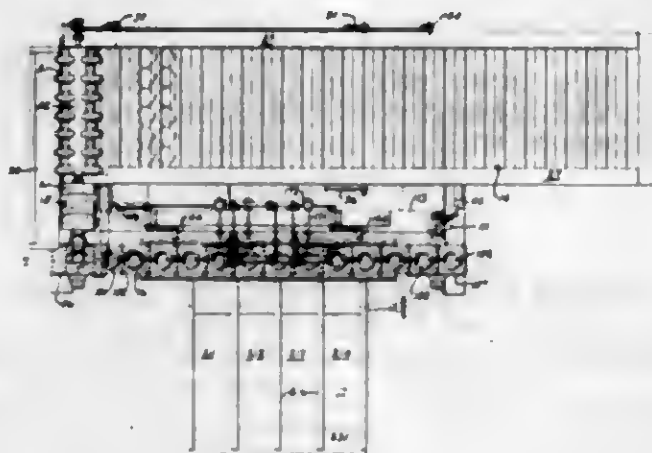
Robert C. Sneed, Piedmont, and Curtis S. Jordan, Glendale, Calif., assignors to Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland

Application June 16, 1945, Serial No. 599,910

2 Claims. (Cl. 198—25)

1. In an egg handling machine, a bulk conveyor for eggs comprising a series of troughs disposed transversely of the length of said conveyor,

a file conveyor disposed transversely of and spaced below said bulk conveyor at the discharge end thereof, egg transfer means comprising a series of rows of transfer fingers radially disposed in angularly spaced relation about a common axis spaced above the discharge end of said bulk conveyor, means for effecting rotating movement of said egg transfer means to cause said rows of fingers to travel downwardly past said discharge end of said bulk conveyor, a third

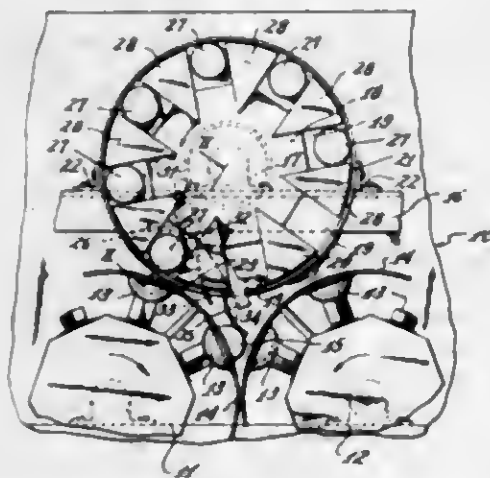


conveyor spaced below the discharge end of said file conveyor to receive eggs one at a time therefrom, a second transfer means including a pair of parallel arcuate fingers for receiving eggs one at a time from said file conveyor and depositing them upon said third conveyor, and means for moving said transfer fingers toward the discharge end of said file conveyor into egg receiving position therewith and for thereafter moving said transfer fingers away from said discharge end and into egg depositing position with respect to said third conveyor.

2,629,480

FEEDER FOR FRUIT PROCESSING MACHINES

Lloyd F. Williams, Anaheim, Calif.
Application October 6, 1947, Serial No. 778,218
2 Claims. (Cl. 198—28)



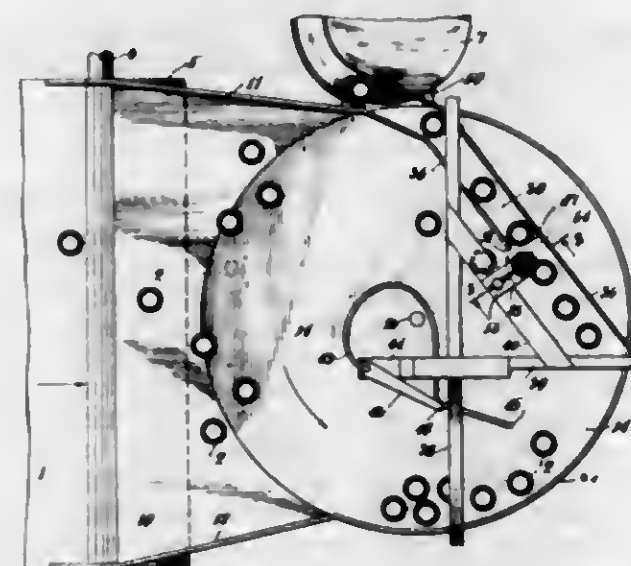
1. A fruit processing machine comprising: a pair of oppositely rotating fruit processing turrets having cups formed on the outer periphery thereof so that a fruit may be cupped between the turrets in a region generally between the axes of the turrets; a fruit feeding wheel disposed adjacent one of the turrets and having a radial array of recesses and synchronized for rotation with the turrets, the wheel being rotatable on a vertical axis and having an open upper side to

receive fruit into the array of recesses; a stationary cylinder disposed about the wheel and having an outlet opening approximately at the point of adjacency of the wheel and the one turret; and a scoop member disposed to intersect the recesses at the region of the opening and having a first and a second trailing finger so that the first finger will eject the fruit outwardly of the opening and into a synchronized cup, and said second finger being extended outwardly beyond said cylinder so that the second finger will retain within the cup the prior ejected fruit until it is cupped by a cup of the other turret.

2,629,481

ARTICLE ARRANGING APPARATUS

Harry E. Stover, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application June 4, 1948, Serial No. 31,000
8 Claims. (Cl. 198—30)



1. A container aligning device of the class described comprising the combination of a generally horizontal rotatable disc, a pair of oppositely spaced container guiding walls each extending over said disc adjacent one side thereof for receiving upright containers therebetween; roller-like container directing means adjacent an end of one of said container guiding walls and normally spaced from the other wall a distance greater than the diameter of containers to be aligned, said roller-like means being rotatable about an upwardly extending axis and in contact with the upper surface of said disc, rotation of said disc effecting rotation of the roller-like means.

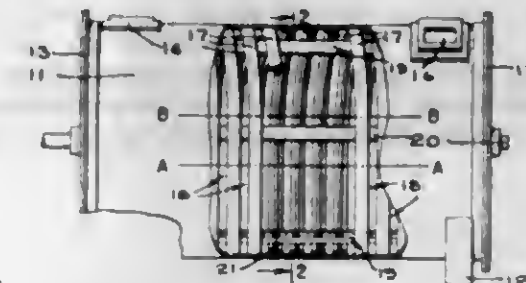
2,629,482

NONAGITATING CAN HANDLING APPARATUS

William de Back, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application May 28, 1951, Serial No. 228,619
10 Claims. (Cl. 198—41)

1. An apparatus for advancing cans of magnetic material through a processing chamber comprising a channel adapted to turn about an axis, means adapted to engage cans in said channel and effective upon turning of said channel to advance the cans along said channel, and mag-

netic means associated with said channel and adapted to retain the cans in said channel while

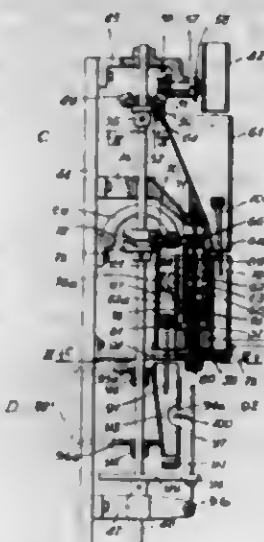


said channel moves through a given sector of its rotary orbit.

2,629,483

COP SUPPLYING MECHANISM

Walter Schwelzer, Horgen, Switzerland, assignor to Maschinenfabrik Schwelzer A. G., a corporation of Switzerland
Application May 24, 1947, Serial No. 750,271
In Switzerland June 5, 1948
7 Claims. (Cl. 198—103)



7. Mechanism to supply articles substantially individually to a place of use comprising a conveyor to convey the articles to the place of use, a magazine to feed the articles to said conveyor and a guide to receive articles from the separator and deliver to the magazine, said magazine and guide being movable, one with respect to the other, in feeding articles from said guide, a separator to segregate the articles substantially successively from a mass of them to said magazine, and a feeler to feel said conveyor and direct the delivery of the articles from said magazine to said conveyor.

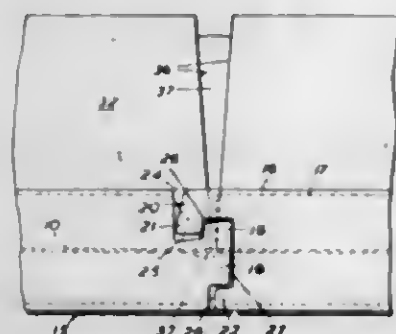
2,629,484

CONVEYER

James Thomson, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland
Application May 14, 1949, Serial No. 93,280
In Great Britain February 18, 1948
3 Claims. (Cl. 198—204)

1. A sectional frame structure for a conveyor of the type having a travelling part which works along a continuous upper portion of the structure and returns along a continuous lower portion thereof, said structure consisting of sections each having a side longitudinal detachably connected by joints to corresponding side longitudinal of adjacent sections and all of said longi-

tudinals coming flush with one another where they adjoin at their ends to avoid lateral projections there and maintain the continuity of said portions, and each joint comprising complementary projections on the respective longitudinal ends, one of said projections being an upturned tongue and the other being a downturned nose which inter-locks to prevent relative endwise displacement between said projections, and an out-



standing lip forming in conjunction with the downturned nose a recess in which the upturned tongue engages to prevent relative vertical displacement between said projections, said downturned nose extending longitudinally a substantial amount beyond said lip so that engagement and disengagement between said tongue and recess can be effected only by a relative vertical tilting movement between the associated sections.

2,629,485

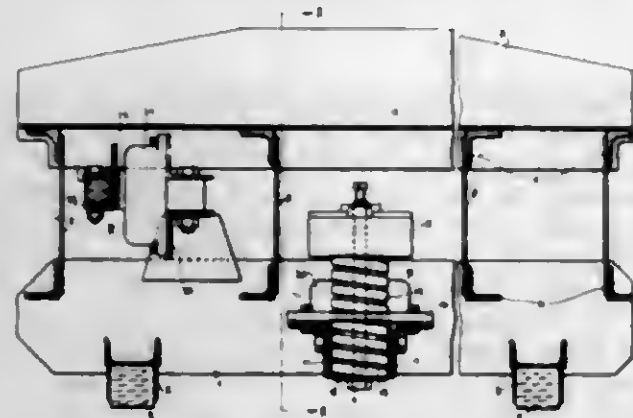
VIBRATING CONVEYER

Joseph William Sherwen, Erith, England, assignor to The General Electric Company, Limited, London, England

Application April 30, 1949, Serial No. 90,655

In Great Britain April 27, 1948

10 Claims. (Cl. 198—220)



2. A vibrating conveyor comprising in combination a support for the material to be conveyed, a first electro-magnetic vibrator arranged to impart a reciprocatory motion to said support generally parallel to a desired direction of movement of the material, a second electro-magnetic vibrator arranged to impart a reciprocatory motion to said support to cause it to move up and down, two half wave rectifiers to be fed from a common single-phase alternating current supply, each rectifier being arranged to energize the operating windings of one of said electromagnet vibrators, and switch means for reversing the connections of one of said rectifiers to the alternating current supply to permit reversal of the conveyor by changing the relative timing of the reciprocations produced by the electro-magnetic vibrators.

2,629,486
STOPPAGE CAUSE LOCATOR FOR CONVEYERS

Ira S. Eggleston, St. Paul, and Charles R. Boller, North St. Paul, Minn., assignors to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota

Application October 28, 1950, Serial No. 192,674
8 Claims. (Cl. 198—232)



4. In combination with an endless conveyor having ascending and descending reaches and a plurality of equally spaced load carriers which are normally in motion along a determined path, a plurality of loading mechanisms spaced along the ascending reach of said conveyor to deliver load units to said carriers, a plurality of unloading mechanisms spaced along the descending reach of said conveyor to remove load units from the carriers, electrical controls including, a stop switch associated with each of selected loading and unloading mechanisms for interrupting the motion of the carriers along said path in response to an abnormal condition locally, and mechanism for identifying any of said switches which is operated to interrupt the motion of said carriers comprising, a dial, a pointer movable over the face of said dial, means operatively connecting said pointer to said conveyor whereby said pointer is moved over the face of said dial at a rate which is proportional to the rate of movement of the conveyor load carriers along said path and indicia carried by the dial and adapted to identify the several positions of said stop switches along said path, said indicia being spaced apart along the path of said pointer proportionately to the spacing of the stop switches along the path of the conveyor load carriers.

2,629,487

BICYCLE WHEEL BRACE

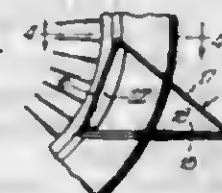
Benjamin F. Kells, Mount Prospect, Ill., and Nicholas M. Sider, Marlon, Ind., assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application May 15, 1948, Serial No. 27,334

2 Claims. (Cl. 206—46)

1. A paperboard packing brace for use in packing for shipment bicycles and the like having wheels with tires mounted thereon, a plurality of panels secured together end to end and defining a closed polygon having a base panel of substantial width and side panels extending from the ends of the base panel and spaced apart thereby at their ends adjacent said base panel, the latter having a slot extending the full width thereof and

locking flaps hinged thereto along fold lines substantially coincident with the sides of said slot, the latter being of substantially uniform width and said flaps being of substantially equal width, the combined widths of said flaps being within the width of said slot, each of said side panels



having therein a key-hole aperture aligned with said slot and comprising an outer substantially semicircular portion of a diameter approximately the same as the width of said slot and an inner portion of approximately the same width at its inner end as said slot and converging therefrom outwardly and opening into said outer portion.

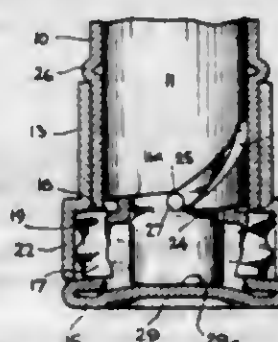
2,629,488

LIPSTICK CASE

Daniel Marc Sée, South Norwalk, Conn.

Application November 18, 1949, Serial No. 128,151

3 Claims. (Cl. 206—56)



1. A swivel-type lipstick case comprising an outer casing, an intermediate casing fixed within said outer casing and turnable therewith, an inner casing turnably mounted within said intermediate casing, a lipstick holder, and a removable closure member secured to the bottom end of said lipstick case, said intermediate casing having a helical slot formed therein, which has an open bottom end extending through the bottom edge of said intermediate sleeve, said inner casing having a longitudinal slot formed therein which has an open bottom end, said lipstick holder having a laterally projecting pin sized to fit within said helical and longitudinal slots to advance and retract said lipstick holder within said inner casing when said inner casing is turned in respective opposite directions relative to said intermediate casing, said lipstick holder being movable to a fully retracted position in which said pin is located in the registering bottom open ends of the longitudinal slot and helical slot for removal of said lipstick holder when the closure member is removed, said closure member in its secured position abutting the bottom surface of the lipstick holder and acting as stop means to prevent said lipstick holder pin from falling below the bottom open end of said longitudinal slot when the lipstick holder is in its fully retracted position, the bottom edge of said intermediate sleeve having an inclined cam surface adjacent the bottom open end of said helical slot positioned to engage and guide said pin into said helical slot when the bottom end of the helical slot is out of registry with the bottom end of said longitudinal slot, the

pin is placed in the bottom open end of the longitudinal slot, and the intermediate sleeve is turned in a direction to advance the lipstick holder.

2,629,489

REFILL CARTRIDGE

Raymond de Shelly, New York, N. Y.

Application January 10, 1950, Serial No. 137,872

5 Claims. (Cl. 206—56)



1. A refill cartridge for ejecting a cosmetic stick refill into a receptacle of a holder, comprising, a base having a recess therein, a cosmetic stick refill, one end of which projects into and is supported within said recess and the other end of which protrudes from said recess, a cap having a recess therein receiving the protruding end of said refill, said base and cap having abutting end surfaces, and a sleeve surrounding said base and cap having a snug, sliding fit with the outside walls thereof, said sleeve being shorter than the combined length of the base and cap and having a laterally extending surface adapted to seat against an end surface of the holder into which said refill is to be inserted.

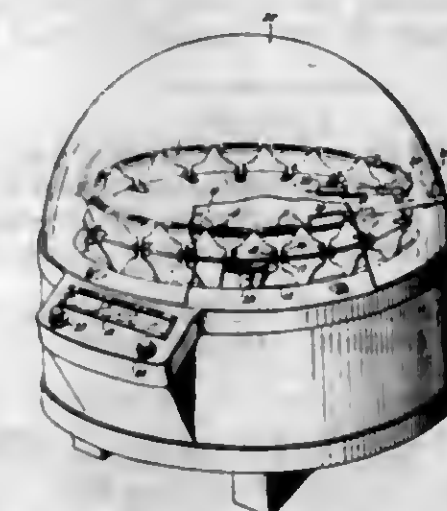
2,629,490

AUTOMATIC WEIGHING MACHINE

Samuel J. Bailey, Roosevelt, N. Y., assignor to Servo Corporation of America, New Hyde Park, N. Y., a corporation of New York

Application August 15, 1950, Serial No. 179,609

21 Claims. (Cl. 209—121)



1. In a weight-measuring device of the character indicated, means for supporting a sample to be weighed, means for rotating said supporting means at a radial distance from a rotary axis, force-measuring means electrically responsive to centrifugal force on said supporting means for measuring said centrifugal force, whereby from a knowledge of the speed of rotation and of the measured centrifugal force the weight of the sample may be determined, and stationary electrical pick-off means responsive to the output of said force-measuring means.

2,629,491

APPARATUS FOR WINNOWING TEA

Howell Sutherland, Durban, Natal, Union of South Africa, assignor to J. Lyons & Company Limited, London, England

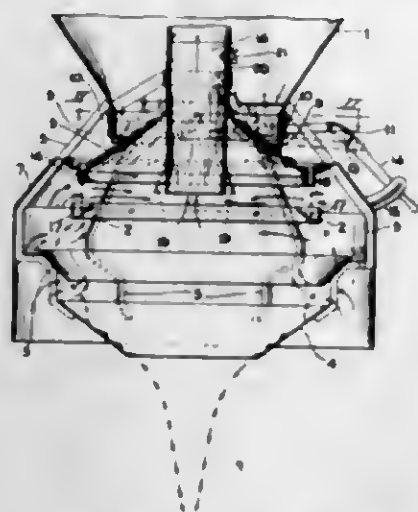
Application August 5, 1947, Serial No. 766,191

In Great Britain June 11, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires June 11, 1965

6 Claims. (Cl. 209—136)



2. An apparatus for winnowing tea comprising in combination a plurality of frusto-conical baffles mounted in vertical arrangement, one above the other, spaced apart, the uppermost baffle being outwardly and downwardly slanted and the lowermost baffle being downwardly and inwardly slanted, a feed hopper mounted above the uppermost baffle for feeding tea to be winnowed to said baffle, the lower rim of the lowermost baffle forming an unobstructed discharge opening for the winnowed out tea, and a suction pipe for sucking air through spaces between the baffles projecting through the feed hopper and the uppermost baffle and extending below the lower rim of the said baffle, the said suction pipe being mounted axially adjustable for raising and lowering the position of the intake opening of the suction pipe relative to the spaces between the baffles, thereby varying the distribution of air passing through the tea cascading from baffle to baffle.

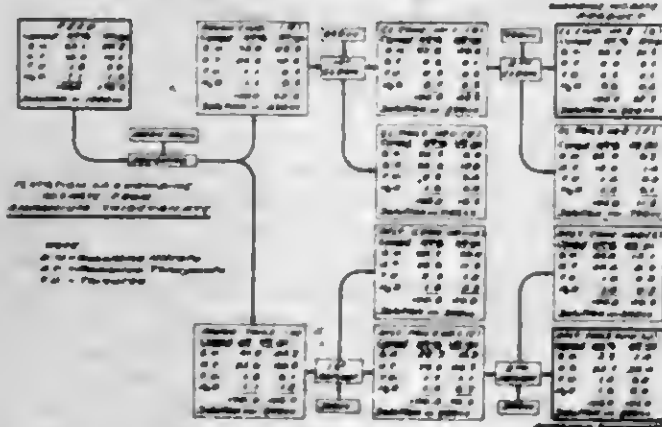
2,629,492

FLOTATION OF GUANIDINE SALTS

Kerwin K. Kurtz, Stamford, and Robert B. Booth, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 6, 1950, Serial No. 183,436

11 Claims. (Cl. 209—164)



1. A process comprising subjecting an aqueous suspension of a guanidine salt and an inorganic

salt to froth flotation, floating said guanidine salt in the thus-formed froth, separating said froth from said suspension, and recovering said guanidine salt therefrom.

2,629,493

CONCENTRATION OF OXIDIZED IRON ORES BY FROTH FLOTATION IN THE PRESENCE OF CARBOHYDRATE XANTHATES

Earl H. Brown, Hibbing, Minn., assignor to Attapulugus Minerals & Chemicals Corporation, a corporation of Maryland

No Drawing. Application November 8, 1951,

Serial No. 255,521

5 Claims. (Cl. 209—166)

1. The method of concentrating finely-divided oxidized iron ores in which the gangue ingredient is principally siliceous material, which comprises conditioning an aqueous pulp of the ore with an anionic collecting agent selected from the class consisting of higher fatty acids and resin acids and their soaps and mixtures of fatty and resin acids, and with cooperating agents consisting of a calcium compound which is an activator for siliceous material, and with a xanthate of a carbohydrate from the group of carbohydrates consisting of starch, cellulose and dextrin, and subjecting the thus conditioned ore pulp to froth-flotation treatment, thereby producing a froth-product containing most of the siliceous material in the ore and a residue which is an oxidized iron concentrate.

2,629,494

CONCENTRATION OF OXIDIZED IRON ORES BY FROTH FLOTATION IN THE PRESENCE OF CARBOHYDRATE XANTHATES

Earl H. Brown, Hibbing, Minn., assignor to Attapulugus Minerals & Chemicals Corporation, a corporation of Maryland

No Drawing. Application November 8, 1951,

Serial No. 255,522

5 Claims. (Cl. 209—166)

1. The method of concentrating finely divided oxidized iron ores containing a siliceous gangue, which comprises conditioning an aqueous pulp of the ore with a xanthate of a carbohydrate from the group of carbohydrates consisting of starch, cellulose and dextrin, and with a cationic amine compound which is a selective collector for the siliceous gangue, and subjecting the conditioned pulp to froth-flotation treatment, thereby producing a froth-product containing most of the siliceous material in the ore and a residue which is an oxidized iron concentrate.

2,629,495

MAGNETIC SWEEPER

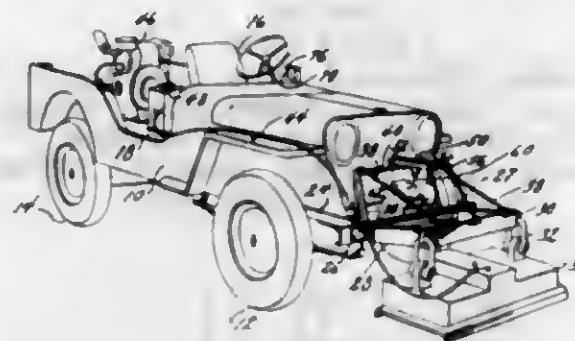
Stanley W. Smale, Toledo, Ohio

Application January 10, 1950, Serial No. 137,697

1 Claim. (Cl. 209—223)

A magnetic sweeper embodying a truck incorporating a chassis including a pair of side members, said truck having a driver's station, wheels supporting the front of said truck between the driver's station and the forward termini of said side members, said chassis including a cross-beam connecting the forward termini of said side members, a rectangular frame including a pair of opposing major sides and a pair of opposing minor sides, one of said major sides hingedly attached to said cross-beam, said rectangular frame adapted to provide an extension of said chassis forwardly from the wheels, an elongated magnet having its opposite ends suspended by linkage from the minor sides of said rectangular frame to provide a continuous magnetic field at least en-

tirely across the distance between the outer sides of said wheels and forwardly thereof, a second frame upstanding from said chassis secured to the cross-beam, a flexible connection between the second frame and a forward portion of said rectangular frame providing a limit for the downward swing of said rectangular frame on its hinged mounting and also serve as support for



the frame holding the magnet in operative position, hydraulic means for raising and lowering said rectangular frame, a deck on said truck rearwardly of the wheels, magnetic apparatus carried on the deck, a circuit between said magnetizing means and said magnet, and means at said driver's station for controlling said circuit and the hydraulic means for raising and lowering said rectangular frame.

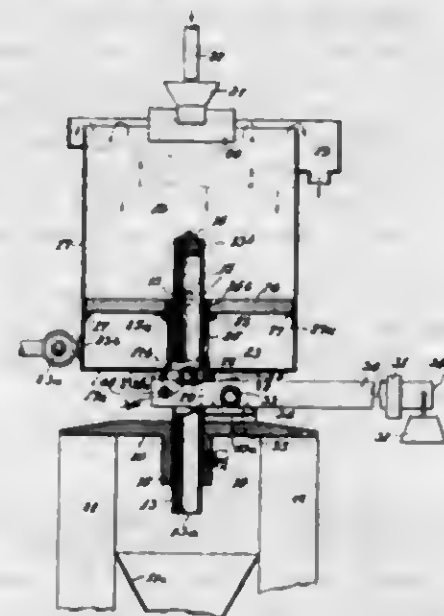
2,629,496

DISCHARGE MECHANISM FOR HYDRAULIC SEPARATORS

William C. Laughlin, New York, N. Y.

Application April 28, 1950, Serial No. 158,740

1 Claim. (Cl. 209—496)



In an apparatus for separating minerals of fine ores having a container with a bottom wall and with a central opening, and an upper end, a horizontal porous partition in said container spaced from said bottom wall and from said upper end to form a lower and an upper chamber, and having a central bore in vertical alignment with said bottom opening, with a water supply inlet below said partition filling the lower chamber with water and supplying an uprising flow of water through said partition into said upper chamber, said container having a discharge means for said water and lighter mineral at said upper end, the combination of a bushing centrally of said partition engaging said central bore and extending through the bottom opening, and below said container, and fixed to said container, said bushing below said container having guide wheels,

a discharge tube slidably disposed within said bushing and extending from above said partition to below and beyond said guide wheels, said discharge tube having an upper discharge opening, a supporting frame below said container, means securing the lower end of said discharge tube to said frame, a pivot means supported on said frame, and a lever pivoted to said pivot means and extending under said guide wheels at one end and adjustably weighted on the other end to counterbalance the weight of the container and its content, said counterbalancing being overcome by any excess of heavier mineral over said balanced content in said container above said partition, said upper discharge opening being horizontally aligned with said partition and closed by said bushing, and said tube having a lower discharge opening at its lower end, whereby the bushing is moved downwardly away from said upper discharge opening in said tube to discharge the heavier minerals into said tube and out of the same from its lower discharge opening, until the removal of said excess of heavier material enables the counterbalanced end of said lever to press its other end against said guide rollers, and move the said bushing with said container upwardly to close the discharge opening in said tube, until further high gravity mineral is again in excess.

2,629,497

PEANUT STACKING RACK

Lawrence Y. Barnes, Jarratt, Va.

Application January 10, 1950, Serial No. 137,818

4 Claims. (Cl. 211—29)



1. In a stacking rack, the combination of a base comprising a set of inclined bars disposed in mutually crossed relation and attached to each other intermediate the ends thereof, said bars being provided with complementary grooves defining a vertical bore in said base at the points of crossing of the bars, and a removable pole positioned in said bore and having a pointed lower end for insertion in the ground.

2,629,498

DISH RACK

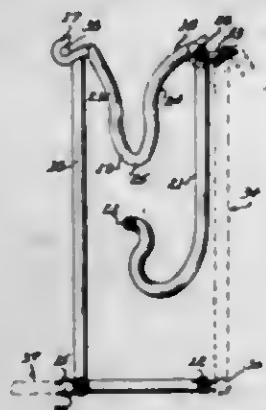
Conrado S. Marasigan, Fort Monmouth, N. J.

Application August 4, 1950, Serial No. 177,721

3 Claims. (Cl. 211—41)

1. In a rack for a dish, a base member adapted to rest upon a supporting surface, said base member comprising a front bar, a rear bar, side bars extending between and connected to said front and rear bars, upright side bars rising

from said rear bar at points adjacent to the points at which the side bars intersect the rear bar, U-shaped members positioned forwardly of said upright bars, said U-shaped members having bight portions and rearward legs secured at their upper ends to the upper ends of the upright side bars and forward legs, the upper ends of the forward legs connected to depending

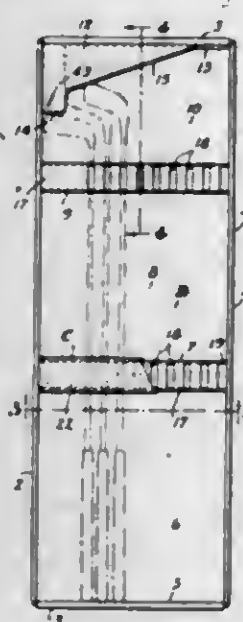


straight bar portions, said straight bar portions terminating at their lower ends in rearwardly and upwardly curved lower end portions spaced forwardly from the upright side bars, said lower end portions terminating in upwardly and rearwardly directed terminals, said terminals being spaced below the bight portions of said U-shaped members, and a lower bar extending between and connected to said terminals.

2,629,499

GOLF CLUB SHIPPING AND DISPLAY RECEPTACLE

Charles D. Welshenbach, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application March 18, 1949, Serial No. 82,194
6 Claims. (Cl. 211-60)



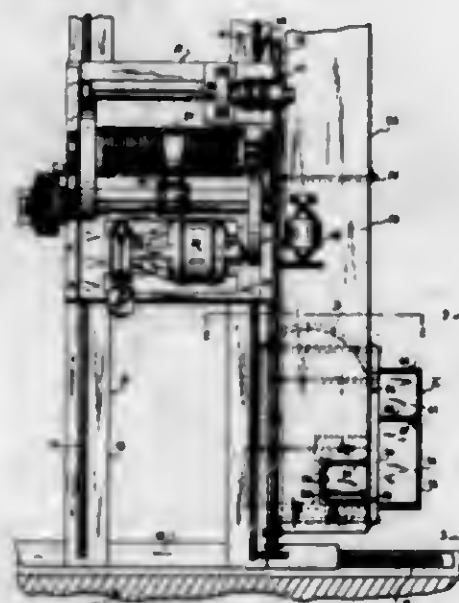
1. A shipping and display receptacle for golf clubs comprising an elongated rectangular container having a flat bottom and upright side and end walls and a club rack fitting within said container and resting upon the bottom thereof, said rack comprising a strip of paperboard of a width to fit between said side walls and having a portion intermediate its ends bent about four parallel transverse fold lines to form a hollow upstanding rib having a flat top wall and spaced side walls, said rib having its ends spaced from said side walls and being provided with spaced club receiv-

ing slots extending across said top wall parallel with the container side walls, and a box-like club retaining cap shaped to fit upon said rib and having side and end walls engageable with the sides and ends of said rib, the side walls of said cap having club receiving slots adapted to register with the club receiving slots of said rib.

2,629,500

CRANE CAB

Roy F. Dehn, Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application April 24, 1947, Serial No. 743,545
5 Claims. (Cl. 212-18)



5. In an overhead operator's cab comprising a tubular-like member adapted to be supported with its longitudinal axis extending vertically and having its side walls composed largely of transparent material, a platform connected to and rotatable about the lower end of said tubular-like member, a door in a side wall of said tubular-like member providing access to and from said platform, and lock means movably connected to said tubular-like member and normally projecting in the path of movement of said platform and movable by said door to a position clear of said platform when said door is closed.

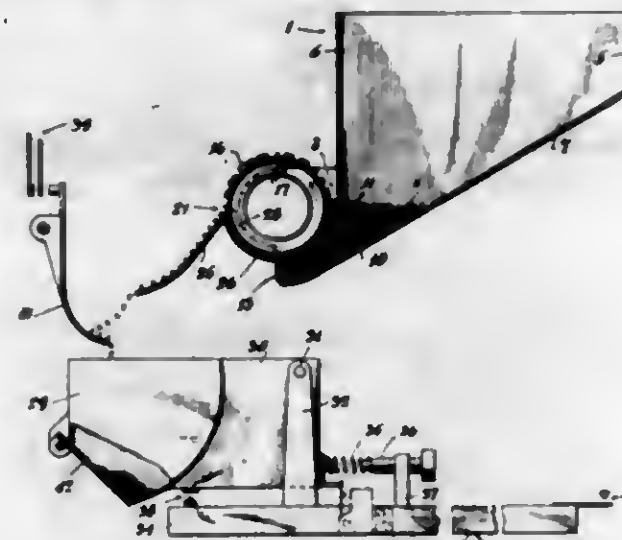
2,629,501

TRANSFERRING AND DISPENSING APPARATUS AND METHOD

Aldo R. Curioni, New York, N. Y., assignor to Sarioni Company, Inc., New York, N. Y., a corporation of New York
Application May 17, 1948, Serial No. 27,579
5 Claims. (Cl. 214-2)

3. A device of the class described comprising a generally horizontal rotatably mounted cylinder having a plurality of perforations around its circumference and along its length, an electric motor for rotating said cylinder, a hopper having a downwardly sloping stationary bottom portion extending beneath said cylinder for directing articles toward and beneath the cylinder to form a mass thereof disposed largely beneath said cylinder, a generally upright hopper end wall adjacent the cylinder and forming with said bottom portion a hopper mouth extending around about one-quarter of the cylinder, means for drawing air inwardly through said perforations to agitate articles in said mass and to pick up and retain articles on the cylinder in general alignment with

the horizontal axis thereof, and means to vary the speed of said motor and the rate of rotation of said cylinder over said article mass in response to articles delivered by the cylinder including a rotatably mounted receptacle for receiving and maintaining in alignment articles delivered by

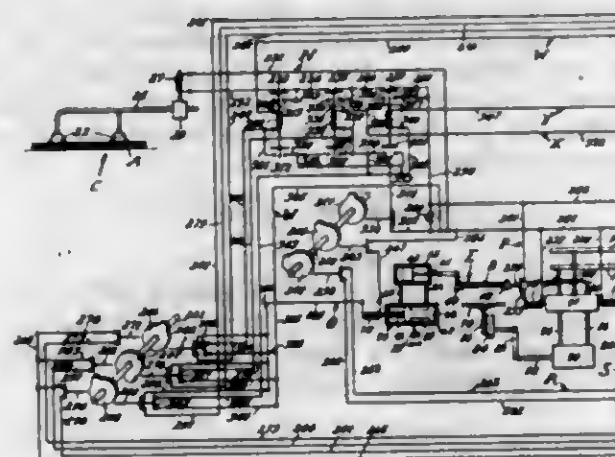


the cylinder, resilient means normally urging said receptacle in one direction but adapted yieldably in response to receipt of articles therein, and switch means connected with said motor to effect a speed change thereof and actuated in response to movement of the receptacle in opposition to said resilient means.

2,629,502

MECHANISM FOR LOADING SHEET MATERIAL INTO MAGAZINES

Carl G. Preis, Forest Hills, N. Y., and Ronald E. J. Nordquist, Maplewood, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 5, 1947, Serial No. 766,343
11 Claims. (Cl. 214-6)



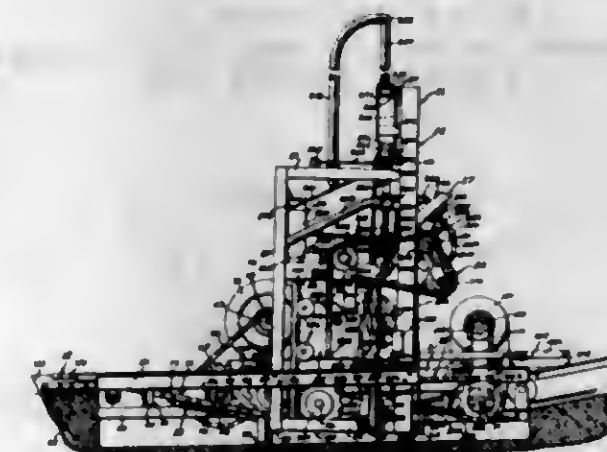
1. Mechanism for loading stacks of sheets into the supply magazines of a plurality of machines in accordance with the demands of those machines, comprising a movable conveyor for advancing successive stacks of sheets, a stack support movably mounted adjacent said conveyor for receiving the stacks of sheets and for delivering the same to said conveyor, a plurality of magazines for said sheets to supply the demands of machines connected therewith, said magazines being disposed in spaced relation along the path

of travel of said conveyor for receiving said stacks of sheets therefrom, means disposed adjacent each of said magazines for inserting individual stacks thereinto from said conveyor, means for moving said stack support towards and away from said conveyor for normally delivering successive stacks to the conveyor in substantially the order of delivery to said magazines, and control means operable upon said stack support moving means in accordance with the demand of each of said machines and its magazine to stop delivery of a stack to said conveyor whenever a magazine normally destined to receive that stack is filled and there is thus no demand for the stack.

2,629,503

BOX UNSTACKER

Ambrose A. Neja, Anaheim, Calif.
Application December 6, 1948, Serial No. 63,717
14 Claims. (Cl. 214-8.5)



2. In a box unstacking apparatus, an unstacking station, a feed conveyor adapted to feed boxes to the unstacking station, vertical guide members disposed at each side of the station, plates mounted to move up and down on the guide members, a chain connected at one end to each of the plates, a sprocket above each plate and receiving a chain, a crank member at one side of each sprocket, each crank member having a roller thereon, each chain passing over one of the rollers, means to anchor the other end of the chains, means to rotate the crank member to raise and lower the plates, a box supporting member having a box engaging part thereon adapted to engage beneath a box at the station, and means to move said box engaging parts apart to permit delivery of a stack of boxes to the receiving station.

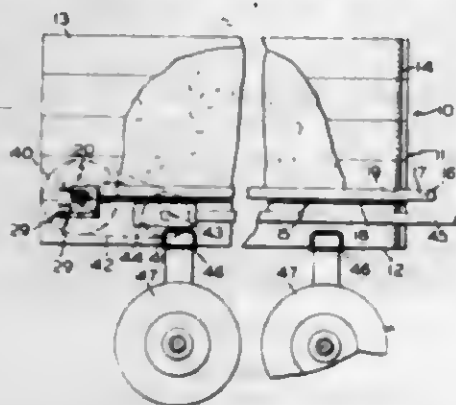
2,629,504

RECIPROCATING FLOOR BOTTOM FOR UNLOADING VEHICLES

Walter R. Peterson, Hinsdale, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 2, 1950, Serial No. 147,301
12 Claims. (Cl. 214-83.3)

1. A vehicle having a load supporting body, means for discharging a load from said body comprising a plurality of horizontally extending first and second floor portions carried on said body in substantially contiguous relation to pro-

vide a substantially smooth vehicle bottom, and means engaging said first and second floor portions for successively moving said floor portions



in one direction, said means being arranged and constructed to move said first and second floor portions in concert in an opposite direction.

2,629,505

HAY STACKER

Peter Mattice, Wells, Nev.

Application January 13, 1950, Serial No. 138,465

1 Claim. (Cl. 214-108)



In a hay stacker, a pair of upwardly inclined laterally spaced coextensive tracks, a load hoisting and dumping fork having opposite sides, a pair of side rollers on said fork supporting the fork on said tracks for hoisting movement up said tracks, said fork being vertically swingable on said rollers from a loading to a hoisting position and overbalanced on said rollers when in hoisting position to swing downwardly between said pair of tracks into dumping position, a third track intermediate and parallel with the pair of tracks with an upper end spaced below the upper ends of said pair of tracks, a third roller on said fork engaged with said third track by swinging of said fork into hoisting position to maintain the fork in hoisting position to the upper end of the third track, said third roller riding off said upper end to release said fork for swinging into dumping position, a pair of pull cables at opposite sides of the pair of tracks, pulleys on the upper ends of the pair of tracks for supporting said cables, and a pair of levers pivoted to opposite sides of the fork and swingable against the fork to swing said fork into hoisting position and connected to said cables so that pull thereon will swing said levers

and subsequently hoist said fork, said fork when swinging into dumping position engaging said levers so that said levers under pull thereon by said cables establish the maximum dumping position of the fork, and pairs of guides on the fork at opposite sides thereof between which said levers swing for guided movement.

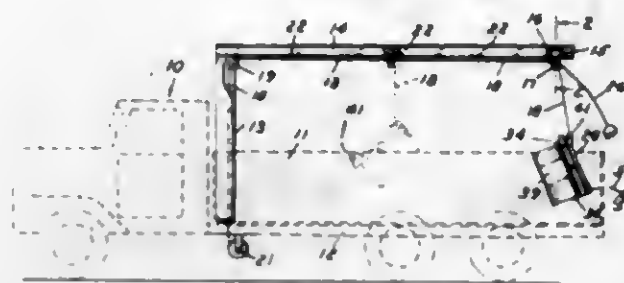
2,629,506

LOADING APPARATUS

Erwin F. Meltz, Detroit, Mich.

Application October 5, 1949, Serial No. 119,656

5 Claims. (Cl. 214-302)



1. A device for lifting and inverting an open ended container, such as a rubbish drum, comprising a frame adapted for supporting said container in an upright position, a lifting member extending upwardly at one side of the frame from the lower end thereof, said frame being arranged to swing around said lifting member from an upright position to an inverted position, and means for releasably inter-engaging the upper end of said frame with a portion of said lifting member adjacent said frame when the frame is in said upright position, said lifting member comprising a cable and said inter-engaging means comprising a clamp member on said frame, said clamp member having a pair of jaws, one of which is movable relative to the other, said jaws in the closed position being arranged to enclose a portion of said cable adjacent said jaws, means biasing said jaws to the open position, and releasable means for locking said jaws in the closed position, whereby when said frame is in the elevated position and said releasable locking means are actuated to release said cable, said frame swings downwardly from said upright to said inverted position and the contents of said container are discharged.

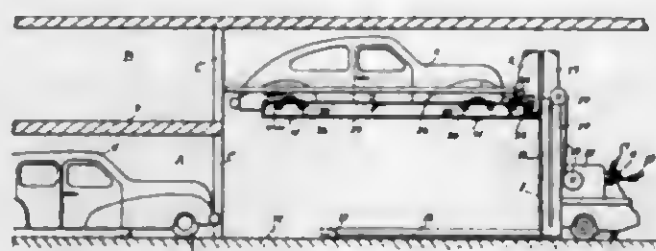
2,629,507

CAR PARKING MECHANISM

Oscar Jelmer Olson, Seattle, Wash.

Application July 29, 1946, Serial No. 686,940

16 Claims. (Cl. 214-390)



1. A lift truck for wheeled vehicles comprising a mobile chassis which includes a stabilizing

projection of width and height to fit between the wheels and beneath the axles of such a wheeled vehicle, two longitudinally extending frames supported indirectly from the chassis and spaced apart for disposition at opposite sides of the vehicle to be lifted, load-engaging elements carried by and spaced lengthwise of each of said frames, directed inwardly therefrom in load-engaging position, means for moving said load-engaging elements between inwardly projected load-engaging position and outwardly withdrawn released position, and means mounted on the chassis, and itself supporting said frames, for lifting and lowering said load-engaging elements.

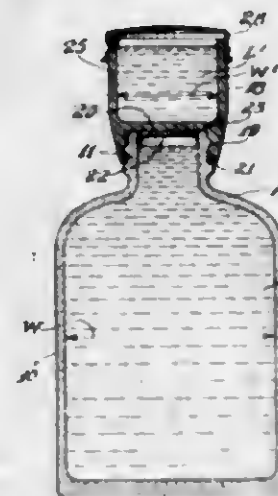
2,629,508

COMPOSITE BOTTLE

Martin Prager, Irvington, N. J., assignor of one-half to Marjorie E. Prager, Union City, N. J.

Application July 24, 1950, Serial No. 175,525

1 Claim. (Cl. 215-6)



A composite container comprising a main bottle having a reduced neck at its upper end, said neck being externally threaded, an outwardly extending circumferential bead formed on said neck below the threads, an auxiliary receptacle having an elongated circular body open at its top and bottom and formed internally with an intermediate web integral with the annular wall of the body and dividing the same into an upper material-holding chamber open at its top and a lower socket portion open at its bottom, said socket portion being internally threaded for engagement with the threads of said neck, said socket portion being externally tapered downwardly to a diameter at its lower end substantially corresponding to the diameter of said bead, the socket portion being of a depth adapting its lower wall end to bear against the upper surface of the bead when the auxiliary receptacle is screwed upon said neck, said web having a downwardly depending circular integral boss concentric with the socket portion and being spaced from the wall of the socket portion by an annular groove into which the upper edge of the neck of the bottle snugly fits when the auxiliary receptacle is screwed tightly upon the neck, and a closure for the upper open end of the auxiliary receptacle.

2,629,509

CONTAINER ADAPTED TO BE VACUUM SEALED

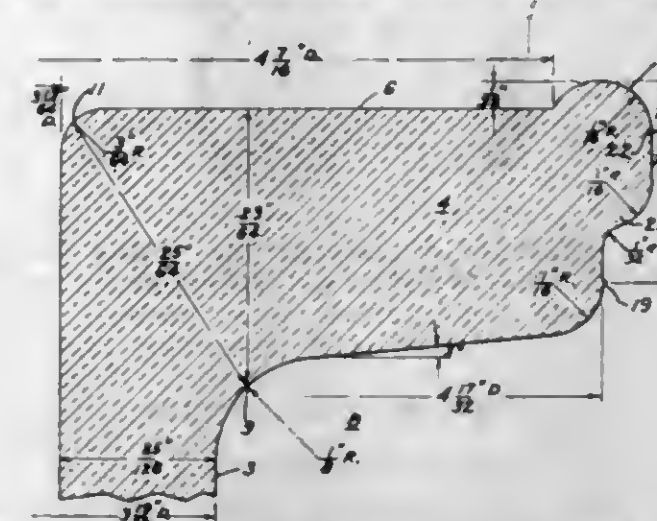
Walter E. Bosch, San Francisco, Calif., assignor to Glass Containers, Inc., San Francisco, Calif., a corporation of California

Application October 10, 1950, Serial No. 189,419

9 Claims. (Cl. 215-31)

6. A container of glass or the like material of the type having a relatively wide substantially

flat surfaced rim about its mouth adapted to be sealed by a closure having a suction channel of resilient material, comprising a body, a neck joined to the body, a finish joined to the neck, the flat surface of the rim being on the top of the finish and extending to a position adjacent the inner edge of the rim, a relatively deep groove about said neck to provide a diagonal thickness of the finish between said inner edge of the rim



and the junction of said neck with said finish only slightly greater than the thickness of the finish between said junction and said flat surface, a mold transfer shoulder about the periphery of said finish, a circumferential mold parting seam on said finish below said shoulder, and another circumferential mold parting seam on said finish above said shoulder.

2,629,510

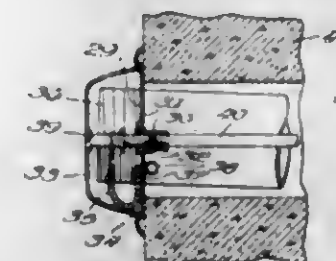
COMBINATION OIL FILL AND VENT WALL FITTING

Carl M. Preisinger, Cicero, and John E.

Svabek, Jr., Chicago, Ill.

Application April 10, 1947, Serial No. 740,628

2 Claims. (Cl. 220-3.3)



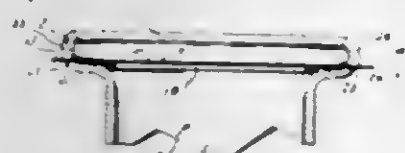
1. In a combined oil fill pipe and vent pipe wall fitting comprising a plate adapted to be positioned against the outer non-depressed surface of the wall, said plate having adjacent openings therein for the passage of oil fill and vent pipes, said openings being larger in diameter than the oil fill and vent pipes for the purpose of loosely receiving said pipes, means for holding said plate in fixed position against said wall, said means including a bolt extending fully through said wall and engaging said plate, a cross member spanning the opening for the pipes on the inner surface of said wall, means for adjustably fastening said bolt to said cross member, a cover housing the ends of said pipes and having an opening therein for venting, and means for removably attaching said cover to said plate, said last named means including a bolt in axial alignment with said bolt extending through the wall.

2,629,511
LID FOR COOKING UTENSILS
 Lavern Gosnell, Los Angeles, Calif.
 Application March 3, 1949, Serial No. 79,351
 1 Claim. (Cl. 220-24)



In a spatter lid adapted for fitting on the circumferential wall of a frying pan, a hollow body having a cylindrical waist portion, a diametrically contracted skirt depending and offset from said waist portion, said skirt fitting concentrically within the circumferential wall of the pan and said offset forming a horizontal shoulder seating on the top edge of the wall, a domical head rising from the waist portion and provided with a substantially elliptical opening in one side thereof, said opening having its minor axis substantially corresponding to one-half the diameter of the waist and its major axis substantially corresponding to the diameter of the waist, a handle fixed on the covered domical upper part of the body, and a vertically tapered lip rising from an arcuate portion of the waist opposite the handle.

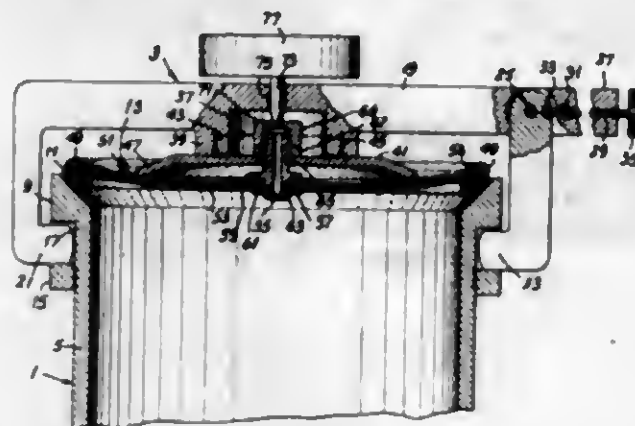
2,629,512
CAPESEAL
 Michael J. Quillinan, Bronx, N. Y.
 Application July 1, 1950, Serial No. 171,697
 5 Claims. (Cl. 220-27)



1. In a capseal and closure opening in combination, the capseal comprising a substantially flat bottom portion and a wall portion extending upward from the periphery of the bottom portion a substantial distance and connecting therewith, a tearing strip formed in the bottom portion by lines of weakness induced therein, the lines terminating on at least one peripheral edge of the bottom portion, the continuity of the wall portion in at least one area interrupted by at least one tearing ear extending outward from the tearing strip, the closure opening comprising a neck, a seat portion connecting with the neck and directed outwardly therefrom, the periphery of the capseal's bottom portion received on the seat portion, a free end extending upward from and connecting with the seat portion at the outer region thereof, and curling inwardly upon itself, the free end interrupted at points opposed to the capseal's tearing ear and defining a gap in the free end complementary to the tearing ear, the capseal's wall portion residing substantially within and along the curl of the free end, the capseal's lines of weakness terminating substantially at the interrupted sides of the free end portion.

2,629,513
PRESSURE RECEPTACLE AND CLOSURE THEREFOR

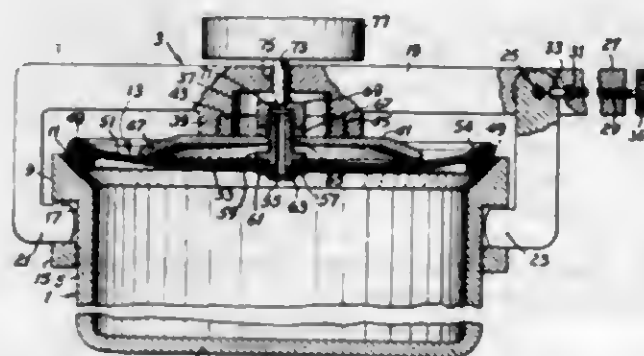
Jerome Ottmar, Attleboro, Mass., George A. Matteson, Jr., Providence, R. I., and Unto U. Savolainen, Attleboro, and Paul G. Chace, Attleboro Falls, Mass., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
 Application February 6, 1948, Serial No. 6,684
 15 Claims. (Cl. 220-57)



1. A pressure receptacle comprising a vessel having an exterior seat surrounding its mouth, a lid for the vessel comprising a dished, snap-acting thermostatic plate, means on the vessel centrally supporting the plate at and concentric with the mouth of the vessel, the periphery of the plate being freely movable with respect to the vessel so that the plate can snap between a first position wherein it is bowed away from the vessel and out of sealing engagement with said seat and a second position wherein it is bowed toward the vessel with its periphery in sealing engagement with said seat, and a generally annular fulcrum mounted upon the vessel in engagement with the exterior of the plate and substantially concentric therewith.

2,629,514
PRESSURE RECEPTACLE AND CLOSURE THEREFOR

Unto U. Savolainen, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
 Application February 6, 1948, Serial No. 6,714
 16 Claims. (Cl. 220-57)



1. A pressure receptacle comprising a vessel having an exterior seat surrounding its mouth, a lid for the vessel comprising a dished, snap-acting thermostatic plate carried at its center by the vessel at and concentric with the mouth of the vessel and with its periphery freely movable with respect to the vessel so that the plate

may snap between a first position wherein it is bowed away from the vessel and out of sealing engagement with said seat and a second position wherein it is bowed toward the vessel with its periphery in sealing engagement with said seat, and a generally annular fulcrum mounted upon the vessel in engagement with the exterior of the plate and substantially concentric therewith, the center of the plate being fixed relative to the fulcrum, the fulcrum being spaced from the fixed center of the plate so that the portion of the plate circumscribed by the fulcrum may bulge outward under internal pressure.

2,629,515
BOTTLE SUSPENSION DEVICE FOR FREEZING MOLDS
 Ragnar Asplund, Astoria, N. Y.
 Application June 1, 1951, Serial No. 229,418
 3 Claims. (Cl. 220-85)



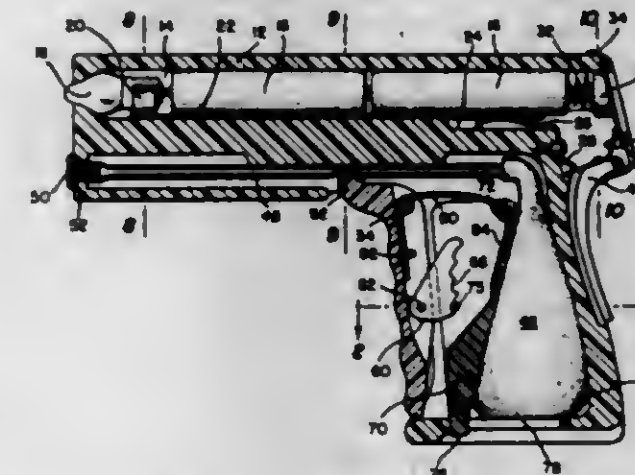
3. A bottle support comprising a mold for forming a block of ice around a bottle, said mold being provided on its upper edge with spaced lugs, a bottle-suspension device adapted to bridge the top of the mold and be centrally positioned by means of said lugs, said bottle suspension device comprising a pair of bars having opposed edges each provided with a notch to define a circular opening between them, said opening fitting around a bottle neck below the cap thereon and holding the bottle suspended in the mold with the bottom of the bottle elevated above the bottom of the mold, each bar having an angularly bent flange at each of its ends, the flanges on one bar overlapping those of the other bar and being pivotally connected thereto, the bars being capable of pivotal movement to separate the notched opposing edges and thereby increase the size of the circular opening defined by the notches and permit the bottle neck to be passed through said enlarged opening.

2,629,516
COMBINATION LIQUID PISTOL AND SPOTLIGHT

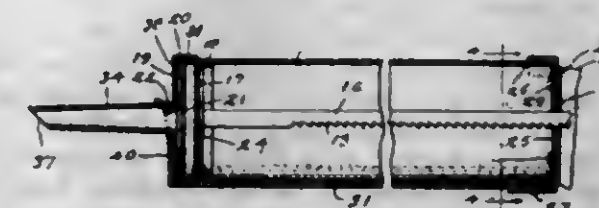
Lucretia E. Badham, Seattle, Wash.
 Application October 2, 1951, Serial No. 249,339
 4 Claims. (Cl. 222-79)

1. A combination liquid pistol and spotlight, comprising: a housing of non-metallic material including a barrel portion and a hand grip depending from the rear end of said barrel portion, said barrel portion having an upper and a lower bore; a light globe positioned in the forward end of said upper bore of a type having a lens forming a narrow beam of light; battery means in said upper bore in contact with the central terminal of said globe; a metal strip contacting the

side terminal of said globe and extending rearwardly alongside said battery means; said housing having a rear opening aligned with said upper bore; a metallic connector disc having a metallic compression spring bearing on the rear of said battery means and biasing the same toward said globe; a metallic contact member mounted to slide vertically in said housing past said opening and supporting said connector disc; a switch lever pivotally mounted on the outside of said housing at the upper rear portion of said grip to be pivoted inward when the user squeezes said grip; switch means connected to said switch lever disposed to connect said contact member and said metal strip to activate said globe when said switch lever is pivoted inward; said grip having a U-shaped cross section transversely with the base of the U at the rear of the grip; a bulb positioned in said grip; a nozzle member at the



2,629,517
CAULKING GUN WITH ATTACHING MEANS FOR REPLACEABLE CARTON
 David N. Slobin, Brooklyn, N. Y.
 Application July 18, 1951, Serial No. 237,352
 1 Claim. (Cl. 222-327)



In a caulking gun having a handle, a piston, and ratchet means for moving said piston, means supporting a magazine coaxial with said piston, said

supporting means comprising an elongated transversely curved supporting arm, a right angular plate at the inner end of said arm, upper and lower magazine holding arcuate flanges on said plate means securing said plate to the forward end of said handle, a second plate carried by the outer end of said arm and formed with an upwardly opening slot, a nozzle seating in said slot, a cap secured to said nozzle adapted to engage over the outer end of the magazine, and a transversely disposed inwardly convexed bead carried by said second plate, said cap having an inwardly concaved groove within which said bead removably engages whereby said nozzle will be held in axial alignment with said piston.

2,629,518 SELF-CLOSING AND SEALING CONTAINER CAP

Antonio D. Pedagno, Brooklyn, N. Y.
Application June 16, 1949, Serial No. 99,393
9 Claims. (Cl. 222-517)



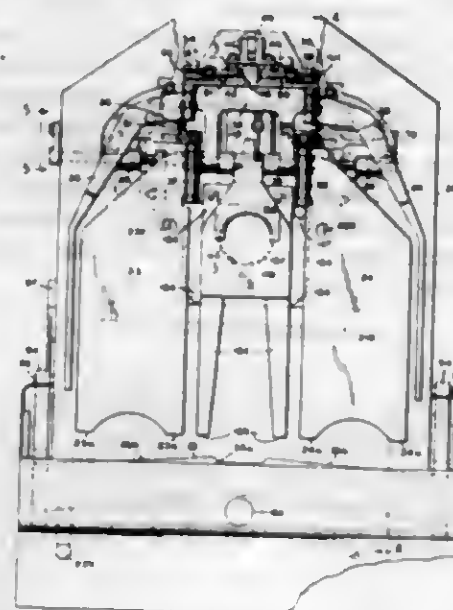
1. In a container having an upstanding neck formed with a top discharge opening, a closure comprising a shell structure having a top wall positioned on top of the neck closing the discharge opening and a depending arcuate side wall extending along one side of the neck, an elongated leaf spring having one end fixedly secured to the side of the neck at one end of said side wall with its width disposed vertically and having its other end projecting tangentially away from the neck, and an arm integral with the said one end of said side wall and projected tangentially along in face contact with one side of said leaf spring, said arm having its free end secured to the outer end of said leaf spring retaining said shell structure in a position in which its top wall closes the discharge opening.

2,629,519 SHIRT FOLDER

Edmund N. Neckel, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 26, 1950, Serial No. 186,876
19 Claims. (Cl. 223-37)

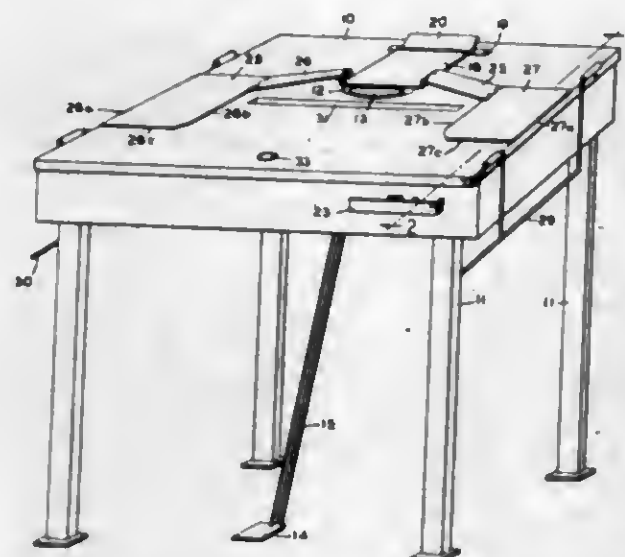
1. Folding means of the character described comprising a folding table, an arm support tiltable on an axis fixed with respect to said table, a wing support also tiltable on an axis fixed with respect to said table, a right and a left folding arm having respective axes of swing carried by said arm support, a right and a left folding wing having respective axes of swing carried by said wing support, both the wing axes of swing and the arm axes of swing being disposed in a direction substantially at right angles to the aforesaid axes of tilt, means for tilting said wing support independently of said arm support, the axes of swing of said wings being spaced to permit said wings to swingably converge inwardly to superposed folded registry, and to diverge outwardly

to unfolded position, the axes of swing of said arms being spaced to permit said arms to be



swung inwardly to folded position substantially at the axes of swing of said wings.

2,629,520
METHOD AND MEANS FOR FOLDING SHIRTS
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 26, 1950, Serial No. 186,731
13 Claims. (Cl. 223-37)



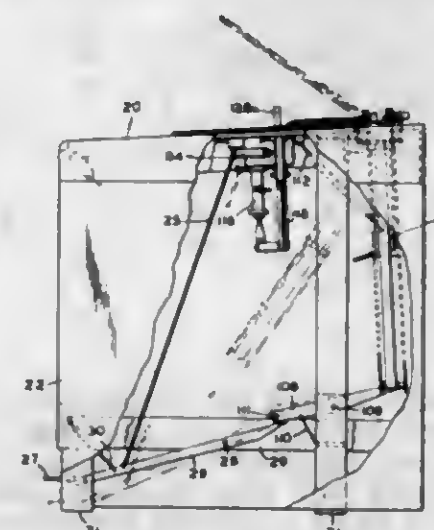
6. Apparatus for folding a shirt longitudinally comprising a support, a right and a left connecting arm, means for swingably attaching the inner ends of said arms at laterally spaced fixed points on said support, a right and a left folding wing, and means for hingedly connecting the inner edges of said wings with the outer ends of said arms.

2,629,521
POWER MEANS FOR FOLDING SHIRTS
George W. Johnson and John R. Petre, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 26, 1950, Serial No. 186,732
20 Claims. (Cl. 223-37)

1. Shirt folding means adapted to be superposed on a shirt to be folded comprising a right

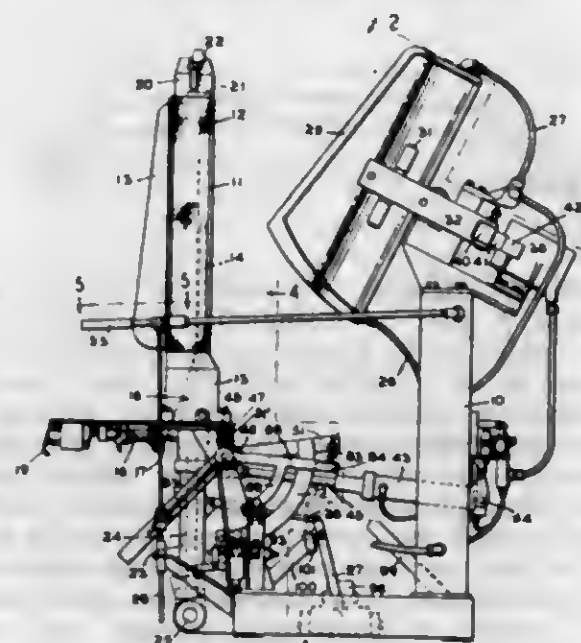
folding arm and a left folding arm swingably fixed on respective axes spaced apart a distance approximately equal to the width of the final folded shirt, a right folding wing and a left folding wing each hinged along its inner edge to the outer edge of the respective right and left arms, said wings being adapted to have respective side

pivot connection, each said buck being movable about said pivot connection into registration between its associated pair of said chests, power means connected to said bucks for oscillating said bucks about said pivot mounting into registration, and power means connected to said chests for pressing each of said pair of chests against a buck in registration between them.



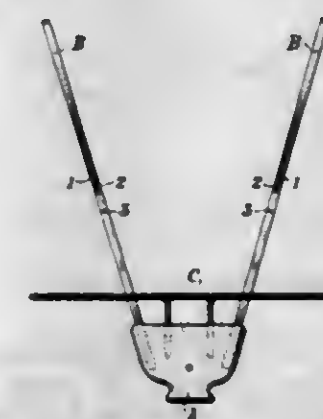
portions of the shirt wrapped therearound, power driven linkage operatively connected to said wings for swinging each said wing inwardly whereby to achieve an ultimate mutual overlap, and lost motion means in the linkage for one said wing whereby to cause inward swinging movement of the last said wing to lag behind inward swinging movement of the other said wing.

2,629,522
SLEEVE PRESS
Russell G. McLagan, Milford, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 9, 1950, Serial No. 184,035
12 Claims. (Cl. 223-57)



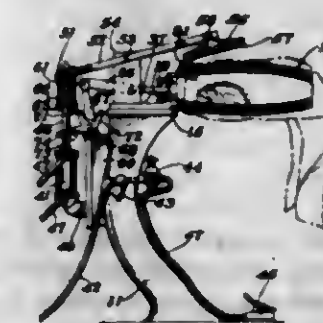
1. In combination, a frame, a pair of upright bucks having a generally vertical mounting on said frame, said mounting having a pivot connection at its lower end with said frame, said mounting having a slidable connection with each buck for guiding said bucks up and down relative to said frame, a pair of pressing chests for each said buck on the rear of said frame spaced from said bucks and spaced radially with respect to said

2,629,523
GARMENT DISPLAY DEVICE
Maria Alchberger, Vienna, Austria, assignor to Mathias Alchberger, Vienna, Austria
Application May 4, 1950, Serial No. 159,940
In Austria May 11, 1949
2 Claims. (Cl. 223-68)



1. Device for three-dimensional display of garments, comprising when viewed in front elevation a supporting member having two lateral garment-supporting notches, two shoulder strap carriers of straplike material, and a piece of wire shaped to support the garment bosom, each of said carriers consisting of a substantially straight portion and an adjacent open loop portion, the free end of said straight portion being fastened to the back of the supporting member, the straight portion extending from there upwardly and outwardly, the loop portion extending forwardly and downwardly and terminating intermediate of the vertex of the strap carrier and the supporting member, the free end portion of the loop being provided with bores for fastening the straps of the garment to be displayed, said piece of wire lying in a substantially horizontal plane and having its ends attached to the supporting member.

2,629,524
PRESSING MACHINE
Samuel Rosenthal, Cleveland, Ohio
Application May 28, 1949, Serial No. 95,447
10 Claims. (Cl. 223-73)



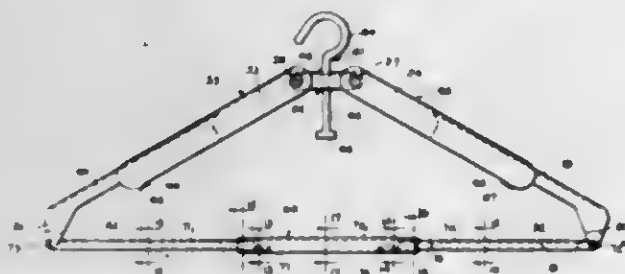
1. A machine for pressing the top portion of trousers and the like comprising a frame, a center heated form on the frame configured to shape the central part of the top portion of the trousers, and outer heated forms carried by the center

form adapted to shape the right and left parts of said top portion of the trousers, motor actuated means on the frame adapted to move the outer forms laterally to tighten them against the trousers and to retract the outer forms, and a pad pivotally mounted on the frame for holding the closure portion of the trousers against the center form as said trousers are being pressed.

2,629,525

GARMENT HANGER

Emily A. M. Peterson, Chicago, Ill.
Application April 24, 1948, Serial No. 22,979
2 Claims. (Cl. 223-89)

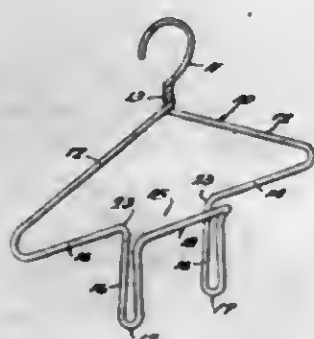


1. As a new article of manufacture, a garment hanger comprising a pair of arms of channel-shaped cross-section, a hinge-bar extending between the proximate end portions of said arms and telescoped within the channels of said end portions, pivot pins extending between the respective ends of the arm channels and the hinge-bar, a hook element, a suspending connection between the hinge-bar and the hook element, telescoping sections of channel-shaped cross-section slidably mounted within the two arm channels, means to limit the extending movements of the telescoping sections with respect to the arm channels, together with a cross-bar extending between the free ends of the telescoping sections and pivotally connected to said end sections, substantially as described.

2,629,526

CLOTHES HANGER

John E. Campbell, Lombard, Ill.
Application November 12, 1949, Serial No. 126,828
4 Claims. (Cl. 223-91)

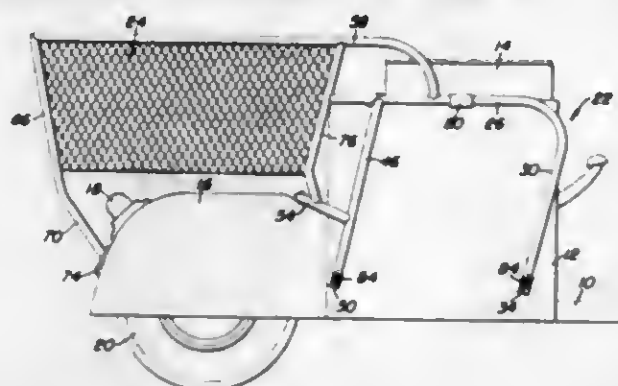


3. In a clothes hanger having a hook support, shoulder portions therebelow and a horizontal leg between said shoulders, said horizontal leg being turned downwardly, outwardly, and upwardly intermediate its center and each shoulder portion to provide two spaced loops connected by a tongue positioned centrally of said horizontal leg and forwardly of the portions thereof adjacent said shoulders.

2,629,527

CARRIER

Martin L. Brown, Shreveport, La.
Application June 7, 1950, Serial No. 166,636
5 Claims. (Cl. 224-32)



1. A luggage carrier for motorcycles comprising a luggage holder, front and rear mounting assemblies, said luggage holder being supported at its front and rear ends by said mounting assemblies, said front assembly including depending legs adapted for engagement upon the sides of a motor housing of a motorcycle and means adapted for engagement with the seat of a motorcycle, between the seat and gas tank thereof, said front assembly including a lateral, rearwardly curved member adapted to be disposed rearwardly of a motor housing and to rest upon and be secured to the upper surface of a rear fender of a motorcycle, said rear assembly including a bracket adapted for attachment to the rear fender of a motorcycle, upwardly and outwardly extending legs engaging said bracket and said luggage holder.

2,629,528

CLOTHES HANGER SUPPORT FOR AUTOMOBILES

William D. Vealey, Ephrata, Wash.
Application December 21, 1951, Serial No. 262,715
1 Claim. (Cl. 224-42.1)



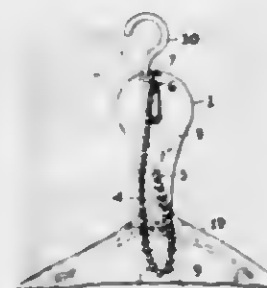
A garment hanger support for automobiles comprising a pair of holder members each including a rigid strap having an intermediate portion adapted to engage against a door head of an automobile, each holder member having an upwardly extending outer end portion adapted to bear against the outer side of the vehicle above the door head and an inner end portion extending inwardly of the vehicle from the door head, said inner end portion being disposed above and at a slight angle to the intermediate portion and in substantially a horizontal plane, said outer end portion being disposed at an acute angle to the inner end portion and being inclined upwardly and inwardly with respect to the intermediate portion, said intermediate portion including a downwardly extending U-shaped portion having one leg merging with the inner end portion of the holder member and adapted to accommodate a weather stripping of the door head between the legs of said U-shaped portion, said inner end portions of the holder members being apertured, and a taut flexible member com-

prising a chain, turnbuckle and hooks extending between and secured at its ends to the apertured inner end portions for maintaining the outer end portions of the holder members in upwardly converging positions relatively to one another to prevent disengagement thereof from the outer surface of the vehicle.

2,629,529

SUIT HANGER CARRIER

Clay L. Threton, Atlanta, Ga.
Application March 14, 1949, Serial No. 81,250
2 Claims. (Cl. 224-45)



2. A suit hanger carrier of the character described comprising, a flat stiff metal plate, a metal hook attached swingable to the plate and adapted for hanging the plate on a supporting element, a piece of leather strap attached by one end thereof to the top portion of the plate with its other end attached to the lower portion of the plate to thus form a handle adapted for carrying the plate, a piece of leather as a tab attached by one end thereof between the lower end of the handle strap and the plate, said tab being adapted for attachment to a suit cover for carrying same, a piece of ball-type metal chain attached by one end thereof in the said plate and extending from the face of the plate opposite the said handle, said chain having a pin attached to its free end, said parts being adapted to carry a plurality of suit hangers in said chain while the assembly is being carried by its handle, and said hook being adapted for hanging the assembly when not being carried by the handle.

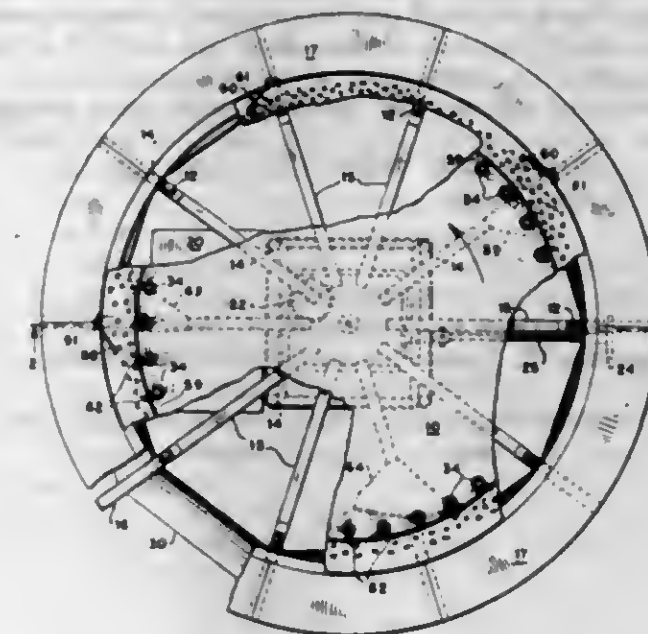
2,629,530

APPARATUS FOR PACKING ARTICLES ON A STANDARD

Harold J. Barnhard, Croton-on-Hudson, N. Y., assignor to Packase-Servease Corp., Buchanan, N. Y., a corporation of New York
Application February 16, 1952, Serial No. 271,966
4 Claims. (Cl. 226-14)

1. A device for packing edibles on a standard comprising a rotatable table having a plurality of circumferentially disposed apertures, a tubular carrier having a depending collar disposed over each of said table apertures and in frictional engagement with said table, a dish leaf spring having a centrally positioned opening disposed beneath said apertures of said table, a rotatable rod disposed in and secured to said carrier and traversing said aperture of said table and the opening of said spring, means for adjusting the

tension of said spring against said table, and means for rotating reciprocally said rod, where-

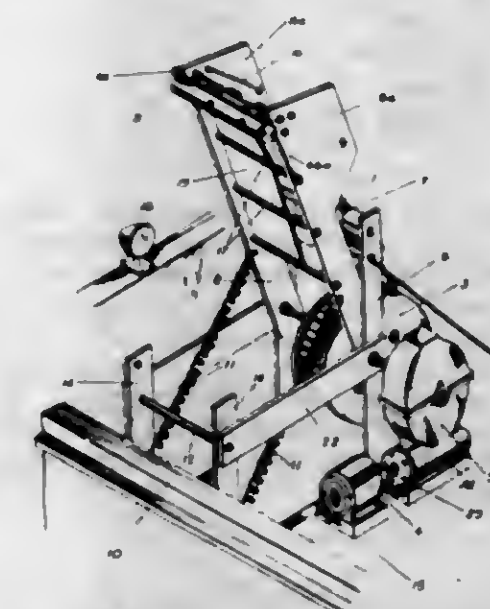


by packing of edibles on said standard is facilitated.

2,629,531

EMERGENCY FIRE ESCAPE SYSTEM

William Hakkarinen, Washington, D. C.
Application March 22, 1947, Serial No. 736,503
7 Claims. (Cl. 228-43)



1. An emergency fire escape system comprising a frame structure adapted to be supported on the roof of a building structure adjacent the side wall thereof, a ladder-guide frame pivotally mounted in said frame structure and angularly movable from a substantially vertical position to a substantially horizontal position projecting beyond the side wall of the building structure, said ladder-guide frame having a platform thereon with a pair of vertically extending protective side walls forming a pedestrian passage through said ladder-guide frame, a winding drum journaled in said frame structure, said winding drum carrying a flexible-ladder thereon, coacting ladder-guides on said frame structure and on said ladder-guide frame, a flexible-ladder wrapped on said drum and directed over said ladder-guides and through the pedestrian passage in said ladder-guide frame, said flexible-ladder being weighted at the free end thereof for enabling said ladder to be gravitationally lowered along the side wall

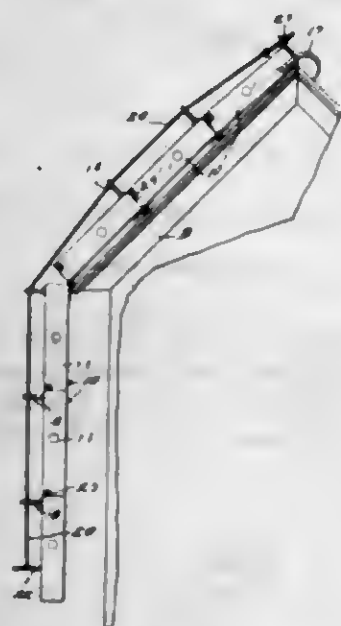
of the building structure when said ladder-guide frame is moved to a position projecting beyond the side wall thereof, drive means and a torque converter interposed between said drive means and said drum on said ladder-guide frame, whereby said ladder-guide frame may be moved from a substantially vertically disposed position to a substantially horizontal position and said ladder lowered and raised through said ladder-guide frame adjacent the pedestrian passage in said ladder-guide frame.

2,629,532

LADDER CONSTRUCTION

Gordon W. Tupper and Orville N. Mertz,
Rochester, Minn.

Application March 15, 1950, Serial No. 149,754
3 Claims. (Cl. 228-44)



1. A ladder of the kind described, comprising a plurality of rung-sections swingingly connected together end-to-end for flexing action with respect to each other, and an adjustable flexible means connected to the outmost sections of the plurality thereof for holding these in alignment with each other against flexing action, a rotatable lever secured on one of said outmost sections, one end of said flexing means being connected to said lever.

2,629,533

MOLDED FIBER ARTICLE

Merle P. Chaplin, South Portland, Maine, assignor
to Chaplin Corporation, South Portland, Maine,
a corporation of Maine

Original application February 8, 1941, Serial No.
378,078. Divided and this application April 18,
1945, Serial No. 588,967

2 Claims. (Cl. 229-2.5)



1. A molded pulp article comprising: an open faced fibrous pulp receptacle body, the inner surface of which has a "hot pressure die dried finish" and is smooth and unobstructed, an integral

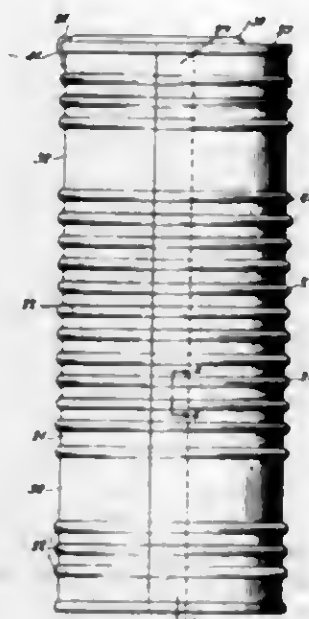
thickened reinforcing edge about the periphery of the receptacle body and also having a "hot pressure die dried finish," the wall of said body being exteriorly thickened at intervals to form solid integral ribs on the outer surface of said receptacle body extending outwardly and merging into said reinforcing edge, the outer surface of said receptacle body having a "hot pressure die dried finish" between the ribs and the ribs themselves having a "hot vapor dried finish."

2,629,534

CONTAINER

Julian L. Reynolds, Richmond, Va.

Application October 8, 1947, Serial No. 778,596
1 Claim. (Cl. 229-3.5)



A sealed metal container of aluminum foil having a thickness of from about 0.004 to about 0.006 inch thickness comprising a vertical tubular body having a vertical seam sealed by an adhesive, said body being provided with a plurality of elevated strengthening corrugations having an angle of curvature of about 40-60° with the vertical body wall, said angle being adapted to prevent stretching of the metal foil during the formation of said corrugations, a bottom seal disposed inwardly of said tubular body and secured thereto by a turned-over bead, and a top seal disposed upon the vertical tubular body and secured thereto by a top turned-over bead, said top seal having a pair of spaced-apart linear corrugations having opposed substantially vertical inner walls between which there is located an aperture being closed by a sealing member disposed between said linear corrugations and over a portion of said top turned-over bead, said sealing member consisting of a multiple-ply aluminum foil structure secured together by adhesive, said sealing member being re-sealable by frictional engagement with the substantially vertical inner walls of the linear corrugations.

2,629,535

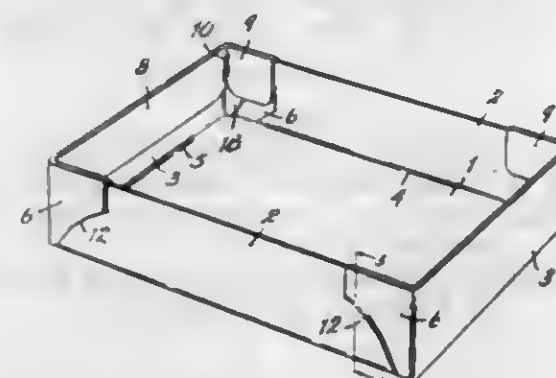
TRAY OR CARTON

Fred J. Ullrich, Kalamazoo, Mich., assignor to
Sutherland Paper Company, Kalamazoo, Mich.,
a corporation of Michigan

Application February 18, 1949, Serial No. 77,229
2 Claims. (Cl. 229-34)

1. A tray or box formed of an integral blank comprising a bottom, and side and end walls hinged connected thereto, and corner flaps

hingedly connected to the ends of the end walls, the end walls and corner flaps having flap extensions hingedly connected to their outer edges, the adjacent flap extensions of the corner flaps being hingedly connected to the ends of the flap extensions of the end walls, the side walls having slits opening at their end edges, said corner flaps having tongues on their side edges engageable with the portions of the side walls above the slits when the parts are erected, portions of the side walls above the slits constituting tongue-like members deflectable inwardly to facilitate insertion of the corner flaps and the tongues thereof through the slits and to facilitate the locking



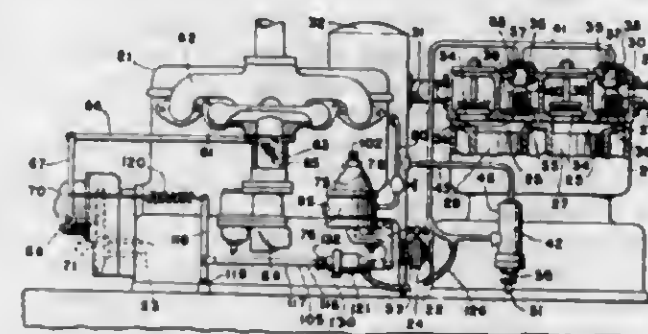
engagement of the tongues with the side walls with the bottom portions of the corner flaps on the inner sides of the side walls and upper portions thereof on the outer sides of the said deflectable portions of the side walls in supporting relation thereto, the said flap extensions of the end walls and corner flaps being folded inwardly with the corner flap extensions in supporting engagement with the inner sides of the said deflectable portions of the side walls, the end wall extension flaps being secured upon the inner sides of the end wall and disposed angularly relative to the corner flap extensions and acting to support the corner flap extensions against the inner sides of said deflectable portions.

2,629,536

CONTROLLING DEVICE FOR ENGINE DRIVEN COMPRESSOR UNITS

Charles S. Baker, Corning, N. Y., assignor to
Ingersoll-Rand Company, New York, N. Y., a
corporation of New Jersey

Application November 12, 1948, Serial No. 59,448
5 Claims. (Cl. 230-3)



1. In a controlling device for an internal combustion engine and a compressor driven thereby, a throttle valve for controlling the fuel supply for the engine having limiting positions corresponding to predetermined high and maximum engine speeds, a fluid actuated member serving as the sole power actuator for shifting the throttle valve, linkage for transmitting movement from

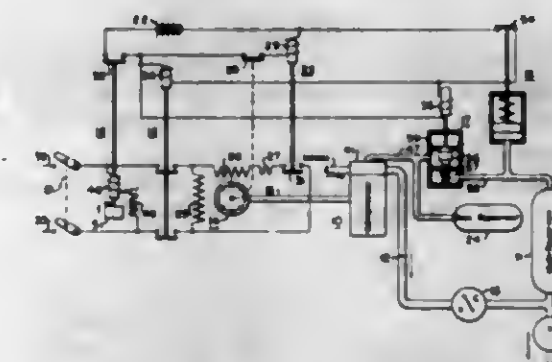
only the fluid actuated member to the throttle valve and to initially hold the throttle valve in an open position for causing operation of the engine at such predetermined high speed, valve means for varying the supply of pressure fluid to the fluid actuated member, control means operatively engaging the valve means acting constantly responsively to pressure variations in the compressor discharge pressure above a certain predetermined high value to vary the position of the valve means and thereby the position of the fluid actuated member for varying the speed-setting of the throttle valve in accordance with variations in the discharge pressure of the compressor and to cut-off the supply of pressure fluid to the fluid actuated member when the discharge pressure reaches a predetermined maximum value, and means yieldingly opposing the maximum speed movement of the fluid actuated member to position the throttle valve for operation of the engine at such predetermined high speed upon the attainment of the predetermined maximum discharge pressure.

2,629,537

COMPRESSOR MOTOR CONTROL SYSTEM

Herbert W. Graybrook, Irwin, and Esthel W. Ames, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 19, 1950, Serial No. 180,382
14 Claims. (Cl. 230-18)



1. In a control system, in combination, a fluid compressor having a fluid-actuated valve lifter therein, a motor for driving the compressor, power conductors, electrically controlled switching means for connecting the motor to the power conductors, a main reservoir connected to the compressor, an auxiliary reservoir connected to the valve lifter, electrically operated valve means for controlling the admission of pressure fluid from the main reservoir to the auxiliary reservoir, a fluid-actuated switch responsive to the pressure in the main reservoir for controlling the operation of said switching means and said valve means, and relay means responsive to the voltage across said power conductors for also controlling the operation of said switching means and said valve means.

2,629,538

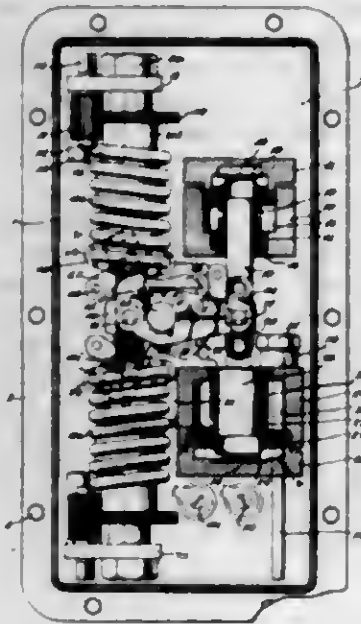
OSCILLATING ELECTRICAL COMPRESSOR

James B. Replogle, Waukegan, Ill.

Application May 6, 1948, Serial No. 25,423
10 Claims. (Cl. 230-48)

4. In a compressor, a pair of opposed compression cylinders, pistons operating in said cylinders, means connecting said pistons to cause them to operate in unison, a pivoted drive member connected to said means to actuate the same, electromagnetic means connected with said drive

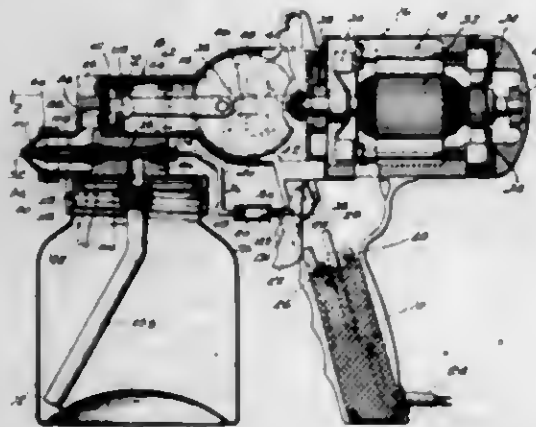
member to oscillate the latter about its pivot point, and opposed spring means pulling in opposite directions on said drive member on the



opposite side of the pivot point thereof, said spring means being adjusted so that each is always under tension regardless of the movement of said drive member.

2,629,539

MOTOR-DRIVEN COMPRESSOR UNIT
Menke Drewes, Jr., Chicago, Ill., assignor to Payswell Products Corporation, Chicago, Ill., a corporation of Illinois
Application December 30, 1947, Serial No. 794,764
2 Claims. (Cl. 230—58)



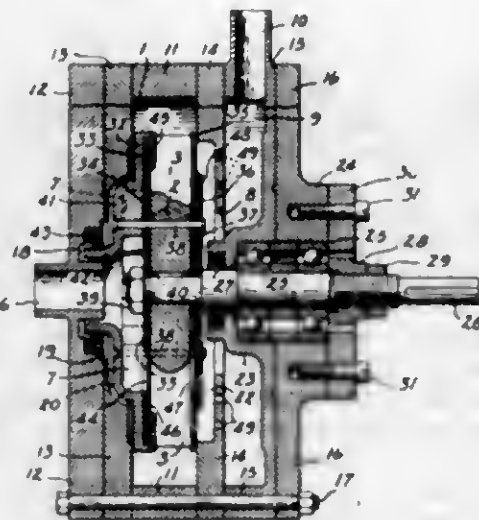
1. A motor driven compressor unit comprising a housing, an electric motor including a rotor therefor mounted within said housing, a pinion disposed within said housing and mounted on one end of said rotor and rotatable therewith, a support bracket disposed within said housing and positioned in spaced relation with respect to said pinion, said bracket and the axis of said rotor being disposed in substantially coplanar relation, a drive shaft rotatably mounted on said bracket and disposed in substantially perpendicular relation with respect to the plane formed by said bracket and the axis of said rotor, the ends of said drive shaft projecting from opposite sides of said bracket, the axes of said shaft and rotor being in substantially coplanar relation, a first drive wheel disposed within said

housing and on one side of said bracket and keyed to one end of said shaft, a second drive wheel and bevel gear combination disposed within said housing and on the opposite side of said bracket and keyed to the opposite end of said shaft, said bevel gear and pinion being in meshing relation, and a double piston compressor unit mounted within said housing and disposed in spaced relation with respect to said bracket and in substantial alignment with the axis of said rotor; said compressor unit comprising a first piston rod operatively connected to said first drive wheel at a point spaced from the axis of said wheel, and a second piston rod operatively connected to said second drive wheel and bevel gear combination and at a point spaced from the axis of said second drive wheel.

2,629,540

ROTARY SUCTION PUMP

Howard G. Beck, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 29, 1949, Serial No. 118,700
7 Claims. (Cl. 230—79)

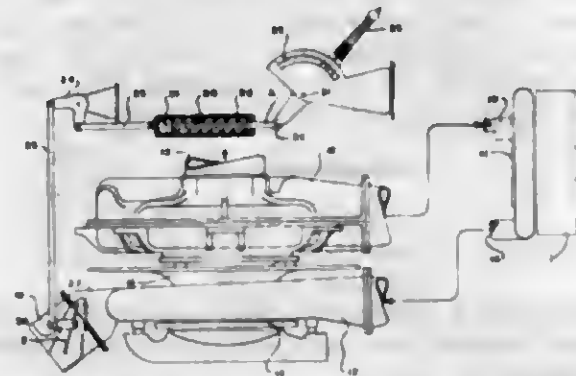


1. A rotary suction pump comprising a pump chamber with a peripheral wall and side walls, each side wall having a central opening, one of said openings providing an inlet and the other an outlet, a rotor having a periphery that is spaced at different distances from circumferentially spaced portions of said peripheral wall, said rotor having spaced side walls the radial outer portions of which have close clearance throughout the rotor circumference with the chamber side walls, said rotor having liquid impelling vanes extending across the space between said side walls to form displacement chambers opening to the rotor periphery, each rotor side wall having an opening to each of the displacement chambers, said rotor side wall openings being spaced inwardly from the periphery of the rotor and connecting each displacement chamber with said inlet and said outlet, and elastic rubber diaphragms normally closing said rotor openings, one of said diaphragms being secured to the interior of the rotor side wall on the inlet side and another of said diaphragms being secured to the exterior of the rotor side wall on the outlet side, said diaphragms being secured to said walls radially inwardly of the opening and between successive openings, the portion of each diaphragm overlying each opening being stretchable and movable away from the opening by fluid pressure upon the portion thereof covering the opening.

2,629,541

TURBOSUPERCHARGER WASTE GATE CONTROL

Raymond E. Couture, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application July 20, 1945, Serial No. 606,233
10 Claims. (Cl. 230—114)

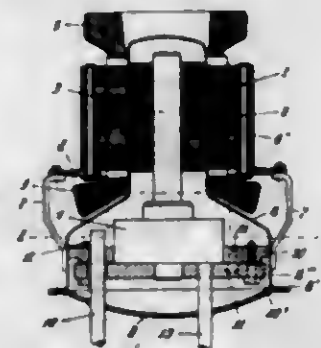


1. Control mechanism for the turbo-supercharger of an internal combustion engine having an excess exhaust gas discharge passage, comprising a waste gate mounted in said passage for controlling the discharge of excess exhaust gas from the supercharger turbine, means movably mounting said waste gate in said discharge passage to permit movement of said waste gate toward open position therein solely by pressure exerted directly on said waste gate by such exhaust gas impinging said waste gate, means operable to exert a continuous force on said waste gate urging it toward closed position, for establishing an equilibrium position of said waste gate wherein the force of the exhaust gas pressure and the force exerted by said control mechanism are balanced, and means operable to alter the application of force to said waste gate, thereby to disturb the balance between the force of the exhaust gas pressure and the force of said force exerting means to effect movement of said waste gate to a different equilibrium position.

2,629,542

MOTOR-DRIVEN COMPRESSOR

Hans Dietler, Schwanden, Switzerland, assignor to Thorma Fabrik für elektrische Heizung A. G., Schwanden, Switzerland, a Swiss company
Application March 12, 1949, Serial No. 81,158
In Switzerland March 12, 1948
1 Claim. (Cl. 230—117)



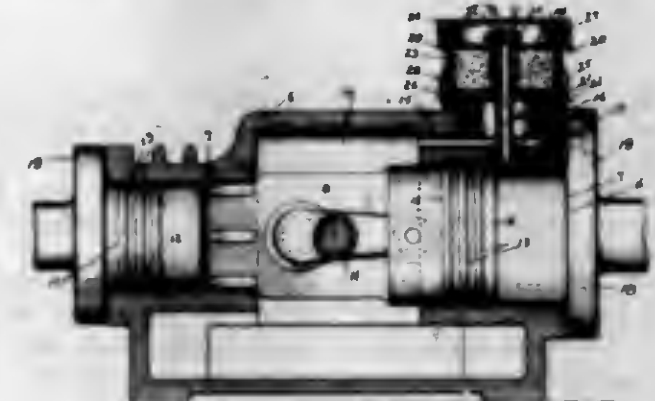
In a combined motor-compressor assembly; the combination of a motor stator defining a central hollow space, a stepped cylindrical sheath having a small diameter portion fitting closely into said hollow space and an integral and coaxial large diameter portion, said sheath being axially open at the end defined by said large diameter portion and closed at the opposite end thereof, a rotor

adapted to be rotatably enclosed in said small diameter portion of the sheath, a rotary compressor operatively connected to said rotor in axial alignment with the latter and adapted to be disposed within said large diameter portion of the sheath, a mounting ring fixedly secured within said large diameter portion of the sheath and having an internal diameter sufficient to permit said rotor and compressor to pass there-through, a supporting plate for said compressor having a diameter less than that of said large diameter portion of the sheath but greater than said internal diameter of the ring to abut against the face of the latter directed toward said open end of the sheath, means for detachably securing said supporting plate to said mounting ring with said rotor and compressor centered relative to said hollow space defined by the stator, and closure means for sealing said open end of said sheath.

2,629,543

COMPRESSOR

Pietro Maniscalco, Chicago, Ill.
Application December 11, 1947, Serial No. 791,023
2 Claims. (Cl. 230—172)

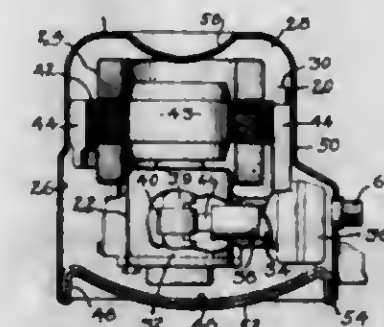


1. In a compressor, a cylinder, a piston mounted for reciprocation therein and a crank case to contain fluid under pressure, a wall of said cylinder having a bore communicating at one end with said crank case, a filtering element on said cylinder having an opening in one end in communication with the opposite end of said bore, a hollow rod having one end communicating with the interior of said cylinder and its opposite end extending into said filtering element, and filter means in said element opening.

2,629,544

REFRIGERATING APPARATUS

Grayston R. Ohmart, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application December 17, 1947, Serial No. 792,171
5 Claims. (Cl. 230—232)



1. In a machine, operating mechanism generating heat and noise, a sheet metal casing en-

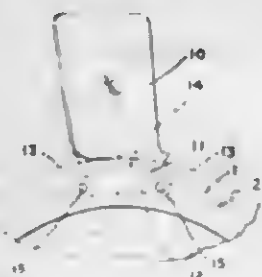
closing said mechanism having top, side and bottom walls, and a sheet metal cover complementarily fitting over and in contact substantially with the entire top and side walls of said casing substantially down to the bottom thereof to absorb audible vibrations and to conduct the heat generated by said mechanism to outside atmosphere.

2,629,545

COMBINED FAN AND POWER TRANSMISSION SHEAVE

Warren A. Stewart, Granby, Mass., assignor to Worthington Corporation, a corporation of Delaware

Application November 12, 1949, Serial No. 126,904
4 Claims. (Cl. 230-241)

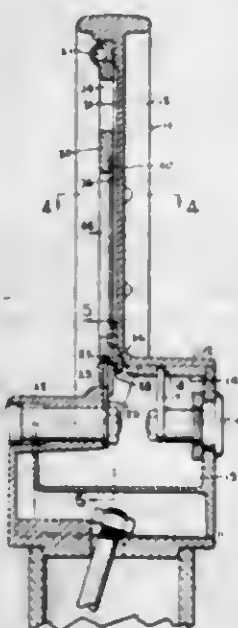


1. In combination with a power transmission sheave having an annular V-groove in its perimeter, of a fan blade, said fan blade having a V-shaped extension formed on its inner end for fitting in said groove, and means embedded in said V-shaped extension for attaching said V-shaped extension to said sheave, said fan blade being thickened at and near its junction with said V-shaped extension and being disposed in acute angular relation to said V-shaped extension.

2,629,546

COIN COLLECTION DISPLAY DEVICE

Leo E. Van Lahr, Cincinnati, Ohio
Application April 18, 1949, Serial No. 88,137
4 Claims. (Cl. 232-9)



1. A coin collection display device comprising a housing having a vertically disposed panel and a coin receptacle at the bottom thereof, said panel having on a face thereof a vertically disposed coin slot open at the upper end thereof, a door disposed to lie flatwise against the slotted face of said panel, said door being hinged at its

upper end on said housing and having an aperture adjacent to the top of said slot through which a coin may be inserted into the slot, said door also having a projection disposed to underlie said coin slot and support the intended coin therein when in said normal position, said door having a window that is coextensive with the coin slot through which coins in the slot may be viewed, a rotatable latch engaging said door, said latch movable to engage said door and lock said door in one position and to permit limited movement of said door and projection thereof in a second position to discharge coins into said receptacle, and a key actuated lock for turning said latch.

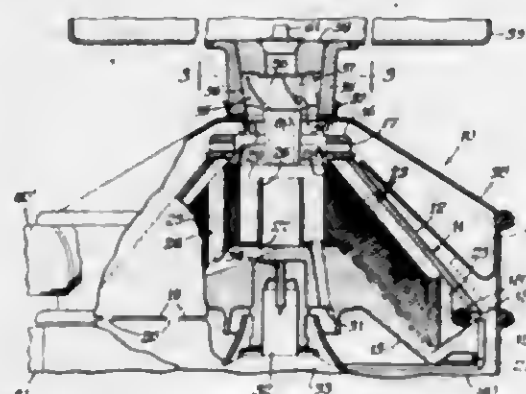
2,629,547

POWER WASHING CENTRIFUGAL SEPARATOR

John R. Orelind, Wilmette, Ill., assignor to International Harvester Company, a corporation of New Jersey

Original application September 8, 1947, Serial No. 772,837. Divided and this application July 31, 1951, Serial No. 239,430

5 Claims. (Cl. 233-1)



1. A power washing centrifugal separator comprising a rotatable bowl, a pack of frusto-conical discs within said bowl, said discs having center holes, the inner peripheral edges of which are in substantial axial alignment with one another to form a substantially cylindrical space extending axially of said bowl, the combination therewith of a liquid supply container positioned above said bowl, a discharge conduit on said supply container, and a stationary deflector means supported on said discharge conduit, said deflector means including a fluted member arranged above the cylindrical space of said bowl to receive and direct quantities of washing liquid from said discharge conduit radially outwardly against the inner peripheral edges of said discs.

2,629,548

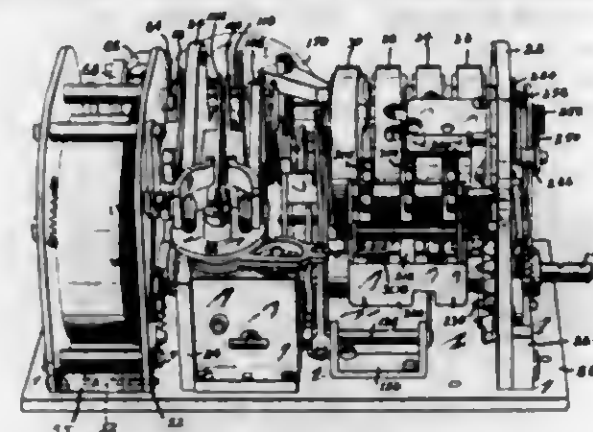
TAXIMETER

Ralph A. Miller, Dayton, Ohio, assignor, by mesne assignments, to The Dayton Taximeter Co., a corporation of Ohio

Application April 5, 1949, Serial No. 85,659
10 Claims. (Cl. 235-30)

1. In a taximeter, a drive shaft which is adapted to be connected to the speedometer cable, a driven shaft, a wobble plate carried by said drive shaft, a ratchet wheel carried by said driven shaft, pawl means having a first portion riding on said wobble plate and a second portion arranged to drive said ratchet wheel in response to rotation of said wobble plate, means for adjusting the angle of the wobble plate whereby the speed ratio between said driven shaft and said

drive shaft may be varied, fare indicating means operated in response to rotation of said driven shaft, mileage indicating mechanism, and power



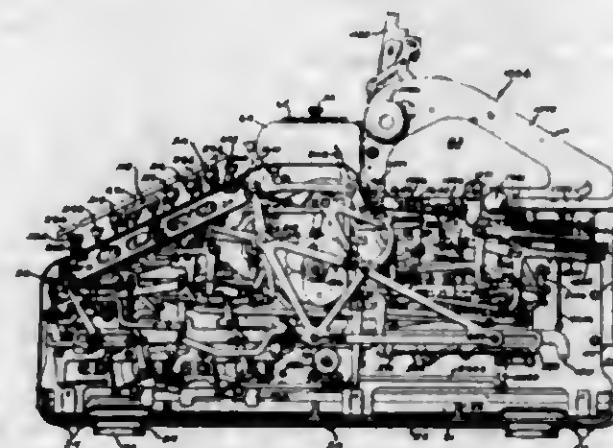
transmitting means between said drive shaft and said indicating mechanism, said power transmitting means comprising a Geneva drive having a fixed drive ratio.

2,629,549

AUTOMATIC FUNCTION CONTROL MECHANISM FOR ACCOUNTING MACHINES

Thomas M. Butler, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application July 19, 1950, Serial No. 174,696
23 Claims. (Cl. 235-60.47)



1. An accounting machine having means to drive it through cycles of operation, a plurality of function-performing mechanisms controllable to vary the function-performance of said mechanisms in cycles of operation of the machine, a carriage movable to a plurality of positions, and means operable by the machine in a cycle of operation of the latter to variably control the function-performance of said mechanisms in accordance with the positions of said carriage, said control means comprising control devices mounted in a stationary portion of the machine, control connections from said devices to control said function-performing mechanisms, means operable by the machine in a cycle of operation of the latter to actuate said control devices, a plurality of sets of control elements carried on said carriage to cooperate with said control devices when the latter are actuated to control operation of said control connections by said control devices, supporting means on which said control elements are mounted, means to mount said supporting means on said carriage for movement relative thereto, and manipulative means to move said supporting means to a plurality of predetermined control positions relative to said carriage, said control elements being

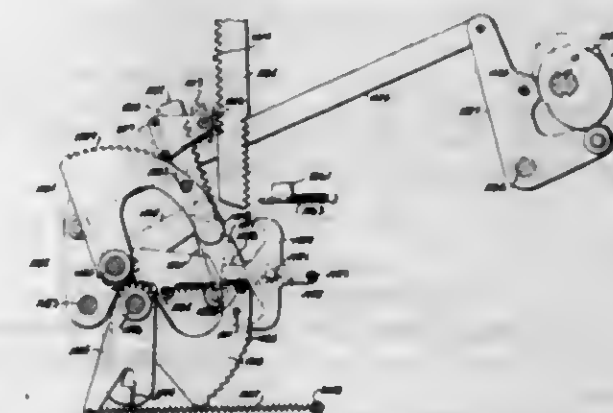
arranged on said supporting means so that in the different predetermined control positions of said supporting means on said carriage, the control elements of different sets are positioned for cooperation of predetermined elements of the respective sets with predetermined ones of said control devices in predetermined positions of said carriage, whereby any desired one of a plurality of automatic function-control programs may be rendered effective by manipulation of said manipulative means.

2,629,550

CALCULATING MACHINE

Edward P. Drake, Glendale, and Richard S. Mark, Arcadia, Calif., assignors to Clary Multiplier Corporation, San Gabriel, Calif., a corporation of California

Application June 12, 1950, Serial No. 167,612
11 Claims. (Cl. 235-61)



1. In a calculating machine, a first device movable to any of a plurality of positions, a second device movable to any of a plurality of positions corresponding to any of said first mentioned positions, means controlled by said first device for arresting said second device in a position corresponding to a position occupied by said first device, means for moving said first device, means including a cam device for controlling the speed of movement of said first device, means for selectively arresting said first device in any of said positions, means for moving said second device, and means including said cam device for controlling the speed of movement of said second device.

2,629,551

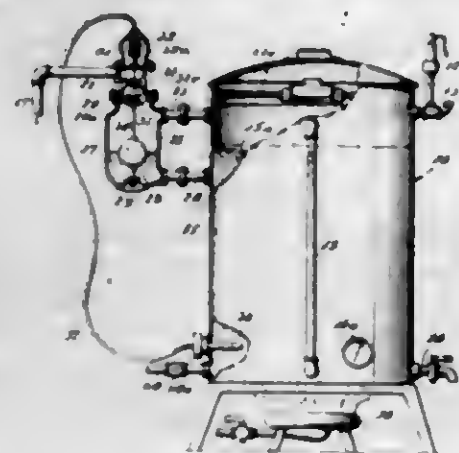
METHOD OF OPERATING CONTROLS FOR HOT WATER TANKS OR URNS

Frank Audino, Jackson Heights, N. Y.
Original application July 17, 1948, Serial No. 39,318. Divided and this application November 1, 1949, Serial No. 124,846

1 Claim. (Cl. 236-12)

The herein before described method of replenishing hot water urns during the use thereof, which consists in subjecting a body of heated water under atmospheric pressure, with a fixed upper level to a substantially constant heat input, diminishing quantitatively said body of water by a periodic discharge from said urn at its lower end lowering said level in said container, simultaneously subjecting said upper level of said diminished body of water after any such periodic discharge diminishment to a periodic fresh water input in quantities proportioned to the rate of said heat input to the diminished body of water, and continuing said water input until the level of said body of water returns to said fixed upper

level, whereby the added fresh water temperature is raised to said diminished body of water temperature by its descent in the diminished body of hot water and by said continuing constant heat input, without substantially lowering the temperature of the lower portion of said body



of water at its discharge, the temperature of which fresh water after such addition of said fresh water is maintained substantially within the temperature of the undiminished body of water, with the boiling point as the upper limit, while being periodically discharged.

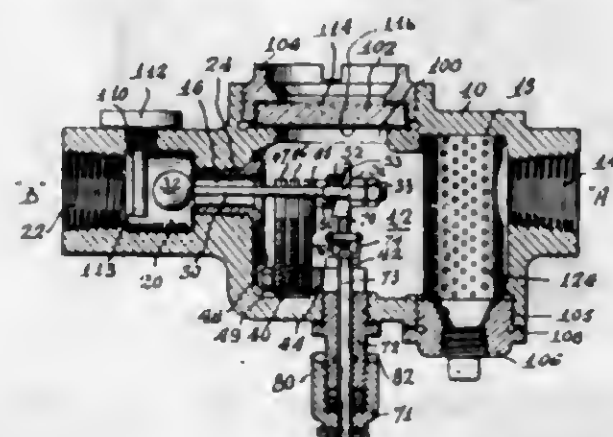
2,629,552 CONTROL SYSTEM

Paul S. Dickey, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 26, 1949, Serial No. 123,776
13 Claims. (Cl. 236-23)



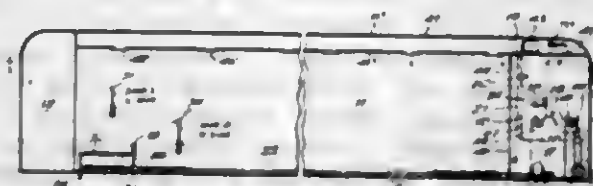
2. A system of control for the application of an agent, including in combination, means for determining the value of variables of a condition dependent upon the agent, means for expressing the value of the variables as fluid pressures, means for expressing the relation between said fluid pressures as a resultant fluid pressure, means for expressing said resultant fluid pressure as an electric value, a magnetic fluid coupling under control of said electric value, a source of constant power input to said magnetic fluid coupling, and means positioned in accordance with the coupling output for control of the agent and simultaneous reduction of the electric value so that the agent will be applied to the condition at a rate determined by the magnitude of the resultant fluid pressure.

2,629,553 UNIVERSAL STEAM TRAP Adolf Karel Velan, Montreal, Quebec, Canada Application February 23, 1951, Serial No. 212,333 7 Claims. (Cl. 236-59)



2. A steam trap, comprising, a body provided with a fluid chamber, said body also being provided with inlet and outlet passages to the chamber, the outer end of the outlet passage being provided with a valve seat, a valve member having an elongated integral stem extending from a tail end within the chamber to an outstanding closure head beyond the outside end of the outlet passage and adjacent to the valve seat, valve-operating means including a thermostatic member, said thermostatic member comprising a plurality of bimetallic segments, the segments being clamped together at one end only, the unclamped portions of the segments being free for independent movement on activation, a first of said segments operatively linked to the valve stem, said segments all being deflectable by the temperature of saturated steam, the segments being individually spaced whereby initially said first segment acts to close the valve on low pressure-temperature steam while subsequent segments are in inactive position spaced from said first segment, said valve when closed preventing further movement of said first segment while the subsequent segments deflect further through said spacing into operative contact with the first segment developing additional force, the segments in this way acting in sequential order to follow substantially the temperature-pressure curve of saturated steam.

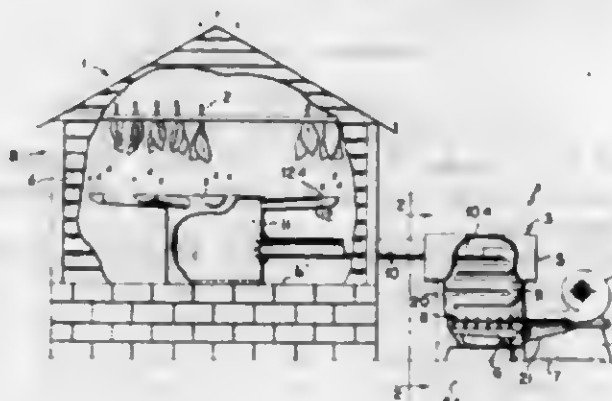
2,629,554 HOT-WATER HEATING SYSTEM Laurance H. Gillick, Evanston, and Timothy J. Lehane, North Riverside, Ill., assignors to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware Application October 17, 1950, Serial No. 190,606 7 Claims. (Cl. 237-8)



1. A heating system for heating an enclosed space comprising a closed circulating system for a heating medium comprising an intermittently

operated heater, a plurality of main heat radiators connected in series with each other and with said heater and adapted to deliver heat into said space, means for circulating heating medium through said heater and main radiators, electrically energized means including a thermostat responsive to the temperature of the enclosed space as a whole for controlling the operation of said heater, auxiliary radiators connected in parallel with said main radiators for augmenting the delivery of heat at predetermined locations in said space, and electrical circuit means including a thermostat responsive to the temperature of the area of the space served by said auxiliary heaters for controlling the operation thereof.

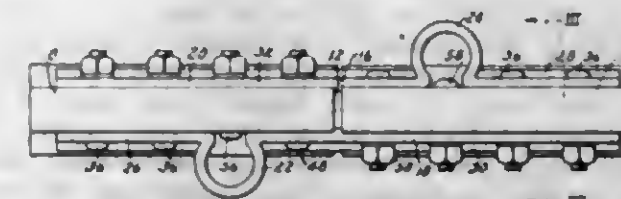
2,629,555 CURING OF GREEN TOBACCO LEAVES James E. Jones, Farmville, N. C., assignor of forty-five per cent to T. C. Hughes, Green County, N. C. Application March 14, 1950, Serial No. 149,500 4 Claims. (Cl. 237-53)



1. A tobacco barn heating system comprising an air heating unit external of the barn, said unit having an air conduit traversing the unit in a sinuous path with the conduit positioned relative to a battery of controllable burners for heating the air content of the conduit; a motor driven fan for supplying air to the conduit with the motor controllable as to speed for controlling the rate of movement of the air through the conduit within the unit to thereby control the temperature of the air delivered by the unit; and an air tempering and distributing formation within the barn and in open communication with said conduit, said formation including an air tempering and distributing element positioned on the floor of the barn, said element being dimensioned relative to the discharge areas of the element to provide a chamber oversize as to volume of air required for distribution per unit of time to thereby produce a residual air content within the chamber in excess of that required for the distribution and into which residual content the conduit discharges, said element additionally having a plurality of radially extending tubular arms terminating in upwardly opening permanently open discharge ports individual to the arms and forming the sole discharge ports of the element, the inner ends of the arms being in open communication with the upper zone of the tempering chamber, said conduit opening into a side wall of said chamber within a lower zone thereof and remote from the outlets to the arms and forming the sole air supply for the element chamber, the dimensions of the chamber being such that the heated air from the conduit is delivered directly

into the residual air of the chamber to create a turbulence condition therein to thereby temper the delivered air prior to its entry into the respective arms, whereby control of the motor speed is effective to control both the speed of delivery of air within the barn and the temperature of the air delivered for curing purposes.

2,629,556 RAIL JOINT BAR AND RAIL JOINT PREPARED THEREWITH Joseph F. Causey, Pittsburgh, Pa. Application July 5, 1950, Serial No. 172,072 1 Claim. (Cl. 238-259)

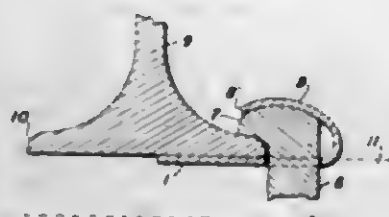


A rail joint comprising two rails laid end to end, the ends of the rails having faces substantially vertical to the length of the rails, the ends of the rails being separated slightly to accommodate thermal expansion and contraction of the rails, each rail having a head, a base wider than the head, and a thin web connecting the head and the base, means for joining the ends of the two rails to restrain lateral and vertical movement and misalignment of the rails while allowing longitudinal movement of the rail ends due to such thermal change in rail length, said means comprising two longitudinally asymmetrical joint bars each joined by bolts to both of the ends of the rails meeting at the joint, each joint bar having an expansion loop asymmetrically located therein to provide a short leg on one side and a long leg on the other side of the loop, the loop of one joint bar being located along one rail at a point removed from the end face of the rail and the loop of the other joint bar being located along the other rail at a point equally removed from the end face of the said other rail, the short and long legs being provided with flange portions fitting under the head and upon the base of the rails, the flanges spanning the space separating the rails so that the long legs of the joint bars function as a girder to support the rail ends and to distribute loads applied to the rails without undue lateral or vertical movement taking place, the shorter legs having bolt apertures therein, similar bolt apertures in the rail web and corresponding apertures at the end of the long legs of each joint bar, these apertures being of such size that applied bolts will fit the apertures closely, the clearance between the bolts and these apertures being insufficient to accommodate the relative expansion and contraction of the rails with respect to the joint bars, at least two other bolt apertures in that portion of each long leg adjacent the expansion loop, one bolt aperture being on each side of the space between the rail faces, said other bolt apertures being at least longitudinally larger than the first mentioned apertures in order to allow for relative thermal expansion and contraction, bolt apertures in each rail web aligned with said other apertures, and bolts applied through said other apertures, the expansion loops enabling the rail ends to expand and contract without the bolts applied to the ends of each joint bar being subject to or allowing movement of the joint bars to the rails.

2,629,557

RAILROAD SPIKE AND RETAINER FOR THE SAME

Albert Rosenberg of Michael, Baltimore, Md.
Application October 11, 1947, Serial No. 779,262
2 Claims. (Cl. 238-310)



2. The combination with a tie and a rail provided with a base seated in a predetermined position on the upper face of said tie, a spike provided with a head and a shank below said head, said shank driven into the upper face and vertically into said tie to permit the underside of said head of said spike to engage the upperside of said base of said rail, and a horizontal retainer means for said spike to hold it in its predetermined position in said tie, and said retainer means being detachably secured to said shank of said spike and below said head of said spike, said retainer means comprising a flat upper surface horizontal plate like element provided with integral shoulder means whereby to secure itself to said shank of said spike and extending under said rail and in cooperation with said rail for a distance greater than the underside of said head of said spike overlaps the upperside of said base of said rail, said plate like element being provided with a bifurcated part having an elongated slot therein open at the end adjacent to said tie and a closed end at the opposite end of said slot, the first portion of said slot adjacent the closed end having an area substantially equal to the cross section of said shank of said spike, a second portion of said slot having a width less than the width of said shank of said spike, thereby providing the aforesaid integral shoulder means for rigidly securing the retainer element horizontally to said shank of said spike, said retainer element adapted to be driven under said base of said rail and crosswise of said tie to engage the underside of said base of said rail, said bifurcated slot spanning the shank of said spike and automatically securing said retainer element to said shank of said spike, and a second part of said retainer element extending beyond the outer face of said spike on the side opposite said rail and thence upwardly, inwardly and downwardly above and adjacent the top of said head of said spike.

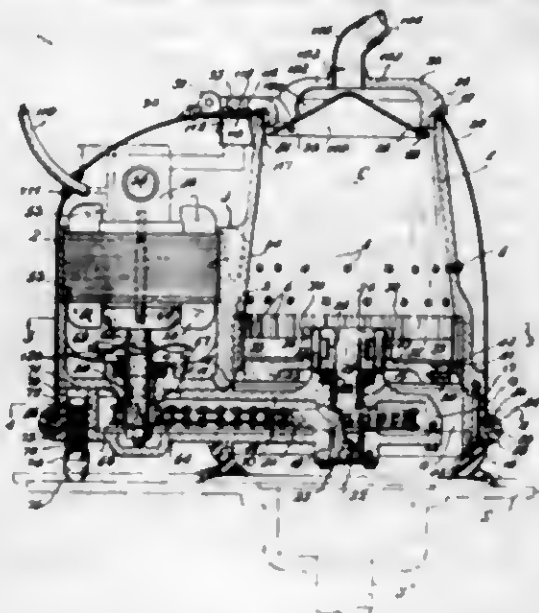
2,629,558

GARBAGE DISPOSAL DEVICE

Daniel W. Miller, Lakewood, Ohio, assignor of one-half to Edward G. Brown, Lakewood, Ohio
Application May 19, 1948, Serial No. 27,881
6 Claims. (Cl. 241-46)

3. In a garbage disposal device, a housing enclosing a grinding chamber that is open at top and bottom, grinding mechanism disposed within the open bottom of said housing and including a vertical shaft extending downwardly therefrom, a motor housing adjacent one side of and connected to the first mentioned housing, an electric motor contained in the motor housing and arranged with its shaft vertical and with the lower end thereof in substantially the horizontal plane of the corresponding end of the former shaft, driving connections between the lower ends of the shafts, and a bottom structure applied to

the lower ends of said housings and including a casing enclosing said driving connections, the



2,629,559

YARN PACKAGING DEVICE

Héctor L. Ayala, Ocotlan, Mexico, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 28, 1948, Serial No. 67,651
1 Claim. (Cl. 242-43.7)



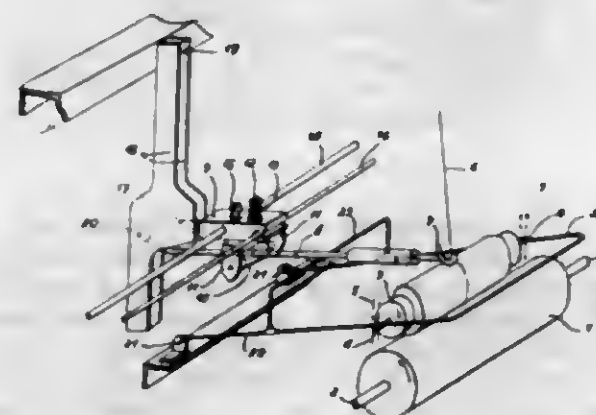
In a device for producing yarn packages wherein there are employed a rotatable spindle for carrying a yarn bobbin, a reciprocating ring rail for traversing yarn on to said bobbin, a rotatable shaft, a traverse arm fixed to the rotatable shaft, a rod carrying an adjustable counterweight fixed to said rotatable shaft, a lifter arm fixed to the rotatable shaft, a lifter rod connected to said lifter arm and to said ring rail for raising and lowering said ring rail, a rocker arm connected to said traverse arm by means of a traverse connecting strap, an arm for pivotally supporting said rocker arm, a slot in said supporting arm for initially adjusting the fulcrum point of said rocker arm with respect to said supporting arm, a cam contacting said rocker arm for actuating said rocker arm to reciprocate said ring rail to produce a chaser motion with a traverse stroke of uniform length, means for rotating said traverse cam, a second cam, means connected to the second cam and to the means for rotating said traverse cam for rotating said second cam in timed relation to said traverse cam, a frame connected to said supporting arm within which said second cam is rotated, said frame being movable by said second cam, and bearings slidably supporting said frame and said supporting arm for movement back and forth in a straight line by said

second cam to continuously shift the position of the fulcrum point of said rocker arm whereby a builder motion is superposed on the chaser motion by a progressive raising and lowering of the path of the uniform traverse stroke of said ring rail relative to the yarn bobbin.

2,629,560

TRAVERSE DEVICE

Marius Abbe, Lyon, France, assignor to Societe Industrielle pour la Rayonne "S. I. P. R. A.," Paris, France, a French joint-stock company
Application March 18, 1949, Serial No. 82,137
In France March 23, 1948
3 Claims. (Cl. 242-43)



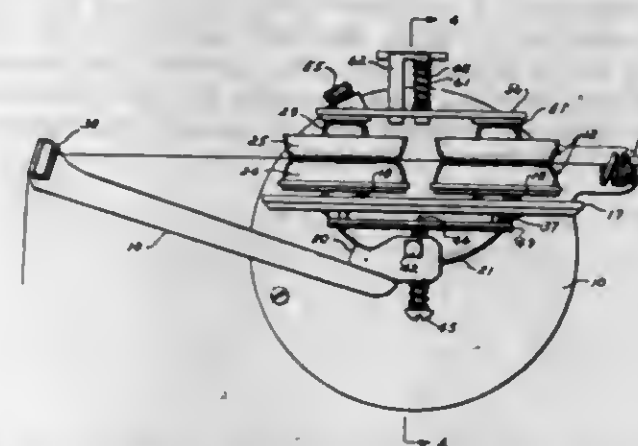
1. A winding machine for threads, yarns and the like, comprising in combination a substantially horizontal rotating drum adapted to support and to frictionally drive a bobbin provided with an axial spindle; vertical guiding means above said drum for said spindle; a reciprocable thread guide adapted to be reciprocated along the length of said bobbin substantially at the upper part thereof; an arm to carry said thread guide, said arm being substantially perpendicular to the axis of said bobbin when said thread guide is at the mean position of its stroke; a carriage to which said arm is orbitally pivoted, said carriage being reciprocated in a direction substantially parallel to the axis of said bobbin; a frame pivoted along an axis parallel to the axis of said bobbin and resting on the ends of said bobbin spindle; a transverse bar carried by said frame and adapted to slidably support said arm, said bar being so disposed on said frame that said thread guide remains in close but non-contacting relation with respect to the outer layer of threads or yarns on said bobbin irrespective of the diameter of the latter; a lever oscillatable in a plane substantially perpendicular to the mean position of said arm; means to oscillate said lever in unison with said carriage; and means on said lever to orbitally and slidably engage said arm at a distance from the connection thereof with said carriage.

2,629,561

YARN TENSIONING DEVICE

Edward J. Helzer, Mountain Lakes, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application December 30, 1949, Serial No. 135,910
16 Claims. (Cl. 242-45)

1. A device for tensioning yarn comprising a pair of disc members for receiving the yarn therebetween, yieldable means for causing one of said members to be urged towards said other member, a control member operable by the yarn passing

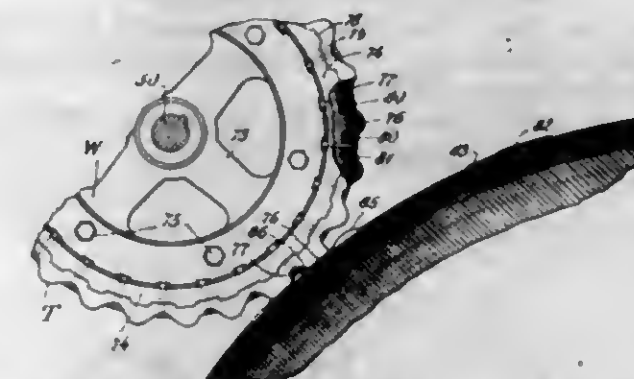


ber, and means for adjusting said last mentioned means with respect to said control member to position said pair of disc members with respect to each other to accommodate yarns of different diameters.

2,629,562

REPLACEMENT ROLL ACCELERATING MECHANISM FOR WEB SPLICING DEVICE

Paul L. Tollison, North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application June 13, 1950, Serial No. 167,905
12 Claims. (Cl. 242-58)



10. In a web-splicing mechanism, the combination with a web roll support for rotatably supporting a web roll from which a web is to be fed, of a web roll surface driving wheel movably supported adjacent said web roll support comprising a rim having a transversely corrugated peripheral face substantially parallel to the wheel axis, a tread of partially compressible resilient material surrounding and overlying said rim face, and members extending over the valleys of the rim face outside of the tread and compressively clamping said tread to said rim face along the valleys of said rim face corrugations whereby said tread is formed to a transversely corrugated contour.

2,629,563

TWO-WAY FILM-METERING DEVICE

Robert E. Kesel and Herbert T. Robinson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 4, 1951, Serial No. 219,211
7 Claims. (Cl. 242-71)

1. A two-way film-metering device for roll-holding cameras of the extrusion-loading type

and including a camera body, a spool chamber to receive a roll of film, a knob and a key post on which the roll of film is placed, the camera body including an exposure frame and a second spool chamber into which film may be extruded, said two-way film-metering device comprising a counter dial, a ratchet wheel carrying the dial and mounted to turn on the camera body and having teeth about the major part of the periphery of the ratchet and a notch in the periphery of the ratchet, a pawl for actuating the ratchet,

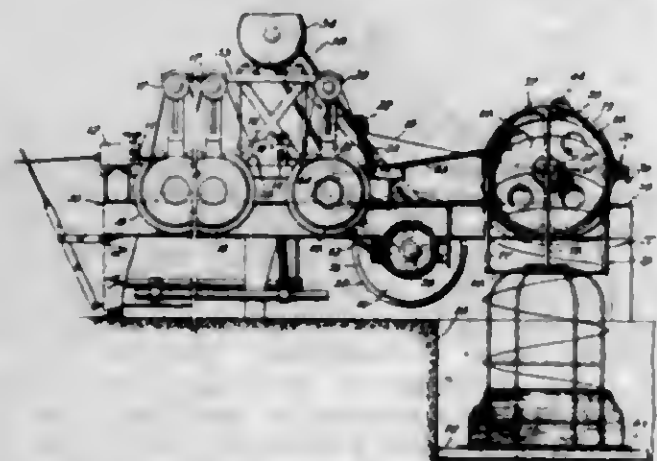


a slide carrying the pawl and movable to move the pawl for engaging and actuating the ratchet in either a film-winding or a film-extruding direction, a pin movable by the winding knob for moving the slide in one direction and a spring normally moving the slide in an opposite direction and into an intermediate position whereby turning the winding knob may turn the counter one step at a time until the pawl reaches the notch in the ratchet, after which the pawl may idle in the notch without moving the counter.

2,629,564

WIRE-LAYING MACHINE

George W. Bell, Sterling, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Application June 23, 1949, Serial No. 100,941
12 Claims. (Cl. 242-82)



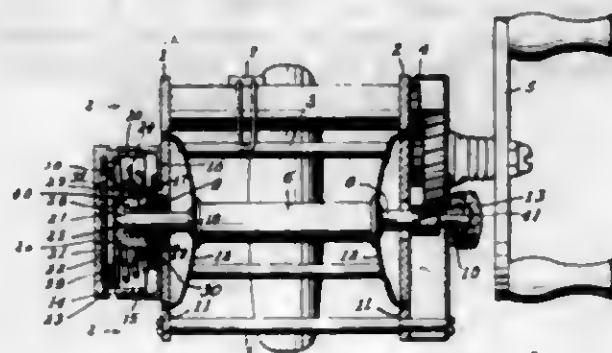
1. In an apparatus for continuously laying wire in a coil, a winding member journaled for rotation about a horizontal axis, means for rotatably driving said winding member, a guide member mounted on said winding member and having the wire trained thereabout and guiding the wire from one side of said winding member to the other and laying the wire on the other side of said winding member in the form of a coil upon rotation of said winding member, a coiling block extending from the other side of said winding member and underlying said guide member in position to have the wire coiled thereon by said winding member, and coil transferring means extending from and forming a continuation of said coiling block and directed at an

angle with respect thereto toward the ground to guide and discharge the coiled wire from said coiling block beyond the end thereof by gravity.

2,629,565

FISHING REEL

John V. Schafer, Bronson, Mich.
Application September 5, 1947, Serial No. 772,248
6 Claims. (Cl. 242-84.5)

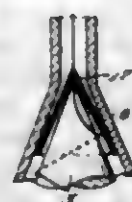


1. A reel comprising a frame having an end plate, a spool having a shaft rotatably mounted on said frame, a cam on said shaft, a relatively small housing secured in an exposed position to the central portion of the end plate, a friction member mounted on the housing, and a friction element carried by the cam in a manner whereby rotation of the spool will effect relative movement between said element and said member to produce a braking action on the spool.

2,629,566

SPOOL OPERATING DEVICE

Raymond R. King, Ocean Gate, N. J., assignor to John W. Gottschalk Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 16, 1951, Serial No. 231,941
1 Claim. (Cl. 242-128)



In a spool operating device, a base, a strand wound spool resting on said base, a main cone on top of the spool, a cover having an opening at its top and having an inner cone shaped face spaced from the main cone, and an auxiliary cone resting on said main cone between which and the main cone the strand passes, said auxiliary cone having an aperture in its apex through which the strand passes.

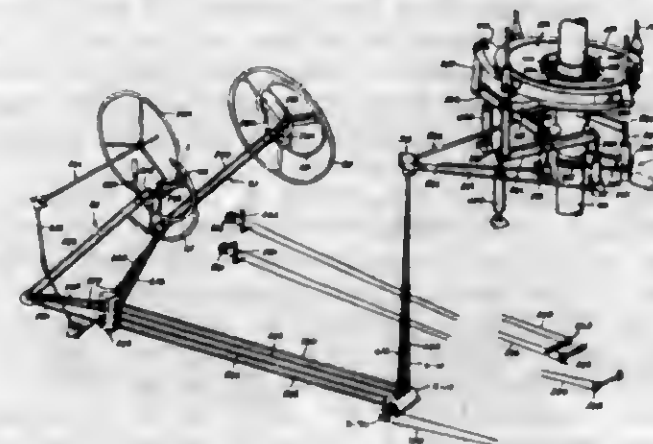
2,629,567

HELICOPTER ROTOR CONTROL SYSTEM

Nicholas J. Papadacos, Brooklyn, N. Y., assignor to Gyrodyne Company of America, Inc., New York, N. Y., a corporation of New York
Application February 8, 1947, Serial No. 727,328
19 Claims. (Cl. 244-17.13)

8. In a helicopter, a substantially upright rotor support, a bladed rotor structure including a hub substantially symmetrical with respect to a central hub axis thereof and at least two pairs of conjugate blades pivotally held by said hub

for rotation about the blade axis to different pitch positions, with each blade fixed against tilting relative to the hub axis, the blades of each pair extending from said hub in opposite directions, said hub being secured to said rotor support by a universal joint connection permitting said hub axis to be tilted relative to said support, said universal joint connection being operative to transmit rotary motion and axial forces, a blade pitch control structure movable over a range of control positions, linkage connecting each of said blades with said control structure to control the individual pitch position of each blade in accordance with the control position of said control structure, operator-controlled means for setting said control structure in selected position and means including energy-storing elements connected between the fuselage and said control structure, for resiliently holding said control structure in selected position and restoring said control structure to the selected position if moved from said position by forces transmitted from the blades by said linkage.



16. In a helicopter, a substantially upright rotor support, a bladed rotor structure including a hub substantially symmetrical with respect to a central hub axis and at least two pairs of conjugate blades pivotally held by said hub for rotation about the blade axis to different pitch positions, with each blade fixed against tilting relative to the hub axis, the blades of a pair extending from said hub in opposite directions, said hub being secured to said rotor support by universal joint connection permitting said hub axis to be tilted relative to said support, said universal joint connection being operative to transmit rotary motion and axial forces, a control structure including a control member surrounding said rotor support and mounted for tiltable movement relative thereto and translational movement along the support, operator-controlled means for tilting said control member and means for moving said control member translationally along said support comprising an element movable by the operator, a member driven from the rotor and hence driven at a speed depending on rotor speed, an associated member driven independently of the rotor at a selected constant speed, a control element movable by differences in speed of said driven members, the direction of movement of said control element depending on which speed is greater, and differential connections between said operator-movable element, said control element and said control member to move said control member by the movement of the control element, by the movement of the operator-movable element and by the combined movement of said control element and operator-movable element, the movement of the control member by

the control element being in a direction to increase blade pitch when the speed of the rotor-driven member exceeds that of the independently driven member.

2,629,568

TANDEM ROTOR HELICOPTER

Austin B. Croshere, Jr., and Schuyler Kleinhans, Santa Monica, and Carlos C. Wood, Brentwood Heights, West Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application August 10, 1946, Serial No. 689,636
9 Claims. (Cl. 244-17.23)

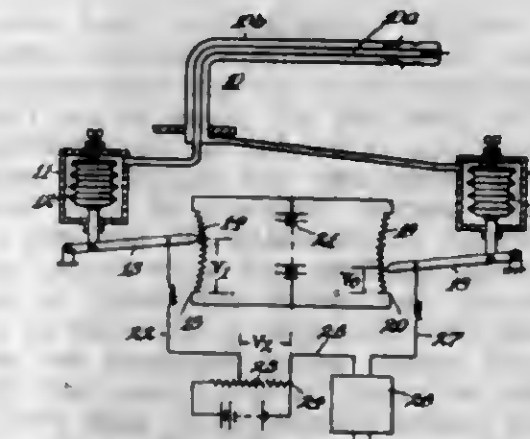


4. In a helicopter, a direct-lift sustaining unit situated near the forward end of the longitudinal axis thereof and a direct-lift sustaining unit situated near the aft end of said axis, the aft unit being endowed with a smaller blade loading coefficient and total loading than the forward lift unit and being located at a greater distance from the center of gravity than said forward unit, so as to have a vertical velocity in pitch greater than that of the forward lift unit, whereby to confer dynamic longitudinal stability upon the craft.

2,629,569

CONTROL MEANS FOR AIRCRAFT POWER PLANT INSTALLATIONS

Walter Agnew Andrews, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application June 14, 1948, Serial No. 32,868
In Great Britain June 18, 1947
1 Claim. (Cl. 244-53)



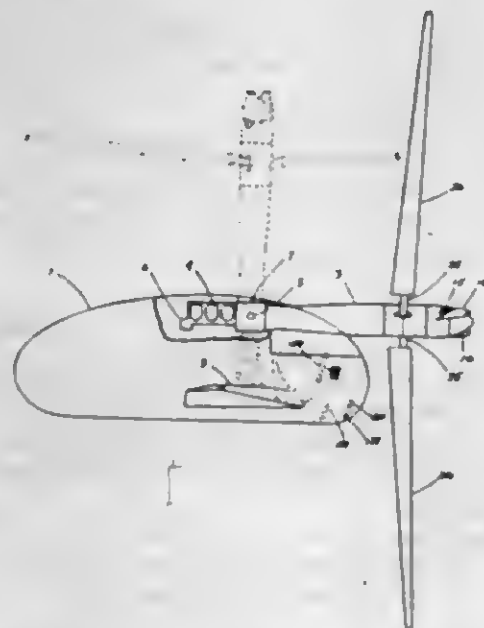
For use in a power driven aircraft having means effective to reduce the propulsive thrust developed by the aircraft power plant, control means for actuating the means to reduce the propulsive thrust comprising a first pressure responsive device arranged to be subjected to ambient atmospheric pressure, a second pressure responsive device arranged to be subjected to the total head pressure arising from flight of the aircraft, an electrical circuit comprising a first resistance, a second resistance, and a source of potential all in parallel, a second electrical circuit comprising

a third resistance and a source of potential connected across said third resistance, means interconnecting said first and third resistances, electrical means, first and second connecting means interconnecting said electrical means with said second and third resistances respectively, first displaceable means connected to said second pressure responsive device and arranged to vary the point of connection between said first and third resistances, a second displaceable means connected with said first pressure responsive device and arranged to vary the point of connection between said second resistance and said first connecting means, said electrical means being connected to actuate the means to reduce the propulsive thrust from the aircraft power plant, whereby the propulsive thrust of the aircraft power plant is controlled by the differences in pressure between the ambient pressure and the total head pressure.

2,629,570

HELICOPTER-AIRPLANE

Orson A. Carnahan, Syracuse, N. Y.
Application August 9, 1945, Serial No. 609,807
9 Claims. (Cl. 244-7)



1. An aircraft comprising a fixed wing and a fuselage, concentrically positioned propeller shafts supported by trunnions extending transversely to the fore and aft plane of the fuselage, bearing surfaces supported by said fuselage on which said trunnions are supported and are movable to permit rotation of the propeller shafts through substantially 90° between a generally vertical position and a forwardly extending generally horizontal direction, a pair of rotors each provided with a plurality of blades, one of said rotors being mounted on each of said shafts adjacent to the upper end thereof, propulsion means connected to said shafts adjacent to the opposite ends thereof to rotate said rotors in opposite directions, means for adjusting the cyclic pitch of the blades of said rotors, a pendulum supported by said fuselage and mounted for fore and aft movement with respect to said fuselage, and servo means operatively interconnecting said pendulum, fuselage, and propeller shafts, and responsive to relative movement between said pendulum and said fuselage for controlling the angle between said propeller shafts and said fuselage.

6. An aircraft comprising a fixed wing and a fuselage, concentrically positioned propeller shafts supported by trunnions extending transversely of the fore and aft vertical plane of the

fuselage, bearing surfaces supported by said fuselage on which said trunnions are rotatable supported and are movable to permit rotation of the propeller shafts through substantially 90° between a generally vertical position and a forwardly extending generally horizontal direction, a pair of rotors each provided with a plurality of blades, one of said rotors being mounted on each of said shafts adjacent to the outer end thereof, propulsion means connected to said shafts adjacent to the opposite ends thereof to rotate said rotors in opposite directions, means connected to the blades of said rotors for adjusting the differential mean pitch of said rotors to provide a torque acting about the axes of the rotors, manual means, means connecting said adjusting means and said manual means and arranged to actuate said adjusting means in response to displacement of said manual means, means for shifting said connecting means between two terminal positions during the aforesaid rotation through substantially 90° of said propeller shafts with respect to said fuselage, said connecting means when in one terminal position being arranged to actuate said adjusting means in one sense in response to a displacement of said manual means in a given direction, and when in the other terminal position being arranged to actuate said adjusting means in the opposite sense in response to a displacement of said manual means in said given direction.

7. An aircraft comprising a fixed wing and a fuselage, concentrically positioned propeller shafts supported by trunnions extending transversely of the fore and aft plane of the fuselage, bearing surfaces supported by said fuselage on which said trunnions are supported and are movable to permit rotation of the propeller shafts through substantially 90° between a generally vertical position and a forwardly extending generally horizontal position, a pair of rotors each provided with a plurality of blades, one of said rotors being mounted on each of said shafts adjacent to the upper end thereof, a plurality of movable tilt rings positioned around said shafts which are connected to said rotors, an engine for rotating said rotors in opposite directions, a transmission provided with an overrunning clutch connected between said engine and said shafts, and means for adjusting the cyclic pitch of the blades of said rotors by actuation of said tilt rings.

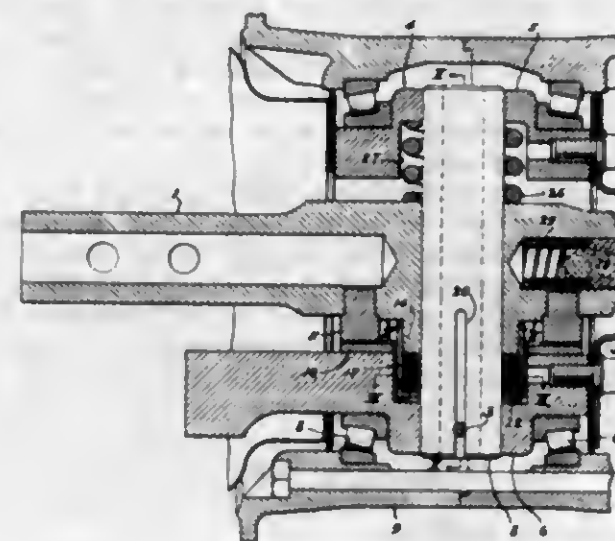
2,629,571

FRICTION TAXI LOCK FOR AIRPLANE CROSS-WIND MAIN LANDING WHEELS

Edward Wolf, Cuyahoga Falls, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application August 17, 1951, Serial No. 242,298
3 Claims. (Cl. 244-103)

1. In combination with an airplane cross-wind main landing wheel rotatable about a casterable hub, a king pin diametrically disposed and fixed in said hub, a spring loaded axle passing through and being radially spaced from said hub with the king pin passing pivotally and slidably through said axle, a pair of cam followers extending downwardly from said axle, a centering cam seated in said hub below the cam followers and being provided with a notch in alignment with but vertically spaced from the cam followers when the landing wheel is in neutral position and in frictional contact with the cam followers when the landing wheel assumes a castered position, and frictional locking means mounted in said hub concentrically to the king pin, said locking means

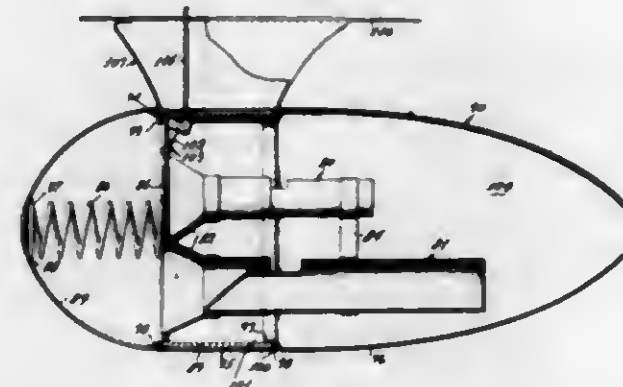
being subjected to the load of the airplane on the ground when the wheels are in substantially neutral position and the load being transferred



2,629,572

AIRCRAFT DISTRESS SIGNAL

Samuel Wood Grinnan, Los Angeles, Calif.
Application July 13, 1948, Serial No. 38,455
5 Claims. (Cl. 244-117)

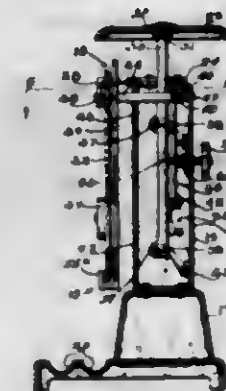


1. An audible distress signal device for aircraft comprising sound maker means, said device including a housing having fore and aft openings, said housing including a shielding means normally shielding and fairing said sound maker and said openings from an air stream surrounding the aircraft, and control means actuatable to expose the sound maker to the air stream for sounding the same by the substantially simultaneous unshielding of the fore and aft openings to permit the passage of the air through said openings, said shielding means together with said housing defining a dewdrop shaped structure standing out from the main body of the aircraft, the shielding means for the fore opening being releasably secured to the foremost portion of the housing, and tension means releasable by said control means for removing said shielding means from said fore opening, said shielding means for the aft opening being automatically releasable and being frictionally secured to and removable from the rearmost portion of the housing under the influence of said air stream when said fore shielding means has been removed.

2,629,573

SUPPORT FOR WEIGHING SCALES

Harry Brody and Jacob Brody, Brooklyn,
and Julius F. Hart, New York, N. Y.
Application September 25, 1946, Serial No. 699,152
4 Claims. (Cl. 248-161)

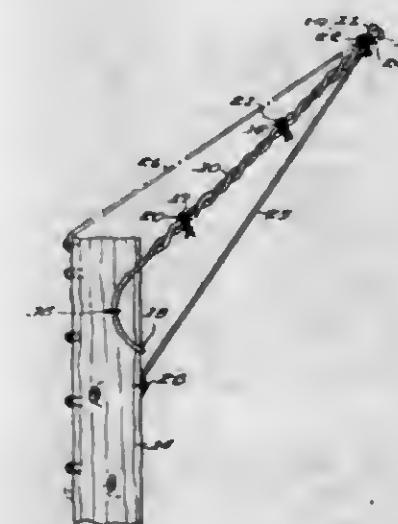


1. In a scale having a tubular vertical post formed at its rear with an elongated vertical slot and supported to move vertically downwards and forwards, means for locking the vertical post against vertical movement, comprising a locking head extended into the tubular post through said vertical slot, said locking head having a length greater than the width of said slot and equal to the internal diameter of the tubular post for engaging the inside faces of the tubular post to hold the post against moving downwards and forwards when said locking head is turned with its length extended across the interior of the tubular post, said locking head having a width slightly less than the width of said vertical slot to free the tubular post to move vertically downwards and forwards with the tubular post moving away from said locking head when turned with its length extended parallel to the length of said slot, and means rotatively supporting said locking head to be movable between a position in which its length extends across the interior of the tubular post or a position in which its length extends parallel to the length of said vertical slot.

2,629,574

FENCE POST EXTENDED WIRE SUPPORTING BRACKET

Elbert M. Stevens, San Antonio, Tex.
Application November 24, 1950, Serial No. 197,367
3 Claims. (Cl. 248-221)



1. In an extended wire fence post supporting bracket, the combination which comprises a

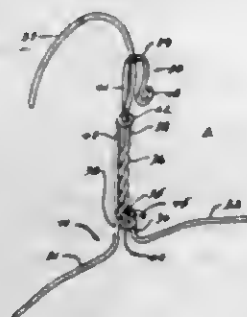
strand of wire folded midway of the length thereof to form a substantially semi-circular loop with the strands of wire from the loop twisted providing a twisted wire arm, and said twisted wire arm positioned in a plane perpendicular to the plane in which the loop is positioned, and wire fastening means positioned at spaced points on said arm.

2,629,575

CLOTHES HANGER ATTACHMENT

Clara D. Loyot and Charles G. Loyot,
Waterbury, Conn.

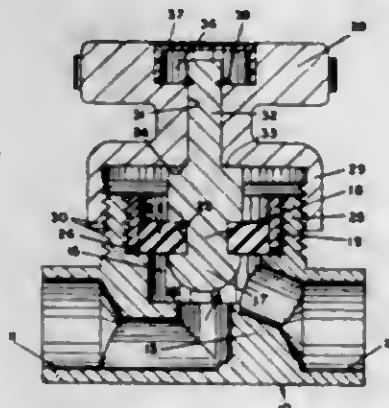
Application November 10, 1949, Serial No. 126,512
1 Claim. (Cl. 248-317)



In an attachment for a clothes hanger of the type having a pair of substantially horizontal oppositely-extending arms and a central upstanding vertical stem terminating in a substantially U-shaped vertical upper hook, an auxiliary wire member having a small vertical upper hook shaped to grip a clothesline to prevent said clothes hanger from accidentally sliding thereon, said auxiliary member having an intermediate substantially semi-circular open loop lying in a horizontal plane for embracing the vertical stem of said hanger, and a downwardly-extending vertical leg having a laterally bent lower end extending in the same direction as said intermediate loop for embracing the lower portion of said clothes hanger.

2,629,576
VALVE

Jacob P. Rudolph, North Arlington, N. J., assignor
to Air Reduction Company, Incorporated, a corporation of New York
Application July 23, 1948, Serial No. 40,207
2 Claims. (Cl. 251-31)



1. A valve for controlling the flow of a fluid comprising a casing having inlet and outlet connections and a passage surrounded by an annular valve seat through which the fluid flows from the inlet to the outlet, a valve element, a valve stem to which the valve element is connected, an externally threaded annular ring coaxially sur-

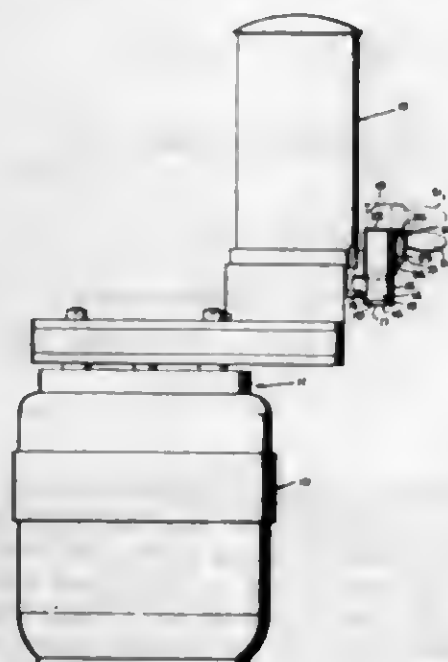
rounding the valve stem with its inner wall spaced radially from the valve stem, a flexible diaphragm connected at its center portion to the valve stem and bonded throughout the major portion of its outer edge surface to the inner surface of said ring, the ring having a tool receiving portion and the valve casing having an internally threaded portion to receive said externally threaded ring whereby when the ring is threaded thereinto the ring and the valve seat are relatively non-movable, the valve stem with its valve element and the diaphragm along with the ring to which it is bonded constituting a unit inserted into the valve casing by screwing the ring into said threaded portion of the casing after which the valve stem is axially movable relative to the casing to seat and unseat the valve element, the diaphragm having a peripheral radially extending flange projecting under the inner end of the annular ring and the casing having a surface against which said flange is clamped when the annular ring is screwed into the casing, and means operatively connected to the valve stem for moving it axially.

2,629,577

VALVE STRUCTURE FOR SEMISOLID PRODUCTS

Marcellus C. Luterick, Montrose, Calif., assignor
to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware
Original application December 12, 1949, Serial No. 132,499, now Patent No. 2,600,009, dated June 10, 1952. Divided and this application July 3, 1950, Serial No. 171,811

2 Claims. (Cl. 251-39)



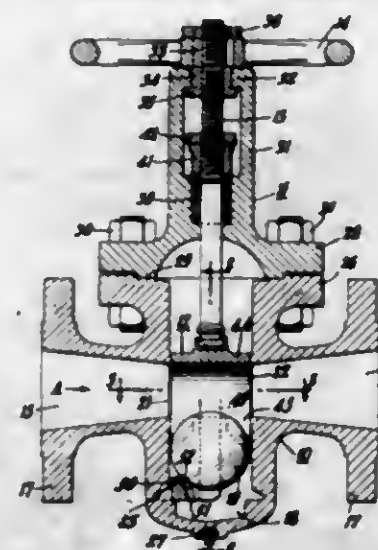
1. In a valve for semi-solid products, the combination of: a tubular valve sleeve having a cylindrical bore; means for mounting said sleeve vertically and providing a passageway which opens into the bore of said sleeve near the lower end thereof; a cam thimble embracing an upper portion of said sleeve and having formed therein a cam slot; a cylindrical plunger slidably fitted within said sleeve for vertical movement therein; a control arm provided on the upper end of said plunger, said control arm extending outwardly and downwardly outside said thimble; a finger provided on said arm and extending into said cam slot, a lower portion of said slot receiving said finger when said arm comes to rest on the upper end of said sleeve, the lower end of said plunger

at this time being flush with the lower end of said sleeve, an upper portion of said slot providing a rest for receiving said pin when the latter is swung into place over said rest and when said plunger is lifted to uncover the passageway for feeding semi-solid material into and through the lower portion of said sleeve; and a handle on said arm for manipulating said plunger and opening and closing said valve.

2,629,578

BALL VALVE

Herman L. Paul, Jr., New Rochelle, N. Y., assignor
to Paul Valve Corporation, Essex Fells, N. J.,
a corporation of New Jersey
Application February 24, 1947, Serial No. 730,317
27 Claims. (Cl. 251-130)

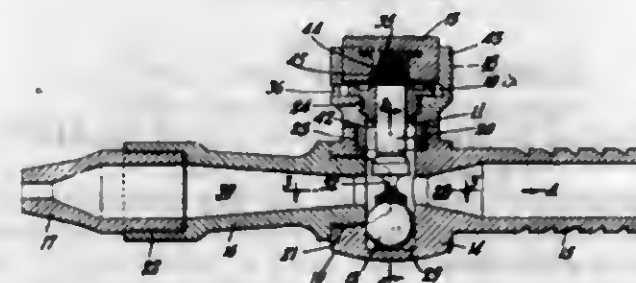


1. In a valve, a casing having a substantially straight flow passage extending therethrough and a recess intersecting said flow passage, said passage converging from both sides of the recess substantially to said recess to form a venturi, said recess intersecting said passage to form opposed aligned throats, and a relatively free ball movable between a position engaging one of said throats to a position offset from the axis of stream flow.

2,629,579

BALL VALVE

Herman L. Paul, Jr., New Rochelle, N. Y., assignor
to Paul Valve Corporation, Essex Fells, N. J.,
a corporation of New Jersey
Application February 24, 1947, Serial No. 730,318
6 Claims. (Cl. 251-135)



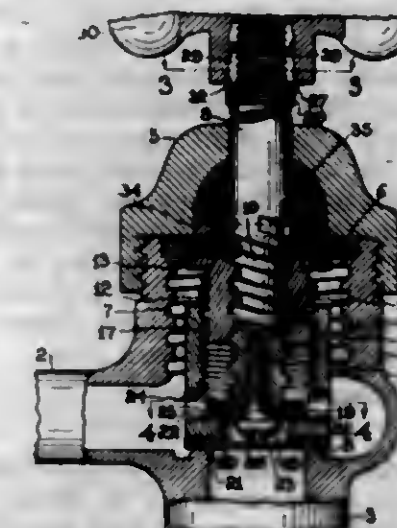
1. In a valve, a casing comprising a body member having a first cylindrical bore hole and a second cylindrical bore hole intersecting said first bore hole, a seat member closing said

second bore hole and having a plane end surface with a seat, a bonnet closing said first bore hole, said bonnet having a sleeve, a cap in said bonnet, said cap having an opening, said seat and body members having a substantially straight passage intersecting the recess formed by said bore holes, a ball in said recess, a spool-shaped actuator having an annular flange engageable with said ball, when the ball is seated on said seat, at a point on the ball between the plane of the seat and a parallel plane through the ball center, said actuator having a stem slidable in said cap opening, a pushbutton slidable in said sleeve and connected to said stem, said stem having annular abutments on opposite sides of said cap whereby to seal said stem against leakage in both the innermost and outermost positions of the actuator.

2,629,580

REPLACEMENT STEM FOR FAUCETS AND THE LIKE

Charles F. Schultis, Cleveland, and Isadore Herzbrun, Cleveland Heights, Ohio
Application November 4, 1947, Serial No. 783,984
1 Claim. (Cl. 251-156)

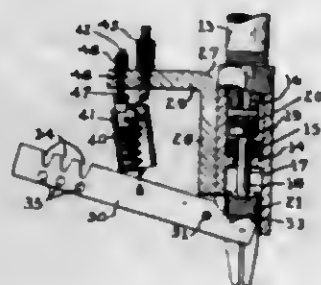


In combination, a faucet having a body portion, a cap, a seat within said body portion, a valve stem housing within said body portion, said housing comprising an upper member and a lower member, said lower member being provided with a flange having an opening therethrough and forming a shoulder and having a multiplicity of circumferentially spaced openings therein adjacent said shoulder, a packing on said lower member between said flange and said seat, said upper member having external threads engaging internal threads on the lower member so as to adjust said members relative to each other whereby the effective length of the housing may be varied to fit into faucet body portions of different heights, a packing sealing the upper end of the body interposed between said cap and said upper member and being pressed against the upper member upon rotation of said cap for forcing said housing against the seat, the upper end of the upper member being provided with a toothed surface which bites into the packing engaging said surface thereby locking the housing members against rotation, and a valve stem threadedly engaging internal threads in said upper member and carrying a valve seating on said shoulder whereby the valve housing together with the valve stem are removed as a unit from said body upon removal of said cap.

2,629,581

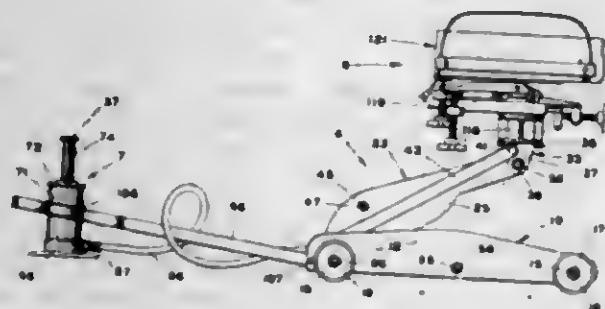
AUTOMATIC WATER VALVE

Norman F. Toadvine, Salisbury, Md.

Application October 20, 1950, Serial No. 191,131
2 Claims. (Cl. 251-164)

1. In an automatic water valve including an elongated tubular housing, a conduit fitting connected to one end of said housing, a double acting valve in said housing, a lever pivotally connected near one end to said housing and engaging said valve to close said valve in one direction when subjected to a predetermined force, an arm projecting from said housing in the same direction as said lever and spaced from the latter, and a spring connected between said arm and said lever resiliently engaging said lever in a direction to permit said valve to close in the opposite direction, a manually settable element interposed between said lever and said arm, said element being so related to said spring that said spring is distorted by said element when said element is set between said lever and said arm to releasably hold said lever in valve opening position against the force of said spring, said element being moved by said spring to free the lever for automatic operation of the valve when the predetermined force on said lever exceeds the spring force exerted thereon.

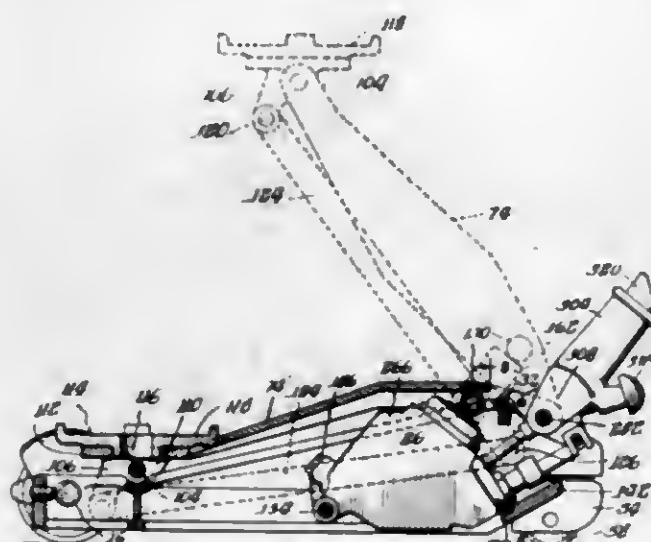
2,629,582

HYDRAULIC LIFT MECHANISMJohn O. Stephenson and John H. Hillis, Detroit, Mich.; said Hillis assignor to said Stephenson
Application October 15, 1948, Serial No. 54,684
5 Claims. (Cl. 254-8)

5. In a hydraulic lift mechanism, the combination comprising: a wheeled carriage including a pair of substantially parallel side plates; an elongated cantilever arm pivotally supported at one end upon said carriage near one end thereof; a hydraulic cylinder pivotally affixed to said plates at a point remote from the point at which said cantilever arm is supported on said carriage, said hydraulic cylinder being operatively associated with a piston and said piston being pivotally fixed to said cantilever arm at a point spaced from its point of fixing to the carriage; actuating means including a reservoir, a pump cylinder within said reservoir and operable from a reciprocable plunger, said plunger being operable along the axis thereof with a power stroke

and a spring return stroke, passageway and valve means operatively connecting said pump and said reservoir; a substantially U-shaped handle including a pair of spaced resilient members the free ends of which are rigidly supported upon said carriage, and the parallel arms of which have offset portions near the closed end of said U of said U-shaped handle for yieldingly and releasably supporting said cylindrical reservoir; and means including a flexible hose operatively connecting said pump and said hydraulic cylinder.

2,629,583

HYDRAULIC JACKJoseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application October 18, 1945, Serial No. 623,011
9 Claims. (Cl. 254-8)

7. A hydraulic jack comprising a chassis, a hydraulic unit having a power driven piston slidably mounted therein, said power unit being pivotally mounted on said chassis, a seat formed on said chassis and spaced from said pivotal connection to receive the rotatable end of said power unit, means pivotally mounted on said chassis for operating said power piston, a load lifting lever pivotally connected to said chassis, and an anti-friction member interposed between the outer end of said power piston and said lever, the pivotal connection between said lever and said chassis being disposed rearwardly of said anti-friction member in all positions of said lever, said seat being adapted to support said hydraulic power unit when said power piston is imparting an upward thrust to said load lifting member.

2,629,584

GENERATOR LIFTING TOOL

Gus G. Cannon, Atlanta, Ga.

Application February 13, 1951, Serial No. 210,773
1 Claim. (Cl. 254-120)

A generator lifting tool of the character described, comprising in combination, a standard having a flat foot piece with a notch in its end adapted to engage one of the bolts on the cylinder head of a motor; a lever pivotally connected intermediate the ends to the standard having a saddle-shaped lifting end adapted to conform to and engage the bottom portion of a generator housing to apply lifting movement thereto, wherein the standard is made of strap metal and

is twisted at right angles adjacent to its lower end to provide a foot piece, said foot piece being

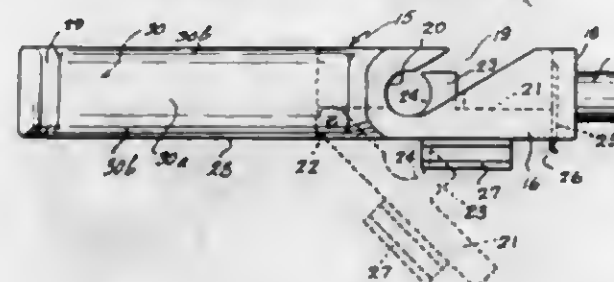


bent at an angle corresponding to the inclination of the cylinder heads of V-type motors.

2,629,585

HAND LINE GUIDE

Joseph A. Truchon, Sr., Stratford, Conn.

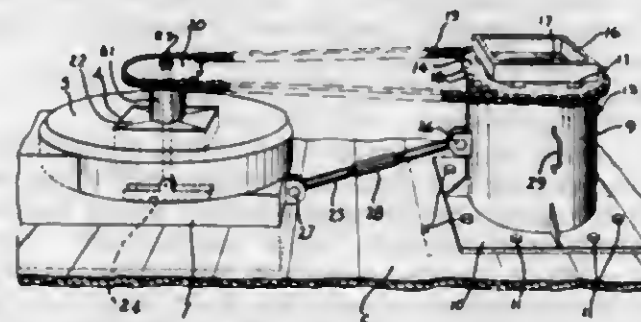
Application October 1, 1951, Serial No. 249,078
5 Claims. (Cl. 254-190)

1. A handline guide of the character described comprising a body provided at one end with a stud to enter an opening in the base of a spool supporting bracket to mount the body thereon, said body being provided with a recess opening through one side to receive the spool supporting spindle on the bracket, a shiftable member mounted on the body to retain the spindle in the recess, and a guide arm extending outwardly from the body in the opposite direction from said stud and provided with a rounded upper surface forming a guide surface for a handline while drawing up a wire.

2,629,586

RATHOLE DRILLING APPARATUS

Pheron M. Harbour, Duncan, Okla.

Application January 28, 1947, Serial No. 724,880
2 Claims. (Cl. 255-19)

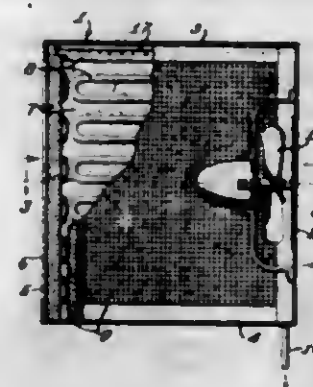
1. In a rotary drilling apparatus, the combination with a rotary table having a squared bushing seat formed therein, of a squared member adapted to seat within said squared bushing

seat for rotation with said rotary table, a neck secured to and extending upward from said squared member, a sprocket secured on the upper end of said neck, an opening formed through said sprocket, said neck and said squared member, a screw threaded bolt extending through said sprocket, said neck and said squared member and adapted to engage said rotary table on the lower side thereof to hold same in binding relation thereto, an auxiliary rotary table spaced from said rotary table and having a base adapted to be secured to the floor of a derrick, an upstanding sleeve mounted on said base and having out-turned flanges, a second sleeve forming a bearing member positioned within said upstanding sleeve, a sprocket member mounted above said second mentioned sleeve and having a downwardly depending sleeve seated within said second sleeve and adapted to fit in bearing relation therewith and said sprocket adapted to fit thereon, upstanding wall members secured on top of said last mentioned sprocket and forming a squared socket in substantially axial alignment with said sleeve members, said squared socket being adapted to receive a squared Kelly bushing when a Kelly joint is positioned therethrough, with sufficient looseness between the outer periphery of said squared Kelly bushing and the inner confines of said squared socket so that said Kelly joint may be positioned therethrough at an angle divergent to the axis of said sleeves, a chain surrounding said sprockets and occupying a substantially horizontal plane so said sprocket of said auxiliary rotary table will be driven by said sprocket of said rotary table upon rotation of said rotary table.

2,629,587

APPARATUS FOR CONDITIONING AIR

Henry G. Tignor, Richmond, Va.

Application March 4, 1949, Serial No. 79,687
4 Claims. (Cl. 261-11)

4. Air-conditioning apparatus comprising a support having an inlet opening and an outlet opening, said inlet opening having an area pervious to the flow of air, a cooling surface for condensing moisture out of air passed through said area, a layer of absorbent filter material on the inlet side of said area and in intimate contact with said cooling surface whereby it will absorb moisture extracted from air flowing through said area, and means for spraying water from an external source on to said absorbent filter material, whereby air may be conditioned by its intimate contact with said absorbent filter material which is wetted by the moisture extracted from the flowing air and by moisture supplied from the external source.

2,629,588

**TOOL FOR BREAKING CONCRETE
AND THE LIKE**

Vincent Neamand, Narberth, Pa.
Application March 25, 1948, Serial No. 17,044
1 Claim. (Cl. 262—33)

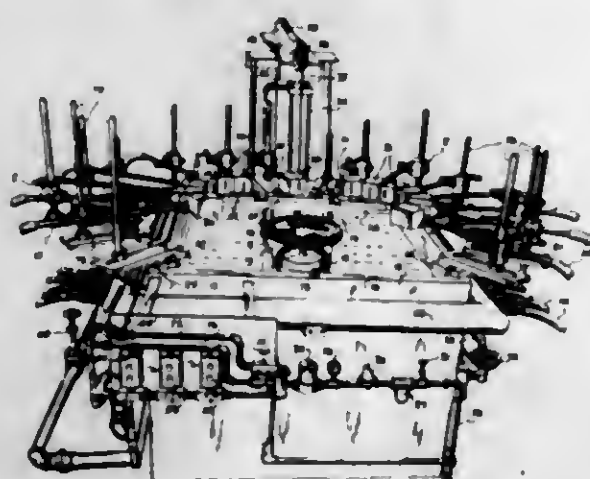


In a percussively operated tool for breaking concrete and the like, an elongated body portion having an actuating shank at one end and a pair of converging terminal faces at the other end thereof, said body from said other end thereof and from the outer ends of the terminal faces being bounded by a pair of flat parallel side faces, said parallel faces being connected by side faces transversely arcuate and diverging from the inner ends of the terminal faces.

2,629,589

FLAME HARDENING APPARATUS

Cline R. Derhammer, East Cleveland, Ohio, assignor to The Lakeside Steel Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application December 17, 1949, Serial No. 133,574
1 Claim. (Cl. 266—4)



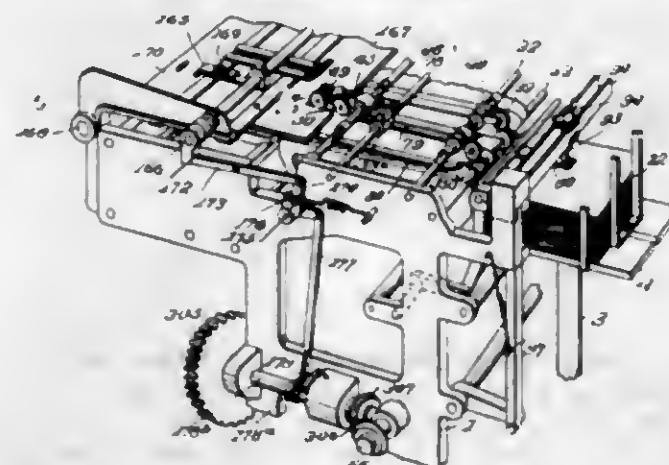
In a flame hardening apparatus, an open top quenching tank, a vertical spindle adapted to have a workpiece connected thereto adjacent to its upper end, means for supporting said spindle in the center of said tank for vertical movement, means for reciprocating said spindle to selectively position the upper end thereof above or below the surface of quenching fluid in said tank, means for rotating said spindle, means forming supporting surfaces adjacent to the

upper edge of the tank and on opposite sides thereof, a pair of opposed semi-circular members slidably supported on said supporting surfaces adjacent to the top of said tank for movement in a horizontal plane toward and from the center of the tank, a plurality of fuel burners connected to said semi-circular members for universal adjustment relative thereto, means for connecting two of the adjacent ends of said semi-circular members for pivotal movement about a vertical axis adjacent to a side of said tank whereby the free ends of said semi-circular members may be moved toward and from each other to cause said burners carried thereby to be moved toward a workpiece connected to said spindle to direct flames onto the workpiece or away therefrom to leave the top of the tank open for loading and unloading said work spindle.

2,629,590

COLLATING MACHINE

Walter H. Smith, Toronto, Ontario, Canada; Mary Agnes Johnston, administratrix of said Walter H. Smith, deceased, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada
Application February 2, 1949, Serial No. 74,093
14 Claims. (Cl. 270—58)



1. A collating machine, comprising a series of inclined collecting tables, the end of each table overlapping and spaced from the end of the adjacent table, a series of paper feeding means at right angles to the inclined collecting tables, each said means including a platform, a portion of which is inclined corresponding to the inclination of the adjacent collecting table, a belt and cooperating rollers, and means for collecting the sheets one over the other and ejecting the collated sheets.

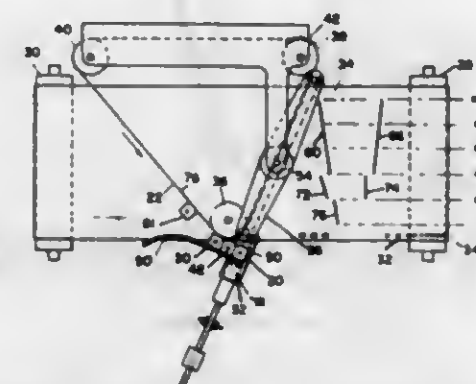
2,629,591

**TIMING SWITCH MECHANISM FOR
LAUNDRY FOLDING APPARATUS**

Leo M. Kahn, Brooklyn, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application August 21, 1951, Serial No. 242,911
2 Claims. (Cl. 270—81)

1. A timing mechanism for a laundry folding machine having an article carrier traveling at a selected speed and having folding blade means for folding such article, said mechanism comprising a first endless contact carrier continuously traveling at a speed that is in ratio to the speed at which the article carrier travels, a second endless carrier arranged adjacent to the first contact carrier, said second carrier continuously traveling at a speed that is also in ratio to the speed at which the article carrier travels,

but the respective speeds of said first and second carriers being different, said first and said second carriers being disposed to rotate in respective intersecting planes, a contact member held closely adjacent to but stationary with respect to said first contact carrier, a stop mechanism normally restraining movement of the contact member by the first contact carrier, article controlled means adjacent to the path of travel of the article on said article carrier, and sensitive to and actuated by movement of the leading edge of the article therepast for operating said stop

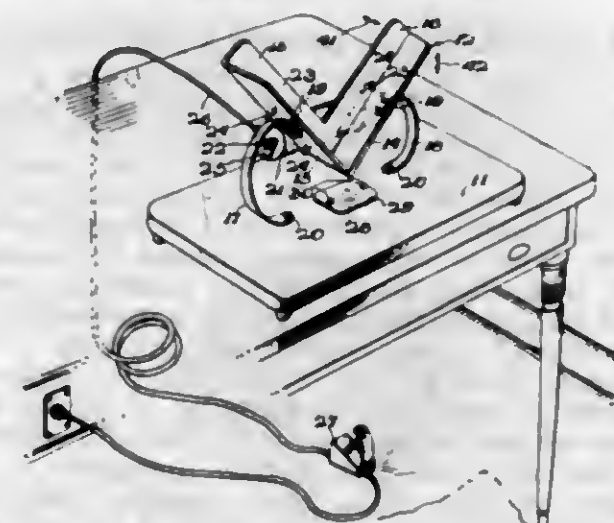


mechanism to permit movement of the contact member on the first contact carrier, means adapted to transfer said contact member from the first contact carrier onto the second contact carrier upon movement of the trailing edge of the article past said article controlled means, and blade actuation control means disposed adjacent to the path of travel of the contact member along said second contact carrier and sensitive to passage of the contact member therepast, for causing actuation of said folding blade means when said contact member operatively registers with said blade actuation control means.

2,629,592

JOGGER

Robert C. Line, Jr., Missoula, Mont.
Application April 2, 1951, Serial No. 218,851
4 Claims. (Cl. 271—89)



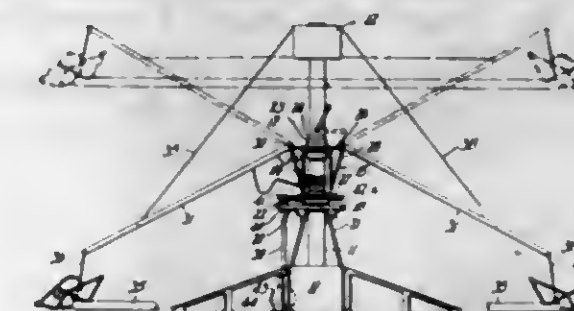
1. A jogger comprising a base member, a V-shaped trough having its apex directed downwardly or edgewise supporting a stack of sheets, springs for supporting said trough in a vertical position on said base member for vibratory motion in all directions, said springs being the sole

means of support for said trough on said base member, vertical flanges on one side of said trough, an electric motor attached to and supported by said trough, said motor having a powered shaft parallel to said flanges and an eccentric weight secured to said shaft for rotation therewith, whereby there will be imparted to sheets supported in said trough a horizontal fluffing motion perpendicular to the surface of the sheets as well as a jogging motion in the plane of the sheets.

2,629,593

OCCUPANT CARRYING ROUNDABOUT

Norman Bartlett, Uleta, Fla.
Application September 30, 1950, Serial No. 187,708
21 Claims. (Cl. 272—48)



1. In an amusement ride, an annular passenger support, rotatable drive means including radiating arms extending to points generally above said support, suspension means between the outer ends of said arms and said support, said arms being pivoted to said drive means for generally vertical movement, a relatively fixed drum coaxial with and disposed above said drive means, and cables connected at one end with said drum for winding thereon and at their other ends with said arms for pivotally raising the same upon winding of the cables on the drum due to rotation of the arms relative to the drum.

2,629,594

BOUNCING BALL GAME DEVICE

George H. Forsyth, Evanston, Ill.
Application September 13, 1951, Serial No. 246,407
6 Claims. (Cl. 273—30)



1. In a bouncing ball game apparatus, an elongated table provided throughout its length and width with an unobstructed playing surface and having the forward end thereof as a player position end, an abutment wall fixed to and projecting upwardly from the opposite end of said table and having a plane unobstructed ball rebounding surface inclined at an acute angle to the plane of an adjacent portion of said table playing surface, said abutment wall having a playing area with its upper limit defined by a linear marker extending transversely of the abutment wall, the relative length of said table and

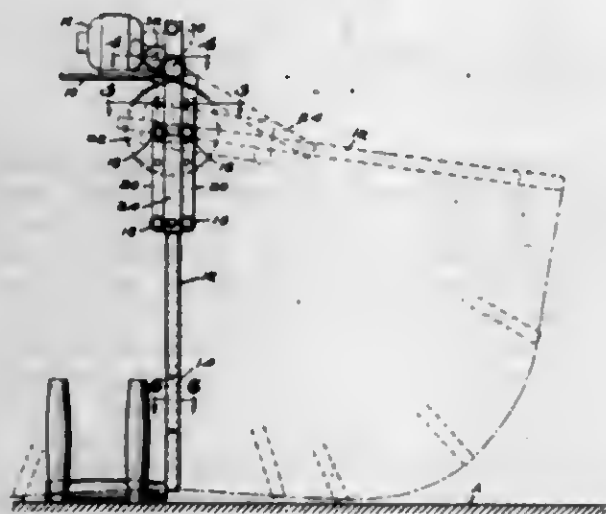
height of said playing area being such that a line extending from the player position end of the table to said marker is normal to said playing area, whereby a ball impinging the rebounding surface of said area will always rebound initially toward the table short of the player position end thereof, and said table playing surface comprising a main playing surface of major area inclined downwardly from said abutment wall toward said player position, and an auxiliary playing surface of minor area inclined downwardly from said player position end into juncture with said main playing surface intermediate said abutment wall and said player position end.

2,629,595

ALLEY SWEEP

Frank W. Anderson, North Weymouth, Mass., assignor to Murphy Automatic Pinsetter Company, Inc., Somerville, Mass., a corporation of Massachusetts

Application October 20, 1950, Serial No. 191,298
4 Claims. (Cl. 273-54)



1. A pin clearing mechanism for bowling alleys comprising an overhead support above the table of the alley, a sweep comprising a pair of arms and a cross member at their lower ends to push the pins off the table to the pit, and means on the support cooperating with the upper ends of the arms to suspend the same swingably from the support and comprising two cooperating driving devices simultaneously acting on the arms and effecting a resulting movement of the arms compounded of swinging and reciprocating movements thereof through a path positively determined by said driving devices and carrying the cross member from an elevated position downwardly and along the length of the table substantially parallel to the surface thereof and back to the elevated position.

2,629,596

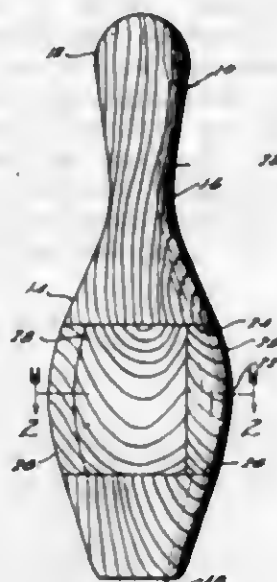
REINFORCED WOODEN BOWLING PIN

Harry E. Luedtke, Detroit, Mich.

Application February 19, 1948, Serial No. 9,430
6 Claims. (Cl. 273-82)

6. A fabricated bowling pin including, in combination, a body portion having a reduced core of polygonal formation disposed between spaced shoulders, a plurality of blocks of wood secured

to said core one on each flat face thereof, with the end grain on one block overlapped by the



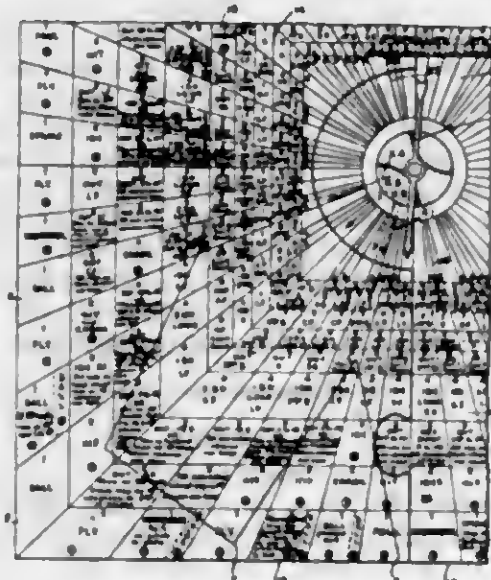
slab grain of an adjacent block and the edge grain of all the blocks abutting said shoulders.

2,629,597

PARLOR BASEBALL GAME APPARATUS

Barney Lenit, Chicago, Ill.

Application September 19, 1950, Serial No. 185,621
3 Claims. (Cl. 273-93)



3. A game board, for playing a game simulating an actual baseball game, comprising a playing surface having lines thereon defining a plurality of columns, each of said columns being subdivided longitudinally into a series of segments, the corresponding segments of the several columns being commonly identified and comprising consecutive rows of segments arranged in predetermined order lengthwise of the columns, indicia in each of said segments defining a predetermined baseball play action following throwing of the ball by a pitcher, the indicia in the segments comprising each row relating to a single kind of play action common to that row and different than the kind of play action indicated in the segments of any other row whereby individual play actions taken from a plurality of rows successively may be combined to construct a single complete play of the ball; certain of said rows relating exclusively to play actions for batted fly balls, to play actions for batted ground balls, and to play actions for batted foul balls, respectively; predetermined ones of said indicia includ-

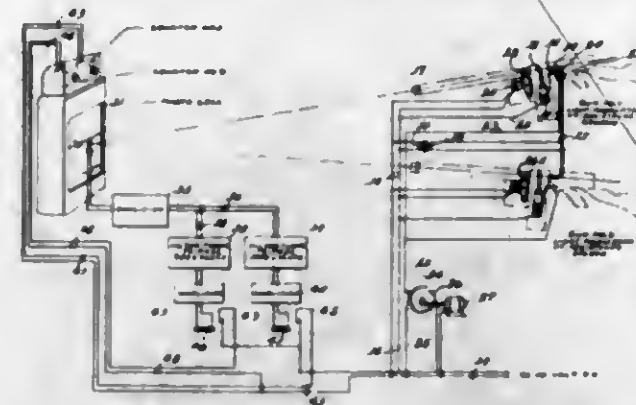
ing an indicator of the next row to be used by the player in constructing his play of the ball, and chance controlled means for selecting the columns in which the successive play actions are to be taken.

2,629,598

PHOTOELECTRIC MARKSMANSHIP APPARATUS

Donald E. Hooker, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application January 26, 1946, Serial No. 643,795
4 Claims. (Cl. 273-101.1)



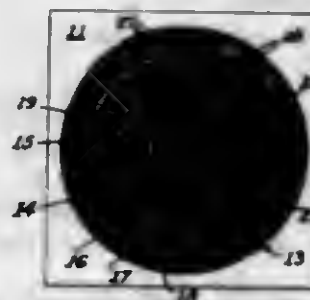
1. Photoelectric target apparatus including a photoelectric target, a plurality of light guns aimable at said target, an electrically actuated hit-indicator for each gun, relay means connected to actuate each indicator, amplifying means connected to amplify photoelectric currents originating in the photoelectric target responsive to impingement of light thereon, frequency-sensitive means receiving amplified photoelectric target currents from said amplifying means and operating to selectively pass amplified photoelectric currents of a certain predetermined frequency for operation of the relay means for a certain corresponding indicator, means for amplifying the frequency-selected photoelectric currents for each relay means, and means causing the light from each said gun to excite in said photoelectric target photoelectric currents of predetermined characteristic frequency, each said characteristic frequency corresponding to one of said first-mentioned predetermined frequencies.

2,629,599

ELECTRICALLY INDICATING DART GAME BOARD

Robert L. Gaut, Vallejo, Calif.

Application August 14, 1950, Serial No. 179,189
3 Claims. (Cl. 273-102.2)



1. A dart-board for use with a dart or the like having an electrically conductive shank comprising: a dart impact surface, means visually delineating a target area on said impact surface, a first dart-penetrable electrically-conductive means associated with said target area present-

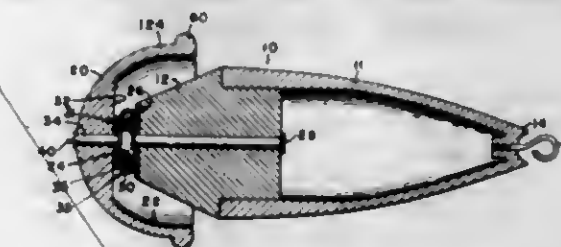
ing an electrical contact area substantially co-extensive with said target area, a second dart-penetrable electrically-conductive means spaced from said first named means and presenting a contact area substantially coextensive with said target area and said first named means, said first and second means connected respectively to first and second lead wires from a source of current establishing a normally open circuit between said first and second means and between said lead wires whereby penetration by an electrically conductive shank of a dart through both said first and second means closes the circuit between said lead wires via said shank, said first and second dart-penetrable means comprising a bus and a plurality of closely spaced resiliently yieldable fingers attached at one of their ends to said bus and projecting over said target area.

2,629,600

MARKER TYPE PROJECTILE

Charlie R. Edmonds, Cincinnati, Ohio

Application November 24, 1950, Serial No. 197,377
5 Claims. (Cl. 273-106)

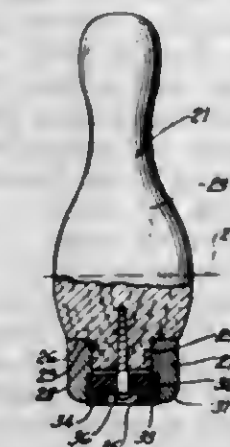


1. A projectile comprising an elongated body portion terminating in a forward end, a substantially dome-shaped landing marker having a peripheral edge of a diameter in excess of the maximum diameter of said body portion, and snap fastener means detachably securing the apex of said marker to the forward end of said body portion for detachment therefrom incident to the landing impact of the projectile at the end of its flight.

2,629,601

SHUFFLEBOARD PIN

David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application August 20, 1949, Serial No. 111,511
2 Claims. (Cl. 273-127)

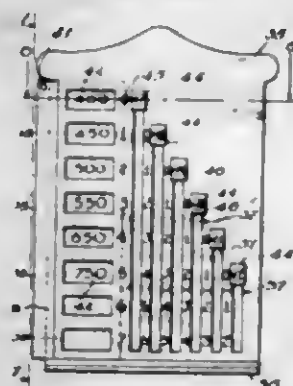


1. A tenpin, comprising a main body portion of wood terminating at its lower end in a diametrically reduced portion, a metal base ring having a bore of substantially the same diameter as the outer diameter of said reduced portion so as to be

slidably mounted thereon, the lower end of said bore being enlarged to a point spaced from the lower end of said reduced portion when the ring is mounted thereon, a rubber insert having an outer diameter substantially the same as that of the enlarged lower end of said bore and a height slightly greater than the vertical dimension of the latter, so that the lower end of the insert extends below the lower edge of the ring when mounted therein, a wood screw extending upwardly through said insert into said body portion, and a metal washer embedded in said rubber insert for contact by the head of said screw, whereby tightening of said screw will displace a portion of said rubber insert into that portion of the bore of said ring disposed below the diametrically reduced end of said body portion to thereafter maintain the screw under axial tension to prevent accidental removal of the base ring from the wood body portion.

2,629,602

RACING GAME SCOREKEEPING DEVICE
Leonard Arnold Bach and William Einar Bach,
Chicago, Ill.
Application July 28, 1948, Serial No. 41,086
4 Claims. (Cl. 273-148)

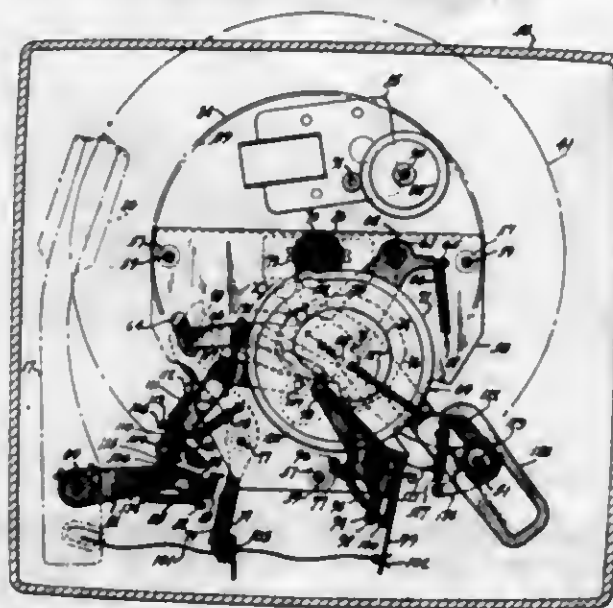


1. In a score keeping device adapted for use with a racing game having a plurality of racing courses and having a plurality of racers adapted to race on each of said courses respectively, the lengths of said courses being unequal and established in accordance with some selected mathematical law, a record board adapted to record the number of races of a given series, which are won on each of said courses, said record board having a plurality of parallel vertical slots spaced horizontally, the lengths of said slots ranging according to said mathematical law, a plurality of slidable blocks, each of said blocks being adapted to be manually moved in a respective vertical slot, each of said slots and said block therein representing one of said courses respectively, said board having indicia representing the number of races won, arranged vertically adjacent each of said slots, said blocks being alignable with said indicia to indicate the number of races in a given series of races which have been won on the course represented by said block, said board having a plurality of vertically disposed apertures, a series of indicia bearing members, said board being adapted to releasably retain any one of said indicia bearing members, each of said members having a vertical column of numbers, each of said numbers being adapted to be visible when one of said indicia bearing members is appropriately positioned in said record board, each of said numbers being an expression of the probability of winning on one of said courses, each of said blocks being adapted to indicate to which number on said indicia bearing members

reference is to be made to determine the probability of winning a race by the racer represented by the blocks respectively.

2,629,603

AUTOMATIC RECORD CHANGER
Benjamin R. Carson, Haddonfield, N. J., assignor
to Radio Corporation of America, a corporation
of Delaware
Application February 11, 1948, Serial No. 7,610
3 Claims. (Cl. 274-10)



1. In a phonograph of the class described having a motor driven turntable, a tone arm having a sound reproducing instrumentality, and a record support magazine for holding the records prior to their individual positioning on the turntable; a record changing mechanism comprising, a frame for supporting said mechanism, a master cam plate pivotally mounted on said frame, a master cam disc rotatably mounted on said cam plate, a drive wheel secured to said turntable for engagement with the outer peripheral edge of said master cam disc, a ratchet lever having a notch therein adjacent one end and a toothed latch plate adjacent the other end thereof pivotally mounted on said frame, a cam plate pin secured to said cam plate for engagement with said ratchet lever notch to latch and hold said master cam disc from engagement with said drive wheel thereby immobilizing said record changing mechanism, spring means for urging said rotatable master cam disc into engagement with said drive wheel when said ratchet lever notch is out of engagement with said cam plate pin, and means responsive to the termination of a recording for disengaging said cam plate pin from said ratchet lever notch to initiate operation of said record changing mechanism.

2,629,604

DOUBLE GATE PUSH-OFF SPINDLE FOR PHONOGRAPHS

Marion J. Pifer, Williamsville, N. Y., assignor, by
mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of
Massachusetts

Application April 21, 1949, Serial No. 88,826
15 Claims. (Cl. 274-10)

1. A center post drop spindle of the push-off type for automatic record changers, comprising, in combination, a bottom portion terminating in a record-supporting shoulder, a push-off finger positioned within said bottom portion adjacent said shoulder and mounted for translation and

partial rotation to engage the wall of the center hole of a record and push it laterally to clear said shoulder, and an upper spindle portion having a gate therein, said gate having an upper portion fixed against substantial inward motion and terminating short of the plane of said shoulder by a distance slightly greater than the thickness of the thickest record to be used with said

jecting annular flange defining an orifice and dividing said space into two zones, said flange having one or more passages formed there-through establishing communication between the exterior of said casing and said orifice, a sleeve-like member disposed fluid-tightly in the orifice of said flange and formed with ports on opposite sides of said flange in said zones and with one



spindle and a second portion extending below the bottom of said upper gate portion in the direction of said shoulder but terminating short of the plane of said shoulder by a distance slightly greater than the thickness of the thinnest record to be used with said spindle, said second portion being yieldable inwardly in response to predetermined pressure.

2,629,605

PHONOGRAPH NEEDLE
Kube Krisch, Philadelphia, Pa.
Application May 18, 1949, Serial No. 93,986
2 Claims. (Cl. 274-38)



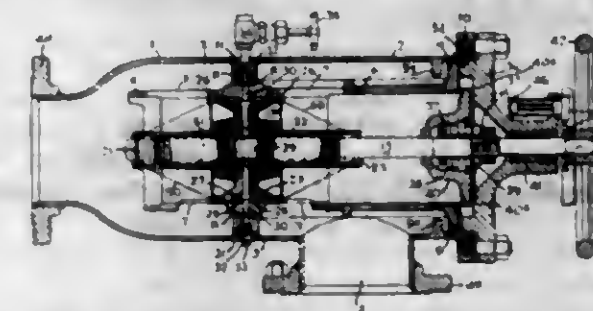
1. A phonograph needle comprising a hollow casing, a threaded stem on the end of said casing, a hollow ball bearing holder threadedly engaged to said threaded stem, a ball bearing contact adapted to ride within the groove of a disc phonograph record, a single pair of spaced narrow claws attached to said holder to hold said ball bearing contact, one of said claws being longer than the other whereby the pick-up effect of the needle will not be affected when the needle is inclined, and a continuous passageway from the hollow casing to said ball bearing contact.

2,629,606

VALVE

Donald Stuart Denholm Fraser, Garrow,
Longfield, England
Application June 16, 1950, Serial No. 168,394
In Great Britain June 20, 1949
18 Claims. (Cl. 277-36)

1. A valve comprising a casing having an internal space and provided with an inwardly pro-

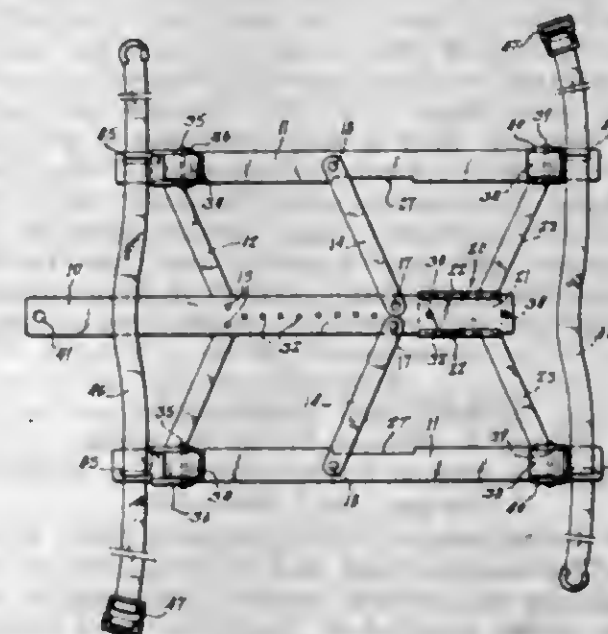


or more openings communicating between the interior of said member and said passages, a pair of movable valve members disposed in said sleeve-like member one on each side of said openings, and valve-operating means operatively connected to said movable valve members to effect linear movement thereof in opposite directions to cover and uncover said ports.

2,629,607

ADJUSTABLE LUGGAGE CARRIER

Albert Roubeck, New York, N. Y.
Application February 27, 1952, Serial No. 273,609
6 Claims. (Cl. 280-35)



1. A collapsible luggage carrier comprising an elongated central bar, side bars extended along the sides of said central bar and extended parallel thereto, wheels on the ends of said side bars, links pivotally connected at their ends between said central bar and said side bars so that said side bars can be moved parallelly away from and toward said central bar, an adjustment member

slidably mounted on said central bar to move longitudinally thereof, links pivotally connected between said side bars and said adjustment member for moving said side bars away from and toward said central bar as said adjustment member is moved along the length of said central bar, and means holding said adjustment member in desired shifted positions along the length of said central bar, said adjustment member comprising a top plate mounted on the top face of said central bar, and flanges extended from the side of said top plate and bent about the longitudinal side edges of said central bar for slidably supporting said top plate to move longitudinally relative to said central bar.

2,629,608

ANIMAL CARRYING CART
Charles W. Jones, Ontario, Calif.
Application March 24, 1950, Serial No. 151,693
7 Claims. (Cl. 280-36)



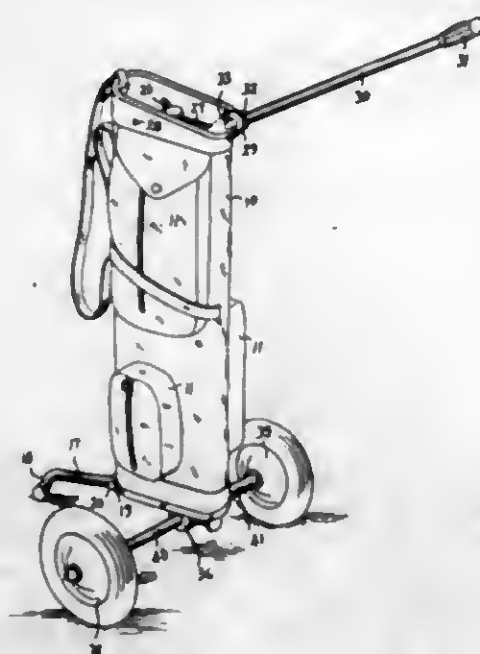
1. A collapsible cart comprising a pair of laterally spaced elongated frame members, each of said frame members comprising a plurality of sections in an end to end series and for relative folding movement between an extended and a collapsed condition, means interconnecting said frame members for relative lateral movement between active positions in predetermined laterally spaced relation and collapsed inwardly displaced positions, a transverse load supporting member, means mounting said load supporting member to one of the frame members for swinging movement relative thereto between an active position projecting inwardly toward the other frame member and a collapsed outer position, means operable upon movement of the load supporting member to said inwardly projecting position to interlock a pair of sections of said one frame member against relative folding movement from extended condition, and a ground traveling unit for movably supporting the cart.

2,629,609

WHEELED GOLF BAG
Harry R. Wilson, Waterloo, Iowa
Application August 6, 1951, Serial No. 240,507
6 Claims. (Cl. 280-36)

1. In a combination golf bag and dolly therefore, a frame consisting of a bottom plate, a vertical tubular supporting member mounted in said plate, a spider secured to the top of said vertical tubular supporting member, a bag for golf clubs arranged on said frame and secured at the bottom to said plate and at the top to the outer end of said spider legs, a first tubular axle, a first wheel rotatably mounted on one end of said tubular first axle, a second tubular axle, a second wheel mounted on one end of said second axle, a pin in said first axle extending transversely of its length and protruding from one side thereof, said pin being intermediate said first wheel and

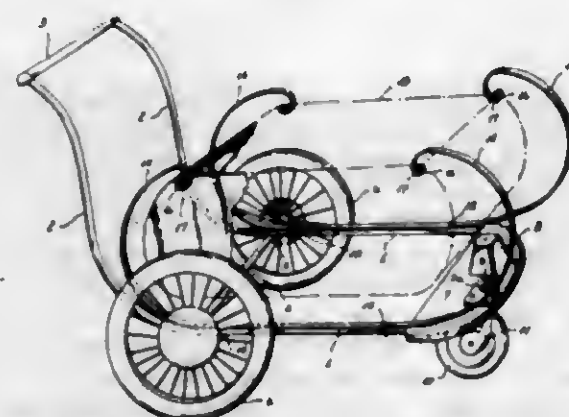
the free end of said first axle, an opening into said first axle intermediate said pin and the free end of said first axle, an opening in said second axle and extending transversely said second axle, an axle housing with a horizontal bore there-through depending from said plate, a notch on one end of said axle housing, said first axle slidable within said axle housing from said notched



end, said pin engaging said notch to limit the penetration of said first axle in said axle housing, said second axle slidable within said first axle from the free end thereof, said pin limiting the depth of penetration of said second axle into said first axle, said pin further serving as a means for aligning the openings in said axles so they register, and locking means on said plate adapted to register with the openings in said axles.

2,629,610

FOUR-POINT LEAF SPRING SUSPENSION FOR BABY CARRIAGES
Edgar B. Lied and John Tompkins, Elizabeth, N. J.; said Lied assignor to said Tompkins
Application July 19, 1950, Serial No. 174,632
2 Claims. (Cl. 280-47)



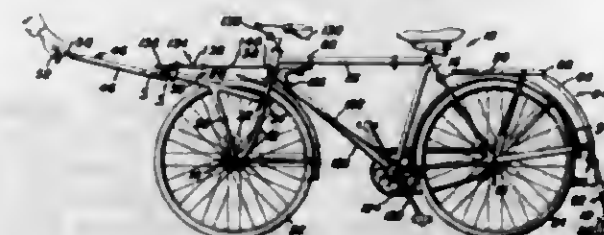
1. A baby carriage comprising: a chassis frame of metal tubing returned upon itself with integral handle brackets extending upwardly from the rear end of the frame, said frame being provided across its rear portion with an axle having wheels at its opposite ends, a single swivel wheel medially attached beneath the forward end of said chassis frame, a body above the chassis frame, and leaf springs arranged in upstanding parallel relation at the opposite sides of the

chassis frame and secured intermediate the ends of said springs to said frame, the opposite end portions of said springs being bowed in opposite directions and secured at their free terminal ends to the opposite sides of the body adjacent the upper open top of the latter to resiliently suspend the body above the chassis frame.

2,629,611

STABILIZING AND TOWING ATTACHMENT FOR BICYCLES

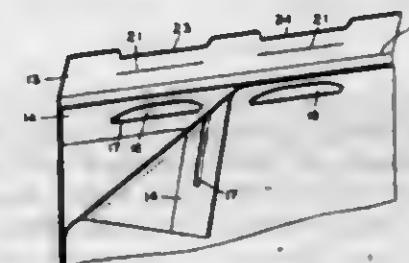
Robert H. Covington, Bradley, Ark.
Application January 6, 1949, Serial No. 69,464
7 Claims. (Cl. 280-292)



1. In a bicycle construction including a forward fork, forward and rear axles, a rear panel and a wheel brake, a towing attachment comprising a forward support mounted on the forward fork and forward axle, a hand receiving lever pivotally and removably secured to said forward support, a rear support mounted on the rear axle and the panel, a wheeled frame carried by said rear support, and means slidably carried by said forward support and operatively connected to the brake for actuating the latter, and means for locking said wheeled frame relative to said rear support in a raised or lowered position, said locking means including a plate fixed to said rear support and having an arcuate edge and a peripheral notch provided in said edge, a locking pin fixed to said frame and received in said notch.

2,629,612

CARBON PAPER HOLDER
Vincent J. St. John, Brecksville, Ohio
Application June 11, 1949, Serial No. 98,523
2 Claims. (Cl. 282-29)



1. A carbon paper holder, comprising a flexible backing sheet, and a plurality of carbon paper sheets arranged in superposed registering relation on said backing sheet, said backing sheet being provided adjacent its upper end with a pair of laterally spaced upwardly extending hinged tabs and each of said carbon paper sheets being provided adjacent its upper end with a pair of corresponding spaced slots through which said tabs extend, said backing sheet also being provided with a depending hinged flap underlying said tabs and having a pair of laterally spaced slots into which the upper end portions of said tabs are inserted to detachably interlock said tabs and said flap, said tabs being integral parts

of and having their free edges cut from said backing sheet and their formation providing a pair of openings in said backing sheet, the top edges of said carbon paper sheets terminating just below the top edges of said openings and portions of said carbon paper sheets being pressed into said openings by the engagement of said tabs with the backing sheet flap to additionally interlock the carbon paper sheets with said backing sheet, substantially the whole free edge of each tab being arcuate and convex in shape, said flap extending downwardly below said tabs and the lower edge portion of said flap being provided with notches, each notch of a width to snugly receive one of said tabs, the upper edge of each notch substantially overlying and coinciding with the fold line of its associated tab, whereby said tabs are readily inserted into or removed from said slots without excessively bending said tab by grasping the flap hinge line and pressing forwardly on said backing sheet to bend the portions of said flap between said hinge line and each slot for opening the slots and whereby said tabs and notches serve as a locating surface for the top edges of the original and copy sheets to be placed on top of and between said carbon paper sheets.

2,629,613

IMPLEMENT TO FACILITATE MANIFOLDING
Warren S. Schuck and Bernard D. Hendrickson, Los Angeles, Calif.; said Schuck assignor to said Hendrickson
Application October 22, 1949, Serial No. 122,984
5 Claims. (Cl. 282-29)



1. A manifolding device adapted to be frictionally engaged with a group of sheets free relative to each other, the device including a thin flat elongate body of flexible material substantially longer than it is wide and of such length as to be of substantially the same length as an edge portion of the group of sheets to which the device is applied and having one longitudinal edge forming a leading edge and the other longitudinal edge forming a trailing edge, a tongue intermediate said edges free to move laterally of the plane of the body and projecting toward the trailing edge, and a plurality of spaced straight elongate stops spaced from the leading edge in the direction of the trailing edge and facing toward the trailing edge, the stops being in line with each other and parallel with said leading edge.

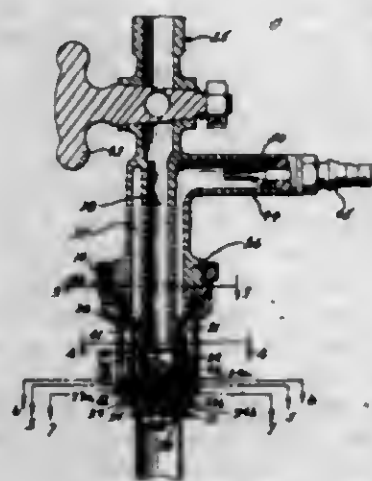
2,629,614

DISPENSING DEVICE

Jesse A. Valentine, Detroit, Mich.
Application June 5, 1946, Serial No. 674,485
1 Claim. (Cl. 284-15)

A barrel, a tap receiving fixture carried by said barrel, said fixture having an air chamber terminating in a set of arcuate orifices, a liquid chamber coaxial with said air chamber terminating in a set of arcuate orifices and a disc valve having a first set of arcuate orifices registerable with said air chamber orifices and a second set of arcuate orifices registerable with said liquid chamber orifices, a tap fixture having an air chamber and a liquid chamber for communicating with said air

and liquid chambers in said tap receiving fixture, means carried by said tap fixture for adjusting

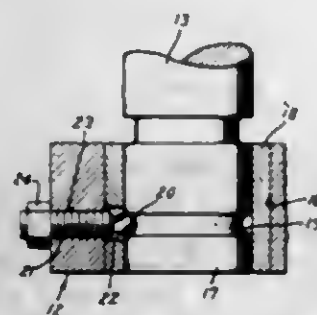


the angular position of said disc valve whereby the register of said orifices is altered.

2,629,615

REMOVABLE GUIDE PIN

Newman M. Marsilius, Trumbull, Conn., assignor to The Product Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application May 17, 1947, Serial No. 748,800
1 Claim. (Cl. 287—20)

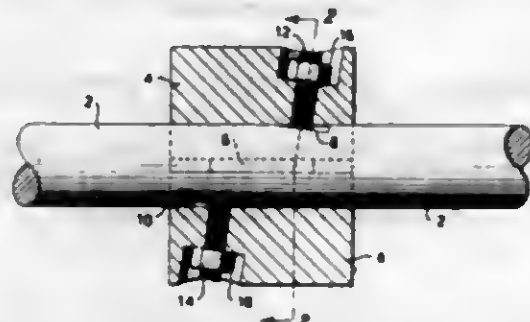


In combination, an elongated guide pin having a hardened inner end portion having an end surface and a cylindrical surface adjacent said end surface, a soft metal body having a guide pin receiving hole therethrough receiving the inner end portion of said guide pin, said hole being oversize with respect to the inner end portion of said guide pin, a hardened bushing in and having a tight fit in said hole and extending for the length thereof through said body and having an internal cylindrical surface axially unobstructed throughout its length of a diameter to snugly receive the inner cylindrical end portion of said guide pin by axial insertion therein, said inner end portion of the guide pin having a groove axially spaced from said end surface and presenting vertically spaced shoulders, said body and bushing having aligned holes therethrough laterally aligned with said groove, and retaining means laterally movable in said holes from a released position outwardly of said internal surface of the bushing to a pin retaining position inwardly of said internal surface to engage within said groove between said shoulders to thereby axially retain said pin in the angular position of its insertion in said bushing.

2,629,616

COLLAR FASTENER

Clarence H. McVey, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application March 9, 1950, Serial No. 148,698
4 Claims. (Cl. 287—52.08)

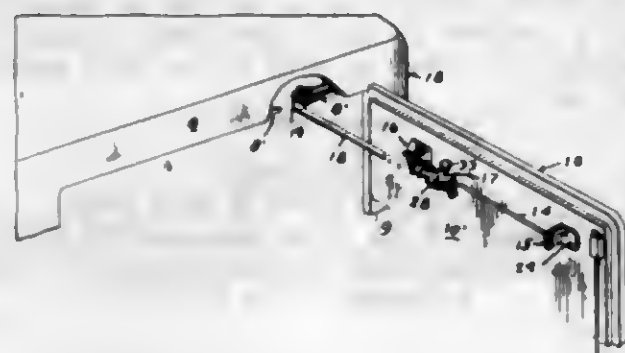


1. In combination a shaft, a collar mounted thereon, and means for locking the collar on the shaft in an axially adjusted position thereon, said means including a pair of plane surfaces formed on the shaft, said surfaces being inclined with respect to the longitudinal axis of the shaft with outwardly extending normals from said surfaces deviating in opposite directions from planes normal to the axis of the shaft, and a pair of members adjustably mounted in the collar, each of the members being positioned to engage one of the inclined surfaces.

2,629,617

DOOR HOLDER

Earl H. Sherman, Oakland, Calif.
Application February 10, 1951, Serial No. 210,315
3 Claims. (Cl. 292—275)

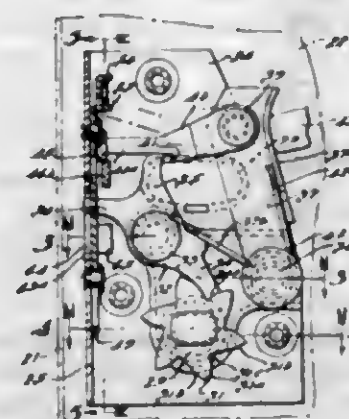


1. In combination with a door mounted for its swinging about an upright axis between closed and open positions with respect to a seat therefor provided by a doorway, a guide bar, mutually spaced inner and outer brackets mounted on the door at its inner face and cooperatively supporting said guide bar in generally radial relation to the swinging axis of the door, a head member providing a bore slidably receiving the guide bar portion between the brackets, a link hinged at one end thereof to said head for swinging in a plane including the guide bar axis and perpendicular to the swinging axis of the door, means pivotally anchoring the other link end at a fixed point with respect to the doorway, a conically tapered radial projection on said head extending in a line parallel to the axis of hinging of the link to the head in a plane including said axis, and a spring detent member carried by the inner bracket and providing a detent hook arranged to resiliently and yieldingly engage the outer side of said head projection to normally and releasably retain the head in a limiting inner position thereof.

2,629,618

DOOR LOCK

John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application August 19, 1948, Serial No. 45,043
11 Claims. (Cl. 292—280)

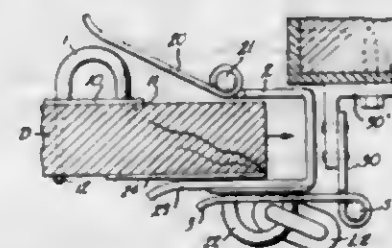


1. In a door latch mechanism for a swinging door, a support comprising a plate portion for disposition at the door jamb and having a flange extending from the inner edge thereof, a rotatable latch device mounted on said plate portion, detent means pivotally mounted on said plate portion to swing about a generally horizontal axis and including a unitary member having a plurality of arms, one arm extending downwardly from said axis and engageable with the latch device for holding the same in door latching position and a second arm extending upwardly from said axis, outer manually operable means for pivotally actuating said detent means and including a lever pivotally mounted on said plate portion and having a portion movable toward said flange upon swinging said lever, link means pivotally mounted on said lever portion and having a part normally arranged in operative relation to a part of said second arm and being shiftable upon swinging said lever to cause said parts to abut and shift the detent means thereby to disengage the detent means from said latch device, control means movably mounted on the support and engageable with said link means, and inner manually operable means for moving said control means to shift said link means to position said parts out of operative relation.

2,629,619

SLIDING DOOR LOCKING MECHANISM

John A. May, Seattle, Wash.
Application April 24, 1951, Serial No. 222,647
2 Claims. (Cl. 292—281)



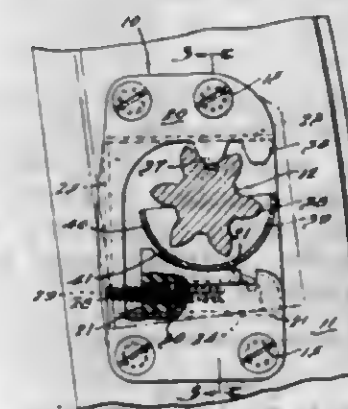
1. Locking mechanism for securing a slidable door to structure adjacent to such door comprising a rigid U-shaped yoke adapted to embrace the edge of the door with its web portion spanning the door edge and its leg portions extending along opposite faces of the door, respectively, a hasp pivotally mounted on the end of one leg of said

yoke remote from its web portion, a staple mounted on the door for engagement by said hasp, an anchor member carried by the structure adjacent to the door, to which the door is to be secured, latching means connected to the other leg of said yoke and operable to support said yoke thereby, including a second staple and a second hasp, and hinge means interconnecting said latching means and said anchor member and guiding said latching means for swinging to move said yoke from door edge engaging position into retracted position out of the doorway defined by the structure adjacent to such door.

2,629,620

LATCH BOLT KEEPER

John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application November 12, 1949, Serial No. 126,869
5 Claims. (Cl. 292—341.12)



3. A keeper structure adapted to be fastened to a body for cooperative engagement with a pair of relatively fixed vertically spaced door abutment members carried on a swinging door, comprising a frame member having a base portion and an overhanging portion spaced apart vertically to provide an opening closed at its inner side and at one end by a back wall and an end wall rigidly connecting said base and overhanging portions, a wedge, means slidably mounting said wedge within said opening above the upper surface of said base portion, spring means urging said wedge outwardly, the upper surface of said base portion providing a surface upon which the wedge is slidable between such surface and the lower of said door abutment members in wedging relation therebetween, and a plate member rigidly fastened to a recessed portion at one side of the overhanging frame portion, said plate member having spaced, tooth-like projections depending below the lower surface of the overhanging frame portion for cooperation with the upper of said door abutment members, said projections and said upper surface of the base portion being held by said frame member in fixed vertically spaced relation.

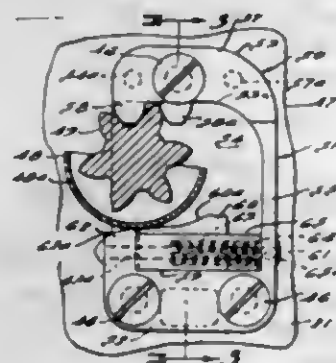
2,629,621

LATCH BOLT KEEPER

John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application December 17, 1949, Serial No. 133,499
5 Claims. (Cl. 292—341.12)

1. In a keeper device, a frame structure comprising a generally C-shaped body having upper and lower generally horizontal body portions spaced apart vertically to provide an opening closed at one side by a vertical portion of the

body rigidly connecting said upper and lower spaced portions, one vertical face of said upper body portion being recessed relative to the corresponding vertical face of said lower body portion, and a member having at least one keeper tooth formed thereon, said member being positioned against said one vertical face so that said

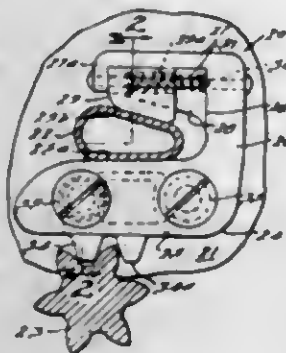


keeper tooth will project below the bottom surface of said upper body portion, said upper body portion and said member having aligned apertures therethrough adapted to receive a means used to fasten said keeper device on a body pillar, said means thereby retaining said member on said upper body portion.

2,629,622

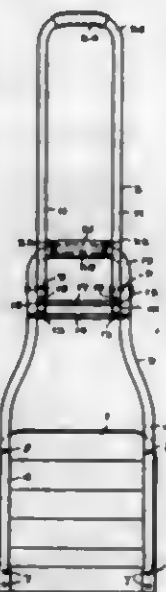
LATCH BOLT KEEPER

John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application December 23, 1949, Serial No. 134,800
7 Claims. (Cl. 292-341.12)



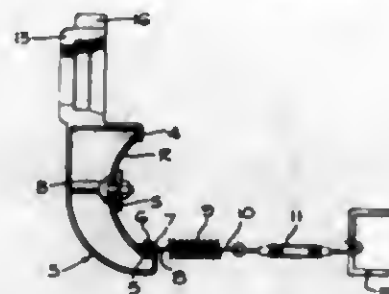
7. In a keeper device adapted to be fastened to a body for cooperative engagement with a latch bolt carried on a door member, a frame structure including a generally horizontally extending body portion having a recess therein extending inwardly from one of the vertical faces and opening vertically through a surface thereof, the depth of the recess being less than the thickness of the body portion thereby leaving a wall forming the bottom of the recess, an insert member having at least one keeper tooth formed thereon, said insert member being positioned within said recess so that the keeper tooth will project vertically beyond said surface of said base portion, and means immovably retaining said insert member within said recess against displacement by said latch bolt as said door member is moved to either an open or closed position.

1. A shovel or a like tool having a relatively wide working element and a handle extending upwardly from the working element, said handle comprising a frame arrangement including a lower frame having spaced longitudinal side members secured to said working element at opposite sides thereof, and a transverse hand grip portion extending between said side members



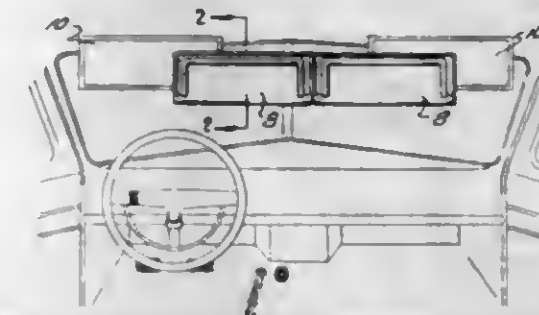
2,629,624
FOLDING SHOVEL OR LIKE TOOL
Lafayette H. Nelles, Toronto, Ontario, Canada, assignor to A. W. Taylor Industries Limited, Toronto, Ontario, Canada
Application September 30, 1950, Serial No. 187,730
5 Claims. (Cl. 294-57)

2,629,623
GUARD FOR VEHICLE BUMPERS
Robert N. Baker, Los Angeles, Calif., assignor, by means assignments, to Hugh Givens and R. N. Baker
Application October 15, 1949, Serial No. 121,533
13 Claims. (Cl. 293-64)



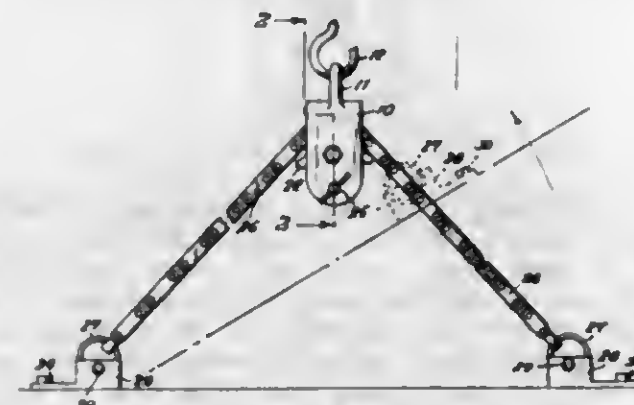
5. A bumper guard for motor vehicles comprising a guard member positioned above and parallel to a bumper, said member having a depending leg portion at each end thereof, a bumper engaging surface adjacent the free ends of each of said leg portions, means for detachably securing each of said leg portions to a bumper, a tension spring having one end thereof attached to one of said leg portions below the bumper and having the other end attached to the vehicle frame at a point so disposed that said spring extends substantially parallel to the longitudinal axis of the vehicle, a second tension spring similarly connected to the other leg portion of said guard and extending substantially parallel to said first spring and means associated with each of said springs manually operable to regulate the extent of tension exerted thereby.

and rigid therewith at the upper end of said lower frame and offset relative thereto in a direction rearwardly of the working element, and an upper frame having spaced longitudinal side members pivotally connected adjacent their lower ends to and disposed within the side members of said lower frame immediately below said hand grip portion, said upper frame being swingable between a position folded on and substantially coextensive with said lower frame and a position extending from said lower frame abutting said hand grip portion, a transverse hand grip extending between said upper frame longitudinal members at the upper end of said upper frame, said first-mentioned hand grip portion forming a fulcrum stop adapted to be held by one hand of an operator and limiting upper frame movement rearwardly of the lower frame and through which said upper frame exerts a leverage under pressure of the other hand of an operator to lift said tool and resilient latch means carried by one of said frames and adapted to engage a stop on the other of said frames to lock said upper frame for movement forwardly of said lower frame.



therebetween with its ends frictionally engageable with the adjacent surfaces of said ends, whereby with the legs of said attachment in embracing relation with respect to said sun visor the attachment is adjustable horizontally and vertically to a plurality of angular positions relative to said sun visor.

2,629,625
ADJUSTABLE LIFT CHAIN FOR HOISTS
Mortimer J. Phillips, Emmett, Idaho
Application May 20, 1949, Serial No. 94,419
1 Claim. (Cl. 294-74)

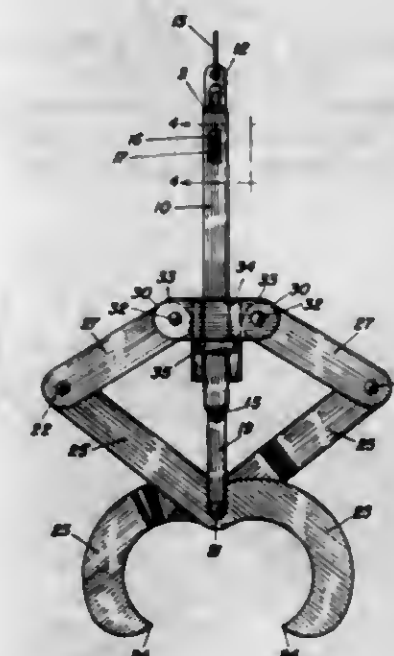


In an adjusting lift chain device for a hoist an inverted U-shaped casing, an eye formed at the upper end of the casing whereby the same may be connected to a lift hook, a hub removably and transversely mounted in the casing and having a squared portion between the arms of the casing, a gear non-rotatably mounted on said squared portion, a nuthead formed at one end of the hub, a nut threadably engaged at the other end of the hub, a chain extending through the casing and enmeshed with the upper portion of said gear, eyes attached to the outer ends of said chain for attachment to a device to be lifted and means for locking the gear in selected positions in said casing, said means comprising a pin removably mounted in the arms of the casing and engageable with the teeth of the gear.

2,629,626
SUN-STOP VISOR ATTACHMENT
Verne M. Ziller, Crescent City, Calif.
Application May 20, 1949, Serial No. 94,382
2 Claims. (Cl. 296-97)

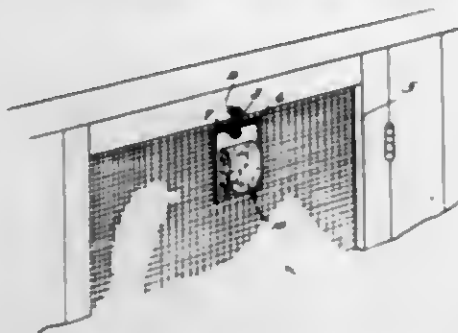
1. In an adjustable attachment for mounting on a vehicular sun visor, a rectangular sheet folded upon itself along the longitudinal center line thereof to form a folded portion of substantially semi-circular shape in cross-section and having

2,629,627
AUTOMATIC OPENING AND CLOSING TONGS
John T. Stone, Baltimore, Md.
Application February 4, 1949, Serial No. 74,647
2 Claims. (Cl. 294-110)



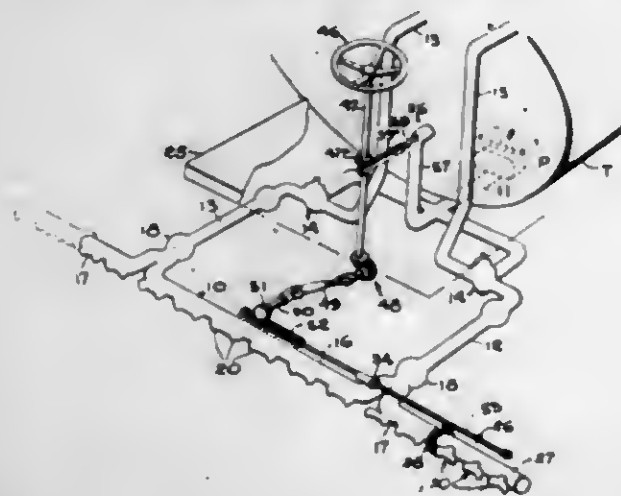
1. Tong mechanism comprising a hollow frame, an abutment carried outwardly by said frame near the lower end thereof, a pair of toggle arms, said arms terminating in jaws at their lower ends, connecting means between the upper ends of said arms straddling the frame above the abutment and normally resting on said abutment, a plunger slidably mounted in said frame, pivot means between one end of said plunger and the lower ends of the toggle arms, releasable locking means between the frame and plunger carried by said plunger, said releasable locking means consists of a latch pivoted to the plunger, and a deflector for said latch carried by the frame.

2,629,628
INSECT REPELLENT ATTACHMENT FOR
SCREEN DOORS
 Elzear J. Vaillancourt, Easton, Pa.
 Application October 11, 1951, Serial No. 250,829
 1 Claim. (Cl. 299-24)



An insect repellent device adapted to be positioned on a swinging closure, comprising a base constructed of thin sheet material, a pad mounted on one surface of said base, said pad being constructed of absorbent material adapted to contain an insect repellent solution, one end of the base extending a substantial distance beyond one end of the pad, the end of the base extended beyond the pad having an opening formed therein, a flexible supporting cord extending through the opening, and a screw eye adapted to be extended into the closure with which the device is used, said cord being extended through the screw eye, connecting the device to said screw eye holding the device in spaced relation with the surface of such closure whereby the device swings to and from the closure with the swinging of the closure.

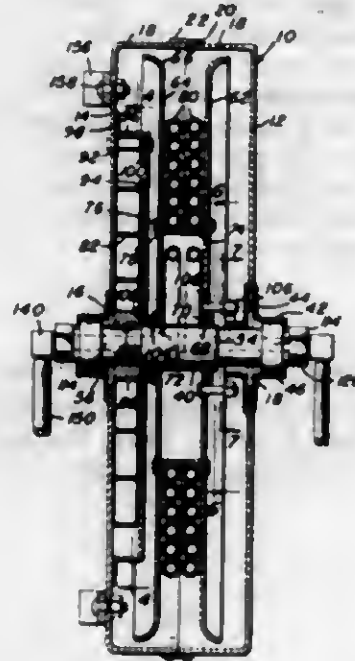
2,629,629
DISTRIBUTOR FOR BITUMINOUS AND
LIKE MATERIAL
 George M. Etnyre, Oregon, Ill.
 Application August 11, 1949, Serial No. 109,756
 14 Claims. (Cl. 299-34)



1. In a distributing system of the character described, in combination, an elongated distributor bar having a plurality of outlets each equipped with a valve operable to open or close the outlet, means operative to supply fluid material under pressure to said bar to establish a predetermined flow of material through said outlets when all of said valves are open, actuating means operable to open and close said valves in progressive order, valve means settable to by-pass varying amounts of material from said bar, said actuating means being operably connected to said valve means for varying the setting thereof as an incident to actuation of successive ones of said

valves to progressively increase the amount of material by-passed as said valves are closed and to correspondingly decrease the amount of material by-passed as said valves are opened.

2,629,630
OXYGEN ACETYLENE HOSE REEL
 Leon S. Roark, Shreveport, La., assignor of twenty-five per cent to Curtis Kinard, twenty-five per cent to Dawson Hawkins, and twenty-five per cent to Lloyd Furey, all of El Dorado, Ark.
 Application January 15, 1951, Serial No. 205,990
 4 Claims. (Cl. 299-75)

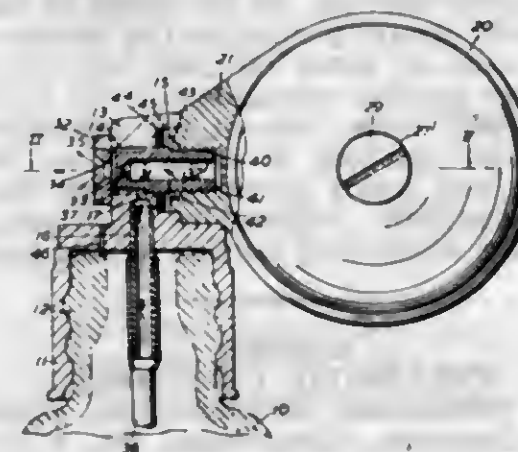


1. A hose reel comprising a housing including a pair of spaced side walls, a shaft rotatably journaled in said side walls, said shaft extending transversely of said housing, a pair of drum forming disks non-rotatably secured on said shaft, a split spirally formed band disposed between said disks, each of said disks having a row of apertures positioned adjacent the edge of said spirally formed band, ears on said band extending through said apertures, said ears being distorted to abut the outer faces of said disks, said shaft having a passage therein opening at one end thereof, means rotatably connecting a conduit to the end of said shaft and in communication with said passage, said passage having a transverse opening between said disks, a pipe secured in said transverse opening, said pipe extending in parallel relation with said spirally formed band and terminating at the split, a flexible conduit coupled to said pipe and adapted to be wound on said split band.

2,629,631
ATOMIZER HEAD
 Frederick Reginald Williams, Brightlingsea, England
 Application December 5, 1950, Serial No. 199,165
 In Great Britain March 21, 1950
 6 Claims. (Cl. 299-88)

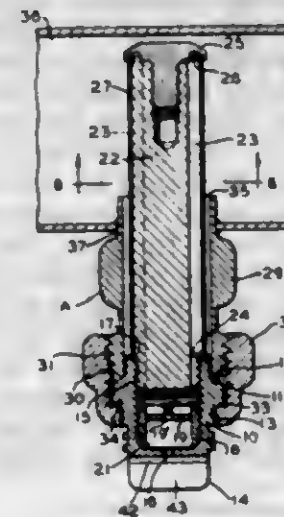
1. An atomizer head to be connected to a liquid container containing liquid to be atomized, comprising a fitting for attachment to the liquid container, a manually operated pump to provide a supply of pressure air, a nozzle made in one piece, means integral with said nozzle for operatively connecting said fitting to said pump, said nozzle also being formed with air and liquid ducts through which air from the pump and

liquid from the container can respectively pass, said ducts being so arranged that passage of pressure air through the nozzle produces a drop in pressure which causes liquid to be sucked up from the container and to be atomized by the pressure air passing through said nozzle unit, the atomized mixture being discharged through the nozzle outlet, said manually operated pump



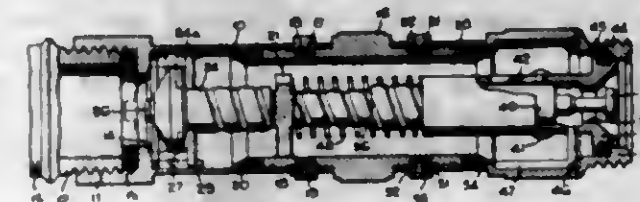
comprising a pump body and an air compression chamber in said pump body, and an annular space being provided between said fitting and said pump body, said annular space surrounding the nozzle and communicating on the one hand with said air compression chamber through an air duct in the pump body and, on the other hand, with the said air ducts in said nozzle.

2,629,632
SPRAY NOZZLE
 Ralph H. Munson, St. Paul, Minn.
 Application October 28, 1948, Serial No. 57,101
 2 Claims. (Cl. 299-106)



1. A spray nozzle including a nozzle tip, a metering disc removably supported within said nozzle tip, a nozzle tip adapter adapted to engage with said nozzle tip, means for maintaining the engagement of said nozzle tip and said nozzle tip adapter, a screen support having flutes formed longitudinally thereon and removably secured to the upper inner end of said nozzle tip, a screen positioned on said screen support, and an annular bevelled edge formed on the upper end of said nozzle tip to contact and confine the lower edge of said screen, a screw cap removably secured to the upper end of said screen support, an annular bevelled edge formed on the under surface of said cap engageably with the upper edge of said screen, an orifice formed in the lower end of said nozzle tip, and a channel formed in said tip intersecting said orifice.

2,629,633
HOSE NOZZLE
 Donald W. Wright, Rosemeade, Calif.
 Application July 23, 1951, Serial No. 238,036
 7 Claims. (Cl. 299-136)



4. In a hose nozzle, a sleeve attachable to a hose coupling, a barrel rotatably mounted thereon, a threaded stem carried by the barrel and disposed coaxially therewith, a closure threaded onto the stem having a slidable but non-rotatable connection with the sleeve whereby upon rotation of the barrel relatively to the sleeve the closure may be shifted longitudinally with respect to the sleeve, and a seat on the interior of the sleeve engageable by the closure.

2,629,634
VEHICLE WHEEL MOUNTING
 James C. Lewis, Detroit, Mich.
 Application September 12, 1949, Serial No. 115,166
 4 Claims. (Cl. 301-6)

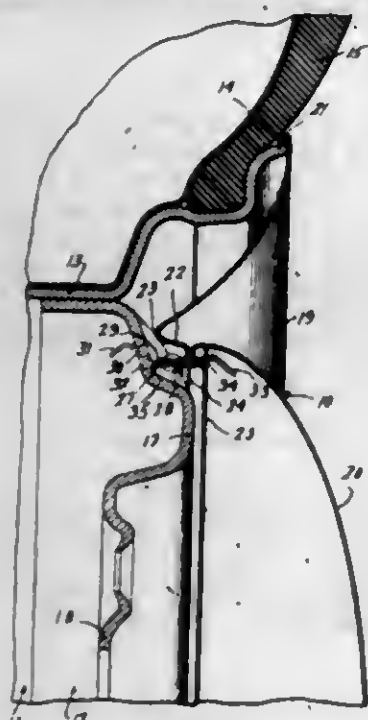


1. A vehicle wheel mounting adapted for use with a conventional brake drum assembly having outwardly extending lugs and a central outwardly extending hub, comprising an adaptor and a wheel, said adaptor including a plate having spaced lug receiving holes and a central hub receiving hole therein, and an annular flange having spaced slots therein; and said wheel comprising a tire receiving portion, a web secured to said tire receiving portion, spaced driving lugs adapted to fit within the spaced slots in said adaptor and extending radially inward from said web, a split locking ring disposed adjacent said spaced driving lugs and having an expansible coupling joining its free ends, and retaining means to hold said locking ring to the wheel when the ring is in the expanded position.

2,629,635
WHEEL COVER
 George Albert Lyon, Allenhurst, N. J.
 Application December 20, 1946, Serial No. 717,351
 27 Claims. (Cl. 301-37)

1. A vehicle wheel structure including a tire rim and a load-sustaining body part, the body part having an annular series of equally spaced apertures adjacent to but spaced from the juncture of the body part with the tire rim, and a

cover disposed in concealing relation to the outer side of the wheel, the cover comprising an outer annular cover member concealingly disposed over the outer side of the tire rim and the juncture of the tire rim and load-sustaining body part and having retaining means comprising respective generally axially inwardly extending portions retainingly engageable within said apertures in the wheel body and also generally axially outwardly extending portions, the portions of said retaining means being movable relative to the body of the outer cover member and being so re-

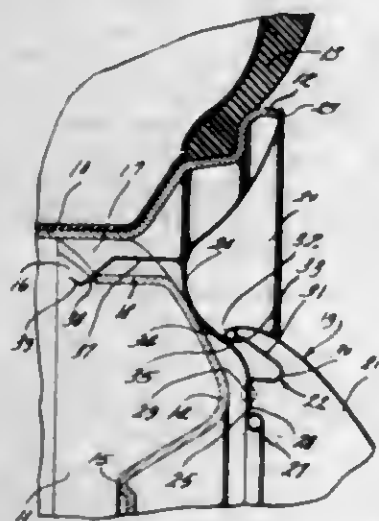


lated to each other that predetermined movement of the outer portions cause predetermined movement reaction of the inner portions toward substantially locked relation to the wheel body part within said apertures, and a circular inner cover member retainingly engageable with said axially outwardly extending portions of said retaining means and acting thereon to cause said predetermined movement of the outer portions and thus the predetermined movement of the inner retaining portions into the substantially locked condition within said apertures to hold the cover against unintentional displacement from the wheel.

2,629,636

WHEEL COVER

George Albert Lyon, Detroit, Mich.
Application July 29, 1947, Serial No. 764,354
12 Claims. (Cl. 301-37)



1. In a vehicle wheel structure including a tire rim portion and a wheel body portion, the wheel

body portion affording openings through the wheel, a cover assembly applied to the outer side of the wheel, said cover assembly including an annular cover member for substantially concealing the tire rim and having a portion overlying the radially outer part of the wheel body, attachment clip structures carried by said annular cover member and extending therethrough and engaging in the wheel openings to retain the annular cover member on the wheel in response to an axially inward push upon the annular cover member, and an inner circular hub cap simulating cover member engaging the clip structures at the axially outer side of the annular cover member and retained in assembly by the clip structures and acting thereon to draw the same into substantially frictionally interlocked relation to the wheel body portion at said openings.

2,629,637

PNEUMATIC UNLOADER

Philip R. Hornbrook, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application December 13, 1949, Serial No. 132,670
11 Claims. (Cl. 302-52)



1. In an unloader for a pair of hopper bottom vessels, the combination of a casing having extensions at its upper end adapted to be connected to the hopper bottoms of the respective vessels, a receptacle within the casing beneath each extension for receiving material from the vessel through said extension, each receptacle including end walls and downwardly convergent side walls, the lower end of each end wall of each receptacle having an opening therein, a discharge tube positioned in each of the openings and extending from the respective end wall to the outside of the casing for connection to a transport line, means within each receptacle forming an air passage, each air passage having an intake opening from the interior of the casing, and a sliding valve for controlling the intake opening of the passages, whereby when said sliding valve is open air for entraining material in the receptacle may pass therethrough into said air passage and out through one of the discharge tubes.

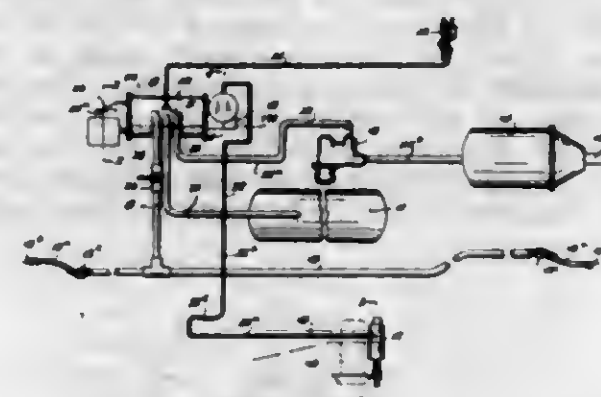
2,629,638

AIR-BRAKE APPARATUS

Jacob Rush Snyder, Cleveland, Ohio
Application June 5, 1947, Serial No. 752,650
48 Claims. (Cl. 303-40)

1. In a fluid pressure brake, a control valve mechanism including a housing having train pipe, auxiliary reservoir, supply reservoir, brake cylinder and atmosphere connections, valve means in said housing controlling said auxiliary reservoir, supply reservoir and brake cylinder connections, self-closing valve means controlling said atmosphere connection including a movable valve element, a piston adapted to be acted upon by auxiliary reservoir and train pipe pressures and to be shifted in response to a differential therebetween, and means enabling said piston to impart movement to said valve element during a portion of the travel of the piston in one direction only

comprising a thrust member hinged for swinging transversely of the direction of piston movement and means for causing such swinging of said

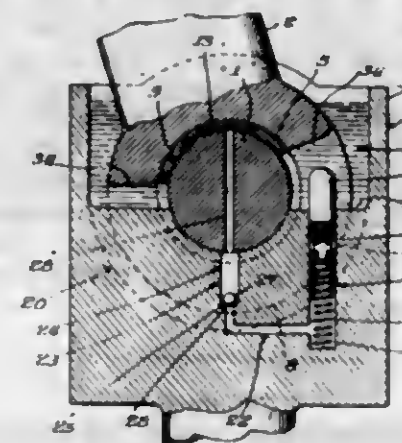


thrust member for releasing said valve element to permit reclosing thereof upon completion of said portion of the piston travel in said one direction.

2,629,639

BEARING LUBRICATING DEVICE

Einar K. Johansen, Oak Park, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application March 5, 1949, Serial No. 79,794
8 Claims. (Cl. 308-78)

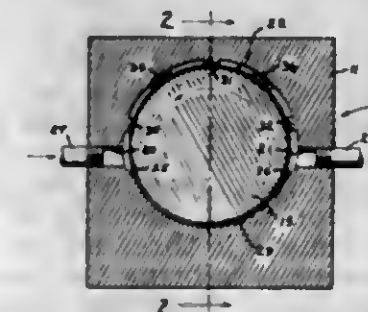


1. Bearing lubricating means for lubricating a bearing between a connecting rod and a cross-head, said cross-head having a bore therein leading to the bearing, an oil reservoir communicating with said bore, a plunger in the bore adapted to be operated by the movement of said connecting rod, and an injector valve also in the bore operated by the plunger to force oil into said bore and to the bearing.

2,629,640
BEARING

Giuseppe Cozzo, Yonkers, N. Y., assignor to Hydopress, Incorporated, New York, N. Y., a corporation of Delaware
Application July 8, 1950, Serial No. 172,753
7 Claims. (Cl. 308-76)

1. A bearing comprising a body formed with a bore for rotatably receiving a journal therein, a centrally arranged, circumferentially extending groove opening into the surface of said bore in its non-loaded portion, means supplying oil under pressure to said groove for flow through the latter in a direction counter to the direction of movement of the journal, and restricted area scraping and oil diverting means in said groove engageable with the non-loaded surface of the journal at circumferentially spaced areas scraping the hot

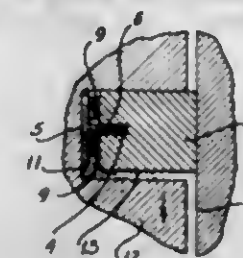


placed by another film from the counterflowing oil.

2,629,641

PISTON RING

Dallas M. Smith, Kirkwood, Mo.
Application March 29, 1946, Serial No. 658,102
7 Claims. (Cl. 309-44)

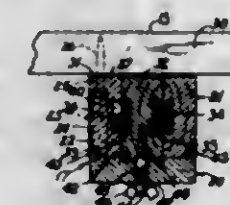


1. A packing combination for use on a piston having a groove, comprising a cylinder-engaging ring having a kerf in its inner periphery, and a complementary inwardly contractile ring having a circumferential rib about its outer periphery, said complementary ring having flanges extending axially from said rib in substantially parallel relation with but permanently spaced from the inner periphery of said cylinder-engaging ring, and said complementary ring having greater axial clearance in said groove than said first ring and than said rib in said kerf.

2,629,642

EXTENSION TABLE STABILIZER

Curtis Whallon, Richmond Heights, Mo., assignor to Meier and Pohlmann Furniture Company, St. Louis, Mo., a corporation of Missouri
Application July 13, 1951, Serial No. 236,574
2 Claims. (Cl. 311-70)



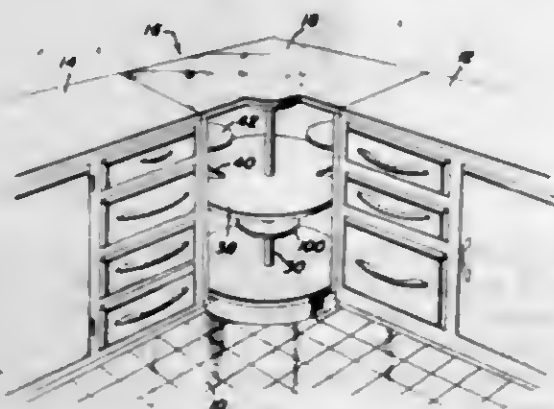
1. A stabilizing device for use in an extension table, said device comprised of a pair of spaced parallel drop rails, a floating rail carried between and slidably related to the drop rails, means providing a slidable tongue-and-groove type of operative connection between the floating rail and each of said drop rails, the floating rail having a lower depending portion which extends below the lower surfaces of the drop rails, a threaded element fixed to the floating rail, a clamp plate having an aperture through which said threaded

element extends, and a second threaded element received by the first said threaded element exteriorly of the clamp plate, the clamp plate being provided with a substantially medial channel and adjacent lateral clamping faces that normally underlie the drop rails, said channel being of a width to accommodate the said depending portion of the floating rail, and being of a depth which exceeds the extent of downward projection of the depending portion of the floating rail below the said drop rails, whereby as the second said threaded element is threaded upon the first said threaded element to bring the lateral clamping faces of the clamp plate into clamping relation to the drop rails, the clamp plate is precluded from clamping abutment with the floating rail in any position of the clamp plate.

2,629,643

CABINET WITH ROTATABLE SHELVES
Vernon F. Davidson, Shelton, Wash., assignor of one-half to Rudolph Werberger, Shelton, Wash.

Application December 3, 1948, Serial No. 63,294
4 Claims. (Cl. 312-238)



1. A corner cabinet comprising a casing having a top, bottom and sides, respectively, and a door forming opening extending from the top to the bottom of said casing, a rotor in said casing including an axial vertical shaft journaled in the top and bottom of the casing, said rotor having fixed side members spaced apart circumferentially of said rotor to provide openings in the rotor for registration with said door forming opening to provide for access to said rotor, said side members being rotatable selectively into closing relation to said door forming opening, and shelves on said side members spaced apart horizontally to provide a passageway between the same, said rotor having a top member provided with cut-out portions vertically aligned with the openings in the rotor to prevent said top member from overhanging the door forming opening in the casing when the openings in the rotor are registered with said door forming opening.

2,629,644

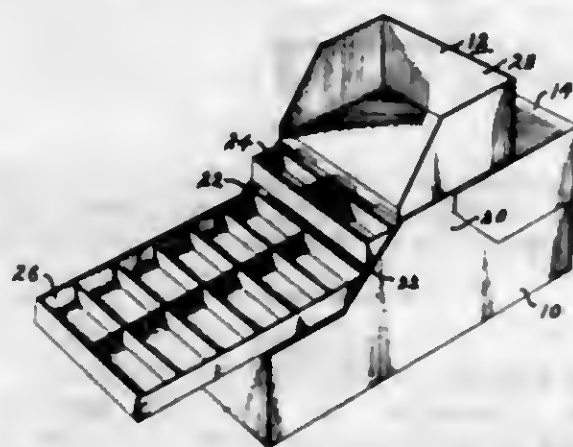
FISHING TACKLE BOX

George Heys, Dayton, Ohio

Application April 20, 1949, Serial No. 33,660
1 Claim. (Cl. 312-286)

A tackle box or the like comprising a body substantially rectangular in horizontal outline and formed from sheet material, the sides of the body being highest at the center thereof and there connected by a transversely extending member, each of the sides of the body having a pair of diagonally disposed upper edge portions extend-

ing downwardly from the highest portion and merging into horizontally disposed edge portions, the height of the horizontally disposed edge portions being substantially lower than the upper edge of the center part of the body and coextensive with the height of the upper edges of the end portions, a pair of cover members each of said cover members including a horizontally disposed top portion, a vertically disposed end portion overlapping the margin of the end of the body when in closed position, and side portions overlapping the sides of the body when in closed position.



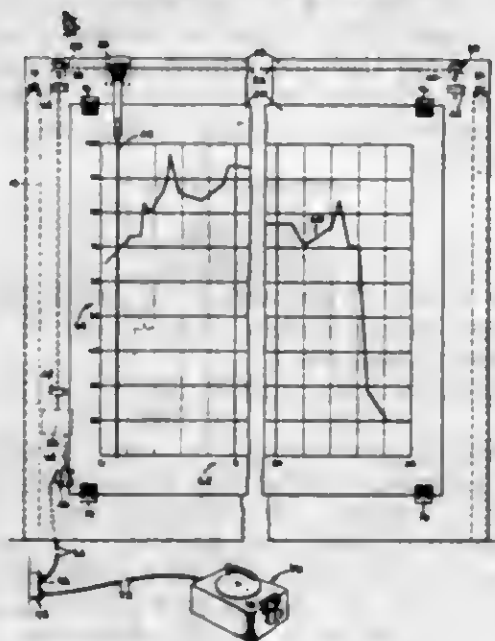
tion, said body and said cover members when closed being substantially rectangular in vertical outline, a pair of trays, and rails for supporting the trays, the rails for one tray being located above the level of the rails of the other tray, the rails of the lower tray being located above the upper edges of the ends of the body, the trays having a length approximately two-thirds the length of the body so that both trays may be moved into either end to provide an access opening to the bottom of the box when opening the cover member opposite the end towards which the trays have been moved.

2,629,645

AUDIENCE RESPONSE INDICATING SYSTEM

Paul Schwerin, White Plains, N. Y., assignor to Schwerin Research Corporation, New York, N. Y., a corporation of New York

Application October 22, 1947, Serial No. 781,454
9 Claims. (Cl. 346-17)



1. In an audience response indicating system, program apparatus for representing timed prog-

ress of a program to be observed by an audience, and in combination therewith of a chart apparatus comprising a frame structure having a chart mounting region for holding a chart of the response of the audience to selected portions of the timed progress of the program synchronized with the progress of the program of said program apparatus, said chart apparatus including an indicator mechanism comprising an elongated arm movably held on the frame structure for traversing said chart mounting region, synchronous impelling means arranged to operate in synchronized relation with said program apparatus and for moving the indicator structure across the chart mounting region at a speed correlated to the progress of the program for visually indicating the portion of the chart representing the audience reaction to the portion of the program being repeated said impelling means including a drive member and an adjustable transmission structure drivingly connecting said drive member to said indicator structure, said transmission structure having a movable element adjustably setttable to adjust the speed at which the motion of the drive member is transmitted to said indicator structure for adjustably bringing the motion of said indicator structure along a chart of predetermined timing length into synchronism with the timed progress of programs of different duration represented by said program apparatus.

2,629,646

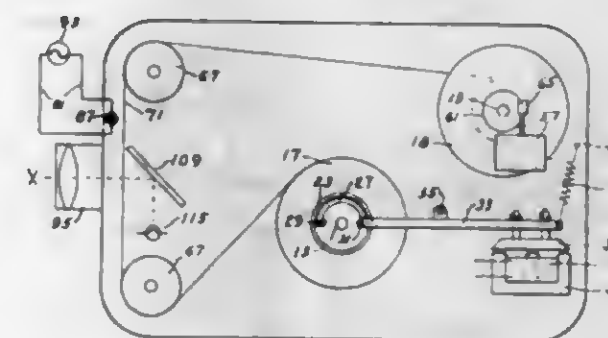
SHUTTERLESS RECORDING OSCILLOGRAPHIC CAMERA

Frederick P. Warrick, Detroit, Mich.

Application April 2, 1947, Serial No. 738,855
5 Claims. (Cl. 346-108)

1. In combination in a high speed shutterless oscillographic recording camera, supply reel ro-

tative support means for receiving and rotatively supporting a film supply reel with photo film thereon, drawing reel rotative support means for receiving and rotatively supporting a drawing reel, recording ray proof means having a recording ray transmitting area and forming a housing enclosing and mounting said reel supporting means spaced apart in a suitable cooperative relation, guide means for guiding film to traverse a predetermined path therein adjacent said re-



cording ray transmitting area as the film is drawn continuously from the supply reel by the drawing reel, a quick starting high speed electric motor for driving the drawing reel support means to start quickly and draw film from a supply reel and to move past said ray transmitting area for continuous high speed exposure as it moves along, a brake for quickly stopping said rotative reel supports, a spring for moving said brake, and an electromagnet energizable for moving said brake in opposition to said spring so that the brake is quickly released when the motor is started and quickly applied when the motor is stopped.

CHEMICAL

2,629,647

PROCESS OF ORNAMENTAL DYEING

Frances Joy Pitt, New York, N. Y.

No Drawing. Application February 3, 1949,
Serial No. 74,479

5 Claims. (Cl. 8-2.5)

1. The method of dyeing a piece of fabric with water soluble dyes which comprises impregnating an elongated piece of compressible fluid absorbent fabric material with an aqueous dye solution to an extent substantially less than the absorption capacity at normal temperatures and pressures, placing the wet impregnated piece in juxtaposition with a piece of fabric to be dyed and twisting the two pieces together and compressing the two pieces together at a pressure which transfers a part of the absorbed dye solution in the one piece into the other piece.

2,629,648

IMPREGNATED FIBROUS WALLBOARD AND METHOD OF MAKING

Walter P. Eriks, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York

No Drawing. Application July 7, 1949,
Serial No. 103,528

19 Claims. (Cl. 8-115.6)

1. The method of stabilizing fiber wall boards:

consisting essentially of felted cellulose pulp fibers against expansion and contraction with changes in atmospheric humidity, which process comprises, impregnating said boards substantially throughout said boards with between approximately 1% and 50% of at least one polycarboxylic acid, said polycarboxylic acid being in solution in a volatile hydrophilic solvent, and drying the resulting impregnated boards, said polycarboxylic acid being soluble in said volatile hydrophilic solvent and having a boiling point at least as high as 150° C.

2,629,649

VAPOR-PHASE CORROSION INHIBITOR

Aaron Wachter, Oakland, and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 31, 1949,
Serial No. 124,727

20 Claims. (Cl. 21-2.5)

5. A substantially solid inactive material having physically incorporated therewith an effective vapor phase corrosion-inhibiting amount of a non-aromatic amine salt of a carboxylic acid, the amine portion of said salt having not greater than about 35 carbon atoms therein.

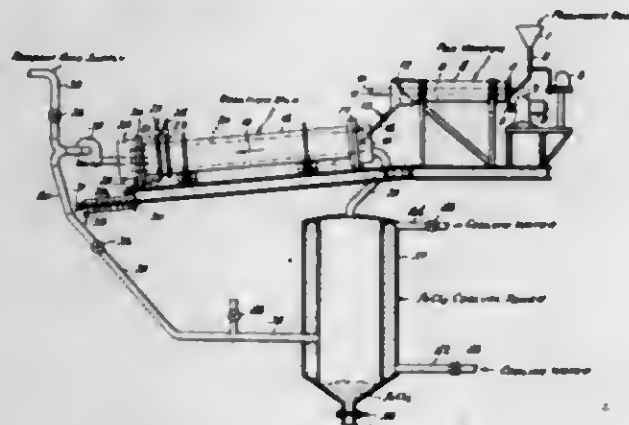
2,629,650

METHOD OF PURIFYING PHOSPHATE ROCK CONTAINING IRON IMPURITIES

Louis Eugene Dupont, Carlsbad, N. Mex., James Robert Archer, East Point, Ga., and William Fletcher Carter, Columbia Park, Ohio, assignors to International Minerals & Chemicals Corporation, Chicago, Ill., a corporation of New York

Application May 13, 1947, Serial No. 747,794

4 Claims. (Cl. 23-108)



1. The method of purifying phosphate rock containing iron impurities, which comprises: exposing the rock in comminuted form to gaseous hydrogen chloride containing at least about 70 percent of hydrogen chloride by volume at a temperature between about 350° and 400° C., whereby the iron is separated from the rock in the form of ferric chloride vapor, withdrawing the ferric chloride vapor and the excess hydrogen chloride from the reaction zone, and separating the ferric chloride from the hydrogen chloride.

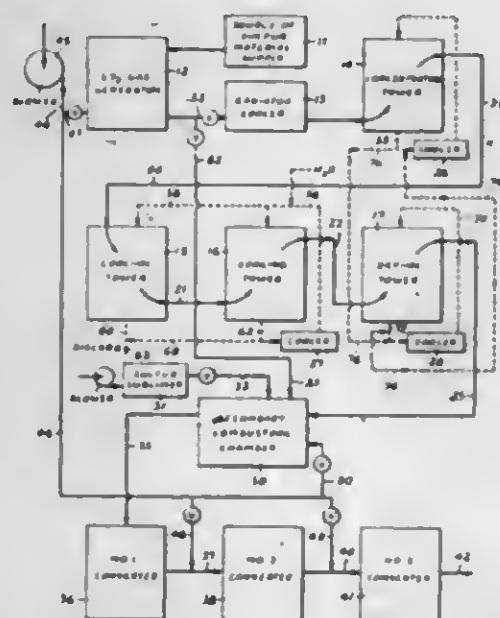
2,629,651

MANUFACTURE OF SULFURIC ACID

Henry F. Merriam, West Orange, and Urban S. Lauber, Ridgewood, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application July 15, 1949, Serial No. 104,838

3 Claims. (Cl. 23-175)



1. The process for making sulfur trioxide which comprises burning sulfurous material to form an initial hot gas stream having temperature not less than 1600° F. and containing SO₂ and acid mist forming constituents and a sub-

stantial quantity of H₂O, cooling said gas stream to not higher than about 120° F. to condense out most of said H₂O and form acid mist, contacting said gas stream containing said mist with sulfuric acid drying medium to further dry said gas stream and form an SO₂ gas at temperature substantially below initial conversion temperature and containing said sulfuric acid mist, burning in said SO₂ gas containing said mist, while in a refractory chamber, sulfurous material in quantity sufficient to raise the temperature of the resulting composite SO₂ gas to temperature at least approximating but not substantially in excess of initial conversion temperature to thereby vaporize said acid mist to change the same to non-deleterious form, and then catalytically converting SO₂ of said composite gas to SO₃, the entire foregoing operation being carried out at positive pressure and by utilization of undried atmospheric air as the oxidizing medium.

2,629,652

POROUS ANHYDROUS LITHIUM HYDROXIDE GRANULES

William H. Schechter, Lawrence, Kans., and Elliott D. Osgood, Washington, D. C.

No Drawing. Application April 3, 1948,

Serial No. 659,421

7 Claims. (Cl. 23-184)

(Granted under Title 35, U. S. Code (1952), sec. 266)

1. A method of preparing porous, anhydrous, non-dusting granules of lithium hydroxide which comprises pressing crystalline lithium hydroxide monohydrate having a water content of between about 40 and 45% under a pressure of at least 18,000 pounds per square inch to form a cake, breaking the cake into granules, separating the fines from the granules and heating the granules at a moderately elevated temperature to the anhydrous condition.

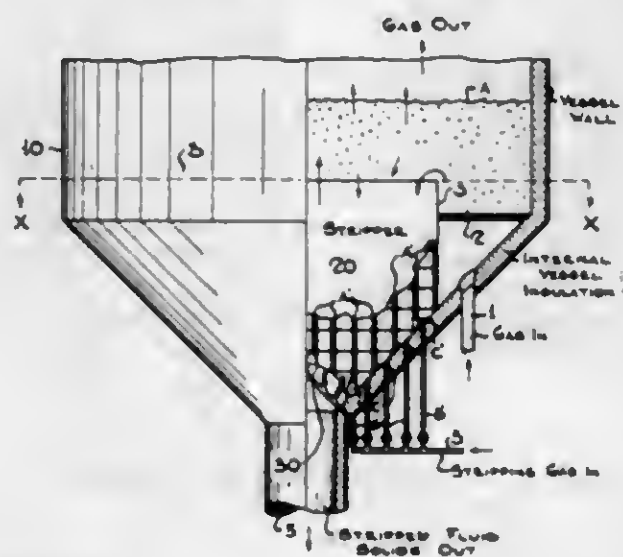
2,629,653

FLUID CONTACTING APPARATUS

Frank T. Barr, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 25, 1946, Serial No. 705,697

3 Claims. (Cl. 23-288)



1. Improved apparatus for stripping occluded gases from a moving hot stream of fluidized solid particles which comprises a vertical treating vessel adapted for operation at a temperature level of from about 1800° F. to 3000° F., above the range in which metals have practical utility for struc-

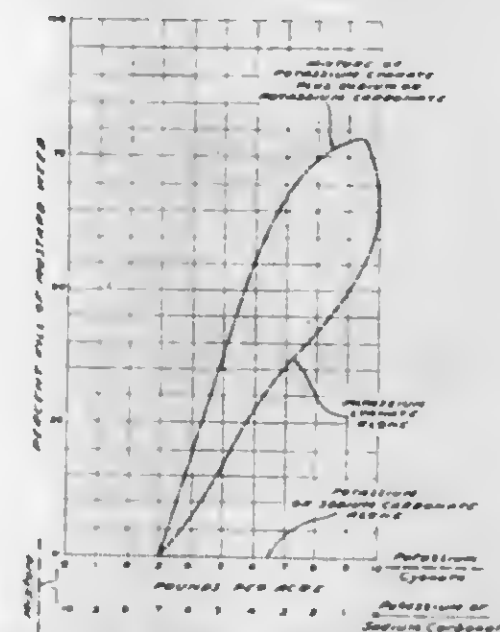
2,629,655

METHOD OF KILLING WEEDS

Frank L. Stark, Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application October 26, 1950, Serial No. 192,198

2 Claims. (Cl. 71-2.2)



tural purposes, means for introducing gases to the bottom of said vessel and means for withdrawing gases from the top of said vessel, means for introducing subdivided solids into said vessel, means for withdrawing hot fluidized solids from said vessel, said last-named means comprising a plurality of ceramic elements stacked in a bottom portion of said vessel so as to form a plurality of parallel vertical flow channels open at the top, said elements arranged in parallel with parallel vertical walls so as to be subjected to substantially only compressive stress, each element supported essentially from below by non-metallic supporting means forming a portion of said solids withdrawal means, said elements cooperating to provide in horizontal cross-section within said solids withdrawal means a cell structure whereby during continued exposure to the abrasive action of said moving hot particles a stream of said particles withdrawn from said treating vessel at said temperature level is split into a plurality of separate streams moving downwardly in parallel into and through said vertical channels, with separate means arranged in a lower portion of each of said channels for introducing hot stripping gases thereto, and means for withdrawing hot fluidized solids from each of said channels downwardly by gravity through cut-outs in the bottom portions of said ceramic elements into a common withdrawal line at the bottom of said treating vessel.

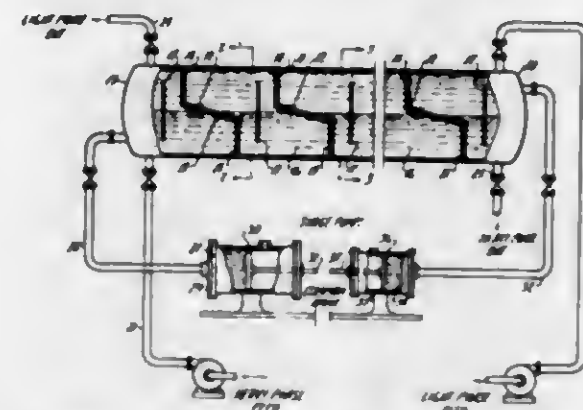
2,629,654

METHOD AND APPARATUS FOR CONTACTING FLUIDS

Richard B. Olney, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 9, 1946, Serial No. 708,865

11 Claims. (Cl. 23-310)



1. A method for intimately contacting two counter flowing, at least partially immiscible fluids having different densities which comprises establishing a series of contiguous, horizontally restricted bodies of the lighter fluid lying on a series of contiguous, horizontally restricted bodies of the heavier fluid, at least one of said bodies of the lighter fluid lying above portions of two adjacent bodies of the heavier fluid and at least one of said bodies of the heavier fluid lying below portions of two adjacent bodies of the lighter fluid, there being a perforated member between each restricted body of heavier fluid and the supernatant body of lighter fluid in the direction of flow of heavier fluid and a liquid-liquid interface between each restricted body of heavier fluid and another body of lighter fluid in the opposite direction; and alternately dispersing the lighter fluid into the heavier fluid through said perforated members and dispersing the heavier fluid into the lighter fluid through each of said perforated members.

2,629,656

PLASTIC ALLOY WHICH SETS AT ROOM TEMPERATURE

John P. Lyle, Jr., New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application February 16, 1951,

Serial No. 211,429

3 Claims. (Cl. 75-173)

1. A hardenable alloy composed essentially of not less than 49% silver, not less than 18% tin, 10 to 25% gallium, 1 to 6% copper and 0.05 to 1.5% zinc.

2,629,657

MULTICOLOR NEGATIVE FILM WITH INTEGRAL MASKING IMAGES

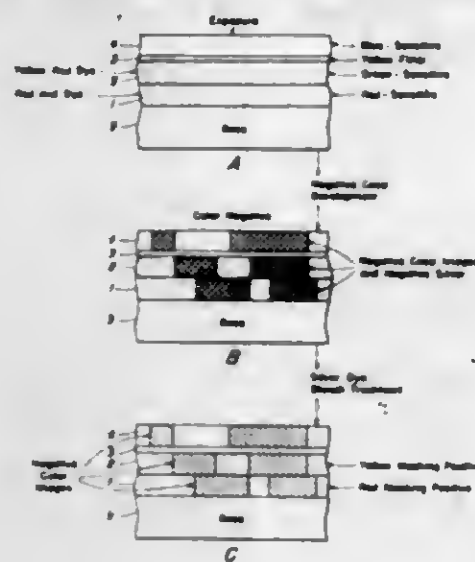
Herman H. Duerr, Herbert W. Morreall, Jr., and Harold C. Harsh, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Original application May 3, 1944, Serial No. 533,833, now Patent No. 2,464,798, dated March 22, 1949. Divided and this application March 5, 1948, Serial No. 652,250

1 Claim. (Cl. 95-2)

Subtractively colored multilayer transparent negatives suitable for printing comprising a base and three layers superimposed thereon, said layers containing in the innermost layer transparent cyan negative images, in the next adjacent layer transparent magenta negative images and in the outermost layer transparent yellow nega-

tive images and containing in the cyan layer red azo dye positive images of low color density and



in the magenta layer yellow azo dye positive images of low color density.

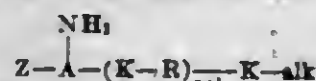
2,629,658

SILVER HALIDE EMULSIONS CONTAINING NONDIFFUSING AZO DYES

Joseph A. Sprung, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 11, 1948,
Serial No. 43,756

8 Claims. (Cl. 95-6)

1. A silver halide emulsion for use in the silver azo dye bleach process containing an azo dye fast to diffusion therein, the diazonium portion of said azo dye being derived from a primary aromatic amine of the following formula



wherein A is selected from the class consisting of a phenyl and an amino diphenyl radical, Z is selected from the class consisting of hydrogen, alkyl, alkoxy, halogen, sulfo and carboxy, K is a homopolar linkage selected from the class consisting of an ether linkage, a carbonamide linkage, a carbamyl linkage, a sulfonamide linkage and a sulfamyl linkage, alk represents an aliphatic chain of at least 8 carbon atoms, R is a phenyl radical and n equals a positive whole number not greater than 2.

2,629,659

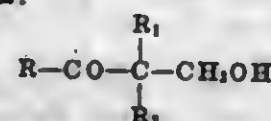
PROCESS OF HARDENING GELATINO SILVER HALIDE EMULSIONS

Fritz W. H. Mueller, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 7, 1948,
Serial No. 64,052

4 Claims. (Cl. 95-7)

1. A photo-sensitive element comprising a support and a gelatino silver-halide emulsion coated thereon, said emulsion containing as hardening means, 2,4-dihydroxybenzaldehyde, resorcinol,

and a keto alcohol characterized by the following general formula:



wherein R represents a member selected from the class consisting of methyl and ethyl groups, R₁ represents a member selected from the class consisting of hydrogen and methylol, and R₂ represents a member selected from the class consisting of hydrogen and methyl.

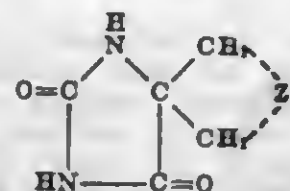
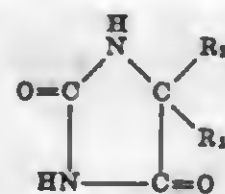
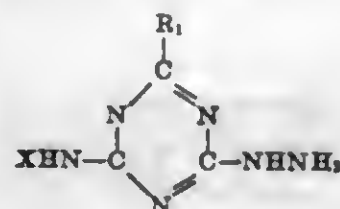
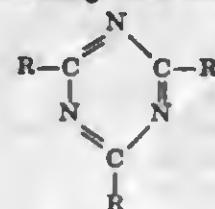
2,629,660

ANTIFADING BATHS FOR PHOTOGRAPHIC BLACK-AND-WHITE PRINTS

Harold C. Harsh, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 1, 1950,
Serial No. 198,728

5 Claims. (Cl. 95-88)

1. In the process of producing silver images in a silver halide emulsion layer by exposing the emulsion, developing and fixing and washing the same, the improvement which comprises preventing the fading and change in color of the silver images upon exposure to the atmosphere after the washing operation by rinsing the emulsion layer with an aqueous solution containing an addition product of formaldehyde and a compound selected from the class consisting of those having the following formulae:



wherein at least one R is an amino group having at least one reactive hydrogen atom, the remaining R's being radicals selected from the group consisting of hydrogen, hydroxy, amino, alkyl, alkylene, aryl, and aralkyl groups, R₁ represents a member selected from the class consisting of hydrazino, hydroxy, phenyl, and alkoxyalkyl groups, R₂ and R₃ represent a member selected from the class consisting of hydrogen, alkyl, allyloxyalkyl, and alkoxyalkyl groups, X represents a member selected from the class consisting of hydrogen and a primary amino group, and Z represents the divalent methylene radicals necessary to complete a member selected from the class consisting of 5- and 6-membered cycloaliphatic groups.

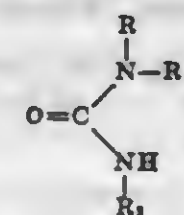
2,629,661

ANTIFADING BATHS FOR PHOTOGRAPHIC BLACK AND WHITE MATERIALS

E. Seudder Mackey, Binghamton, N. Y.
No Drawing. Application October 23, 1951,
Serial No. 252,808

6 Claims. (Cl. 95-88)

1. In the process of producing silver images in a silver halide emulsion layer by exposing the emulsion, developing, fixing and washing the same, the improvement which comprises preventing the fading and change of color of the silver images upon exposure to the atmosphere by treating the emulsion layer subsequent to development with an aqueous solution containing a water-soluble addition product of formaldehyde and a urea selected from the class consisting of those having the following formula:



wherein R, R₁ and R₂ each represent a member selected from the class consisting of hydrogen and lower alkyl, and wherein R₂ is always hydrogen when both R and R₁ are lower alkyl.

2,629,662

PROCESS OF TREATING PHOSPHATIDES AND PRODUCT

Percy L. Julian, Maywood, Herbert T. Iveson, Berwyn, and Marian Leitch McClelland, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 17, 1948,
Serial No. 33,684

24 Claims. (Cl. 99-15)

1. The process which comprises treating under aqueous conditions a phosphatide possessing unsaturated fatty acid radicals under hydroxylating conditions with an agent selected from the class consisting of mixtures of hydrogen peroxide and edible, water-soluble lower hydroxy carboxylic acid and peracids of said hydroxy carboxylic acids in sufficient amounts and for a time and at a temperature below the decomposition temperature of the phosphatide until the iodine value has been reduced from 5 to 25%, the amount of acid being such that the acidity of a 1% aqueous solution is not less than 3, and drying the product at a temperature below the decomposition temperature of the product.

2,629,663

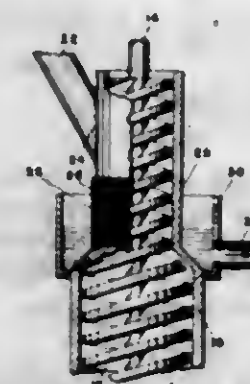
METHOD OF EXTRACTING GROUND ROASTED COFFEE

Benjamin B. Fogler, Lexington, and John B. Nugent, Winthrop, Mass., assignors to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application February 8, 1947, Serial No. 727,358

2 Claims. (Cl. 99-71)

1. Process for the continuous countercurrent extraction of ground roasted coffee which comprises continuously introducing said coffee into one end of an elongated passageway so as to fill said passageway throughout the diameter thereof, moving said coffee continuously away from said end through said passageway toward the

other end thereof and into contact with water flowing countercurrently to said coffee thereby causing said coffee to be wetted by said water and to swell, continuing the movement countercurrent to said water, of said swelled wetted coffee, as it swells, into a zone of larger cross-section extending throughout the remainder of said passageway whereby to prevent plugging of the passageway by the swelled coffee, continuously removing said coffee from the end of said pas-



sageway after its travel therethrough, continuously introducing fresh hot water free of dissolved coffee solids into said passageway adjacent the point of exit of said coffee therefrom, and continuously removing said water, after its flow through said passageway in countercurrent extractive relationship with said coffee, together with its contained coffee solids, at a point adjacent the point of initial introduction of said coffee.

2,629,664

STABILIZED AQUEOUS FATTY COMPOSITIONS

Betty M. Watts, Fayetteville, N. Y., and Henry V. Moss, Anniston, Ala., assignors to Syracuse University, Syracuse, N. Y., a corporation of New York
No Drawing. Application November 19, 1949,
Serial No. 128,492

15 Claims. (Cl. 99-163)

1. A composition of matter comprising an aqueous phase and a fatty phase and as an antioxidant therefor about 0.005% to about 1% by weight of a mixture of a phenolic antioxidant and a normal molecularly dehydrated alkali phosphate having the formula M₂O.P₂O₅ in which M is an alkali metal selected from the group consisting of sodium and potassium and the molar ratio of M₂O to P₂O₅ is in the range of 1:1 to 1.7:1.

2,629,665

DIETETIC FOOD PRODUCT AND METHOD OF PREPARING THE SAME

James B. Gordon, Burlingame, Calif.
No Drawing. Application October 31, 1951,
Serial No. 254,185

5 Claims. (Cl. 99-186)

1. The method of sweetening dietetic canned fruit which comprises adding a syrup-like water solution which includes from .02% to 1.3% by weight of a material selected from a group consisting of sodium cyclamate and calcium cyclamate, and soluble saccharin in an amount less than .08% by weight.

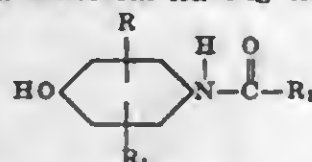
2,629,666

RUST PREVENTATIVE COMPOSITION
Arnold J. Morway, Clarktownship, Union County,
and David W. Young, Roselle, N. J., assignors
to Standard Oil Development Company, a cor-
poration of Delaware

No Drawing. Application May 18, 1951,
Serial No. 227,098

5 Claims. (Cl. 106-14)

1. A rust preventative composition consisting essentially of an asphalt which has been thickened to a grease-like structure with 0.5% to 6.0% by weight of a material having the formula:



wherein R and R₁ are selected from the class consisting of hydrogen and alkyl groups containing from 4 to 15 carbon atoms and R₂ is an alkyl group containing from 4 to 22 carbon atoms.

2,629,667

RETARDED SET CEMENT AND SLURRIES THEREOF

Herman Henry Kaveler, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 27, 1949,
Serial No. 135,313

20 Claims. (Cl. 106-93)

1. A cement capable of forming a fluid slurry when mixed with water, said cement comprising a hydraulic cement mixed with a minor proportion of at least one of the group consisting of alkyl hydroxyalkyl cellulose mixed ethers where the alkyl group contains 1 to 4 carbon atoms and the hydroxyalkyl group contains 2 to 4 carbon atoms.

7. A hydraulic cement slurry comprising a hydraulic cement, water and a minor proportion of methyl hydroxyethyl cellulose mixed ether.

2,629,668

LINOLEUM BINDER CONTAINING ESTERS FORMED BY REACTING UNSATURATED DRYING OIL FATTY ACIDS AND HYDROXYALKYL ETHERS OF POLYHYDRIC ALCOHOLS

Carl T. Fiscella, Rutherford, N. J., assignor to Hayden Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 18, 1948,
Serial No. 44,996

8 Claims. (Cl. 106-243)

1. A linoleum material comprising filler and binder containing the reaction product of a hydroxyalkyl ether of a polyhydric alcohol containing at least four hydroxyl groups, said ether having been formed by reacting a polyhydric alcohol containing at least four hydroxyl groups with an alkene oxide, and an unsaturated drying oil fatty acid, all of the hydroxyl groups of said hydroxyalkyl ether being esterified by reaction with said drying oil fatty acid.

2,629,669

COLD-ROLLABLE PAVING MIX

Benjamin A. Anderton, Cliffside Park, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 16, 1950,
Serial No. 150,110

8 Claims. (Cl. 106-281)

1. A bituminous paving mix comprising mineral aggregate, pulverized coal and a bituminous

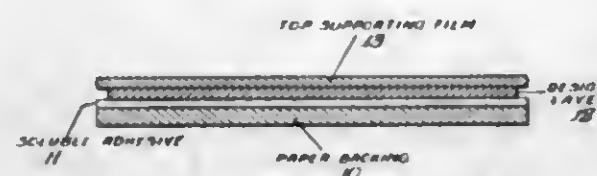
binder fluid at atmospheric temperatures, said binder being from the group consisting of asphaltic binders having an absolute viscosity at 25° C. within the range of 50 to 5000 poises and tar binders having an absolute viscosity at 25° C. within the range of 20 to 3000 poises, the constituents of said mix being in the proportions of approximately 1% to 10% pulverized coal, 3% to 10% binder and 80% to 96% mineral aggregate, said paving mix having the property of remaining friable and workable in storage at atmospheric temperature and can be laid at atmospheric temperatures to produce the paving surface.

2,629,670

VITREOUS DECALCOMANIA

Harry C. Rathke, Chicago, Ill., assignor to The Meyercord Company, Chicago, Ill., a corporation of Illinois

Application July 23, 1948, Serial No. 40,316
1 Claim. (Cl. 117-3.6)



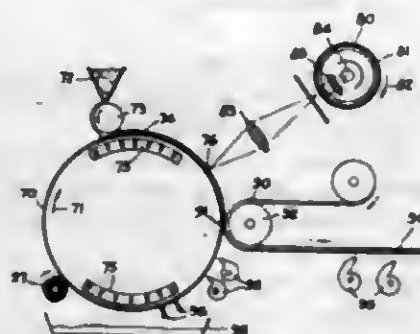
A decalcomania comprising a water permeable backing coated with a soluble adhesive layer, a vitreous design layer on said adhesive layer containing a pulverized vitrifiable material in a combustible binder, and a flexible supporting film disposed directly over design layer, said design layer and said supporting film being releasable as a unit from said backing to permit said design layer to be adhered to an article to be decorated with said supporting film outermost, said supporting film comprising interspersed discrete particles of ethyl cellulose and a polymerized methyl methacrylate resin with said ethyl cellulose being present in said film in a major proportion, and said supporting film being partially merged with said design layer at the interface therebetween.

2,629,671

PHOTOTHERMOGRAPHY, PRINTING SHEET AND PRINTING INK THEREFOR

Alexander Murray, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

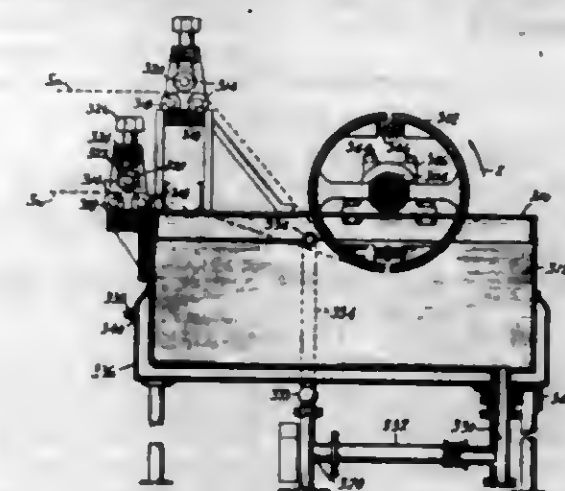
Application August 16, 1947, Serial No. 768,979
7 Claims. (Cl. 117-8)



1. The method of printing onto paper which comprises (1) coating onto a flat support a uniform layer of ink which absorbs heat producing radiation and converts it to heat and which con-

tains a coloring material and a vehicle which is an organic compound selected from the group consisting of benzophenone and methyl o-benzoylbenzoate, said ink containing no material other than said vehicle melting within 20° C. of the melting point of the vehicle and which ink both in its solid state below the melting point and its liquid state immediately above the melting point is stable and does not adversely affect paper, (2) bringing the support and ink layer to a uniform temperature below and within 20 degrees centigrade of the melting point of the vehicle, (3) illuminating all at one time an area of said layer with heat producing radiation by projecting said radiation onto said area through a negative sheet which has radiation transparent and radiation opaque areas, said radiation being of sufficient intensity and projected for a sufficient time to raise the temperature of the ink at the radiated areas above the melting point without melting the ink at the non-radiated areas, (4) allowing the melted areas of ink to fuse to a sheet of paper forming a positive print and (5) physically removing the unmelted areas only of the ink.

transverse dimension of said spacing material, and a soap compound of at least semi-solid con-



sistency interposed between opposing faces of adjacent loops of strip.

2,629,674

METHOD FOR TREATING CELLULOSE AND PRODUCT THEREOF

Walter P. Ericks, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York

No Drawing. Application July 7, 1949,
Serial No. 103,527

8 Claims. (Cl. 117-140)

1. The method of stabilizing fiber boards consisting essentially of felted cellulose pulp fibers against expansion and contraction with changes in atmospheric humidity, which process comprises, impregnating said boards substantially throughout said boards with a solution in a volatile hydrophilic solvent of a mixture of a thermosetting resin and at least one polyhydric alcohol to cause said alcohol to penetrate between the fibers and into the fiber cells, and drying and heating the resulting impregnated boards to cure said resin, said polyhydric alcohol and thermosetting resin being soluble in said volatile hydrophilic solvent, said polyhydric alcohol having a boiling point at least as high as 150° C., said solution having a concentration of said mixture between approximately 5 and 60% and said thermosetting resin constituting between approximately 5 and 50% of said mixture.

2,629,675

PROCESS OF REMOVING HEAT-SEALED ADHESIVE LABELS

Arthur G. Quimby, Brookline, and Joseph A. Venedam, East Boston, Mass., assignors to Doe & Ingalls, Inc., Everett, Mass., a corporation of Massachusetts

No Drawing. Application May 3, 1949,
Serial No. 91,236

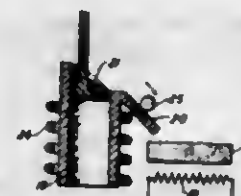
1 Claim. (Cl. 134-29)

The improved process of removing heat-sealed adhesive substances, labels, or the like from the surface of an article, glass, metal or the like which consists in two continuous steps; first, applying to the surface of the substance to be removed a heated solution containing as ingredients an alkali and a sodium phosphate in the proportions of an ounce of alkali to three ounces of sodium phosphate admixed in a gallon of water and heated within a range of 180° F. to 212° F., applying said solution from approximately 30 to 90 seconds, and thereupon applying a second treatment of said heated solution as a

2,629,672
METHOD OF MAKING SEMICONDUCTIVE TRANSLATING DEVICES

Morgan Sparks, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 7, 1949, Serial No. 103,474
8 Claims. (Cl. 117-37)



5. The method of making a semiconductive body for translating devices which comprises dropping a globule of molten P conductivity type semiconductive material selected from the group consisting of germanium and silicon, upon a heated body of N conductivity type material selected from the group consisting of germanium and silicon, in an oxygen free atmosphere, cooling the globule base unit, and heating the unit thus formed to reconvert to N-type any of the initially N-type material that had been converted to P-type.

2,629,673

METHOD OF COILING AND COATING FLAT METAL STOCK AND THE ARTICLE FORMED THEREBY

Crosby Field, Brooklyn, N. Y.

Original application September 18, 1946, Serial No. 697,750. Divided and this application August 13, 1948, Serial No. 44,010

4 Claims. (Cl. 117-48)

1. An article of manufacture comprising a substantially flat-sided coil of metal having characteristics which make it suitable for conversion into metal wool; said stock comprising a metal strip of long and narrow substantially rectangular over-all transverse cross section, each loop of the coiled strip being spaced from the next loop of the strip by an intervening narrow spacing material, the long transverse dimension of said metal strip being several times as great as the long

spray under pressure of from 30 to 60 pounds per square inch from 30 to 90 seconds and while heated within a range of temperature from 180° F. to 200° F.

2,629,676

CORROSION INHIBITORS

Carl F. Prutton, New York, N. Y., assignor to The Lubrizol Corporation, Wickliffe, Ohio, a corporation of Ohio

No Drawing. Application September 2, 1949,

Serial No. 113,909

9 Claims. (Cl. 148—6.17)

1. A corrosion inhibitor for metal surfaces comprising the combination of an oil-soluble organo-metallic phosphide, which compound has a metal substituent solely attached to phosphorus and contains at least one organic radical selected from the class consisting of hydrocarbon and halogen-containing hydrocarbon radicals, and a non-aqueous oil vehicle.

2,629,677

PROCESS OF MANUFACTURING COMPOUND CUTTING MACHINE KNIVES

Harold D. Stuck, Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts

Application October 11, 1949, Serial No. 120,632

3 Claims. (Cl. 148—12.4)



1. The process of making a compound flat cutting machine knife having a soft steel backing portion with the formula:

Carbon	Percent
Manganese	0-.25
Silicon	0-.50
Balance iron	0-.30

and a hard steel cutting portion with the formula:

Carbon	Percent
Manganese	.80-1.25
Silicon	.20-.50
Chromium	.20-.50
Molybdenum	4.00-12.00
Tungsten	3.00-6.00
Vanadium	.50-18.00
Balance iron	.50-4.00

which comprises: double beveling one longitudinal edge of a bar of soft steel and a corresponding edge of a bar of hard steel, clamping said bars together with said edges in engagement, preheating said bars to a temperature between 800° and 1100° F., electric arc welding the edges of said bars together by depositing molten metal from a low carbon steel electrode in the grooves formed by the beveled edges using a plurality of passes of said electrode along each groove, and prior to cooling below the preheating temperature, annealing by further heating to 1600° F. and slow cooling, thereafter reheating the annealed bar to a temperature between 2075° and 2125° F. and hot rolling to elongate the bar and materially decrease its thickness, reannealing the hot rolled bar and then heat treating to harden and temper the cutting portion thereof.

2,629,678

ARTIFICIAL LEATHER

Robert D. Thompson, Sterling W. Alderfer, and Alfred Bosshard, Akron, Ohio, assignors to Andrews-Alderfer Company, Akron, Ohio, a corporation of Ohio

Application September 11, 1950, Serial No. 184,133

2 Claims. (Cl. 154—46)



1. As a new product of manufacture, a flexible laminated sheet comprising a layer of foamed and vulcanized latex sponge rubber, a layer of woven fabric on a surface of the sponge rubber, and a flexible layer of a synthetic resin forming an outer wear-resisting surface which is adhered to the surface of the fabric, the sponge rubber layer being united to the fabric layer by the penetration of the sponge rubber into the meshes of the fabric.

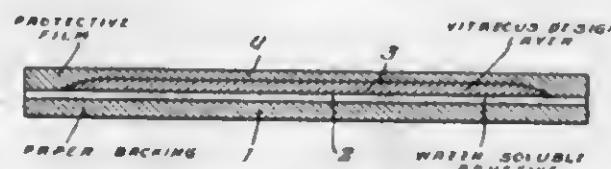
2,629,679

VITREOUS DECALCOMANIA AND METHOD OF APPLYING THE SAME

Harry C. Rathke, Chicago, Ill., assignor to The Meyercoed Company, Chicago, Ill., a corporation of Illinois

Application June 8, 1948, Serial No. 31,830

25 Claims. (Cl. 154—99)



1. In a decalcomania, a film comprising a pulverized vitrifiable material in a binder comprising ethyl cellulose and a polymerized methyl-methacrylate resin.

10. The method of applying a vitreous design film containing pulverized ceramic material and a binder material therefor for firing on the surface of an article to be decorated which comprises applying the film to said surface, applying a mixture containing a solvent and a plasticizer for the binder material to said film to convert the same to a softened, semi-fluid state, and then firing the same.

18. A ceramic coating composition for use in applying a design to an article of glassware, chinaware and the like comprising a finely pulverized ceramic material, a solvent, and a binder comprising two incompatible resinous film-forming combustible materials, said ceramic material being distributed throughout the composition in suspension therein and the incompatible binder materials being dispersed into minute, individual and separate droplets.

2,629,680

FUEL TANK PANEL

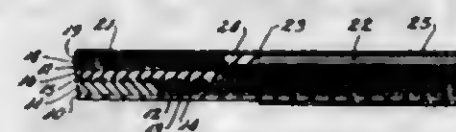
Karl R. Henry, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application September 21, 1948, Serial No. 50,391

4 Claims. (Cl. 154—118)

1. A method of making an accurately dimensioned self-sealing fuel cell panel from heat-shrinkable materials comprising the steps of adhesively assembling together a plurality of plies

of heat-shrinkable nylon fabric and butadiene-styrene synthetic rubber, said fabric plies extending beyond said butadiene-styrene rubber plies to form marginal zones of reduced thickness, adhering a liner of butadiene-acrylonitrile synthetic rubber composition to one face of said assembly, heating the product to shrink said fabric and vulcanize said butadiene-styrene and butadiene-acrylonitrile rubber, cutting off a portion of said marginal zones to provide a pre-



shrunk accurately dimensioned vulcanized member, adhering a metallic reinforcing strip along said cut edges at the face of said member opposite said liner, said reinforcing strip lying wholly beyond the margins of said butadiene-styrene rubber plies and being substantially equal in thickness thereto, and then adhering a smooth thermoplastic cover ply over the face of said member opposite said liner, and over said metallic strip, said cover ply extending around the cut edges of said member.

2,629,681

INSECTICIDAL COMPOSITION COMPRISING A THERMAL DECOMPOSITION PRODUCT OF PENTACHLOROPENTADIENOIC ACID

Hubert M. Hill, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 20, 1949,

Serial No. 134,118

3 Claims. (Cl. 167—22)

1. A composition effective for the killing of insects which comprises a mixture of .05-10% of the product resulting from thermally decomposing pentachloropentadienoic acid having a melting point of approximately 125° C. by subjecting the same to a temperature within the range of 150-300° C. until evolution of HCl ceases, and 90-99.5% of a carrier therefor.

2,629,682

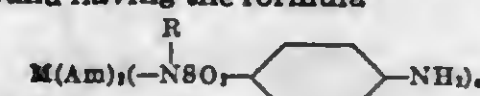
LIQUID METAL AMMINO SULFA COMPOUNDS

Sam Rosensweig and Walter M. Fuchs, New York, N. Y.; said Fuchs assignor to said Rosensweig

No Drawing. Original application June 3, 1947, Serial No. 752,293. Divided and this application November 7, 1950, Serial No. 194,723

3 Claims. (Cl. 167—30)

1. A liquid product comprising an amine and a compound having the formula



wherein M is a heavy metal from the group silver, mercury, zinc, palladium, nickel and copper, Am is a basic organic nitrogen compound from the group consisting of ammonia, primary alkyl amines, primary hydroxyalkyl amines, primary aminoalkyl amines, primary aralkyl amines, secondary hydroxyaralkyl alkyl amines and monocyclic heterocyclic basic nitrogen compounds devoid of hetero atoms other than nitrogen and oxygen, R is from the group hydrogen and heterocyclic radicals containing a hetero nitrogen atom and x is an integer equal to the valence of the heavy metal the amine being from the same group as the basic organic nitrogen compound.

2,629,683

CATALYTIC REFORMING PROCESS

Vladimir Haensel, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 16, 1949,

Serial No. 127,798

3 Claims. (Cl. 196—50)

1. A process for the reforming of a gasoline fraction which comprises subjecting said gasoline fraction to contact at reforming conditions with at least two successive beds of catalyst comprising alumina, platinum and combined halogen, the catalyst in the bed with which said fraction is first contacted being of a particle size not greater than $\frac{3}{32}$ " and the catalyst in a subsequent bed being of a particle size greater than $\frac{3}{32}$ ".

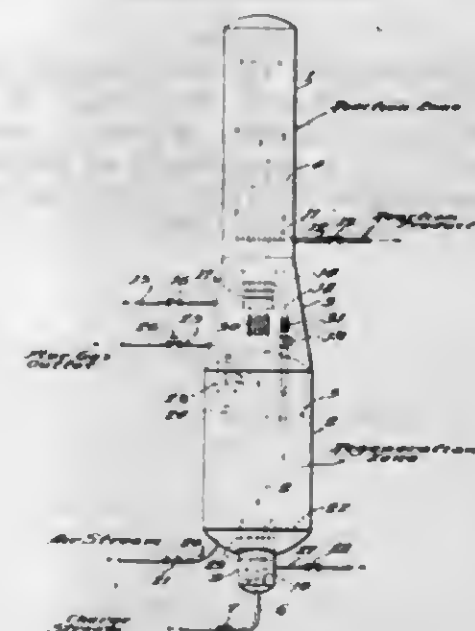
2,629,684

METHOD AND APPARATUS FOR EFFECTING THE CATALYTIC CONVERSION OF AN ORGANIC REACTANT STREAM, PARTICULARLY A LIQUID CHARGE

Frederick W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 13, 1948, Serial No. 54,308

10 Claims. (Cl. 196—52)



1. A method for catalytically converting a liquid hydrocarbonaceous reactant stream which comprises, maintaining a downwardly moving bed of finely divided solid catalyst particles in each of two contacting zones disposed in vertical alignment with one another, withdrawing heated catalyst particles downwardly from the lower portion of the lower zone, commingling the withdrawn heated particles with said liquid reactant stream, effecting substantial vaporization of the latter by heat contained in said heated particles and by indirect heat exchange with the bed in said lower zone and passing the resulting mixture upwardly in a confined straight line path through each of the catalyst beds in said superimposed zones to the top portion of the upper zone, passing the reactant stream and catalyst particles as a suspension downwardly through the other portion of said upper zone and then into the catalyst bed in the upper zone, separately withdrawing resulting conversion products and used catalyst particles from the lower portion of said upper zone and passing the used catalyst particles therefrom into the upper portion of said lower zone, passing an air stream at combustion

temperature upwardly through the lower zone countercurrently to the descending particles at a velocity sufficient to maintain the bed thereof in fluidized state, discharging combustion gases from the upper portion of the lower zone and withdrawing oxidized and regenerated particles from the lower portion thereof as the aforesaid heated particles being commingled with said liquid reactant stream.

2,629,685 AVIATION FUEL AND METHOD OF PREPARING SAME

William E. Lifson, Elizabeth, and William E. Morris, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 29, 1949, Serial No. 124,496

7 Claims. (Cl. 196—150)

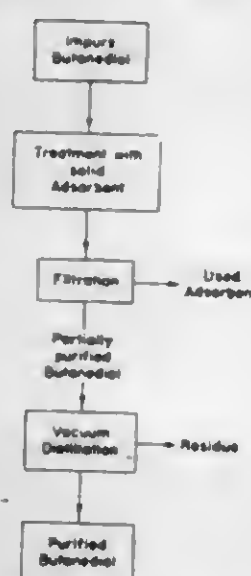
1. An improved aviation fuel consisting essentially of an aviation gasoline base stock satisfying AN-F-48b specifications, containing about 0.5 to 1% by volume of an aromatic extract of kerosene having a 50% distillation temperature above about 400° F., and a final boiling point below about 575° F., and having a kauri-butanol solvent value above about 70.

2,629,686 PURIFICATION OF BUTANEDIOL

Frederick Grosser, North Plainfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application August 25, 1950, Serial No. 181,560

3 Claims. (Cl. 202—52)



1. A process for purifying technical butanediol-1,4 which comprises treating technical butanediol with a solid adsorbent selected from the group consisting of activated charcoal, acid treated silica gel and fuller's earth, separating the thus treated butanediol from the adsorbent and vacuum distilling the thus treated butanediol.

2,629,687 SALT WATER STILL

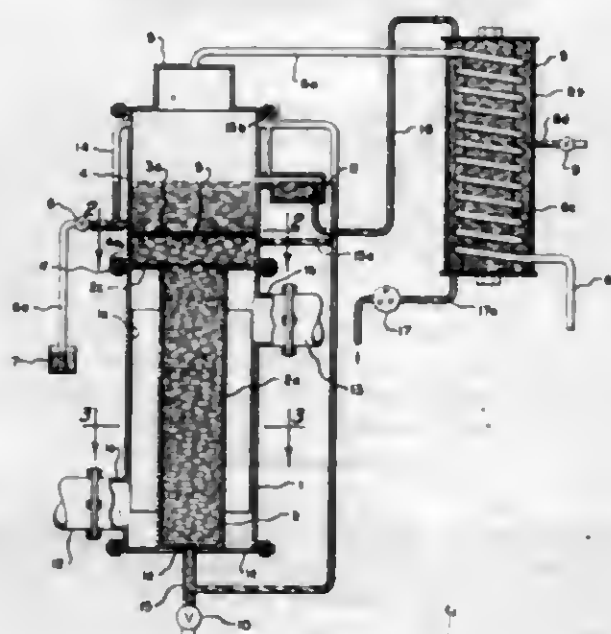
Guy H. Silva, San Diego, Calif.

Application July 2, 1948, Serial No. 36,628

1 Claim. (Cl. 202—196)

In a fresh water making apparatus of the class described, a boiler having a single cylindrical chamber defined by vertical walls of a material having a high coefficient of expansion,

said walls being plane on the inside and having vertical integral vanes on the outside, a heating chamber surrounding said single chamber and vanes, said single chamber having an open upper end, a brine chamber fixed to the upper end of said boiler and having an open bottom communicating directly with said open upper end of said boiler, said chamber having a steam outlet at its upper end, a condenser connected to said outlet, a baffle in the lower portion of said brine chamber and extending horizontally across said brine chamber to divide the same



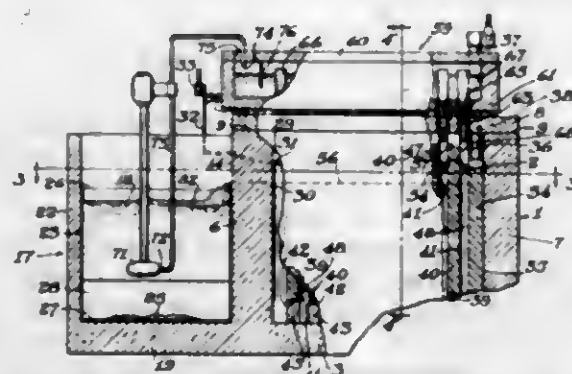
into upper and lower parts, said baffle having restricted openings therein, a water inlet leading from said condenser to said brine chamber, said openings allowing restricted flow between the upper and lower parts of said brine chamber and comprising a steam outlet for said boiler, and water inlet control means communicating with the interior of said brine chamber above said baffle and responsive to the level of the brine in the brine chamber, and a tube leading downwardly from the bottom of the single chamber of the boiler and having a purge valve therein.

2,629,688 ELECTROLYTIC APPARATUS FOR PRODUCTION OF MAGNESIUM

Ralph M. Hunter, Robert D. Blue, and Marshall P. Neupert, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application October 28, 1950, Serial No. 192,792

5 Claims. (Cl. 204—244)



1. In an electrolytic apparatus for electrolyzing a molten magnesium chloride-containing electrolyte to produce molten magnesium and chlorine gas, the combination of a cell chamber

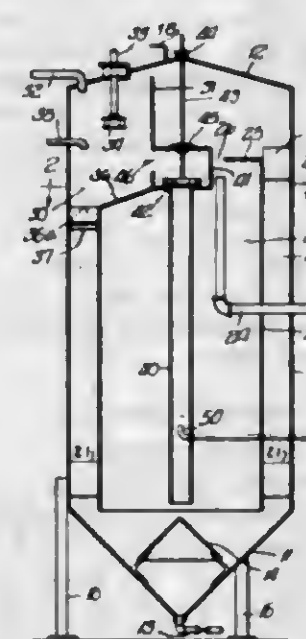
having vertical parallel side walls and vertical parallel front and back walls; a terminal anode plate against the inside of the back wall and a terminal cathode plate against the inside of the front wall; bipolar electrodes disposed in alignment and parallel to each other at evenly spaced intervals between and parallel to the said terminal anode and cathode plates; a spacer under each bipolar electrode spacing it from the bottom of the cell chamber; a spacer between each side of each bipolar electrode and the adjacent sides of the chamber, the said side and bottom spacers forming with the bipolar electrodes partitions dividing the cell chamber into a plurality of electrolysis cells; an electrolyte supply chamber; a trough in the top of each side wall, each of said troughs being closed at one end and open at the other, the open end extending to the outer face of the front wall and discharging into the electrolyte supply chamber, and each of said troughs being parallel to the sides of the cell chamber; passages in the upper portion of each side wall between the cell chamber and each trough connecting the sides of each electrolysis cell with the adjacent trough; a cover over the cell chamber and troughs, said cover having an opening over the middle of each electrolysis cell; and pumping means for conveying electrolyte from the supply chamber to each electrolysis cell through said openings.

2,629,689 WATER PURIFYING AND DEGASIFYING APPARATUS AND PROCESS

Walter H. Green, Batavia, and James M. Kahn, Glencoe, Ill., assignors to Inflico Incorporated, Chicago, Ill., a corporation of Delaware

Application April 12, 1948, Serial No. 20,548

17 Claims. (Cl. 210—14)



1. A hot process type water softening apparatus comprising a tank, a partition structure in said tank forming therein a mixing chamber in the lower portion of said tank and a quiescent clarification chamber, a water heating chamber in an upper portion of said tank, a raw water inlet discharging into said heating chamber, a steam inlet into said heating chamber, means for delivering a treating reagent to the water to be treated, outlet means leading from said heating chamber and discharging into said mixing chamber, a passageway leading from the mixing chamber into a lower portion of the quiescent clarification chamber, a second passageway lead-

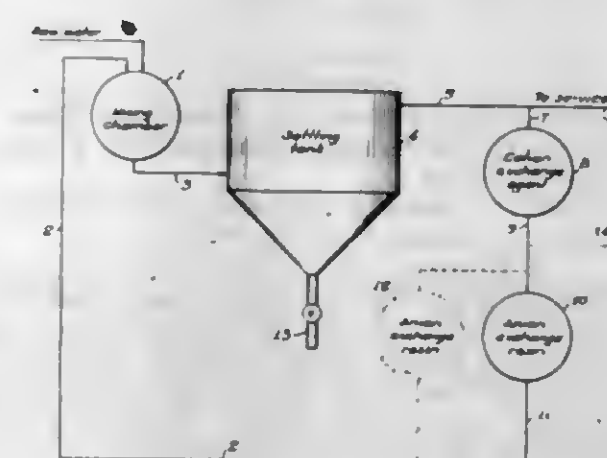
ing from a lower part of the quiescent clarification chamber into the mixing chamber, said mixing chamber, said passageways and said lower portion of said clarification chamber affording a cyclic path for liquid circulation within said tank, inlet means for delivering additional steam to liquid traversing said path of circulation, a treated liquid outlet from the upper part of the quiescent clarification chamber, and a solids outlet from a lower part of said tank.

2,629,690 METHOD OF REMOVING DISSOLVED SOLIDS FROM WATER

William C. Bauman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application December 29, 1948, Serial No. 68,033

6 Claims. (Cl. 210—24)



1. A process for softening and decreasing the solids content of water having permanent hardness caused by dissolved calcium and magnesium compounds of strong mineral acids and containing alkali metal salts of strong mineral acids which comprises, mixing the raw water supply with a stream of the softened water containing an alkali metal carbonate and an alkali metal hydroxide in proportions corresponding approximately to the chemical equivalents, respectively, of the calcium compounds and the magnesium compounds causing permanent hardness in the raw water supply so that the permanent hardness is removed by the reaction of alkali metal carbonate and alkali metal hydroxide with the calcium and magnesium compounds and precipitation of calcium carbonate and magnesium hydroxide, respectively, leading the mixture into a settling tank, separating the precipitate, withdrawing softened water having a neutral to alkaline pH value and having a decreased solids content from the settling tank, passing one portion of the softened water to service, passing another portion of the softened water through a bed of an alkali metal salt of a cation exchange agent, dividing the stream of water flowing from the cation exchange agent and passing one of the streams of water into contact with a bed of a strongly basic anion exchange resin containing quaternary ammonium carbonate groups to introduce carbonate ions into the water while passing the other stream of water through a bed of a strongly basic anion exchange resin containing quaternary ammonium hydroxide groups to introduce hydroxyl ions into the water, and feeding the streams of thus-treated softened water containing alkali metal carbonate and alkali

metal hydroxide into mixture with the raw water supply as the sole added ingredients to remove the permanent hardness.

2,629,691

GREASE MANUFACTURE

Walter H. Peterson, Point Richmond, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 19, 1949,
Serial No. 133,961

13 Claims. (Cl. 252-28)

1. In the process for the preparation of a grease comprising lubricating oil, a gelling amount of a colloidal metallic oxide gel in highly expanded form and capable of forming a grease with said oil and a hydrophobic surface active agent, the improvement which comprises heating said ingredients at a temperature between about 165 and about 200° C. for a period between about 30 minutes and about 120 minutes.

2,629,692

GREASE

Hubert J. Liche, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application October 13, 1950;
Serial No. 190,040

8 Claims. (Cl. 252-33.2)

1. An anhydrous grease containing less than 0.1% water, consisting essentially of from 0.25% to 15% of an alkaline earth soap of a preferentially oil-soluble sulfonic acid, from about 1% to about 15% of an alkaline earth soap of a fatty material, and a viscous hydrocarbon oil, said alkaline earth soap of a preferentially oil-soluble sulfonic acid and said alkaline earth soap of a fatty material being used in a ratio of from about 1:2 to 2:1.

2,629,693

LUBRICATING COMPOSITION

Robert C. Barton, The Hague, Netherlands, and Roland F. Bergstrom and Jacobus M. Plantfeber, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 1, 1947, Serial No. 758,430

12 Claims. (Cl. 252-33.4)

1. A finished liquid lubricating composition for use in engines operating on high sulfur fuel comprising a major amount of a mineral lubricating oil; a calcium salt of petroleum sulfonic acid in an amount of from about 1% to about 4% calculated as sulfate ash and minor amounts of from 0.1% to about 1% by weight of phenyl alpha naphthylamine and 2,6 ditertiary butyl-4-methyl phenol.

2,629,694

GREASE COMPOSITION

Harold A. Woods and John A. Edgar, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 5, 1949,
Serial No. 103,178

9 Claims. (Cl. 252-33.6)

8. A grease composition comprising a major amount of a lubricating oil having incorporated therein a minor amount of an alkali metal soap and from about 0.01 to 5% of an oil-soluble aryl amine and from about 0.01 to 2% of an oil-soluble polyvalent metal salt of an alkyl dithiocarbamic acid.

2,629,695

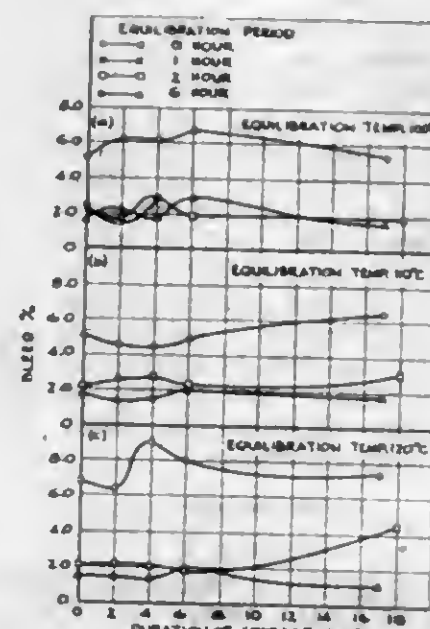
MANUFACTURE OF LITHIUM LUBRICATING GREASES

John Bryant Matthews, Douglas Evans, William David Carswell, and John Fletcher Hutton, Thornton le Moors, England, assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware

Application May 1, 1951, Serial No. 223,894

In Great Britain January 13, 1948

16 Claims. (Cl. 252-41)



1. In a process of preparing a stable non-bleeding grease comprising an oleaginous vehicle gelled to a grease structure with a lithium soap of a higher fatty acid, the steps comprising heating said oleaginous vehicle and lithium soap to a temperature between 210° and 260° C. until a homogeneous composition is formed, cooling the composition to an equilibration temperature between the temperatures of the two lowest phase transformation points which occur above 50° C., isothermally tempering the grease between said transformation points for a period between about 1 and about 6 hours and thereafter cooling and homogenizing the grease.

2,629,696

ESSENTIALLY NON-AQUEOUS ACID EMULSION CLEANING COMPOSITION

Sidney R. Dodd, West Caldwell, N. J., and Edward J. Ainsley, Merrick, N. Y., assignors to Oakite Products, Inc., New York, N. Y., a corporation

No Drawing. Application May 16, 1949,
Serial No. 93,637

4 Claims. (Cl. 252-138)

1. A water dispersible stable acidic emulsion in the form of a gel comprising phosphoric acid, a water insoluble organic solvent emulsified with a non-ionic emulsifying agent, a water soluble organic acid which is normally solid at room temperature in an amount effective to improve rust removal by the composition and a quantity of a water soluble polyhydroxy organic compound free of acid radicals sufficient to prevent the water soluble organic acid from crystallizing out of the emulsion, said water soluble organic acid being soluble in said polyhydroxy compound to give a solution which is at least semi-liquid, said emulsion being essentially water free.

2,629,697

ALKYL ARYL SULFONATE-LIQUID HYDRO-CARBON-ALIPHATIC HYDROXY COMPOUND COMPOSITIONS

William K. Langdon and Earl F. Soop, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan

No Drawing. Application October 14, 1948,
Serial No. 54,568

6 Claims. (Cl. 252-181)

1. A single phase, non-viscous, fluid composition consisting essentially of 55-71% by weight of a normally liquid petroleum distillate hydrocarbon boiling in the kerosene range, 12-20% of a sodium kerylbenzenesulfonate of not over 30% Na₂SO₄ content and whose keryl group contains 9-16 carbon atoms; 15-25% water; and 2-4% of an aliphatic hydroxy compound selected from the group consisting of 4 to 10 carbon atom monohydroxy aliphatic alcohols, monobutyl ether of ethylene glycol, monobutyl ether of diethylene glycol, monobutyl ether of propylene glycol and 2-ethylhexanediol-1,3.

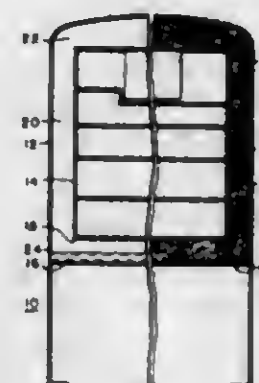
2,629,698

CELLULAR EXPANDED THERMOSET RESINS

Robert F. Sterling, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 30, 1949, Serial No. 136,101

9 Claims. (Cl. 260-2.5)



1. The method of preparing a cellular expanded thermoset resinous body comprising admixing (a) between 70% and 97% by weight of a thermosetting partially reacted aqueous reaction product of one mole of at least one monohydric phenol selected from the group consisting of phenol, cresol, xyleneol and cresylic acid and between 1 and 3 moles of at least one aldehyde selected from the group consisting of formaldehyde, polymers of formaldehyde, acetaldehyde, hexamethylenetetramine, and furfuraldehyde, the reaction being carried out in the presence of from 0.05% to 5%, based on the weight of the phenol, of an alkaline catalyst for the reaction, the reaction being carried out in the presence of substantial amounts of water at a temperature of between 50° C. and 115° C. for a time of between ½ hour and 20 hours, and dehydrating the reaction product while maintaining it at a pH of between 3 and about 11 to provide a resinous product containing between 3% and 25% water and having a viscosity of between 1 and 250 poises, (b) between 5% and 0.1% by weight of a surface active, organic foam-increasing agent selected from the group consisting of alkyl alkaline sulfosuccinates in which there is an alkyl group having between four and twenty-four carbon

atoms, alkyl aryl sulfates and sulfonates in which the alkyl groups have from four to thirty carbon atoms disposed in a long chain, alkyl aryl polyether alcohols and alkyl aryl polyether sulfonates in which the alkyl group has from eight to twenty-four carbon atoms, alkali soaps of fatty acids having from twelve to twenty-four carbon atoms, polyoxyalkylene sorbitan esters of acids containing from twelve to twenty-four carbon atoms, sorbitan esters of acids having from twelve to twenty-four carbon atoms, alkyl and alkaryl quaternary ammonium halide compounds wherein at least one alkyl group of the former has from eight to twenty-four carbon atoms, and at least one alkaryl group of the latter totals from eight to twenty-four carbon atoms, alkyl sulfates and sulfonates wherein the alkyl groups have from eight to thirty carbon atoms, and sulfated and sulfonated alkyl amines and amides wherein there is one alkyl group having from eight to twenty-four carbon atoms, and (c) between 25% and 1% by weight of at least one peroxide from the group consisting of the peroxides of calcium, sodium, potassium, lead, barium, magnesium, zinc and urea, and heating the mixture to a temperature of between 110° C. and 350° C. whereby a cellular expanded thermoset resin body is produced.

2,629,699

MODIFIED STARCH-UREA-FORMALDEHYDE WATER RESISTANT ADHESIVE

Edward E. Moore, Yonkers, N. Y., assignor to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 20, 1949,
Serial No. 122,579

13 Claims. (Cl. 260-17.3)

1. A dry powder composition consisting essentially of 78 parts of a modified starch which has a water-solubles content in the range of about 0 to 30%, 5 to 10 parts of a water-soluble heat-hardenable urea-formaldehyde condensate, 5 to 15 parts of an acidic material which gives a 3% aqueous solution having a pH in the range of 5.0 to 5.5, and 0.5 to 5 parts of a mixture of 30 to 40% of a water-soluble salt of an organic sulfuric reaction product containing an alkyl radical of from 8 to 18 carbon atoms and a radical selected from the group consisting of a sulfate ester radical and a sulfonic radical and 70 to 60% of a neutral water-soluble inorganic salt, said composition being characterized by giving a stable adhesive paste upon cooking a 28.6% solids aqueous dispersion thereof which paste has a pH in the range of 5.0 to 5.5 and is of suitable fluidity for application and which develops into a water resistant bond upon drying and standing at room temperature.

2,629,700

HEAT STABILIZER FOR VINYL RESINS

Sylvester S. Caldwell, Akron, and George J. Chertoff and Garry B. Curtiss, Shaker Heights, Ohio; said Caldwell and said Curtiss assignors to said Chertoff

No Drawing. Application September 5, 1951,
Serial No. 245,265

3 Claims. (Cl. 260-23)

1. A composition comprising a vinyl halide polymer subject to deterioration at elevated temperatures and, as heat and light stabilizer, a stannous salt of an organic acid chosen from the group consisting of lauric, myristic, palmitic, stearic, arachidic, behenic, oleic, linoleic, linolenic, ricinoleic, salicylic, succinic, benzoic, tartaric, lactic, naphthenic, phthalic, and abietic acids.

2,629,701

COMPOSITIONS CONTAINING ESTERS OF A GLYCOL AND POLYCARBOXYLIC ACIDS AND THE TREATMENT OF CELLULOSE THEREWITH

Walter P. Ericks, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York

No Drawing. Application May 27, 1949, Serial No. 95,872

14 Claims. (Cl. 260—29.3)

1. A composition for impregnating a fibrous material consisting predominantly of cellulose fibers, which composition comprises, a solvent solution containing between approximately 5% and 60% by weight of a mixture of a thermosetting resin soluble in said solvent and substantially monoester of a glycol and a dicarboxylic acid in which the molecules of the monoester have the following formula:



wherein R is selected from the group consisting of hydrogen and an alkyl group, R' is a monoacyl radical derived from a dicarboxylic acid and X is a whole number below 150, the amount of said thermosetting resin in said mixture being between approximately 5% and 50% by weight of said mixture, said solvent being selected from the group consisting of water, aliphatic alcohols having from one to three carbon atoms and ketones having from three to five carbon atoms.

3. As an article of manufacture, a board of fibrous material having improved dimensional stability and consisting predominantly of felted cellulose pulp fibers impregnated and reacted substantially throughout said fibrous material with a partial ester of an aliphatic polyhydric alcohol containing from two to six hydroxyl groups each of which is attached to a different carbon atom and a polycarboxylic acid containing not more than 3 carboxyl groups in which the molecules of the partial ester before reaction with said cellulose fibers are essentially in monomeric form and have in each alcohol residue a free hydroxyl group and in each acid residue a free carboxyl group, the amount of said partial ester in said fibrous material being between approximately 2% and 50% by weight of said fibrous material.

2,629,702

COMPOSITION FOR TEXTILE FINISHING

Harry L. Snyder, Jr., Detroit, Mich.

No Drawing. Application May 6, 1949, Serial No. 91,870

4 Claims. (Cl. 260—29.7)

1. A composition of matter consisting essentially of a water emulsion of polyvinyl acetate and a water emulsion of styrene-butadiene copolymer, said copolymer being present in an amount within the range of about .5 part per part polyvinyl acetate to about 1.6 parts per part polyvinyl acetate.

2,629,703

RESINOUS COMPOSITION COMPRISING /PHENOL-ALDEHYDE AND KETONE-ALDEHYDE CONDENSATION PRODUCTS

George Karl Vogelsang, La Mott, Pa., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 2, 1948, Serial No. 30,733

18 Claims. (Cl. 260—43)

1. Resinoids comprising a mixture of a ketone-aldehyde and a potentially reactive phenol-alde-

hyde condensation product, said ketone-aldehyde condensation product being present to the extent of between 50 and 95% on the combined weights of said condensation products and selected from the class consisting of fusible, soluble, low molecular weight substantially non-volatile condensation products capable of yielding distillable and crystallizable acetylation products capable of condensation in the presence of sodium hydroxide to yield, immediately or upon heating, a high molecular weight insoluble and infusible material and produced by reacting a ketone having the general formula $\text{CH}_3\text{—CO—R}'$, wherein R' represents an unsubstituted aliphatic radical having from one to four carbon atoms, with an aldehyde having the general formula $\text{R}''\text{—CHO}$, wherein R'' represents a member selected from the group consisting of hydrogen and unsubstituted aliphatic radicals having from one to four carbon atoms.

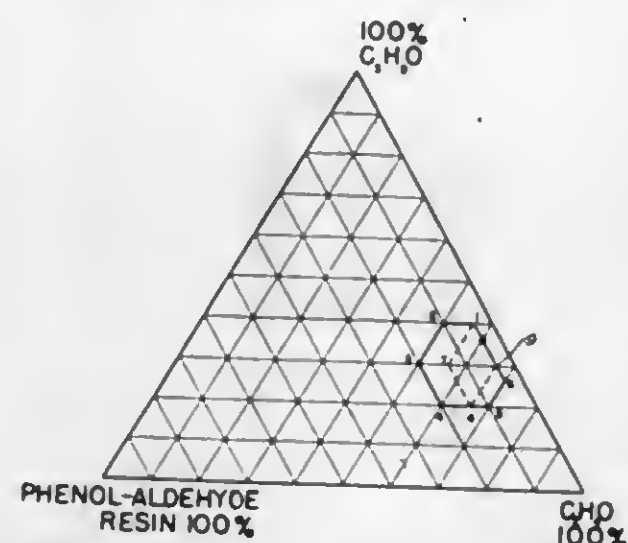
2,629,704

CERTAIN OXYALKYLATED DERIVATIVES OF FUSIBLE RESINS

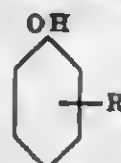
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del., a corporation of Delaware

Continuation of application Serial No. 129,708, November 28, 1949. This application May 24, 1952, Serial No. 289,771

6 Claims. (Cl. 260—53)



1. Hydrophile synthetic products, said hydrophile synthetic products being oxyalkylation products of (a) both ethylene oxide and propylene oxide; and (b) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent $\text{C}_2\text{H}_4\text{O}$ and $\text{C}_3\text{H}_6\text{O}$ radicals, with the proviso that the composition of

said hydrophile synthetic products, based on a statistical average and assuming completeness of reaction, and calculated back to the three oxyalkylation step reactants, i. e., resin, ethylene oxide and propylene oxide, on a percentage weight basis must fall approximately within the area defined by the points 1, 2, 3, 4, 5, 6 of the chart in the accompanying drawing.

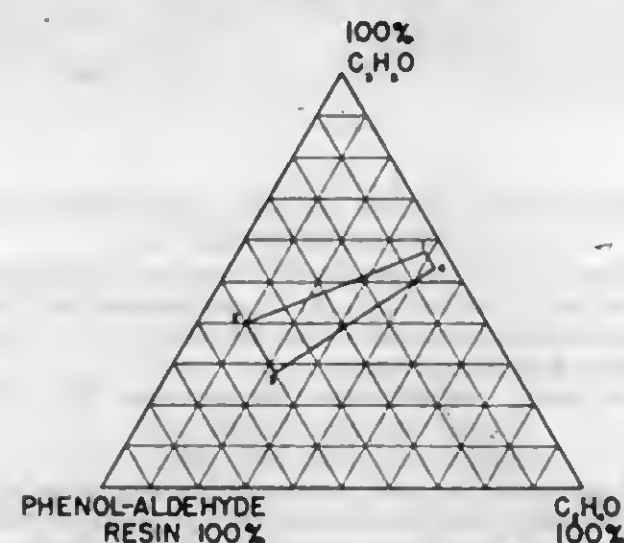
2,629,705

CERTAIN OXYALKYLATED DERIVATIVES OF FUSIBLE RESINS

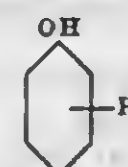
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del., a corporation of Delaware

Continuation of application Serial No. 129,708, November 28, 1949. This application May 24, 1952, Serial No. 289,772

5 Claims. (Cl. 260—53)



1. Hydrophile synthetic products, said hydrophile synthetic products being oxyalkylation products of (a) both ethylene oxide and propylene oxide; and (b) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para, said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent $\text{C}_2\text{H}_4\text{O}$ and $\text{C}_3\text{H}_6\text{O}$ radicals, with the proviso that the composition of said hydrophile synthetic products, based on a statistical average and assuming completeness of reaction, and calculated back to the three oxyalkylation step reactants, i. e., resin, ethylene oxide and propylene oxide, on a percentage weight basis must fall approximately within the area defined by the points 1, 2, 3, 4, of the chart in the accompanying drawing.

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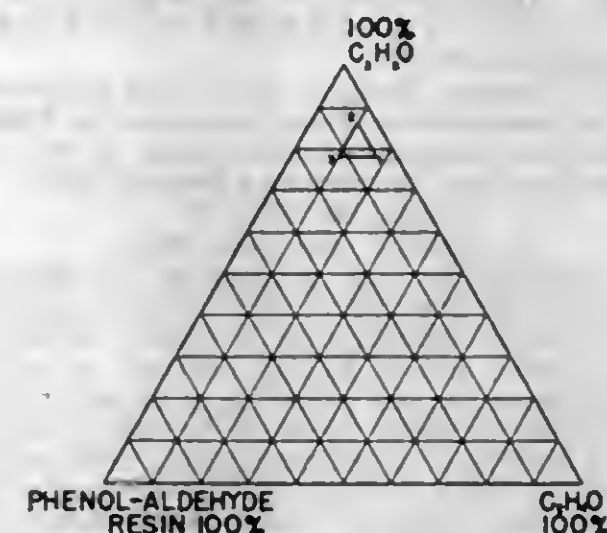
2,629,706

CERTAIN OXYALKYLATED DERIVATIVES OF FUSIBLE RESINS

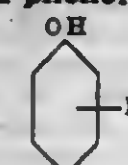
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del., a corporation of Delaware

Continuation of application Serial No. 129,708, November 28, 1949. This application May 24, 1952, Serial No. 289,773

5 Claims. (Cl. 260—53)



1. Hydrophile synthetic products, said hydrophile synthetic products being oxyalkylation products of (a) both ethylene oxide and propylene oxide; and (b) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-aldehyde resin; said resin being derived by reaction between a difunctional monohydric phenol and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward said phenol; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent $\text{C}_2\text{H}_4\text{O}$ and $\text{C}_3\text{H}_6\text{O}$ radicals, with the proviso that the composition of said hydrophile synthetic products, based on a statistical average and assuming completeness of reaction, and calculated back to the three oxyalkylation step reactants, i. e., resin, ethylene oxide and propylene oxide, on a percentage weight basis must fall approximately within the area defined by the points 1, 2, 3 of the chart in the accompanying drawing.

2,629,707

MANUFACTURE OF LAP-RESISTANT SYNTHETIC RUBBER

Jacob E. Charles, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application June 16, 1950, Serial No. 168,647

2 Claims. (Cl. 260—80.7)

1. A process of preparing a rubberlike multipolymer which comprises forming an aqueous

mixture containing sorbic acid, and emulsifying agent, and a catalyst for emulsion polymerization while maintaining a temperature between about 80° C. and 100° C., adding to said mixture butadiene and acrylonitrile, and agitating the resulting emulsion while maintaining temperature conditions between about 50° F. and 175° F.

2,629,708

EMULSION POLYMERIZATION OF VINYLIDENE COMPOUNDS IN THE PRESENCE OF HYDRAZINE-POLYAMINECARBAMATE COMPOSITIONS

Carl A. Uraneck, Borger, Tex., and Richard J. Goertz, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 29, 1950,

Serial No. 171,222

12 Claims. (Cl. 260—84.7)

1. A process for the production of synthetic rubber, which comprises polymerizing a monomeric material comprising a major portion of 1,3-butadiene and a minor portion of styrene while dispersed in the presence of an emulsifying agent in an aqueous medium having a pH between 9 and 12 at a polymerization temperature between 30 and -40° C. in the presence of a polymerization catalyst composition comprising 0.1 to 10 millimols of a monohydroperoxide of tert-butylisopropylbenzene and 0.02 to 5 parts by weight of diethylenetriaminemonocarbamate and an equimolar amount of hydrazine, said amounts being per 100 parts by weight of said monomeric material.

2,629,709

EMULSION POLYMERIZATION OF VINYLIDENE COMPOUNDS IN THE PRESENCE OF CARBAMATES OF POLYAMINES

Carl A. Uraneck and Alvin C. Rothlisberger, Borger, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application September 5, 1950,

Serial No. 183,304

17 Claims. (Cl. 260—84.7)

1. In the production of synthetic rubber by the polymerization of a monomeric material comprising a major portion of 1,3-butadiene and a minor portion of styrene while dispersed in an aqueous emulsion in the presence of a catalyst composition at a polymerization temperature, the improvement which comprises conducting said polymerization with the pH of said aqueous emulsion between 9 and 12 and using as said catalyst composition 0.1 to 10 millimols of t-C₄H₉C₆H₄C(CH₃)₂O₂H together with 0.02 to 5 parts of a carbamate of tetraethylenepentamine, said amounts being per 100 parts by weight of said monomeric material.

2,629,710

HALOMETHYLATED VINYL-AROMATIC COPOLYMERS

Charles H. McBurney, Philadelphia, Pa. No Drawing. Original application May 28, 1949, Serial No. 96,134. Divided and this application September 22, 1949, Serial No. 117,259

7 Claims. (Cl. 260—88.1)

1. A polymer of an aromatic monovinyl hydrocarbon cross-linked by copolymerization with an aromatic polyvinyl hydrocarbon, the polymer containing as substituents on the aromatic nuclei methylene halide groups of the formula —CH₂X wherein X is a member of the group consisting of chlorine and bromine.

2,629,711

PROCESS FOR PREPARING POLYMERS OF ACRYLONITRILE

Theodore E. Stanin, Harry W. Coover, and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 16, 1948,

Serial No. 49,651

7 Claims. (Cl. 260—88.7)

1. A process for preparing polymers of acrylonitrile consisting in polymerizing acrylonitrile in an aqueous solution containing from 70 to 100 percent by weight of acrylonitrile, based on the total weight of monoethylenically-unsaturated, polymerizable monomers in the solution, in the presence of a persulfate polymerization catalyst, a sufficient quantity of oxalic acid to maintain a pH of from 1 to 3 during the polymerization and a water-soluble inorganic compound of sulfur selected from the group consisting of alkali metal bisulfites, ammonium bisulfite, alkali metal sulfites, ammonium sulfite, alkali metal thiosulfates, ammonium thiosulfate, alkali metal sulfides, ammonium sulfides, hydrogen sulfide and sulfur dioxide.

2,629,712

PROCESS FOR PREPARING POLYMERS OF ACRYLONITRILE

Theodore E. Stanin, Harry W. Coover, and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 16, 1948,

Serial No. 49,652

10 Claims. (Cl. 260—88.7)

1. A process for preparing polymers of acrylonitrile comprising polymerizing in the absence of heavy metal compounds an aqueous solution of acrylonitrile containing from 70 to 100 per cent by weight of acrylonitrile, based on the total weight of monoethylenically-unsaturated, polymerizable monomers in the solution, in the presence of a persulfate polymerization catalyst, a sufficient quantity of an oxygen acid of phosphorus consisting of only phosphorus, hydrogen, and oxygen atoms to maintain a pH of from 1 to 3 during the polymerization and a water-soluble inorganic compound of sulfur selected from the group consisting of alkali metal bisulfites, ammonium bisulfite, alkali metal sulfites, ammonium sulfite, alkali metal thiosulfates, ammonium thiosulfate, alkali metal sulfides, ammonium sulfides, hydrogen sulfide and sulfur dioxide.

2,629,713

HETEROGENEOUS, ACIDIC HYDROLYSIS OF POLYMERIC ESTERS

Max T. Goebel, Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 18, 1947,

Serial No. 742,466

12 Claims. (Cl. 260—91.3)

1. A process for the heterogeneous hydrolysis of a water-insoluble, polymeric organic ester in an aqueous medium which comprises forming a heterogeneous mixture comprising said ester selected from the group consisting of a polyvinyl acetate and a cellulose acetate, water, sulfuric acid and dodecyl benzene sulfonic acid, said mixture having a pH of no more than 2 and a surface tension of no more than 60 dynes per centimeter; and hydrolyzing said ester by treating it with said acids.

2,629,714

SHORT STOP XANTHATION

Andrew Robertson, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 12, 1949,

Serial No. 121,065

1 Claim. (Cl. 260—216)

In the process of xanthating alkali cellulose crumbs to produce viscose, the improvements for producing viscose of improved filterability which comprises introducing into the charge of alkali cellulose crumbs to be xanthated within a time period of approximately 10 minutes an amount of carbon bisulfide which is from 20% to 150% in excess of the amount to be absorbed by the alkali cellulose, xanthating by tumbling the alkali cellulose at a temperature in the range of from 25° to 45° C., and stopping the xanthation short of equilibrium by removing the excess carbon bisulfide from the zone of reaction after a xanthation cycle of from 25% to 80% of the time required to reach substantial equilibrium in a conventional xanthation using an amount of carbon bisulfide which is approximately 5% in excess of the amount absorbed and xanthating at a temperature of 30° C.

2,629,715

XANTHATION PROCESS

Andrew Robertson, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 21, 1949,

Serial No. 122,861

3 Claims. (Cl. 260—216)

3. A process for preparing cellulose xanthate which comprises steeping sheets of cotton linters having an average fiber length of 0.5 to 2.5 millimeters and a basis weight of 0.08 to 0.15 pound per square foot in caustic solution to form alkali cellulose, pressing the alkali cellulose to a press weight ratio not greater than 2.8, aging the alkali cellulose in sheet form, and then vacuum xanthating the relatively dry unshredded alkali cellulose using a vacuum of more than 20 inches of mercury and tumbling the alkali cellulose during xanthation.

2,629,716

PREPARATION AND HYDROLYSIS OF ESTERS

Paul W. Morgan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 7, 1948,

Serial No. 37,492

14 Claims. (Cl. 260—226)

13. In esterifications for the production of polymeric organic esters from acids and alcohols the step which comprises carrying out said esterifications in the presence of a catalyst comprising trifluoroacetic acid.

2,629,717

PREPARATION OF AMINOPHYLLINE

Axel T. Nielsen, Old Mystic, Conn., and Aniello A. Romano, Maywood, N. J., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y., a corporation of Delaware

No Drawing. Application December 22, 1951,

Serial No. 263,004

5 Claims. (Cl. 260—253)

1. A process for the preparation of aminophylline which comprises contacting solid theophylline with ethylenediamine vapor.

2,629,718

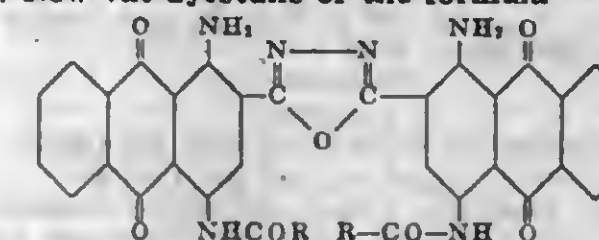
2,5-DI-(1-AMINO-4-AROYLAMINO-2-ANTHRAQUINONYL)-1:3:4-OXDIAZOLES AND METHOD FOR THEIR PREPARATION

Philip Leigh Belshaw and Francis Irving, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 25, 1950, Serial No. 164,294. In Great Britain June 7, 1949

8 Claims. (Cl. 260—307.5)

1. New vat dyestuffs of the formula



wherein R is selected from the group consisting of mono- and dicyclic carbocyclic aryl radicals.

2,629,719

AMINOALKYL THIOXANTHENE OXIDES AND THE PRODUCTION THEREOF

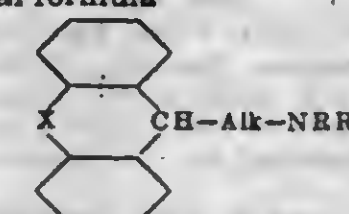
John W. Cusick, Skokie, Ill., assignor to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois

No Drawing. Application June 6, 1947,

Serial No. 753,049

5 Claims. (Cl. 260—328)

1. A member of the group consisting of a 10-(dialkylaminoalkyl)thioxanthene-5-oxide having the structural formula



wherein X is an oxygenated sulfur group, Alk is a lower alkylene radical and R and R' are lower alkyl radicals, and salts thereof.

2,629,720

N-ALKYL-N-ALPHA-THENYL ANILINES

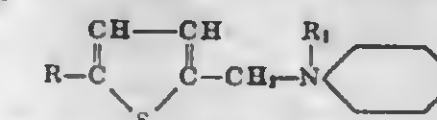
Lucas P. Kyrides, Zeeland, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 20, 1947,

Serial No. 793,057

11 Claims. (Cl. 260—329)

1. N-alkyl-N-alpha-thenyl anilines having the formula:



in which R represents a radical selected from the group consisting of hydrogen, methyl, chlorine and bromine radicals, and where R₁ is an alkyl group containing 1-4 carbon atoms, and the acid salts thereof.

2,629,721

SULFURIZED FATTY AND WAXY MATERIALS

Conrad J. Sunde, Garden City, N. Y., assignor to N. I. Malmstrom & Company, Brooklyn, N. Y., a copartnership

No Drawing. Application April 2, 1949,

Serial No. 85,253

1 Claim. (Cl. 260—399)

A process of making leaded sulfurized saponified degreas which comprises heating wool grease to about 270° to 280° F. in the presence of about

10% caustic soda for about one hour, and the caustic soda being in a concentrated solution in a minimum amount of water, drying the hot reaction mixture by adding it to a lubricant oil and blowing with hot air at a temperature of about 285° F., about 100 to 125 parts of the reaction mixture being placed in about 75 parts of the mineral oil, then mixing with a slurry of about 23 parts of phosphorous pentasulfide and 25 parts of mineral oil and maintaining with stirring a temperature of 285° to 300° F. and then treating the thus sulfurized saponified wool grease with a solution of lead acetate at a temperature of about 200 to 212° F. and finally removing the acetic acid

2,629,722

METHOD OF COOKING OIL BEARING VEGETABLE SEEDS AND NUTS

John W. Dunning, Lakewood, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 10, 1950,

Serial No. 161,268

3 Claims. (Cl. 260—412.4)

1. A method of treating oil bearing seed and nut meats prior to extraction of the oil therefrom, comprising raising the moisture content of the meats to a value between 12 per cent and 20 per cent, and cooking the meats for a period between 7 and 20 minutes at a temperature of between 190° F. and 215° F. under such conditions that evaporation does not reduce the moisture in the seed or nut meats below 12 per cent.

2,629,723

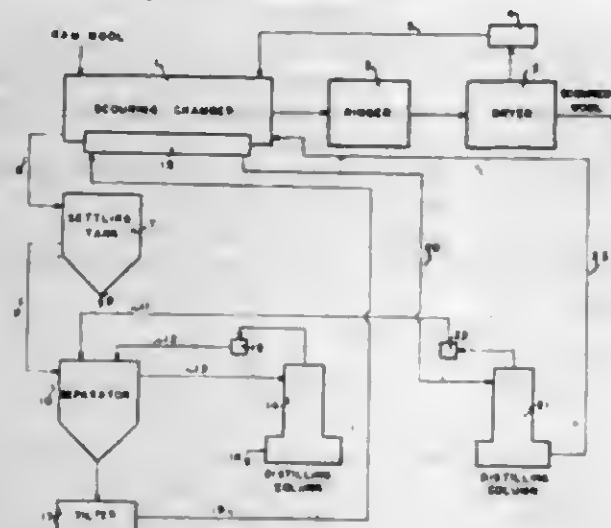
WOOL SCOURING PROCESS

Harold P. Lundgren, Berkeley, Willie Fong, San Francisco, and Andrew S. Yelser, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

Application June 20, 1950, Serial No. 169,278

11 Claims. (Cl. 260—412.5)

(Granted under Title 35, U. S. Code (1952), sec. 266)



1. A process for scouring raw wool and recovering wool grease which comprises: scouring raw wool with an essentially neutral aqueous liquor containing an emulsification agent and a polar, neutral, oxygenated organic compound; separating spent scouring liquor from the scoured wool; mixing the spent scouring liquor with sufficient additional polar, neutral, oxygenated organic compound to separate a phase rich in wool grease; removing said phase rich in wool grease; regenerating the remainder of the liquor by distillation to reduce its concentration of said

organic compound; and subjecting another batch of raw wool to scouring with said regenerated liquor.

2,629,724

THERAPEUTIC ANTIMONY COMPOUNDS

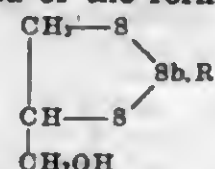
Le Roy Wilton Clemence, Highland Park, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application September 7, 1949,

Serial No. 114,453

18 Claims. (Cl. 260—446)

1. A compound of the formula



wherein R is selected from the class consisting of halogen, hydroxy, alkoxy, thioalkyl, and thioaryl.

2,629,725

METHOD OF PREPARING ORGANO-SILOXANES

James Franklin Hyde, Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application July 19, 1950,

Serial No. 174,806

8 Claims. (Cl. 260—448.2)

1. A method of preparing organosiloxanes which comprises reacting a silane of the formula $\text{R}_n\text{SiX}_{4-n}$ where R is selected from the group consisting of alkyl, aryl hydrocarbon, and halogenated aryl hydrocarbon radicals, X is a halogen, and n has a value from 1 to 3, with a metallic oxide selected from the group consisting of lead oxide, calcium oxide, magnesium oxide, and zinc oxide in amount such that there is at least one equivalent of metal oxide per equivalent of silicon bonded halogen in the silane, in the presence of a solvent selected from the group consisting of liquid saturated aliphatic nitriles, liquid aromatic nitriles, liquid saturated aliphatic nitro compounds, and liquid aromatic nitro compounds, said solvent being present in amount of at least 1 per cent by weight based on the weight of the silane and in which solvents the nitrile and the nitro group are the only functional groups present.

2,629,726

METHOD OF PREPARING HALOSILOXANES

James Franklin Hyde, Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application July 19, 1950,

Serial No. 174,807

7 Claims. (Cl. 260—448.2)

1. A method of preparing halosiloxanes which comprises reacting a silane of the formula $\text{R}_n\text{SiX}_{4-n}$ where R is selected from the group consisting of hydrogen, alkyl radicals, aryl hydrocarbon radicals, and halogenated aryl hydrocarbon radicals, X is halogen, and n has a value from 1 to 2, with a metallic oxide selected from the group consisting of lead oxide, calcium oxide, copper oxide, magnesium oxide, and zinc oxide in amount such that there is less than one equivalent of metal oxide per equivalent of silicon bonded halogen in the silane, in the presence of a solvent selected from the group consisting of liquid saturated aliphatic nitriles, liquid saturated aliphatic nitro compounds, and liquid aromatic nitro compounds, said solvents being present in

amount of at least 1 per cent by weight based on the silane and in said solvents the nitrile and nitro groups being the only functional groups present.

2,629,727

ORGANOSILYL ALCOHOLS

John L. Speier, Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application July 26, 1950,

Serial No. 176,071

5 Claims. (Cl. 260—448.2)

1. $(\text{CH}_3)_b\text{Si}(\text{CH}_2)_b\text{OH}$ where b has a value from 3 to 5.

2,629,728

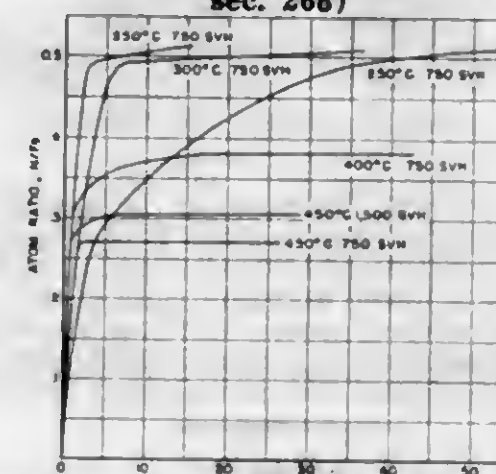
IRON NITRIDE CATALYSTS IN CARBON OXIDE HYDROGENATIONS

Robert B. Anderson and John F. Shultz, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior

Application August 22, 1949, Serial No. 111,755

15 Claims. (Cl. 260—449.6)

(Granted under Title 35, U. S. Code (1952), sec. 266)



1. The process of catalytically hydrogenating carbon oxides to produce predominantly hydrocarbons containing more than 1 carbon atom in the molecule comprising the step of reacting hydrogen with a carbon oxide in the presence of a catalyst comprising an iron nitride.

2,629,729

HYDROCARBON SYNTHESIS

Edwin T. Layng, New York, N. Y., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application December 19, 1946,

Serial No. 717,313

2 Claims. (Cl. 260—449.6)

1. In the synthesis of hydrocarbons, oxygenated hydrocarbons and mixtures thereof by the catalytic reduction of carbon monoxide with hydrogen wherein a stream of synthesis gas comprising hydrogen and carbon monoxide is passed upwardly in contact with a solid particle, iron hydrocarbon synthesis catalyst at a temperature in the range of about 550–700° F. and at a linear velocity such that the catalyst particles are maintained in a state of dense phase fluidization with a predetermined upper interface from which the effluent reaction product stream is continuously withdrawn, the improvement of maintaining high yields of the desired products of reaction under conditions suppressing the decrease in catalyst particle density and the resulting loss of catalyst bed due to deposit of low density carbon on the catalyst particles, by introducing a synthesis gas comprising hydrogen and carbon monoxide in a relative molar ratio at least 2.5:1 and containing at least 15 mol percent carbon

dioxide into contact with the fluidized catalyst, maintaining said gas in contact with said fluidized catalyst until a predetermined portion of the carbon monoxide is converted into said desired products of reaction, withdrawing the reactant gas stream from said upper interface of the catalyst when the remaining unconverted carbon monoxide contained therein is in the range of about 2–3% by volume of the withdrawn stream, and recovering desired products of reaction from the withdrawn stream.

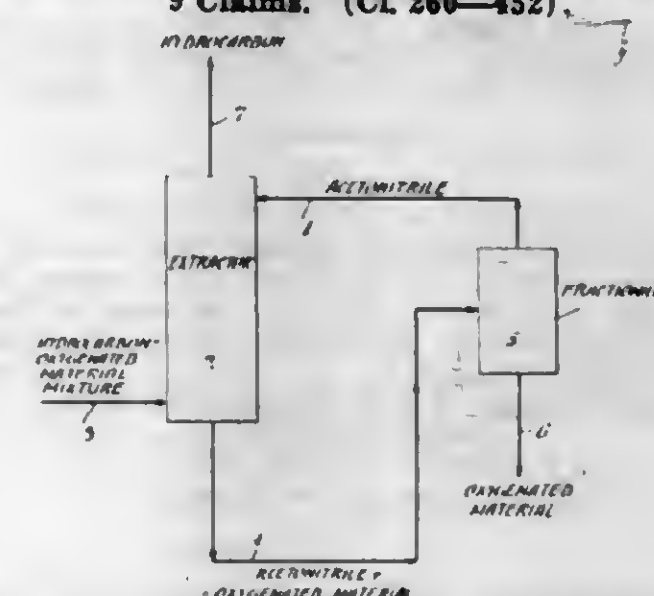
2,629,730

SOLVENT EXTRACTION PROCESS

William I. Denton, Woodbury, and Richard B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application October 25, 1949, Serial No. 123,454

9 Claims. (Cl. 260—452)



1. In the process for producing valuable organic oxygen compounds from hydrocarbons, which includes partially oxidizing a hydrocarbon to produce an oxidation product containing organic oxygen compounds including acids and hydrocarbons of similar boiling range, and which includes separating said oxygen compounds including said acids from said hydrocarbon, the improvement which consists of the following sequence of operations: (a) contacting said mixture with acetonitrile; (b) establishing phase separation into an extract phase rich in said oxygen compounds including said acids, and a raffinate phase less rich in said oxygen compounds than said oxidation product; (c) separating the extract and raffinate; (d) removing said acetonitrile from the extract phase to provide a concentrate of said oxygen compounds including said acids.

2,629,731

ESTERS OF PHOSPHONFORMIC ACIDS AND POLYHYDRIC ALCOHOLS

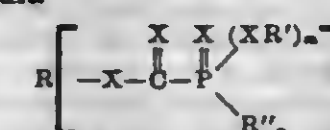
Denham Harman, Orinda, Calif., assignor to Shell Development Company, Emeryville, Calif., a corporation of Delaware

No Drawing. Application March 7, 1951,

Serial No. 214,431

13 Claims. (Cl. 260—461)

1. A compound having a structure represented by the formula



in which R represents the residue R of a polyhydric alcohol denoted by $\text{R}(\text{XH})_x$, $\text{R}'\text{X}$ repre-

2,629,746

PROCESS OF PRODUCING PENTAERYTHRITOL

Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 12, 1948, Serial No. 32,737

1 Claim. (Cl. 260-635)

The process for producing pentaerythritol which comprises condensing acetaldehyde with formaldehyde in an aqueous medium in the presence of calcium hydroxide as catalyst to form a reaction mixture comprising pentaerythritol and calcium formate, converting said reaction mixture to an aqueous solution comprising pentaerythritol and formic acid by addition of an acid which precipitates the calcium cations in an amount sufficient to substantially completely precipitate said calcium cations, the resulting precipitate being separated from said solution at some time prior to the ensuing evaporation step, extracting formic acid from said solution with ethyl ether, applying heat to evaporate said extracted solution at least to a point at which crystallization of pentaerythritol takes place, and recovering crystalline pentaerythritol.

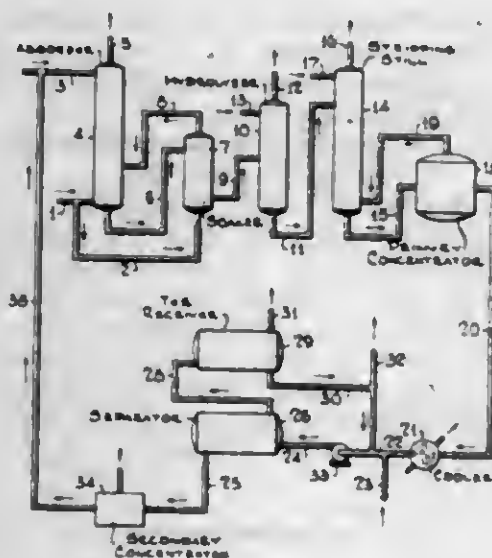
2,629,747

SPENT ACID RESTORATION PROCESS

Mack C. Fuqua, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 16, 1950, Serial No. 201,077

7 Claims. (Cl. 260-639)



1. A process for concentrating a dilute aqueous sulfuric acid contaminated with carbonaceous materials to a desired higher acid concentration, said acid having been stripped of hydrolyzed olefin extract, which comprises concentrating the contaminated acid to an intermediate acid strength in the range of 65-70 weight percent, adding a substantially non-reacting wash oil to the acid of said intermediate strength causing the carbonaceous material to separate from the acid by flotation with the non-reactive oil, separating the oil layer containing the carbonaceous material from the aqueous layer of purified intermediate strength acid, and further concentrating the purified intermediate acid to the desired higher concentration.

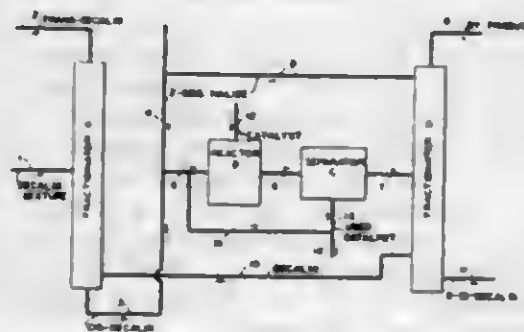
2,629,748

PRODUCTION OF 9-CHLORO- OR 9-BROMODECALIN

Francis E. Condon, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 23, 1948, Serial No. 67,055

12 Claims. (Cl. 260-648)



1. A method for the production of 9-chlorodecalin in high yield based on the decalin charged to the chlorodecalin producing reaction comprising distilling decalin, produced by the hydrogenation of naphthalene, under conditions of temperature such that trans-decalin is distilled overhead and cis-decalin remains as still bottoms, reacting the separated cis-decalin with tertiary butyl chloride in the presence of aluminum chloride and recovering the 9-chlorodecalin from the reaction mixture.

2,629,749

PRODUCTION OF HALOBICYCLOALKYL AROMATIC COMPOUNDS

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 25, 1949, Serial No. 95,364

15 Claims. (Cl. 260-649)

1. A process for producing a halobicycloalkyl aromatic compound which comprises reacting an aromatic compound having a replaceable nuclear hydrogen atom, in the presence of an alkylating catalyst at an alkylating temperature, with the monohalide resulting from the halogenation of a bicyclo [2.2.1] heptene, the halogen of said monohalide being selected from the group consisting of chlorine and bromine.

15. A 2-phenyl-3-halobicyclo [2.2.1] heptane in which the halogen is selected from the group consisting of chlorine and bromine.

2,629,750

STABILIZED AZULENE OIL

Stephen Rath, New York, N. Y., assignor to Science Associates Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 25, 1948, Serial No. 51,300

1 Claim. (Cl. 260-666)

A process for preparing a stabilized product from azulene-containing oils recovered from *Achillea millefolium*, comprising in combination the subsequent steps of dissolving said oils in a volatile solvent, cooling the solution thus formed to a temperature below 0° C., separating the solidified portions from the solution, evaporating the solvent, and subjecting the oil residue to fractional distillation at 135° to 165° C. under a vacuum of 1-3 mm.

2,629,751

HYDROGENATED 1,1,3-TRIMETHYL-3-PHENYL INDANE

Glenn C. Wiggins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application January 26, 1950, Serial No. 140,758

2 Claims. (Cl. 260-667)

1. A method of making 1,1,3-trimethyl-3-cyclohexyl indane which comprises subjecting 1,1,3-trimethyl-3-phenyl indane to hydrogen at a pressure of from 150 to 600 pounds per square inch and a reaction temperature between 150° and 350° C. in the presence of a hydrogenation catalyst selected from the group consisting of nickel and palladium until the chemical addition of six atoms of hydrogen per mole of the 1,1,3-trimethyl-3-phenyl indane is obtained, then discontinuing the hydrogenation reaction.

2,629,752

PREPARATION AND PURIFICATION OF 1-PHENYLBUTADIENE-1,3

Louis E. Craig, Washington, N. J., and Clifford E. Larrabee, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 27, 1951, Serial No. 263,711

2 Claims. (Cl. 260-674)

1. In the process of catalytically cyclopolymerizing acetylene and separating a yellow-colored $C_{10}H_{10}$ material, the improvement which comprises extracting the yellow component from said material with aqueous silver nitrate, and distilling from the resulting raffinate 1-phenylbutadiene-1,3.

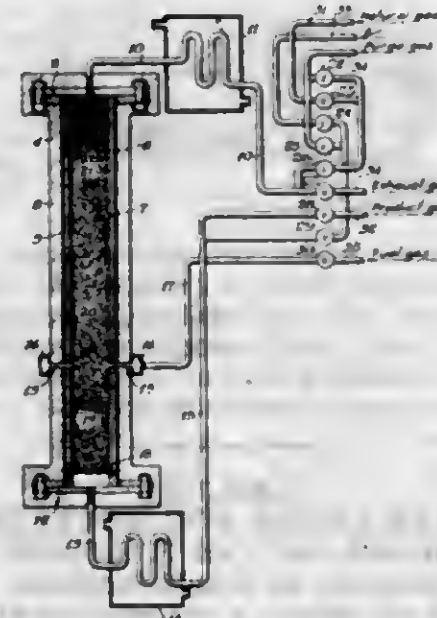
2,629,753

MAKING ETHYLENE BY CATALYTIC PYROLYSIS

Ludo K. Frevel and John W. Hedelund, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application August 26, 1948, Serial No. 46,328

10 Claims. (Cl. 260-683)



1. In a process of pyrolyzing ethane to produce a high yield of ethylene with minimum formation of acetylene and non-gaseous hydrocarbons, the step which comprises passing a stream of ethane and an inert diluent wherein the proportion of ethane is such that the partial pressure thereof is less than 0.2 atmosphere through a bed

of a catalyst at a temperature of 800° to 1000° C. and under reducing conditions such catalyst consisting of small pieces of a refractory of the class consisting of metal oxides and metal silicates which is infusible and irreducible by hydrocarbons at 1000° C. and is of such limited porosity as to have a surface area of less than one square meter per gram, such refractory pieces having deposited on the surface thereof a metal consisting of manganese, iron, copper, and cobalt in a proportion of from 0.001 to 1.0 per cent by weight thereof.

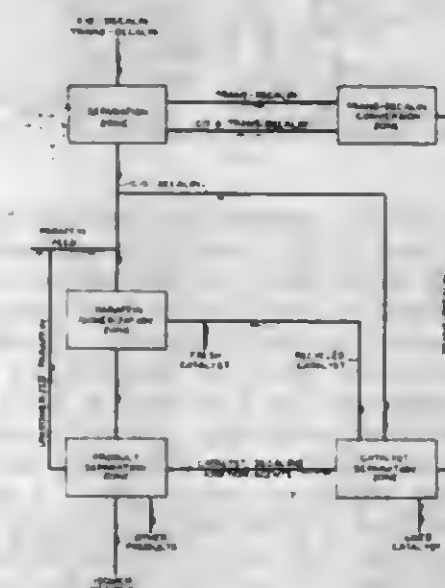
2,629,754

METHOD OF ISOMERIZING PARAFFINS WITH ALUMINUM HALIDES AND CIS-DECALIN

Francis E. Condon, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 17, 1948, Serial No. 65,905

7 Claims. (Cl. 260-683.5)



1. A process for the isomerization of an isomerizable hydrocarbon which comprises subjecting decalin to fractionation to separate a cis-decalin fraction and a trans-decalin fraction therefrom, combining the cis-decalin fraction with said hydrocarbon and subjecting the combined stream under isomerization conditions to the action of an isomerization catalyst, processing the resulting reaction mass to separate from it isomerized hydrocarbon as a product of the process, catalyst and cis-decalin, trans-decalin formed from cis-decalin during the isomerization, any by-products which are separated from the process, and unreacted hydrocarbon, converting the trans-decalin to cis-decalin, and passing the cis-decalin, the unreacted hydrocarbon and the catalyst to the isomerization step.

2,629,755

METHOD OF PLASTICIZING RUBBER

John Joseph Verbanc, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 17, 1947, Serial No. 780,589

11 Claims. (Cl. 260-761)

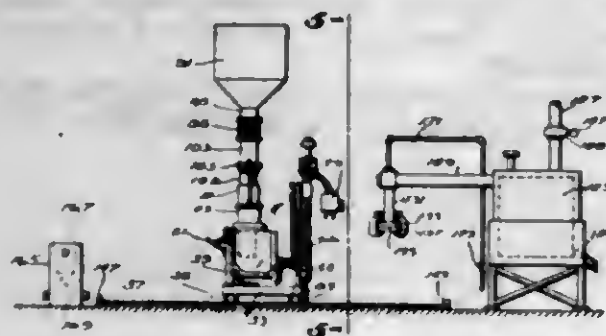
1. The method of decreasing the resistance to flow of unvulcanized rubber comprising incorporating 0.05% to 5% by weight based on the unvulcanized rubber of an acyl ester of a naphthyl thiol devoid of amino substituents wherein the acyl group contains less than 9 carbon atoms.

ELECTRICAL

2,629,756 APPARATUS FOR SMELTING ZINCIFEROUS MATERIAL COMPRISING AN ELECTRIC FURNACE

Richard A. Wilkins and Gordon C. Mutch, Rome, N. Y., assignors to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

Application June 28, 1949, Serial No. 101,754
2 Claims. (Cl. 13-8)



1. Apparatus for separately recovering metallic zinc and iron from a mixture containing zinc oxide, carbon reducible iron compound, and electrically conductive reaction carbon comprising a furnace having a substantially closed retort chamber provided with an electrically conductive lining and having a charging port for said chamber provided with an upwardly facing entrance opening, means for charging said chamber with the mixture comprising a discharge means presenting a downwardly facing opening, a movable carrier for said furnace having a position of movement in which said upwardly facing opening of said charging port is positioned below said downwardly facing opening of said discharge means in registry therewith whereby said chamber may be charged with the mixture, a condenser for condensing zinc vapors to liquid zinc, which condenser has an inlet conduit presenting a downwardly facing inlet opening, the carrier having a second position of movement in which said entrance opening of said charging port is positioned below said inlet opening of said condenser inlet conduit in registry therewith, electric circuit means for inducing a high frequency heating current in the reaction carbon of the charged mixture for reacting the zinc oxide and iron compound of the mixture with the reaction carbon to produce vaporous zinc and molten iron and discharge the vaporous zinc into said condenser when said entrance opening of said charging port is in registry with said inlet opening of said condenser inlet conduit and for also inducing a high frequency heating current in said lining for augmenting the heating of the mixture and for maintaining the iron molten upon depletion of the reaction carbon of the mixture.

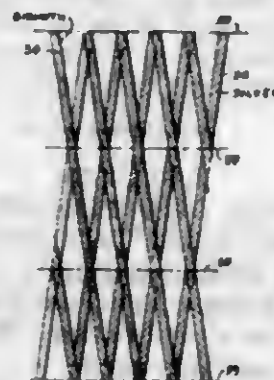
2,629,757 METHOD OF CONSTRUCTION OF SENSITIVE THERMOPILES

Herbert Couchman McKay, Eustis, Fla., assignor to Warren Dunham Foster, Eustis, Fla., and himself as trustees

Application November 8, 1943, Serial No. 509,530
14 Claims. (Cl. 136-5)

1. A method of producing a thermopile which comprises stamping a resist upon all of an elec-

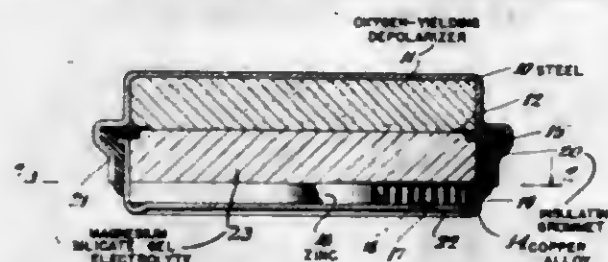
trically non-conducting base except those portions upon which narrow films of a first metal are to appear, condensing upon said base so stamped a vapor of said first metal, cleaning the resist and the first metal deposited thereupon from the base thereby leaving narrow films of the first metal joined to the base, stamping a resist upon all of said base so treated except those portions upon which narrow films of a



second metal are to appear, said films of said first metal crossing spaces not covered by said resist, depositing upon said sheet a vapor of said other and second metal, and cleaning from said base said second mentioned resist and said second metal deposited thereupon thereby leaving upon said base a desired pattern of both the said metals, said pattern thereby including a plurality of junctions of dissimilar metals.

2,629,758 ELECTRIC CURRENT PRODUCING CELL AND ELECTROLYTE THEREFOR

Samuel Ruben, New Rochelle, N. Y.
Application December 19, 1950, Serial No. 201,557
15 Claims. (Cl. 136-107)



1. An alkaline dry cell comprising an anode of amalgamated zinc, a cathode of depolarizer material, and an immobilized electrolyte body in contact with said anode and cathode, said body comprising a gel of an alkali metal hydroxide solution and magnesium silicate.

2,629,759 OUTER COVER FOR BATTERIES

Frank M. Brown and Carl F. Albrecht, St. Paul, Minn., assignors to Gould-National Batteries, Inc., St. Paul, Minn., a corporation of Delaware
Application August 11, 1949, Serial No. 109,718
1 Claim. (Cl. 136-170)

For a battery having a plurality of cells separated by inter-cell partitions within outer container walls, an inner cover member for each cell, a continuous marginal body of sealing compound sealing each of said inner cover members in relation to said partitions and walls, each of said

FEBRUARY 24, 1953

ELECTRICAL

1025

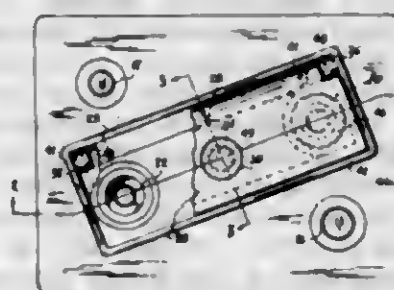
cells having a vent plug boss projecting upward from its inner cover member, a unitary outer cover comprising a panel having an upper surface disposed in a common plane with the upper edges of said walls, said panel fitting in recesses formed in said walls and having openings to receive and expose the several vent plug bosses and other openings exposing the several cell terminals for testing purposes, integral upstanding annular flanges formed on said outer cover to embrace said



bosses, and pendant flanges formed and arranged on said panel to penetrate said bodies of sealing compound and by adhesion thereto to fasten said panel on the battery, said pendant flanges extending substantially continuously around the top of each cell and having downwardly converging contact surfaces terminating in sharp lower edges adapted to be pressed into the continuous marginal bodies of sealing compound around each cell, to thereby securely fasten said outer cover in place on the battery.

2,629,760 HINGED MULTICELL COVER

Leland E. Wells, Cleveland Heights, and Robert M. Raney, Euclid, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 7, 1949, Serial No. 131,624
3 Claims. (Cl. 136-177)



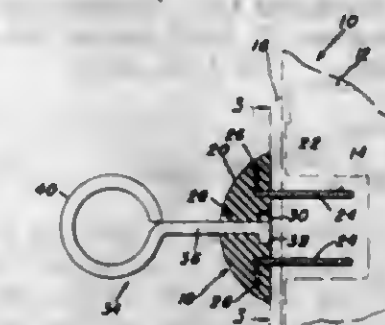
2. A storage battery comprising a plurality of cells, a unitary common cover for said cells, said cover having filling openings and vent openings communicating with the interiors of the respective cells, said vent openings communicating with the interior of the cells above the level at which the filling openings communicate therewith, a unitary closure member movably attached to the battery and adapted to move over all of the filling openings simultaneously to close the latter, valve means operatively associated with said closure member and actuated thereby to close and open said vents when said closure member is moved to open and close the filling openings respectively, and means to movably attach said unitary closure member to said common cover for movement to close and open the filling openings.

2,629,761 DUMMY PLUG AND DETACHABLE HANDLE THEREFOR

Joseph W. Determan, Oklahoma City, Okla.
Application August 28, 1950, Serial No. 181,877
3 Claims. (Cl. 173-330)

1. A temporarily usable safeguarding cover for service outlets comprising a dummy plug having

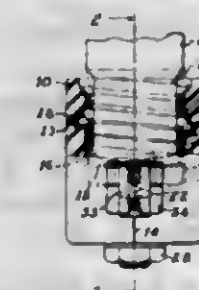
prongs adapted to fit into the usually available sockets in said outlet, said plug having a central



keyhole and being provided in its inwardly disposed flat side with a counterbore, the latter providing key accommodating abutments.

2,629,762 RAPID-CHANGE FLASH LAMP SOCKET

Arthur B. Fox, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 27, 1951, Serial No. 248,583
7 Claims. (Cl. 173-358)



1. A flash lamp socket for a lamp having a threaded base comprising an open-ended casing larger in diameter than the threaded base of the lamp to be inserted therein, the inner side walls of said casing provided with recesses having inclined bottoms tapering away from the casing interior in a direction toward the bottom thereof, a ball retainer cup telescopically mounted within said casing to move between an upper position and a lower position and having the inside faces of its side walls spaced apart a slightly greater distance than the maximum diameter of the threaded base of said lamp, the side walls of said retainer cup provided with swedged ball seats extending therethrough in alignment with said recesses and each permitting a ball seated therein to move axially of its seat to and from an operative lamp-gripping position, wherein a portion of its circumference extends beyond the inner face of said retainer cup to engage the threads on the base of a lamp inserted therein, a metal ball loosely mounted in each ball seat and of such diameter as to extend into engagement with the inclined bottoms of said recesses, whereby when the retainer cup is telescoped to its lower position said balls are free to move axially of their seats and into the deeper portions of said recesses and from said operative lamp-gripping position, and when the retainer cup is moved to its upper position, the balls are cammed to said operative lamp-gripping position by the inclined bottoms of said recesses, a spring normally urging said retainer cup to its upper position, and means extending to the outside of said casing for manually moving said retainer cup to its lower position to permit said balls to move away from their operative lamp-gripping position and thereby release said lamp from the socket.

2,629,763

ELECTRICAL CONNECTOR

James C. Macy, Westfield, N. J., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa.
Application September 16, 1950, Serial No. 185,221
2 Claims. (Cl. 173-363)

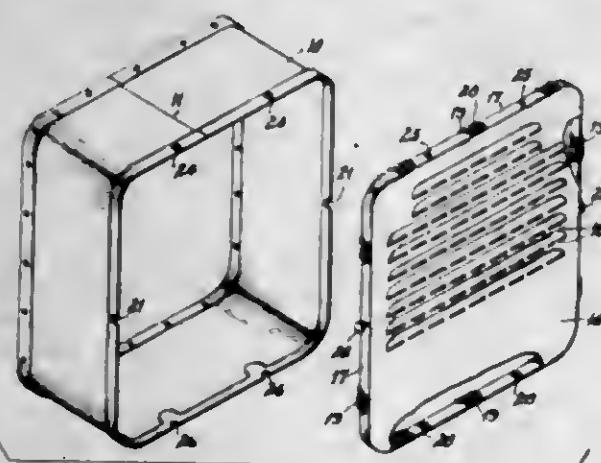


1. A connector comprising a ferrule for connection to a circuit element, a strip-like blade of substantially uniform thickness extending freely therefrom, a clip on a portion of the blade remote from the ferrule, one face of said blade toward the free end portion thereof being planar for a distance back from the free end at least about twice the corresponding dimension of said clip, said clip extending integrally from a lateral edge of said end portion and across said planar face with spacing therefrom which, when the connector is unconnected, is slightly less than the thickness of the blade, and a bend on a straight line across the strip-like blade between the ferrule and the end portion forming a guide for engaging the end of a counterpart connector during connection to hold its clip portion within the region surrounding said planar face.

2,629,764

AUTOMOBILE RADIO CABINET WITH COVER CONTACT CLIPS

Verlie H. Wiley, Kenmore, N. Y., assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of Massachusetts
Application June 7, 1949, Serial No. 97,689
5 Claims. (Cl. 174-35)



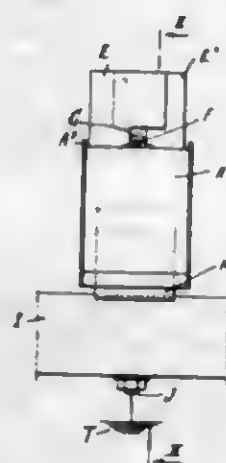
1. A metallic housing for enclosing an automobile radio receiver comprising, a continuous wrap-around metallic body section which provides four walls of said housing, a first metallic cover section having flanged edges positioned in telescopic relation with one end of said body section and electrically and mechanically connected thereto, a readily removable second metallic cover section having flanged edges positioned in telescopic relation with the other end of said body section, a plurality of spring contact members positioned between the opposing surfaces of said body and second cover sections for establishing along the length of said opposing surfaces electrical connections between said body and second cover sections, said contact members tending unduly to deform and separate said body and second cover sections and thereby to create regions of poor electrical contact therebetween which permit undesirable leakage of automobile ignition interference to the receiver enclosed

within said housing, and means including slots provided in the telescoping edge portions of one of said body and second cover sections and tapered-head pull-in studs secured to the other thereof in cooperative relation with said slots for forcing said telescoping edge portions together against the spring action of said contact members to render said housing more rigid and to insure good and consistent electrical contact between said surfaces upon each assembly of said second cover section to said body section while yet permitting ready removal of said second cover section from said body section.

2,629,765

DOUBLE-ACTING LIGHTNING PROTECTOR FOR ELECTRIC INSTALLATIONS

Jérôme Cougnard, Nanterre, France
Application February 7, 1952, Serial No. 270,466
In France March 13, 1951
7 Claims. (Cl. 174-140)



1. In lightning protection means for electric transmission lines and associated devices, an insulator, an inverted U-shaped conducting plate having an upper web portion mounted on said insulator and two side portions depending from said web portion, attachment means on said web portion for attaching thereto the line to be protected, at least one upwardly extending screen mounted on said web portion and a grounded conducting plate facing the inner side of each of said depending side portions, said depending side portions and said screen being disposed in substantially right-angular cross relation to said line so as to stop lightning surges arriving from either side along the line.

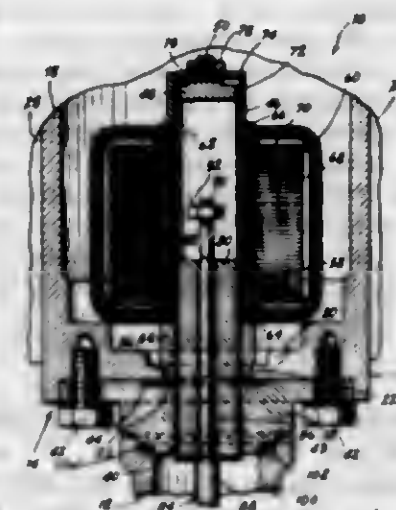
2,629,766

SOLENOID OPERATED ACTUATOR

Frank J. Vargo, University City, Mo., assignor to Alco Valve Company, University City, Mo., a corporation of Missouri
Application July 5, 1949, Serial No. 103,109
1 Claim. (Cl. 175-341)

In a device of the type described, in combination, an upwardly extending tube-like member having a closure member at the upper end thereof which contains an upwardly extending stud-like portion; a coil disposed around the tube-like member; a magnetic yoke containing opposed openings disposed on said tube-like member and surrounding said coil, said yoke comprising an elongated strip-like member spirally wound into a continuous loop, the upper end of the tube-like member extending through one of said openings; a sleeve-like member slidably disposed on the upper end of said tube-like member above the yoke, the upper end of said sleeve-like member

extending above the upper end of the tube-like member; a disc-like member containing an opening therein disposed on the stud-like portion

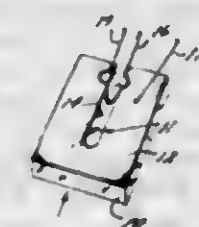


above the sleeve-like member; and removable retaining means adjacent the end of the stud-like member maintaining the disc-like member against the upper edge of the sleeve-like member.

2,629,767

SEMICONDUCTOR AMPLIFIER OR OSCILLATOR DEVICE

Herbert Nelson, Bloomfield, and Bernard N. Slade, Morristown, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 31, 1949, Serial No. 113,304
8 Claims. (Cl. 175-366)



1. A semi-conductor device comprising a semi-conducting body having contiguous conductive and semi-conductive surface portions, and a plurality of small-area electrodes in contact with a semi-conductive surface portion and disposed closely adjacent to each other and to said conductive surface portions.

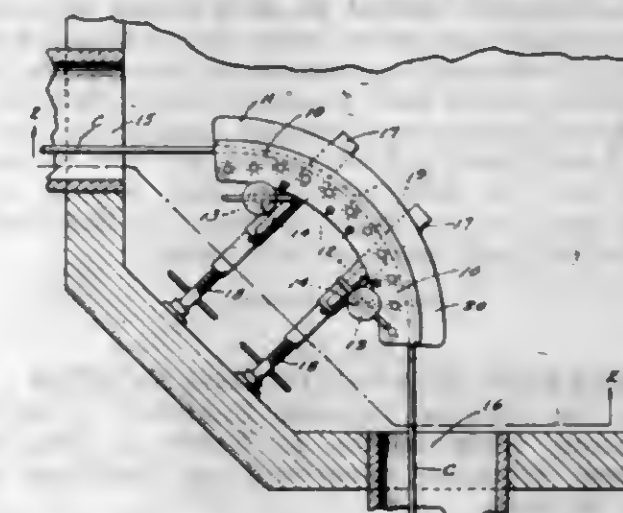
2,629,768

ARCuate ROLLER CONVEYER FOR CABLES

Harold A. Bell, Youngstown, Ohio
Application July 10, 1951, Serial No. 236,030
3 Claims. (Cl. 175-376)

1. An arcuate roller conveyor for cables comprising a pair of arcuate body members spaced with respect to one another and having a plurality of rollers therebetween journaled therein. said rollers journaled inwardly from the forward edges of said arcuate body members, the body members each having an outer curved marginal portion projecting beyond the faces of the rollers, said projecting outer marginal portions being of sufficient width to form guides for a cable trained over the rollers, tubular members rigidly secured to said body members at right angles to one an-

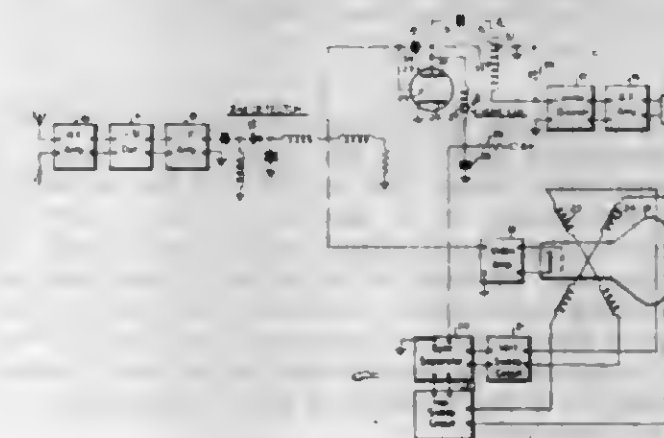
other, and jack posts engaged in said tubular members for positioning said arcuate roller con-



veyor between the adjacent ends of a pair of conduits.

2,629,769

INTERCARRIER TELEVISION RECEIVER
Walter J. Stroh, Franklin Park, and Walter S. Drux, Chicago, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois
Application December 9, 1949, Serial No. 132,124
4 Claims. (Cl. 178-5.8)



3. In a receiver for utilizing a television signal including a composite video signal amplitude-modulated on a first carrier wave, and a sound signal frequency-modulated on a second carrier wave frequency-displaced a predetermined amount from said first carrier wave, said composite video signal including image-signal components contained within a given frequency band and further including synchronizing-signal components contained within a small portion of said band; a detector circuit for detecting said amplitude-modulated composite video signal, and for heterodyning said first and second carrier waves to produce an inter-carrier signal frequency-modulated with said sound signal; a video channel coupled to said detector circuit and having an acceptance band corresponding to said given frequency band for utilizing said detected composite video signal; an electron-discharge device separate from said video channel; an input circuit for said device coupled to said detector circuit for supplying said detected composite video signal and said frequency-modulated inter-carrier signal to said device; a synchronizing channel; a first output circuit for said device including a filter network having a passband corresponding to said portion of said given frequency band for supplying substantially only said synchronizing components to said syn-

chronizing channel; a sound channel; and a second output circuit for said device for supplying said inter-carrier signal to said sound channel and including, an inductance coil having first and second extremities connected respectively to said device and to said sound channel and having a preselected tap thereon connected to a point of reference potential, the portion of said coil defined by said tap and said second extremity being tuned to be resonant at the mean frequency of said inter-carrier signal.

2,629,770

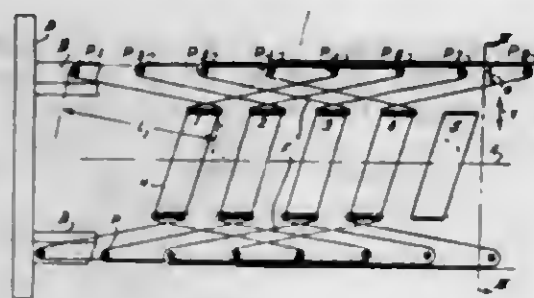
VIBRATION TRANSMITTING SYSTEM

Donald Orr Sproule, London, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland, a company of Great Britain

Application December 18, 1948, Serial No. 66,120

In Great Britain December 24, 1947

8 Claims. (Cl. 178-44)



4. A vibration transmitting system comprising an elongated body in the form of a helix for transmitting along the length of the elongated body vibrations in a direction transverse with respect to the longitudinal axis of said body, and a supporting system for said body, said supporting system comprising a supporting frame structure and filamentary supports extending between said frame structure and said helix, said filamentary supports being inclined at acute angles to the axis of said helix.

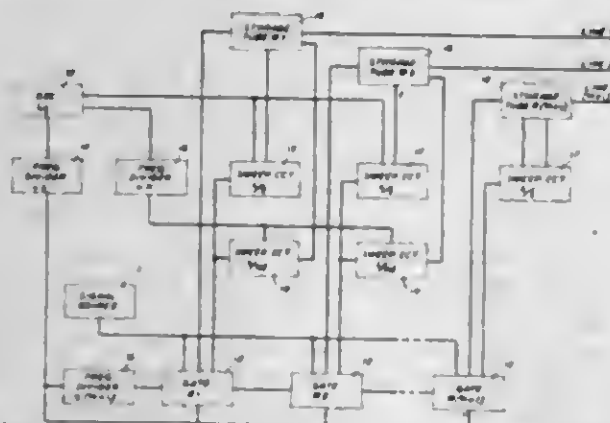
2,629,771

BAND-WIDTH REDUCTION SYSTEM

Alva Eugene Anderson, Mountainside, and Raymond W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 31, 1950, Serial No. 182,504

5 Claims. (Cl. 178-44)



4. Apparatus for the multipath transmission of signal information at a band width reduced by a factor n where n is a positive integer comprising an input signal source, $(n+1)$ storage devices, each including means for storing input signals

and for subsequently reading the stored signals, a sequential chain switch including $(n+1)$ gating circuits, one associated with each storage device, a source of timing pulses, means for dividing each timing pulse into $(n+1)$ synchronizing pulses, means for applying said synchronizing pulses to the chain switch for actuating each gating circuit in turn and thereby switching each storage device from a storing to a reading operation, for the duration of a timing pulse, each storage device being in a storing state for the time of one synchronizing pulse and in a reading state for the time of n synchronizing pulses, and $(n+1)$ transmission paths, one associated with each storage device for the transmission of its read output.

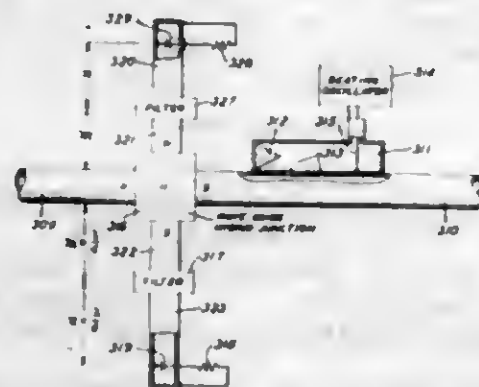
2,629,772

REDUCTION OF PHASE DISTORTION

Douglas H. Ring, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 21, 1951, Serial No. 247,680

6 Claims. (Cl. 178-44)



4. A bridging inverter for inverting a microwave multifrequency signal comprising a waveguide hybrid junction having two pairs of conjugately related terminals, an input waveguide and an output waveguide connected each to one terminal of a first pair of said terminals, a detector means located in an extension of each of the terminals of the second pair, means for supplying oscillator power of frequency above said multifrequency signal to each of said detector means, band-pass filter means adapted to pass at least the frequencies of said multifrequency signal connected in each of said extensions, the distance to one of said filter means from one terminal of said second pair being an odd multiple of quarter wavelengths of the center frequency of said multifrequency signal longer than the distance to the other of said filter means from the other terminals of said second pair.

2,629,773

PHASE ADJUSTER

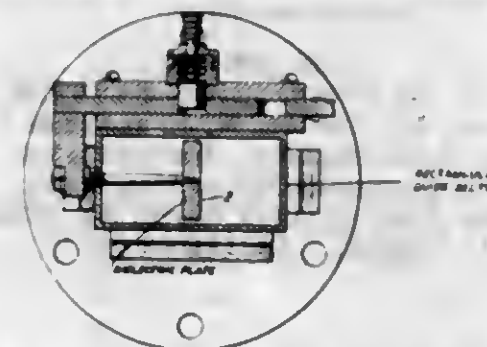
Nathan I. Hall, Madison, and Clifford A. Warren, Watchung, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 11, 1946, Serial No. 640,496

2 Claims. (Cl. 178-44)

2. A composite phase shifter for microwaves, comprising a section of low-loss uniform, hollow waveguide of closed rectangular cross-section throughout its length, a plurality of low-loss dielectric vanes of predetermined length, each providing a predetermined phase shift to dominant mode waves, supporting means for maintaining said vanes lengthwise of said guide and parallel to its narrower side walls, means for selectively moving said vanes in one jump from said side

wall to the median plane of said section where the electric field vector is maximum, to provide a composite phase shift without introducing reflection, each vane being provided at its extremities with a pair of integral terminals shaped for impedance matching, said supporting means comprising pairs of rods retractably mounted in and perpendicular to said side wall and attached to said vanes, the spacing lengthwise of said guide section between a pair of rods being a quarter



of the wavelength which said waves have when said vanes are in the median plane and locking means for each vane comprising a plate slidably mounted on said waveguide and connected rigidly to said rods and vane respectively, each plate having two openings spaced apart a distance equal to the spacing between said side wall and median plane, and a spring pressed plunger adapted to selectively fit into said openings and maintain said vanes locked in the median and side wall positions respectively.

2,629,774

TUNABLE PROTECTIVE ELECTRIC BREAKDOWN DEVICE

Andrew Longacre, Oak Ridge, Tenn., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy

Original application May 6, 1943, Serial No. 485,933. Divided and this application December 3, 1947, Serial No. 789,487

5 Claims. (Cl. 178-44)



3. In combination, a hollow rectangular waveguide adapted to propagate high frequency electromagnetic waves, a metallic wall positioned in said guide transversely to the direction of wave propagation through said guide and having an aperture therein which has an appreciable dimension perpendicular to the electric component of the field incident to the propagation of said waves through said guide, said aperture being dimensioned and shaped to resonate at a frequency in the neighborhood of that of oscillations desired to be transmitted through said waveguide, and at least one conducting shutter in electrical contact with said wall adapted to establish a short circuit across said aperture, said shutter being adjustable along said aperture in the direction of said appreciable dimension.

2,629,775

SIGNAL CONVERTER

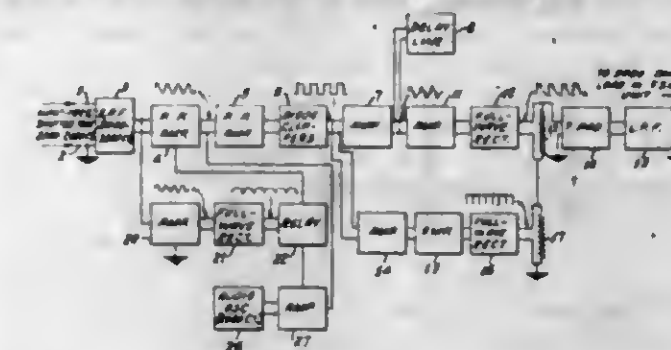
Hallan E. Goldstine, Port Jefferson Station, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 17, 1950, Serial No. 168,771

8 Claims. (Cl. 178-66)

1. In an arrangement for converting a periodic input wave of variable frequency to a direct volt-

age output the amplitude of which is proportional to the frequency of the input wave, means for clipping said input wave to produce a substantially square wave, means receptive of said square wave for producing a pulse of predetermined constant duration for each half-cycle of said square wave, the average energy in the pulses



being proportional to the number of pulses per second and successive pulses being of opposite relative polarity, means for rectifying said pulses in a full-wave manner, means for deriving from said square wave a constant bucking voltage, and means for combining in opposition said bucking voltage and the output of said rectifying means.

2,629,776

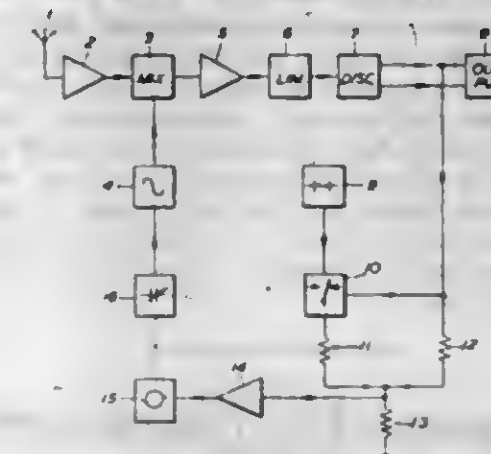
TELEGRAPH RECEIVER

Victor John Terry, John Douglas Holland, and Ivor Reginald John James, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application March 14, 1952, Serial No. 276,624

In Great Britain March 2, 1951

2 Claims. (Cl. 178-69)

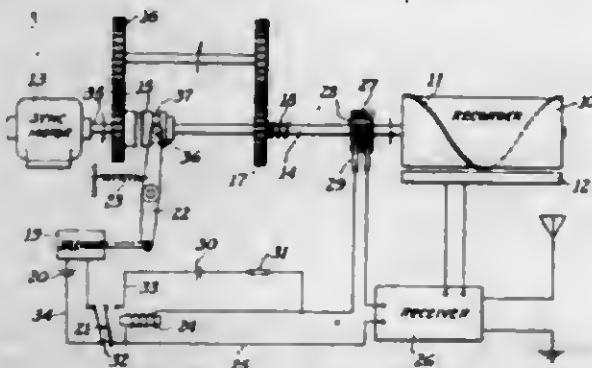


1. A receiver for frequency shift telegraph signals subject to random frequency variation, comprising means for receiving incoming signals, a tunable local oscillator, means for mixing said incoming signals with the output of said local oscillator to produce a given intermediate-frequency, a discriminator means, means for applying said intermediate-frequency to said discriminator means, means for deriving from said discriminator a first voltage waveform alternating in polarity between marking and spacing signals, and means for using said voltage waveform to control the frequency output of said local oscillator, said last mentioned means comprising a source of direct-current potential, means for varying said direct-current potential to produce a second alternating waveform having a magnitude equal and opposite to the correct voltage output from said discriminator, means for adding said two voltage waveforms, the resultant waveform having a polarity and magnitude dependent on said frequency variation, and means for applying said resultant waveform to means for tuning said local oscillator to compensate for said variation.

2,629,777

PHASING CLUTCH FOR FACSIMILE RECEIVERS

Clayton E. Hunt, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1950, Serial No. 194,132
9 Claims. (Cl. 178—69.5)

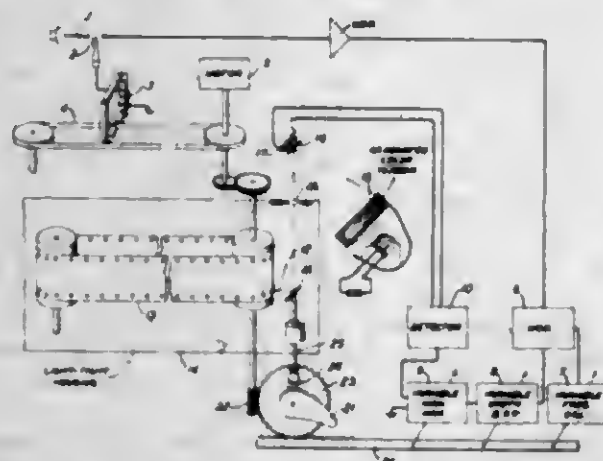


1. In a facsimile recorder; means for receiving facsimile and phasing signals from a transmitter which operates at a known speed, a recording device, a drive shaft coupled to the recording device, a motor adapted to drive the recording device through said drive shaft at said known speed, means including a gear train and an over-running clutch for connecting the motor to the drive shaft and adapted to drive the recording device at slightly less than said known speed, a positive clutch for coupling the motor to the drive shaft to drive the recording device at said known speed, means including a solenoid for actuating said positive clutch, a circuit responsive to phasing signals for controlling operation of the solenoid, means movable with the recording device for momentarily connecting the phasing signal receiver to said circuit whenever the recording device passes a certain point in its cycle, whereby the circuit will, through its control of the operation of the solenoid, cause said positive clutch to be closed when said certain point is being passed while a phasing signal is being received, and means for maintaining the positive clutch closed after the recording device has passed said certain point.

2,629,778

VISUAL REPRESENTATION OF COMPLEX WAVES

Ralph K. Potter, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1946, Serial No. 668,753
20 Claims. (Cl. 179—1)



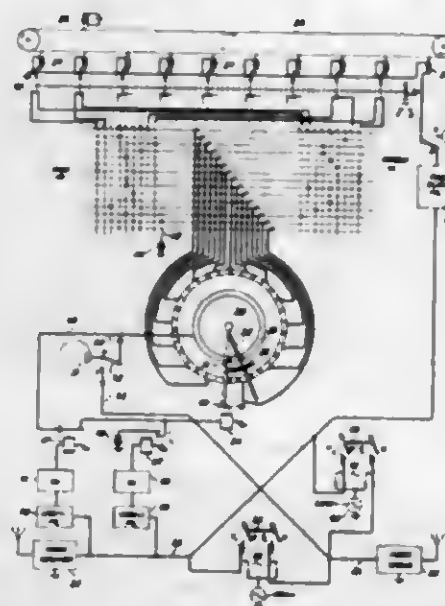
1. The method of depicting complex waves which comprises recording the frequency-intensity composition of said waves at substantially

a given instant as a line differing in color along its length, each point along said line being individual to a particular frequency component and the color at each said point being correlated with the intensity of the frequency component individual thereto, and similarly recording the frequency-intensity composition at successive instants of time as laterally contiguous lines, with the points individual to the same frequency components being in registry with each other.

2,629,779

SIGNAL TRANSMISSION SYSTEM

Walter Koenig, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1944, Serial No. 530,686
12 Claims. (Cl. 179—1.5)

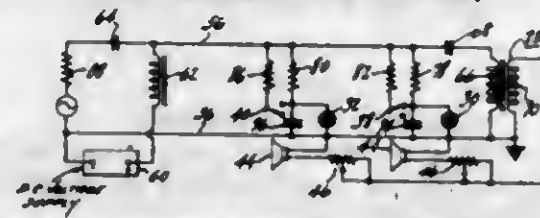


1. In a signal privacy system, a line, means to introduce different amounts of delay in the signals to be sent, means comprising a rotary distributor for selectively transmitting to the line in successive time intervals fragments of the signal that have been delayed by respectively different times, said distributor having two brushes and means causing them to sweep over a fractional number of distributor segments one after the other in such manner that each brush passes off the last of said segments at the instant the other brush is starting to traverse the first of said segments, and means for enabling each brush to transmit said signal fragments only during the part of its rotation in which it is passing over said fractional number of segments.

2,629,780

ILLUMINATION AND SIGNALING SYSTEM FOR DRIVE-IN THEATERS

John F. Byrd, Ashland, and James D. Phyle, Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 31, 1949, Serial No. 84,703
12 Claims. (Cl. 179—2)



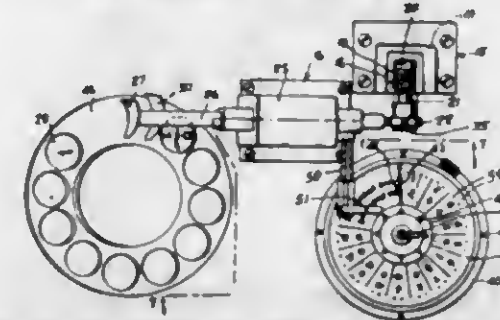
1. In a combined sound distributing and signaling and illumination system for an outdoor theater, the combination of transmission lines to distribute sound signals to sound reproducing

stations, each of said sound reproducing stations comprising a junction box and a pair of loudspeakers mounted on said junction box for ready removal therefrom, each of said loudspeakers having a protective housing, a pair of glow lamps mounted on said junction box, and a control switch mounted on each of said loudspeaker housings, said switches being electrically coupled to said glow lamps to control their illumination for signalling, means to impress direct current electrical energy to illuminate said glow lamps upon said transmission lines, and means to isolate the glow lamp illuminating energy from said loudspeakers.

2,629,781

TELEPHONE CALL COUNTING DEVICE

Henry Feinstein, Brooklyn, N. Y.
Application May 21, 1948, Serial No. 28,349
20 Claims. (Cl. 179—7.1)



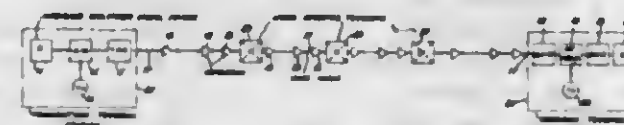
1. An attachment for dial telephones, comprising a counter, a timer, and an actuator which is engageable both with the counter and the timer to actuate both, said actuator being positioned adjacent the telephone dial where it is engageable by the same means which is used to dial the telephone, whereby dialing the telephone actuates both the counter and the timer.

4. An attachment for dial telephones, comprising a timer and an actuator therefor, said timer including a timepiece having a minute hand and comprising: a telephone call time charge computing dial mounted adjacent said minute hand, a projection on said dial which is engageable with said minute hand and a rotatably mounted toothed wheel operatively connected to said dial; an actuator positioned adjacent the dial of the telephone, said actuator being engageable by dialing the telephone to cause movement of said actuator to thereby actuate the toothed wheel, causing the computing dial with its projection to turn for at least eventual engagement with the minute hand.

2,629,782

REDUCTION OF PHASE DISTORTION

Douglas H. Ring, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 20, 1949, Serial No. 111,495
7 Claims. (Cl. 179—15)



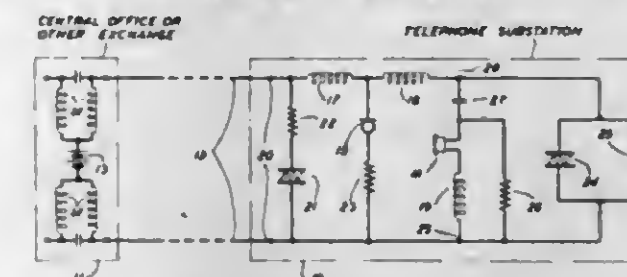
1. In combination, a source of carrier frequency signals, a source of intelligence signals, modulator means connected to said intelligence source and said carrier source, said modulator means adapted to impress said intelligence signals upon said carrier signal to produce a high

frequency signal in which said intelligence is represented by phase and frequency relations between a set of signal sidebands and said carrier signal, a highly dispersive wave-guide transmission medium having one end thereof connected to said modulator, said high frequency signal applied to said wave-guide medium, demodulator means connected to the other end of said wave-guide medium, said demodulator means adapted to detect said phase and frequency relations between said carrier signal and said sideband signals and thereby to reproduce said intelligence signals, and inverter means located between said modulator means and said demodulator means along said wave-guide medium, said inverter means adapted to invert said set of signal sidebands about said carrier frequency thereby to preserve said phase relations during transmission through said dispersive transmission medium.

2,629,783

TELEPHONE CIRCUIT

Harris F. Hopkins, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1950, Serial No. 202,887
19 Claims. (Cl. 179—81)

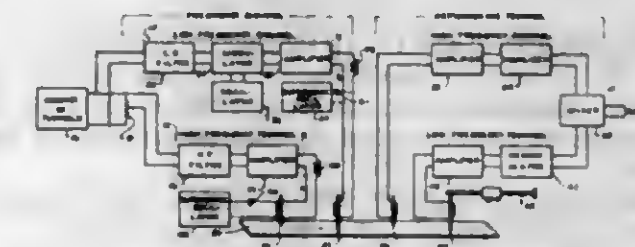


1. A telephone circuit including a transmitting circuit, a receiving circuit and a telephone line connecting said transmitting and receiving circuit to a telephone exchange, a first current-sensitive resistance element connected in shunt with said line at a point near said transmitting and receiving circuits, and a line balancing network including a second current-sensitive resistance element connected in a shunt relation with said receiving circuit.

2,629,784

WIDE FREQUENCY-RANGE MAGNETIC RECORDING AND REPRODUCING SYSTEM

Fred B. Daniels, New York, N. Y.
Application January 17, 1945, Serial No. 573,235
15 Claims. (Cl. 179—100.2)
(Granted under Title 35, U. S. Code (1952), sec. 266)



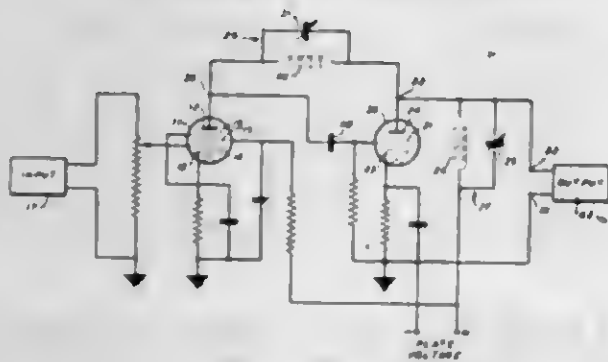
1. A wide frequency-range magnetic recording system including a source of signals having sub-audio and audio frequencies, a low frequency recording channel including a low-pass filter connected to said source, a carrier frequency generator for generating a frequency which is equal to the audio frequency at which said magnetic medium has maximum output for a constant current input at all frequencies, and

a modulator connected to the output of said low-pass filter and of said generator, a first magnetic head connected to said modulator, a magnetic recording tape positioned with one of its side portions adjacent to one of its edges in recording relationship with respect to said first magnetic head, a high frequency recording channel including a high-pass filter connected to said source, and a second magnetic head connected to the output of said high-pass filter, said second head being in recording relationship with respect to the other side portion adjacent to the other edge of said tape, whereby the low frequency components of said source of signals are recorded as a modulated carrier along one side portion of said tape and the high frequency components are recorded directly along the other side portion of the same tape.

2,629,785

FREQUENCY SELECTIVE AMPLIFIER

Howard A. Tooker, Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1951, Serial No. 218,466
6 Claims. (Cl. 179-171)



1. In an amplifier system, the combination with a first tube and a second tube, each comprising at least a plate, a grid, and a cathode, and a capacitance coupling between the plate of the first tube and the grid of the second tube, of a tuned circuit comprising an inductance and a capacitance in parallel connected in the plate circuit of the second tube, a second tuned circuit also comprising an inductance and a capacitance in parallel connected between the plates of the two tubes to provide feedback between the output and input of the second tube, and a source of D. C. plate potential for the first tube whose positive side is connected to the plate of the first tube through the coil of the second tuned circuit.

2,629,786

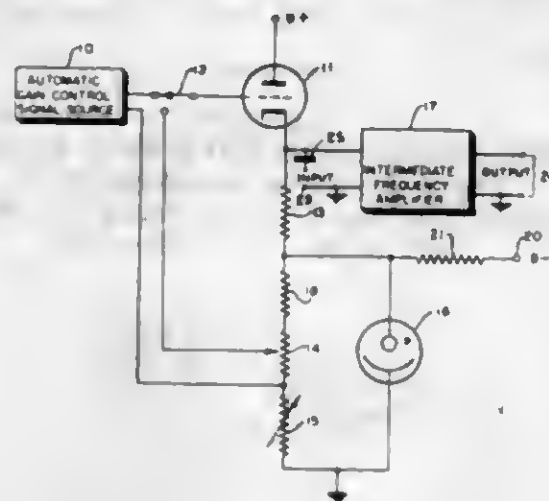
AUTOMATIC GAIN CONTROL CIRCUIT

Clyde E. Ingalls, Canisteo, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application January 9, 1946, Serial No. 640,111
1 Claim. (Cl. 179-171)

In combination, an amplifier having an input grid circuit and output terminals, an automatic gain control circuit for producing a unidirectional gain control signal, a cathode follower circuit including an electron tube having at least an anode, cathode and cathode grid and an unby-passed low resistance cathode resistor, a grounded point providing a reference potential level, a first potential source having its positive and negative terminals directly connected to said anode and said grounded point, respectively,

a second potential source having its negative terminal connected to the end of said cathode resistor remote from said cathode and its positive terminal connected to said grounded point whereby said electron tube and said cathode resistor are serially connected between points positive and negative with respect to ground, means for applying said unidirectional gain control signal between the grid of said electron tube and a second point of fixed potential less negative with respect to ground than the negative



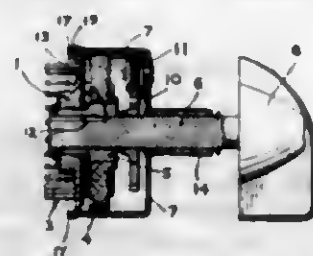
terminal of said second potential source, and low impedance conductor means directly connecting the input grid circuit of said amplifier between said cathode and ground, the potential level of said second point being arranged whereby said cathode is biased negatively with respect to said grounded point with no unidirectional signal present on said control grid and whereby said unidirectional signal when present on said control grid is applied to said amplifier input circuit substantially without change of wave form and at low impedance and time constant.

2,629,787

ELECTRICAL SWITCH

Arthur Coles, Jr., Westfield, and Andrew Hood, Arlington, N. J., assignors to The Daven Company, Newark, N. J., a corporation of New Jersey

Application November 8, 1948, Serial No. 59,006
4 Claims. (Cl. 200-11)



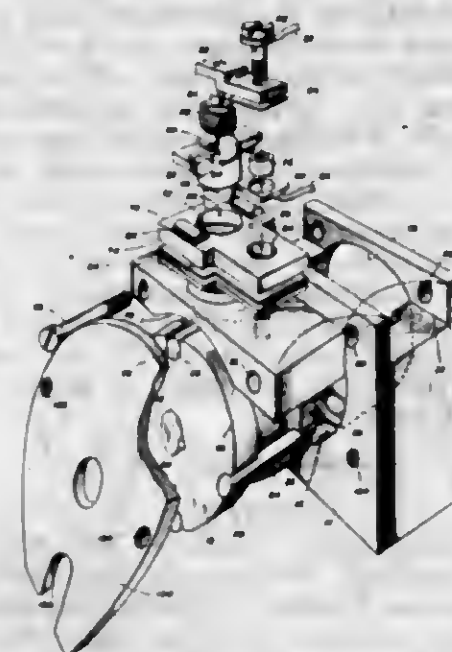
1. In an electrical switch, a stationary contact carrying member, a plurality of stationary contacts carried thereby, a contact carrying member movable about a fixed axis and provided with an opening extending therethrough, an abutment extending across said opening, a U-shaped contact member having its legs extending through said opening and spanning said abutment, each of the legs of said U-shaped contact member provided with an opening therein, and a coiled spring having its ends engaging in said openings and its coil engaging said abutment for urging the ends of the U-shaped contact into stationary contact engaging position.

2,629,788

IGNITION BREAKER

Howard L. Fuston, Oak Park, Ill.

Application August 24, 1950, Serial No. 181,239
8 Claims. (Cl. 200-30)



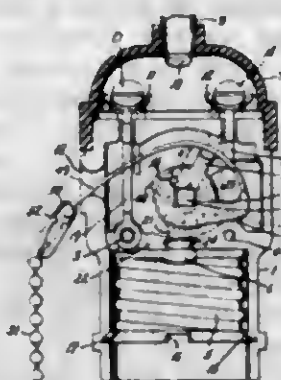
1. In an ignition breaker, a cylindrical holder having a peripheral circular groove and transverse peripheral slots extending across the groove, cam rollers seated in the slots, a block having a circular opening in which the cam holder and the rollers are inserted and by which the rollers are retained in their slots, and an ignition cam follower having means for supporting it in the block, a portion of the cam follower extending into the peripheral groove of the holder and adapted to engage the rollers as the holder is rotated in the block.

2,629,789

PULL-OPERATED SWITCH

George B. Benander, Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application March 13, 1951, Serial No. 215,292
6 Claims. (Cl. 200-51.15)



1. In a pull operated switch having a rotary contactor for making and breaking the circuit through fixed contacts, a ratchet and pull link member for operating said rotary contactor in steps, and a pin forming an axis about which said member and said contactor rotate, said member being integrally formed from nylon and comprising a ratchet face providing a one-way drive for rotating the contactor, a protuberance on the face thereof opposite said ratchet face engageable with a resilient means to return said member to its initial position independently of the contactor after each operation of the

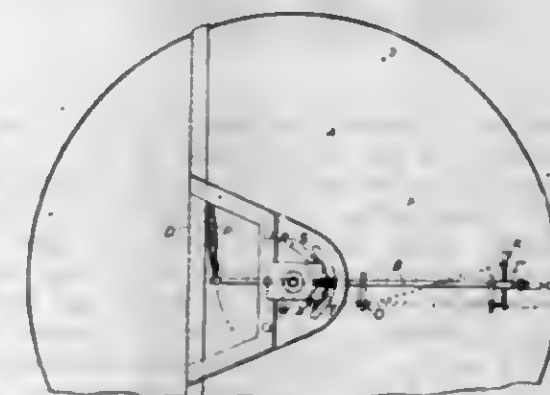
switch, a radially extending arm, an elongated flexible portion extending from the end of said arm forming the pull link for the switch, said link having a transverse cross-section providing a major and a minor axis with said link being positioned relative to said switch to permit the flexing of said link relative to the major axis of its cross section, and a second radially extending arm forming a bearing for said pull link to increase the torque resulting from a given pull on said link during initial rotary movement.

2,629,790

APPARATUS FOR MEASURING AND/OR CONTROLLING THE CONSISTENCY OF A PASTE OR SLURRY

John William Laing, Mill Hill, London, and Peter Edward Starnes, Boreham Wood, England, assignors to John Laing & Son Limited, London, England

Application October 7, 1950, Serial No. 188,922
In Great Britain October 7, 1949
2 Claims. (Cl. 200-52)



1. Apparatus for measuring and/or controlling the consistency of a paste or slurry in a revolving mixing pan comprising in combination with a frame mounted for pivotal movement about a vertical axis over the mixing pan, a spring opposing the pivotal movement in one direction of said frame, a fixed scale and a pointer on said frame disposed adjacent said scale, an arm hingedly supported on said frame adapted in one position to extend downwards into the slurry in the pan and in another position to be clear of the slurry in the pan, a paddle or blade mounted on said arm and in one position immersed or partly immersed in the slurry in the pan and means for clamping the said arm with the paddle in immersed or partly immersed position.

2,629,791

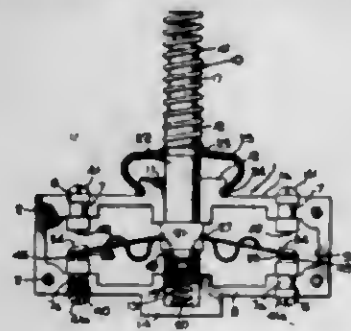
SNAP SWITCH

Robert G. Le Tourneau, Long View, Tex.

Application June 16, 1951, Serial No. 231,939
1 Claim. (Cl. 200-76)

A snap action switch comprising: an elongated hollow housing; an upper boss on said housing having a central opening therethrough; a lower boss on the housing having a recess therein; an actuating member slidably mounted in said opening and said recess; said housing being divided longitudinally along a plane passing through the axis of said actuating member and into two substantially complementary sections; means ex-

tending transversely through said housing sections and tightly securing said housing sections together; a resilient diaphragm connecting said actuating member and said housing to form an airtight seal therebetween; a leaf spring in said housing comprising resiliently extensible outer strips, said outer strips being substantially sinusoidal in cross-section throughout the major portion of their length, opposed inner arms and end sections connecting said strips and arms; said actuating member having a portion disposed between the inner ends of said arms; said portion having slots for receiving said inner ends for pivotal support thereof and being wider between said inner ends than the space between said ends in the plane of the spring, whereby said inner arms are placed in compression and said outer strips are placed in tension; movable contacts on said end sections; said housing sections having

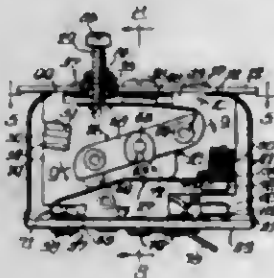


complementary recesses formed in the adjacent faces thereof and on either side of said actuating member and substantially in alignment with said movable contacts; fixed contacts mounted in said recesses; said movable contacts and said fixed contacts disengaging with a wiping action upon over-center movement of said leaf spring; each of said contacts having a long dimension in one direction and a relatively short dimension in a dimension 90° from said one dimension, each of said contacts carried by said end sections being disposed to contact its associated housing contact with its long dimension normal to the long dimension of said associated contact; said actuating member having a recess therein; and a coil spring mounted within the recess in said lower boss and within the recess in said actuating member for biasing said actuating member to non-actuating position.

2,629,792

MOTOR STARTING SWITCH

Grant D. Fitch, Chicago, Ill., assignor to Fitch, Allen & Company, Chicago, Ill., a copartnership
Application February 23, 1950, Serial No. 145,734
7 Claims. (Cl. 200—87)



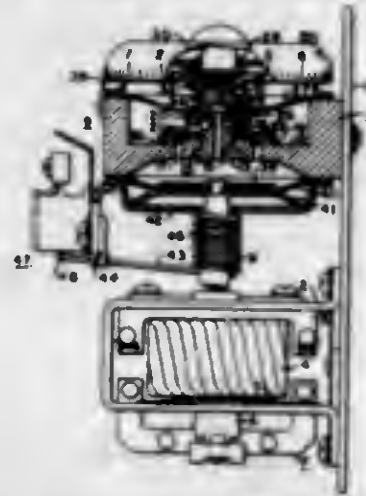
1. A motor starting control switch for successively energizing and deenergizing the starting windings of an electric motor, or the like, in response to the flow of electrical energy in the working windings of said motor, comprising, a housing, an electromagnet having separated,

transversely extending poles mounted within said housing, a rotatable armature mounted along-side said electromagnet and between said poles thereof, said armature being rotatably movable in response to electrical energization of said electromagnet, a resilient leaf spring member connected in cantilever fashion to one end of said armature so as to extend over the same for normally biasing said armature transversely of the magnetic field between said poles, and adjustable screw means capable of being adjustably operated from outside said housing and engageable with said leaf spring member, internally of said housing, for adjusting the resilient biasing force exerted on said armature by said leaf spring member whereby the magnetic field necessary to attract said armature from its normally biased position to a position lying wholly within said magnetic field is varied with adjusted changes of said spring's biasing force.

2,629,793

PNEUMATIC TIMING RELAY

John C. Ponstingl, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 19, 1949, Serial No. 73,561
8 Claims. (Cl. 200—97)



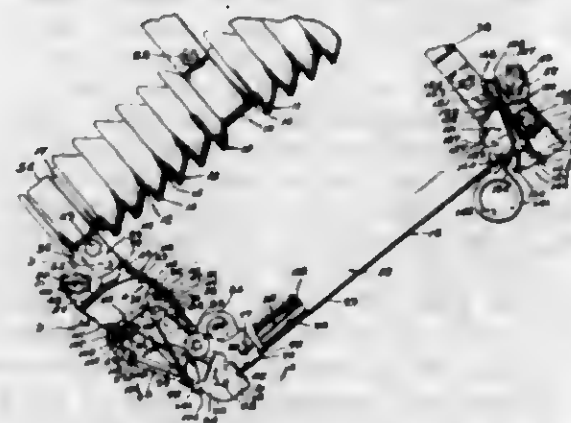
1. An automatic timing relay comprising, in combination, an actuating coil, an armature operable by said coil, a frame having a recess therein, a flexible diaphragm secured to the frame over the recess to form a closed chamber of variable volume as the diaphragm is moved toward and away from said recess, an actuating member secured to the diaphragm, said armature being disposed to operate said actuating member, means for biasing the armature to a position to give said chamber its maximum volume, the operation of the armature causing said chamber to be reduced to its minimum volume, a check valve and conduits therefor in the frame providing for free emission of the air in the chamber upon operation of the armature but to seal off the air flow into the chamber upon deenergization of said coil, an element in the frame wall having an outer end in the shape of a truncated cone, said element being provided with an axial opening placing the interior of the chamber in fluid communication with the outside, a stem on the frame mounted in axial alignment with the element, said stem being provided with a recess in the end adjacent to the element having the end shaped like a truncated cone, the shape of the recess matching the outer end of the element, the spacing between the walls and bottom end of the recess and outer end of the element having a selected value to thus control the flow of fluid from the outside into the

chamber to thus provide a definite time delay for the movement of the armature to its biased position.

2,629,794

FUSED DROP-OUT CUTOUT

David C. Hubbard and William L. Hollander, Centralia, Mo., assignors to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Original application July 26, 1948, Serial No. 40,756, now Patent No. 2,537,348, dated January 9, 1951. Divided and this application December 29, 1950, Serial No. 203,380
12 Claims. (Cl. 200—114)

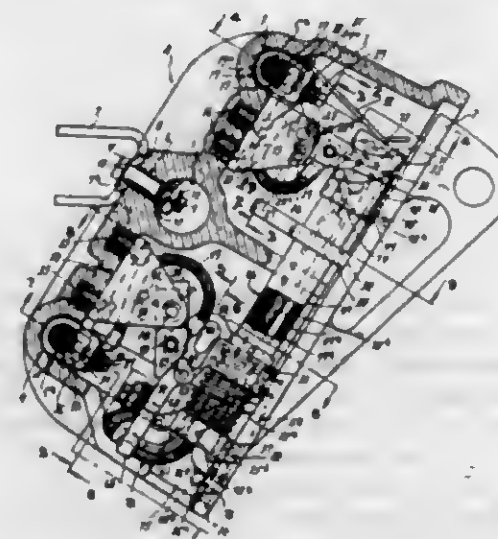


1. In a fuse tube unit, the combination of an insulating tube with a contact fixture, said contact fixture having a laterally projecting arm provided with a pair of flanges, a fuse throw-out lever pivotally mounted between said flanges, said flanges being provided at their lower ends with a pair of partial bearing formations to be supported on trunnions, and a hammer formation having a pointed end and located on each side of said throw-out lever for engaging below the partial bearings to lift the fuse unit off said trunnions when the throw-out lever rotates.

2,629,795

FUSE CUTOUT

Kenneth O. Hanks, Jr., St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application February 12, 1951, Serial No. 210,559
6 Claims. (Cl. 200—114)



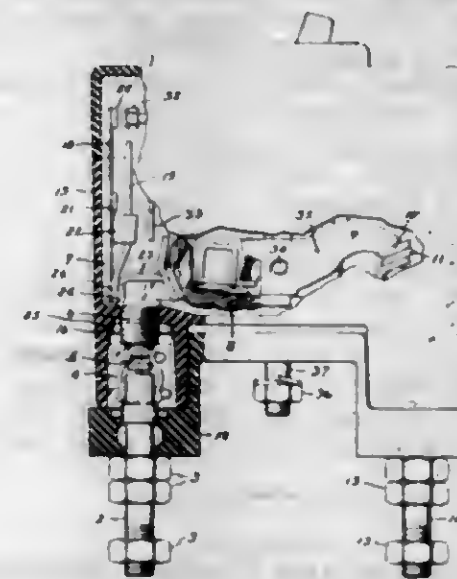
1. A fuse cutout comprising a housing, a door for said housing movably supported thereby, a fuse cartridge rigidly supported by said door and having latch elements extended from a portion thereof, a fuse link extended through said fuse

cartridge, means within said housing for latching said door in its closed position, said latching means comprising a pair of pivotally supported forwardly extended and independently movable contact elements which engage said latch elements of said fuse cartridge, said pivoted elements being formed of rigid material, and spring means for urging the forward portions of said contact elements downwardly, means supported for sliding movement by a portion of said fuse cartridge in response to force exerted thereagainst by a spring associated with said slidably supported means, and releasable means held in restraint by said fuse link for preventing movement of said slidably supported means in response to force exerted thereagainst by said spring, said releasable means being adapted on rupture of said fuse link to permit said slidably supported means to move downwardly so as to withdraw a portion of the ruptured fuse link from said fuse cartridge.

2,629,796

THERMAL TRIP MECHANISM FOR CIRCUIT BREAKERS

Ruth Kern, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application June 18, 1949, Serial No. 100,025
3 Claims. (Cl. 200—116)

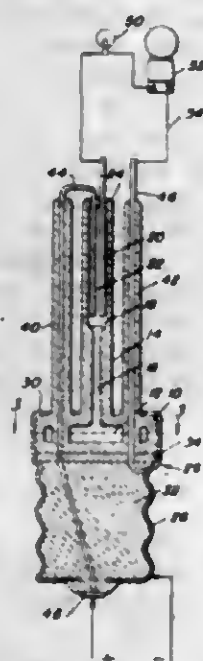


1. A circuit breaker trip unit having in combination a mounting plate provided with a single projecting terminal plug contact having threaded means for removably mounting the plug and plate on the circuit breaker, a pair of duplicate bi-metallic elements carried by the mounting plate in spaced apart parallel juxtaposition and having rigid resistor means for heating the elements and for mechanically interconnecting the elements in conducting relation with only one end of one element mounted upon and electrically connected with the mounting plate, a trip member carried by the free ends of the parallel bi-metallic elements, a flexible pigtail for connection with the circuit breaker and having a conducting terminal forming a mounting seat in offset alignment with the axis of the terminal plug contact and electrically and mechanically connected with the other end of the parallel bi-metallic element to effect deflection of the free ends of the bi-metallic elements in response to the heating effect of the current passing from the pigtail through the bimetallic elements and the resistor means to the terminal plug contact and thereby effect operation of the trip member in the tripping direction.

2,629,797

MERCURY SWITCH

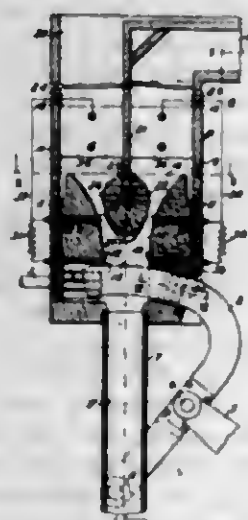
John C. Hardy, Childersburg, Ala.
Application October 18, 1951, Serial No. 251,939
4 Claims. (Cl. 200-141)



1. An alarm switch comprising a screw base, an insulating core in said base, a conducting shell on said base, a reservoir mounted in said shell, a pair of insulating tubes extending through said reservoir, a conductor extending through each of said tubes, a contact button on said core, one of said conductors connected to said button, the other of said conductors connected to said shell, an expansion tube connected with said reservoir, a pair of contact wires extending into said expansion tube, one of said first-mentioned conductors being connected to one of said contact wires, the other of said first-mentioned conductors and the other of said contact wires forming the output terminals of said switch, a filling of expansible conducting liquid in said reservoir.

2,629,798

CROSS AIR BLAST CIRCUIT BREAKER
Erwin Salzer, Brookline, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 30, 1948, Serial No. 57,577
11 Claims. (Cl. 200-148)



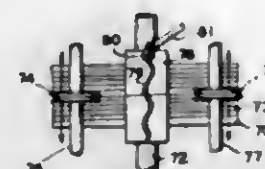
1. A gas blast circuit breaker for interrupting high currents in alternating current circuits com-

prising a pair of relatively movable contacts for drawing an arc therebetween upon separation thereof; a nozzle structure of insulating material arranged adjacent said contacts substantially transversely to the direction of contact separation; means for producing an arc-extinguishing blast of gas transversely across the gap formed upon separation of said contacts and axially through said nozzle structure; means defining a cooling chamber arranged downstream from said nozzle structure for receiving the blast escaping from said nozzle structure, the average cross sectional area of said cooling chamber being large compared to the average cross sectional area of said nozzle structure and the length of said cooling chamber being large compared to the length of said nozzle structure; an arc-restraining barrier of heat-resistant insulating material arranged transversely to the direction of contact separation and projecting from said cooling chamber into said nozzle structure; a pair of arc horns aligned in the direction of contact separation each arranged on opposite sides of said nozzle structure for causing rapid movement of said arc into said nozzle structure; a pair of probe electrodes each on an opposite side of said barrier downstream from the point thereof situated highest upstream; a pair of shunts each connecting one of said pair of contacts and one of said probe electrodes for eliminating the sections of the arc on opposite sides of said barrier relatively remote from the surfaces thereof while an arc section extending between said probe electrodes still persists, at least one of said pair of shunts being formed by a resistor for inserting resistance into the circuit under interruption prior to complete extinction of said arc, and means for insulating said probe electrodes from each other in such a way as to cause the path of least resistance of any arc section formed between said pair of probe electrodes to extend transversely across the upstream end of said barrier.

2,629,799

ADJUSTABLE RESISTANCE DEVICE

Donald F. Hastings, Suffern, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application March 30, 1951, Serial No. 218,431
16 Claims. (Cl. 201-59)

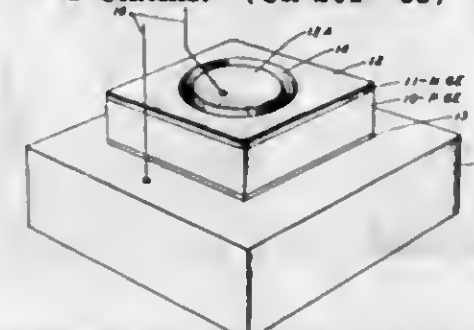


1. A device for preselecting the resistance to be inserted into an electrical circuit, comprising a resistor element having non-linear resistance characteristics, resistance selecting means for displacing said element along a predetermined path so as to select the value of resistance to be inserted into said circuit, and contact means adapted for connection with said electrical circuit for engaging said resistor element as it is displaced in said predetermined path, said contact means being calibrated in accordance with the non-linear characteristics of said resistor element for compensating for non-linear changes in the resistance so that a linear change in resistance will be effected in said electrical circuit.

2,629,800

SEMICONDUCTOR SIGNAL TRANSLATING DEVICE

Gerald L. Pearson, Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1950, Serial No. 156,188
4 Claims. (Cl. 201-63)

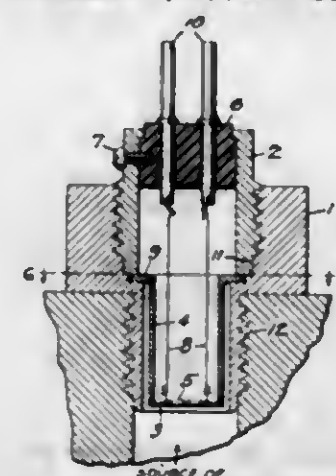


1. An asymmetric electrical translating device comprising a body of P conductivity type germanium having on one surface thereof an integral skin of N conductivity type germanium of the order of 0.002 inch thick, a large area ohmic connection to said body, and an ohmic connection to the outer face of said skin and substantially coextensive therewith.

2,629,801

MOUNTING

DEVICE FOR PRESSURE RESPONSIVE
Howard D. Warshaw, Drexel Hill, Pa., assignor to the United States of America, as represented by the Secretary of the Army
Application August 1, 1950, Serial No. 177,036
1 Claim. (Cl. 201-63)



A pressure responsive device comprising a fitting having a hollow exteriorly threaded boss and an interiorly threaded body portion, an exteriorly threaded bushing adapted for engagement with said body portion and having a sleeve at one end thereof, a hollow cylinder of smaller diameter than the inside diameter of said boss having a turned out flange at one end and a diaphragm closing the other end, wires bonded to said diaphragm and having leads therefrom, a plug member within a portion of said bushing and electrically connected to said leads, said cylinder disposed within said boss and securely retained therein by clamping engagement between said sleeve and said flange.

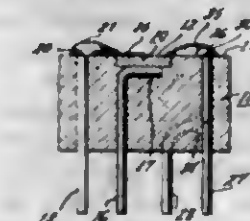
2,629,802

PHOTOCELL AMPLIFIER CONSTRUCTION

Jacques I. Pantchevnikoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 7, 1951, Serial No. 260,443
11 Claims. (Cl. 201-63)

1. An integral semi-conductor photoresponsive and amplifier device comprising a semi-conduct-

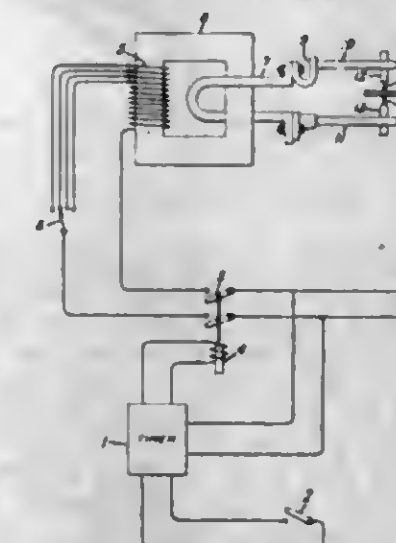
ing body, insulating means for embedding said body with at least one surface exposed, a light transmitting metallic film extending over and contacting a portion of said exposed surface, means providing a first, a second and a third conductor, a first coating layer for said insulating means interconnecting said film with said first conductor, a second coating layer for said in-



2,629,803

TITANIUM ELECTRODE

Ralph J. Bondley, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 30, 1949, Serial No. 136,049
1 Claim. (Cl. 219-4)



Electric resistance brazing apparatus comprising a current conducting pressure exerting electrode having a work engaging face of pure titanium whereby at brazing temperatures an oxide coating is formed thereon which not only prevents it from sticking to the work, or the solder or flux used in brazing, but also prevents it from wasting away due to the action of brazing fluxes or oxidation by the surrounding atmosphere, means for bringing the face of said electrode into and out of engagement with a work part, and means for supplying electric current to the work part through said electrode.

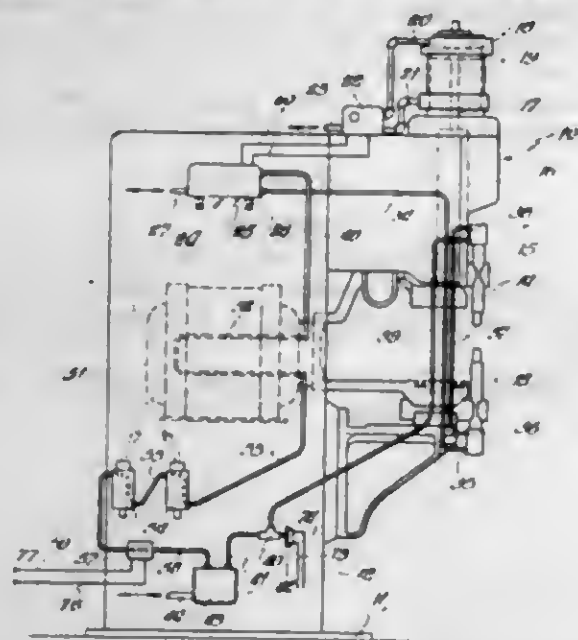
2,629,804

WATER COOLING AND SAVING ARRANGEMENT FOR ELECTRICAL WELDERS

Fred A. Van Vooren, Moline, Ill.
Application May 26, 1951, Serial No. 228,494
14 Claims. (Cl. 219-4)

1. In a welding machine having a transformer, ignitron contactors and welding electrodes; a cooling system including a first cooling conduit

extending to said transformer and to the ignitron contactors, a first discharge line in communication with the first cooling conduit, a first discharge connection in communication with said first discharge line, a first thermostat switch positioned in connection with the first discharge line and the first discharge connection, a second cooling conduit extending to said welding electrodes for cooling the same, a second discharge line in communication with said second cooling conduit, a second discharge connection in communication with said second discharge line, a second thermostat switch positioned in connection with the second discharge line and the second cooling conduit, a fluid distributing unit including an inlet connection adapted to connect to a source of fluid under pressure, an inlet conduit connecting said inlet connection with said second cooling conduit, an electrically controlled valve for regulating the flow of fluid through said supply conduit, a by-pass branch in communication with



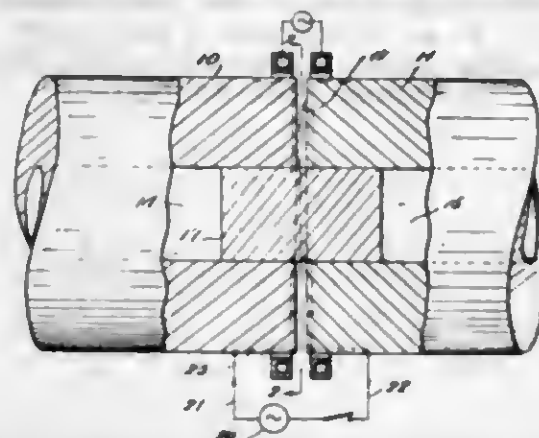
the inlet connection, said by-pass branch including a by-pass line of smaller diameter cross-section than said supply conduit, the by-pass line communicating with the first cooling conduit, a branch conduit connected to said inlet connection and said by-pass line, said branch conduit including a one-way check valve permitting fluid to flow toward the first cooling conduit during the open position of said electrically controlled valve, a first electrical circuit connected to said welder and to said first thermostat switch, said first electrical circuit being adapted to connect to a source of electrical current whereby the circuit to the welder may be broken by the first thermostat switch during a predetermined temperature in said first discharge line, a second circuit connecting the second thermostat switch and the electrically controlled valve, said valve being opened during a predetermined temperature in said second discharge line, and means for actuating said electrically controlled valve independently of said second circuit.

2,629,805

METHOD AND MEANS FOR BUTT WELDING
Alfred C. Body, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application February 28, 1950, Serial No. 146,887
14 Claims. (Cl. 219-10)

13. The method of heating a pair of generally cylindrical surfaces on metallic members preparatory to butt welding same comprising placing the surfaces in slightly-spaced opposed rela-

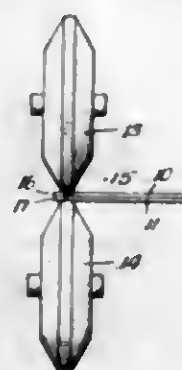
tionship, providing an electrical interconnection between said surfaces centrally thereof and flowing high-frequency electric currents radially over said surfaces while simultaneously flow-



ing high-frequency electric currents circumferentially around the edges of said surfaces and then moving said surfaces into pressure-abutting relationship when they have reached the desired welding temperature.

2,629,806 WELDING METHOD AND ARTICLE PRODUCED THEREBY

Carl G. Anderson, Elgin, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application October 23, 1944, Serial No. 559,918
9 Claims. (Cl. 219-10)



1. The method of welding which comprises providing a pair of sheet metal work pieces having a thickness less than .01 inch, and edge welding said work pieces along a predetermined margin thereof by means of a plurality of sequential continuous seam welding operations forming a weld having a thickness substantially no greater than the thickness of the parent stock.

2,629,807 COATING

Philip Godley, 2nd, Lexington, and Philip J. Clough, Reading, Mass., assignors to National Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 6, 1950, Serial No. 154,306
7 Claims. (Cl. 219-19)

6. Apparatus for forming a zinc-free stripe on a web of zinc-coated, nonconducting sheet material by removing a band of said zinc coating, said apparatus comprising means for advancing the web, an electrical contact positioned to engage the zinc face of the web, a plurality of electrodes successively positionable adjacent said zinc coating, each said electrode having a width, extending across the advancing web, which is on the order of the thickness desired for the

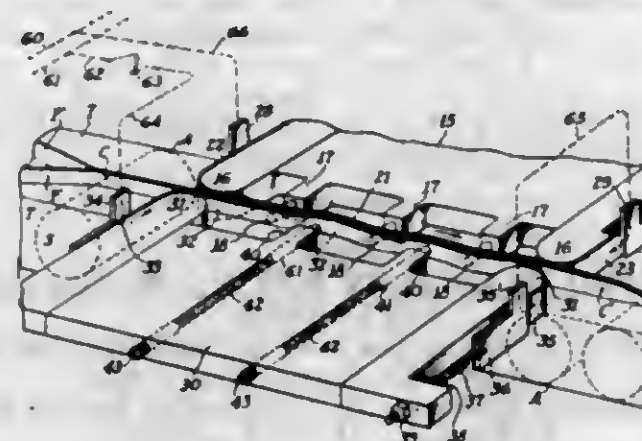
zinc-free stripe, each said electrode comprising a surface stratum of chromium, means for moving said electrodes successively into and out of engagement with said web, means for maintaining a sufficient potential difference between one of said electrodes in contact with the web and the zinc face of the web to create an arc between said zinc coating and said electrode, said



last-named means being arranged to remove said potential difference prior to movement of said electrode out of engagement with said web, means for applying a thin film of a low viscosity oil to each electrode prior to contact of said zinc coating by said electrode, and means for removing from each said electrode zinc evaporated by the arc which condenses on the electrode.

2,629,808 APPARATUS FOR SEALING WRAPPING MATERIAL

Lawrence A. Ulmschneider, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 15, 1950, Serial No. 195,784
6 Claims. (Cl. 219-19)



1. Apparatus for sealing areas of wrapping material comprising a support having a heat and pressure sensitive plastic on one side, said apparatus including a pair of elongated heating elements, means for heating said elements to a predetermined degree, a series of locating devices for the pair of heating elements to hold them toward each other and with the heating elements lying in a serpentine path, and means for moving two layers of the wrapping material with the heat and pressure sensitive layers in contact relative to the heating elements to unite the two layers of wrapping material over the heated areas.

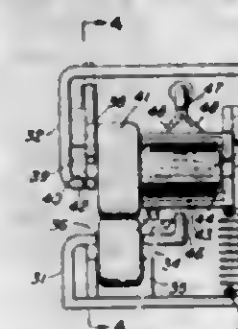
2,629,809 SEALING DEVICE FOR PLASTIC SHEET MATERIAL

Jack Fryc, Sedona, Ariz.
Application November 24, 1947, Serial No. 787,802
7 Claims. (Cl. 219-19)

1. A heat sealing device comprising in combination, a housing having upper and lower sections and intermediate said sections a reentrant

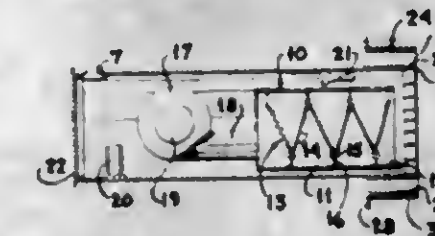
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portion having a top and bottom, a rotary disk support for the material to be sealed in said bottom, said top being provided with a slit, a member mounted in said top and movable in said slit, means in said lower section for normally



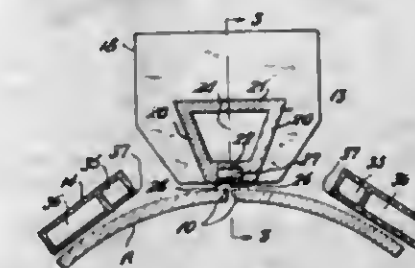
maintaining said movable member in contact with said rotary support, means attached to said movable member and operable to disengage said movable member from said support, and means for electrically heating said movable member.

2,629,810
PORTABLE CLOTHES DRIER
Harry G. Dittlow, Philadelphia, Pa.
Application July 28, 1950, Serial No. 176,264
9 Claims. (Cl. 219-39)



1. In an article drier adapted to be inserted in an opening in an article washing machine which opening is in communication with the articles contained in said machine, an open ended casing, a heating unit positioned within said casing adjacent to and spaced from one of the open ends of said casing, a blower positioned within said casing adjacent to and spaced from the other open end thereof, said blower being adapted to draw incoming air from an opening in the side of said casing and force it over the heating unit in said casing and into said opening in said machine, and means positioned within said casing adjacent said other open end thereof and operatively connected to said blower for driving the latter.

2,629,811
**APPARATUS FOR PRESSURE WELDING OF
SEAMS OR EDGES**
John F. Cachat, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application February 15, 1950, Serial No. 144,210
3 Claims. (Cl. 219-47)



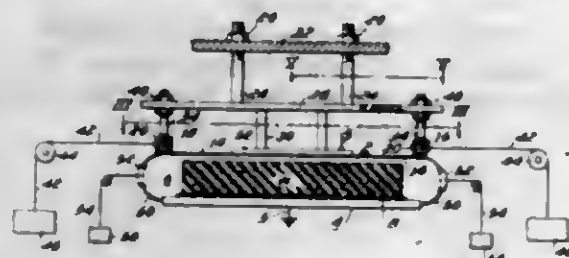
3. A high-frequency inductor for heating the close-spaced parallel edges of a generally C-

shaped metallic strip comprising three spaced parallel conductors including a central or main conductor and two side conductors, said main conductor having a workpiece-adjacent surface adapted to be in closed-spaced parallel relationship with said edges, said main workpiece-adjacent surface having a plurality of heating passages parallel to said conductor through which a gas may be projected onto said edges, said side conductors having in their main conductor-adjacent side a plurality of openings communicating with a passage parallel to said conductor through which gas may be projected onto the sides of said strip in a direction towards said edges.

2,629,812

ADJUSTABLE DIELECTRIC HEATING EQUIPMENT

Richard H. Hagopian, Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1947, Serial No. 775,292
20 Claims. (Cl. 219-47)

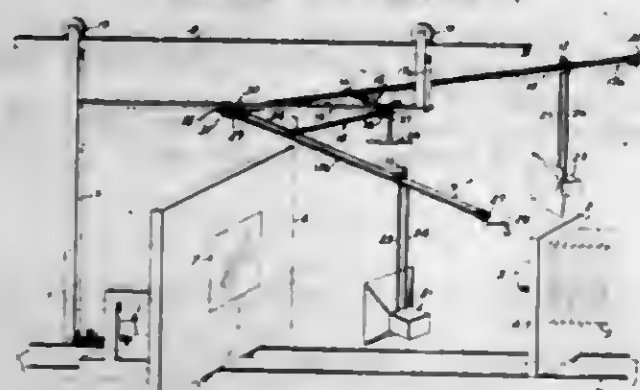


1. A dielectric heating means for heating different materials, comprising, in combination, a pair of spaced relatively insulated heating-electrodes, said heating-electrodes having substantially parallel and facing planar surfaces adapted to terminate an electric field, the said surface of a first of said heating-electrodes being smooth and unbroken throughout with an exposed area that faces the other of said heating-electrodes, said exposed area being adjustable respecting its physical dimensions, a conveyor device for carrying material in a predetermined direction between said heating-electrodes, the first said heating-electrode comprising a single and undivided member having a movable portion which is adjustable relative to the rest of the first heating-electrode for increasing and decreasing the size of its said surface.

2,629,813

ADJUSTABLE LAMP CARRIER

David M. Murphy, Mason City, Iowa
Application February 4, 1948, Serial No. 6,203
10 Claims. (Cl. 240-1.3)



3. In a lamp carrier for use with a process camera having a copyboard and a pair of lamps for directing light rays onto said copyboard, means for supporting said lamps to cause their rays to be directed at the same angle from each

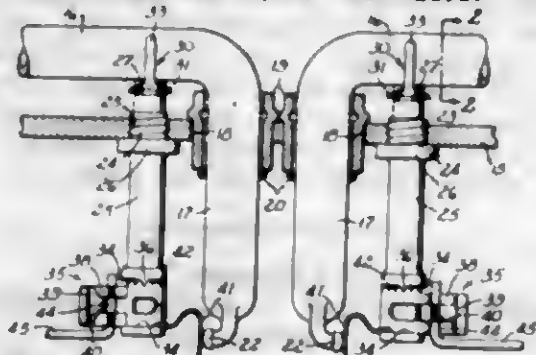
lamp on said copyboard, means actuated by a single operating member from a single position for simultaneously adjusting the spaced relation of both lamps to said copyboard without altering the angles of incidence of the light rays on the copyboard, and means for simultaneously and equally adjusting the angles of incidence of the rays of said lamps on the copyboard while maintaining the spaced relation of said lamps and the center of the copyboard and the incidence of said rays on said copyboard.

2,629,814

LUMINESCENT TUBE SUPPORT FOR SIGN STRUCTURES AND THE LIKE

Ralph Brown, Fall Brook, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California

Application May 24, 1948, Serial No. 28,762
11 Claims. (Cl. 240-11.4)

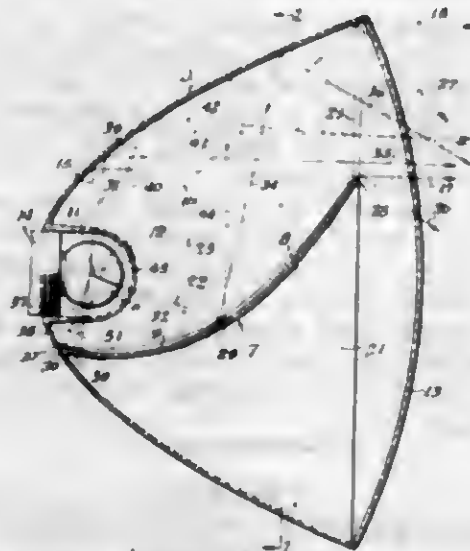


4. In an illuminated sign having a wall provided with an aperture and a luminescent tube mounted at one side of the wall and having an end projecting through the aperture, said end being provided with an electrode tip; a supporting member secured to the wall and projecting from the other side thereof, said supporting member having a peripheral groove adjacent its end; and a contact element disposed in said groove and provided with a resilient contact finger engageable with said electrode tip.

2,629,815

SEALED HEADLIGHT HAVING AUXILIARY REFLECTOR

James L. Grupen, San Gabriel, and Stanley M. Wheeler, San Bernardino, Calif.
Application February 12, 1947, Serial No. 728,000
12 Claims. (Cl. 240-41.35)



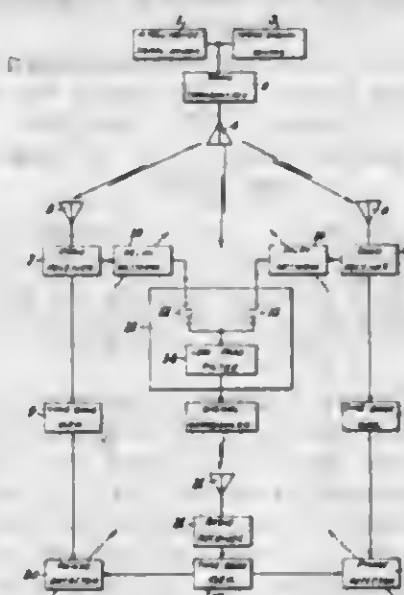
1. A primary parabolic reflector having a circular cross section, a light source at the focal point thereof to project a reflected beam of parallel rays, and a series of secondary parabolic reflector elements positioned within the primary reflector below and spaced from the uppermost

portion thereof and in front of the light source, each secondary reflector element having the light source as its focal point and arranged as a continuous reflector substantially longitudinally co-extensive with the primary parabolic reflector to receive light from said light source and to reflect the same toward said primary parabolic reflector for projection thereby outwardly and downwardly, said continuous secondary reflector starting at a point below the light source and terminating at a point above the same.

2,629,816

DIVERSITY SYSTEM

Guy Julien Rabuteau, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 18, 1948, Serial No. 15,123
7 Claims. (Cl. 250-6)



1. An arrangement for radio reception by space diversity, comprising a plurality of separate radio receivers spatially separated for diversity reception of the same transmission which includes a regularly recurrent timing component, a time base signal generator connected to one radio receiver to produce a first time base signal controlled by the timing component appearing in the output of said one receiver, another time base signal generator connected to another radio receiver to produce a second time base signal controlled by the timing component appearing in the output of said other radio receiver, means local to said receivers to produce a standard timing signal of the same frequency as said component, means to produce control voltages corresponding to the phase difference between said standard timing signal and said time base signals, and means responsive to said control voltages to bring the intelligence signals in all the channels into time synchronism with each other.

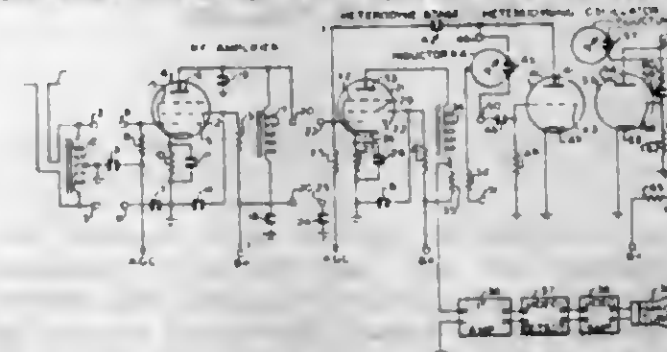
2,629,817

SUPERHETERODYNE RECEIVING SYSTEM

Albert Cotsworth, III, Oak Park, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application October 23, 1948, Serial No. 58,161
4 Claims. (Cl. 250-20)

1. A receiver for utilizing wave signals within a wide frequency range including: an input circuit having output terminals; a heterodyne stage having input terminals and including an output circuit for producing an intermediate-frequency signal of a certain frequency; a utilizing device coupled to said output circuit for utilizing said

intermediate-frequency signal; an oscillator tunable over a range of operating frequencies, for supplying a heterodyning signal to said heterodyne stage, including an electron-discharge device and a resonant circuit, comprised of principal inductive and capacitive reactive impedances through which the major portion of the oscillatory current of said oscillator circulates, permanently connected to said discharge device and tuning said oscillator to a predetermined frequency within its range and having a pair of terminals connected to the junctions of said principal tuning impedances; a tuning strip supported for selective movement from an inoperative to an operative position with respect to

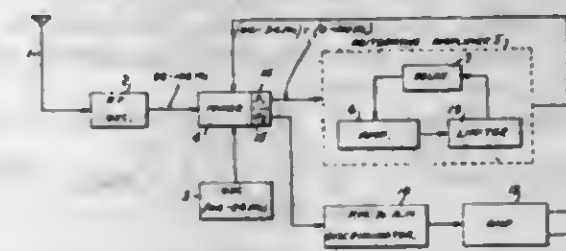


said input circuit, said heterodyne stage and said oscillator; a frequency-selective circuit carried by said strip having input and output terminals for engaging said terminals of said input circuit and said heterodyne stage respectively when said strip is in said operative position to tune said receiver to a particular frequency in said range; and an auxiliary tuning reactive impedance carried by said strip having a pair of terminals for engaging said terminals of said oscillator when said strip is in said operative position to modify the operating frequency of said oscillator to produce said intermediate-frequency signal in the presence of a received signal of said particular frequency.

2,629,818

HIGH SELECTIVITY RECEIVER

Robert S. Bailey, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 17, 1949, Serial No. 81,871
4 Claims. (Cl. 250-20)



1. An arrangement for translating pulse signals of a given duration and time spacing and comprising waves of a given carrier frequency containing modulation components, comprising a source of local waves of a frequency half the frequency of said carrier waves, a mixer circuit for completely mixing said local waves and signal waves to produce an intermediate frequency wave containing said modulation components, a reiterative amplifier for reiteratively amplifying said intermediate frequency waves at a rate higher than the frequency of said modulation components comprising an amplifying device, a feedback circuit coupling the output of said amplifying device to its input, a delay device in said feedback circuit for delaying the energy fed back, and a biasing device coupled to said amplifying

device for blocking it after a predetermined number of reiterations, means for applying the output of said amplifier for further mixing with said local waves to produce said modulation components, and a discriminator for said modulation components coupled to said mixer circuit for obtaining said modulation components.

2,628,819

LOAD COMPENSATING NETWORK

Robert B. Dome and Raymond F. Foster, Syracuse, N. Y., assignors to General Electric Company, a corporation of New York
Application September 17, 1949, Serial No. 116,312
5 Claims. (Cl. 250-20)

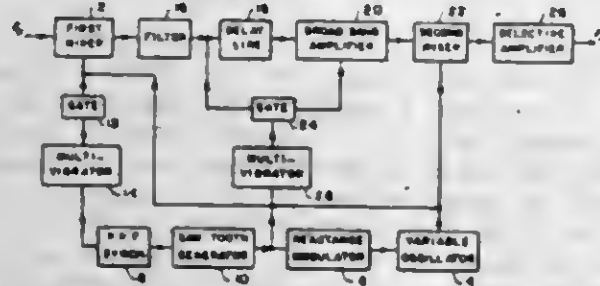


1. In a modulated carrier wave receiver, the combination of an intermediate frequency amplifier having an inductive anode load impedance connected in circuit therewith, means for supplying an intermediate frequency signal to said amplifier, a rectifier circuit having a resistance falling within a predetermined relatively wide range of resistance values, and means for coupling said rectifier circuit to said anode load impedance so as to detect the modulated components of said intermediate frequency signal comprising, a capacitor connected in series with said rectifier circuit, the series combination thus formed being connected across said load impedance, said combination having a value of effective series capacitive reactance at said intermediate frequency which is substantially equal to the mean value of said rectifier circuit resistance and which resonates with said anode load impedance at said intermediate frequency, whereby rectifier circuits having resistances varying over said wide range of values may be utilized without substantially changing the bandwidth of the network including said anode load impedance, said capacitor and said rectifier circuit.

2,629,820

RECIRCULATING DELAY SYSTEM

James Snyder, Belmar, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application August 25, 1950, Serial No. 181,540
9 Claims. (Cl. 250-20)
(Granted under Title 35, U. S. Code (1952), sec. 266)



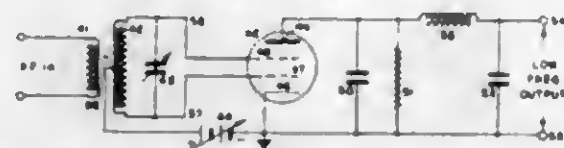
4. An apparatus for delaying radio frequency signals a predetermined time interval comprising a first mixer to which said signals are applied, a second mixer, an oscillator for generating a heterodyning frequency and having its output coupled simultaneously to said first and second mixers, means for periodically varying said heterodyning frequency through a predetermined range whereby said heterodyning frequency is

combined with the radio frequency signals applied to said first mixer to produce a first beat frequency signal, a delay line interconnecting said first and second mixer whereby said beat frequency signal is delayed by an amount equal to $1/N$ of said time interval, before being applied to said second mixer, N being an integer, said heterodyne frequency combining with the delayed first beat frequency signal in said second mixer to produce a second beat frequency signal, means for circulating the delayed first beat frequency signal through said delay line in the same direction at least N times, and means coupled to the output of said second mixer for utilizing only those second beat frequency signals having a frequency equal to the frequency of said radio frequency signals.

2,629,821

HIGH-FREQUENCY SIGNAL TRANSLATION CIRCUIT

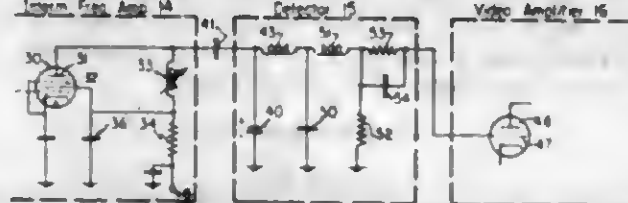
La Verne R. Philpott, Washington, D. C.
Application June 7, 1945, Serial No. 598,182
11 Claims. (Cl. 250-20)
(Granted under Title 35, U. S. Code (1952), sec. 266)



7. A non-linear transmission circuit comprising an electron tube having at least anode, cathode, and three grid electrodes, an output load circuit conductively connecting said cathode and anode electrodes to establish equal quiescent potentials at said cathode and anode, a high frequency signal source, an input circuit coupling said signal source to the two grids more remote from said cathode, said signals being coupled to the grids in phase opposition, a biasing means connected between said grids and said cathode applying a small positive potential to each grid to produce a low average electron velocity, and means for adjusting the potential of said biasing means to obtain an electron transit time between adjacent grids equal to a half period of said signal.

2,629,822

HIGH-FREQUENCY COUPLING CIRCUITS
George W. Fyler, Lombard, and Arthur Goldsmith, Chicago, Ill., assignors to Motorola, Inc., a corporation of Illinois
Application January 31, 1947, Serial No. 725,662
2 Claims. (Cl. 250-20)



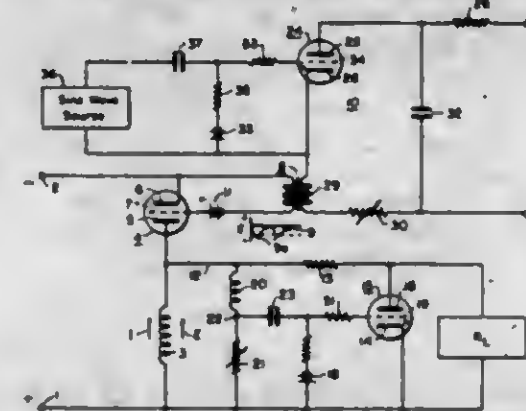
1. In a television receiving system for reproducing an image from a video signal including a wide band of frequencies modulated on a carrier wave, the combination including, an amplifier stage for amplifying signals within a predetermined band of frequencies, said amplifier stage including an electron discharge valve having at least a cathode, a control grid, a screen grid, and a plate, and an output circuit including tuning means connected to said plate of said electron discharge valve to tune said stage, with the bandwidth of said stage varying with the

load impedance connected thereto, detector means including, a pair of input electrodes and a load impedance, impedance matching condenser means directly connected between the plate of said amplifier stage and one of said input electrodes and forming a series circuit with said plate and said input electrodes, said condenser means being independent of said tuning means and with said input electrodes forming the load impedance of said stage, said condenser means having a small value of capacitance and providing with said input electrodes a load impedance such that said amplifier stage has high response over said predetermined band of frequencies, and connecting means providing a low impedance to high frequency currents interconnecting said screen grid of said electron discharge valve to the other one of said input electrodes of said detector means, so that a low impedance path for electric currents developed in said detector means during detection is provided through said condenser means, the screen grid to plate path of said valve and said connecting means.

2,629,823

PULSE GENERATOR

Paul E. Grandmont, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1949, Serial No. 91,929
8 Claims. (Cl. 250-27)



1. A pulse generator comprising in combination, a vacuum tube having a cathode and an anode, a source of direct current voltage, an inductor connected in series with said anode and cathode across said source of direct current voltage, means normally maintaining said vacuum tube conductive to provide current flow in said inductor, means for periodically blocking said vacuum tube to form the leading edge of a pulse, a load circuit connected in series with said inductor, a normally blocked electronic valve shunted across said load circuit, and means for rendering said electronic valve conductive at a predetermined time interval after blocking of said vacuum tube to form the trailing edge of said pulse.

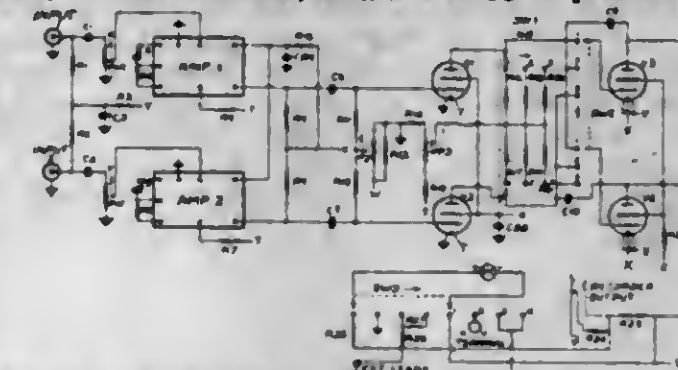
2,629,824

RADIATION MEASURING DEVICE

Robert Gordon MacKay and George Harrison McLaughlin, Toronto, Ontario, Canada, assignors to Sherritt Gordon Mines Limited, Toronto, Ontario, Canada, a corporation of Ontario
Application December 6, 1949, Serial No. 131,316
2 Claims. (Cl. 250-27)

1. A coincidence pulse indicating circuit comprising a pair of pulse input circuits, a pair of balanced integrating circuits one for each input circuit, each integrating circuit comprising a normally conducting output tetrode tube having an anode, cathode, control grid and screen grid,

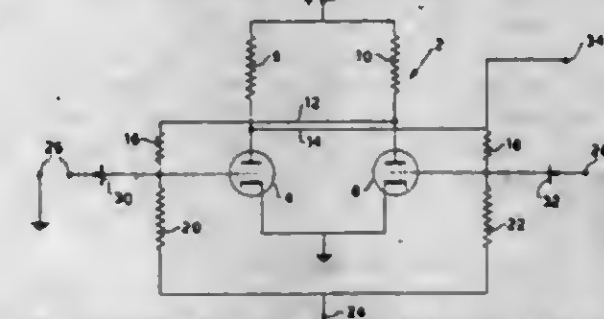
each tetrode having its control grid connected with its respective integrating circuit to vary the conductivity of the tetrode upon receipt of a pulse, a common output circuit for said tetrodes, an indicating device connected in the common output circuit to respond to the sum of the outputs of the tetrodes, and a source of positive potential connected through a common potential-dropping resistance to both the screen grids in common, whereby receipt of an impulse by one integrating circuit will vary the conductivity of its respective tetrode and effect a variation in the potential of the screen grid of the other tetrode to vary its conductivity in the opposite sense to that of the first tetrode.



2,629,825

FLIP-FLOP CIRCUIT

John Presper Eckert, Jr., and Herbert Frazer Welsh, Philadelphia, Pa., assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application May 27, 1948, Serial No. 29,434. Divided and this application June 28, 1950, Serial No. 170,858
2 Claims. (Cl. 250-27)



1. In combination, a first electric valve having control and output electrodes, a second electric valve having control and output electrodes, a coupling member linking a control electrode of said first valve with an output electrode of said second valve, a coupling member linking a control electrode of said second valve and an output electrode of said first valve, a first separate signal line connected with one of the electrodes of said first valve through a first unilateral conductor, and a second separate signal line connected with one of the electrodes of said second valve through a second unilateral conductor, whereby signals on one of the signal lines will have no effect on the other of the signal lines.

2,629,826

CONTROLLER FOR LIQUID LEVEL OR THE LIKE

Douglas K. McIlvaine, Des Plaines, Ill., and William P. Myers, Jr., Webster Groves, Mo., assignors to Alco Valve Company, University City, Mo., a corporation of Missouri
Application November 12, 1946, Serial No. 709,134
12 Claims. (Cl. 250-27)

1. A control mechanism including an electronic tube having a cathode, grid means, and a plate,

means interconnecting the cathode and the grid externally of the tube, circuit means for applying an operating potential across the cathode and plate, a sensitive element adapted to produce a varying potential drop in response to variations in a predetermined physical condition, alternating potential producing means, a circuit having the sensitive element therein and having a resistance therein, the circuit being connected across the potential producing means, a circuit across the resistance including a rectifier and a second resistance, means connecting the second resistance between the grid means and cathode, an additional circuit across the potential



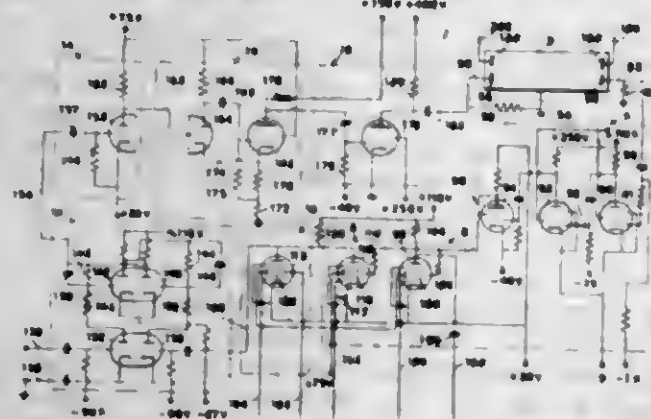
producing means, including a rectifier and a third resistance in series, means connecting variable amounts of said third resistance between the grid means and the cathode to apply a potential to the grid means of polarity opposite to that derived from the second resistance, whereby, when the grid potential derived from the third resistance is varied, the potential derived from the second resistance must be varied to attain a given net grid potential, capable of causing the tube to conduct, and means operated when the tube becomes conductive, to vary the potential applied between the grid means and the cathode.

2,629,827

MEMORY SYSTEM

John Presper Eckert, Jr., and John W. Mauchly, Philadelphia, Pa., assignors, by mesne assignments, to Eckert-Mauchly Computer Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application October 31, 1947, Serial No. 783,328
36 Claims. (Cl. 250-27)



1. In combination, a delay device having an input and an output and arranged to deliver through the output, after a predetermined delay interval, signals entering the input, and electrical devices joining the output and the input to rein-

troduce through the input signals emitted from the output to provide recirculation of a predetermined pattern of signals through the delay device, said delay device comprising a cyclically moving carrier on which said signals are sequentially impressed.

2,629,828

SCANNING DEVICE

Willoughby M. Cady, Cambridge, and David B. Nicholson, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application March 5, 1946, Serial No. 652,199
9 Claims. (Cl. 250-33.65)



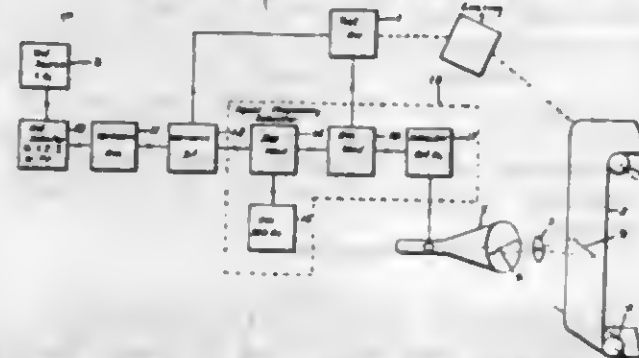
1. A mechanical structure for tilt control of moving antennas including, two electromagnetically controlled ratchets, driving means, a shaft of rotation actuated by said driving means, an antenna turntable mounted on said shaft of rotation, an antenna reflector mounted on said turntable, a first gear freely mounted on said shaft of rotation and which may be locked against rotation with said shaft by said ratchets, a second gear mounted on said turntable and engaging said first gear, a mechanical linkage connecting said second gear and said antenna reflector, wherein said structure utilizes the power source of azimuth movement of said antenna turntable to yield tilt motion of said reflector upon locking of said first gear against rotation.

2,629,829

METHOD OF CALIBRATING ELECTRIC OSCILLATION GENERATORS

Charles Trevor Daly, London, England, assignor to International Standard Electric Corporation, New York, N. Y.

Application October 22, 1946, Serial No. 704,957
In Great Britain August 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 3, 1965
6 Claims. (Cl. 250-36)



3. A calibration system for a source of variable frequency waves comprising a source of variable frequency waves, a source of a plurality of calibrated frequency waves, means for selecting a calibrated wave of a given frequency, a source of fixed frequency waves, balanced modulator means for modulating said fixed frequency waves with said selected calibrated frequency wave to obtain side band components, a second balanced modulator for modulating said side band components with said variable frequency waves to obtain a

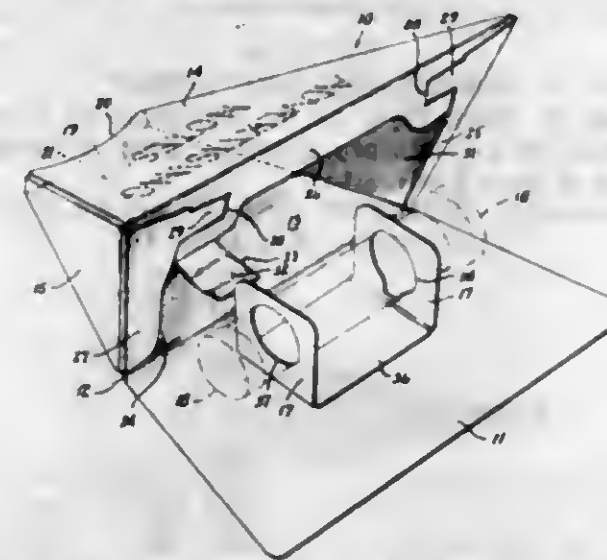
modulated output indicator means, means for selecting energy of the same frequency as said fixed frequency from said modulated output means, for applying said selected energy to said indicator means and means for adjusting the frequency of said variable frequency wave source to obtain a given indication on said indicator means.

2,629,830

MERCHANDISING DISPLAY FOR LUMINOUS COATED FLASHLIGHTS AND THE LIKE

James C. Calhoun, New Haven, and Wilbur L. Davidson, Canterbury, Conn., and Karl J. Hansen, Forest Hills, N. Y., assignors to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware

Application May 28, 1948, Serial No. 29,884
6 Claims. (Cl. 250-78)



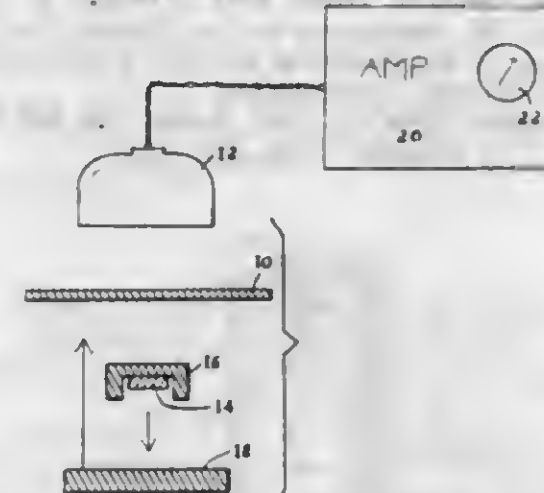
1. In a display device to aid in selling a luminescent article of merchandise, a structure comprising a truncated, pyramidal, four-sided body converging to an eye opening at its smaller end and having a wall hinged to its larger end, holding means on said wall for said article, said wall and body being relatively movable from an open position, in which said article is exposed to light, to a closed position in which said article is in a dark room within said body.

2,629,831

RADIATION SOFTENING

Dana W. Atchley, Jr., Lexington, Mass., assignor to Tracerlab, Inc., Boston, Mass., a corporation of Massachusetts

Application September 26, 1950, Serial No. 186,738
8 Claims. (Cl. 250-83.6)



1. In a device of the thickness gauge type in which the thickness of a material is measured by its absorption of radiations from a radioactive source, a shield arranged to be interposed

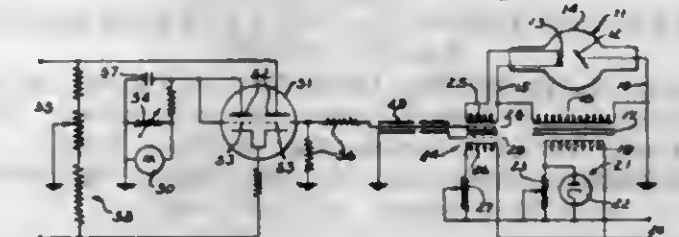
between said source and said material to prevent direct radiations therefrom from reaching said material, a reflector facing said source and said material and adapted to return by reflection and backscattering a portion of said radiations past said shield to strike said material, the characteristics of said reflector being so chosen that the returned radiation will have a predetermined average energy level lower than that of direct radiations from said source, such level being determined by the absorption characteristics of said material the thickness of which is to be measured, and a detector arranged on the side of said material away from said source and shielded therefrom by said shield to detect and measure the intensity of the said returned radiations not absorbed by said material.

2,629,832

VOLTAGE MEASUREMENT

Carl Woodrow Hansen and Richard Boughton Gustafson, Milwaukee, Wis., assignors to General Electric Company, a corporation of New York

Application June 28, 1950, Serial No. 170,888
9 Claims. (Cl. 250-102)



1. A voltage measuring system for measuring the anode-cathode voltage in an electron flow device, comprising the combination, with the cathode energizing transformer of the flow device, of a pair of electrodes insulated the one from the other and from the windings of the transformer, and disposed in electrostatic relation with each other and with the cathode energizing winding of the transformer, whereby to form an electrostatic voltage divider in which the induced voltage, between said electrodes, is a proportional function of the anode-cathode voltage to be measured, when one of said electrodes and said cathode energizing winding are electrically connected respectively with the anode and cathode of the flow device, an indicating meter and signal translating means interconnecting said meter with said plates for indicating the voltage therebetween in terms of anode-cathode voltage in the flow device, said translating means comprising a cathode follower system including an electron valve having a control grid, means to energize said cathode follower system from a suitable power source and to load said meter on said valve, and means comprising a voltage divider network, connected with said control grid, and a length of coaxial cable connected with the said electrostatic plates and with said net to apply a meter actuating signal on said translating means in proportion to the induced voltage on said electrodes.

2,629,833

TRANSISTOR TRIGGER CIRCUITS

Robert L. Trent, Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 28, 1951, Serial No. 223,523
28 Claims. (Cl. 307-88)

27. A trigger circuit comprising a transistor having an emitter electrode, a collector electrode and a base electrode, a first circuit including said

emitter and base electrodes, a second circuit including said collector and base electrodes, means in the common branch of said first and second circuits to give said transistor negative resistance properties over a portion of its operating range, said negative resistance portion being bounded on either side by a higher current positive resistance region and a lower current positive resistance region, respectively, a load circuit

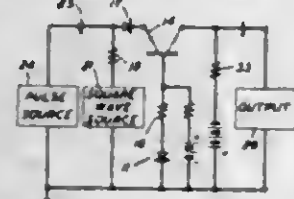


connected to one of said first and second circuits, and means comprising a first asymmetrically conducting device connected in the other of said first and second circuits to limit the current in said other circuit when said transistor is operating in its higher current positive resistance region, and means to further limit the current in said other circuit comprising a second asymmetrically conducting device connected in series with said base electrode.

2,629,834

GATE AND TRIGGER CIRCUITS EMPLOYING TRANSISTORS

Robert L. Trent, Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1951, Serial No. 246,832
11 Claims. (Cl. 307-88)



10. The combination which comprises a transistor having an emitter electrode, a collector electrode, and a base electrode, a first external circuit interconnecting said emitter and base electrodes, a second external circuit interconnecting said collector and base electrodes, means to promote sufficient feedback from said second circuit to said first circuit over at least a range of emitter currents to give the emitter current-voltage characteristic of said transistor a negative resistance region bounded by two positive resistance regions, a load-line resistor and a source of potential connected in said first circuit, and means to vary the voltage of said source between a first value which locates the intersection of the load line and said characteristic in one of said positive resistance regions, and a second value which locates said intersection in said negative resistance region.

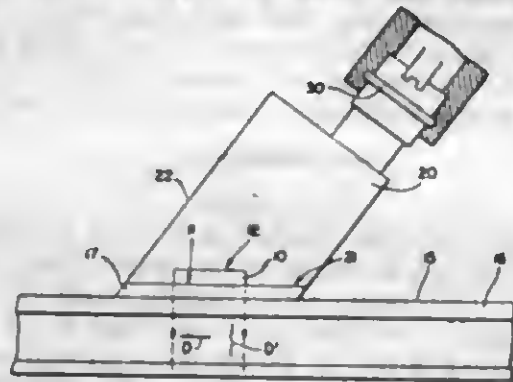
2,629,835

MULTIPLE ANGLE PIEZOELECTRIC SEARCHING UNIT

William K. Hooper, Brookfield Center, Conn., assignor to Sperry Products, Inc., Danbury, Conn., a corporation of New York
Application December 20, 1949, Serial No. 133,991
3 Claims. (Cl. 310-8,7)

1. A multiple angle piezo-electric searching unit for inspecting an object, comprising a crystal having substantially parallel faces for transmitting and receiving vibrational waves, a holder for said crystal having a plurality of working surfaces each of which is adapted for engagement with the object, one of said surfaces being

substantially parallel to said crystal faces, said holder having another of said working surfaces disposed at an angle to said first surface, said

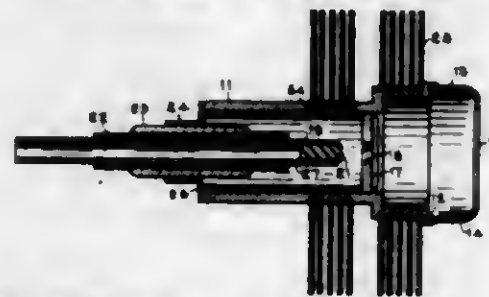


angle being such that said last-named working surface intercepts vibrational waves transmitted in a direction normal to said crystal faces.

2,629,836

ENCLOSED ARC LAMP

Hubert B. Dori, Rye, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application March 24, 1949, Serial No. 83,129
14 Claims. (Cl. 313-44)

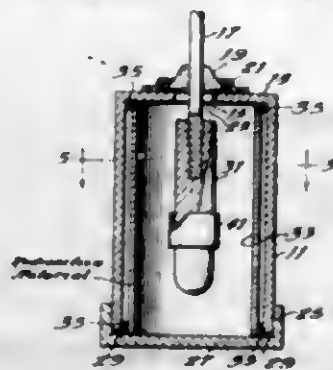


1. In an enclosed arc lamp, a metallic tubular envelope having a transparent window sealed in an end wall thereof, a cathode assembly insulatingly sealed in the other end of said envelope comprising a metallic tubular support member having a light emissive material filling at least one end of said support member, a disc shaped metallic anode positioned between said cathode and said window and having its periphery in intimate engagement with the interior surface of said metallic envelope, an aperture in said anode for transmission of light from said cathode therethrough and a filling of inert gas in said envelope.

2,629,837

RADIOACTIVE RESISTOR

James M. Benade, Chicago, Ill., Edmund E. Goodale, Hiram, Ohio, and William P. Jesse, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application June 27, 1945, Serial No. 601,805
7 Claims. (Cl. 313-54)



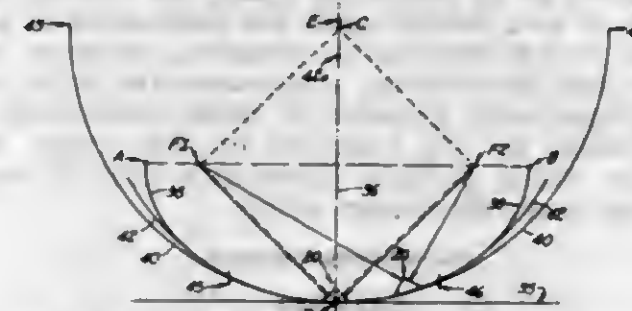
1. A radioactive resistance unit comprising, in combination, a sealed envelope which contains

an ionizable gas, a pair of electrodes supported in spaced apart relationship within said envelope, radioactive means for effecting substantially constant continuous ionization of the gas contained within said envelope, and a covering of electrically conducting material disposed in contact with a portion of the surface of at least one of said electrodes and confronting the other of said electrodes, said covering being of a different material than the electrodes which yields a self-induced voltage of opposite polarity to that induced in the contacted electrode, thereby effectively canceling at least a portion of the self-induced voltages from the resistance unit.

2,629,838

COLOR TELEVISION SCREEN WITH CORRECTION FOR OVERPLAY

Charles Willard Geer, Long Beach, Calif., assignor to Technicolor Motion Picture Corporation, a corporation of Maine
Application August 4, 1949, Serial No. 108,478
24 Claims. (Cl. 313-70)



1. A television screen for overplay correction and comprising: a supporting surface; and a multiplicity of pyramids on said surface, each of which presents a plurality of impingement faces for electron beams of a corresponding plurality of electron guns, each face of each pyramid being directed in substantially the same direction as corresponding faces of all the other pyramids and forming therewith a corresponding plurality of series of faces, each series carrying a given phosphor activatable by respective electron beams to yield a given principal color, pyramids at the center of the screen having their axes perpendicular to the corresponding screen portion, the axes of the pyramids outside said center being progressively tipped increasingly toward the screen center of the screen as the pyramids lie progressively farther outward from said screen center, whereby to dispose the respective faces in planes substantially perpendicular to the respective beams and thereby to compensate for angular change of direction of the respective electron beams as the respective guns scan said screen.

19. A color television tube of the class described, including a concave screen, the curvature of which lies between a side of minimum curvature of an ellipse and a segment of a semi-circle whose radius approximates the minor axis of the said ellipse.

2,629,839

CAPACITIVE LIGHTING SYSTEM

William E. Greenlee, Peru, Ind.
Application May 10, 1948, Serial No. 26,037
4 Claims. (Cl. 313-201)

1. A gaseous discharge lamp assembly comprising a transparent envelope of dielectric material having its interior sealed from the atmosphere, a conduit extending through the envelope and sealed at each end to the envelope, a

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rare gas sealed within the envelope at low pressure and encompassing the conduit, a high frequency conductor extending slidably through the

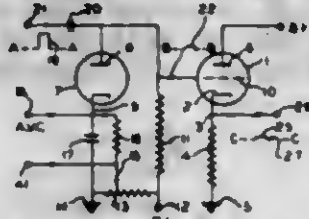


conduit, means between the conduit and envelope for holding the envelope in place on the conductor, and a grounded reticulated metal member around the envelope.

2,629,840

VOLTAGE CONTROL SYSTEM

Herbert G. Weiss, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application June 23, 1945, Serial No. 601,159
14 Claims. (Cl. 315-30)



1. An electrical circuit for producing a variable unidirectional voltage comprising a first electron tube having a cathode, a grid, and an anode, said anode being connected to a first source of unidirectional positive voltage, said grid being connected through a first resistor to a second source of unidirectional positive voltage of substantially smaller magnitude than the voltage of said first source, and said cathode being connected through a second resistor to ground, and a second electron tube having an anode and a cathode, said second tube anode being directly connected to said grid, and said second tube cathode being connected through a potentiometer to said second source of unidirectional voltage in such fashion that the voltage on said second tube cathode may be varied manually through a range of magnitudes at all times equal to or less than the magnitude of the voltage of said second source, whereby when said voltage on said second tube cathode is varied said second tube undergoes a variation in anode voltage and controls directly the voltage of said grid and the magnitude of the current flowing in said first tube and in said second resistor, said first tube being at all times in a current-conducting state.

2,629,841

TRANSVERSAL ELECTRIC WAVE FILTER

Liss C. Peterson, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1947, Serial No. 731,231
10 Claims. (Cl. 315-39)



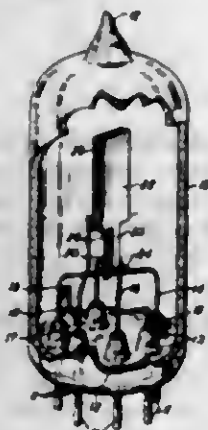
1. A wave transducing system of the kind described comprising an electric space discharge device having cathode and anode electrodes with a grid electrode interposed between them, said grid electrode and one of the other of said elec-

trodes being elongated and together forming an electric wave transmission line, a wave input connection at one end of said line and an impedance matching termination at the other end, said transmission line being curved and the second of said other electrodes being localized on the inner side of the curve, and the transconductance of said discharge device varying from one place to another along said line in conformity with a predetermined weighting function, and a wave output connection to said second electrode, whereby the wave output of said system at any instant is the integrated product of said weighting function and the variations in amplitude along said line of input waves present thereon at that instant.

2,629,842

CONSTANT VOLTAGE GLOW DISCHARGE CONTROL DEVICE

Mark A. Townsend, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1949, Serial No. 104,264
6 Claims. (Cl. 315—326)

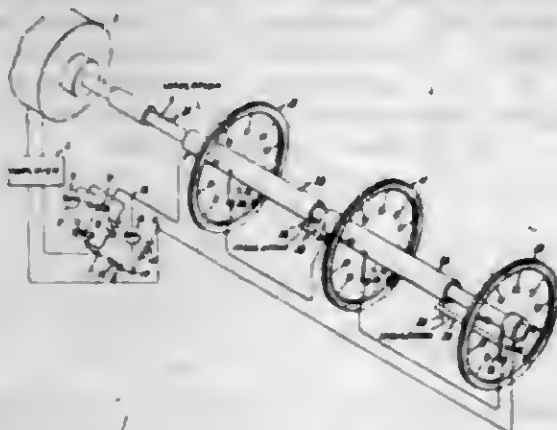


1. A glow discharge device comprising closely spaced planar electrodes, each of said electrodes having a tab at one end, and a pair of support wires connected to each of said tabs, each wire being connected to a respective side of a tab, whereby motion of the electrode during processing is avoided.

2,629,843

AUTOMATIC ELECTRICAL MEASURING DEVICE

Theodore M. Berry, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 22, 1951, Serial No. 216,942
3 Claims. (Cl. 318—29)



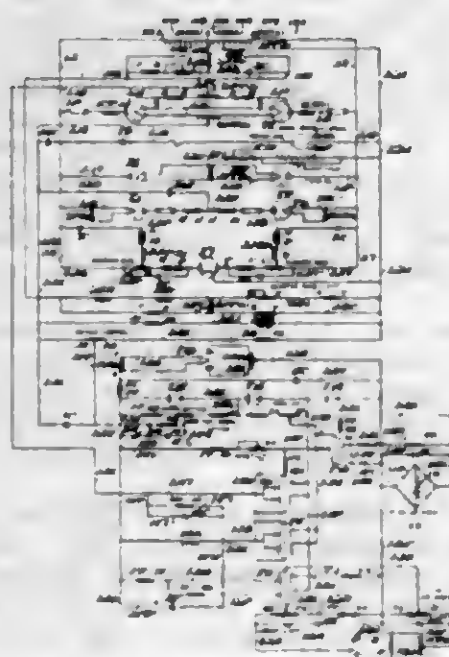
1. A device for measuring the impedance of an electrical unit comprising a bridge circuit provided with input and output terminals and hav-

ing standard impedances forming two of the legs thereof and said electrical unit and a variable impedance unit forming the remaining two legs thereof, said variable impedance unit including a plurality of impedance members, the first of said impedance members having a predetermined value of impedance and the impedance value of each of the remainder of said members being in a geometric progression relation to the impedance of the immediately preceding of said members, each of said impedance members having a plurality of equi-impedance tapped portions and contacts connected thereto, movable arms for electrically contacting said contacts, each of said arms having projections thereon for engaging projections on adjacent arms whereby each arm is moved by and together with the preceding arm upon movement of said preceding arm past a predetermined point, electrical connections joining said impedance members in series conducting relationship, each of said members being connected through an end tap and its corresponding contact arm, means for energizing said bridge through said input terminals, a reversible motor connected to be energized from the output terminals of said bridge upon the unbalance of said bridge, and a mechanical coupling between said motor and the contact arm associated with said first impedance member to cause balancing of said bridge by the selection of the proper impedance value of said impedance unit through movement of said contact arms.

2,629,844

CONTROL SYSTEM FOR ROTARY DUPLICATING MACHINES

Theodore F. Eserkain, Wauwatosa, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application May 20, 1949, Serial No. 94,390
8 Claims. (Cl. 318—39)



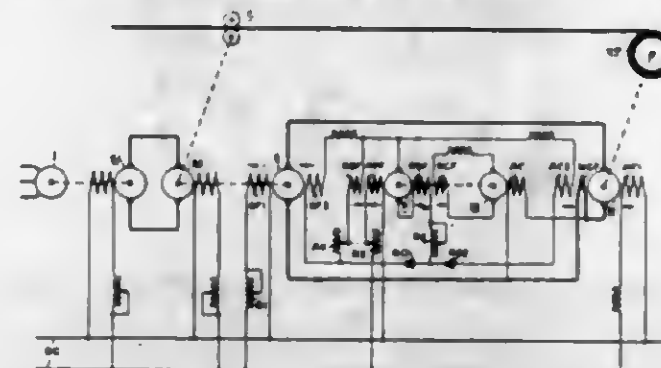
1. In combination, a rotary work holder; an electric motor for rotating said work holder; an electronic control network including, a power circuit to said motor, grid controlled gaseous electron tubes, and control circuits for said tubes for effecting operation thereof to control the current delivered to said motor by said power circuit; a tool holder mounted for cross feeding movements toward and from said work holder; means for effecting cross feeding movements of said tool holder; a signal generator adapted to be actuated to generate and impose signals on said net-

work in the form of electrical impulses of varying magnitudes to effect control of said tubes to reduce the current delivered to said motor in direct proportion to the magnitude of the generated signal, said generator being adapted to generate said signals only during actuation thereof; and said generator being operatively coupled with said tool holder for operation during cross feeding movements of the latter in either direction from any position thereof to generate signals of a magnitude in direct proportion to the velocity of the cross feeding movement of said tool holder.

2,629,845

ELECTRICAL APPARATUS

Richard E. Pabst, San Antonio, Tex., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1949, Serial No. 134,460
15 Claims. (Cl. 318—144)



1. In an electric drive for controlling the speed of a motor over a wide speed range, the combination of, a motor having a pair of cumulatively related field windings, a main generator having a pair of cumulative field windings, circuit means for applying a predetermined degree of excitation to one motor field winding, circuit means for applying a predetermined degree of excitation to one generator field winding, circuit means connecting said main generator to said motor to energize said motor, a regulating generator, excitation circuit means for applying a predetermined degree of excitation to said regulating generator, circuit means including a series-connected rectifier connecting said regulating generator to the other generator field winding to excite said other generator field winding cumulatively with respect to said one generator field winding, circuit means including a series-connected rectifier for connecting said regulating generator to the other motor field winding to excite said other motor field winding cumulatively with respect to said one motor field winding and to prevent excitation of said other motor field winding for the polarity of voltage output of said regulating generator used to excite said other generator field winding, and circuit means responsive to the current supplied to said motor for exciting said regulating generator differentially with respect to said excitation circuit means.

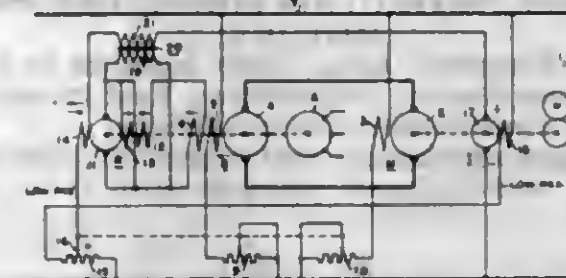
2,629,846

DRIVE CONTROL SYSTEM

James P. Montgomery, Buffalo, and William T. Hunt, Jr., Williamsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 18, 1949, Serial No. 128,052
24 Claims. (Cl. 318—146)

1. An electric drive control system, comprising a direct-current drive motor and a main generator having a common armature circuit, said gen-

erator having a main field winding rated to provide nearly all of the field excitation needed for normal operation and having a control field winding rated to provide a smaller amount of field excitation than said main field winding, voltage supply means connected to said main field winding, an amplifying control generator having throughout its operating range a substantially linear characteristic and having an armature

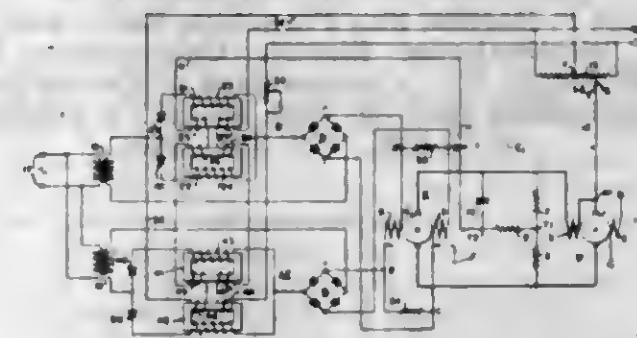


connected across said control field winding to provide it with control voltage, said control generator having a control field winding for varying said control voltage, circuit means of adjustable constant voltage for setting a desired speed, circuit means for providing variable pilot-voltage proportional to the drive speed, said two circuit means being connected in series opposed relation to each other across said control field winding of the control generator.

2,629,847

MAGNETIC AMPLIFIER CIRCUITS FOR APPLYING REVERSIBLE DIRECT-CURRENT VOLTAGE TO INDUCTIVE LOADS

William F. Eames, Westfield, and Walter H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1950, Serial No. 181,548
13 Claims. (Cl. 318—146)



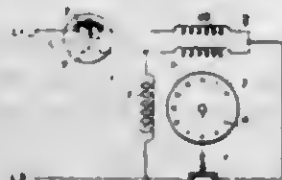
5. In a speed regulator for a motor whose armature is supplied direct current excitation from a generator connected in the Ward Leonard manner, said generator having two field windings, the combination of, an adjustable pattern voltage source, a voltage source responsive to motor speed, a balanced saturable core reactor type magnetic amplifier having input windings and having two direct current output circuits each having a pair of terminals, a balanced Wheatstone bridge comprising two resistor arms and two arms containing said generator field windings, circuit connections for connecting the positive terminal of one pair of terminals to the junction between one field winding and one resistor and the negative terminal of said one pair of terminals to the junction between the second field and second resistor, and for connecting the positive terminal of the other pair of terminals to the junction between the first field winding and second resistor and the negative terminal of said second pair of terminals to the junction between the first resistor and second field winding, and differential connections between said

adjustable pattern voltage source and said motor speed voltage source for energizing said amplifier input windings with the difference in voltage, whereby said motor speed is regulated to a value corresponding to the setting of said adjustable pattern voltage regardless of the load on said motor.

2,629,848

THERMAL PROTECTION FOR SINGLE-PHASE MOTORS

Thomas Charlton, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1951, Serial No. 228,447
9 Claims. (Cl. 318-220)

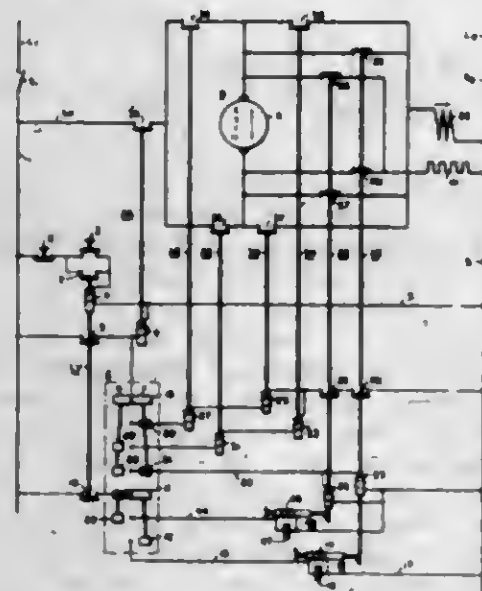


1. A single-phase alternating-current motor having a main primary winding and an auxiliary primary winding adapted to be connected in parallel to a supply line, a protective device including current-carrying thermally responsive means for actuating a contact and heating means for heating the thermally responsive means, means for connecting said contact and thermally responsive means in series with the line, and means for connecting said heating means to be energized by the current of the main primary winding and by a predetermined fractional part of the current of the auxiliary primary winding.

2,629,849

DYNAMIC BRAKING CONTROL

Randal P. Barnes, San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1950, Serial No. 169,276
16 Claims. (Cl. 318-246)



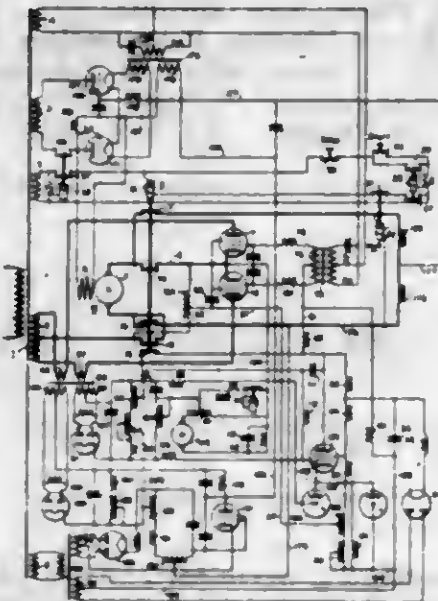
3. In a control for a dynamo-electric machine having an armature and a series field, the combination of, a first bridge circuit having a switch in each of the four legs thereof, a second bridge circuit having a switch in each of the four legs thereof, circuit means connecting said armature across one pair of diametrically opposite junctions of each bridge circuit, energizing circuit means including said series field connected to

the remaining pair of diametrically opposite junctions of the first bridge circuit, and an impedance circuit connecting said series field across one remaining junction of the second bridge circuit and the last remaining two junctions of the first and second bridge circuit.

2,629,850

ELECTRIC APPARATUS FOR CONTROLLING CORE-TYPE REEL DRIVES

Fletcher E. McLane, Lancaster, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 5, 1950, Serial No. 177,806
14 Claims. (Cl. 318-308)



1. A system for operating a core-type reel drive by rectified current from an alternating-current supply, comprising a motor armature circuit and a motor field circuit, alternating-current supply means, a controllable armature rectifier connecting said armature circuit to said supply means for providing rectified armature voltage, a controllable field rectifier connecting said field circuit with said supply means for providing rectified field voltage, said field rectifier having a control circuit, said control circuit having a current-responsive voltage source means connected with said armature circuit for controlling said field rectifier to maintain the current in said armature circuit at a constant value within a given speed range, said armature rectifier having a control circuit, said latter control circuit having a voltage-responsive voltage source means connected across said armature circuit for controlling said armature rectifier to maintain said armature voltage constant within said speed range, and current-control means connected with said armature circuit and responsive to a predetermined minimum value of said current below overload conditions of said current but higher than said constant current value, said limit control means being connected with said armature rectifier control circuit for causing it to control said armature rectifier to reduce said armature voltage in response to said predetermined value.

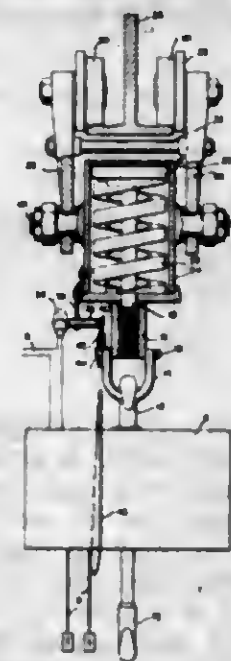
2,629,851

AUTOMATIC SAFETY DEVICE FOR POWER LIFTS

Earl C. Gilbert, Jr., Hopkins, Minn.
Application May 16, 1949, Serial No. 93,515
10 Claims. (Cl. 318-475)

1. An overload safety device for a power lift comprising in combination an anchored support means, a spring supported by the support means,

a load carrying member supported by the spring, an element attached to the load carrying member and urged into abutment with the support means by action of the spring on the load carrying member, the point of attachment determining the force with which the spring urges said abutting element into abutment, the abutting

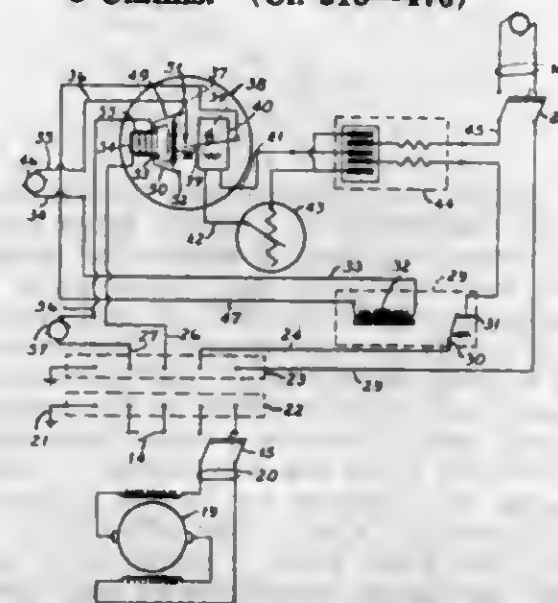


element moving away from the support means as an overload is encountered, lift means connected to said attached member and adapted to carry a weight to be lifted, and a switch member connected to the support means and to the abutting element to be operated to turn off the power lift when said abutting element moves away from the support means as the overload is encountered.

2,629,852

ELECTRIC CONTROL FOR MOTORS

William H. McElvenny, Drexell Hill, Pa., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1951, Serial No. 222,261
3 Claims. (Cl. 318-476)



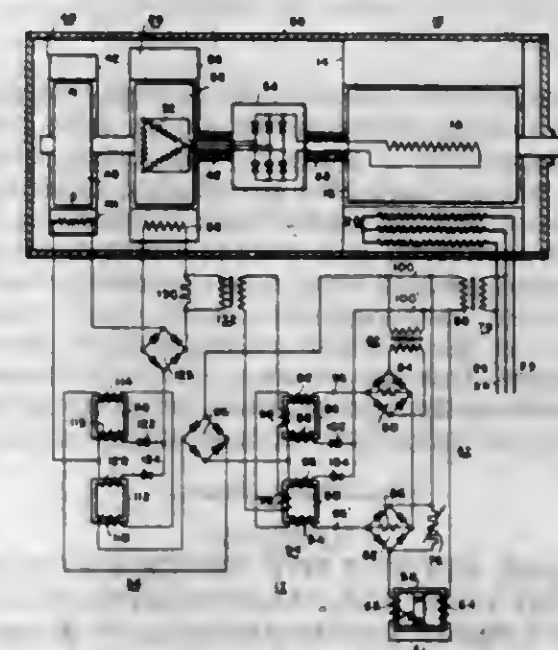
1. A control for an electrical device such as the electric motor of a portable electric tool or the like, said control having a relay coil and a switch operated by the relay coil, said switch being connected to the motor and thus controlling the operation of the tool, a source of electrical energy, a meter connected in series with the source of energy and the switch, said meter having a movable armature, a switch operable by the armature when the current through the latter reaches a predetermined value, said armature

operated switch being in series with the relay coil and the source of electrical energy to control the actuation of the relay and the electrical tool controlled thereby, releasable holding means acting upon the armature operated switch to hold the latter in operated condition after the circuit through the motor is broken, and means controlled by the operation of the tool and acting upon the armature operated switch to release said holding means.

2,629,853

REGULATING SYSTEM

Edwin L. Harder and Schuyler L. Bradley, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1951, Serial No. 262,971
10 Claims. (Cl. 322-28)



1. In a voltage reference network disposed to be responsive to a variable alternating current voltage, the combination comprising, a full wave dry type rectifier having input and output terminals, means for applying the variable alternating current voltage across the input terminals of the full wave rectifier, another full wave dry type rectifier having input and output terminals, a saturable reactor comprising a magnetic core member and a permanent magnet so disposed as to magnetize the core member a predetermined amount, the saturable reactor being responsive to the variable alternating current voltage and so disposed as to produce across the input terminals of said another rectifier a voltage that is substantially independent of the frequency and magnitude of the variable alternating current voltage, and circuit means associated with said full wave rectifier and said another full wave rectifier so as to produce a combined output voltage from said rectifier and said another rectifier that is a measure of the difference between the voltage across the input terminals of said rectifier and the voltage appearing across the input terminals of said another rectifier.

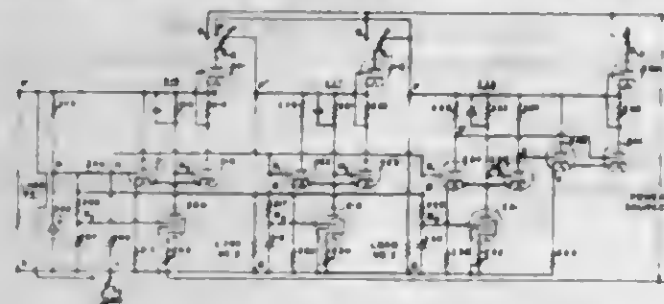
2,629,854

ELECTRONIC VOLTAGE REGULATOR

John E. Williams, Linwood, N. J.
Application January 29, 1952, Serial No. 268,725
26 Claims. (Cl. 323-22)

1. In a voltage regulator fed from positive and negative terminals of a power supply supplying

current to a load, linearly variable impedance means connected in series with said load between said terminals, voltage control means in shunt with the load establishing a steady preliminary potential above said negative terminal potential, pentode means including a resistor and pentode tube series-connected in shunt with the load, said tube having a cathode, grid and screen grid at fixed relative potentials and an anode connected through said resistor to said impedance means thereby fixing anode current of the pentode and impressing residual error voltages passed



by the impedance means thereacross, voltage amplifying means energized in shunt with the load and comprising a plurality of tubes, one pair thereof having cathodes at common potential and plates supplied by individual connection to the impedance means, said pair of tubes having grids respectively at said preliminary potential and the potential of said pentode anode, and means responsive to the resulting amplified error voltage controlling the impedance of said impedance means to nullify said residual error in proportion to corrective amplification advantage of the regulator.

2,629,855

VOLTAGE REGULATOR SYSTEM FOR HIGH AND LOW VOLTAGE REGULATION

Otto H. Schmitt, Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application August 7, 1944, Serial No. 548,486
3 Claims. (Cl. 323-66)



1. In a system for delivering regulated D.-C. voltage from an unstable, D.-C. voltage source comprising the combination of a D.-C. motor and a resistor connected in series for connection across said source, an intermittent shunt across said resistor, voltage generating means driven by said motor, and comparing means for operating said shunt variably according to the deviation of the generated voltage from a reference voltage standard, whereby regulated D.-C. voltage may be obtained at the motor terminals.

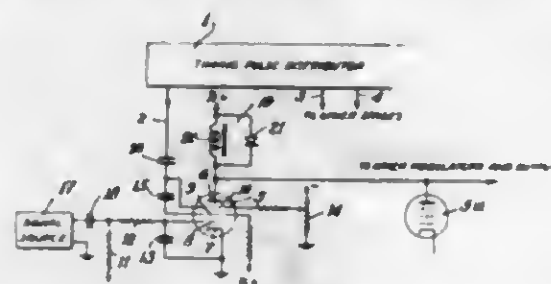
2,629,856

PTM MODULATOR AND DEMODULATOR SYSTEM

Harris Gallay, Belleville, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application December 19, 1949, Serial No. 133,854
11 Claims. (Cl. 332-9)

1. A pulse generator comprising an electron discharge device having an anode, a cathode and

first and second and third grid electrodes, means for applying a voltage positive with respect to said cathode to said second grid electrode and said anode electrode, to render the path defined by said cathode and second grid electrodes normally conductive, means for normally biasing said third grid electrode negatively with respect to said cathode to render the anode-cathode discharge path of said device normally non-conduc-



tive, capacitive means inter-coupling said second and third grid electrodes, a source of positive pulses, means for applying said positive pulses to said third grid electrode to overcome the bias on said third grid to tend to render said anode-cathode path conductive, and means for applying voltages from a source to said first grid electrode to control the timing of the period of conductivity of said anode-cathode path.

2,629,857

COMMUNICATION SYSTEM UTILIZING CONSTANT AMPLITUDE PULSES OF OPPOSITE POLARITIES

Edmond Maurice Deloraine, New York, N. Y., Stanislas Van Mierlo, Antwerp, Belgium, and Boris Derjavitch, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 8, 1947, Serial No. 778,862
In France August 10, 1946

Section 1, Public Law 690, August 8, 1946
Patent expires August 10, 1966
3 Claims. (Cl. 332-11)



1. A system for transmitting signals substantially representative of a given wave having a given function comprising means for generating locally a wave similar to said given wave, means for comparing a characteristic of said given wave and said locally generated wave, means for generating signals responsive to said comparison of said waves and characteristic of the comparison value, said signals having a wave form substantially different from the waveforms of either of said waves, said means for locally generating a wave comprising means for effectively reconstructing said given wave in response to said signals, and means for transmitting said signals.

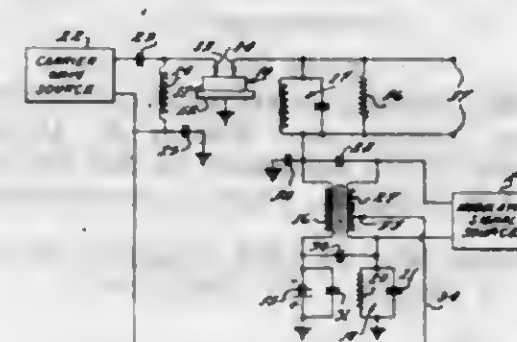
2,629,858

TRANSISTOR AMPLITUDE MODULATOR

Leslie L. Koros, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1950, Serial No. 203,397
5 Claims. (Cl. 332-31)

1. An amplitude modulation system comprising a semi-conductor device including a semi-

conducting body, a base electrode, an emitter electrode and a collector electrode in contact with said body, means applying operating potentials to said electrodes, a carrier wave source coupled between said emitter and base electrodes for impressing said carrier wave thereon, a modulation signal source coupled between said collector and base electrodes for impressing said modulation signal thereon, a resonant output circuit coupled between said collector and base electrodes and tuned to the frequency of said carrier wave for

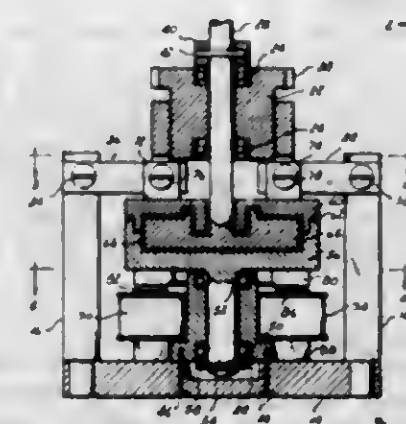


deriving therefrom an amplified carrier wave amplitude modulated in accordance with said modulation signal, and a circuit connection between said signal source and said emitter and base electrodes for impressing a predetermined portion of said modulation signal on said emitter and base electrodes simultaneously with said carrier wave, thereby to modulate said carrier wave impressed on said device to a predetermined extent and in a predetermined direction as provided by said modulation signal.

2,629,859

ELECTRICAL RATE GENERATOR

James E. Taylor, New York, N. Y., assignor to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut
Application December 18, 1948, Serial No. 66,121
4 Claims. (Cl. 336-30)

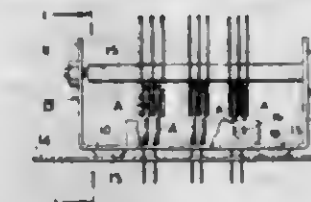


1. An electrical rate generator including in combination a shaft adapted to be rotated as a function of the movement of a mechanical part, a disc carried by said shaft for rotation therewith, a housing, means for rotatably mounting said housing, said disc being positioned in said housing, a viscous fluid positioned in said housing and contacting said disc, means for biasing said housing to assume a neutral position and means responsive to the displacement of said housing from said neutral position upon rotation of said shaft for generating a signal of an amplitude as a function of the displacement of the housing from its neutral position and of a direction agreeable to the sense of the displacement.

2,629,860

INDUCTANCE TUNING UNIT

Frank O. Chesus, Bayshore, and John T. Koleda, Islip, N. Y.
Application August 5, 1949, Serial No. 108,734
6 Claims. (Cl. 336-79)

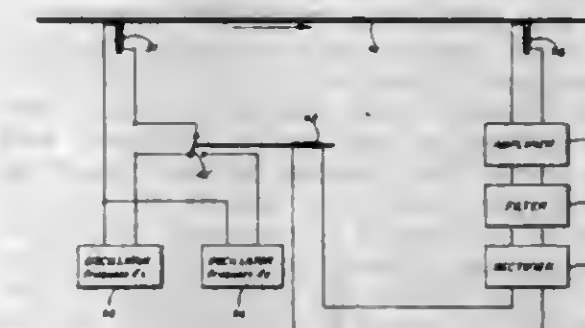


1. A variable inductance tuning device comprising a frame having a ground, a plate-like insulating form which has an aperture and which is supported by said frame, a coil comprising flat spiral wound coil sections which are respectively mounted on the respective faces of said form and which have respective inner terminal ends which are positioned adjacent said aperture, connecting means which extends through said aperture and electrically connects said inner ends of said coil sections, a pair of conductive plates which are mounted on said frame substantially parallel to said form, means for moving said plates in a direction parallel to said form and for varying the area of each plate which directly opposes the proximate face of said coil, one only of the elements including said pair of plates and the respective termini of said coil being electrically connected to said ground.

2,629,861

CONTROL CIRCUIT FOR SIGNAL RECORDING AND REPRODUCING SYSTEMS

Semi Joseph Begun, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Original application November 29, 1944, Serial No. 565,736. Divided and this application October 11, 1947, Serial No. 779,238
7 Claims. (Cl. 340-174)

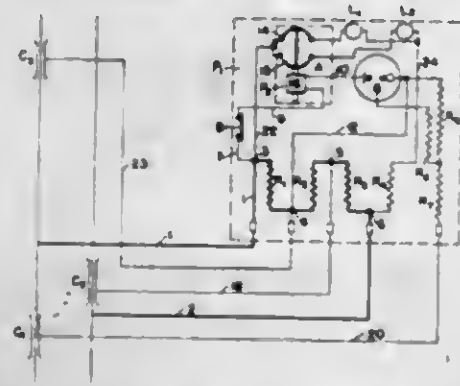


1. A signal recording and reproducing system comprising: a record member, signal recording means for recording on said record member and including first and second signal input circuits, signal reproducing means for reproducing the recorded signal from said record member, means for effecting relative motion between said record member and both of said above-mentioned means, signal altering means connected alternatively to each of said signal input circuits, and a control circuit connection from said signal reproducing means to said signal altering means for alternatively connecting each signal input circuit to said recording means in accordance with the signal reproduced from said record member.

2,629,862

METHOD AND MEANS OF MEASURING CURRENT COLLECTOR WEAR

Thomas H. Sawyer, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 30, 1950, Serial No. 187,731
17 Claims. (Cl. 340-213)



1. In combination, a pair of trolley wires of opposite polarity, a contactor associated with each wire and engageable by a passing trolley head provided with a current collector, each contactor being so constructed and arranged and so related to the associated trolley wire that the contactor will be momentarily closed with respect to its trolley wire when a trolley head with a current collector which has worn a predetermined amount, passes the contactor but which contactor is not affected by the passing of a trolley head at other times and normally remains open with respect to its trolley wire, electrically controlled means to selectively indicate whether either one or both contactors are normally open or have been closed by a passing trolley head with said worn current collector, the said means comprising a voltage divider energized directly from both trolley wires, a second voltage divider energized from a portion of the first voltage divider, a selectively controlled electrically operated circuit changer energized from a portion of the first voltage divider, a gas-triode tube to selectively initiate and maintain a current flow through the operating means of the circuit changer, a pair of signals controlled by the circuit changer to indicate the aforesaid condition of the contactors after the passing of the trolley head, the aforesaid elements forming the said electrically controlled means being so constructed related and connected that the first voltage divider is constantly energized and the voltage across that portion of the voltage divider to which the operating means of the circuit changer is connected is normally less than the peak anode breakdown voltage of the tube and which voltage across the said portion of the first voltage divider remains substantially unchanged when either or both contactors are engaged by passing trolley heads providing the heads do not close the contactors with respect to the associated trolley wire, the said second voltage divider becoming energized only when the positive contactor is closed with respect to its trolley wire at which time the voltage across a portion of the second voltage divider is not less than the peak positive starter-anode breakdown voltage of the tube thereby initiating a current flow through the operating means of the circuit changer and thereby changing the signal indicator from normal, when the negative contactor is closed with respect to its trolley wire a portion of the first voltage divider will be short circuited thereby raising the voltage across the remaining portion of the divider to a value at least equal to the peak anode breakdown

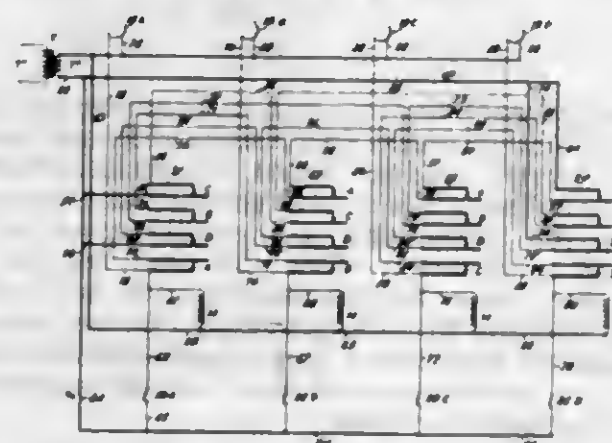
voltage of the tube thereby initiating a current flow through the operating means of the circuit changer and thereby changing the signal indication from normal, normally open contactor means associated with the positive trolley wire and spaced from the other positive contactor to be engaged by the passing trolley head and closed with respect to the associated trolley wire and connected to the first voltage divider whereby the voltage maintaining the tube active is automatically reduced to zero, thereby returning the said electrically controlled means to normal.

2,629,863

CASH REGISTER INDICATING SYSTEM

Max Stern, Venice, and Robert A. Alexander, Rosemead, Calif., assignors to Tel-All Corporation, Los Angeles, Calif., a corporation of California

Application May 20, 1949, Serial No. 94,322
4 Claims. (Cl. 340-274)



1. In combination, a cash register having a cash drawer, said drawer being divided into a plurality of currency-receiving bins and having a currency-retaining bracket disposed in each of said bins, electrical switching means associated with each of said retaining brackets adapted to be closed upon the lifting of said bracket, an electrically responsive indicator means in circuit with such switching means for indicating lifting of each currency retainer bracket, a plurality of electromagnets having the electric circuit thereof in series with the switching means, each of which is adapted to be energized respectively upon the closing of one of the switching means associated with each currency-receiving bin, each of said electromagnets being associated with at least one magnetically responsive normally open switch and a plurality of magnetically responsive normally closed switches, each of said normally open switches being adapted upon being closed to energize one of said indicator means and to create a holding circuit for said electromagnet in series with one of the normally closed switching means associated with each of said electromagnets.

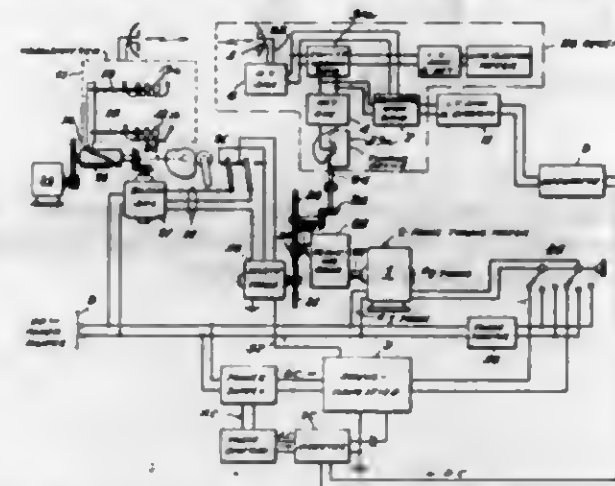
2,629,864

RECEIVER TUNING DEVICE

Benjamin Parzen, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 6, 1948, Serial No. 6,700
5 Claims. (Cl. 343-5)

4. The method of adjusting the tuning of a radio receiver in accordance with variations of frequency of an associated transmitter, a reversible two-phase motor being mechanically coupled to tuning means of said receiver, and the tuning means of said transmitter being mechan-

ically coupled to a selsyn generator which serves to control the amplitude and phase of an output current from an associated selsyn transformer, said method comprising the steps of constantly feeding to said motor one phase of a low frequency energy source, this frequency being the



same as is applied to said selsyn units for energizing the same, amplifying said output current from the selsyn transformer, feeding the same to said motor as the second phase of its driving power, and reducing said output current substantially to a zero value in response to the tuning readjustment of said receiver by said motor.

2,629,865

RADIO ECHO APPARATUS FOR DETECTING AND MEASURING THE SPEED OF MOVING OBJECTS

John L. Barker, Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated, a corporation of Delaware
Application June 13, 1946, Serial No. 676,401
23 Claims. (Cl. 343-8)



7. In combination means transmitting microwaves of constant frequency from a point along a traffic path toward a vehicle traveling along such path so as to have some of the microwaves reflected from said vehicle toward said point and receiving and mixing at said point such transmitted and reflected waves to provide a beat frequency proportional to the speed of said vehicle along such path, means for translating such beat frequency into an output voltage proportional to such beat frequency and means including a relay operating responsive to such output voltage only beyond a substantially predetermined voltage level corresponding to the lowest level of vehicle speed ordinarily experienced along said path for detecting the presence of a vehicle traveling along such path at some appreciable speed as distinguished from all stationary bodies.

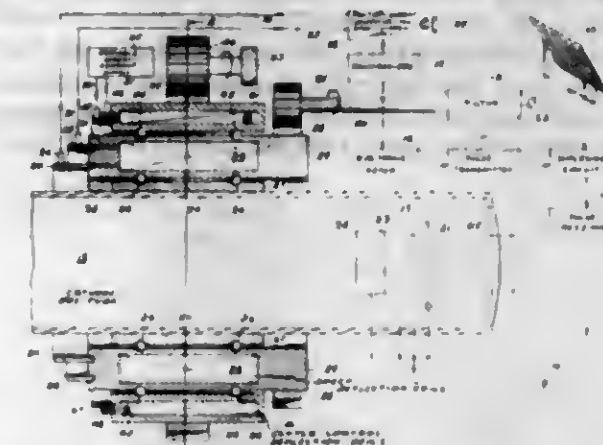
2,629,866

POSITION INDICATING APPARATUS

Robert M. Page, Washington, D. C.
Application September 19, 1942, Serial No. 459,010
6 Claims. (Cl. 343-11)
(Granted under Title 35, U. S. Code (1952), sec. 266)

1. In an apparatus for indicating range and azimuth of remote objects, means producing a

directional pulse energy emission, means rotating said directional pulse energy emission, an oscillograph, a plurality of deflection coils rotatably mounted on said oscillograph, means applying saw-tooth currents synchronized with said directional pulse emission to said coils for producing a radial sweep of the electron beam of said oscillograph, means rotating said coils in synchronism with rotation of said directional pulse energy emission whereby said sweep rotates in

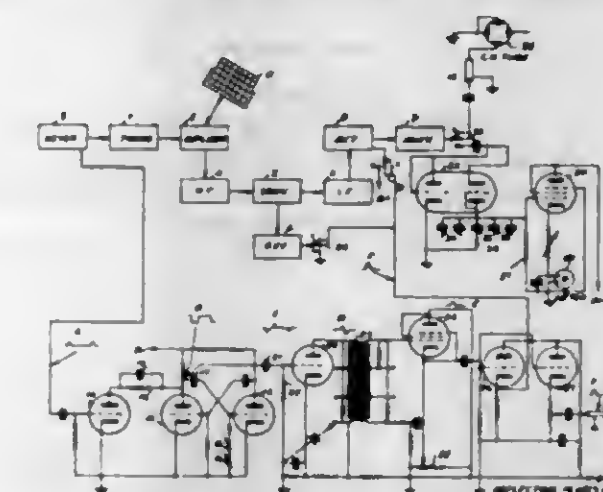


synchronism with rotation of said directional pulse energy emission, means producing indications on said sweep when said pulse energy impinges upon and are reflected from remote objects whereby range of said remote objects is represented on said sweep by the distance of said indications from one end thereof, and whereby azimuth of said remote objects is presented from the angular displacement of said sweep at the instant said indications are produced thereon.

2,629,867

RANGE APERTURING DEVICE

Allen H. Schooley, Washington, D. C.
Application April 17, 1943, Serial No. 483,495
12 Claims. (Cl. 343-13)
(Granted under Title 35, U. S. Code (1952), sec. 266)



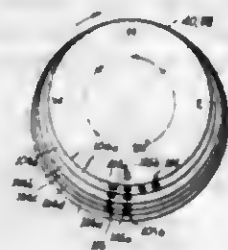
1. In a radio obstacle detection system, a pulse transmitter and a pulse receiver having a converter, an oscillator and an output means, a first means for maintaining said oscillator in a normally operative condition whereby said receiver is normally maintained in a receptive condition, a second means for normally maintaining said oscillator inoperative and for periodically rendering said oscillator operative whereby said receiver is periodically rendered receptive to an energy reflection from any one selected obstacle, and a means for switching said receiver from the operating condition of the first means to the second means and vice versa.

2,629,868
RADIO ECHO DIRECTION DETERMINING
APPARATUS

Joseph La Via, Ridgewood, N. Y.
 Application February 3, 1947, Serial No. 725,995
 6 Claims. (Cl. 343-16)

1. A signaling apparatus comprising in combination a viewing screen lined to define co-related areas representative of explored regions and a stationary antenna array having a plurality of groups of fixed directive energy-radiating means, said means in each group having their direction of radiation oriented at the same angle of elevation from the vertical axis, and said successive groups having directivity in ordinal successive angular elevations and the successive energy-ra-

diating means in each group having their direction of radiation in ordinal successive azimuth



about the axis, each individual azimuth-angle directive-radiating means corresponding to a co-related area on the viewing screen.

DESIGNS

FEBRUARY 24, 1953

168,876

POWDER DISPENSING DOLL

Marguerite Adams, Manteca, Calif.
 Application September 26, 1952, Serial No. 21,609
 Term of patent 14 years
 (Cl. D34-4)

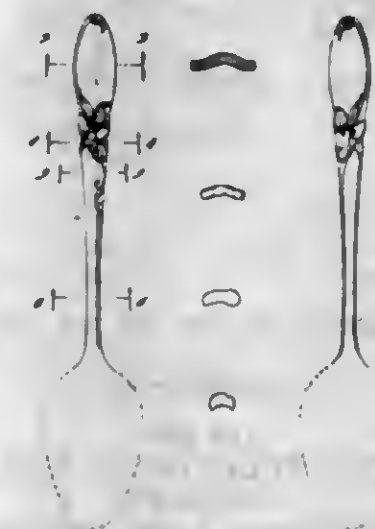


The ornamental design for a powder dispensing doll, as shown.

168,877

SPOON OR SIMILAR ARTICLE

Grosvenor N. Allen, Onelda, N. Y., and Mary Parker Fleming, Newark, N. J., assignors to Onelda Ltd., Onelda, N. Y., a corporation of New York
 Application May 1, 1952, Serial No. 19,556
 Term of patent 14 years
 (Cl. D54-12)

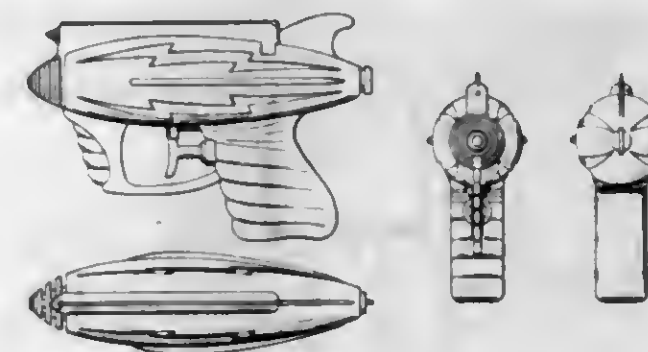


The ornamental design for a spoon or similar article, substantially as shown and described.

168,878

TOY WATER PISTOL

Charles Arliss, New York, N. Y.
 Application November 7, 1952, Serial No. 22,188
 Term of patent 7 years
 (Cl. D34-15)



The ornamental design for a toy water pistol, substantially as shown.

168,879

EGG EXTRACTOR

Harry Becker, St. Louis, Mo.

Application February 25, 1952, Serial No. 18,658

Term of patent 14 years

(Cl. D44-4)



The ornamental design for an egg extractor, as shown.

168,881

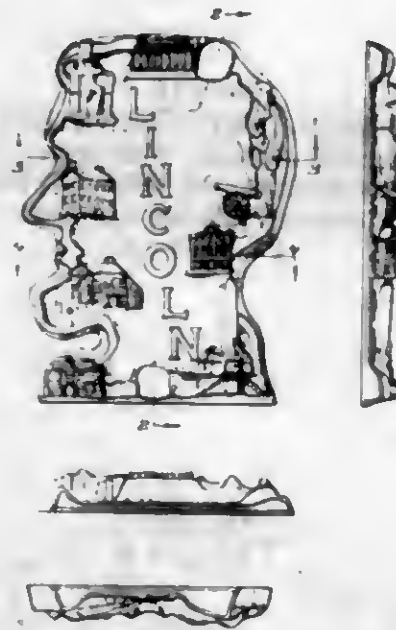
ASH TRAY

Boris Blecher, Philadelphia, Pa.

Application September 16, 1952, Serial No. 21,492

Term of patent 14 years

(Cl. D85-2)



The ornamental design for an ash tray, as shown.

168,880

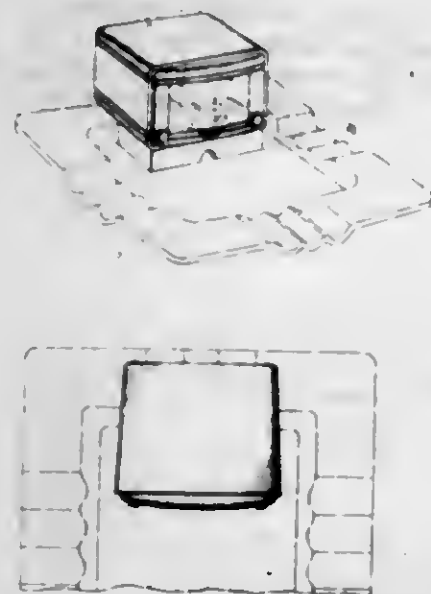
ANIMATED TELEVISION ASH TRAY NOVELTY

Ettie B. Bellett, Venice, Calif., assignor to Donald Frankel, Beverly Hills, Calif.

Application September 2, 1952, Serial No. 21,287

Term of patent 14 years

(Cl. D85-2)



The ornamental design for an animated television ash tray novelty, as shown and described.

168,882

ASH TRAY

Boris Blecher, Philadelphia, Pa.

Application September 16, 1952, Serial No. 21,493

Term of patent 14 years

(Cl. D85-2)



The ornamental design for an ash tray, as shown.

168,883

BOX OR SIMILAR ARTICLE

Arthur R. Botham, New York, N. Y., assignor to J. R. Wood & Sons, Inc., New York, N. Y., a corporation of New York

Application December 29, 1951, Serial No. 17,873

Term of patent 14 years

(Cl. D80-5)



The ornamental design for a box or similar article, substantially as shown and described.

168,884

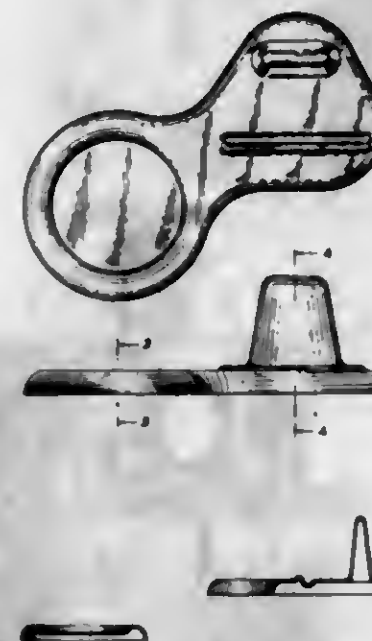
CHINA STAND

Albert Chicorel, Detroit, Mich.

Application April 18, 1951, Serial No. 14,883

Term of patent 14 years

(Cl. D80-9)



The ornamental design for a china stand, substantially as shown.

168,885

BOTTLE

Phillip Fischer, Northfield, Ill.

Application August 30, 1952, Serial No. 21,265

Term of patent 14 years

(Cl. D58-8)



The ornamental design for a bottle, as shown.

168,886

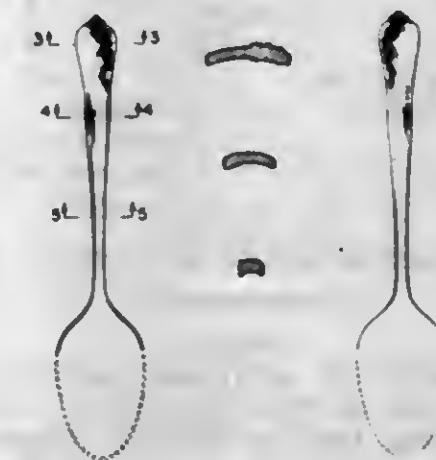
SPOON OR SIMILAR ARTICLE

Mary Parker Fleming, Newark, N. J., assignor to Onelda Ltd., Onelda, N. Y., a corporation of New York

Application May 1, 1952, Serial No. 19,557

Term of patent 14 years

(Cl. D54-12)



The ornamental design for a spoon or similar article, substantially as shown and described.

168,887

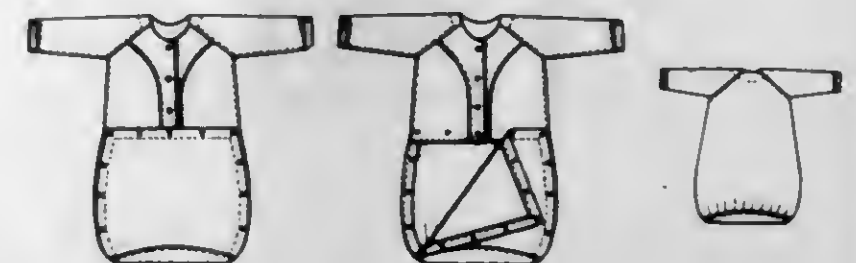
CHILD'S SLEEPING GARMENT OR THE LIKE

Rose Talsch Friedman, Scranton, Pa.

Application September 9, 1952, Serial No. 21,393

Term of patent 7 years

(Cl. D92-1)

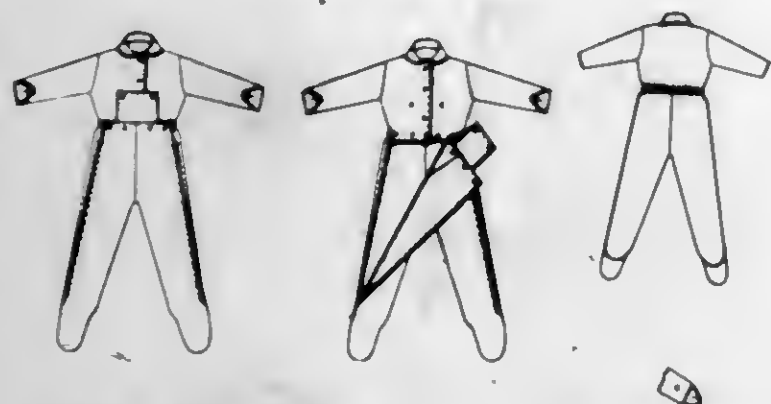


The ornamental design for a child's sleeping garment or the like, substantially as shown.

168,888

CHILD'S PRAM SUIT OR THE LIKE

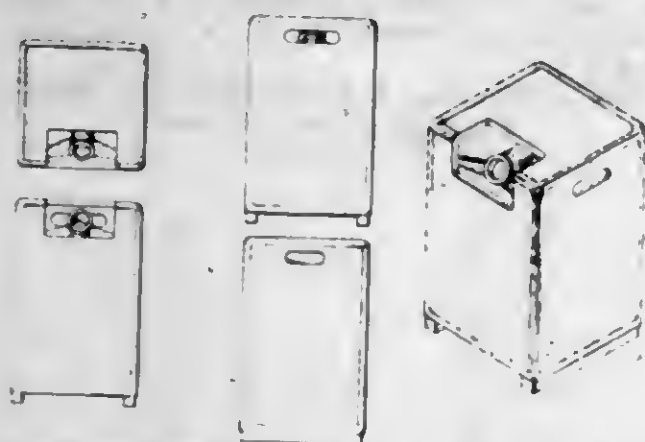
Rose Taisch Friedman, Scranton, Pa.
Application September 9, 1952, Serial No. 21,395
Term of patent 7 years
(Cl. D3—17)



The ornamental design for a child's pram suit or the like, substantially as shown.

168,889
CARBOY

Bryant H. Gardner, Springfield, and Frederick G. Towle, South Dartmouth, Mass.
Application October 27, 1951, Serial No. 17,137
Term of patent 14 years
(Cl. D58—12)

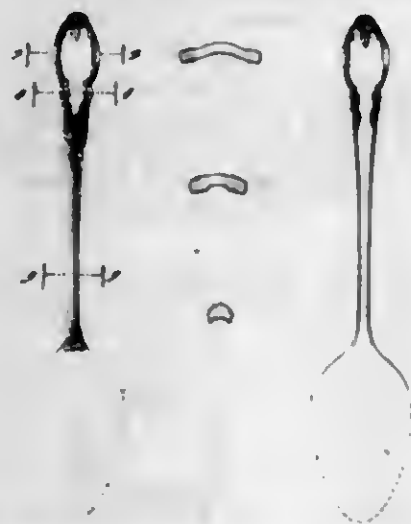


The ornamental design for a carboy, as shown.

168,890

SPOON OR SIMILAR ARTICLE

William H. Gerth, New York, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application December 22, 1951, Serial No. 17,806
Term of patent 14 years
(Cl. D54—12)

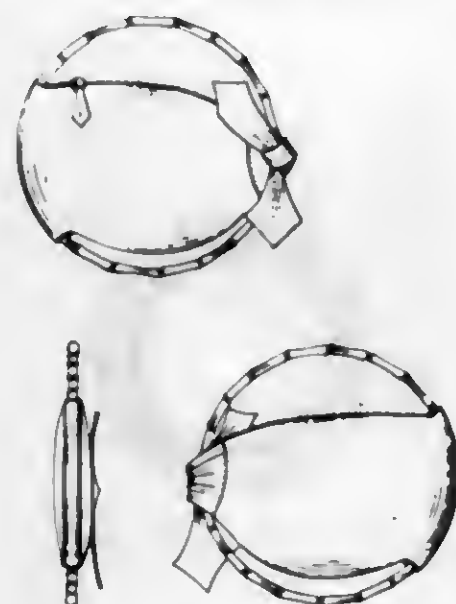


The ornamental design for a spoon or similar article, substantially as shown and described.

168,891

HANDBAG

Rubin Goldberg, Great Neck, N. Y.
Application November 18, 1952, Serial No. 22,356
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

168,892

LABORATORY SPECIMEN PRESS

George W. Graves, Oak Park, Ill., assignor to Buehler, Ltd., Chicago, Ill., a copartnership
Application October 26, 1951, Serial No. 17,128
Term of patent 7 years
(Cl. D63—1)

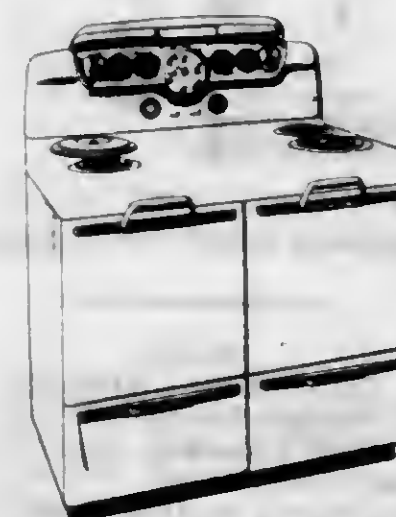


The ornamental design for a laboratory specimen press, as shown and described.

168,893

ELECTRIC RANGE

Folke M. Gustafson, Toledo, Ohio, assignor to Aveco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application December 23, 1952, Serial No. 22,856
Term of patent 14 years
(Cl. D81—4)

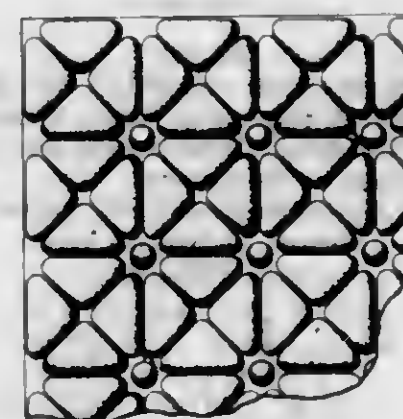


The ornamental design for an electric range, as shown and described.

168,894

RUG CUSHION OR SIMILAR ARTICLE

Theodore Horwich, Chicago, Ill., assignor to General Felt Products Co., Chicago, Ill., a corporation of Illinois
Application February 6, 1952, Serial No. 18,416
Term of patent 14 years
(Cl. D92—4)

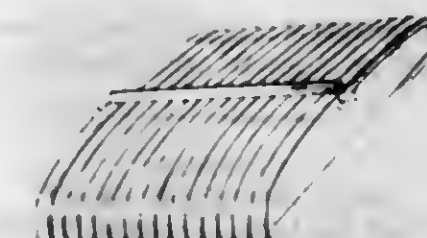


The ornamental design for a rug cushion or similar article, substantially as shown.

168,895

CANOPY

James E. Jones, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application September 25, 1952, Serial No. 21,585
Term of patent 14 years
(Cl. D88—3)

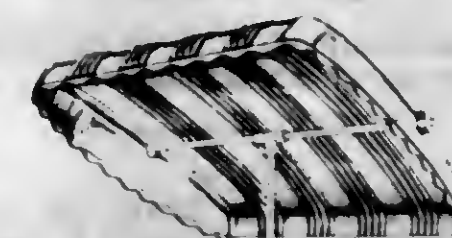


The ornamental design for a canopy, as shown and described.

168,896

CANOPY

James E. Jones, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application September 25, 1952, Serial No. 21,587
Term of patent 14 years
(Cl. D88—3)

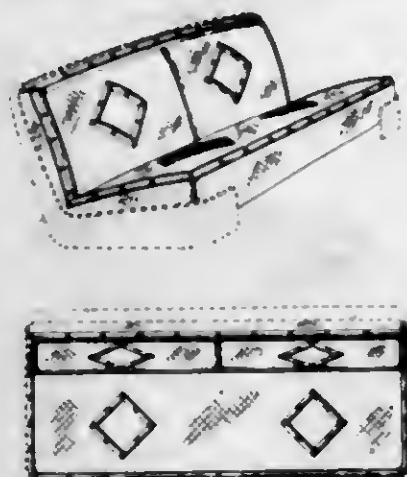


The ornamental design for a canopy, as shown and described.

168,897

AUTOMOBILE SEAT

John H. Lang, Detroit, Mich.
Application February 15, 1952, Serial No. 18,541
Term of patent $3\frac{1}{2}$ years
(Cl. D14-6)

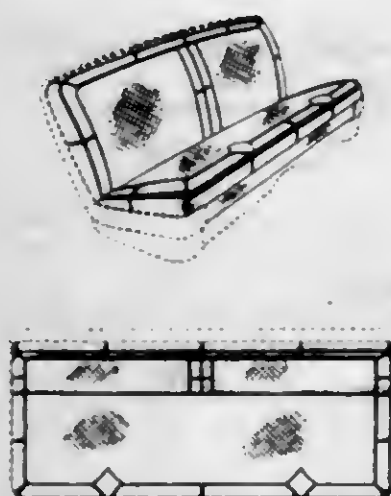


The ornamental design for an automobile seat, substantially as shown and described.

168,898

AUTOMOBILE SEAT

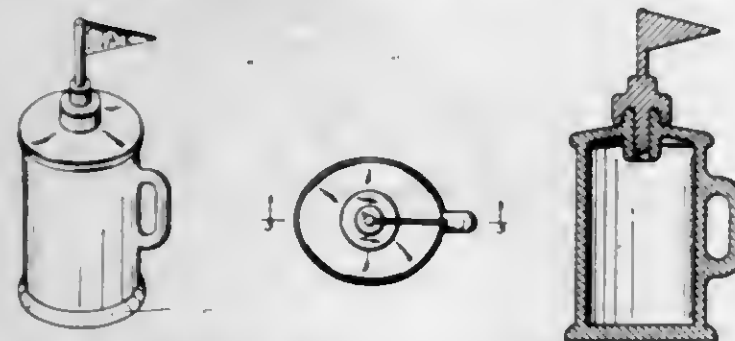
John H. Lang, Detroit, Mich.
Application February 15, 1952, Serial No. 18,544
Term of patent $3\frac{1}{2}$ years
(Cl. D14-6)



The ornamental design for an automobile seat, substantially as shown and described.

168,899

CONTAINER FOR TOILETRIES OR THE LIKE
Leonard Lewis and Lester Richter, Brooklyn, N. Y.
Application November 13, 1952, Serial No. 22,268
Term of patent $3\frac{1}{2}$ years
(Cl. D58-9)

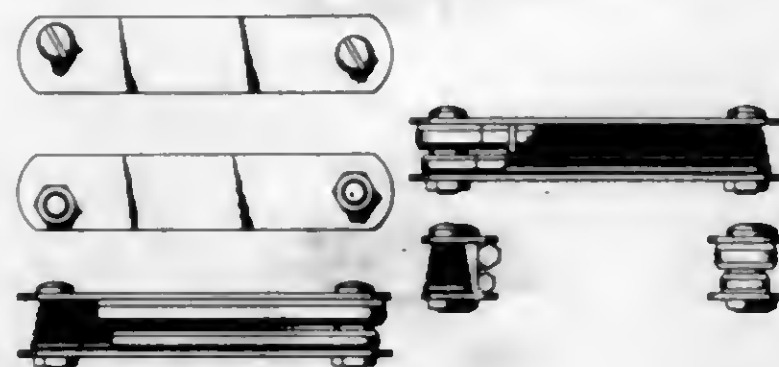


The ornamental design for a container for toiletries or the like, as shown and described.

168,900

MULTIPLE WRENCH

Simon Lutsker, Cleveland Heights, Ohio
Application January 26, 1952, Serial No. 18,246
Term of patent 14 years
(Cl. D54-13)

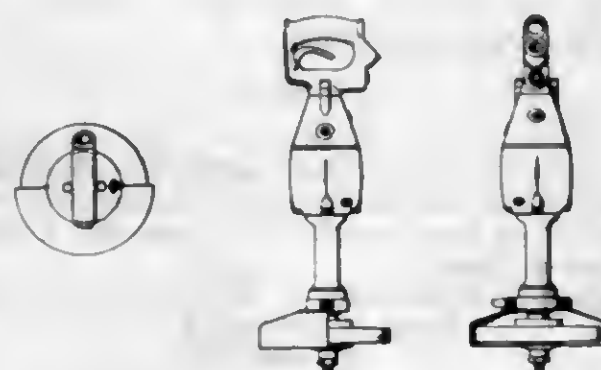


The ornamental design for a multiple wrench, as shown.

168,901

PORTABLE GRINDER

William R. Maclay, Endicott, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 26, 1952, Serial No. 19,055
Term of patent 14 years
(Cl. D37-1)

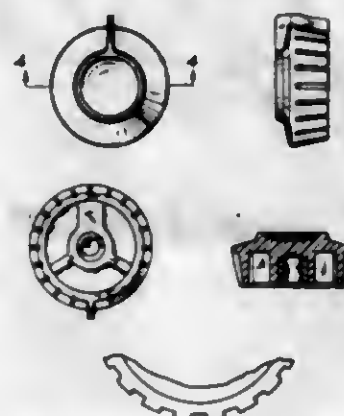


The ornamental design for a portable grinder, substantially as shown.

168,902

CONTROL AND INDICATOR KNOB

Stuart G. Mundt, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application September 18, 1952, Serial No. 21,513
Term of patent 14 years
(Cl. D26-1)



The ornamental design for a control and indicator knob, substantially as shown.

168,903

RIMLESS METAL SPECTACLE FRONT

Francis B. Neary, Rochester, N. Y.
Application April 12, 1952, Serial No. 19,300
Term of patent 14 years
(Cl. D57-1)

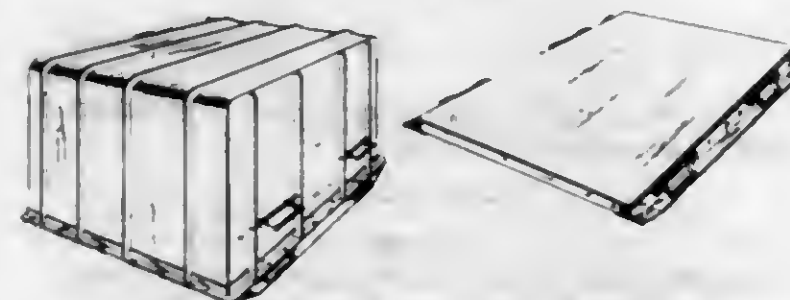


The ornamental design for a rimless metal spectacle front, substantially as shown and described.

168,904

PAPER CUTTER CASE

Richard C. O'Brien, Dayton, and Viktor Schreckengost, Cleveland, Ohio, assignors to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application May 5, 1951, Serial No. 15,075
Term of patent 14 years
(Cl. D58-12)

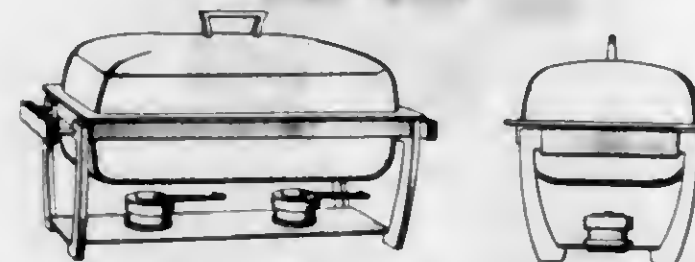


The ornamental design for a paper cutter case, substantially as shown and described.

168,905

CHAFING DISH

Daniel C. O'Connell, Bedford Village, N. Y., assignor to Sterno, Inc., New York, N. Y., a corporation of New York
Application April 23, 1952, Serial No. 19,445
Term of patent 14 years
(Cl. D44-15)

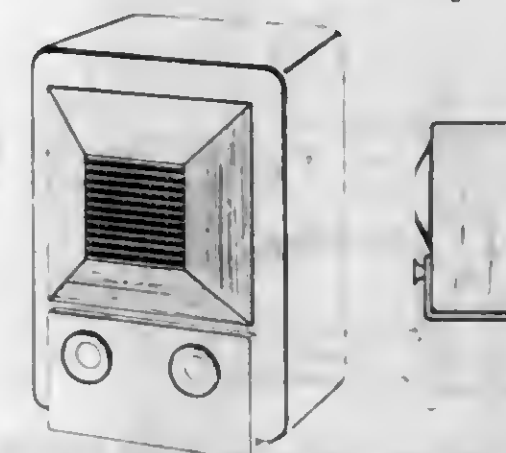


The ornamental design for a chafing dish, as shown.

168,906

RADIO CABINET

William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 18, 1952, Serial No. 20,243
Term of patent 14 years
(Cl. D56-4)

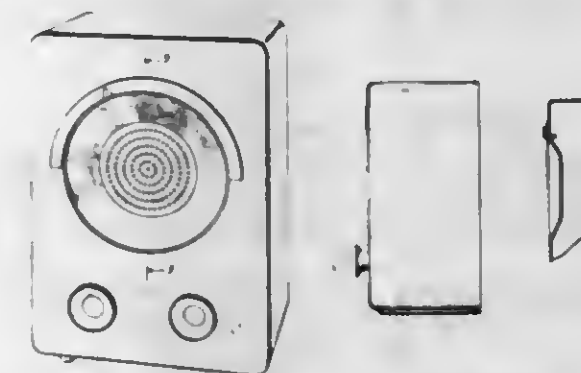


The ornamental design for a radio cabinet, as shown and described.

168,907

RADIO CABINET

William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 18, 1952, Serial No. 20,244
Term of patent 14 years
(Cl. D56-4)

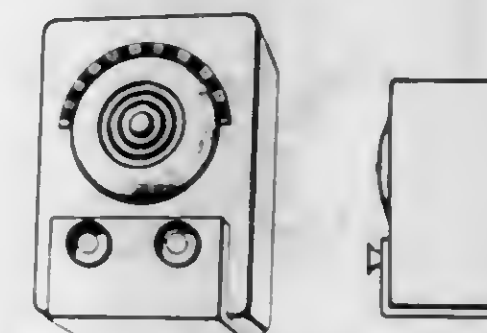


The ornamental design for a radio cabinet, as shown and described.

168,908

RADIO CABINET

William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 18, 1952, Serial No. 20,245
Term of patent 14 years
(Cl. D56-4)

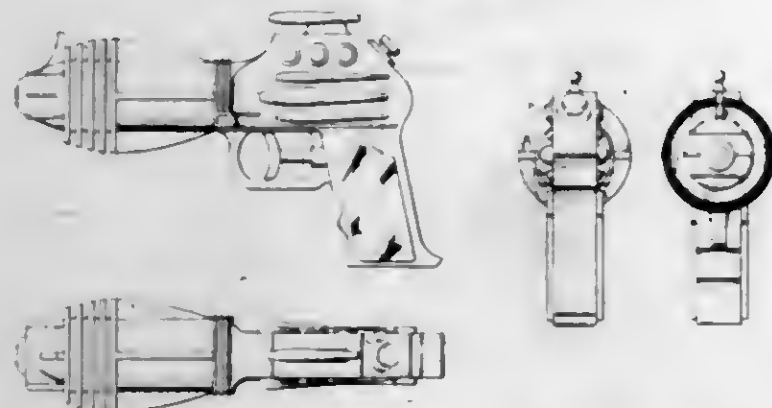


The ornamental design for a radio cabinet, as shown and described.

168,909

TOY WEAPON

Richard Rastetter, Girard, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application November 18, 1952, Serial No. 22,331
Term of patent 7 years
(Cl. D34-15)

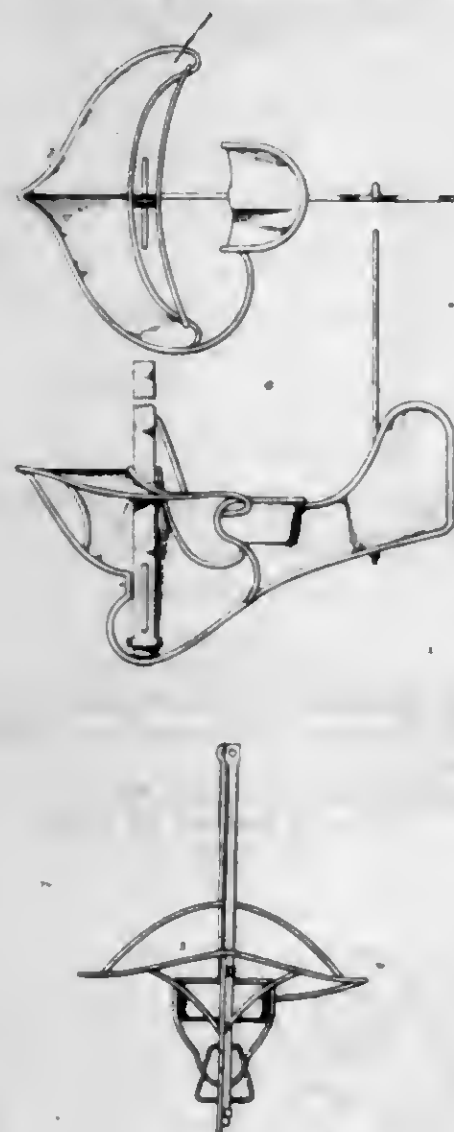


The ornamental design for a toy weapon, substantially as shown.

168,910

AERIAL AMUSEMENT RIDE CAR OR SIMILAR ARTICLE

Earl L. Reedy, Sacramento, Calif.
Application November 24, 1951, Serial No. 17,513
Term of patent 14 years
(Cl. D34-15)



The ornamental design for an aerial amusement ride car or similar article, as shown and described.

168,911

PAIR OF SPECTACLES OR SIMILAR ARTICLE

Edward Rosen, Newark, N. J.
Application May 16, 1952, Serial No. 19,735
Term of patent 14 years
(Cl. D57-1)

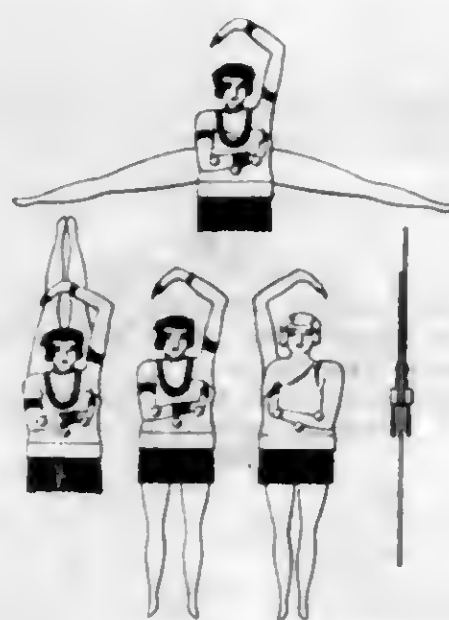


The ornamental design for a pair of spectacles or similar article, as shown.

168,912

COMBINED COAT HANGER AND BRUSH

William B. Schaefer, Cincinnati, Ohio
Application December 10, 1952, Serial No. 22,611
Term of patent 14 years
(Cl. D80-8)

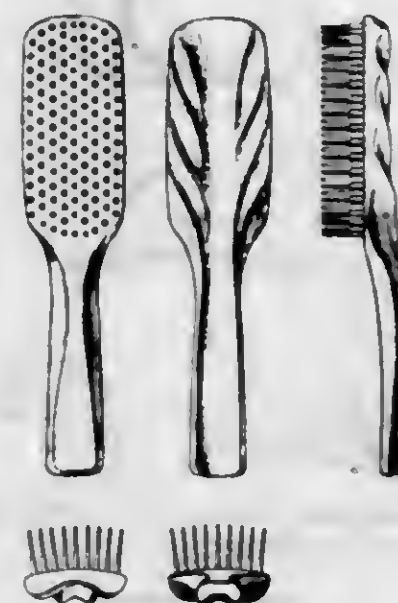


The ornamental design for a combined coat hanger and brush, as shown.

168,913

HAIRBRUSH OR SIMILAR ARTICLE

Austin B. Snyder, Toledo, Ohio, assignor to Owens Brush Company, Toledo, Ohio, a corporation of Ohio
Application July 10, 1952, Serial No. 20,537
Term of patent 14 years
(Cl. D86-10)

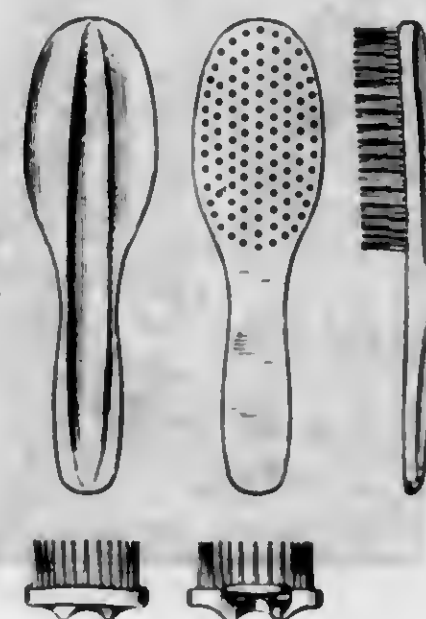


The ornamental design for a hairbrush or similar article, as shown.

168,914

HAIRBRUSH OR SIMILAR ARTICLE

Austin B. Snyder, Toledo, Ohio, assignor to Owens Brush Company, Toledo, Ohio, a corporation of Ohio
Application July 10, 1952, Serial No. 20,538
Term of patent 14 years
(Cl. D86-10)

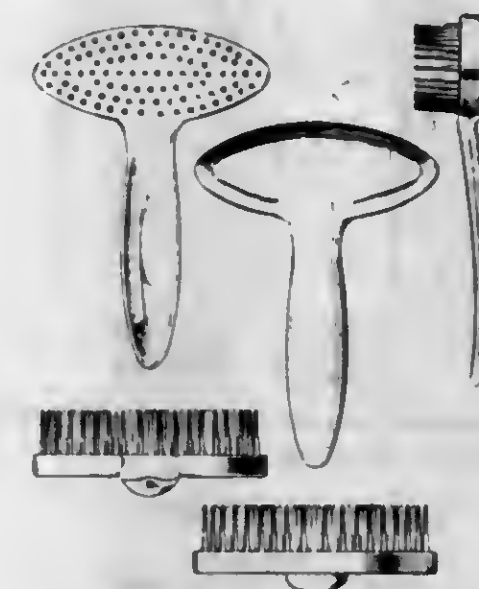


The ornamental design for a hairbrush or similar article, as shown.

168,915

HAIRBRUSH OR SIMILAR ARTICLE

Austin B. Snyder, Toledo, Ohio, assignor to Owens Brush Company, Toledo, Ohio, a corporation of Ohio
Application July 10, 1952, Serial No. 20,539
Term of patent 14 years
(Cl. D86-10)

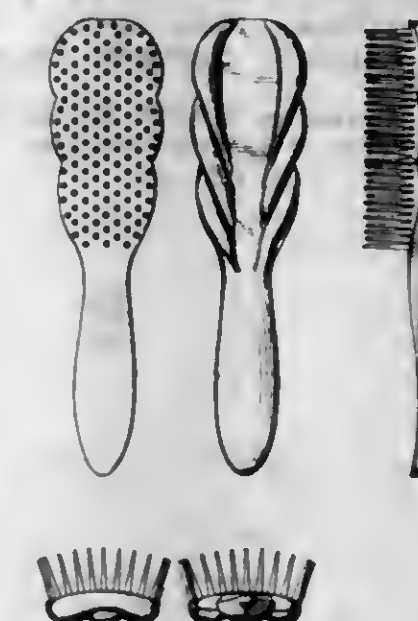


The ornamental design for a hairbrush or similar article, as shown.

168,916

HAIRBRUSH OR SIMILAR ARTICLE

Austin B. Snyder, Toledo, Ohio, assignor to Owens Brush Company, Toledo, Ohio, a corporation of Ohio
Application July 10, 1952, Serial No. 20,540
Term of patent 14 years
(Cl. D86-10)



The ornamental design for a hairbrush or similar article, as shown.

168,917

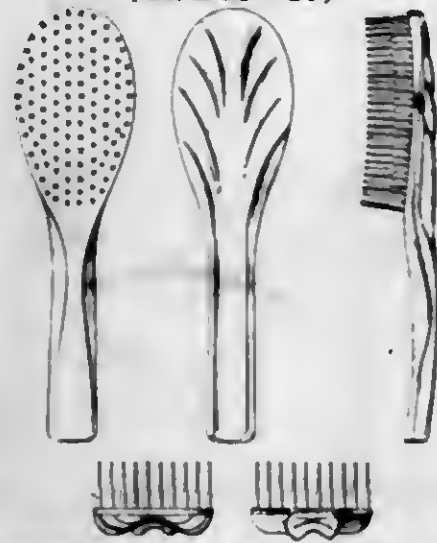
HAIRBRUSH OR SIMILAR ARTICLE

Austin B. Snyder, Toledo, Ohio, assignor to Owens Brush Company, Toledo, Ohio, a corporation of Ohio

Application October 18, 1952, Serial No. 21,884

Term of patent 14 years

(Cl. D86-10)



The ornamental design for a hairbrush or similar article, as shown.

168,918

SPECTACLE FRAME

Fred Stoesser, Madison, N. J., assignor to Frank

Kremetz Company, Newark, N. J.

Application December 19, 1952, Serial No. 22,766

Term of patent 7 years

(Cl. D57-1)



The ornamental design for a spectacle frame, substantially as shown and described.

168,919

APPLIQUE OR THE LIKE

Richard G. Williams, Palm Springs, Calif., assignor to Ralph L. Nafziger, Palm Springs, Calif.

Application November 3, 1951, Serial No. 17,244

Term of patent 14 years

(Cl. D3-9)



The ornamental design for an applique or the like, substantially as shown.

168,920

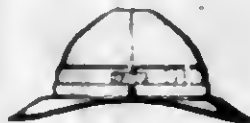
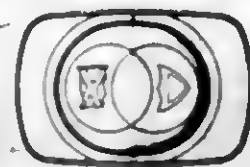
HAT

Edward Wittcoff, University City, Mo., assignor to Caradine Hat Company, St. Louis, Mo., a corporation of Missouri

Application March 19, 1952, Serial No. 18,956

Term of patent 14 years

(Cl. D3-13)



The ornamental design for a hat, substantially as shown and described.

168,921

TABLECLOTH

William Wolf, Philadelphia, Pa., assignor to

Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 26, 1952, Serial No. 22,466

Term of patent 14 years

(Cl. D92-26)



The ornamental design for a tablecloth, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

- A/S S.E. Albertus, Copenhagen, Denmark. Cheese. Serial No. 635,623-6, Feb. 24. Class 46.
- Abbott Laboratories, North Chicago, Ill. Sublingual medications. Serial No. 632,060, Feb. 24. Class 18.
- Aerodyne Corporation, Detroit, Mich. Dust separators. Serial No. 600,245, Feb. 24. Class 23.
- Albany Billiard Ball Company, Albany, N. Y. Billiard balls. Serial No. 587,226, Feb. 24. Class 22.
- American Brands Company: See—
Pressner, Samuel.
- American Colortype Company, Chicago, Ill. Trade publications. Serial No. 594,514, Feb. 24. Class 38.
- American Cystoscope Makers, Inc., New York, N. Y. Pharyngoscopes and components thereof. Serial No. 632,342, Feb. 24. Class 44.
- American Cystoscope Makers, Inc., New York, N. Y. Endoscopic instruments. Serial No. 632,344, Feb. 24. Class 44.
- American Institute of Electrical Engineers, New York, N. Y. Monthly periodical. Serial No. 633,954, Feb. 24. Class 38.
- American Instrument Company, Inc., Silver Spring, Md. Hygrometers. Serial No. 630,109, Feb. 24. Class 26.
- American Stores Company, Philadelphia, Pa. Bacon. Serial No. 590,956, Feb. 24. Class 46.
- Amphitrite Marine Company: See—
Photodis, E. J.
- Anderson, Clayton & Co., Houston, Tex. Infants' blankets. Serial No. 625,238-9, Feb. 24. Class 42.
- Anderson, Clayton & Co., Houston, Tex. Infants' blankets. Serial No. 625,243, Feb. 24. Class 42.
- Arkwright, Incorporated, New York, N. Y. Radio and television receiving sets, electric irons, electric toasters, etc. Serial No. 629,713, Feb. 24. Class 21.
- Armour and Company, doing business under the trade style Armour Creameries, Chicago, Ill. Frozen turkeys. Serial No. 625,935, Feb. 24. Class 46.
- Armour Creameries: See—
Armour and Company.
- Arnold, Schwin & Co., Chicago, Ill. Bicycles and parts thereof. Serial No. 588,564, Feb. 24. Class 19.
- Ascher, B. F., & Company, Inc., Kansas City, Mo. Medicinal preparation. Serial No. 630,148, Feb. 24. Class 18.
- Atlantic Clothing Co., Inc., New York, N. Y. Men's and boys' suits, topsuits, overcoats, etc. Serial No. 618,281, Feb. 24. Class 30.
- Atlantic Packing Company: See—
Consolidated Rendering Company.
- Avila Fabrics, Inc., New York, N. Y. Textile fabric. Serial No. 630,304, Feb. 24. Class 42.
- B-K Products, Los Angeles and Inglewood, Calif. Adhesives. Serial No. 622,981, Feb. 24. Class 31.
- Bagdasarian, Richard & Co., Thermal, Calif. Fresh grapes. Serial No. 633,408, Feb. 24. Class 46.
- Bakers Associates Incorporated, Chicago, Ill. Bread. Serial No. 558,341, Feb. 24. Class 46.
- Balm-of-Gilead Salve Co.: See—
Tyler, Maybry E.
- Bancroft, Joseph, & Sons Co., Wilmington, Del. Fabrics. Serial No. 613,394, Feb. 24. Class 42.
- Baroness Blouse, Inc., New York, N. Y. Ladies' and misses' blouses and jackets. Serial No. 627,243, Feb. 24. Class 39.
- Batlin, L., & Son, Inc., New York, N. Y. Cigarette and cigar lighters and parts thereof. Serial No. 632,352, Feb. 24. Class 8.
- Beacon Corporation, Chicago, Ill. Indoor television antennas. Serial No. 627,095, Feb. 24. Class 21.
- Beauvelt Mills, Inc., New York, N. Y. Novelty synthetic yarns. Serial No. 637,103, Feb. 24. Class 43.
- Beautiflex, Inc., Los Angeles, Calif. Dryer-chair combination. Serial No. 612,724, Feb. 24. Class 44.
- Bushman Instruments, Inc., South Pasadena, Calif. Unitary apparatus for performing titrations. Serial No. 625,394, Feb. 24. Class 26.
- Bendix Aviation Corporation, Detroit, Mich. Combined loud-speaker and amplifier units. Serial No. 622,525, Feb. 24. Class 21.
- Bendix Aviation Corporation, assignee: See—
Northrup Aircraft, Inc.
- Berlant Associates, Los Angeles, Calif. Magnetic tape sound recording machines. Serial No. 616,541, Feb. 24. Class 21.
- Berl, C. J., & Co., Portage, Wis. Cheese. Serial No. 629,148, Feb. 24. Class 46.
- Bost & Co., Inc., New York, N. Y. Wearlog apparel. Serial No. 611,500, Feb. 24. Class 39.
- Better Products Co., Portland, Oreg. French dressing, sweet pickles, sandwich spread, etc. Serial No. 620,280, Feb. 24. Class 46.
- Betz, Louis J., doing business as D'Fransola Laboratories, Los Angeles, Calif. Medicinal preparation. Serial No. 633,443, Feb. 24. Class 18.
- Birmingham Paper Company, Birmingham, Ala. Glue and library and school paste. Serial No. 622,006, Feb. 24. Class 5.
- Bodine, William L., Elyria, Ohio. Clothesline or laundry supporting equipment. Serial No. 623,179, Feb. 24. Class 24.
- Boehme, H.O., Inc., New York, N. Y. Communication and signaling devices. Serial No. 628,841, Feb. 24. Class 21.
- Boerleke & Runyon, Inc., New York, N. Y. Tablets for use in the treatment of arterio-sclerosis. Serial No. 614,810, Feb. 24. Class 18.
- Howen, Hardy J., doing business as Industrial Models, Arden, Del. Industrial and domestic models, namely, scale models. Serial No. 589,825, Feb. 24. Class 26.
- Bratender Corporation, Rochelle Park, N. J. Machines which test and record upon charts texture of bread dough. Serial No. 618,147, Feb. 24. Class 26.
- Breck, John H., Inc., Springfield, Mass. Soap shampoo, baby skin soaps, etc. Serial No. 584,217, Feb. 24. Class 32.
- Breck, John H., Inc., Springfield, Mass. Hair creams, hair dressings, and hair oils. Serial No. 584,965, Feb. 24. Class 31.
- Bridgeport Brass Company, Bridgeport, Conn. Under-arm deodorant. Serial No. 619,008, Feb. 24. Class 31.
- Bristol-Myers Company, New York, N. Y. Face cream. Serial No. 611,636, Feb. 24. Class 31.
- Burke Golf Equipment Corporation, Newark, Ohio. Golf clubs, golf balls, golf bags, etc. Serial No. 627,803, Feb. 24. Class 22.
- Burke Golf Equipment Corporation, Newark, Ohio. Golf clubs, golf balls, golf bags, etc. Serial No. 627,805, Feb. 24. Class 22.
- Burke Golf Equipment Corporation, Newark, Ohio. Golf balls and golf clubs. Serial No. 630,382, Feb. 24. Class 22.
- Burdoy Engineering Company, Inc., New York, N. Y. Electrical connectors. Serial No. 622,924, Feb. 24. Class 21.
- Burnham Corporation, conducting a departmental business under the name of Lord & Burnham, Irvington-on-Hudson, N. Y. Sash regulator. Serial No. 611,340, Feb. 24. Class 26.
- Capitol Projector Corporation, New York, N. Y. Electrically operated coin controlled moving picture projectors. Serial No. 598,980, Feb. 24. Class 28.
- Carey Electronic Engineering Company: See—
Carey, Reese M.
- Carey, Reese M., doing business as Carey Electronic Engineering Company, Springfield, Ohio. Air filters. Serial No. 593,161, Feb. 24. Class 31.
- Carnation Company, Los Angeles, Calif. Dairy products. Serial No. 621,130, Feb. 24. Class 46.
- Central Soya Company, Inc., Fort Wayne, Ind. Enriched hog feed. Serial No. 621,200, Feb. 24. Class 46.
- Chattanooga Pharmacal Co., Inc., Chattanooga, Tenn. Therapeutic steam packs. Serial No. 622,428, Feb. 24. Class 44.
- Chef-Way, Inc., Kansas City, Mo. Coin controlled, electrically operated vending machines. Serial No. 603,662, Feb. 24. Class 23.
- Chef-Way, Inc., Kansas City, Mo. Coin controlled, electrically operated vending machines. Serial No. 603,664, Feb. 24. Class 23.
- China Doll Company: See—
Hutchings, Norman W., Sr., and Norman W. Hutchings, Jr.
- Clarite Battery, Inc., Salt Lake City, Utah. Electric storage batteries and component parts thereof. Serial No. 624,174, Feb. 24. Class 21.
- Coake, Charles F., New Augusta, Ind. Hand operated electric drills. Serial No. 621,866, Feb. 24. Class 21.
- Commercial Solvents Corporation, New York, N. Y. Pharmaceuticals and in particular antibiotics. Serial No. 616,367, Feb. 24. Class 18.
- Conserves Hero Leobourg, Niederlenzer Kirchweg, Leobourg, Switzerland. Conserved fruits and vegetables; fruit marmalades and jams, etc. Serial No. 634,241, Feb. 24. Class 46.
- Consolidated Rendering Company, also doing business as Atlantic Packing Company, Boston, Mass. Soap, grease for soap-making, and a base material. Serial No. 610,005, Feb. 24. Class 32.
- Cooperativa Cafeteros de Puerto Rico, Ponce, P. R. Coffee. Serial Nos. 630,058-60, Feb. 24. Class 46.
- Cooperativa Cafeteros de Puerto Rico, Ponce, P. R. Coffee. Serial No. 630,666, Feb. 24. Class 46.
- Corporacion Argentina de Productores de Carne, New York, N. Y. Canned corned beef, canned corned tongue, canned corned pork, etc. Serial No. 612,641, Feb. 24. Class 46.

Crocker Laboratories, Inc., New York, N. Y. Enzymic-vitamin combination. Serial No. 620,336, Feb. 24. Class 18.

Cummins Engine Company, Inc., Columbus, Ind. Internal combustion engines and parts thereof. Serial No. 628,836, Feb. 24. Class 23.

Dallin, David, New York, N. Y. Heat exchangers. Serial No. 626,783, Feb. 24. Class 34.

Day, J. H., Company, Incorporated, The, Cincinnati, Ohio. Bakery equipment. Serial No. 613,123, Feb. 24. Class 23.

Delber, Emer R., Laguna Beach, Calif. Playing cards. Serial No. 621,900, Feb. 24. Class 22.

Demuth, R., Limited, Farnham, Surrey, England. Solid toilet water. Serial No. 603,611, Feb. 24. Class 31.

Des Moines Co-Operative Dairy, Des Moines, Iowa. Butter and other dairy products. Serial No. 615,888, Feb. 24. Class 46.

Devos & Reynolds Company, Inc., New York, N. Y. Wall-papers. Serial No. 632,600, Feb. 24. Class 37.

D'Franklin Laboratories, Inc., Sec—

Detz, Luis J.

Dickinson, Hecton, and Company, Hutherford, N. J. Specimen tube combination. Serial No. 632,354, Feb. 24. Class 44.

Di Mare Bros., Boston and South Boston, Mass. Whole, fresh tomatoes, shelled and unshelled nuts. Serial No. 624,131, Feb. 24. Class 46.

Dixie-Portland Flour Co., Memphis, Tenn., doing business as The Plant Flour Mills, Arkansas City, Kans. Wheat flour. Serial No. 571,604, Feb. 24. Class 46.

Donovan Enterprises, Saugatuck, Conn. Suspensory. Serial No. 620,025, Feb. 24. Class 44.

Dougherty, Videll, doing business under the style and title of Polly-Dell Textile Stencils, Glasco, Kans. Serial No. 632,115, Feb. 24. Class 37.

Dovel, I. N., Co., Inc., Luray, Va. Canned fruits and vegetables. Serial No. 634,399, Feb. 24. Class 46.

Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Metal carbides, particularly calcium carbide. Serial No. 633,813, Feb. 24. Class 6.

Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Perchloroethylene, and solvent mixtures. Serial No. 633,816, Feb. 24. Class 6.

Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Polyvinyl alcohol. Serial No. 633,818, Feb. 24. Class 6.

Dreudling Brothers Company, Philadelphia, Pa. Chamolix skin. Serial No. 628,147, Feb. 24. Class 1.

Du Bois Co., Inc., The, assignee: Sec—

Du Bois Company, The.

Du Bois Company, The, assignor to The Du Bois Co., Inc., Cincinnati, Ohio. Liquid detergent preparation. Serial No. 616,506, Feb. 24. Class 32.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Rubber aqueous, spotting brushes, coloring brushes, etc. Serial No. 637,174, Feb. 24. Class 20.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. General industrial arts solvents. Serial No. 638,410, Feb. 24. Class 6.

Edmonds, Francis, doing business under the name King Frozen Foods, Los Angeles, Calif. Frozen okra. Serial No. 635,528, Feb. 24. Class 46.

Eller, Marlin, Deerfield Beach, Fla. Combination clearing and cultivating farm implement. Serial No. 615,374, Feb. 24. Class 23.

Elmer Candy Company, New Orleans, La. Cereal food products. Serial No. 632,080, Feb. 24. Class 46.

Enclaco, Salvador T., doing business under the firm name and style of Snow-Cone Raspadia Co., Los Angeles, Calif. Food product. Serial No. 588,830, Feb. 24. Class 40.

Ereona Camera Corporation, New York, N. Y. Photographic lenses. Serial No. 630,320, Feb. 24. Class 26.

Erwin Pharmaceuticals, Inc., Chicago, Ill. Nose drops. Serial No. 633,353, Feb. 24. Class 18.

Essential Chemicals Co., Milwaukee, Wis. Chemical compound. Serial No. 624,681, Feb. 24. Class 52.

Essie Mae: Sec—

McCrae, Carrie.

Etc., Inc., Miles, Mich., assignee of E. P. Larsh, doing business as Newport Ships, Not Inc. Magnetic pressure switches. Serial No. 614,088, Feb. 24. Class 21.

Faber, A. W., Inc.: Sec—

A. W. Faber-Castell Pencil Company, Incorporated.

Faber-Castell, A. W. Pencil Company, Incorporated, Newark, N. J., by change of name from A. W. Faber Inc. Lead pencils, crayons, ink pencils, etc. Serial No. 520,098, Feb. 24. Class 37.

Farmfabrik Rayer, Leverkusen-Hayerwerk, Germany. Chemotherapeutic agent. Serial No. 638,952-3, Feb. 24. Class 18.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Electronic equipment—namely, electronic heterodyne frequency meters. Serial No. 619,205, Feb. 24. Class 28.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. Serial No. 593,341, Feb. 24. Class 37.

Foto Koch: Sec—

Koch, Carl.

Funderburg, O. O., doing business, or trading, as Nugul Chemical Co., Wichita Falls, Tex. Anti-freeze preparations. Serial Nos. 632,246-7, Feb. 24. Class 6.

General Motors Corporation, Detroit, Mich. Accessory devices used with internal combustion engines—namely, air cleaners, etc. Serial No. 620,206, Feb. 24. Class 23.

General Sales Corporation, assignor to Superdisplay, Incorporated, Milwaukee, Wis. Dry food product paper and cardboard boxes. Serial No. 609,175, Feb. 24. Class 2.

Gidding, Joseph M., New York, N. Y. Candy. Serial No. 613,910, Feb. 24. Class 46.

Glengyle Knitting Mills, Inc., Newark, N. J. Children's knit outerwear. Serial No. 617,247, Feb. 24. Class 39.

Gloekler, H., Associates, Inc., New York, N. Y. Chewing gum. Serial No. 618,026, Feb. 24. Class 46.

Golden State Brush Company, North Hollywood, Calif. Paint brushes. Serial No. 630,264, Feb. 24. Class 29.

Graflex, Inc., Rochester, N. Y. Photographic equipment, and/or photographic accessories and/or photographic supplies. Serial No. 607,384, Feb. 24. Class 26.

Great Northern Map Company: Sec—

Warren, O. F.

Had-A-Mouse Co.: Sec—

Henry, Lawrence A.

Health Guardian Corporation, Chicago, Ill., and Monroe, Wis. Electrical signaling device. Serial No. 631,056, Feb. 24. Class 21.

Heath Ceramics, Sausalito, Calif. Stoneware. Serial No. 598,852, Feb. 24. Class 30.

Henkel, Leonard H., Oak Park, Mich. Artificial fish lures. Serial No. 633,671, Feb. 24. Class 22.

Henry, Lawrence A., doing business as Had-A-Mouse Co., Decatur, Ill. Rodenticides. Serial No. 623,052, Feb. 24. Class 6.

Hillcrest Hosiery Mills, Inc., New York, N. Y. Piece goods. Serial No. 623,601, Feb. 24. Class 42.

Hilltop Farm Feed Co., Minneapolis, Minn. Egg mash. Serial No. 605,743, Feb. 24. Class 46.

Hobbs Manufacturing Company, Fort Worth, Tex. Truck trailers, bodies, and parts thereof. Serial No. 621,462, Feb. 24. Class 19.

Hoffmann-La Roche Inc., Nutley, N. J. Antibacterial preparation. Serial No. 638,418, Feb. 24. Class 18.

Holland Color and Chemical Company, Holland, Mich. Chemical colors. Serial Nos. 631,738-9, Feb. 24. Class 40.

Hollins, William, & Company Limited, Nottingham, England. Sheets, pillowcases, textile rugs, etc. Serial No. 612,913, Feb. 24. Class 42.

Hopf, Paul, doing business as Hopf, Ringeb & Co., Berlin, Germany. Abrasive disks and abrasive strips used by dentists. Serial No. 632,650, Feb. 24. Class 44.

Hopf Ringeb & Co.: Sec—

Hopf, Paul.

Hudnut, Richard, New York, N. Y. Creme rinse. Serial No. 634,328, Feb. 24. Class 51.

Huff, Floyd A., doing business as Hufson Cosmetic Company, Mansfield, Ohio. Hair dressings. Serial No. 587,680, Feb. 24. Class 51.

Hufson Cosmetic Company: Sec—

Huff, Floyd A.

Hunter Douglas Corporation, New York, N. Y. Venetian blinds. Serial No. 630,414, Feb. 24. Class 32.

Huxar, Kalman Z., Foster, Ohio. Slug shots. Serial No. 622,040, Feb. 24. Class 22.

Hutchings, Norman W., Jr.: Sec—

Hutchings, Norman W., Sr., and N. W. Hutchings, Jr. doing business under the name China Doll Company, Mobile, Ala. Rice. Serial No. 603,147, Feb. 24. Class 46.

Industrial Models: Sec—

Bowen, Hardy J.

International Paper Company, New York, N. Y. Kraft paperboard. Serial No. 632,564, Feb. 24. Class 37.

Jackson-Mitchell Pharmaceuticals, Inc., Los Angeles, Calif. Colloid laxative. Serial No. 612,348, Feb. 24. Class 18.

Jacobs Bros.: Sec—

Jacobs, S. Joe.

Jacobs, R., Inc., Philadelphia, Pa. Men's formal clothing. Serial No. 633,366, Feb. 24. Class 30.

Jacobs, S. Joe, doing business under the name and style of Jacobs Bros., Philadelphia, Pa. Gauge for setting and adjusting thermostatic controls. Serial No. 614,780, Feb. 24. Class 26.

Jerclaydon, Inc., Miami Beach, Fla. Cleaning composition. Serial No. 622,302, Feb. 24. Class 52.

Kellogg, B. R., Advertising Services, Inc., Los Angeles, Calif. Printed tags, tabs, and labels. Serial No. 627,687, Feb. 24. Class 38.

Kessler Luggage Manufacturing Corp., New York, N. Y. Fabric traveling bag. Serial No. 617,019, Feb. 24. Class 3.

King Frozen Foods: Sec—

Edmonds, Francis.

King Midas Feed Mills: Sec—

Van Dusen, Harrington, Company.

Koch, Carl, doing business as Foto Koch, Schaffhausen, Switzerland. Photographic apparatus. Serial No. 627,071, Feb. 24. Class 26.

Kovacs, Louis, doing business as Kovax Products, New York, N. Y. Men's and women's belts. Serial No. 632,481, Feb. 24. Class 39.

Kovax Products: Sec—

Kovacs, Louis.

Laher Spring and Tire Corporation, Oakland, Calif. Automobile and truck batteries. Serial No. 621,620, Feb. 24. Class 21.

Lally, R. Co., Evanston, Ill. Powdered wax. Serial No. 607,757, Feb. 24. Class 6.

Lambert Company, The, Jersey City, N. J., by merger of Prophy-lactic Brush Company, Tooth brushes. Serial No. 614,002, Feb. 24. Class 29.

Lanak-Rochl Mfg. Co., Minneapolis, Minn. Ink marking pens. Serial No. 632,380, Feb. 24. Class 37.

La Peer Products Co.: Sec—

Mayhoff, Mordecai N.

Larsh, Everett P.: Sec—

Etc., Inc.

La Rue, Morey, Laundry Co., Elizabeth, Morristown, Ashbury Park, N. J., Staten Island, N. Y., and Easton, Pa. Cleaning and treating blankets to render them moth repellent. Serial No. 508,748, Feb. 24. Class 103.

Lauder Company, The, Thomson, Ga. Partially printed forms. Serial No. 610,131, Feb. 24. Class 37.

Lauder Company, The, Thomson, Ga. Partially printed forms. Serial No. 610,853, Feb. 24. Class 37.

Lender Manufacturing Co., St. Louis, Mo. Purse. Serial No. 625,072, Feb. 24. Class 3.

Lekrolite Corporation, New York, N. Y. Cigarette case and lighter combination. Serial No. 621,074, Feb. 24. Class 8.

Lenderink & Co. N. V., Schiedam, Netherlands. Egg white substitutes (proteinaceous whipping agents). Serial No. 622,338, Feb. 24. Class 46.

Light Products, Inc., Beverly Hills, Calif. Flashing warning and beacon lights. Serial No. 610,858, Feb. 24. Class 21.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 639,319, Feb. 24. Class 18.

Lindemann, Maximo, Buenos Aires, Argentina. Stockings, gloves, slips, etc. Serial No. 606,154, Feb. 24. Class 30.

Lord & Burnham: Sec—

Burnham Corporation.

Lubrication Engineers, Inc., Fort Worth, Tex. Graphited roller lubricants, gear lubricants, wheel bearing lubricants, etc. Serial No. 634,743, Feb. 24. Class 15.

Lyons, Claude L., London, England. Ordinary playing cards and games played with playing cards. Serial No. 617,448, Feb. 24. Class 22.

Magnetic Merchandising, Inc., New York, N. Y. Magnetic pencil holders and bulletin board assemblies. Serial No. 590,902, Feb. 24. Class 37.

Mall Pouch Tobacco Co., Wheeling, W. Va. Eyeglasses. Serial No. 633,150, Feb. 24. Class 26.

Mann, Earle H.: Sec—

Vick, Lester J., and Earle H. Mann.

Marline Optical Manufacturing Co., Boston, Mass. Optical frames. Serial No. 624,606, Feb. 24. Class 26.

Martin & Schwartz, Inc., Salisbury, Md., assignor to The Wayne Pump Company. Internal combustion engine fuel and lubricant dispensing pumps. Serial No. 619,630, Feb. 24. Class 20.

Massachusetts Mattress Company, Boston, Mass. Sofa beds and studio couches. Serial No. 622,160, Feb. 24. Class 32.

Master Rule Manufacturing Co., Inc., Middletown, N. Y. Wood folding rules. Serial No. 633,939, Feb. 24. Class 26.

Mayhoff, Mordecai N., doing business as La Peer Products Co., Los Angeles, Calif. Material in the form of a cream or paste for use as cleansers and polishes. Serial No. 601,111, Feb. 24. Class 51.

McCall Corporation, New York, N. Y. Department section, or feature in a magazine. Serial No. 633,041, Feb. 24. Class 38.

McClure, Helen S., New York, N. Y. Pads for removing nail polish. Serial No. 637,282, Feb. 24. Class 29.

McCrae, Carrie, trading as Essie Mae, Elizabeth, N. J. Hand lotion, a hair cream, a hair pomade, etc. Serial No. 629,806, Feb. 24. Class 51.

Men Insulator Company, Schenectady, N. Y. Electrical insulating materials and supplies and electrical insulators. Serial No. 630,080, Feb. 24. Class 21.

Midland Electric Manufacturing Company Limited, Tynesley, Birmingham, England. Electrical apparatus. Serial No. 614,157, Feb. 24. Class 21.

Midwest Biscuit Company, Burlington, Iowa. Cookies, crackers, macaroni, etc. Serial No. 633,206, Feb. 24. Class 46.

Miron Mills, Inc., Clinton, Mass. Wool fabrics. Serial No. 636,302, Feb. 24. Class 42.

Monsanto Chemical Company, St. Louis, Mo. Anti-freeze solutions. Serial No. 632,531, Feb. 24. Class 40.

Motomura, Inc., New York, N. Y. Insecticides and rodenticides. Serial No. 638,150, Feb. 24. Class 6.

Mould-Tech Research Laboratories, Inc., New York, N. Y. Impression material and other related materials for use in dentistry. Serial No. 622,040, Feb. 24. Class 44.

N. V. Servo-Balans, The Hague, Netherlands. Scales and automatic weighing, tolling, and recording machines and their parts. Serial No. 619,165, Feb. 24. Class 26.

Naco Manufacturing Co., Huntington Park, Calif., assignor, by license assignment, to Root Manufacturing Co., Malts, Ohio. Hand and power-operated dusters and sprayers. Serial No. 571,911, Feb. 24. Class 23.

Natvar Corporation, Woodbridge, N. J. Electrical insulating sheet material. Serial No. 627,401, Feb. 24. Class 21.

Naxon Utilities Corporation, Chicago, Ill. Electric wringers, hand-operated wringers, and electric washing machines. Serial No. 633,464, Feb. 24. Class 24.

New Holland Machine Company, New Holland, Pa. Farm machinery. Serial No. 577,443, Feb. 24. Class 23.

Newport Ships, Not Inc.: Sec—

Etc., Inc.

Nopco Chemical Company, Harrison, N. J. Vitamin D concentrates. Serial No. 620,180, Feb. 24. Class 18.

Northrop Aircraft, Inc., Hawthorne, Calif., assignor to Bendix Aviation Corporation, New York, N. Y. Electronic computers and parts thereof. Serial No. 609,413, Feb. 24. Class 26.

Northwest Chemical Co., Inc., Detroit, Mich. Metal cleaning compound. Serial No. 622,554, Feb. 24. Class 52.

Norton, John, Co.: Sec—

Norton, John J.

Norton, John J., doing business under the firm name and style of John Norton Co., New York, N. Y. Horse racing game. Serial No. 633,505, Feb. 24. Class 22.

Nugul Chemical Co.: Sec—

Funderburg, O. O.

Olin Industries, Inc., East Alton, Ill. Cigar and cigarette lighters. Serial No. 625,367, Feb. 24. Class 8.

Olympia Höfemaschinenwerke A. G., Wilhelmshaven, Germany. Typewriters and parts thereof. Serial No. 624,520, Feb. 24. Class 23.

Orchard Paper Co., St. Louis, Mo. Merchandise wrapping paper. Serial No. 625,489, Feb. 24. Class 37.

Original Handbag Co., New York, N. Y. Ladies' handbags and pocketbooks. Serial No. 592,159, Feb. 24. Class 3.

Otto Elevator Company, New York, N. Y. Vehicular chassis dynamometers. Serial No. 564,735, Feb. 24. Class 26.

Packard Motor Car Company, Detroit, Mich. Fabric cleaner, cleaner for removing dirt and other foreign matter. Serial No. 570,118, Feb. 24. Class 52.

Park Brothers, Inc., Milwaukee, Wis. Interior and exterior paints. Serial No. 563,869, Feb. 24. Class 16.

Patterson Parchment Paper Company, Bristol, Pa. Translucent and transparent types of parchment tracing papers. Serial No. 624,702, Feb. 24. Class 37.

Penick, S. B., & Company, New York, N. Y. Bulk perfume compounds. Serial No. 630,207-8, Feb. 24. Class 6.

Pennsylvania Industrial Chemical Corporation, Claiton, Pa. Synthetic resins. Serial No. 631,174, Feb. 24. Class 6.

Pennsoll Company, The, Los Angeles, Calif. Compound for use as a motor fuel additive and as a cleaner. Serial No. 621,633, Feb. 24. Class 32.

Photolids, F. J., trading and doing business under the name of Amphitrite Marine Company, Tokyo, Japan. Sail boats, ice boats, cruisers, etc. Serial No. 611,331, Feb. 24. Class 19.

Plant Flour Mills, The: Sec—

Dixie-Portland Flour Co.

Polly-Dell Textile Stencils: Sec—

Dougherty, Videll.

Pressner, Samuel, doing business as American Brands Company, Richmond, Va. Household bleach. Serial No. 633,871, Feb. 24. Class 52.

Proctor & Gamble Company, The, Cincinnati, Ohio. Edible vegetable oil. Serial No. 635,551, Feb. 24. Class 46.

Prophy-lactic Brush Company: Sec—

Lambert Company, The.

Purdue Frederick Company, The, New York, N. Y. Therapeutic vaginal cream. Serial No. 630,021, Feb. 24. Class 18.

Rayflex Fabrics, Inc., New York, N. Y. Woven elastic fabrics. Serial No. 630,702, Feb. 24. Class 42.

Rice Growers Association of California, Sacramento, Calif. Rice. Serial No. 625,492, Feb. 25. Class 46.

Rival Manufacturing Company, Kansas City, Mo. Hand-operated food mixers, beaters, and whippers. Serial No. 627,901, Feb. 24. Class 23.

Roger Macon, Vanves, France. Dentrifices. Serial No. 582,438, Feb. 24. Class 51.

Root Manufacturing Co., assignee: Sec—

Naco Manufacturing Co.

Rootie Kaxootle, Inc., New York, N. Y. Lead pencils. Serial No. 628,221, Feb. 24. Class 37.

San Fernando Heights Orange Association, San Fernando, Calif. Fresh citrus fruits. Serial No. 634,992, Feb. 24. Class 46.

Scherling Corporation, Moonfield, N. J. Pharmaceutical preparation. Serial No. 630,032, Feb. 24. Class 18.

Schreiber, Arthur T., Louisville, Ky. Medicinal preparation. Serial No. 633,513, Feb. 24. Class 18.

Seal Rite Caulking Company, Inc., Detroit, Mich. Caulking compounds. Serial No. 630,350, Feb. 24. Class 12.

Selmschneider, H. A., Company, The, Cincinnati, Ohio. Men's light weight formal suits. Serial No. 633,790, Feb. 24. Class 30.

Servo Corporation of America, New Hyde Park, N. Y. Universal mounting means—namely a stand specially adapted for mounting testing apparatus. Serial No. 592,005, Feb. 24. Class 26.

Shore Chemical Company, Incorporated, Madison, Conn. Medicinal preparation. Serial No. 633,636, Feb. 24. Class 18.

Singer Manufacturing Company, The, Elizabeth, N. J. Petroleum derivatives for use in cleaning metallic machine elements. Serial No. 630,159, Feb. 24. Class 52.

Singer Manufacturing Company, The, Elizabeth, N. J. Dress forms and dress form stands. Serial No. 630,167, Feb. 24. Class 30.

Singer Manufacturing Company, The, Elizabeth, N. J. Dress forms and dress form stands. Serial No. 628,577, Feb. 24. Class 30.

Singer Manufacturing Company, The, Elizabeth, N. J. Lubricating oil and greases. Serial No. 630,220, Feb. 24. Class 15.

Snow-Cone-Raspada Co.: See—
Enclaco, Salvador T.

Societe a Responsabilite Limitee: Le Teleampliphone, Paris, France. Voice communicating systems between stations. Serial No. 621,587, Feb. 24. Class 21.

Society Brand Clothes, Inc., Chicago, Ill. Overcoats and topcoats. Serial No. 619,481, Feb. 24. Class 39.

Society for Visual Education, Inc., Chicago, Ill. Projector. Serial No. 632,275, Feb. 24. Class 26.

Solvay & Cie, Brussels, Belgium. Soda ash and bicarbonate of soda, caustic soda, trichloroethylene, etc. Serial No. 624,108, Feb. 24. Class 6.

Spencer Chemical Company, Kansas City, Mo. Weed killer. Serial No. 638,219, Feb. 24. Class 4.

Springfield Coated Paper Corp., Camden, N. J., and New York, N. Y. Coated paper. Serial No. 630,226, Feb. 24. Class 37.

Standard Cap and Seal Corporation, Chicago, Ill., now by change of name, Standard Packaging Corporation. Coated drab paper. Serial No. 598,120, Feb. 24. Class 37.

Standard Packaging Corporation: See—
Standard Cap and Seal Corporation.

Stevens, J. P. & Co., Inc., New York, N. Y. Sheets and pillow-cases. Serial No. 631,326, Feb. 24. Class 42.

Stig Lars Fredrik Eklund, Gothenburg, Sweden. Apparatus and appliances for vaporizing liquid disinfectants and like substances into the air. Serial No. 595,714, Feb. 24. Class 23.

Strong Electric Corporation, The, Toledo, Ohio. Electric projection lamps, electric rectifiers, and parts thereof. Serial No. 583,559, Feb. 24. Class 21.

Superdisplay, Incorporated, assignee: See—
General Sales Corporation.

Tabril Company, The, Philadelphia, Pa. Preparation for use as an aid in the relief from pain and discomfort of simple headaches, etc. Serial No. 610,303, Feb. 24. Class 18.

Tested Appliance Company, Chicago, Ill. Filter. Serial No. 577,409, Feb. 24. Class 31.

Theobald Industries, The, Kearny, N. J. Preparation for cleaning the hands. Serial No. 606,823, Feb. 24. Class 4.

Tracy, John D., New York, N. Y. Political publication. Serial No. 633,518, Feb. 24. Class 38.

Triad Transformer Mfg. Co., Los Angeles, Calif. Geophysical transformers. Serial No. 598,618, Feb. 24. Class 21.

Trianco Limited, East Molesey, Surrey, England. Metal telescopic centering devices used in laying concrete floors or the like. Serial No. 625,497, Feb. 24. Class 12.

Tyler, Maybra E., doing business as Halm-of-Gilead Salve Co., Yakima, Wash. Salve. Serial No. 611,003, Feb. 24. Class 18.

United States Rubber Company, New York, N. Y. Pneumatic tires and inner tubes. Serial No. 633,793, Feb. 24. Class 35.

Universal Products Company, Inc., Dearborn, Mich. Motor vehicle propeller shafts and universal joints and parts thereof. Serial No. 628,132, Feb. 24. Class 23.

Van Dusen, Harrington Company, doing business under the name King Midas Feed Mills, Minneapolis, Minn. Animal feed. Serial No. 622,469, Feb. 24. Class 46.

Veterans of Foreign Wars of the United States, Kansas City, Mo. Overseas caps, ties, uniform shirts, etc. Serial No. 616,260, Feb. 24. Class 39.

Vick, Lester J., and E. H. Mann, Amarillo, Tex. Solution for local anesthesia. Serial No. 631,380, Feb. 24. Class 18.

Vilter Manufacturing Company, The, Milwaukee, Wis. Refrigerating machines, air-coolers, etc. Serial No. 605,126, Feb. 24. Class 31.

Walker Laboratories, Inc., Mount Vernon, N. Y. Pharmaceutical preparation. Serial No. 630,047, Feb. 24. Class 18.

Warren, O. F., doing business as the Great Northern Map Company, Tulsa, Okla. Abstract ownership maps. Serial No. 631,184, Feb. 24. Class 38.

Wardick Dental Laboratory, The: See—
Wardick, Oliver N.

Wardick, Oliver N., doing business as The Wardick Dental Laboratory, Miami Beach, Fla. Chrome cobalt alloy for dentistry. Serial No. 632,439, Feb. 24. Class 44.

Wayne Pump Company, The, assignee: See—
Martin & Schwartz, Inc.

Week: See—
Weckesser, Charles L.

Weckesser, Charles L., doing business as Week, Norwich, N. Y. Mechanical exponent counter for slide rules. Serial No. 623,171, Feb. 24. Class 26.

West Point Lawn Products, assignee to West Point Products Corporation, West Point, Pa. Turf cultivating wheeled implement. Serial No. 614,276, Feb. 24. Class 23.

West Point Products Corporation, assignee: See—
West Point Lawn Products.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 520,087, Feb. 24. Class 37.

Whitehead Hrothra Company, New York, N. Y. Core pastes and core binders. Serial No. 608,392, Feb. 24. Class 3.

Wilco Products, Inc., Orange, N. J. Machines, apparatus or instruments used in the testing and correcting of wheel alignment. Serial No. 587,219, Feb. 24. Class 26.

Wilco Products, Inc., Orange, N. J. Wheel supported sighting and indicating devices for testing wheel alignment. Serial No. 623,526, Feb. 24. Class 26.

Wollard, Jacques, assignee: See—
Younghusband, James L.

Wyeth Incorporated, Philadelphia, Pa. Preparation of dihydroxyacetone, pectin, kaolin, and alumina. Serial No. 639,237, Feb. 24. Class 18.

Younghusband, James L., Chicago, Ill., assignee to J. Wollard, New York, N. Y. Hair pre-wave lotion and developer powders. Serial No. 617,101, Feb. 24. Class 31.

LIST OF REGISTRANTS OF TRADE-MARKS

Academy of Beauty Culture: See—
Bander, Jacob B.

Air Line Footwear Corp., Long Island City, N. Y. Ladies' and children's leather and fabric shoes. 570,952, Feb. 24; Serial No. 611,872, published Nov. 18, 1952. Class 30.

Ally Shoes, Inc., Everett, Mass. Shoes. 570,953, Feb. 24; Serial No. 611,873, published Jan. 8, 1952. Class 30.

Alliance Manufacturing Company, The, Alliance, Ohio. Electromagnetic signal boosters and amplifiers. 571,021, Feb. 24; Serial No. 620,636, published Sept. 23, 1952. Class 21.

American Chicle Company, assignee: See—
Crawford Gum Company, Inc.

Ames Company, Inc., Elkhart, Ind. Tablets for analgesic, antipyretic, and sedative purposes. 571,117, Feb. 24; Serial No. 632,192, published Sept. 16, 1952. Class 18.

American Felt Company, Glenville, Conn. Separators for electric storage batteries. 571,046, Feb. 24; Serial No. 624,071, published Sept. 23, 1952. Class 21.

American Resinous Chemicals Corporation, The, Peabody, Mass. Resin emulsion, resin dispersions, and melt compositions. 570,879, Feb. 24; Serial No. 577,506, published Nov. 25, 1952. Class 8.

American Seating Company, Grand Rapids, Mich. Various types of chairs, seating, and other furniture, etc. 570,927, Feb. 24; Serial No. 605,399, published Nov. 25, 1952. Class 32.

American Stores Company, Philadelphia, Pa. Epsom salts. 570,900, Feb. 24; Serial No. 588,618, published Nov. 25, 1952. Class 18.

American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 570,941, Feb. 24; Serial No. 600,623, published Nov. 25, 1952. Class 17.

American Window Glass Company, Pittsburgh, Pa. Sheet glass. 571,103, Feb. 24; Serial No. 628,515, published Nov. 25, 1952. Class 33.

Amplex Corporation, Brooklyn, N. Y. Incandescent reflector lamps. 571,151, Feb. 24; Serial No. 617,644, Class 21.

Anderson, A. S., doing business under the firm name and style of Anderson's Hatchery and Breeding Farm, Rio Linda, Calif. Live chickens and chicken eggs. 571,009, Feb. 24; Serial No. 625,877, published Nov. 25, 1952. Class 1.

Anderson's Hatchery and Breeding Farm: See—
Anderson, A. S.

Angostura Bitters (Dr. J. O. B. Siegert & Sons) Limited, Port of Spain, Trinidad, British West Indies. Tonic bitters. 90,152, Feb. 11, 1913. Amended. O. G. Feb. 24. Class 18 (Formerly Class 6).

Arbuckle Brothers, in The National Sugar Refining Company, New York, N. Y. Sugar. 89,078, re-renewed Jan. 28, 1953. O. G. Feb. 24. Class 46.

Ardley Novelty Co., Inc., Brooklyn, N. Y. Children's wash suits, boys', girls', infants', and children's, and missen' and ladies' slack suits, overalls, etc. 571,143, Feb. 24; Serial No. 596,064, Class 30.

Armour and Company: See—
Morris & Company.

Arseault, James R., Worcester, Mass. Molded plastic hiba. 570,922, Feb. 24; Serial No. 604,414, published Nov. 25, 1952. Class 30.

Art Cement Manufacturing Co., Miami, Fla. Paints. 571,017, Feb. 24; Serial No. 620,294, published Dec. 2, 1952. Class 10.

Autographic Register Company, Hoboken, N. J. Manifold registers. 570,870, Feb. 24; Serial No. 574,180, published Aug. 26, 1952. Class 23.

Automatic Products Co., Minneapolis, Minn. Automatic drink-vending machines. 570,878, Feb. 24; Serial No. 579,253, published Oct. 21, 1952. Class 23.

Avon Shoe Co., Inc., Brooklyn, N. Y. Men's, women's, and children's shoes. 571,010, Feb. 24; Serial No. 619,097, published Dec. 2, 1952. Class 30.

Ayrlawn Farms: See—
Letts, John C.

Baltch & Castald, Inc., New York, N. Y. Ladies', missen', and juniors' coats and suits. 570,960, Feb. 24; Serial No. 612,782, published Nov. 18, 1952. Class 39.

Bander, Jacob B., doing business under the name of Academy of Beauty Culture, New York, N. Y. Shampoo. 570,996, Feb. 24; Serial No. 618,143, published Nov. 25, 1952. Class 52.

Bates, C. J. & Son, Chester, Conn. Needlework implements. 570,970, Feb. 24; Serial No. 613,897, published Nov. 11, 1952. Class 40.

Bellatre Enamel Company, The, Hellatre, Ohio. Enameled metal containers—namely, baby bath tubs, foot bath tubs, etc. 570,875, Feb. 24; Serial No. 576,441, published Dec. 2, 1952. Class 13.

Bernstein, Henry W., Brooklyn, N. Y. Cardboard covers. 570,978, Feb. 24; Serial No. 614,808, published Nov. 11, 1952. Class 37.

Bertucci, Fortunato, doing business under the name of Morgan Laboratories Scientific Italo-American, Turin, Italy. Pharmaceutical preparation. 570,898, Feb. 24; Serial No. 588,140, published Nov. 25, 1952. Class 18.

Best Brewing Corporation: See—
Best Malt Products Company.

Best Malt Products Company, to Best Brewing Corporation, Chicago, Ill. Malt syrup. 290,144, renewed Nov. 22, 1952. O. G. Feb. 24. Class 40.

Better Packages, Inc.: See—
Burns, Samuel R.

Bingham-Herbrand Corporation, The, Toledo, assignee to Superior Pneumatic & Manufacturing, Inc., Garfield Heights, Ohio. Pneumatic air hammers. 570,961, Feb. 24; Serial No. 612,844, published Nov. 11, 1952. Class 23.

Blue Bell, Inc., Greensboro, N. C. Men's and boys' overalls, dungarees, and outer shirts. 571,035, Feb. 24; Serial No. 622,984, published Oct. 7, 1952. Class 39.

Blue Bell, Inc., Greensboro, N. C. Kiddies' and girls' dungarees, overalls, and boxer longies. 571,036, Feb. 24; Serial No. 622,986, published Oct. 7, 1952. Class 39.

Blyantfabriken Viking A/S, Copenhagen, Denmark. Lead pencils. 570,925, Feb. 24; Serial No. 604,835, published Nov. 11, 1952. Class 37.

Bowersock, Justin D., by The Lawrence Paper Company, Lawrence, Kans. Straw, chip, and jute wrapping-paper and box-board. 88,830, Oct. 29, 1912. Republished Feb. 24. Class 37.

Boyd, William, Beverly Hills, Calif. Toys. 571,072, Feb. 24; Serial No. 624,181, published Dec. 2, 1952. Class 22.

Brøderna Hallgrens Skoaffär, Enoch Hallgren, Josef Hallgren: See—
Hallgren, Sven J.

Broemmel Pharmaceuticals, San Francisco, Calif. Eye drops. 571,006, Feb. 24; Serial No. 619,178, published Nov. 25, 1952. Class 18.

Brooks, Burleigh Co., New York, N. Y. Photographic cameras. 571,047, Feb. 24; Serial No. 624,122, published Nov. 18, 1952. Class 20.

Burlington Mills Corporation: See—
Stirn, L. & E., Inc.

Burns, Samuel R., Newark, N. J., to Better Packages, Inc., Shelton, Conn. Automatic taping machines. 299,293, renewed Nov. 29, 1952. O. G. Feb. 24. Class 23.

Hurroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Medicinal preparation. 571,116, Feb. 24; Serial No. 631,341, published Dec. 2, 1952. Class 18.

Burrus Mills, Incorporated: See—
Liberty Mills.

Burstein Co., Inc., Boston, Mass. Ladies' suits. 571,081, Feb. 24; Serial No. 626,729, published Nov. 18, 1952. Class 30.

Cambridge Rubber Company, The, Cambridge, Mass., and Taneytown, Md. Shoes. 571,073, Feb. 24; Serial No. 626,194, published Nov. 18, 1952. Class 30.

Cambridge Rubber Company, The, Cambridge, Mass., and Taneytown, Md. Soles for boots and shoes, and boots and shoes. 571,074, Feb. 24; Serial No. 626,195, published Nov. 18, 1952. Class 30.

Can Manufacturers Institute, Inc., New York, N. Y. Can-openers. 571,128, Feb. 24; Serial No. 626,023, published Nov. 11, 1952. Class 23.

Candy Bros. Manufacturing Company, St. Louis, Mo. Cough drops, a medical preparation. 344,563, Mar. 30, 1937. Canceled Jan. 22, 1953. O. G. Feb. 24. Class 18. (Formerly Class 6).

Cannon Shoe Company, Baltimore, Md. Shoes. 571,071, Feb. 24; Serial No. 626,024, published Nov. 18, 1952. Class 30.

Car Controls, Inc., Los Angeles, Calif. Electric distributors, generators, generator armatures, etc. 570,864, Feb. 24; Serial No. 565,908, published Sept. 23, 1952. Class 21.

Carborundum Company, The, to The Carborundum Company, Niagara Falls, N. Y. Artificial abrasive grains. 300,470, renewed Jan. 24, 1953. O. G. Feb. 24. Class 4.

Cello Company, The, New York, N. Y. Shoulder straps, adjustable backs for brassieres and corsets, and garter grips. 571,029, Feb. 24; Serial No. 622,427, published Nov. 11, 1952. Class 40.

Chambersburg Engineering Company, Chambersburg, Pa. Hammer. 571,087, Feb. 24; Serial No. 627,673, published Nov. 4, 1952. Class 23.

Changeplot, Inc., Tulsa, Okla. Fountain pens and desk sets. 571,133, Feb. 24; Serial No. 626,367, Class 37.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Macro crystalline suspensions of hormones. 570,880, Feb. 24; Serial No. 582,024, published Aug. 14, 1951. Class 18.

Clearing Machine Corporation, Chicago, Ill. Combined clutch and brake mechanism. 570,895, Feb. 24; Serial No. 587,380, published May 1, 1951. Class 23.

Cleveland Mills Co., Lawndale, N. C. Post twines, kite cords, household twines, etc. 571,048, Feb. 24; Serial No. 624,183, published Dec. 2, 1952. Class 7.

Compagnie Francaise Thomson-Houston, Paris, France. Electron-discharge tubes. 571,007, Feb. 24; Serial No. 619,446, published Sept. 23, 1952. Class 21.

Continental Silver Co., Inc., Brooklyn, N. Y. Electric coffee percolator. 571,138, Feb. 24; Serial No. 587,854, Class 21.

Cook, F. W. Company, Inc., Evansville, Ind. Ale. 571,136, Feb. 24; Serial No. 587,537, Class 48.

Cook, F. W. Company, Inc., Evansville, Ind. Beer. 571,137, Feb. 24; Serial No. 587,538, Class 48.

Country Tweeds Incorporated, New York, N. Y. Women's, missen', and juniors' coats. 570,911, Feb. 24; Serial No. 598,894, published Nov. 25, 1952. Class 39.

Crawford Gum Company, Inc., assignee to American Chicle Company, Long Island City, N. Y. Chewing gum containing medicaments. 570,986, Feb. 24; Serial No. 616,009, published Nov. 11, 1952. Class 18.

Crowther, Arilla L., North Hollywood, Calif. Ladies' treated cloth head coverings. 570,908, Feb. 24; Serial No. 594,695, published Oct. 7, 1952. Class 39.

Culpeper House Limited, London, England. Perfumes, tooth powder, toilet preparations, etc. 570,930, Feb. 24; Serial No. 607,893, published Nov. 25, 1952. Class 51.

Curtis-Stephens-Embry Co., Inc., Reading, Pa. Men's, women's, and children's shoes. 570,802, Feb. 24; Serial No. 586,268, published Nov. 25, 1952. Class 39.

Cutter, S., & Sons, Inc., New York, N. Y. Ladies' clothing. 571,075, Feb. 24; Serial No. 626,199, published Oct. 7, 1952. Class 39.

"Dax" Razor Blade Co.: See—
Paradise, Paul R.

Davis, Samuel P., Little Rock, Ark. Cattle and stock feed. 152,380, Feb. 28, 1922. Canceled Jan. 16, 1953. O. G. Feb. 24. Class 46.

Davidson Chemical Corporation, The, Baltimore, Md. Micro sized colloidal silica. 571,014, Feb. 24; Serial No. 619,920, published Nov. 25, 1952. Class 1.

Dearborn Chemical Company, Chicago, Ill. Fuel oil sludge dispersants. 570,985, Feb. 24; Serial No. 616,590, published Dec. 2, 1952. Class 15.

Delta Chemical Laboratory: See—
Reich, Ernest E.

Denver Equipment Company, Denver, Colo. Mining and mill machinery and equipment. 570,859, Feb. 24; Serial No. 538,106, published Nov. 18, 1952. Class 23.

Diamond, Samuel, & Sons, Inc., Lakewood, N. J. Infants' outer garments. 570,918, Feb. 24; Serial No. 602,087, published Nov. 25, 1952. Class 30.

Diagulis Inc., New York, N. Y. Partially printed forms. 570,860, Feb. 24; Serial No. 542,910, published Nov. 11, 1952. Class 37.

Diversey Corporation, The, Chicago, Ill. Chemical product in granular form for rust-proofing and cleaning metals and metal parts. 571,066, Feb. 24; Serial No. 625,063, published Nov. 25, 1952. Class 52.

Dodge & Olcott, Inc., New York, N. Y. Perfume specialties. 570,964, Feb. 24; Serial No. 613,058, published Nov. 11, 1952. Class 51.

Dorr Company, Inc., The, New York, N. Y., to The Dorr Company, Stamford, Conn. Apparatus for the treatment of solids suspended in liquids. 303,107, renewed May 9, 1933. O. G. Feb. 24. Class 23.

Dorr Company, The: See—
Dorr Company, Inc., The.

Dow Corning Corporation, Midland, Mich. Lubricants, lubricating oils and greases, etc. 571,013, Feb. 24; Serial No. 619,816, published Dec. 2, 1952. Class 15.

Drum Chemicals, Inc., Brooklyn, N. Y. Soil conditioner. 571,113, Feb. 24; Serial No. 631,345, published Dec. 2, 1952. Class 10.

Eastern Isles, Inc., The, New York, N. Y. Women's and children's garments. 571,020, Feb. 24; Serial No. 620,593, published Oct. 7, 1952. Class 39.

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Eastland Shoes, Inc., Freeport, Maine. Women's and children's footwear. 570,923, Feb. 24; Serial No. 604,425, published Nov. 18, 1952. Class 30.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Synthetic yarn. 571,024, Feb. 24; Serial No. 621,358, published Dec. 9, 1952. Class 43.

Eddy Bakeries, Inc., Helena, Mont. Bread. 571,131, Feb. 24; Serial No. 561,735. Class 46.

Electronic Engineering Co., Inc. See—Solisound Industries, Inc.

Emerson, Thomas, Chicago, Ill. Fresh onions. 547,000, Aug. 21, 1951. Amended. O. G. Feb. 24. Class 46.

Ericsson Telephone Sales Corporation, New York, N. Y. Automatic telephone answering and message recording machines. 570,977, Feb. 24; Serial No. 614,637, published Sept. 23, 1952. Class 21.

Erving Paper Mills, Irving, Mass. Paper napkins, paper towels, and toilet tissue. 571,061, Feb. 24; Serial No. 625,310, published Nov. 11, 1952. Class 37.

Erwin, James, Company, Inc., Brooklyn, N. Y. Pharmaceutical preparations. 571,012, Feb. 24; Serial No. 619,747, published Dec. 2, 1952. Class 18.

Everhart, Inc., Chicago, Ill. Writing instruments. 570,880, Feb. 24; Serial No. 584,899, published Mar. 11, 1952. Class 37.

Ewald, Eldo H., Klester, Minn. Storage batteries, dry batteries, radio accessories consisting of tubes and condensers, etc. 520,045, Dec. 18, 1951. Canceled Jan. 10, 1953. O. G. Feb. 24. Class 21.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Chemo-therapeutic agent. 571,110, Feb. 24; Serial No. 629,860, published Nov. 11, 1952. Class 18.

Farm Tools, Inc., Mansfield, Ohio. Disc harrows. 571,043, Feb. 24; Serial No. 623,755, published Nov. 18, 1952. Class 23.

Federated Department Stores, Inc., Cincinnati, Ohio. Men's clothing, women's clothing, children's clothing. 571,037, Feb. 24; Serial No. 623,133, published Oct. 7, 1952. Class 30.

Federated Department Stores, Inc., Cincinnati, Ohio. Drinking glasses, pitchers, coasters, etc. 571,080, Feb. 24; Serial No. 620,617, published Dec. 2, 1952. Class 33.

Ferragamo, Salvatore, Florence, Italy. Men's, women's, and children's shoes, boots, sandals, etc. 570,905, Feb. 24; Serial No. 617,841, published Oct. 28, 1952. Class 30.

Flakel Outdoor Products, Inc., New York, N. Y. Umbrellas. 538,776, Feb. 27, 1951. Canceled Jan. 28, 1953. O. G. Feb. 24. Class 41.

Flah-Schurman Corporation, New Rochelle, N. Y. Plate, mirror, optical, and window glass. 571,109, Feb. 24; Serial No. 629,428, published Dec. 2, 1952. Class 33.

Flotachman, M. R., Co., San Francisco, Calif. Study coats. 570,982, Feb. 24; Serial No. 615,769, published Nov. 18, 1952. Class 39.

Flotkote Company, The, New York, N. Y. Rubber additive for asphaltic concrete or for concrete. 571,064, Feb. 24; Serial No. 625,528, published Oct. 14, 1952. Class 12.

Flotill Products, Incorporated, Stockton, Calif. Dietetic line of canned fruits. 554,848, Feb. 12, 1952. Canceled Jan. 10, 1953. O. G. Feb. 24. Class 46.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, paper towels, etc. 153,449, Mar. 21, 1922. Amended. O. G. Feb. 24. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 206,094, Dec. 15, 1925. Amended. O. G. Feb. 24. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 235,402, Nov. 22, 1927. Amended. O. G. Feb. 24. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Paper towels, paper napkins, toilet paper, etc. 281,472, Mar. 17, 1931. Amended. O. G. Feb. 24. Class 37.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 298,870, Nov. 8, 1932. Amended. O. G. Feb. 24. Class 37.

Fowler, Florence C., Vermillion, Ohio. Partially-printed business forms. 570,906, Feb. 24; Serial No. 592,896, published Nov. 11, 1952. Class 37.

French, Kenneth H., Washington, D. C. Candy. 571,141, Feb. 24; Serial No. 592,142. Class 46.

Fries & Fries, Inc., Cincinnati, Ohio. Cleaning compounds. 571,067-8, Feb. 24; Serial Nos. 625,728-9, published Dec. 2, 1952. Class 52.

Fruit Products Control and Sales, Inc., River Forest, Ill. Canned prepared fruit fillings for pies. 523,630, Apr. 4, 1950. Canceled Jan. 10, 1953. O. G. Feb. 24. Class 46.

Fumol Corporation, Long Island City, N. Y. Bactericide and fungicide used as additives for dry cleaning products. 570,942, Feb. 24; Serial No. 610,050, published Nov. 18, 1952. Class 39.

Gabriel-Century Wood Heel Corporation, Brooklyn, N. Y. Heels for shoes. 571,059, Feb. 24; Serial No. 625,200, published Nov. 18, 1952. Class 30.

Gamble-Skogmo, Inc., Minneapolis, Minn. Women's coats, suits, dresses, etc. 543,513, June 5, 1951. Canceled Jan. 10, 1953. O. G. Feb. 24. Class 30.

Garnal Company, The, Shreveport, La., and Dallas, Tex. Liquid tonic. 571,030, Feb. 24; Serial No. 622,452, published Nov. 11, 1952. Class 18.

General Foods Corporation. See—Snider Packing Corporation.

General Motors Corporation, Detroit, Mich. Used automobiles and trucks. 570,912, Feb. 24; Serial No. 598,904, published May 27, 1952. Class 19.

General Motors Corporation, Detroit, Mich. Spark plugs, spark plug porcelain, and ignition terminals. 571,016, Feb. 24; Serial No. 620,207, published Sept. 23, 1952. Class 21.

Gerson, Samuel L., Wilmington, Del. Cooking ware. 571,092, Feb. 24; Serial No. 628,101, published Nov. 25, 1952. Class 30.

Gevaert Photo-Producten N. V., Mortsel, Belgium. Non-sensitized paper. 571,077, Feb. 24; Serial No. 620,322, published Nov. 11, 1952. Class 37.

Gilman Products Co., Inc., Chicago, Ill. Disinfectant and bleach tablets. 570,960, Feb. 24; Serial No. 613,206, published Nov. 4, 1952. Class 6.

Globe Siding Products Company, Whiting, Ind. Mineral-surfaced asphalt saturated felt shingles. 570,962, Feb. 24; Serial No. 613,001, published Nov. 25, 1952. Class 12.

Gomco Surgical Manufacturing Corp., Buffalo, N. Y. Electrically operated surgical pump apparatus. 571,001, Feb. 24; Serial No. 618,574, published Nov. 25, 1952. Class 44.

Goodyear Rubber Company, Middletown, Conn. Rubber boots, pacs, overshoes, etc. 521,214, Feb. 21, 1950. Canceled Jan. 8, 1953. O. G. Feb. 24. Class 30.

Goodyear Tire & Rubber Company, The. See—Republic Rubber Company, The.

Gould, Barbara, Inc., New York, N. Y. Cologne. 571,008, Feb. 24; Serial No. 619,462, published Nov. 25, 1952. Class 31.

Graft-Marka, New York, N. Y. Antacid tablets. 570,997, Feb. 24; Serial No. 618,277, published Nov. 11, 1952. Class 18.

Greenstein, Joseph U., Washington, D. C. Cough syrup. 502,745, renewed Apr. 25, 1953. O. G. Feb. 24. Class 18.

Gro-Cord Rubber Company, Lima, Ohio. Shoe soles. 571,053, Feb. 24; Serial No. 624,537, published Oct. 28, 1952. Class 30.

Groves Thread Company, Inc., Gastonia, N. C. Thread. 571,090, Feb. 24; Serial No. 628,326, published Dec. 2, 1952. Class 43.

Groves Thread Company, Inc., Gastonia, N. C. Thread. 571,097-8, Feb. 24; Serial Nos. 628,328-9, published Dec. 2, 1952. Class 43.

Groves Thread Company, Inc., Gastonia, N. C. Thread. 571,099, Feb. 24; Serial No. 628,337, published Dec. 2, 1952. Class 43.

Grund Plastic Industries. See—Grund, William.

Grund, William, doing business under the assumed name of Grund Plastic Industries, Detroit, Mich. Expansion joints and gaskets. 571,041, Feb. 24; Serial No. 623,541, published Dec. 2, 1952. Class 12.

Haeger Potteries, Inc., The, Dundee, Ill. Electric lamps. 570,983, Feb. 24; Serial No. 615,832, published Sept. 23, 1952. Class 21.

Hallgren, Sven J., trading as Högderna Hallgrens Skoaffär, Enoch Hallgren, Josef Hallgren, Smalandstenaar, Sweden. Rubber soles and heels. 570,888, Feb. 24; Serial No. 585,326, published Nov. 18, 1952. Class 30.

Hamilton Metal Products Company, The, Hamilton, Ohio. Minnow buckets. 570,958, Feb. 24; Serial No. 612,608, published Dec. 2, 1952. Class 22.

Hano Paper Company, Incorporated, New York, N. Y. School tablets, composition books, and fillers therefor. 570,858, Feb. 24; Serial No. 535,702, published Nov. 11, 1952. Class 37.

Harnischfeger Corporation, Milwaukee, Wis. Overhead traveling cranes, overhead hoists, gantry cranes, etc. 570,924, Feb. 24; Serial No. 604,783, published Nov. 4, 1952. Class 23.

Harrower Laboratory, Inc., The, Jersey City, N. J. Vial compartmented by means of a seal in the center of the bottle and which, when manually broken, permits the ingredients in each compartment to be mixed by the manual shaking of the vial. 570,955, Feb. 24; Serial No. 612,258, published Nov. 25, 1952. Class 44.

Hartmann Company, Racine, Wis. Trunks. 571,145, Feb. 24; Serial No. 609,129. Class 3.

Hat Corporation of America, Norwalk, Conn. Women's hats. 570,903, Feb. 24; Serial No. 591,421, published Nov. 28, 1950. Class 39.

Haug, Anton J., Nashua, N. H. Paper pulp working machines. 570,933, Feb. 24; Serial No. 607,079, published Nov. 18, 1952. Class 23.

Herculean Appliance Corporation, New York, N. Y. Toilet seats. 570,889, Feb. 24; Serial No. 585,705, published Dec. 2, 1952. Class 13.

Herman, Harry O., Yeadon, Pa. Cigarette makers. 570,993, Feb. 24; Serial No. 617,028, published Nov. 4, 1952. Class 8.

Hoffmann-La Roche Inc., Nutley, N. J. Medicinal preparation. 570,951, Feb. 24; Serial No. 611,572, published Nov. 11, 1952. Class 18.

Honover Manufacturing Company, Inc., Washington, D. C. Upholstered living room and bed room furniture. 571,095, Feb. 24; Serial No. 628,274, published Nov. 18, 1952. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

House for Men, Inc., The, Chicago, Ill. Hair dressing. 570,871, Feb. 24; Serial No. 575,055, published Dec. 2, 1952. Class 31.

House of Proktol, Inc., Newark, N. J. Hair dye. 570,914, Feb. 24; Serial No. 599,528, published Sept. 10, 1952. Class 51.

Howard Bros. Chemical Co., Buffalo, N. Y. Eye-salve. 89,202, re-renewed Dec. 3, 1952. O. G. Feb. 24. Class 18.

Howard Bros. Chemical Co., Buffalo, N. Y. Pile remedy. 89,204, re-renewed Dec. 3, 1952. O. G. Feb. 24. Class 18.

Howard Bros. Chemical Co., Buffalo, N. Y. Worm-syrup, blood-purifier, tablets for liver, etc. 89,363, re-renewed Dec. 10, 1952. O. G. Feb. 24. Class 18.

Howard Bros. Chemical Co., Buffalo, N. Y. Eye-salve, pile remedy, cathartic tablets, and eye-water. 89,364, re-renewed Dec. 10, 1952. O. G. Feb. 24. Class 18.

Hyatt and Weisskopf Garment Co., St. Louis, Mo. Women's and misses' suits and coats. 570,871, Feb. 24; Serial No. 614,148, published Oct. 28, 1952. Class 39.

Inerto Company, The, San Francisco, Calif. Clays. 571,002, Feb. 24; Serial No. 618,634, published Nov. 25, 1952. Class 1.

Ingersoll, Robt. H., & Bro., New York, N. Y., to The United States Time Corporation, Waterbury, Conn. Watches and clocks. 89,265-6, re-renewed Dec. 3, 1952. O. G. Feb. 24. Class 27.

Interlock Corporation, New York, N. Y. Coupling and releasing type mechanical fasteners, buckles, clasps, etc. 570,934, Feb. 24; Serial No. 607,081, published Dec. 2, 1952. Class 13.

International Business Machines Corporation, New York, N. Y. Automatic typewriters. 570,957, Feb. 24; Serial No. 612,498, published Nov. 4, 1952. Class 23.

International Molded Plastics, Inc., Cleveland, Ohio. Colored plastic containing fibers of glass for use as construction material. 570,979, Feb. 24; Serial No. 614,831, published Nov. 25, 1952. Class 12.

International Shoe Company, St. Louis, Mo. Men's, women's and children's shoes. 570,984, Feb. 24; Serial No. 616,293, published Oct. 28, 1952. Class 39.

Irwine Corporation, Fitchburg, Mass. Molded plastic dolls. 570,990, Feb. 24; Serial No. 610,910, published Dec. 2, 1952. Class 22.

Jack & Helitz Precision Industries, Inc., Cleveland, Ohio. Automotive power units. 570,896, Feb. 24; Serial No. 587,491, published Nov. 18, 1952. Class 23.

Jackson, Peter, (Overseas) Limited, London, England. Cigarettes. 571,018, Feb. 24; Serial No. 620,424, published Nov. 18, 1952. Class 17.

Jamesflex Manufacturing Co., Inc., Phoenix, Ariz. Plastic composition shoe soles. 570,965, Feb. 24; Serial No. 613,172, published Nov. 11, 1952. Class 39.

Jaymar Specialty Company, Brooklyn, N. Y. Jigsaw puzzle game. 571,101, Feb. 24; Serial No. 628,487, published Dec. 2, 1952. Class 22.

Jenkins, M. W., Sons, Inc., Cedar Grove, N. J. Power driven brushes. 570,919, Feb. 24; Serial No. 602,403, published Nov. 11, 1952. Class 23.

Jones, Catharine L. See—Letts, John C.

K-P Shoe Co., Portage, Wis. Shoes. 571,082, Feb. 24; Serial No. 626,740, published Nov. 18, 1952. Class 39.

K & T Co., Washington, Pa. Peppermint leaves used as a substitute for tobacco. 571,083, Feb. 24; Serial No. 620,796, published Nov. 18, 1952. Class 17.

Kalamazoo Sled Company, Kalamazoo, Mich. Sled. 571,104, Feb. 24; Serial No. 628,606, published Dec. 2, 1952. Class 22.

Kaylon Incorporated, New York, N. Y. Ladies' and girls' pajamas, pajama coats, beach coats, etc. 571,025, Feb. 24; Serial No. 621,307, published Nov. 18, 1952. Class 39.

Kelly-Springfield Tire Company, The, New York, N. Y., to The Kelly-Springfield Tire Company, Cumberland, Md. Resilient vehicle tires and inner tubes. 301,994, renewed Mar. 21, 1953. O. G. Feb. 24. Class 35.

Kessner & Rabinowitz, Inc., New York, N. Y. Children's jackets, slacks and trousers. 571,140, Feb. 24; Serial No. 615,457. Class 39.

Klein Coat Corporation, New York, N. Y. Women's, misses' and juniors' coats and suits. 570,988, Feb. 24; Serial No. 616,769, published Nov. 18, 1952. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 570,904, Feb. 24; Serial No. 591,782, published Nov. 11, 1952. Class 40.

Kline Brothers Co., New York, N. Y. Children's shoes. 571,093, Feb. 24; Serial No. 628,110, published Nov. 18, 1952. Class 39.

Knauf & Teach Company, Chilton, Wis. Field and garden seeds. 571,004, Feb. 24; Serial No. 618,745, published Nov. 25, 1952. Class 1.

Knott, Emmet K., doing business under the assumed name and style of Scientific Equipment Manufacturing Company, Seattle, Wash. Ultra-violet irradiating machines and accessory equipment therefor. 570,873-4, Feb. 24; Serial No. 575,709-10, published Nov. 25, 1952. Class 44.

Koenig, Harry D., doing business under the name of Swan Luxuries Co., New York, N. Y. Medicated chewing gum tablets. 571,120, Feb. 24; Serial No. 632,730, published Dec. 2, 1952. Class 18.

Kobnstamm, H., & Co., Inc., New York, N. Y. Cleaning composition. 571,065, Feb. 24; Serial No. 625,907, published Nov. 25, 1952. Class 52.

Koppers Company, Inc., Pittsburgh, Pa. Pitch. 571,039, Feb. 24; Serial No. 623,354, published Nov. 25, 1952. Class 1.

Koret of California, Inc., San Francisco, Calif. Women's misses' and children's pervious textile dresses, halters, outer shorts, etc. 570,944, Feb. 24; Serial No. 610,497, published Feb. 26, 1952. Class 30.

Krider, A. S., Shoe Manufacturing Company, Elizabethtown, Pa. Boys' shoes. 570,884, Feb. 24; Serial No. 584,333, published Apr. 1, 1952. Class 39.

Laboratorio Acetolia. See—Perez, Bernardo H.

Laclede Laboratories, Inc., St. Louis, Mo. Medication to be used by dentists. 570,963, Feb. 24; Serial No. 613,010, published Nov. 11, 1952. Class 18.

Lancôme, S. A., Paris, France. Skin lotion. 571,148, Feb. 24; Serial No. 612,206. Class 51.

Larox. See—Larox Textiles Company.

Larox Textiles Company, doing business under the name of Larox, Bethlehem, Pa. Plasma volume expander. 571,033, Feb. 24; Serial No. 622,600, published Nov. 11, 1952. Class 18.

Larsen Manufacturing Company, Columbus, Ohio. Hand-operated food-cutting saws. 570,897, Feb. 24; Serial No. 587,808, published Nov. 25, 1952. Class 23.

Lasko Strap Company, New York, N. Y. Wrist watch straps. 538,751, Feb. 27, 1951. Canceled Jan. 10, 1953. O. G. Feb. 24. Class 28.

Lava Crucible Company of Pittsburgh, Pittsburgh, Pa., now by change of name Lava Crucible-Refractories Co. Liquid composition for coating cores and molds. 570,994, Feb. 24; Serial No. 617,757, published Nov. 25, 1952. Class 1.

Lava Crucible-Refractories Co. See—Lava Crucible Company of Pittsburgh.

Lawrence Paper Company, The. See—Bowersock, Justin D.

Leeds Ltd. Coats, Inc., New York, N. Y. Ladies' and misses' outerwear. 571,088, Feb. 24; Serial No. 627,752, published Nov. 18, 1952. Class 39.

Les Parfums Worth de Paris, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. 570,902, Feb. 24; Serial No. 591,174, published Dec. 2, 1952. Class 51.

Letts, John C., doing business as Ayrilawn Farms, Bethesda, to C. L. Jones, doing business as Ayrilawn Farms, Galtersburg and Laytonville, Md. Dairy products and farm products. 302,689, renewed Apr. 25, 1953. O. G. Feb. 24. Class 46.

Lewin, Willard J., Co., Inc., New York, N. Y. Women's and misses' slips, petticoats, sleeping and lounging pajamas, etc. 570,950, Feb. 24; Serial No. 611,229, published Dec. 2, 1952. Class 39.

Lexington Manufacturing Company, Lexington, N. C. Men's sportshirts. 571,009, Feb. 24; Serial No. 619,578, published Oct. 7, 1952. Class 39.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Continuous drawn strands and yarns. 571,060, Feb. 24; Serial No. 625,284, published Dec. 2, 1952. Class 43.

Liberty Hosiery Mills, Inc., Liberty, N. C. Women's and girls' hosiery. 571,102, Feb. 24; Serial No. 628,500, published Nov. 25, 1952. Class 39.

Liberty Mills, San Antonio, to Hurrus Mills, Incorporated, doing business as Liberty Mills, Dallas and San Antonio, Tex. Wheat flour. 301,368, renewed Feb. 28, 1953. O. G. Feb. 24. Class 46.

Linker & Herbert, Inc., New York, N. Y. Misses' and women's coats and suits. 570,915, Feb. 24; Serial No. 600,493, published Nov. 18, 1952. Class 39.

Liquid Freeze Corporation, Oakland, Calif. Ice-making machines. 571,140, Feb. 24; Serial No. 690,984. Class 31.

Livingstone Engineering Company, Worcester, Mass. Electrode steam boilers. 571,150, Feb. 24; Serial No. 610,430. Class 21.

Lovelace, Charles D., doing business as Lovelace Mfg. Co., Mandera, Tex. Artificial fish lores. 571,070, Feb. 24; Serial No. 625,913, published Dec. 2, 1952. Class 22.

Lovelace Mfg. Co. See—Lovelace, Charles D.

Lustra Corporation of America, Brooklyn, N. Y. Incandescent lamps or bulbs. 571,034, Feb. 24; Serial No. 622,944, published Sept. 23, 1952. Class 21.

Lyle, Abram, & Sons, Limited, by Tate & Lyle, Limited, London, England. Table-syrup. 89,045, Nov. 5, 1912. Republished Feb. 24. Class 46.

Lynch, W. J., Paint & Varnish Co., Inc., East Providence, R. I. Paints and varnishes. 442,022, Feb. 5, 1949. Canceled Jan. 16, 1953. O. G. Feb. 24. Class 16.

M. D. Shoe Co., New York, N. Y. Shoes. 571,056, Feb. 24; Serial No. 624,958, published Nov. 18, 1952. Class 39.

MacIntosh, Bruce S., doing business as Bruce Stuart, Los Angeles, Calif. Ladies' and misses' dresses, suits, and coats. 570,975, Feb. 24; Serial No. 614,447, published Oct. 28, 1952. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Women's hats. 290,427, renewed Dec. 6, 1952. O. G. Feb. 24. Class 39.

Malrov Hat and Cap Co., to Malrov United Hat and Cap Company, Minneapolis, Minn. Caps and fur felt hats. 290,422, renewed Dec. 6, 1952. O. G. Feb. 24. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

- Malroy United Hat and Cap Company: See—
Malroy Hat and Cap Co.
- Many, Blanc & Co. Inc., Chicago, Ill., by Schenley Industries, Inc., New York, N. Y. Vodka, 370,647, July 10, 1940. Republished Feb. 24. Class 40.
- Markwell Manufacturing Co., Inc., New York, N. Y. Stamping machines. 571,078, Feb. 24; Serial No. 626,520, published Oct. 21, 1952. Class 23.
- Marshall, C. & E. Company, Chicago, Ill. Watchmakers' tweezers. 571,076, Feb. 24; Serial No. 626,292, published Nov. 11, 1952. Class 23.
- Matheson Chemical Corporation, assignee: See—
Squibb, E. R., & Sons.
- Matsumita Shoten Ltd., Osaka-City, Japan. Pickles. 298,924, renewed Nov. 15, 1952. O. G. Feb. 24. Class 46.
- McCallum-Legas Fish Company Inc., Seattle, Wash. Frozen fish. 570,908, Feb. 24; Serial No. 613,471, published Nov. 18, 1952. Class 46.
- McDonald Drug, Fairfax, Okla. Medicinal preparation. 570,926, Feb. 24; Serial No. 604,983, published Nov. 11, 1952. Class 18.
- McLaren, L. M., to L. M. McLaren Produce, Inc., Yuma, Ariz. Fresh vegetables. 302,180, renewed Apr. 4, 1953. O. G. Feb. 24. Class 46.
- McLaren, L. M., Produce, Inc.: See—
McLaren, L. M.
- Mealpack Corporation, Evanston, Ill. Glass dishes. 571,028, Feb. 24; Serial No. 622,218, published Nov. 25, 1952. Class 33.
- Menlo Research Laboratory, Menlo Park, Calif. Fluorescent detectors and comparators. 570,921, Feb. 24; Serial No. 603,636, published Aug. 12, 1952. Class 26.
- Meredith Publishing Company, Des Moines, Iowa. Magazine section, architectural plans, and pamphlets. 431,414, July 22, 1947. Republished Feb. 24. Class 36.
- Miles Shoes Incorporated, New York, N. Y. Shoes. 571,038, Feb. 24; Serial No. 623,313, published Oct. 28, 1952. Class 39.
- Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Medicinal preparation. 571,052, Feb. 24; Serial No. 624,496, published Dec. 2, 1952. Class 18.
- Minnesota Mining & Manufacturing Company, St. Paul, Minn. Glass bedding compound and putty-like compounds. 570,877, Feb. 24; Serial No. 577,802, published Nov. 25, 1952. Class 12.
- Minoch Manufacturing Company: See—
Minoch, Robert M.
- Minoch, Robert M., doing business as Minoch Manufacturing Company, Denver, Colo. Hand operated tools for expanding rubber bands for use in docking and castrating animals. 571,063, Feb. 24; Serial No. 625,430, published Nov. 25, 1952. Class 44.
- Morgan Laboratories Scientific Italo-American: See—
Bertucci, Fortunato.
- Morris & Company, to Armour and Company, Chicago, Ill. Balled ham, sugar-cured bacon, hams and bacon, etc. 39,284, re-renewed Dec. 3, 1952. O. G. Feb. 24. Class 46.
- Motor Wheel Corporation, Lansing, Mich. Electric motors. 570,916, Feb. 24; Serial No. 600,903, published Sept. 23, 1952. Class 21.
- Motorola, Inc., Chicago, Ill. Television receivers. 571,146, Feb. 24; Serial No. 609,249. Class 21.
- Mt. Parnell Fisheries: See—
Rice, Earl A.
- Musher Foundation Incorporated, New York, N. Y. Skin cleansing cream. 570,948, Feb. 24; Serial No. 611,040, published Nov. 25, 1952. Class 51.
- Musher Foundation Incorporated, New York, N. Y. Skin ointment. 570,949, Feb. 24; Serial No. 611,041, published Nov. 25, 1952. Class 18.
- N. V. Nederlandsche Maschijnfabriek "Artillerie Inrichtingen," Hembrug, Zaandam, Netherlands. Firearms, cartridges, and rounds of ammunition. 571,023, Feb. 24; Serial No. 621,080, published Dec. 2, 1952. Class 9.
- N. V. Organon, Oss Netherlands, to Organon Inc., Orange, N. J. Liver extract. 302,933, renewed May 2, 1953. O. G. Feb. 24. Class 18.
- Naito, Samuel T., doing business under the assumed name of Northwest Trading Co., Portland, Oreg. Cups, saucers and dishes. 571,019, Feb. 24; Serial No. 620,822, published Nov. 25, 1952. Class 30.
- Natham Straus-Duparquet, Inc., New York, N. Y. Basting and serving spoons, ladies' steak knives, etc. 570,920, Feb. 24; Serial No. 603,607, published Sept. 30, 1952. Class 23.
- National Automotive Parts Association, Detroit, Mich. Automotive gears, automotive axle shafts, automotive transmissions, etc. 571,129, Feb. 24; Serial No. 591,506, published Nov. 18, 1952. Class 28.
- National Cylinder Gas Company, Chicago, Ill. Protective devices. 522,170, Mar. 14, 1950. Canceled Jan. 16, 1953. O. G. Feb. 24. Class 26.
- National Dairy Products Corporation, New York, N. Y. Whole milk, skim milk, buttermilk, etc. 557,254, Apr. 8, 1952. Corrected. O. G. Feb. 24. Class 46.
- National Shirt Shops of Delaware, Inc., New York, N. Y. Men's dress and negligee shirts and underwear. 570,891, Feb. 24; Serial No. 585,974, published Oct. 7, 1952. Class 39.
- National Silver Company, New York, N. Y. Base metal table cutlery. 571,100, Feb. 24; Serial No. 628,421, published Nov. 18, 1952. Class 23.
- National Sugar Refining Company, The: See—
Arbuckle Brothers.
- Neagle-Le Mur Company, The, New York, N. Y. Hair tinting composition. 571,139, Feb. 24; Serial No. 589,522. Class 51.
- Nobill Shoe Company, The, Akron, Ohio. Women's and children's leather shoes. 571,079, Feb. 24; Serial No. 626,528, published Nov. 18, 1952. Class 39.
- Northwest Trading Co.: See—
Naito, Samuel T.
- Oakley, Anne, Enterprises, Inc., Los Angeles, Calif. Women's and girls' hats, jeans, handkerchiefs, etc. 571,105, Feb. 24; Serial No. 628,734, published Nov. 25, 1952. Class 39.
- Ollgear Company, The, Milwaukee, Wis. Pumps, hydraulic motors, hydraulic transmissions, etc. 570,865-6, Feb. 24; Serial Nos. 566,000-1, published Nov. 11, 1952. Class 23.
- Omega Manufacturing Company, Incorporated, New York, N. Y. Electrical clocks, electrolysis machines, and parts thereof. 333,795-6, Apr. 7, 1938. Canceled Jan. 16, 1953. O. G. Feb. 24. Class 21.
- Ontario Knife Company, The, Franklinton, N. Y. Knives and forks. 570,938, Feb. 24; Serial No. 608,257, published Nov. 18, 1952. Class 23.
- Ontario Paper Company Limited, The, Township of Thorold, Ontario, Canada. By-product from sulphite mill waste. 571,094, Feb. 24; Serial No. 628,118, published Nov. 4, 1952. Class 6.
- Organon Inc.: See—
N. V. Organon.
- Ortho Pharmaceutical Corporation, Raritan, N. J. Therapeutic preparations. 570,905, Feb. 24; Serial No. 592,160, published Nov. 25, 1952. Class 18.
- Osborn Manufacturing Company, The, Cleveland, Ohio. Brush strip, paint brushes, wall brushes, etc. 571,005, Feb. 24; Serial No. 619,102, published Dec. 2, 1952. Class 29.
- O'Sullivan Rubber Corporation, Winchester, Va. Shoe heels, taps and soles. 570,855, Feb. 24; Serial No. 523,032, published Nov. 18, 1952. Class 39.
- Otto Elevator Company, New York, N. Y. Vehicular chassis dynamometers. 570,868, Feb. 24; Serial No. 568,861, published Nov. 18, 1952. Class 26.
- Oxo, Limited, London, England. Concentrated preparation of the uncoagulated juice of liver for use in the treatment of anemia. 571,147, Feb. 24; Serial No. 611,804. Class 18.
- P. V. M. Corporation, Wappingers Falls and New York, N. Y. Dyeing textile fabrics in the piece and chemically treating such goods. 571,125, Feb. 24; Serial No. 597,414, published Dec. 2, 1952. Class 106.
- Pacific States Laboratories, San Francisco, Calif. Para-aminosalicylic acid and para-aminosalicylate acid and sodium para-aminosalicylate, etc. 570,890, Feb. 24; Serial No. 585,717, published Nov. 25, 1952. Class 18.
- Palace Laundry, Inc., Washington, D. C. Laundry services, rug cleaning and dry cleaning. 571,127, Feb. 24; Serial No. 627,522, published Dec. 2, 1952. Class 103.
- Par Equipment, Inc., Tulsa, Okla. Industrial mixers. 571,045, Feb. 24; Serial No. 624,049, published Nov. 25, 1952. Class 23.
- Paradise, Paul R., doing business as "Day" Razor Blade Co., Chicago, Ill. Razor blades. 571,034, Feb. 24; Serial No. 624,566, published Sept. 2, 1952. Class 23.
- Park & Tilford, New York, N. Y. Perfumeries, lotions, toilet waters, etc. 302,450-1, renewed Apr. 18, 1953. O. G. Feb. 24. Class 51.
- Parker, Stearns and Company, Brooklyn, N. Y. Pre-shaped pneumatic seat fillers. 570,887, Feb. 24; Serial No. 584,992, published Sept. 4, 1951. Class 19.
- Patek Brothers, Inc., Milwaukee, Wis. Interior and exterior paints, calcimines, paint and baking enamels, etc. 571,132, Feb. 24; Serial No. 563,870. Class 16.
- Pearce Manufacturing Company, Latrobe, Pa. Woolen shirts and jackets. 570,872, Feb. 24; Serial No. 575,085, published Nov. 18, 1952. Class 39.
- Perez, Bernardo R., trading as Laboratorio Acetolia, Mexico City, Mexico. Liquid compound for external treatment of skin eruptions, irritations and infections. 571,031, Feb. 24; Serial No. 622,511, published Nov. 11, 1952. Class 16.
- Pillsbury Mills, Inc., Minneapolis, Minn. Prepared mixture for the making of doughnuts, crullers, etc. 570,861, Feb. 24; Serial No. 557,951, published Dec. 2, 1952. Class 46.
- Pilbrico Company: See—
Pilbrico Jointless Firebrick Company.
- Pilbrico Jointless Firebrick Company, Chicago, Ill., now by change of name Pilbrico Company. Castable refractory material. 570,909, Feb. 24; Serial No. 597,161, published Nov. 25, 1952. Class 12.
- Plough, Inc., Memphis, Tenn. Compound for treating stomach distress, etc. 570,910, Feb. 24; Serial No. 597,780, published July 17, 1951. Class 18.
- Pollock, Catherine M., New York, N. Y. Blank memorandum and index book. 570,987, Feb. 24; Serial No. 616,725, published Nov. 11, 1952. Class 37.
- Postur-Line Shoes, Cedarhurst, N. Y. Women's, misses', and children's shoes. 571,049, Feb. 24; Serial No. 624,293, published Nov. 11, 1952. Class 39.
- Pratt Industries, Inc., Frankfort, N. Y. Exhaust mufflers, mufflers for explosive engines, and parts thereof. 571,003, Feb. 24; Serial No. 618,714, published Nov. 11, 1952. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

- Pyramid Commercial Corporation, New York, N. Y. Edible oil, olive oil, rice, and conserves. 367,738, May 30, 1939. Canceled Jan. 28, 1953. O. G. Feb. 24. Class 46.
- Querrel, Marcel, Paris, France. Pyrophoric lighters. 570,878, Feb. 24; Serial No. 578,705, published Nov. 11, 1952. Class 8.
- R & L W Products, Inc., New York, N. Y. Liquid preparation for cleaning glass and other surfaces. 570,959, Feb. 24; Serial No. 612,759, published Nov. 25, 1952. Class 52.
- Radelle Lingerie Corporation: See—
Susberg & Feinberg, Inc.
- Radiant Ray Corporation, Seattle, Wash. Portable and stationary assemblies containing electric infra-red heating tubes, etc. 571,142, Feb. 24; Serial No. 594,584. Class 21.
- Rahm Instruments, Inc., New York, N. Y. Electro-mechanical resonator. 570,958, Feb. 24; Serial No. 612,352, published Sept. 23, 1952. Class 21.
- Ralzi, George S., Athens, Greece. Medicine for treating malaria. 570,937, Feb. 24; Serial No. 608,030, published Nov. 11, 1952. Class 18.
- Raytheon Manufacturing Company: See—
Raytheon Production Corporation.
- Raytheon Production Corporation, to Raytheon Manufacturing Company, Newton, Mass. Electrical space discharge tubes. 299,507, renewed Dec. 6, 1952. O. G. Feb. 24. Class 21.
- Reed-Tain, Inc., Fort Wayne, Ind. Reed holders. 570,972, Feb. 24; Serial No. 614,216, published Dec. 2, 1952. Class 36.
- Reich, Ernest E., doing business as Delta Chemical Laboratory, New Orleans, La. Soap. 571,122, Feb. 24; Serial No. 634,808, published Dec. 2, 1952. Class 52.
- Rela, Henry M., New York, N. Y. Loose leaf binders. 570,932, Feb. 24; Serial No. 607,042, published Nov. 11, 1952. Class 37.
- Republic Rubber Company, The, Youngstown, to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tires. 91,249-50, re-renewed Apr. 22, 1953. O. G. Feb. 24. Class 35.
- Rice, Earl A., doing business under the name of Mt. Parnell Fisheries, Mercersburg, Pa. Empty transparent plastic fish bowls. 571,133, Feb. 24; Serial No. 580,096. Class 2.
- Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company. Permanent wave solutions. 570,981, Feb. 24; Serial No. 615,723, published June 17, 1952. Class 51.
- Rilling-Dermetics Company, The: See—
Rilling Company.
- Rockwood & Co., Brooklyn, N. Y. Chocolate candy pieces. 571,123, Feb. 24; Serial No. 634,919, published Dec. 2, 1952. Class 46.
- Roman Meal Company, Tacoma, Wash. Cereal food. 571,085, Feb. 24; Serial No. 627,090, published Nov. 18, 1952. Class 46.
- Roseth Corporation, Brooklyn, N. Y. Moth and vermin repellent bags and boxes. 302,238, renewed Apr. 4, 1953. O. G. Feb. 24. Class 2.
- Royal Robes, Inc., New York, N. Y. Women's and children's garments. 571,084, Feb. 24; Serial No. 627,010, published Nov. 18, 1952. Class 39.
- Russek's Fifth Avenue, Inc., New York, N. Y. Women's and misses' wearing apparel. 571,026, Feb. 24; Serial No. 621,579, published Nov. 18, 1952. Class 39.
- Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned pineapple. 571,000, Feb. 24; Serial No. 618,435, published Dec. 2, 1952. Class 46.
- Salvador, Adib C., Buenos Aires, Argentina. Suspensories. 570,980, Feb. 24; Serial No. 615,348, published Nov. 25, 1952. Class 44.
- San Fernando Heights Lemon Association: See—
San Fernando Heights Lemon Co.
- San Fernando Heights Lemon Co., to San Fernando Heights Lemon Association, San Fernando, Calif. Fresh lemons. 302,789, renewed Apr. 25, 1953. O. G. Feb. 24. Class 46.
- Sanderson, Ivan T., New York, N. Y. Entertainment services. 571,124, Feb. 24; Serial No. 572,273, published Dec. 2, 1952. Class 107.
- Sandler, A. Co., Boston, Mass. Leather moccasins shoes. 570,946, Feb. 24; Serial No. 610,717, published Nov. 18, 1952. Class 39.
- Sassanfron Farm, Cecilton, Md. Partially printed recipe books. 570,907, Feb. 24; Serial No. 593,445, published Nov. 11, 1952. Class 37.
- Schalk Chemical Company, Los Angeles, Calif. Chemical paint and varnish remover. 570,869, Feb. 24; Serial No. 570,382, published Feb. 14, 1950. Class 52.
- Schenley Import Corporation, New York, N. Y. Wines. 381,580, Oct. 25, 1938. Republished Feb. 24. Class 47.
- Schenley Industries, Inc.: See—
Many, Blanc & Co. Inc.
- Schenley Laboratories, Inc., New York, N. Y. Bacteriostatic substance. 435,779-80, Jan. 6, 1948. Republished Feb. 24. Class 18.
- Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 570,883, Feb. 24; Serial No. 583,950, published June 27, 1950. Class 39.
- Schwartz, Morris, & Sons, Inc., New York, N. Y. Women's and misses' cloth coats and fur lined and fur trimmed cloth coats. 570,967, Feb. 24; Serial No. 613,425, published Oct. 28, 1952. Class 39.
- Scientific Equipment Manufacturing Company: See—
Knott, Emmet K.
- Seaboard Seed Company, Philadelphia, Pa. Lawn seed. 571,055, Feb. 24; Serial No. 624,798, published Nov. 25, 1952. Class 1.
- Security Steel Equipment Corporation, Woodbridge, N. J. Metal office furniture. 570,802, Feb. 24; Serial No. 558,816, published Jan. 15, 1952. Class 32.
- Sellright Giftwares Corp., New York, N. Y. Herbs and spices. 571,027, Feb. 24; Serial No. 621,842, published Dec. 2, 1952. Class 46.
- Sharp & Dohme, Incorporated, Philadelphia, Pa. Sulfonamide suspension. 571,040, Feb. 24; Serial No. 623,372, published Dec. 2, 1952. Class 18.
- Shattuck, Frank G., Company, New York, N. Y. Candy. 570,899, Feb. 24; Serial No. 588,599, published Feb. 6, 1951. Class 46.
- Shively, Roy H., Scranton, Pa. Brake adjusting mechanism. 564,561, Sept. 30, 1952. Corrected. O. G. Feb. 24. Class 19.
- Simone Shoes To Match, New York, N. Y. Women's shoes. 571,051, Feb. 24; Serial No. 624,439, published Dec. 2, 1952. Class 39.
- Simplex Valve and Meter Company, Philadelphia, Pa. Air-release valves, vacuum valves, rate of flow controllers, etc. 301,904, renewed Mar. 21, 1953. O. G. Feb. 24. Class 13.
- Singer Manufacturing Company, The, Elizabeth, N. J. Sewing-machine needles. 91,518, re-renewed May 6, 1953. O. G. Feb. 24. Class 23.
- Slumber Products Corporation, Memphis, Tenn. Convertible sofas. 571,089, Feb. 24; Serial No. 627,903, published Nov. 18, 1952. Class 32.
- Snider Packing Corporation, Rochester, to General Foods Corporation, New York, N. Y. Canned vegetables, canned fruits, canned berries, etc. 299,490, renewed Dec. 6, 1952. O. G. Feb. 24. Class 46.
- Socfin Company, Limited, Kuala Lumpur, Malaya. Natural, synthetic, and reclaimed rubbers. 570,990, Feb. 24; Serial No. 618,434, published Nov. 25, 1952. Class 1.
- Solar Aircraft Company, San Diego, Calif. Fluid pressure apparatus. 570,917, Feb. 24; Serial No. 600,927, published Nov. 18, 1952. Class 23.
- Solound Industries, Inc., doing business as Electronic Engineering Co., Akron, Ohio. Units for local voice communicating, electronically operated, inter-communication systems. 570,945, Feb. 24; Serial No. 610,592, published Oct. 28, 1952. Class 21.
- Sons Shoe Company, Bonne Terre, Mo. Ladies' and misses' shoes, play shoes, and slippers. 571,042, Feb. 24; Serial No. 623,738, published Nov. 18, 1952. Class 39.
- Sorority House Sportswear, assignor to Sorority House Sportswear, Inc., St. Louis, Mo. Women's and girls' wearing apparel. 570,943, Feb. 24; Serial No. 610,382, published Nov. 25, 1952. Class 39.
- Sorority House Sportswear, Inc., assignee: See—
Sorority House Sportswear.
- Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 570,991, Feb. 24; Serial No. 616,989, published Nov. 11, 1952. Class 37.
- Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Butchers' kraft wrapping paper. 570,992, Feb. 24; Serial No. 616,990, published Nov. 11, 1952. Class 37.
- Southern Agricultural Insecticides, Inc., Palmetto, Fla., and Hendersonville, N. C. Insecticides. 571,011, Feb. 24; Serial No. 619,723, published Dec. 2, 1952. Class 6.
- Southern Dairies, Inc., Washington, D. C., and Birmingham, Ala. Fresh milk and buttermilk. 571,134-5, Feb. 24; Serial No. 582,024-5. Class 46.
- Spanish Bit Chinchilla Ranch, Harbor City, Calif. Live chinchillas. 571,044, Feb. 24; Serial No. 623,809, published Nov. 25, 1952. Class 1.
- Spilke's Bakery, Inc., Brooklyn, N. Y. Cakes. 571,154, Feb. 24; Serial No. 632,002. Class 46.
- Squibb, E. R., & Sons, New York, N. Y., assignor to Matheson Chemical Corporation, Saltville, Va. Antibacterial preparation. 571,121, Feb. 24; Serial No. 632,905, published Dec. 2, 1952. Class 18.
- Standard Brands Incorporated, New York, N. Y. Dough improver. 571,015, Feb. 24; Serial No. 619,953, published Oct. 7, 1952. Class 46.
- Standardized Products Company, Chicago, Ill. Non-self-measuring auto fuel pumps and parts thereof, carburetors and parts thereof. 570,867, Feb. 24; Serial No. 567,887, published Nov. 18, 1952. Class 23.
- Steele Canning Company, Springdale, Ark. Canned vegetables. 571,130, Feb. 24; Serial No. 627,015. Class 46.
- Sterilion Corporation, Buffalo, N. Y. Donor sets for taking blood and for recipient sets for giving blood, etc. 571,050, Feb. 24; Serial No. 624,309, published Nov. 25, 1952. Class 44.
- Stern & Herff Corp., New York, N. Y. Ladies' and children's slacks and leggings. 571,086, Feb. 24; Serial No. 627,469, published Nov. 18, 1952. Class 39.
- Stetson China Co., Inc., Lincoln, Ill. Chinaware. 570,973, Feb. 24; Serial No. 614,370, published Nov. 25, 1952. Class 30.
- Stetson China Co., Inc., Lincoln, Ill. Chinaware. 570,974, Feb. 24; Serial No. 614,371, published Nov. 18, 1952. Class 30.

LIST OF REGISTRANTS OF TRADE-MARKS

Stetson China Co., Inc., Lincoln, Ill. Dinnerware. 571,107, Feb. 24; Serial No. 629,130, published Nov. 25, 1952. Class 30.

Stetson China Co., Inc., Lincoln, Ill. Dinnerware. 571,108, Feb. 24; Serial No. 629,132, published Nov. 25, 1952. Class 30.

Steuer & Vamos, New York, N. Y. Women's hosiery. 571,106, Feb. 24; Serial No. 628,789, published Nov. 25, 1952. Class 39.

Stevens, Frederic B., Incorporated, Detroit, Mich. Foundry equipment. 570,893, Feb. 24; Serial No. 586,606, published Nov. 4, 1952. Class 23.

Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment. 570,885, Feb. 24; Serial No. 584,361, published Nov. 18, 1952. Class 23.

Stirn, L. & E., Inc., New York, N. Y., to Burlington Mills Corporation, Greensboro, N. C. Silk and rayon fabrics. 302,332, renewed Apr. 11, 1953. O. G. Feb. 24. Class 42.

Stoppelli, Caesar A., doing business under the name of Triac Pharmaceutical Co., New York, N. Y. Cough mixture. 570,998, Feb. 24; Serial No. 618,406, published Dec. 2, 1952. Class 18.

Strong, Cobb & Company, Inc., Cleveland, Ohio. Preparation for the treatment of diarrhea. 571,118, Feb. 24; Serial No. 632,701, published Dec. 2, 1952. Class 18.

Strouse, Adler Company, The, New Haven, Conn. Foundation garments. 571,022, Feb. 24; Serial No. 620,933, published Dec. 2, 1952. Class 30.

Stuart, Bruce: See—

Macintosh, Bruce S.

Sullivan Laboratories: See—

Sullivan, Willard A.

Sullivan, Willard A., doing business as Sullivan Laboratories, Huntington, W. Va. Preparation for the temporary relief of itching and irritation. 570,954, Feb. 24; Serial No. 612,223, published Nov. 25, 1952. Class 18.

Superior Pneumatic & Manufacturing, Inc., assignee: See—

Bingham-Herbrand Corporation, The.

Sure-Seal Corporation, Salt Lake City, Utah. Thermoplastic wax. 571,144, Feb. 24; Serial No. 606,910. Class 6.

Sussberg & Feinberg, Inc., New York, to Radelle Lingerie Corporation, Long Island City, N. Y. Ladies' silk underwear. 302,370, renewed Apr. 25, 1953. O. G. Feb. 24. Class 39.

Swan Luxuries Co.: See—

Koenig, Harry D.

Tam O'Shanter Sportswear, Inc., Manchester, N. H. Polo shirts and shorts, and sets thereof. 570,940, Feb. 24; Serial No. 609,191, published Oct. 7, 1952. Class 39.

Tanqueray, Gordon & Co., Ltd., London, England. Whisky. 39,631, Jan. 20, 1903. Canceled Jan. 19, 1953. O. G. Feb. 24. Class 49.

Tanqueray, Gordon & Co. Limited, London, England. Whisky. 63,062, June 4, 1907. Canceled Jan. 19, 1953. O. G. Feb. 24. Class 49.

Tate & Lyle, Limited: See—

Lyle, Abram, & Sons, Limited.

Theobald Industries, The, Kearny, N. J. General household and industrial cleanser. 570,929, Feb. 24; Serial No. 606,820, published Nov. 25, 1952. Class 52.

Theobald Industries, The, Kearny, N. J. General household and industrial cleanser. 570,930, Feb. 24; Serial No. 606,822, published Nov. 25, 1952. Class 52.

Theobald Industries, The, Kearny, N. J. General household and industrial cleanser. 570,931, Feb. 24; Serial No. 606,826, published Nov. 25, 1952. Class 52.

Thlmany Pulp & Paper Company, Kaukauna, Wis. Wrapping paper. 571,062, Feb. 24; Serial No. 625,376, published Nov. 11, 1952. Class 37.

Thompson-Lamb, Incorporated, Milton-Freewater, Greg. Fresh poultry-pan ready friers. 571,152, Feb. 24; Serial No. 617,847. Class 46.

Toch Brothers, Incorporated: See—

Toch Brothers.

Toch Brothers, New York, to Toch Brothers, Incorporated, Staten Island, N. Y. Cement preparation. 40,281, renewed May 5, 1953. O. G. Feb. 24. Class 12.

Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Lawn mowers. 571,113, Feb. 24; Serial No. 630,235, published Nov. 18, 1952. Class 23.

Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Lawn mowers. 571,114, Feb. 24; Serial No. 630,237, published Nov. 18, 1952. Class 23.

Trenchmaster, Inc., Alhambra, Calif. Excavating machine. 570,935, Feb. 24; Serial No. 607,460, published Nov. 18, 1952. Class 23.

Triac Pharmaceutical Co.: See—

Stoppelli, Caesar A.

Tropical Agriculture Co-Operative Association, Goulds, Fla. Potatoes. 571,032, Feb. 24; Serial No. 622,516, published Nov. 18, 1952. Class 46.

United Laboratories Co., Inc., Roselle, N. J. Buffing and polishing compounds. 570,939, Feb. 24; Serial No. 608,802, published Nov. 25, 1952. Class 4.

United Savings and Loan Association, Glendale, Calif. Accepting savings for deposit. 571,128, Feb. 24; Serial No. 614,472, published Dec. 2, 1952. Class 102.

United States Gypsum Company, Chicago, Ill. Vegetable fiber hard-boards consolidated under heat and pressure. 398,630, Nov. 10, 1942. Amended. O. G. Feb. 24. Class 12.

United States Time Corporation, The: See—

Ingersoll, Robt. H., & Bro.

U. S. Vitamin Corporation, New York, N. Y. Isonicotinic acid hydrazide. 571,111, Feb. 24; Serial No. 630,044, published Nov. 11, 1952. Class 18.

U. S. Vitamin Corporation, New York, N. Y. Natural citrus flavonoid compound. 571,112, Feb. 24; Serial No. 630,104, published Nov. 11, 1952. Class 18.

Upjohn Company, The, Kalamazoo, Mich. Antibiotic veterinary ointment. 570,960, Feb. 24; Serial No. 613,795, published Nov. 25, 1952. Class 18.

Urbana Laboratories, The, Urbana, Ill. Chemical reagents. 301,603, renewed Mar. 7, 1953. O. G. Feb. 24. Class 6.

Van Slyke, G. W., & Horton, Albany, N. Y., to G. W. Van Slyke & Horton, Inc., Red Lion, Pa. Cigars. 91,276, re-renewed Apr. 22, 1953. O. G. Feb. 24. Class 17.

Van Slyke, G. W., & Horton, Inc.: See—

Van Slyke, G. W., & Horton.

Victaulic Company of America, Union, N. J. Flexible pipe couplings. 571,090-1, Feb. 24; Serial Nos. 627,911-12, published Nov. 25, 1952. Class 13.

Viking Laboratories, Inc., Des Moines, Iowa. Mineral supplement. 570,863, Feb. 24; Serial No. 563,533, published Nov. 25, 1952. Class 18.

Virginia Maid Hosiery Mills, Inc., Pulaski, Va. Hosiery. 379,160, July 2, 1940. Republished Feb. 24. Class 39.

Vulcan Tool Company, The, Dayton, Ohio. Pneumatically operated machine tool attachments. 570,856, Feb. 24; Serial No. 525,719, published Nov. 18, 1952. Class 23.

Warner & Stewart, Yuma, Ariz. Fresh vegetables and melons. 402,971, Aug. 24, 1943. Republished Feb. 24. Class 46.

Warren Products Limited, London, England. Electrical parts for electric toilets. 570,861, Feb. 24; Serial No. 583,059, published Sept. 23, 1952. Class 21.

Wasco Engineering Corporation, New York, N. Y. Alkaline boiler protective liquid rust eradicator, soot remover, etc. 570,901, Feb. 24; Serial No. 590,921, published Nov. 25, 1952. Class 52.

Waukesha Motor Company, Waukesha, Wis. Internal combustion engines and parts thereof, and fuel supply systems. 570,947, Feb. 24; Serial No. 611,005, published Nov. 18, 1952. Class 23.

Webb, Jervis B., Company, Detroit, Mich. Conveyors of various types. 571,119, Feb. 24; Serial No. 632,704, published Dec. 2, 1952. Class 23.

West Disinfecting Company, Long Island City, N. Y. Disinfectant and cleanser combined. 571,057, Feb. 24; Serial No. 625,158, published Nov. 18, 1952. Class 52.

West Disinfecting Company, Long Island City, N. Y. Disinfectant and cleanser combined. 571,058, Feb. 24; Serial No. 625,160, published Nov. 18, 1952. Class 52.

West Virginia State Medical Association, Charleston, W. Va. Periodical. 297,058, renewed Aug. 30, 1952. O. G. Feb. 24. Class 38.

Western Tablet & Stationery Corporation, Dayton, Ohio. Drawing tablets. 570,857, Feb. 24; Serial No. 526,172, published Nov. 11, 1952. Class 37.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Tooth paste, mouth wash, and tooth powder. 570,980, Feb. 24; Serial No. 610,787, published Dec. 2, 1952. Class 31.

Whitfield Paper Works, Inc., Secaucus, N. J., and New York, N. Y. Paper. 570,882, Feb. 24; Serial No. 583,723, published Nov. 11, 1952. Class 37.

Wilson, C. E., Nurseries, Jacksonville, Tex., and Manchester, Conn. Nursery stock. 570,976, Feb. 24; Serial No. 614,598, published Nov. 25, 1952. Class 1.

Willson Jones Company, Chicago, Ill. Loose leaf binders. 570,928, Feb. 24; Serial No. 605,824, published Feb. 26, 1952. Class 37.

Wintress, George, assignor to Wintress Inc., New York, N. Y. Reed type sound makers adapted for use in toy horns, dolls, toy rubber animals, etc. 570,913, Feb. 24; Serial No. 599,138, published Sept. 25, 1951. Class 22.

Wintress Inc., assignee: See—

Wintress, George.

Wire-O Corporation, Poughkeepsie, N. Y. Covers for books, pamphlets, etc. 570,894, Feb. 24; Serial No. 586,828, published Nov. 11, 1952. Class 37.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clays. The Inert Company. 571,002, Feb. 24; Serial No. 618,634, published Nov. 25, 1952.

Liquid composition for coating cores and molds. Lava Crucible Company of Pittsburgh. 570,994, Feb. 24; Serial No. 617,757, published Nov. 25, 1952.

Live chickens and chicken eggs. A. S. Anderson. 571,069, Feb. 24; Serial No. 625,877, published Nov. 25, 1952.

Live chickens. Spanish Bit Chickens Ranch. 571,044, Feb. 24; Serial No. 623,809, published Nov. 25, 1952.

Micron sized colloidal silica. The Davison Chemical Corporation. 571,014, Feb. 24; Serial No. 610,926, published Nov. 25, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Natural, synthetic, and reclaimed rubbers. Socfin Company, Limited. 570,999, Feb. 24; Serial No. 618,434, published Nov. 25, 1952.

Nursery stock. C. E. Wilson Nurseries. 570,976, Feb. 24; Serial No. 614,598, published Nov. 25, 1952.

Pitch. Koppers Company, Inc. 571,039, Feb. 24; Serial No. 623,354, published Nov. 25, 1952.

Seed. Lawn. Seaboard Seed Company. 571,055, Feb. 24; Serial No. 624,798, published Nov. 25, 1952.

Seeds. Field and garden. Knauf & Tesch Company. 571,004, Feb. 24; Serial No. 618,743, published Nov. 25, 1952.

CLASS 2

Bags and boxes. Moth and vermin repellent. Roseth Corporation. 302,238, renewed Apr. 4, 1953. O. G. Feb. 24.

Bowls. Empty transparent plastic ash. E. A. Rice. 571,133, Feb. 24; Serial No. 580,096.

CLASS 3

Trunks. Hartmann Company. 571,145, Feb. 24; Serial No. 609,129.

CLASS 4

Abrasive grains. Artificial. The Carborandum Company. 300,470, renewed Jan. 24, 1953. O. G. Feb. 24.

Buffing and polishing compounds. United Laboratories Co., Inc. 570,939, Feb. 24; Serial No. 608,802, published Nov. 25, 1952.

CLASS 6

By-product from sulphite mill waste. The Ontario Paper Company Limited. 571,094, Feb. 24; Serial No. 628,118, published Nov. 4, 1952.

Chemical reagents. The Urbana Laboratories. 301,663, renewed Mar. 7, 1953. O. G. Feb. 24.

Disinfectant and bleach tablets. Glass Products Co., Inc. 570,968, Feb. 24; Serial No. 613,206, published Nov. 4, 1952.

Insecticides. Southern Agricultural Insecticides, Inc. 571,011, Feb. 24; Serial No. 619,723, published Dec. 2, 1952.

Resin emulsion, resin dispersions and melt compositions. The American Resinous Chemicals Corporation. 570,876, Feb. 24; Serial No. 577,506, published Nov. 25, 1952.

Thermoplastic wax. Sure-Seal Corporation. 571,144, Feb. 24; Serial No. 606,910.

CLASS 7

Twines, Post, kite corde, household twines, etc. Cleveland Mills Co. 571,048, Feb. 24; Serial No. 624,183, published Dec. 2, 1952.

CLASS 8

Cigarette makers. H. O. Herman. 570,993, Feb. 24; Serial No. 617,028, published Nov. 4, 1952.

Lighters. Pyrophoric. M. Quercia. 570,878, Feb. 24; Serial No. 578,705, published Nov. 11, 1952.

CLASS 9

Firearms, cartridges, and rounds of ammunition. N. V. Nederlandse Machinefabriek "Artillerie Inrichtingen." 571,023, Feb. 24; Serial No. 621,080, published Dec. 2, 1952.

CLASS 10

Soil conditioner. Drum Chemicals, Inc. 571,115, Feb. 24; Serial No. 631,345, published Dec. 2, 1952.

CLASS 12

Castable refractory material. Pilbrico Jointless Firebrick Company. 570,900, Feb. 24; Serial No. 597,161, published Nov. 25, 1952.

Cement preparation. Toch Brothers. 40,281, re-renewed May 5, 1953. O. G. Feb. 24.

Colored plastic-containing fibers of glass for use as construction material. International Molded Plastics, Inc. 570,979, Feb. 24; Serial No. 614,831, published Nov. 25, 1952.

Expansion joints and gaskets. W. Grund. 571,041, Feb. 24; Serial No. 623,541, published Dec. 2, 1952.

Glass bedding compound and putty-like compounds. Minnesota Mining & Manufacturing Company. 570,877, Feb. 24; Serial No. 577,802, published Nov. 25, 1952.

Rubber additive for asphaltic concrete or for concrete. The Flintkote Company. 571,064, Feb. 24; Serial No. 625,328, published Oct. 14, 1952.

Shingles. Mineral-surfaced asphalt saturated felt. Glove Siding Products Company. 570,962, Feb. 24; Serial No. 613,001, published Nov. 25, 1952.

Vegetable fiber hard-boards consolidated under heat and pressure. United States Gypsum Company. 398,630, Nov. 10, 1942. Amended. O. G. Feb. 24.

CLASS 13

Coupling and releasing type mechanical fasteners, buckles, clamps, etc. Interlock Corporation. 570,934, Feb. 24; Serial No. 607,081, published Dec. 2, 1952.

Enameled metal containers—namely, baby bath tubs, foot bath tubs, etc. The Bellaire Enamel Company. 570,875, Feb. 24; Serial No. 576,441, published Dec. 2, 1952.

Flexible pipe couplings. Victaulic Company of America. 571,090-1, Feb. 24; Serial Nos. 627,911-12, published Nov. 25, 1952.

Toilet seats. Herculean Appliance Corporation. 570,889, Feb. 24; Serial No. 585,705, published Dec. 2, 1952.

Valves. Air-release, vacuum valve, rate of flow controllers, etc. Simplex Valve and Meter Company. 301,004, renewed Mar. 21, 1953. O. G. Feb. 24.

CLASS 15

Fuel oil sludge dispersants. Dearborn Chemical Company. 570,985, Feb. 24; Serial No. 616,590, published Dec. 2, 1952.

Lubricants, lubricating oils and greases, etc. Dow Corning Corporation. 571,013, Feb. 24; Serial No. 619,816, published Dec. 2, 1952.

CLASS 16

Paints. Art-Cement Manufacturing Co. 571,017, Feb. 24; Serial No. 620,294, published Dec. 2, 1952.

Paints and varnishes. W. J. Lynch Paint & Varnish Co., Inc. 442,022, Feb. 5, 1949. Canceled Jan. 16, 1953. O. G. Feb. 24.

Paints. Interior and exterior, calcimine, paint and baking enamels, etc. Fatak Brothers, Inc. 571,132, Feb. 24; Serial No. 593,870.

CLASS 17

Cigarettes. Peter Jackson (Overseas) Limited. 571,018, Feb. 24; Serial No. 620,424, published Nov. 18, 1952.

Cigars. G. W. Van Slyke & Horton. 91,276, re-renewed Apr. 22, 1953. O. G. Feb. 24.

Peppermint leaves used as a substitute for tobacco. K & T Co. 571,083, Feb. 24; Serial No. 626,796, published Nov. 18, 1952.

Tobacco. Smoking and chewing. The American Tobacco Company. 570,941, Feb. 24; Serial No. 609,623, published Nov. 25, 1952.

CLASS 18

Antacid tablets. Graff-Marks. 570,997, Feb. 24; Serial No. 618,277, published Nov. 11, 1952.

Antibacterial preparation. E. R. Squibb & Sons. 571,121, Feb. 24; Serial No. 632,903, published Dec. 2, 1952.

Bacteriostatic substance. Schenley Laboratories, Inc. 435,779-80, Jan. 6, 1948. Republished Feb. 24.

Chemo-therapeutic agent. Farbenfabriken Bayer. 571,110, Feb. 24; Serial No. 629,660, published Nov. 11, 1952.

Chewing gum containing medicaments. Crawford Gum Company, Inc. 570,986, Feb. 24; Serial No. 616,609, published Nov. 11, 1952.

Compound for treating stomach distress, etc. Plough, Inc. 570,910, Feb. 24; Serial No. 597,780, published July 17, 1951.

Concentrated preparation of the uncoagulated juice of silver for use in the treatment of anaemia. Oxo, Limited. 571,147, Feb. 24; Serial No. 611,804.

Cough drops, a medical preparation. Candy Bros. Manufacturing Company. 344,563, Mar. 30, 1937. Canceled Jan. 22, 1953. O. G. Feb. 24. (Formerly Class 6.)

Cough mixture. C. A. Stoppelli. 570,998, Feb. 24; Serial No. 618,406, published Dec. 2, 1952.

Cough syrup. J. U. Orenstein. 302,745, renewed Apr. 25, 1953. O. G. Feb. 24.

Epsom salts. American Stores Company. 570,900, Feb. 24; Serial No. 588,618, published Nov. 25, 1952.

Eye drops. Broemmot Pharmaceuticals. 571,006, Feb. 24; Serial No. 610,178, published Nov. 25, 1952.

Eye-salve. Howard Bros. Chemical Co. 89,262, re-renewed Dec. 3, 1952. O. G. Feb. 24.

Eye-salve, plic remedy, cathartic tablets, and eye-water. Howard Bros. Chemical Co. 89,364, re-renewed Dec. 10, 1952. O. G. Feb. 24.

Isonicotinic acid hydrazide. U. S. Vitamin Corporation. 571,111, Feb. 24; Serial No. 630,044, published Nov. 11, 1952.

Liquid compound for external treatment of skin eruptions, irritations and infections. B. R. Perez. 571,031, Feb. 24; Serial No. 622,511, published Nov. 11, 1952.

Liver extract. N. V. Organon Oas Netherlands. 302,933, renewed May 2, 1953. O. G. Feb. 24.

Macro crystalline suspensions of hormones. Ciba Pharmaceutical Products, Inc. 570,880, Feb. 24; Serial No. 582,024, published Aug. 14, 1951.

Medicated chewing gum tablets. H. D. Koenig. 571,120, Feb. 24; Serial No. 632,730, published Dec. 2, 1952.

Medication to be used by dentists. Laclede Laboratories, Inc. 570,963, Feb. 24; Serial No. 613,010, published Nov. 11, 1952.

Medicine for treating malaria. G. S. Raisz. 570,937, Feb. 24; Serial No. 608,030, published Nov. 11, 1952.

Medicinal preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 571,116, Feb. 24; Serial No. 631,541, published Dec. 2, 1952.

Medicinal preparation. Hoffmann-La Roche Inc. 570,951, Feb. 24; Serial No. 611,572, published Nov. 11, 1952.

Medicinal preparation. McDonald Drug. 570,926, Feb. 24; Serial No. 604,983, published Nov. 11, 1952.

Medicinal preparation. E. S. Miller Laboratories, Inc. 571,052, Feb. 24; Serial No. 624,496, published Dec. 2, 1952.

Mineral supplement. Viking Laboratories, Inc. 570,863, Feb. 24; Serial No. 563,533, published Nov. 25, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Natural citrus flavonoid compound. U. S. Vitamin Corporation. 571,112, Feb. 24; Serial No. 630,104, published Nov. 11, 1952.

Ointment, Antibiotic veterinary. The Upjohn Company. 570,969, Feb. 24; Serial No. 613,795, published Nov. 23, 1952.

Ointment, Skin. Musker Foundation Incorporated. 570,949, Feb. 24; Serial No. 611,041, published Nov. 23, 1952.

Para-aminosalicylic acid and para-aminosalicylate acid, and sodium para-aminosalicylate, etc. Pacific States Laboratories. 570,800, Feb. 24; Serial No. 585,717, published Nov. 23, 1952.

Pharmaceutical preparation. F. Bertucci. 570,898, Feb. 24; Serial No. 588,140, published Nov. 23, 1952.

Pharmaceutical preparations. James Erwin Company, Inc. 571,012, Feb. 24; Serial No. 619,747, published Dec. 2, 1952.

Pile remedy. Howard Bros. Chemical Co. 80,264, re-renewed Dec. 3, 1952. O. G. Feb. 24.

Plasma volume expander. Laros Textiles Company. 571,033, Feb. 24; Serial No. 622,600, published Nov. 11, 1952.

Preparation for the temporary relief of itching and irritation. W. A. Sullivan. 570,934, Feb. 24; Serial No. 612,223, published Nov. 23, 1952.

Preparation for the treatment of diarrhea. Strong, Cobb & Company, Inc. 571,118, Feb. 24; Serial No. 632,701, published Dec. 2, 1952.

Sulfonamide suspension. Sharp & Dohme, Incorporated. 571,040, Feb. 24; Serial No. 623,372, published Dec. 2, 1952.

Tablets for analgesic, antipyretic and sedative purposes. Ames Company, Inc. 571,117, Feb. 24; Serial No. 632,192, published Sept. 16, 1952.

Therapeutic preparations. Ortho Pharmaceutical Corporation. 570,905, Feb. 24; Serial No. 592,160, published Nov. 23, 1952.

Tonic bitters. Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited. 80,132, Feb. 11, 1913. Amended. O. G. Feb. 24. (Formerly Class 6.)

Tonic, Liquid. The Garmal Company. 571,030, Feb. 24; Serial No. 622,452, published Nov. 11, 1952.

Worm-syrup, blood-purifier, tablets for liver, etc. Howard Bros. Chemical Co. 80,363, re-renewed Dec. 10, 1952. O. G. Feb. 24.

CLASS 19

Automobiles and trucks. Used. General Motors Corporation. 570,912, Feb. 24; Serial No. 598,994, published May 27, 1952.

Trake adjusting mechanism. R. H. Shively. 564,561, Sept. 30, 1952. Corrected. O. G. Feb. 24.

Pre-shaped pneumatic seat fillers. Parker, Stearns and Company. 570,887, Feb. 24; Serial No. 584,992, published Sept. 4, 1951.

CLASS 21

Bollers, Electrode steam. Livingstone Engineering Company. 571,150, Feb. 24; Serial No. 616,430.

Distributors, generators, generator armatures, etc. Electric. Car Controls, Inc. 570,864, Feb. 24; Serial No. 565,908, published Sept. 23, 1952.

Electric coffee percolator. Continental Silver Co., Inc. 571,138, Feb. 24; Serial No. 587,854.

Electric motors. Motor Wheel Corporation. 570,916, Feb. 24; Serial No. 600,903, published Sept. 23, 1952.

Electrical clocks, electrolysis machines, and parts thereof. Omega Manufacturing Company, Incorporated. 333,795-6, Apr. 7, 1936. Canceled Jan. 16, 1953. O. G. Feb. 24.

Electrical parts for electric toilets. Warren Products Limited. 570,881, Feb. 24; Serial No. 583,059, published Sept. 23, 1952.

Electrical space discharge tubes. Raytheon Production Corporation. 299,507, renewed Dec. 6, 1952. O. G. Feb. 24.

Electromagnetic signal boosters and amplifiers. The Alliance Manufacturing Company. 571,021, Feb. 24; Serial No. 620,636, published Sept. 23, 1952.

Electro-mechanical resonator. Rahm Instruments, Inc. 570,956, Feb. 24; Serial No. 612,352, published Sept. 23, 1952.

Lamps, Electric. The Haeger Pottery, Inc. 570,983, Feb. 24; Serial No. 615,832, published Sept. 23, 1952.

Lamps, Incandescent reflector. Amplex Corporation. 571,151, Feb. 24; Serial No. 617,044.

Lamps or bulbs, Incandescent. Lustra Corporation of America. 571,034, Feb. 24; Serial No. 622,944, published Sept. 23, 1952.

Portable and stationary assemblies containing electric infra-red heating tubes, etc. Radiant Ray Corporation. 571,142, Feb. 24; Serial No. 594,584.

Separators for electric storage batteries. American Felt Company. 571,046, Feb. 24; Serial No. 624,071, published Sept. 23, 1952.

Spark plugs, spark plug porcelain, and ignition terminals. General Motors Corporation. 571,016, Feb. 24; Serial No. 620,207, published Sept. 23, 1952.

Storage batteries, dry batteries, radio accessories consisting of tubes and condensers, etc. E. H. Ewald. 320,045, Dec. 18, 1934. Canceled Jan. 16, 1953. O. G. Feb. 24.

Telephone answering and message recording machines. Automatic. Ericsson Telephone Sales Corporation. 570,977, Feb. 24; Serial No. 614,657, published Sept. 23, 1952.

Television receivers. Motorola, Inc. 571,146, Feb. 24; Serial No. 609,249.

Tubes, Electron-discharge. Compagnie Francaise Thomson-Houston. 571,007, Feb. 24; Serial No. 610,446, published Sept. 23, 1952.

Units for local, voice-communicating, electronically operated, inter-communication systems. Solosound Industries, Inc. 570,945, Feb. 24; Serial No. 610,592, published Oct. 28, 1952.

CLASS 22

Artificial fish lures. C. D. Lovelace. 571,070, Feb. 24; Serial No. 625,913, published Dec. 2, 1952.

Dolls, Molded plastic. Irwin Corporation. 570,990, Feb. 24; Serial No. 616,910, published Dec. 2, 1952.

Game, Jigsaw puzzle. Jaymar Specialty Company. 571,101, Feb. 24; Serial No. 628,487, published Dec. 2, 1952.

Minnow buckets. The Hamilton Metal Products Company. 570,958, Feb. 24; Serial No. 612,608, published Dec. 2, 1952.

Reed type sound makers adapted for use in toy horns, dolls, toy rubber animals, etc. G. Wintriss. 570,913, Feb. 24; Serial No. 599,138, published Sept. 25, 1951.

Sled. Kalamazoo Sled Company. 571,104, Feb. 24; Serial No. 628,096, published Dec. 2, 1952.

Toys. W. Boyd. 571,072, Feb. 24; Serial No. 626,191, published Dec. 2, 1952.

CLASS 23

Apparatus for the treatment of solids suspended in liquids. The Dorr Company, Inc. 303,107, renewed May 9, 1953. O. G. Feb. 24.

Automotive gears, automotive axle shafts, automotive transmissions, etc. National Automotive Parts Association. 571,129, Feb. 24; Serial No. 591,506, published Nov. 18, 1952.

Automotive power units. Jack & Heints Precision Industries, Inc. 570,886, Feb. 24; Serial No. 587,491, published Nov. 18, 1952.

Base metal table cutlery. National Silver Company. 571,100, Feb. 24; Serial No. 628,421, published Nov. 18, 1952.

Can-openers. Can Manufacturers Institute, Inc. 571,128, Feb. 24; Serial No. 626,023, published Nov. 11, 1952.

Combined clutch and brake mechanism. Clearing Machine Corporation. 578,895, Feb. 24; Serial No. 587,380, published May 1, 1951.

Conveyors of various types. Jervis B. Webb Company. 571,119, Feb. 24; Serial No. 632,704, published Dec. 2, 1952.

Cranes, Overhead traveling, overhead hoists, gantry cranes, etc. Harnischfeger Corporation. 570,924, Feb. 24; Serial No. 604,783, published Nov. 4, 1952.

Disc harrows. Farm Tools, Inc. 571,043, Feb. 24; Serial No. 623,755, published Nov. 18, 1952.

Drink-vending machines. Automatic. Automatic Products Co. 570,879, Feb. 24; Serial No. 579,253, published Oct. 21, 1952.

Excavating machines. Treuchmaster, Inc. 570,935, Feb. 24; Serial No. 607,460, published Nov. 18, 1952.

Fluid pressure apparatus. Solar Aircraft Company. 570,917, Feb. 24; Serial No. 600,927, published Nov. 18, 1952.

Foundry equipment. Frederic B. Stevens, Incorporated. 570,893, Feb. 24; Serial No. 586,606, published Nov. 4, 1952.

Hammer. Chambersburg Engineering Company. 571,087, Feb. 24; Serial No. 627,673, published Nov. 4, 1952.

Hammers, Pneumatic air. The Blingham-Herbrand Corporation. 570,961, Feb. 24; Serial No. 612,844, published Nov. 11, 1952.

Internal combustion engines and parts thereof, and full supply systems. Waukesha Motor Company. 570,947, Feb. 24; Serial No. 611,005, published Nov. 18, 1952.

Knives and forks. The Ontario Knife Company. 570,938, Feb. 24; Serial No. 608,257, published Nov. 18, 1952.

Lawn mowers. Toro Manufacturing Corporation of Minnesota. 571,113, Feb. 24; Serial No. 630,235, published Nov. 18, 1952.

Lawn mowers. Toro Manufacturing Corporation of Minnesota. 571,114, Feb. 24; Serial No. 630,237, published Nov. 18, 1952.

Lubricating equipment. Stewart-Warner Corporation. 570,885, Feb. 24; Serial No. 584,361, published Nov. 18, 1952.

Machine tool attachments, pneumatically operated. The Vulcan Tool Company. 570,850, Feb. 24; Serial No. 525,719, published Nov. 18, 1952.

Manifolding registers. Autographic Register Company. 570,870, Feb. 24; Serial No. 574,186, published Aug. 26, 1952.

Mining and mill machinery and equipment. Denver Equipment Company. 570,859, Feb. 24; Serial No. 538,106, published Nov. 18, 1952.

Mixers, Industrial. Par Equipment, Inc. 571,045, Feb. 24; Serial No. 624,049, published Nov. 23, 1952.

Mufflers, Exhaust mufflers for explosive engines, and parts thereof. Pratt Industries, Inc. 571,003, Feb. 24; Serial No. 618,714, published Nov. 11, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

Paper pulp working machines. A. J. Haug. 570,933, Feb. 24; Serial No. 607,079, published Nov. 18, 1952.

Power driven brushes. M. W. Jenkins Sons, Inc. 570,919, Feb. 24; Serial No. 602,403, published Nov. 11, 1952.

Pumps and parts therefor. Non self-measuring auto fuel, carburetors and parts therefor. Standard Products Company. 570,867, Feb. 24; Serial No. 567,887, published Nov. 18, 1952.

Pumps, hydraulic motors, hydraulic transmissions, etc. The Oilgear Company. 570,865-6, Feb. 24; Serial Nos. 566,000-1, published Nov. 11, 1952.

Razor blades. P. R. Paradise. 571,054, Feb. 24; Serial No. 624,566, published Sept. 2, 1952.

Saws, Hand-operated food-cutting. Larsen Manufacturing Company. 570,897, Feb. 24; Serial No. 587,808, published Nov. 23, 1952.

Sewing-machine needles. The Singer Manufacturing Company. 91,518, re-renewed May 8, 1953. O. G. Feb. 24.

Spoons, Basting and serving, ladies, steak knives, etc. Nathan Straus-Duparquet, Inc. 570,920, Feb. 24; Serial No. 603,607, published Sept. 30, 1952.

Stapling machines. Markwell Manufacturing Co., Inc. 571,078, Feb. 24; Serial No. 626,320, published Oct. 21, 1952.

Taping machines, Automatic. S. R. Burns. 299,293, renewed Nov. 29, 1952. O. G. Feb. 24.

Tweezers, Watchmakers'. C. & E. Marshall Company. 571,076, Feb. 24; Serial No. 626,292, published Nov. 11, 1952.

Typewriters, Automatic. International Business Machines Corporation. 570,957, Feb. 24; Serial No. 612,498, published Nov. 4, 1952.

CLASS 26

Cameras, Photographic. Burtleigh Brooks Co. 571,047, Feb. 24; Serial No. 624,122, published Nov. 18, 1952.

Dynamometers, Vehicular chassis. Otis Elevator Company. 570,868, Feb. 24; Serial No. 568,861, published Nov. 18, 1952.

Fluorescent detectors and comparators. Menlo Research Laboratory. 570,921, Feb. 24; Serial No. 603,636, published Aug. 12, 1952.

Protective devices. National Cylinder Gas Company. 522,170, Mar. 14, 1950. Canceled Jan. 16, 1953. O. G. Feb. 24.

CLASS 27

Watches and clocks. Robt. H. Ingersoll & Bro. 89,265-6, re-renewed Dec. 3, 1952. O. G. Feb. 24.

CLASS 28

Wrist watch straps. Laeko Strap Company. 538,751, Feb. 27, 1951. Canceled Jan. 16, 1953. O. G. Feb. 24.

CLASS 29

Brush strip, paint brushes, wall brushes, etc. The Osborn Manufacturing Company. 571,005, Feb. 24; Serial No. 619,102, published Dec. 2, 1952.

CLASS 30

Chinaware. Stetson China Co., Inc. 570,973, Feb. 24; Serial No. 614,370, published Nov. 23, 1952.

Chinaware. Stetson China Co., Inc. 570,974, Feb. 24; Serial No. 614,371, published Nov. 18, 1952.

Cooking ware. S. L. Gerson. 571,092, Feb. 24; Serial No. 628,101, published Nov. 23, 1952.

Cups, saucers and dishes. S. T. Nalto. 571,019, Feb. 24; Serial No. 620,522, published Nov. 23, 1952.

Dinnerware. Stetson China Co., Inc. 571,107, Feb. 24; Serial No. 629,130, published Nov. 23, 1952.

Dinnerware. Stetson China Co., Inc. 571,108, Feb. 24; Serial No. 629,132, published Nov. 23, 1952.

CLASS 31

Ice-making machines. Liquid Freeze Corporation. 571,140, Feb. 24; Serial No. 590,984.

CLASS 32

Chairs, Various types of, seating and other furniture, etc. American Seating Company. 570,927, Feb. 24; Serial No. 605,399, published Nov. 23, 1952.

Furniture, Metal office. Security Steel Equipment Corporation. 570,862, Feb. 24; Serial No. 558,816, published Jan. 13, 1952.

Furniture, Upholstered living room and bed room. Honeycutt Manufacturing Company, Inc. 571,093, Feb. 24; Serial No. 628,274, published Nov. 18, 1952.

Sofas, Convertible. Slumber Products Corporation. 571,089, Feb. 24; Serial No. 627,903, published Nov. 18, 1952.

CLASS 33

Glass dishes. Mealpack Corporation. 571,028, Feb. 24; Serial No. 622,218, published Nov. 23, 1952.

Glass, Plate, mirror, optical, and window. Fish-Schurman Corporation. 571,109, Feb. 24; Serial No. 629,428, published Dec. 2, 1952.

Glass, Sheet. American Window Glass Company. 571,103, Feb. 24; Serial No. 628,515, published Nov. 23, 1952.

Glasses, Drinking, pitchers, coasters, etc. Federated Department Stores, Inc. 571,080, Feb. 24; Serial No. 626,017, published Dec. 2, 1952.

CLASS 35

Tires, Pneumatic. The Republic Rubber Company. 91,249-50, re-renewed Apr. 22, 1953. O. G. Feb. 24.

Tires, Resilient vehicle, and inner tubes. The Kelly-Springfield Tire Company. 301,994, renewed Mar. 21, 1953. O. G. Feb. 24.

CLASS 36

Reed holders. Reed-Tain, Inc. 570,972, Feb. 24; Serial No. 614,216, published Dec. 2, 1952.

CLASS 37

Blank memorandum and index book. C. M. Pollock. 570,987, Feb. 24; Serial No. 616,725, published Nov. 11, 1952.

Business forms, Partially-printed. F. C. Fowler. 570,906, Feb. 24; Serial No. 592,896, published Nov. 11, 1952.

Cardboard covers. H. W. Bernstein. 570,978, Feb. 24; Serial No. 614,808, published Nov. 11, 1952.

Covers for books, pamphlets, etc. Wire-O Corporation. 570,894, Feb. 24; Serial No. 586,828, published Nov. 11, 1952.

Drawing tablets. Western Tablet & Stationery Corporation. 570,857, Feb. 24; Serial No. 526,172, published Nov. 11, 1952.

Loose leaf binders. H. M. Reis. 570,932, Feb. 24; Serial No. 607,042, published Nov. 11, 1952.

Loose leaf binders. Wilson Jones Company. 570,928, Feb. 24; Serial No. 605,824, published Feb. 26, 1952.

Paper. Whitfield Paper Works, Inc. 570,882, Feb. 24; Serial No. 583,723, published Nov. 11, 1952.

Paper, Butchers' kraft wrapping. Southern Advance Bag & Paper Co., Inc. 570,992, Feb. 24; Serial No. 616,990, published Nov. 11, 1952.

Paper, Kraft wrapping. Southern Advance Bag & Paper Co., Inc. 570,991, Feb. 24; Serial No. 616,989, published Nov. 11, 1952.

Paper napkins, paper towels, and toilet tissue. Erving Paper Mills. 571,061, Feb. 24; Serial No. 625,319, published Nov. 11, 1952.

Paper, Nonsensitized. Gevaert Photo-Producten N. V. 571,077, Feb. 24; Serial No. 626,322, published Nov. 11, 1952.

Paper towels, paper napkins, toilet paper, etc. Fort Howard Paper Company. 281,472, Mar. 17, 1931. Amended. O. G. Feb. 24.

Paper, Wrapping. Thimany Pulp & Paper Company. 571,062, Feb. 24; Serial No. 625,376, published Nov. 11, 1952.

Pencils, Lead. Blyantfabriken Viking A/S. 570,925, Feb. 24; Serial No. 604,833, published Nov. 11, 1952.

Pens, Fountain, and desk sets. Changeoint, Inc. 571,153, Feb. 24; Serial No. 626,367.

Printed forms, Partially. Diagulis Inc. 570,860, Feb. 24; Serial No. 542,910, published Nov. 11, 1952.

Recipe books, Partially printed. Sassafras Farm. 570,907, Feb. 24; Serial No. 593,445, published Nov. 11, 1952.

School tablets, composition books, and fillers therefor. Hano Paper Company, Incorporated. 570,858, Feb. 24; Serial No. 535,702, published Nov. 11, 1952.

Toilet paper, paper napkins, paper towels, etc. Fort Howard Paper Company. 153,449, Mar. 21, 1922. Amended. O. G. Feb. 24.

Toilet paper, paper towels, paper napkins, etc. Fort Howard Paper Company. 206,994, Dec. 15, 1925. Amended. O. G. Feb. 24.

Toilet paper, paper towels, paper napkins, etc. Fort Howard Paper Company. 235,462, Nov. 22, 1927. Amended. O. G. Feb. 24.

Toilet paper, paper towels, paper napkins, etc. Fort Howard Paper Company. 298,870, Nov. 8, 1932. Amended. O. G. Feb. 24.

Wrapping-paper and box-board, Straw, chip, and jute. J. D. Bowersock. 88,836, Oct. 29, 1912. Republished Feb. 24.

Writing instruments. Eversharp, Inc. 570,886, Feb. 24; Serial No. 584,899, published Mar. 11, 1952.

CLASS 38

Magazine section, architectural plans, and pamphlets. Meredith Publishing Company. 431,414, July 22, 1947. Republished Feb. 24.

Periodical. West Virginia State Medical Association. 297,058, renewed Aug. 30, 1952. O. G. Feb. 24.

CLASS 39

Bibs, Molded plastic. J. R. Arseneault. 570,922, Feb. 24; Serial No. 604,416, published Nov. 23, 1952.

Boots, pacs, overshoes, etc. Rubber. Goodyear Rubber Company. 521,214, Feb. 21, 1950. Canceled Jan. 8, 1953. O. G. Feb. 24.

Caps and fur felt hats. Malroy Hat and Cap Co. 299,422, renewed Dec. 6, 1952. O. G. Feb. 24.

Cloth coats and fur lined and fur trimmed cloth coats, Women's and misses'. Morris Schwartz & Sons, Inc. 570,967, Feb. 24; Serial No. 613,425, published Oct. 28, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

- Clothing, Ladies'. S. Cutler & Sons, Inc. 571,075, Feb. 24; Serial No. 626,190, published Oct. 7, 1952.
- Clothing, Men's, women's clothing, children's clothing. Federated Department Stores, Inc. 571,037, Feb. 24; Serial No. 623,133, published Oct. 7, 1952.
- Coats and suits, Ladies' and Juniors'. Baltech & Castaldi, Inc. 570,960, Feb. 24; Serial No. 612,782, published Nov. 18, 1952.
- Coats and suits, Misses' and women's. Linker & Herbert, Inc. 570,915, Feb. 24; Serial No. 600,493, published Nov. 18, 1952.
- Coats and suits, Women's, misses' and Juniors'. Klein Coat Corporation. 570,988, Feb. 24; Serial No. 616,789, published Nov. 18, 1952.
- Coats, Study. M. R. Fliselman Co. 570,982, Feb. 24; Serial No. 615,769, published Nov. 18, 1952.
- Coats, suits, dresses, etc., Women's. Gamble-Skogmo, Inc. 543,513, June 5, 1951. Canceled Jan. 16, 1953. O. G. Feb. 24.
- Coats, vests, trousers, etc. J. Schoeneman, Inc. 570,883, Feb. 24; Serial No. 583,950, published June 27, 1950.
- Coats, Women's, misses' and Juniors'. Country Tweeds Incorporated. 570,911, Feb. 24; Serial No. 598,894, published Nov. 25, 1952.
- Dresses, halters, outer shorts, etc., Women's, misses' and children's previous textile. Koret of California, Inc. 570,944, Feb. 24; Serial No. 610,407, published Feb. 26, 1952.
- Dresses, suits, and coats, Ladies' and misses'. B. S. MacIntosh. 570,975, Feb. 24; Serial No. 614,447, published Oct. 28, 1952.
- Dungarees, overalls, and boxer longies. Kiddies' and girls'. Blue Bell, Inc. 571,038, Feb. 24; Serial No. 622,986, published Oct. 7, 1952.
- Footwear, Women's and children's. Eastland Shoes, Inc. 570,923, Feb. 24; Serial No. 604,425, published Nov. 18, 1952.
- Foundation garments. The Strouse, Adler Company. 571,022, Feb. 24; Serial No. 620,933, published Dec. 2, 1952.
- Garments, Infants' outer. Samuel Diamond & Sons, Inc. 570,918, Feb. 24; Serial No. 602,087, published Nov. 25, 1952.
- Garments, Women's and children's. The Eastern Isles, Inc. 571,020, Feb. 24; Serial No. 620,593, published Oct. 7, 1952.
- Garments, Women's and children's. Royal Robes, Inc. 571,084, Feb. 24; Serial No. 627,010, published Nov. 18, 1952.
- Hats, Jeans, handkerchiefs, etc., Women's and girls'. Annie Oakley Enterprises, Inc. 571,105, Feb. 24; Serial No. 628,734, published Nov. 25, 1952.
- Hats, Women's. Hat Corporation of America. 570,903, Feb. 24; Serial No. 591,421, published Nov. 28, 1950.
- Hats, Women's. R. H. Macy & Co., Inc. 299,427, renewed Dec. 6, 1952. O. G. Feb. 24.
- Head coverings, Ladies' treated cloth. A. L. Crowther. 570,908, Feb. 24; Serial No. 594,895, published Oct. 7, 1952.
- Heels for shoes. Gabriel-Century Wood Heel Corporation. 571,059, Feb. 24; Serial No. 625,200, published Nov. 18, 1952.
- Hosiery. Virginia Maid Hosiery Mills, Inc. 379,180, July 2, 1940. Republished Feb. 24.
- Hosiery, Women's. Steuer & Varnos. 571,106, Feb. 24; Serial No. 628,789, published Nov. 25, 1952.
- Hosiery, Women's and girls'. Liberty Hosiery Mills, Inc. 571,102, Feb. 24; Serial No. 628,500, published Nov. 25, 1952.
- Jackets, slacks, and trousers. Children's. Kessner & Rabinowitz, Inc. 571,149, Feb. 24; Serial No. 615,457.
- Outerwear, Ladies' and misses'. Leeds Ltd. Coats, Inc. 571,088, Feb. 24; Serial No. 627,752, published Nov. 18, 1952.
- Overalls, dungarees and outer shirts, Men's and boys'. Blue Bell, Inc. 571,035, Feb. 24; Serial No. 622,984, published Oct. 7, 1952.
- Pajamas, pajama coats, beach coats, etc., Ladies' and girls'. Kaylon Incorporated. 571,025, Feb. 24; Serial No. 621,367, published Nov. 18, 1952.
- Shirts and jackets. Woolen. Pearce Manufacturing Company. 570,872, Feb. 24; Serial No. 575,085, published Nov. 18, 1952.
- Shirts and underwear, Men's dress and negligee. National Shirt Shops of Delaware, Inc. 570,891, Feb. 24; Serial No. 585,974, published Oct. 7, 1952.
- Shirts, Polo, and shorts, and sets thereof. Tam O'Shanter Sportswear, Inc. 570,940, Feb. 24; Serial No. 600,191, published Oct. 7, 1952.
- Shoe heels, taps, and soles. O'Sullivan Rubber Corporation. 570,855, Feb. 24; Serial No. 523,032, published Nov. 18, 1952.
- Shoe soles. Gro-Cord Rubber Company. 571,053, Feb. 24; Serial No. 624,537, published Oct. 28, 1952.
- Shoe soles, Plastic composition. Jameffer Manufacturing Co., Inc. 570,965, Feb. 24; Serial No. 613,172, published Nov. 11, 1952.
- Shoes. Alky Shoes, Inc. 570,953, Feb. 24; Serial No. 611,873, published Jan. 8, 1952.
- Shoes. The Cambridge Rubber Company. 571,073, Feb. 24; Serial No. 626,194, published Nov. 18, 1952.
- Shoes. Cannon Shoe Company. 571,071, Feb. 24; Serial No. 626,024, published Nov. 18, 1952.
- Shoes. K.P. Shoe Co. 571,082, Feb. 24; Serial No. 626,740, published Nov. 18, 1952.
- Shoes. M. D. Shoe Co. 571,056, Feb. 24; Serial No. 624,958, published Nov. 18, 1952.
- Shoes. Miles Shoes Incorporated. 571,038, Feb. 24; Serial No. 623,313, published Oct. 28, 1952.
- Shoes, Boys'. A. S. Kreider Shoe Manufacturing Company. 570,884, Feb. 24; Serial No. 584,333, published Apr. 1, 1952.
- Shoes, Children's. Kline Brothers Co. 571,003, Feb. 24; Serial No. 628,110, published Nov. 18, 1952.
- Shoes, Ladies' and children's leather and fabric. Air Line Footwear Corp. 570,952, Feb. 24; Serial No. 611,872, published Nov. 18, 1952.
- Shoes, play shoes, and slippers, Ladies' and misses'. Sons Shoe Company. 571,042, Feb. 24; Serial No. 623,738, published Nov. 18, 1952.
- Shoes, Leather moccasins. A. Sandler Co. 570,940, Feb. 24; Serial No. 610,717, published Nov. 18, 1952.
- Shoes, Men's, women's, and children's. Avon Shoe Co., Inc. 571,010, Feb. 24; Serial No. 619,897, published Dec. 2, 1952.
- Shoes, Men's, women's, and children's. Curtis-Stephens Embroidery Co., Inc. 570,892, Feb. 24; Serial No. 586,268, published Nov. 25, 1952.
- Shoes, Men's, women's, and children's. International Shoe Company. 570,984, Feb. 24; Serial No. 616,293, published Oct. 28, 1952.
- Shoes, boots, sandals, etc., Men's, women's, and children's. S. Ferragamo. 570,995, Feb. 24; Serial No. 617,841, published Oct. 28, 1952.
- Shoes, Women's. Simone Shoes To Match. 571,051, Feb. 24; Serial No. 624,439, published Dec. 2, 1952.
- Shoes, Women's and children's leather. The Noble Shoe Company. 571,070, Feb. 24; Serial No. 626,526, published Nov. 18, 1952.
- Shoes, Women's, misses' and children's. Postur-Line Shoes. 571,049, Feb. 24; Serial No. 624,293, published Nov. 11, 1952.
- Slacks and leggings, Ladies' and children's. Stern & Herff Corp. 571,086, Feb. 24; Serial No. 627,469, published Nov. 18, 1952.
- Slips, petticoats, sleeping and lounging pajamas, etc., Women's and misses'. Willard J. Lewin Co., Inc. 570,950, Feb. 24; Serial No. 611,229, published Dec. 2, 1952.
- Soles for boots and shoes, and boots and shoes. The Cambridge Rubber Company. 571,074, Feb. 24; Serial No. 626,195, published Nov. 18, 1952.
- Soles and heels, Rubber. S. J. Hallgren. 570,888, Feb. 24; Serial No. 585,326, published Nov. 18, 1952.
- Sportshirts, Men's. Lexington Manufacturing Company. 571,009, Feb. 24; Serial No. 619,578, published Oct. 7, 1952.
- Suits, Children's wash, boys', girls' infants', and children's, and misses' and ladies' slacks suits, overalls, etc. 571,143, Feb. 24; Serial No. 596,064.
- Suits, Ladies'. Burstein Co., Inc. 571,081, Feb. 24; Serial No. 626,729, published Nov. 18, 1952.
- Suits and coats, Women's and misses'. Hyatt and Welaskopf Garment Co. 570,971, Feb. 24; Serial No. 614,148, published Oct. 28, 1952.
- Underwear, Ladies' silk. Susenberg & Feinberg, Inc. 302,570, renewed Apr. 25, 1953. O. G. Feb. 24.
- Wearing apparel, Women's and misses'. Russeks Fifth Avenue, Inc. 571,026, Feb. 24; Serial No. 621,579, published Nov. 18, 1952.
- Wearing apparel, Women's and girls'. Sorority House Sportswear. 570,943, Feb. 24; Serial No. 610,382, published Nov. 25, 1952.

CLASS 40

- Draw shields. I. B. Kleinst Rubber Company. 570,904, Feb. 24; Serial No. 591,782, published Nov. 11, 1952.
- Needlework implements. C. J. Bates & Son. 570,970, Feb. 24; Serial No. 613,897, published Nov. 11, 1952.
- Shoulder straps, adjustable backs for brassieres and corsets, and garter grips. The Cello Company. 571,029, Feb. 24; Serial No. 622,427, published Nov. 11, 1952.

CLASS 41

- Umbrellas. Finkel Outdoor Products, Inc. 538,776, Feb. 27, 1951. Canceled Jan. 28, 1953. O. G. Feb. 24.

CLASS 42

- Fabrics, Silk and rayon. L. & E. Stirn, Inc. 302,332, renewed Apr. 11, 1953. O. G. Feb. 24.

CLASS 43

- Strands and yarns, Continuous drawn. Libbey-Owens-Ford Glass Company. 571,060, Feb. 24; Serial No. 625,284, published Dec. 2, 1952.
- Thread. Groves Thread Company, Inc. 571,096, Feb. 24; Serial No. 628,326, published Dec. 2, 1952.
- Thread. Groves Thread Company, Inc. 571,097-8, Feb. 24; Serial No. 628,328-9, published Dec. 2, 1952.
- Thread. Groves Thread Company, Inc. 571,098, Feb. 24; Serial No. 628,337, published Dec. 2, 1952.
- Yarn, Synthetic. Eastman Kodak Company. 571,024, Feb. 24; Serial No. 621,358, published Dec. 9, 1952.

CLASS 44

- Donor sets for taking blood and for recipient sets for giving blood, etc. Sterilon Corporation. 571,050, Feb. 24; Serial No. 624,309, published Nov. 25, 1952.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

- Hand operated tools for expanding rubber bands for use in docking and castrating animals. R. M. Minock. 571,063, Feb. 24; Serial No. 625,430, published Nov. 25, 1952.
- Surgical pump apparatus, Electrically operated. Gomco Surgical Manufacturing Corp. 571,001, Feb. 24; Serial No. 618,574, published Nov. 25, 1952.
- Suspensories. A. C. Salvador. 570,980, Feb. 24; Serial No. 615,348, published Nov. 25, 1952.
- Ultra-violet irradiating machines and accessory equipment therefor. E. K. Knott. 570,873-4, Feb. 24; Serial No. 575,709-10, published Nov. 25, 1952.
- Vial compartmented by means of a seal in the center of the bottle and which, when manually broken, permits the ingredients in each compartment to be mixed by the manual shaking of the vial. The Harrower Laboratory, Inc. 570,955, Feb. 24; Serial No. 612,258, published Nov. 25, 1952.

CLASS 46

- Bread. Eddy Bakeries, Inc. 571,131, Feb. 24; Serial No. 581,735.
- Cakes. Spilke's Bakery, Inc. 571,154, Feb. 24; Serial No. 632,002.
- Candy. K. H. French. 571,141, Feb. 24; Serial No. 582,142.
- Candy. Frank G. Shattuck Company. 570,899, Feb. 24; Serial No. 588,599, published Feb. 6, 1951.
- Candy pieces, Chocolate. Rockwood & Co. 571,123, Feb. 24; Serial No. 634,919, published Dec. 2, 1952.
- Canned fruits, Dietetic line of. Flotill Products, Incorporated. 554,848, Feb. 12, 1952. Canceled Jan. 16, 1953. O. G. Feb. 24.
- Canned pineapple. Safeway Stores, Incorporated. 571,000, Feb. 24; Serial No. 618,435, published Dec. 2, 1952.
- Canned prepared fruit fillings for pies. Fruit Products Control and Sales, Inc. 523,636, Apr. 4, 1950. Canceled Jan. 16, 1953. O. G. Feb. 24.
- Canned vegetables. Steele Canning Company. 571,130, Feb. 24; Serial No. 627,015.
- Canned vegetables, canned fruits, canned berries, etc. Snider Packing Corporation. 299,480, renewed Dec. 6, 1952. O. G. Feb. 24.
- Cereal food. Roman Meal Company. 571,085, Feb. 24; Serial No. 627,080, published Nov. 18, 1952.
- Dairy products and farm products. J. C. Letts. 302,689, renewed Apr. 25, 1953. O. G. Feb. 24.
- Dough improver. Standard Brands Incorporated. 571,015, Feb. 24; Serial No. 619,953, published Oct. 7, 1952.
- Edible oils, olive oils, rice, and conserves. Pyramid Commercial Corporation. 367,738, May 30, 1939. Canceled Jan. 28, 1953. O. G. Feb. 24.
- Feed, Cattle and stock. S. P. Davis. 152,380, Feb. 28, 1922. Canceled Jan. 16, 1953. O. G. Feb. 24.
- Fish, Frozen. McCallum-Legas Fish Company, Inc. 570,968, Feb. 24; Serial No. 613,471, published Nov. 18, 1952.
- Flour, Wheat. Liberty Mills. 301,368, renewed Feb. 28, 1953. O. G. Feb. 24.
- Ham, Boiled, sugar-cured bacon, hams and bacon, etc. Morris & Company. 89,284, re-renewed Dec. 3, 1952. O. G. Feb. 24.
- Herbs and spices. Sellright Giftwares Corp. 571,027, Feb. 24; Serial No. 621,842, published Dec. 2, 1952.
- Lemons, Fresh. San Fernando Heights Lemon Co. 302,789, renewed Apr. 25, 1953. O. G. Feb. 24.
- Milk, Fresh, and buttermilk. Southern Dairies, Inc. 571,134-5, Feb. 24; Serial Nos. 582,924-5.
- Milk, Whole, skim milk, buttermilk, etc. National Dairy Products Corporation. 537,254, Apr. 8, 1952. Corrected. O. G. Feb. 24.
- Onions, Fresh. T. Emerson. 547,000, Aug. 21, 1931. Amended. O. G. Feb. 24.
- Pickles. Matsushita Shoten Ltd. 298,924, renewed Nov. 15, 1952. O. G. Feb. 24.
- Potatoes. Tropical Agriculture Co-Operative Association. 571,032, Feb. 24; Serial No. 622,516, published Nov. 18, 1952.
- Poultry-pan ready friers, Fresh. Thompson-Lamb, Incorporated. 571,152, Feb. 24; Serial No. 617,847.
- Prepared mixture for the making of doughnuts, crackers, etc. Pillsbury Mills, Inc. 570,861, Feb. 24; Serial No. 537,951, published Dec. 2, 1952.
- Sugar. Arbuckle Brothers. 89,978, re-renewed Jan. 28, 1953. O. G. Feb. 24.
- Syrup, Malt. Best Malt Products Company. 299,144, renewed Nov. 22, 1952. O. G. Feb. 24.
- Table-syrup. Abram Lyle & Sons, Limited. 89,045, Nov. 5, 1912. Republished Feb. 24.
- Vegetables and melons, Fresh. Warner & Stewart. 402,971, Aug. 24, 1943. Republished Feb. 24.
- Vegetables, Fresh. L. M. McLaren. 302,180, renewed Apr. 4, 1953. O. O. Feb. 24.

CLASS 47

- Wines. Schenley Import Corporation. 361,580, Oct. 25, 1938. Republished Feb. 24.

CLASS 48

- Ale. F. W. Cook Company, Inc. 571,130, Feb. 24; Serial No. 587,537.

- Beer. F. W. Cook Company, Inc. 571,137, Feb. 24; Serial No. 587,538.

CLASS 49

- Vodka. Many, Blanc & Co. Inc. 379,647, July 16, 1940. Republished Feb. 24, 1953.
- Whisky. Tanqueray, Gordon & Co., Ltd. 39,651, Jan. 20, 1903. Canceled Jan. 19, 1953. O. G. Feb. 24.
- Whisky. Tanqueray Gordon & Co. Limited. 63,062, June 4, 1907. Canceled Jan. 19, 1953. O. G. Feb. 24.

CLASS 51

- Cologne. Barbara Gould, Inc. 571,008, Feb. 24; Serial No. 619,462, published Nov. 25, 1952.
- Hair dressing. The House for Men, Inc. 570,871, Feb. 24; Serial No. 575,055, published Dec. 2, 1952.
- Hair dyes. House of Proklot, Inc. 570,914, Feb. 24; Serial No. 599,528, published Sept. 16, 1952.
- Hair tinting composition. The Neatle-Le Mur Company. 571,139, Feb. 24; Serial No. 589,522.
- Perfume specialties. Dodge & Olcott, Inc. 570,964, Feb. 24; Serial No. 613,058, published Nov. 11, 1952.
- Perfumeries, lotions, toilet waters, etc. Park & Tilford. 302,450-1, renewed Apr. 18, 1953. O. G. Feb. 24.
- Perfumes, colognes, toilet waters, etc. Les Parfums Worth de Paris, Inc. 570,902, Feb. 24; Serial No. 591,174, published Dec. 2, 1952.
- Perfumes, tooth powder, toilet preparations, etc. Culpeper House Limited. 570,936, Feb. 24; Serial No. 607,893, published Nov. 25, 1952.
- Permanent wave solutions. Rilling Company. 570,981, Feb. 24; Serial No. 615,723, published June 17, 1952.
- Skin cleansing cream. Musker Foundation Incorporated. 570,948, Feb. 24; Serial No. 611,040, published Nov. 25, 1952.
- Skin lotion. S. A. Lancôme. 571,148, Feb. 24; Serial No. 612,206.
- Tooth paste, mouth wash, and tooth powder. The S. S. White Dental Manufacturing Company. 570,989, Feb. 24; Serial No. 616,787, published Dec. 2, 1952.

CLASS 52

- Alkaline boiler protective, liquid rust eradicant, soot remover, etc. Wasco Engineering Corporation. 570,801, Feb. 24; Serial No. 590,921, published Nov. 25, 1952.
- Bactericide and fungicide used as additives for dry cleaning products. Fumal Corporation. 570,942, Feb. 24; Serial No. 610,056, published Nov. 18, 1952.
- Chemical paint and varnish remover. Schalk Chemical Company. 570,869, Feb. 24; Serial No. 570,382, published Feb. 14, 1950.
- Chemical product in granular form for rust-proofing and cleaning metals and metal parts. The Diversy Corporation. 571,066, Feb. 24; Serial No. 625,665, published Nov. 25, 1952.
- Cleaning composition. H. Kohnstamm & Co., Inc. 571,055, Feb. 24; Serial No. 625,607, published Nov. 25, 1952.
- Cleaning compounds. Fries & Fries, Inc. 571,067-8, Feb. 24; Serial Nos. 625,728-9, published Dec. 2, 1952.
- Cleaner, General household and industrial. The Theobald Industries. 570,929, Feb. 24; Serial No. 606,820, published Nov. 25, 1952.
- Cleaner, General household and industrial. The Theobald Industries. 570,930, Feb. 24; Serial No. 606,822, published Nov. 25, 1952.
- Cleaner, General household and industrial. The Theobald Industries. 570,931, Feb. 24; Serial No. 606,826, published Nov. 25, 1952.
- Disinfectant and cleanser combined. West Disinfecting Company. 571,057, Feb. 24; Serial No. 625,158, published Nov. 18, 1952.
- Disinfectant and cleanser combined. West Disinfecting Company. 571,058, Feb. 24; Serial No. 625,160, published Nov. 18, 1952.
- Liquid preparation for cleaning glass and other surfaces. R & L W Products, Inc. 570,959, Feb. 24; Serial No. 612,759, published Nov. 25, 1952.
- Shampoo. J. B. Bander. 570,996, Feb. 24; Serial No. 618,143, published Nov. 25, 1952.
- Soap. E. E. Reib. 571,122, Feb. 24; Serial No. 634,806, published Dec. 2, 1952.

CLASS 102

- Accepting savings for deposit. United Savings and Loan Association. 571,120, Feb. 24; Serial No. 614,472, published Dec. 2, 1952.

CLASS 103

- Laundry services, rug cleaning and dry cleaning. Palace Laundry, Inc. 571,127, Feb. 24; Serial No. 627,522, published Dec. 2, 1952.

CLASS 106

- Dyeing textile fabrics in the piece and chemically treating such goods. P. V. M. Corporation. 571,125, Feb. 24; Serial No. 597,414, published Dec. 2, 1952.

CLASS 107

- Entertainment services. I. T. Sanderson. 571,124, Feb. 24; Serial No. 572,273, published Dec. 2, 1952.

LIST OF REISSUE PATENTEEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

- Flinder, George A., assignor to Fin-der Inc., San Diego, Calif. Musical instrument construction. Re. 23,620, Feb. 24.
 Fin-der Inc., assignee: *See*—
 Flinder, George A.
 Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Sleeve supported electrode for well logging. Re. 23,621, Feb. 24.
 New Castle Products, Inc., assignee: *See*—
 Planeaux, Marvin J.
 Planeaux, Marvin J., assignor to New Castle Products, Inc., New Castle, Ind. Foldable closure. Re. 23,622, Feb. 24.
 Randol, Glenn T., Mountain Lake Park, Md. Prespective transmission control for automotive vehicles. Re. 23,623, Feb. 24.
 Standard Oil Development Company, assignee: *See*—
 Hildebrandt, Alexander B.
 Sutin, Albert E., Toronto, Ontario, Canada. Peg-fastened button. Re. 23,624, Feb. 24.

LIST OF PLANT PATENTEEES

- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,171, Feb. 24.
 Jackson & Perkins Company, assignee: *See*—
 Boerner, Eugene S.
 Johnson, Bertman V., Allcoona, Fla. Orange tree. 1,170, Feb. 24.

LIST OF DESIGN PATENTEEES

- Adams, Marguerite, Manteca, Calif. Powder dispensing doll. 168,876, Feb. 24.
 Allen, Grosvenor N., Onelda, N. Y., and M. P. Fleming, Newark, N. J., assignors to Onelda Ltd., Onelda, N. Y. Spoon or similar article. 168,877, Feb. 24.
 Arillas, Charles, New York, N. Y. Toy water pistol. 168,878, Feb. 24.
 Avco Manufacturing Corporation, assignee: *See*—
 Gustafson, Folke M.
 Becker, Harry, St. Louis, Mo. Egg extractor. 168,879, Feb. 24.
 Bellett, Ettie B., Venice, assignor to D. Frankel, Beverly Hills, Calif. Animated television ash tray novelty. 168,880, Feb. 24.
 Blecher, Boris, Philadelphia, Pa. Ash tray. 168,881, Feb. 24.
 Blecher, Boris, Philadelphia, Pa. Ash tray. 168,882, Feb. 24.
 Botham, Arthur R., assignor to J. R. Wood & Sons, Inc., New York, N. Y. Box or similar article. 168,883, Feb. 24.
 Buehler, Ltd., assignee: *See*—
 Graves, George W.
 Caradine Hat Company, assignee: *See*—
 Wittroff, Edward.
 Chlcotel, Albert, Detroit, Mich. China stand. 168,884, Feb. 24.
 Easy Washing Machine Corporation, assignee: *See*—
 Mundt, Stuart G.
 Fischer, Philip, Northfield, Ill. Bottle. 168,885, Feb. 24.
 Fleming, Mary P.: *See*—
 Allen, Grosvenor N., and Fleming.
 Fleming, Mary P., Newark, N. J., assignor to Onelda Ltd., Onelda, N. Y. Spoon or similar article. 168,886, Feb. 24.
 Frankel, Donald, assignee: *See*—
 Bellett, Ettie B.
 Friedman, Rose T., Scranton, Pa. Child's sleeping garment or the like. 168,887, Feb. 24.
 Friedman, Rose T., Scranton, Pa. Child's pram suit or the like. 168,888, Feb. 24.
 Gardner, Bryant H., Springfield, and F. O. Towle, South Dartmouth, Mass. Carboy. 168,889, Feb. 24.
 General Electric Company, assignee: *See*—
 Petzold, William B.
 General Felt Products Co., assignee: *See*—
 Horwich, Theodore.
 Gerth, William H., New York, assignor to Onelda Ltd., Onelda, N. Y. Spoon or similar article. 168,890, Feb. 24.
 Goldberg, Rubin, Great Neck, N. Y. Handbag. 168,891, Feb. 24.
 Graves, George W., Oak Park, assignor to Buehler, Ltd., Chicago, Ill. Laboratory specimen press. 168,892, Feb. 24.
 Gustafson, Folke M., Toledo, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Electric range. 168,893, Feb. 24.
 Harris-Seybold Company, assignee: *See*—
 O'Brien, Richard C., and Schreckengost.
 Hettrick Manufacturing Company, The, assignee: *See*—
 Jones, James E.
 Horwich, Theodore, assignor to General Felt Products Co., Chicago, Ill. Rug cushion or similar article. 168,894, Feb. 24.
 Ingersoll-Rand Company, assignee: *See*—
 MacLay, William R.
 Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canopy. 168,895, Feb. 24.
 Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canopy. 168,896, Feb. 24.
 Krements, Frank, Company, assignee: *See*—
 Stoesser, Fred.
 Lang, John H., Detroit, Mich. Automobile seat. 168,897, Feb. 24.
 Lang, John H., Detroit, Mich. Automobile seat. 168,898, Feb. 24.
 Lewis, Leonard, and L. Richter, Brooklyn, N. Y. Container for toiletries or the like. 168,899, Feb. 24.
 Lutscher, Simon, Cleveland Heights, Ohio. Multiple wrench. 168,900, Feb. 24.
 MacLay, William R., Endicott, assignor to Ingersoll-Rand Company, New York, N. Y. Portable grinder. 168,901, Feb. 24.
 Marx, Louis, & Company, Inc., assignee: *See*—
 Rastetter, Richard.
 Mandt, Stuart G., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Control and indicator knob. 168,902, Feb. 24.
 Nafziger, Ralph L., assignee: *See*—
 Williams, Richard G.
 Neary, Francis B., Rochester, N. Y. Rimless metal spectacle front. 168,903, Feb. 24.
 O'Brien, Richard C., Dayton, and V. Schreckengost, assignors to Harris-Seybold Company, Cleveland, Ohio. Paper cutter case. 168,904, Feb. 24.
 O'Connell, Daniel C., Bedford Village, assignor to Sterno, Inc., New York, N. Y. Chafing dish. 168,905, Feb. 24.
 Onelda Ltd., assignee: *See*—
 Allen, Grosvenor N., and Fleming.
 Fleming, Mary P.
 Gerth, William H.
 Owens Brush Company, assignee: *See*—
 Snyder, Austin B.
 Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Radio cabinet. 168,906, Feb. 24.
 Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Radio cabinet. 168,907, Feb. 24.
 Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Radio cabinet. 168,908, Feb. 24.
 Quaker Lace Company, assignee: *See*—
 Wolf, William.
 Rastetter, Richard, Olmsted, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy weapon. 168,909, Feb. 24.
 Reedy, Earl L., Sacramento, Calif. Aerial amusement ride car or similar article. 168,910, Feb. 24.

LIST OF PATENTEES

Bailey, Samuel J., Roosevelt, assignor to Servo Corporation of America, New Hyde Park, N. Y. Automatic weighing machine. 2,629,490, Feb. 24.
 Baker, Albert A., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Surface drain. 2,629,457, Feb. 24.
 Baker, Charles S., Corning, assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device for engine driven compressor units. 2,629,536, Feb. 24.
 Baker, Edgar G.: See—
 Frieder, Leonard P., Garber, and Baker.
 Baker, James G., Winchester, Mass., assignor to The Perkin-Elmer Corporation, Norwalk, Conn. Highly corrected telephoto objective lens. 2,629,285, Feb. 24.
 Baker, James M., Parkersburg, W. Va. Pivoted handle tool. 2,629,415, Feb. 24.
 Barker, John L., Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated. Radio echo apparatus for detecting and measuring the speed of moving objects. 2,629,865, Feb. 24.
 Baker, R. N., assignee: See—
 Baker, Robert N.
 Baker, Robert N., Los Angeles, Calif., assignor, by mesne assignments, to H. Givens and R. N. Baker. Guard for vehicle bumpers. 2,629,823, Feb. 24.
 Baldwin, Harold R., Carpenterville, Ill., assignor to Elgin Manufacturing Company, Cover dropper. 2,629,355, Feb. 24.
 Baptist, Victor P., Stamford, assignor to Pitney-Bowes, Inc., Stamford, Conn. Serial number printing control device. 2,629,320, Feb. 24.
 Barnes, Lawrence Y., Jarratt, Va. Peanut stacking rack. 2,629,497, Feb. 24.
 Barnes, Randall P., San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking control. 2,629,849, Feb. 24.
 Barnard, Harold J., Croton-on-Hudson, assignor to Packase-Nervease Corp., Buchanan, N. Y. Apparatus for packing articles on a standard. 2,629,530, Feb. 24.
 Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company, Fluid contacting apparatus. 2,629,653, Feb. 24.
 Bartlett, Norman, Uleta, Fla. Occupant carrying roundabout. 2,629,593, Feb. 24.
 Barton, Eugene A., assignor of fifty per cent to J. Frenkil, Baltimore, Md. Wet compress and container. 2,629,378, Feb. 24.
 Barton, Robert C., The Hague, Netherlands, and R. F. Bergstrom and J. M. Plantfeber, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,629,693, Feb. 24.
 Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Pin and retainer. 2,629,281, Feb. 24.
 Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Method of removing dissolved solids from water. 2,629,690, Feb. 24.
 Baumfeld, Joseph H., and J. Lebovitz, Los Angeles, and W. F. Hornighausen, Monterey Park, Calif. Folding tripod seat. 2,629,429, Feb. 24.
 Baumgardner, Harold K., Shaker Heights, and J. D. Kreis, Cleveland Heights, Ohio, said Kreis assignor to said Baumgardner. Sheet handling mechanism for rotary printing presses. 2,629,323, Feb. 24.
 Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Rotary suction pump. 2,629,540, Feb. 24.
 Becker, Daniel B., St. Paul, Minn. Artificial hand locking mechanism. 2,629,107, Feb. 24.
 Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Control circuit for elenal recording and reproducing systems. 2,629,861, Feb. 24.
 Bell, Harold A., Youngstown, Ohio. Arcuate roller conveyor for cables. 2,629,708, Feb. 24.
 Bell, George W., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Wire-laying machine. 2,629,564, Feb. 24.
 Bell Telephone Laboratories, Incorporated, assignee: See—
 Anderson, Alva E., and Sears, Hall, Nathan I., and Warren, Hopkins, Harrie P., Koenig, Walter, Jr., Pearson, Gerald L., Peterson, Lias C., Potter, Ralph K., Ring, Douglas H., Sparks, Morgan, Townsend, Mark A., Trent, Robert L.
 Belpedio, Jobby, Bridgeport, Conn. Wedge rope clamp. 2,629,155, Feb. 24.
 Belshaw, Philip L., and F. Irving, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 2,5-di-(1-amino-4-arylamino-2-anthraquinonyl)-1,3,4-oxadiazoles and method for their preparation. 2,629,718, Feb. 24.
 Benade, James M., Chicago, Ill., E. E. Goodale, Hiram, Ohio, and W. F. Jesse, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radioactive resistor. 2,629,837, Feb. 24.
 Benander, George R., Oaklawn, R. L., assignor, by mesne assignments, to General Electric Company. Pull-operated switch. 2,629,789, Feb. 24.
 Bendix Aviation Corporation, assignee: See—
 Hastings, Donald F., Holmes, Bradford B., Reot, Anthony J.: See—
 Stantles, Otis E., and Bent.
 Berg, Elaine, Chicago, Ill. Head covering. 2,629,103, Feb. 24.
 Bergmann, Henry C., South Gate, Calif. Refrigerator tank. 2,629,228, Feb. 24.
 Bergstrom, Roland F.: See—
 Barton, Robert C., Bergstrom, and Plantfeber.
 Berker, Ralph C., Hoxale, R. I. Gill drawing frame. 2,629,137, Feb. 24.
 Berner, Leo, San Jose, assignor to Pacific Coast Engineering Company, Alameda, Calif. Drag bucket and control therefor. 2,629,190, Feb. 24.
 Berry, Theodore M., Schenectady, N. Y., assignor to General Electric Company. Automatic electrical measuring device. 2,629,843, Feb. 24.
 Better Packages Incorporated, assignee: See—
 Krueger, Theodore H.
 Biddlestone, Rena J., near Youngstown, Ohio. Time and activity occurring time comparing device. 2,629,186, Feb. 24.
 Blahko, Maurice J., assignee: See—
 Turner, Cecil R.
 Bishop, Richard B.: See—
 Denton, William I., and Bishop.
 Blosack, Thomas J., Beaverton, assignor of one-half to J. D. Olynan, Portland, Oreg. Butcher's gambrel. 2,629,128, Feb. 24.
 Blue, Robert D.: See—
 Hunter, Ralph M., Blue, and Nelpert.
 Body, Alfred C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Method and means for bolt welding. 2,629,803, Feb. 24.
 Boegehold, Alfred L., Detroit, Mich. Comb and scissors, Combined. 2,629,171, Feb. 24.
 Boeing Airplane Company, assignee: See—
 Couture, Raymond E., James, Varnell L. R.
 Bolduc, Albert, Detroit, Mich. Punch-removing device. 2,629,274, Feb. 24.
 Boll, John H., Dearborn, and A. V. Raught, assignors to Dearborn Motors Corporation, Birmingham, Mich. Implement power lift and position control. 2,629,307, Feb. 24.
 Boller, Charles R.: See—
 Eggleston, Ira S., and Boller.
 Bolton, John W., & Sons, Inc., assignee: See—
 Stuck, Harold D.
 Bondley, Ralph J., Scotts, N. Y., assignor to General Electric Company. Titanium electrode. 2,629,803, Feb. 24.
 Booth, Robert B.: See—
 Kurts, Kerwin K., and Booth.
 Borden Company, The, assignee: See—
 Vogelsang, George K.
 Borer, Walter M., Santa Monica, Calif., assignor to North American Aviation, Inc. Apparatus for forming electrical strain gauges. 2,629,409, Feb. 24.
 Boschin, Walter E., assignor to Glass Containers, Inc., San Francisco, Calif. Container adapted to be vacuum sealed. 2,629,509, Feb. 24.
 Boschard, Alfred: See—
 Thompson, Robert D., Alderfer, and Boschard.
 Bowman, Robert L., Chaska, and H. Meyer, Princeton, Minn. Sugar beet harvester and toppler. 2,629,215, Feb. 24.
 Bradley, Schuyler L.: See—
 Harder, Edwin L., and Bradley.
 Belzgs, Arthur J., Sutton, Vt., assignor to Onondago Pottery Company, Syracuse, N. Y. Pottery ware jigger. 2,629,159, Feb. 24.
 Belzgs, Arthur J., Sutton, Vt., assignor to Onondago Pottery Company, Syracuse, N. Y. Water applicator for pottery ware jiggers. 2,629,160, Feb. 24.
 Bristol Machine Tool Company, Inc., The, assignee: See—
 De Note, Frank J.
 Brody, Harry and J., Brooklyn, and J. F. Hart, New York, N. Y. Support for weighing scales. 2,629,573, Feb. 24.
 Brody, Jacob: See—
 Brody, Harry and J., and Hart.
 Brown, Charles L., Jr., Stamford, assignor to Electroflux Corporation, Old Greenwich, Conn. Section nozzle with adjustable cleaning opening. 2,629,126, Feb. 24.
 Brown, Earl H., Hibbing, Minn., assignor to Attapulga Minerals & Chemicals Corporation. Concentration of oxidized iron ores by froth flotation in the presence of carbohydrate xanthates. 2,629,493, Feb. 24.
 Brown, Earl H., Hibbing, Minn., assignor to Attapulga Minerals & Chemicals Corporation. Concentration of oxidized iron ores by froth flotation in the presence of carbohydrate xanthates. 2,629,494, Feb. 24.
 Brown, Edward G., assignee: See—
 Miller, Daniel W.
 Brown, Ethel C., Mission, Kans. Tampon. 2,629,381, Feb. 24.
 Brown, Frank M., and C. F. Albrecht, assignors to Gould-National Batteries, Inc., St. Paul, Minn. Outer cover for batteries. 2,629,756, Feb. 24.
 Brown, Hugh M., assignor to Clemson Agricultural College of South Carolina, Clemson, S. C. Tensile strength tester. 2,629,254, Feb. 24.

LIST OF PATENTEES

Brown, Horley L., Kokomo, Ind. Moving figure wheeled toy. 2,629,203, Feb. 24.
 Brown, Jean A., assignee: See—
 Taylor, Victor E.
 Brown, Martin L., Shreveport, La. Carrier. 2,629,527, Feb. 24.
 Brown, Ralph, Fall Brook, assignor to Electrical Products Corporation, Los Angeles, Calif. Luminescent tube support for sign structures and the like. 2,629,814, Feb. 24.
 Bruce, Stanford P., assignor to Wheel Tracing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,629,388, Feb. 24.
 Brush Development Company, The, assignee: See—
 Begun, Semi J.
 Büchi, Hans, Ruti, Schlossberg, Switzerland. Loom lug and check strap. 2,629,405, Feb. 24.
 Budney, Michael P., Newington, Conn. Universal locating drill press centering apparatus. 2,629,268, Feb. 24.
 Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Rearview mirror structure. 2,629,286, Feb. 24.
 Burdick, Hugh, assignor to Illinois Tool Works, Chicago, Ill. Door lock retainer. 2,629,248, Feb. 24.
 Burnette, Llewellyn W., Easton, Pa., and J. M. Cross, Washington, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Polyglycol ethers of alkyl phenol sulfides. 2,629,743, Feb. 24.
 Burroughs Adding Machine Company, assignee: See—
 Butler, Thomas M.
 Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Automatic function control mechanism for accounting machines. 2,629,549, Feb. 24.
 Byrd, John F., Ashland, and J. D. Phyfe, Moorestown, N. J., assignors to Radio Corporation of America. Illumination and signaling system for drive-in theaters. 2,629,780, Feb. 24.
 Byrnes, John J., Newark, N. J. Fan puller for oil burners. 2,629,167, Feb. 24.
 Cachat, John F., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for pressure welding of seams or edges. 2,629,811, Feb. 24.
 Cadwell, Edward, University City, Mo. Electric power hand saw jig. 2,629,410, Feb. 24.
 Cady, Willoughby M., Cambridge, and D. B. Nicholson, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Scanning device. 2,629,828, Feb. 24.
 Caldwell, Sylvester S., Akron, G. J. Chertoff, and G. B. Curtiss, Shaker Heights, Ohio; said Caldwell and said Curtiss assignors to said Chertoff. Heat stabilizer for vinyl resins. 2,629,700, Feb. 24.
 Calhoun, James C., New Haven, W. L. Davidson, Canterbury, Conn., and K. J. Hansen, Forest Hills, N. Y., assignors to Olin Industries, Inc., New Haven, Conn. Merchandising display for luminous coated flashlights and the like. 2,629,830, Feb. 24.
 California Central Fibre Corporation, assignee: See—
 Kaiser, Karl.
 Callaway Mills Company, assignee: See—
 Parker, Samuel P.
 Callery Chemical Company, assignee: See—
 Schechter, William H.
 Cameron Iron Works, Inc., assignee: See—
 Allen, Herbert.
 Campbell, John E., Lombard, Ill. Clothes hanger. 2,629,526, Feb. 24.
 Cannon, Gus G., Atlanta, Ga. Generator lifting tool. 2,629,584, Feb. 24.
 Carlson, Fred O., assignor to Carlson & Sullivan, Inc., Monrovia, Calif. Ruler construction. 2,629,180, Feb. 24.
 Carlson & Sullivan, Inc., assignee: See—
 Carlson, Fred O.
 Carnahan, Orson A., Syracuse, N. Y. Helicopter-airplane. 2,629,570, Feb. 24.
 Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyether amines and a process for their production. 2,629,740, Feb. 24.
 Carnes, Paul S., Los Angeles, Calif., assignor by Decree of Distribution to W. P. Carnes. Chilled water distribution system and means. 2,629,237, Feb. 24.
 Carnes, Wilma P., assignee, by decree of distribution: See—
 Carnes, Paul S.
 Carpenter Manufacturing Corporation, The, assignee: See—
 Krause, Albert H.
 Carson, Benjamin R., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic record changer. 2,629,603, Feb. 24.
 Carswell, William D.: See—
 Matthews, John B., Evans, Carswell, and Hutton.
 Carter, William F.: See—
 Dupont, Louis E., Archer, and Carter.
 Casba, Salvatore, Brooklyn, N. Y. Applique ornament for fabric. 2,629,195, Feb. 24.
 Causey, Joseph F., Pittsburgh, Pa. Rail joint bar and rail joint prepared therewith. 2,629,656, Feb. 24.
 Cavanagh, William J., assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Handle construction for bit braces or the like. 2,629,412, Feb. 24.
 Celanese Corporation of America, assignee: See—
 Ayala, Hector L., Chate, Paul G.: See—
 Ottmar, Jerome, Matteson, Savolainen, and Chace.
 Chafins, Ishmael, assignor of fifty per cent to L. Howard, Wooton, Ky. Rotary auger and saw bit. 2,629,113, Feb. 24.
 Chamberlin Company of America, assignee: See—
 Smith, Frank R., and Willett.
 Chamberlin, John W., Mequon, Wis., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Reciprocating washer and centrifugal drier provided with shock absorbing hydraulic suspension assembly. 2,629,245, Feb. 24.
 Chaplin Corporation, assignee: See—
 Chaplin, Merle P.
 Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Molded fibre article. 2,629,533, Feb. 24.
 Charles, Jacob E., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of lap-resistant synthetic rubber. 2,629,707, Feb. 24.
 Charlton, Thomas, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal protection for single-phase motors. 2,629,848, Feb. 24.
 Check, Alex J., Canfield, Ohio. Scraping device for rolling pins. 2,629,345, Feb. 24.
 Chertoff, George J.: See—
 Caldwell, Sylvester S., Chertoff, and Curtiss.
 Chesus, Frank O., Baysboro, and J. T. Koleda, Islip, N. Y. Inductance tuning unit. 2,629,860, Feb. 24.
 Chicago Metal Hose Corporation, assignee: See—
 Anderson, Carl O.
 Clary Multiplier Corporation, assignee: See—
 Drake, Edward P., and Mark.
 Clearing Machine Corporation, assignee: See—
 Johansen, Elmer K., Schultz, Alfred W.
 Clemence, Le Roy W., Highland Park, assignor to Abbott Laboratories, North Chicago, Ill. Therapeutic antimony compounds. 2,629,724, Feb. 24.
 Clements, MacMillan, Bethel, Conn. Structural panel. 2,629,140, Feb. 24.
 Clemson Agricultural College of South Carolina, assignee: See—
 Brown, Hugh M.
 Cleveland Automatic Machine Company, The, assignee: See—
 Jellinek, Alfred F., and Gross.
 Cleveland Crane & Engineering Company, The, assignee: See—
 Dehn, Roy F.
 Cleveland Hobbing Machine Company, The, assignee: See—
 Staples, Otis E., and Bent.
 Clough, Philip J.: See—
 Godley, Philip, 2nd, and Clough.
 Colburn, Earl E., Green Bay, Wis. Drum gauge having aligned faucet and drum coupling. 2,629,260, Feb. 24.
 Coleman Company, Inc., The, assignee: See—
 Glowsky, Harry L.
 Coles, Arthur, Jr., Westfield, and A. Hood, Arlington, assignors to The Daven Company, Newark, N. J. Electrical switch. 2,629,787, Feb. 24.
 Commercial Lithograph Company, Ltd., assignee: See—
 Smith, Walter H.
 Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of 9-chloro- or 9-bromodecalin. 2,629,748, Feb. 24.
 Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of isomerizing paraffins with aluminum halides and cis-decalin. 2,629,754, Feb. 24.
 Conklin, Robert M., and A. Scharf, Columbus, Ohio, assignors, by mesne assignments, to Schlage Lock Company, San Francisco, Calif. Door closer with constant flow orifice. 2,629,127, Feb. 24.
 Container Corporation of America, assignee: See—
 Kells, Benjamin F., and Sider.
 Cook, Frank, Anaheim, Calif. Antiburst tube for pipes. 2,629,402, Feb. 24.
 Coover, Harry W.: See—
 Stanlin, Theodore E., Coover, and Dickey.
 Corbin, Francis L., Chatam, N. J., assignor to Pitometer Log Corporation, New York, N. Y. Square law force measuring device. 2,629,259, Feb. 24.
 Corning Glass Works, assignee: See—
 Giffen, James W., and Overmyer.
 Corrado, Domenic E., Torrington, Conn. Glass cutting gauge and breaker. 2,629,174, Feb. 24.
 Cotaworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Superheterodyne receiving system. 2,629,817, Feb. 24.
 Cottle, Delmer L., Highland Park, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Reaction of ethers with acids using ion exchange resins catalysts. 2,629,735, Feb. 24.

Cougnard, Jérôme, Nanterre, France. Double-acting lightning protector for electric installations. 2,629,765, Feb. 24.

Couture, Raymond E., Seattle, Wash., assignor to Boeing Airplane Company. Turbo-supercharger waste gate control. 2,629,541, Feb. 24.

Covington, Robert H., Bradley, Ark. Stabilizing and towing attachment for bicycles. 2,629,811, Feb. 24.

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Process of producing penterythritol. 2,629,746, Feb. 24.

Cosso, Giuseppe, Yonkers, assignor to Hydopress, Incorporated, New York, N. Y. Bearing. 2,629,640, Feb. 24.

Craig, Burnie J., Los Angeles County, Calif. Automotive vehicle door control. 2,629,453, Feb. 24.

Craig, Louis E., Washington, N. J., and C. E. Larrabee, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation and purification of 1-phenylbutadiene-1,3. 2,629,732, Feb. 24.

Crane Packing Company, assignee: See—
McElvenny, William H.

Croce, Arthur, assignor to Pacific Mills, Lawrence, Mass. Shuttle. 2,629,406, Feb. 24.

Crompton & Knowles Loom Works, assignee: See—
Whitkin, Herbert A.

Crook, William C. H.: See—
Legg, George C. J., and Crook.

Crosby, Austin B., Jr., and S. Kleinhaus, Santa Monica, and C. C. Wood, Brentwood Heights, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Tandem rotor helicopter. 2,629,508, Feb. 24.

Cross, James M.: See—
Bornette, Llewellyn W., and Cross.

Cumming, George T., St. Edward, Nebr., assignor to L. D. and H. B. Tillery, Kansas City, Mo. Apparatus for producing protective blinding from flat stock. 2,629,297, Feb. 24.

Curloni, Aldo R., assignor to Sartoni Company, Inc., New York, N. Y. Transferring and dispensing apparatus and method. 2,629,301, Feb. 24.

Curry, Van C.: See—
Keyser, James H., and Curry.

Curtiss, Harry B.: See—
Caldwell, Sylvester S., Chertoff, and Curtiss.

Cushman, Walton W., Webb City, Mo. Exhaust muffler with bulb mingling. 2,629,455, Feb. 24.

Cusick, John W., assignor to G. D. Searle & Co., Skokie, Ill. Aminoalkyl thiozanthene oxides and the production thereof. 2,629,719, Feb. 24.

Dadswell, William R., Staten Island, N. Y. Bumper-operated garage door. 2,629,435, Feb. 24.

Daly, Charles T., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Method of calibrating electric oscillation generators. 2,629,829, Feb. 24.

Daniels, Fred B., New York, N. Y. Wide frequency-range magnetic recording and reproducing system. 2,629,784, Feb. 24.

Daven Company, The, assignee: See—
Coles, Arthur, Jr., and Hood.

Davidson, Vernon F., assignor of one-half to R. Werberger, Shelton, Wash. Cabinet with rotatable shelves. 2,629,643, Feb. 24.

Davidson, Wilbur L.: See—
Calhoun, James C., Davidson, and Hansen.

Davis, Hamilton C., Diablo, assignor to Walnut Creek Canning Co., Walnut Creek, Calif. Pressure Cooker. 2,629,312, Feb. 24.

Davis, Leland A., Montreal, Quebec, Canada. Dishwasher with a removable and split water deflector. 2,629,392, Feb. 24.

Davis, Rooney W.: See—
Derringer, Pete O., and Davis.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Drive mechanism for washing machines and the like. 2,629,469, Feb. 24.

Dayton Tachimeter Co., The, assignee: See—
Miller, Ralph A.

Dean, Fay W., Boonville, N. Y. Underground fireproof vault. 2,629,349, Feb. 24.

Dearborn Motors Corporation, assignee: See—
Roll, John H., and Raught.

Frevik, Ralph C.

Deaton, William M., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of Interior. Moisture content recorder for gases under pressure. 2,629,253, Feb. 24.

De Back, William, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Nonagitating can handling apparatus. 2,629,482, Feb. 24.

De Groote, Melvin, St. Louis, and B. Kelsner, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del. Certain oxyalkylated derivatives of fusible resins. 2,629,704, Feb. 24.

De Groote, Melvin, St. Louis, and B. Kelsner, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del. Certain oxyalkylated derivatives of fusible resins. 2,629,705, Feb. 24.

De Groote, Melvin, St. Louis, and B. Kelsner, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del. Certain oxyalkylated derivatives of fusible resins. 2,629,706, Feb. 24.

Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane cab. 2,629,500, Feb. 24.

De Laval Steam Turbine Company, assignee: See—
Rank, David H.

Deloraine, Edmond M., New York, N. Y., S. Van Mierlo, Antwerp, Belgium, and B. Derjavitich, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Communication system utilizing constant amplitude pulses of opposite polarities. 2,629,857, Feb. 24.

De Note, Frank J., assignor to The Bristol Machine Tool Company, Inc., Forestville, Conn. Gear-operated pan-cake-type wrench for use in confined spaces. 2,629,278, Feb. 24.

Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Solvent extraction process. 2,629,730, Feb. 24.

Den Uyl, Anthonie, Wallington, N. J. Combined tooth-brush construction. 2,629,122, Feb. 24.

Derhammer, Cline R., East Cleveland, assignor to The Lakeside Steel Improvement Company, Cleveland, Ohio. Flame hardening apparatus. 2,629,589, Feb. 24.

Derl, Hubert B., Rye, N. Y., assignor to General Precision Laboratory Incorporated. Enclosed arc lamp. 2,629,836, Feb. 24.

Derjavitich, Boris: See—
Deloraine, Edmond M., Van Mierlo, and Derjavitich.

Derringer, Pete O., St. Louis, and R. W. Davis, Webster Groves, assignors to Loose Leaf Metals Co., St. Louis, Mo. Link post construction for binders. 2,629,224, Feb. 24.

De Shelly, Raymond, New York, N. Y. Refill cartridge. 2,629,489, Feb. 24.

Dessaigne, Gérard, assignor to Etat Français (Ministère de la Défense Nationale) Représenté par Monsieur l'Ingénieur en Chef, Directeur du Laboratoire Central des Poudres, Paris, France. Method of producing tetryl. 2,629,739, Feb. 24.

Detelman, Joseph W., Oklahoma City, Okla. Dummy plug and detachable handle therefor. 2,629,761, Feb. 24.

Deutch, Leo E., Hammond, Ind. Cylinder lock. 2,629,247, Feb. 24.

Dick, John, Fresno, Calif. Vent cap. 2,629,456, Feb. 24.

Dickey, Joseph B.: See—
Stanlin, Theodore E., Coover, and Dickey.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,629,552, Feb. 24.

Dietler, Hans, assignor to Thorma Fabrik für elektrische Heilung A. G., Schwanden, Switzerland. Motor-driven compressor. 2,629,542, Feb. 24.

Dill, Glenn A., El Dorado, Ark., assignor to J. C. Kinley, Houston, Tex. Pipe severing method and apparatus. 2,629,445, Feb. 24.

Ditlow, Harry G., Philadelphia, Pa. Portable clothes drier. 2,629,810, Feb. 24.

Ditto, Incorporated, assignee: See—
Levin, Carl A.

Dodd, Sidney R., West Caldwell, N. J., and E. J. Ainsley, Merrick, assignors to Oakite Products, Inc., New York, N. Y. Essentially non-aqueous acid emulsion cleaning composition. 2,629,696, Feb. 24.

Dodds, John, Greenville, S. C. Self-watering flowerpot. 2,629,204, Feb. 24.

Dodge, Adiel Y., Rockford, Ill. Transmission. 2,629,205, Feb. 24.

Doe & Ingalls, Inc., assignee: See—
Quimby, Arthur G., and Venedam.

Dome, Robert B., and R. F. Foster, Syracuse, N. Y., assignors to General Electric Company. Load compensating network. 2,629,819, Feb. 24.

Donaldson, Walter E.: See—
Hanson, Alden W., and Donaldson.

Douglas Aircraft Company, Inc., assignee: See—
Crosby, Austin B., Jr., Kleinhaus, and Wood.

Dow Chemical Company, The, assignee: See—
Bauman, William C.

Drake, Lewis R.

Frevel, Ludo K., and Hedelund.

Hanson, Alden W., and Donaldson.

Hunter, Ralph M., Blue, and Neipert.

Wiggins, Glenn C.

Dow Corning Corporation, assignee: See—
Hyde, James F.

Speler, John L.

Drake, Edward P., Glandale, and R. S. Mark, Arcadia, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Calculating machine. 2,629,550, Feb. 24.

Drake, Lewis R., assignor to The Dow Chemical Company, Midland, Mich. Chlorophenoxyacetaldehydes. 2,629,741, Feb. 24.

Draper Corporation, assignee: See—
Larson, Francis F.

Dreier, Victor G.: See—
Miller, Charles A., Dreier, and Glielchist.

Drewes, Menke, Jr., assignor to Payaswell Products Corporation, Chicago, Ill. Motor-driven compressor unit. 2,629,539, Feb. 24.

Druz, Walter S.: See—
Stroh, Walter J., and Druz.

Duerr, Herman H., H. W. Morrell, Jr., and H. C. Harsh, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Multicolor negative film with integral masking images. 2,629,657, Feb. 24.

Duggan, James J., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Liquid proportioner. 2,629,448, Feb. 24.

Duhalme, Edward J., Brooklyn, and F. J. Musacchia, Jamaica, N. Y. Combined cigarette container and ash tray. 2,629,388, Feb. 24.

Duncan, Donald F., Inc., assignee: See—
Silvers, Norman J., and Ennis.

Dungan, Theodore A.: See—
Olsen, John C., and Dungan.

Dunning, John W., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Cooking oil bearing vegetable seeds and nuts. 2,629,722, Feb. 24.

Du Pont, E. I. de Nemours & Company, assignee: See—
Goebel, Max T.

Morgan, Paul W.

Robertson, Andrew.

Verbanc, John J.

Kraft, Frederick G.

Dupont, Louis E., Carlsbad, N. Mex., J. R. Archer, East Point, Ga., and W. F. Carter, Columbia Park, Ohio, assignors to International Minerals & Chemicals Corporation, Chicago, Ill. Purifying phosphate rock containing iron impurities. 2,629,650, Feb. 24.

Duvall, James B., St. Louis, Mo. Fishing reel. 2,629,197, Feb. 24.

Eager, Herbert H., Mannheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Means for engaging and disengaging rotary cutters. 2,629,441, Feb. 24.

Eames, William F., Westfield, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic amplifier circuits for applying reversible direct-current voltage to inductive loads. 2,629,847, Feb. 24.

Easlick, Lloyd H., Flourtown, assignor to Pioneer Suspender Company, Philadelphia, Pa. Expandable belt. 2,629,104, Feb. 24.

Eastern Industries, Incorporated, assignee: See—
Barker, John L.

Eastman Kodak Company, assignee: See—
Fox, Arthur B.

Hill, Hubert M.

Hunt, Clayton E., Jr.

Kesel, Robert E., and Robinson.

Mihalyi, Joseph.

Murray, Alexander.

Richter, George A., and MacClaren.

Stanlin, Theodore E., Coover, and Dickey.

Tuttle, Clifton M., and Klaus.

Ulmachneider, Lawrence A.

Eckert, John P., Jr., and H. F. Welsh, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Flip-flop circuit. 2,629,825, Feb. 24.

Eckert, John P., Jr., and J. W. Mauchly, assignors, by means assignments, to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Memory system. 2,629,827, Feb. 24.

Eckert-Mauchly Computer Corporation, assignee: See—
Eckert, John P., Jr., and Mauchly.

Eckert, John P., Jr., and Welsh.

Edgar, John A.: See—
Woods, Harold A., and Edgar.

Edmond, Charlie R., Cincinnati, Ohio. Marker type projectile. 2,629,600, Feb. 24.

Edwards, Harold L.: See—
Freling, Norman N., and Edwards.

Eggleston, Ira S., St. Paul, and C. R. Boller, North St. Paul, Minn. Stoppage cause locator for conveyers. 2,629,486, Feb. 24.

Eldred, John W., Columbus, Ohio. Burner and burner control system for glass burn-off machines. 2,629,205, Feb. 24.

Electrical Products Corporation, assignee: See—
Brown, Ralph.

Electrolux Corporation, assignee: See—
Brown, Charles L., Jr.

Elgin Manufacturing Company, assignee: See—
Baldwin, Harold R.

Ennis, Thomas H.: See—
Silvers, Norman J., and Ennis.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Impregnated fibrous wallboard and method of making. 2,629,648, Feb. 24.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Method for treating cellulose and product thereof. 2,629,674, Feb. 24.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Compositions containing esters of a glycol and polycarboxylic acids and the treatment of cellulose therewith. 2,629,701, Feb. 24.

Erickson, Reynold E., Chico, Calif. Insulation cuffer. 2,629,422, Feb. 24.

Erwin Loewy, assignee: See—
Wood, Frank J.

Escklein, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Machine tool. 2,629,293, Feb. 24.

Escklein, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Control system for rotary duplicating machines. 2,629,844, Feb. 24.

Eschimo Pie Corporation, assignee: See—
Nelson, Christian K.

Esselman, Walter H.: See—
Eames, William F., and Esselman.

Etat Français (Ministère de la Défense Nationale) Représenté par Monsieur l'Ingénieur en Chef, Directeur du Laboratoire Central des Poudres, assignee: See—
Dessaigne, Gérard.

Etnyre, George M., Oregon, Ill. Distributor for bituminous and like material. 2,629,629, Feb. 24.

Eucild Road Machinery Co., The, assignee: See—
Hawkins, Paul E.

Evans, Douglas: See—
Matthews, John B., Evans, Carawell, and Hutton.

Falk Corporation, The, assignee: See—
Nolde, Arthur H., and Guagliardo.

Faus, Leslie I.: See—
Shaw, James M., and Faus.

Federal Telecommunication Laboratories, Inc., assignee: See—
Gallay, Harris.

Felmeistein, Henry, Brooklyn, N. Y. Telephone call counting device. 2,629,781, Feb. 24.

Ferguson, Louis: See—
Ferguson, William H.

Ferguson, William H., assignor of one-half to L. Ferguson, Kingston, N. Y. Paintbrush having a plurality of detachable tuft sections. 2,629,123, Feb. 24.

Fernald, Merritt C., Roanoke, Va., assignor to C. S. Loeb, New York, N. Y. N-benzyl-ethoxycarbonylpropanolamines and method of producing same. 2,629,738, Feb. 24.

Feyer, William F., Englewood, N. J., assignor to Solo Products Corporation. Machine for automatically carding curlers. 2,629,296, Feb. 24.

Field, Crosby, Brooklyn, N. Y. Colling and coating flat metal stock and the article formed thereby. 2,629,673, Feb. 24.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Puncture indicating closure for multiple dose vials. 2,629,379, Feb. 24.

Flacella, Carl T., Rutherford, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Linoleum blinder containing esters formed by reacting unsaturated drying oil fatty acids and hydroxyalkyl ethers of polyhydric alcohols. 2,629,668, Feb. 24.

Fitch, Allen & Company, assignee: See—
Fitch, Grant D.

Fitch, Grant D., assignor to Fitch, Allen & Company, Chicago, Ill. Motor starting switch. 2,629,792, Feb. 24.

Flint, Hyland C., Birmingham, assignor to American Metal Products Company, Detroit, Mich. Zigzag spring cushion construction having a base and top layer of springs. 2,629,430, Feb. 24.

Flint, Hyland C., Birmingham, assignor to American Metal Products Company, Detroit, Mich. Spring supporting strip having a top seating portion space above a bottom reinforcing portion. 2,629,431, Feb. 24.

Fogler, Benjamin B., Lexington, and J. H. Nugent, Winthrop, assignors to Arthur D. Little, Inc., Cambridge, Mass. Method of extracting ground roasted coffee. 2,629,663, Feb. 24.

Folks, Eugene F., Hot Springs, Va., assignor to Lock Joint Pipe Company, East Orange, N. J. Surface finisher. 2,629,252, Feb. 24.

Fong, Willie: See—
Lundgren, Harold P., Fong, and Yelaer.

Food Machinery and Chemical Corporation, assignee: See—
De Back, William.

Kerr, Charles E.

Olsen, John C., and Dungan.

Robey, Wesley M., Jr.

Forest Glen Ayers, assignee: See—
Lahti, Anand A.

Forayth, George H., Evanston, Ill. Bouncing ball game device. 2,629,594, Feb. 24.

Foss, Freeman C., Twin Falls, Idaho. Material holder for drilling. 2,629,271, Feb. 24.

Foster, Raymond F.: See—
Dome, Robert B., and Foster.

Foster, Warren D., assignee: See—
McKay, Herbert C.

Fournier, George E., West Hartford, assignor to P. A. Fournier, Hartford, Conn. Playpen. 2,629,110, Feb. 24.

Fournier, Patricia A., assignee: See—
Fournier, George E.

Fox, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Rapid-change flash lamp socket. 2,629,762, Feb. 24.

Frank & Heidecke, Fabrik Photographischer Präzisions-Apparate, assignee: See—
Knauf, Wilhelm.

Fraser, Donald S. D., Garrow, Longfield, England. Valve. 2,629,606, Feb. 24.

Fraser, Kenneth G., assignee: See—
Stillwagon, George B., Jr.

Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Heat dissipating wheel cylinder construction for hydraulic automotive vehicle brakes. 2,629,463, Feb. 24.

- Freling, Norman N., and H. L. Edwards, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling hole packer. 2,629,446, Feb. 24.
- Frenkil, James, assignee: See—
Barton, Eugene A., and Frenkil.
- Freundlich-Gomez Machinery Corp., assignee: See—
Gomez, Albert.
- Frevel, Ludo K., and J. W. Hedelund, assignors to The Dow Chemical Company, Midland, Mich. Making ethylene by catalytic pyrolysis. 2,629,753, Feb. 24.
- Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Replaceable point for plow shares. 2,629,308, Feb. 24.
- Frieder, Leonard P., Great Neck, N. Y., T. H. Garber, Silver Spring, Md., and E. G. Baker, Carbondale, assignors, by means assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Life jacket. 2,629,116, Feb. 24.
- Frieder, Leonard P., Great Neck, N. Y., and T. H. Garber, Silver Spring, Md., assignors, by means assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Life jacket having eccentrically positioned flotation material. 2,629,117, Feb. 24.
- Frieder, Leonard P., Great Neck, N. Y., T. H. Garber, Silver Spring, Md., and A. G. Luisada, New York, N. Y.; said Garber and said Luisada assignors to said Frieder. Buoyant vest. 2,629,118, Feb. 24.
- Friedmann, Benno: See—
Northmann, Shimon E., and Friedmann.
- Froehlich, Harry W., Los Angeles, Calif. Radiant stitched brassiere cup and making same. 2,629,100, Feb. 24.
- Fruit Machinery Company, assignee: See—
Harrer, Theodore M.
- Fry, John J., assignor to Fry Reglet Corporation, Bremerton, Wash. Mounting for metallic window sashes. 2,629,467, Feb. 24.
- Fry Reglet Corporation, assignee: See—
Fry, John J.
- Frye, Jack, Sedona, Ariz. Sealing device for plastic sheet material. 2,629,809, Feb. 24.
- Fuchs, Walter M.: See—
Rosenzweig, Sam., and Fuchs.
- Fuglie, Elmer A., Winona, Minn., assignor to Winona Tool Manufacturing Company. Crankshaft grinding device. 2,629,213, Feb. 24.
- Fuller Company, assignee: See—
Hornbrook, Philip R.
- Fumagalli, Charles, Guatemala City, Guatemala. Wind motor with radially pivoted blades. 2,629,450, Feb. 24.
- Fuqua, Mack C., Baton Rouge, La., assignor to Standard Oil Development Company. Spent acid restoration process. 2,629,747, Feb. 24.
- Fulton, Howard L., Oak Park, Ill. Ignition breaker. 2,629,788, Feb. 24.
- Fyler, George W., Lombard, and A. Goldsmith, Chicago, Ill., assignors to Motorola, Inc. High-frequency coupling circuits. 2,629,822, Feb. 24.
- Gaffin, Goodman, Bangor, Maine. Fire alarm and extinguisher. 2,629,449, Feb. 24.
- Gale, Marvin E.: See—
Willcox, Thomas N., Gale, and Stadthaus.
- Gallay, Harris, Belleville, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. P.T.M. modulator and demodulator system. 2,629,856, Feb. 24.
- Gallie, Pierre, Riorces, and P. and L. Nogler, assignors to Societe d'Etudes et d'Applications Techniques S. E. D. A. T., Lyon, France. Injection syringe. 2,629,376, Feb. 24.
- Gantt, James E., Elmwood Park, assignor to Universal Oil Products Company, Chicago, Ill. Separation of closely boiling fractions from a binary mixture. 2,629,239, Feb. 24.
- Garber, Thomas H.: See—
Frieder, Leonard P., and Garber.
- Frieder, Leonard P., Garber, and Baker.
- Garrett Oil Tools, Inc., assignee: See—
Peters, Clifford M.
- Garver, Ralph R.: See—
Gladfelter, Willie L., and Garver.
- Gattuso, Henry A., Adams, Mass. Stenciling apparatus. 2,629,321, Feb. 24.
- Gaut, Robert L., Vallejo, Calif. Electrically indicating dart game board. 2,629,399, Feb. 24.
- Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for making banded pressure vessels. 2,629,354, Feb. 24.
- Geer, Charles W., Long Beach, Calif., assignor to Technicolor Motion Picture Corporation. Color television screen with correction for overplay. 2,629,838, Feb. 24.
- General Aniline & Film Corporation, assignee: See—
Burnette, Llewellyn W., and Cross.
- Criz, Louis E., and Larabee.
- Duerr, Herman H., Morrell, and Harsh.
- Grosser, Frederick.
- Harsh, Harold C.
- Mueller, Fritz W. H.
- Sprung, Joseph A.
- General Electric Company, assignee: See—
Benander, George B.
- Bercy, Theodore M.
- Bondley, Ralph J.
- Dayton, Carl S.
- Dome, Robert B., and Foster.
- Hansen, Carl W., and Gustafson.
- Kero, Ruth.
- Willcox, Thomas N., Gale, and Stadthaus.
- Sherwen, Joseph W.
- General Precision Laboratory Incorporated, assignee: Derl, Hubert B.
- General Tire and Rubber Company, The, assignee: See—
Beck, Howard G.
- Giffen, James W., Corning, and J. C. Overmyer, Patented Post, assignors to Corning Glass Works, Corning, N. Y. Glass severing. 2,629,206, Feb. 24.
- Gilbert, Earl C., Jr., Hopkins, Minn. Automatic safety device for power lifts. 2,629,851, Feb. 24.
- Gilbert, Everett E., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Organic sulfide compositions and method of making and using. 2,629,742, Feb. 24.
- Gilbert, Everett E., Flushing, and J. V. Schurman, Bellaire, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Process for preparing 2-chloro-4-nitrophenol. 2,629,745, Feb. 24.
- Gilchrist, William: See—
Miller, Charles A., Dreier, and Gilchrist.
- Gillick, Laurence H., Evanston, and T. J. Lebane, North Riverside, assignors to Vapor Heating Corporation, Chicago, Ill. Hot-water heating system. 2,629,554, Feb. 24.
- Girardello, Ettore, Detroit, Mich. Punch press gauge actuator. 2,629,443, Feb. 24.
- Olveas, Hugh, assignee: See—
Baker, Robert N.
- Givnan, James D., assignee: See—
Blusick, Thomas J.
- Glowsky, Harry L., assignor to The Coleman Company, Inc., Wichita, Kans. Valve structure for gas burners. 2,629,394, Feb. 24.
- Gladfelter, Willie L., and R. R. Garver, assignors to Pangborn Corporation, Hagerstown, Md. Plate blasting machine. 2,629,207, Feb. 24.
- Glass Containers, Inc., assignee: See—
Boesch, Walter E.
- Gildes Company, The, assignee: See—
Julian, Percy L., Iveson, and McClelland.
- Godley, Philip, 2nd, Lexington, and P. J. Clough, Reading, assignors to National Research Corporation, Cambridge, Mass. Coating. 2,629,807, Feb. 24.
- Ooebel, Max T., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterogeneous, acidic hydrolysis of polymeric esters. 2,629,713, Feb. 24.
- Goerts, Richard J.: See—
Uraneck, Carl A., and Goerts.
- Goldberg, Abraham G., Chestnut Hill, Mass. Bassinet for automobiles. 2,629,109, Feb. 24.
- Goldsmith, Arthur: See—
Fyler, George W., and Goldsmith.
- Goldsmith, Hugo, assignor to Sport Products, Inc., Cincinnati, Ohio. Football pants. 2,629,094, Feb. 24.
- Goldstine, Hallan E., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Signal converter. 2,629,775, Feb. 24.
- Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing device. 2,629,383, Feb. 24.
- Gomez, Albert, Maspeth, assignor to Freundlich-Gomez Machinery Corp., Brooklyn, N. Y. Binding device for leaves and method of making the same. 2,629,382, Feb. 24.
- Goodale, Edmund E.: See—
Benade, James M., Goodale, and Jesse.
- Goodrich, B. F., The, assignee: See—
Henry, Karl R.
- Goodyear Aircraft Corporation, assignee: See—
Wolf, Edward.
- Gordon, James B., Burlingame, Calif. Dietetic food product and method of preparing the same. 2,629,665, Feb. 24.
- Gorton, George, Machine Co., assignee: See—
Baerkalo, Theodore F.
- Gosnell, Lavern, Los Angeles, Calif. Lid for cooking utensils. 2,629,511, Feb. 24.
- Gossard, H. W., Co., The, assignee: See—
Rook, William A.
- Gottschalk, John W., Manufacturing Company, assignee: See—
King, Raymond R.
- Gould-National Batteries, Inc., assignee: See—
Brown, Frank M.
- Grandmont, Paul E., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse generator. 2,629,823, Feb. 24.
- Grant, Garnet P., Jr., Old Greenwich, Conn., assignor to Grant Photo Products, Inc., New York, N. Y. Film receiving frame. 2,629,303, Feb. 24.
- Grant Photo Products, Inc., assignee: See—
Grant, Garnet P., Jr.
- Graves, Robert C., Washington, D. C. Apparatus for preserving meat. 2,629,311, Feb. 24.

- Graybrook, Herbert W., Irwin, and E. W. Ames, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressor motor control system. 2,629,337, Feb. 24.
- Greenwald, Charlotte, Astoria, N. Y. Convertible apron. 2,629,101, Feb. 24.
- Green, Walter H., Batavia, and J. M. Kahn, Glencoe, assignors to Indeco Incorporated, Chicago, Ill. Water purifying and degasifying apparatus and process. 2,629,689, Feb. 24.
- Greenlee, William B., Peru, Ind. Capacitive lighting system. 2,629,839, Feb. 24.
- Grieder, Charles K., Bangor, Pa. Power-operated clipping device. 2,629,220, Feb. 24.
- Grinnard, Samuel W., Los Angeles, Calif. Aircraft distress signal. 2,629,572, Feb. 24.
- Gross, Paul L., Truckville, Pa. Solid fuel burner. 2,629,350, Feb. 24.
- Gross, Walter E.: See—
Jelinek, Alfred F., and Gross.
- Grosser, Frederick, North Plainfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Purification of butanediol. 2,629,686, Feb. 24.
- Gruppen, James L., San Gabriel, and S. M. Wheeler, San Bernardino, Calif. Sealed headlight having auxiliary reflector. 2,629,815, Feb. 24.
- Guagliardo, Anthony D.: See—
Noide, Arthur H., and Guagliardo.
- Gustafson, Richard B.: See—
Hansen, Carl W., and Gustafson.
- Gyrodyne Company of America, Inc., assignee: See—
Papadacos, Nicholas J.
- Haesael, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic reforming process. 2,629,683, Feb. 24.
- Hagopian, Richard H., Halesborpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable dielectric heating equipment. 2,629,812, Feb. 24.
- Hakkariinen, William, Washington, D. C. Emergency fire escape system. 2,629,531, Feb. 24.
- Hall, Nathan I., Madison, and C. A. Warren, Watchung, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase adjuster. 2,629,773, Feb. 24.
- Hall, Walter B.: See—
Sillars, George S., and Hall.
- Hallander, Elvin E., West Caldwell, assignor, by means assignments, to International Projector Corporation, Bloomfield, N. J. Ventilated and automatically controlled dry cleaning apparatus. 2,629,242, Feb. 24.
- Hallander, Elvin E., West Caldwell, assignor, by means assignments, to International Projector Corporation, Bloomfield, N. J. Dry cleaning apparatus. 2,629,243, Feb. 24.
- Hammond, R. Philip, and J. A. Leary, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Filter. 2,629,459, Feb. 24.
- Handley, John, London, England, assignor to The Union Totalator Company Limited, Glasgow, Scotland. Ticket printing and issuing machine. 2,629,319, Feb. 24.
- Hanks, Kenneth G., Jr., assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse cutout. 2,629,795, Feb. 24.
- Hansen, Carl W., and R. B. Gustafson, Milwaukee, Wis., assignors to General Electric Company. Voltage measurement. 2,629,832, Feb. 24.
- Hansen, Karl J.: See—
Calhoun, James C., Davidson, and Hansen.
- Hansen, Roy R., Keansburg, assignor of fifty per cent to W. H. Sutphin, Matawan, N. J. Life raft. 2,629,115, Feb. 24.
- Hanelick, William O., Overland, assignor to Asby Manufacturing Company, St. Louis, Mo. Fastening device. 2,629,432, Feb. 24.
- Hanson, Alden W., Midland, and W. E. Donaldson, Midland County, assignors to The Dow Chemical Company, Midland, Mich. Machine for milling plastics. 2,629,129, Feb. 24.
- Hanse, Arthur R.: See—
Welsblat, David I., Hanse, Magerlein, Myers, and Rolfsen.
- Hanse, Arthur R.: See—
Welsblat, David I., Magerlein, Myers, Rolfsen, and Hanse.
- Harber Products Incorporated, assignee: See—
Moore, Albert B., and Sloofman.
- Harbour, Pheron M., Duncan, Okla. Rathole drilling apparatus. 2,629,586, Feb. 24.
- Harder, Edwio L., and S. L. Bradley, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,629,853, Feb. 24.
- Harder, William F., Lincoln, Nebr. Cooler for alfalfa meal and the like. 2,629,310, Feb. 24.
- Hardy, John C., Childersburg, Ala. Mercury switch. 2,629,797, Feb. 24.
- Harman, Denham, Orinda, assignor to Shell Development Company, Emeryville, Calif. Esters of phosphonoformic acids and polyhydric alcohols. 2,629,751, Feb. 24.
- Harrier, Theodore M., Oakland, Calif., assignor to Fruit Machinery Company. Fruit splitter and pitter. 2,629,417, Feb. 24.
- Harris, Arvel R., Evansville, Ind., assignor to International Harvester Company. Air conditioner evacuation damper. 2,629,235, Feb. 24.
- Harsh, Harold C.: See—
Duerr, Herman H., Morrell, Jr., and Harsh.
- Harsh, Harold C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Antifading baths for photographic black-and-white prints. 2,629,660, Feb. 24.
- Hart, Ivan T., Tuscarora, Nev. Portable drill press. 2,629,267, Feb. 24.
- Hart, Julius F.: See—
Brody, Harry J., Brody, and Hart.
- Hartridge, Leslie, Buckingham, England. Machine for testing the component parts of the injection systems of compression-ignition engines. 2,629,265, Feb. 24.
- Hartstein, Murray, assignee: See—
Angell, Elvin D.
- Hartup, William O., Columbus, Ind. Trimming machine. 2,629,439, Feb. 24.
- Hatlings, Donald F., Suffern, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Adjustable resistance device. 2,629,799, Feb. 24.
- Haviland, Glard S.: See—
Stoner, Arthur M., and Haviland.
- Hawkins, Dawson, assignee: See—
Rorck, Leon S.
- Hawkins, Paul E., Lakewood, assignor, by means assignments, to The Euclid Road Machinery Co., Euclid, Ohio. Seat mounting. 2,629,426, Feb. 24.
- Hay, Dana P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,629,333, Feb. 24.
- Hays Manufacturing Company, assignee: See—
Miller, Wesley G.
- Hecker, John C., and J. E. Moore, Collinsville, Ill. Cloth folding shuttle. 2,629,299, Feb. 24.
- Hedelund, John W.: See—
Frevel, Ludo K., and Hedelund.
- Heizer, Edward J., Mountain Lakes, assignor to Specialties Development Corporation, Belleville, N. J. Yarn tensioning device. 2,629,561, Feb. 24.
- Helsten, Wesley A., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,629,464, Feb. 24.
- Hendrickson, Bernard D.: See—
Schneck, Warren S., and Hendrickson.
- Henry, Karl R., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fuel tank panel. 2,629,680, Feb. 24.
- Hercules Powder Company, assignee: See—
Cox, Richard F. B.
- Hersey, Israel I.: See—
Quinn, Edward, and Hersey.
- Herzbrun, Isadore: See—
Schultis, Charles F., and Herzbrun.
- Hess, Alexander M., New York, N. Y. Pleating tape for draperies. 2,629,430, Feb. 24.
- Heyden Chemical Corporation, assignee: See—
Fiscella, Carl T.
- Heys, George, Dayton, Ohio. Fishing tackle box. 2,629,644, Feb. 24.
- Hill, Hubert M., assignor to Eastman Kodak Company, Rochester, N. Y. Insecticidal composition comprising a thermal decomposition product of pentachloropentadienoic acid. 2,629,681, Feb. 24.
- Hillis, John H.: See—
Stephenson, John O., and Hillis.
- Hinde & Dauch Paper Company, The, assignee: See—
Welschenbach, Charles D.
- Hoaqua-Sprague Corporation, assignee: See—
Sillars, George S., and Hall.
- Hodge, William H.: See—
Lindhe, Folke, and Hodge.
- Hodges Research and Development Company, assignee: See—
Latham, Allen, Jr.
- Hoffmann, Walter P., La Motte, Iowa. Calf feeding device. 2,629,360, Feb. 24.
- Holden, Artemas F., assignee: See—
Merritt, William F.
- Holland, John D.: See—
Terry, Victor J., Holland, and James.
- Hollander, William L.: See—
Hubbard, David C., and Hollander.
- Holmes, Bradford R., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Exhalation valve. 2,629,375, Feb. 24.
- Homrighausen, William F.: See—
Banfeld, Joseph R., Lebovitz, and Homrighausen.
- Hood, Andrew: See—
Coles, Arthur, Jr., and Hood.
- Hooker, Donald E., Skokie, assignor to R. T. Moloney, Chicago, Ill. Scrambling switch. 2,629,475, Feb. 24.
- Hooker, Donald E., assignor to R. T. Moloney, Chicago, Ill. Photoelectric marksmanship apparatus. 2,629,598, Feb. 24.
- Hooley, Wesley W., Hammett, Idaho. Front mounted tractor mower. 2,629,219, Feb. 24.
- Hooper, William K., Brookfield Center, assignor to Sperry Products, Inc., Danbury, Conn. Multiple angle plezo-electric searching unit. 2,629,835, Feb. 24.
- Honkins, Harris F., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone circuit. 2,629,783, Feb. 24.

LIST OF PATENTEES

Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catawqua, Pa. Pneumatic unloader. 2,629,637, Feb. 24.

Horrell, Earl J., Denver, Colo. Water temperature control valve. 2,629,400, Feb. 24.

Howard, Lewis, assignee: See—
Chaffin, Ishmael.

Howell, Herbert R., Summit, N. J. Motion check for cutting shears. 2,629,170, Feb. 24.

Howells, Llewellyn W., Long Lake, Minn. Butcher's apron with spacing band. 2,629,102, Feb. 24.

Hubbard, David C., and W. L. Hollander, assignors to A. B. Chance Company, Centralia, Mo. Fused drop-out circuit. 2,629,794, Feb. 24.

Hudson, Owen M.: See—
Allen, Howard O., and Hudson.

Hughes, George W., Winnipeg, Manitoba, Canada. License holder. 2,629,193, Feb. 24.

Hughes, T. C., assignee: See—
Jones, James E.

Hughes Tool Company, assignee: See—
Jensen, Lell E., and Warren.

Hull, Robert R., Pasadena, Calif., assignor to Sunlight Growers, Inc. Controlled temperature beverage cooler and dispenser. 2,629,229, Feb. 24.

Hull, Robert R., Pasadena, Calif., assignor to Sunlight Growers, Inc. Refrigerated beverage dispenser. 2,629,236, Feb. 24.

Hultquist, Victor J., Alcoa, Tenn. Method of assembling prefabricated building units in a building construction. 2,629,138, Feb. 24.

Hummel, Frederick S., assignor to Triumph Dishwashers Limited, Toronto, Ontario, Canada. Automatic self-cleaning dishwashing machine of the recirculating type. 2,629,301, Feb. 24.

Hunt, Clayton E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Phasing clutch for facsimile receiver. 2,629,777, Feb. 24.

Hunt, William T., Jr.: See—
Montgomery, James P., and Hunt.

Hunter, Paul B., Metuchen, N. J., assignor to The Sperry Corporation, Great Neck, N. Y. Fire control apparatus for controlling the flight of missiles. 2,629,289, Feb. 24.

Hunter, Ralph M., R. D. Blue, and M. P. Nelpert, assignors to The Dow Chemical Company, Midland, Mich. Electrolytic apparatus for production of magnesium. 2,629,688, Feb. 24.

Hurwitz, Kate H., assignor to M. Hurwitz, New York, N. Y. Corset construction. 2,629,097, Feb. 24.

Hurwitz, Miriam, assignee: See—
Hurwitz, Kate H.

Hutton, John F.: See—
Matthews, John B., Evans, Carwell, and Hutton.

Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Method of preparing organosiloxanes. 2,629,725, Feb. 24.

Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Method of preparing halosiloxanes. 2,629,726, Feb. 24.

Hydrocarbon Research, Inc., assignee: See—
Layng, Edwin T.

Hydropress, Incorporated, assignee: See—
Coxo, Giuseppe.

Illinois Tool Works, assignee: See—
Burdick, Hugh.

Imperial Chemical Industries Limited, assignee: See—
Belshaw, Philip L., and Irving.

Inflico Incorporated, assignee: See—
Green, Walter H., and Kahn.

Kahn, James M., and Kominek.

Inglis, Clyde E., Canisteo, N. Y., assignor, by means assignments, to the United States of America, as represented by the Secretary of the Navy. Automatic gain control circuit. 2,629,786, Feb. 24.

Ingersoll-Rand Company, assignee: See—
Anderson, James H.

Baker, Charles S.

McClay, Gordon F.

Interior, United States of America as represented by the Secretary of the, assignee: See—
Anderson, Robert B., and Shultz.

Deaton, William M.

International Harvester Company, assignee: See—
Harris, Arvel R.

Karlsson, Elov K.

Orelind, John H.

Palmer, John S.

Peterson, Walter R.

International Minerals & Chemicals Corporation, assignee: See—
Dupont, Louis E., Archer, and Carter.

International Projector Corporation, assignee: See—
Hallander, Elvin E.

International Resistance Company, assignee: See—
Marsten, Jesse, and Pugh.

International Standard Electric Corporation, assignee: See—
Bailey, Robert S.

Daly, Charles T.

Deloraine, Edmond M., Van Mierlo, and Derjavitchev, Benjamin.

Parzen, Benjamin.

Habuteau, Guy J.

Terry, Victor J., Holland, and James.

International Steel Company, assignee: See—
Koch, Walter G.

Irving, Francis: See—
Belshaw, Philip L., and Irving.

Iveson, Herbert T.: See—
Julian, Percy L., Iveson, and McClelland.

Ivy, Jesse T., Seattle, Wash. Telescope mounting. 2,629,176, Feb. 24.

J. A. Zurn Manufacturing Company, assignee: See—
Baker, Albert A.

J. I. Case Company, assignee: See—
Russell, Stanley D.

J. P. Marshall, assignee: See—
Jones, James E.

Jacobus Manufacturing Company, The, assignee: See—
Stoner, Arthur M., and Haviland.

James, Ivor R. J.: See—
Terry, Victor J., Holland, and James.

James, Varnell L. R., near Seattle, Wash., assignor to Boeing Airplane Company. Berthable chair. 2,629,425, Feb. 24.

Janaki, Eugene, Chicago, Ill. Protective shield for stove and like pipes. 2,629,370, Feb. 24.

Jellinek, Alfred F., and W. E. Gross, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio. Tool feed control. 2,629,468, Feb. 24.

Jensen, Lell E., Calatoga, and J. A. Warren, North Hollywood, Calif., assignors to Hughes Tool Company, Houston, Tex. Antirrollback brake for boosters. 2,629,288, Feb. 24.

Jesse, William F.: See—
Benade, James M., Goodale, and Jesse.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Bearing lubricating device. 2,629,639, Feb. 24.

Johansen, Frank M., Madison, Wis. Apparatus and method of ice-cream bar manufacture. 2,629,346, Feb. 24.

Johnson, Arthur F., Boulder, Colo. Method of concrete construction. 2,629,135, Feb. 24.

Johnson, Claude W., Berkeley, assignor, by means assignments, to Trendicator Systems Co., San Francisco, Calif. Control board. 2,629,184, Feb. 24.

Johnson, George W., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Method and means for folding shirts. 2,629,520, Feb. 24.

Johnson, George W., and J. R. Petre, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Power means for folding shirts. 2,629,521, Feb. 24.

Johnson, Lloyd F., and R. T. Tennant, Portland, Oreg. Fingerprinting machine. 2,629,194, Feb. 24.

Johnston, James B., Oklahoma City, Okla. Ground roller hold-down attachment for lawn mowers. 2,629,222, Feb. 24.

Johnston, Mary A., administratrix: See—
Smith, Walter H.

Johnston, Stephen L., Chicago, Ill. Live bait saving bobber. 2,629,198, Feb. 24.

Jones, Charles W., Ontario, Calif. Animal carrying cart. 2,629,608, Feb. 24.

Jones, James E., Morehead, assignor of fifty per cent to J. P. Marshall, Goldboro, N. C. Marine anchor. 2,629,357, Feb. 24.

Jones, James E., Farmville, assignor of forty-five per cent to T. C. Hughes, Green County, N. C. Curling of green tobacco leaves. 2,629,555, Feb. 24.

Jones, William H., assignor of thirty-three per cent to W. P. McAtee, Albuquerque, N. Mex. Centering attachment for mortising machines. 2,629,411, Feb. 24.

Jordan, Curtis S.: See—
Sneed, Robert C., and Jordan.

Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isopropylbenzene treatment. 2,629,744, Feb. 24.

Julian, Percy L., Maywood, H. T. Iveson, Berwyn, and M. L. McClelland, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Process of treating phosphatides and product. 2,629,662, Feb. 24.

Kaebler, Kurt, Springfield, N. J. Boring bar micrometer tool. 2,629,270, Feb. 24.

Kahn, James M.: See—
Green, Walter H., and Kahn.

Kahn, James M., Glencoe, and E. G. Kominek, assignors to Inflico Incorporated, Chicago, Ill. Treatment of boiler water. 2,629,367, Feb. 24.

Kahn, Leo M., Brooklyn, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Timing switch mechanism for laundry folding apparatus. 2,629,591, Feb. 24.

Kaiser, Karl, Fresno, Calif., assignor to California Central Fibre Corporation. Roll member. 2,629,136, Feb. 24.

Kamens, Irving, New York, and A. Weinstein, Brooklyn, N. Y. Catch for necklaces. 2,629,156, Feb. 24.

Karlsson, Elov K., Moline, Ill., assignor to International Harvester Company. Snapping roll with rubber inserts. 2,629,384, Feb. 24.

LIST OF PATENTEES

Kavaler, Herman H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Retarded set cement and slurries thereof. 2,629,867, Feb. 24.

Kearney, James R., Corporation, assignee: See—
Hanks, Kenneth O., Jr.

Kelger, Cyrus C., Charlotte, N. C. Dental instrument. 2,629,172, Feb. 24.

Kelser, Bernhard: See—
De Groote, Melvin, and Kelser.

Kells, Benjamin F., Mount Prospect, Ill., and N. M. Sider, Marion, Ind., assignors to Container Corporation of America, Chicago, Ill. Bicycle wheel brace. 2,629,487, Feb. 24.

Kelvin & Hughes Limited, assignee: See—
Sproule, Donald O.

Kennedy, Harry E., Berkeley, Calif., assignor, by means assignments, to Union Carbide and Carbon Corporation. Electropneumatic control system. 2,629,305, Feb. 24.

Kern, Ruth, Drexel Hill, Pa., assignor to General Electric Company. Thermal trip mechanism for circuit breakers. 2,629,796, Feb. 24.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Brine pump. 2,629,331, Feb. 24.

Kessel, Robert E., and H. T. Robinson, assignors to Eastman Kodak Company, Rochester, N. Y. Two-way film-metering device. 2,629,563, Feb. 24.

Keyser, James H., Kenova, and V. C. Curry, Huntington, W. Va. Brick slicing mechanism for ice-cream sandwich machines. 2,629,342, Feb. 24.

Kifferstein, Harry, Detroit, Mich. Bomb shelter. 2,629,348, Feb. 24.

Kinard, Curtis, assignee: See—
Roark, Leon S.

King, Raymond R., Ocean Gate, N. J., assignor to John W. Gottschalk Manufacturing Company, Philadelphia, Pa. Spool operating device. 2,629,566, Feb. 24.

Kinley, John C., assignee: See—
Dill, Glenn A.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Ceramic articles, making. 2,629,161, Feb. 24.

Klaus, Ralph E.: See—
Tuttle, Clifton M., and Klaus.

Kleio, Rudolf, Brooklyn, assignor to Leasco Ltd., New York, N. Y. Billfold. 2,629,419, Feb. 24.

Kleinbana, Schuyler: See—
Crochere, Austin B., Jr., Kleinbana, and Wood.

Kleinman, Jacob L., New York, N. Y. Helmet. 2,629,095, Feb. 24.

Kleinman, Jacob L., New York, N. Y. Shaving implement. 2,629,169, Feb. 24.

Klingens, Cornelia, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Belt tension equalizing device. 2,629,263, Feb. 24.

Knauf, Wilhelm, assignor to Franke & Heldecke, Fabrik Photographischer Präzisions-Apparate, Braunachweil, Germany. Photographic camera construction. 2,629,301, Feb. 24.

Koch, Walter G., assignor to International Steel Company, Evanston, Ind. Refrigerator car bracing panel system. 2,629,338, Feb. 24.

Koch, William H., Minneapolis, and E. Strom, North St. Paul, Minn., said Strom assignor to said Koch. Gravity return bump gate. 2,629,191, Feb. 24.

Kochalski, Horat, assignor to Kurt Korber & Co., K. G., Hamburg-Bergedorf, Germany. Device for loosening and distributing tobacco. 2,629,385, Feb. 24.

Kochalski, Horat, assignor to Kurt Korber & Co., K. G., Hamburg-Bergedorf, Germany. Device for forming tobacco rods or strings. 2,629,386, Feb. 24.

Koelan, John J., and W. H. Smith, Milwaukee, Wis. Wheel chair exercising adapter. 2,629,371, Feb. 24.

Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,629,779, Feb. 24.

Koleda, John T.: See—
Cheusa, Frank O., and Koleda.

Kollman, Paul, New York, N. Y. Device for sterilizing hollow thermoplastic articles by heat. 2,629,148, Feb. 24.

Kominek, Edward G.: See—
Kahn, James M., and Kominek.

Kopeck, Stanley J., Northville, Mich. Broach assembly. 2,629,294, Feb. 24.

Korney, Roman F., Chicago, Ill., assignor to Simmons Company, New York, N. Y. Mattress construction. 2,629,111, Feb. 24.

Korosa, Leslie L., Camden, N. J., assignor to Radio Corporation of America. Translator amplitude modulator. 2,629,858, Feb. 24.

Kovachick, Joseph L., Turtle Creek, Pa. Roof opening apparatus for railroad freight cars. 2,629,339, Feb. 24.

Kraft, Frederick G., Richmond, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cut-off gauge for winding machines. 2,629,131, Feb. 24.

Krause, Albert H., East Cleveland, assignor to The Carpenter Manufacturing Corporation, Cleveland, Ohio. Piston movement control device. 2,629,327, Feb. 24.

Kreia, Joseph D.: See—
Baumgardner, Harold K., and Kreia.

Krimmel, Carl P., Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted alkyl derivatives of α,β,γ -triarylpropionamides. 2,629,736, Feb. 24.

Krimmel, Carl P., Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted arylbenzamidines and salts thereof. 2,629,737, Feb. 24.

Krisch, Kube, Philadelphia, Pa. Phonograph needle. 2,629,605, Feb. 24.

Kron, Harold O., assignor to Philadelphia Gear Works, Inc., Philadelphia, Pa. Motor-driven valve control. 2,629,264, Feb. 24.

Krone, Howard C., Ridgewood, and W. Meyer, East Orange, assignors to Wheaton Glass Works, Newark, N. J. Hydrant for aircraft refueling. 2,629,395, Feb. 24.

Krueger, Theodore H., Stratford, assignor to Better Packaging Incorporated, Shelton, Conn. Tape dispenser provided with adjustable brush moistener. 2,629,358, Feb. 24.

Kuehn, Emil H., and T. M. Larson, Mazonia, Minn. Harrow with yielding tooth bars. 2,629,217, Feb. 24.

Kulick, George, Milwaukee, Wis. Safety valve for regulating and testing light pressures. 2,629,399, Feb. 24.

Kurt Korber & Co., K. G., assignee: See—
Kochalski, Horat.

Kurtz, Kerwin K., Stamford, and R. B. Booth, Springfield, Conn., assignors to American Cyanamid Company, New York, N. Y. Flotation of guanidine salts. 2,629,492, Feb. 24.

Kyrides, Lucas P., Zealand, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. N-alkyl-N-alpha-phenyl anilines. 2,629,720, Feb. 24.

Ladd, Floyd R., Waverly, Iowa. Pump. 2,629,328, Feb. 24.

Lahli, Anand A., Auburn, assignor of fifty percent to F. G. Ayers, Dash Point, Wash. Method and means for hot-air radiant heating. 2,629,309, Feb. 24.

Laing, John, & Son Limited, assignee: See—
Laing, John W., and Starnes.

Laing, John W., Mill Hill, London, and P. E. Starnes, Boreham Wood, assignors to John Laing & Son Limited, London, England. Apparatus for measuring and/or controlling the consistency of a paste or slurry. 2,629,790, Feb. 24.

Lakesteel Improvement Company, The, assignee: See—
Derhammer, Cline R.

Lambert, Henry G.: See—
Smith-Petersen, Nils O., Patschelder, and Lambert.

Langdon, Jesse D., Long Beach, Calif. Combined check valve and vent valve. 2,629,393, Feb. 24.

Langdon, William K., and E. F. Scoop, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkyl aryl sulfonate-liquid hydrocarbon-alkyl hydroxy compound compositions. 2,629,697, Feb. 24.

Lansky, Zdenek J.: See—
Allen, Arthur C., and Lansky.

Larrabee, Clifford E.: See—
Craig, Louis E., and Larrabee.

Larson, Francis F., Milford, assignor to Draper Corporation, Hopedale, Mass. Temple thread cutter for looms. 2,629,408, Feb. 24.

Larson, Karl R., Altlin, Minn. Fish lure. 2,629,199, Feb. 24.

Larson, Tilden M.: See—
Kuehn, Emil H., and Larson.

Latham, Allen, Jr., Jamaica Plain, Mass., assignor, by means assignments, to Hodges Research and Development Company, San Francisco, Calif. Process and apparatus for aging meats and storing vegetables. 2,629,232, Feb. 24.

Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,629,096, Feb. 24.

Lauber, Urban S.: See—
Merriam, Henry F., and Lauber.

Laughlin, William C., New York, N. Y. Discharge mechanism for hydraulic separators. 2,629,496, Feb. 24.

Laustedt, Samuel H., Menomonie, Wis. Exercise machine. 2,629,373, Feb. 24.

La Via, Joseph, Ridgewood, N. Y. Radio echo direction determining apparatus. 2,629,868, Feb. 24.

Layng, Edwin T., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,629,729, Feb. 24.

Leaderman, Earle, assignor to Lee-Marc Fabrics, Philadelphia, Pa. Yarn changing means for circular knitting machines. 2,629,240, Feb. 24.

Leary, Joseph A.: See—
Hammond, R. Philip, and Leary.

Lebovitz, Jack: See—
Baumfeld, Joseph R., Lebovitz, and Homrighausen.

Lee-Marc Fabrics, assignee: See—
Leaderman, Earle.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for effecting the catalytic conversion of an organic reactant stream, particularly a liquid charge. 2,629,084, Feb. 24.

Legg, George C. J., Brentford, and C. M. Mitchell, Heston, assignors to D. Napier & Son Limited, London, England. Machining of turbine or axial compressor blades. 2,629,208, Feb. 24.

Legg, George C. J., Brentford, and W. C. H. Crook, Hounslow, assignors to D. Napier & Son Limited, London, England. Apparatus for use in the production of plate gages or other plate-like elements having a predetermined edge contour. 2,629,282, Feb. 24.

LIST OF PATENTEEES

- Lehane, Timothy J.: See—
Glick, Laurence H., and Lehane.
Levit, Barney, Chicago, Ill. Parlor baseball game apparatus. 2,629,597, Feb. 24.
Lexco Ltd., assignee: See—
Klein, Rudolf.
Le Tourneau, Robert G., Longview, Tex. Snap switch. 2,629,791, Feb. 24.
Levin, Carl A., Park Ridge, assignor to Ditto, Incorporated, Chicago, Ill. Drive control means for rotary duplicating machines. 2,629,322, Feb. 24.
Lewis, James C., Detroit, Mich. Vehicle wheel mounting. 2,629,634, Feb. 24.
Lied, Edgar B., and J. Tompkins, Elizabeth, N. J., and Lied assignor to said Tompkins. Four-point leaf spring suspension for baby carriages. 2,629,610, Feb. 24.
Liehe, Hubert J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Grease. 2,629,692, Feb. 24.
Lifton, William E., Elizabeth, and W. E. Morris, Roselle, N. J., assignors to Standard Oil Development Company. Aviation fuel and method of preparing same. 2,629,685, Feb. 24.
Lindhe, Folke, and W. H. Hodge, assignors to Master Rule Manufacturing Co., Inc., Middletown, N. Y. Fokling rule joint. 2,629,179, Feb. 24.
Line, Robert C., Jr., Missoula, Mont. Jogger. 2,629,392, Feb. 24.
Link, George H., Denver, Colo. Device for measuring total length of assembled well casing. 2,629,257, Feb. 24.
Little, Arthur D., Inc., assignee: See—
Fogler, Benjamin H., and Nugent.
Lock Joint Pipe Company, assignee: See—
Folke, Eugene F.
Loeb, Carol S., assignee: See—
Fernald, Merritt C.
Loeber, Donald B., Milwaukee, Wis., assignor, by mesne assignments, to The Sarg Paper Company, Middletown, Ohio. Machine for fabricating laminated signatures provided with sheet metal inserts. 2,629,423, Feb. 24.
Longacre, Andrew, Oak Ridge, Tenn., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Tunable protective electric breakdown device. 2,629,774, Feb. 24.
Loose Leaf Metals Co., assignee: See—
Derringer, Pete O., and Davis.
Lorenzen Hardware Mfg. Corp., assignee: See—
Nelson, Harry.
Louisiana Tung Corporation, assignee: See—
Smith, Horace L., Jr., and Miller.
Loveless, Aaron O., Fort Worth, Tex. Garment drier. 2,629,183, Feb. 24.
Loyot, Charles G.: See—
Loyot, Clara D., and C. G.
Loyot, Clara D., and C. G., Waterbury, Conn. Clothes hanger attachment. 2,629,575, Feb. 24.
Lubrisol Corporation, The, assignee: See—
Pruett, Carl F.
Luedtke, Harry E., Detroit, Mich. Reinforced wooden bowling pin. 2,629,596, Feb. 24.
Lulaada, August G.: See—
Frieder, Leonard P., and Garber.
Luketa, Frank J., Seattle, Wash. Lounge chair. 2,629,428, Feb. 24.
Lundgren, Harold P., Berkeley, W. Fong, San Francisco, and A. S. Yelzer, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Wool scouring process. 2,629,723, Feb. 24.
Luterick, Marcellus C., Mantrose, assignor to Arden Furna Co., Los Angeles, Calif. Valve structure for semi-solid products. 2,629,577, Feb. 24.
Luther, Paul E., Oakland, assignor, by mesne assignments, to Fruit Machinery Company, Berkeley, Calif. Fruit pitting mechanism. 2,629,416, Feb. 24.
Lyle, John P., Jr., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Plastic alloy which sets at room temperature. 2,629,656, Feb. 24.
Lyon, George A., Allenhurst, N. J. Wheel raver. 2,629,635, Feb. 24.
Lyon, George A., Detroit, Mich. Wheel cover. 2,629,636, Feb. 24.
Lyon, George A., Detroit, Mich. Buffing wheel and making the same. 2,629,212, Feb. 24.
Lyons, J., & Company Limited, assignee: See—
Sutherland, Howell.
M. H. Treadwell Company, Inc., assignee: See—
Ryan, Rhys E., and McNamara.
MacClaren, Robert H.: See—
Richter, George A., and MacClaren.
MacDougall, Franklin M.: See—
Rose, Howard E., MacDougall, and Schoen.
MacKay, Robert G., and G. H. McLaughlin, assignors to Sherlitt Gordon Mines Limited, Toronto, Ontario, Canada. Radiation-measuring device. 2,629,824, Feb. 24.
Maekey, E. Scudder, Binghamton, N. Y. Antifading baths for photographic black and white materials. 2,629,661, Feb. 24.
Macy, James C., Westfield, N. J., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,629,763, Feb. 24.
Magerlein, Barney J.: See—
Welsblat, David I., Hanz, Magerlein, Myers, and Rolfsen.
Welsblat, David I., Magerlein, Myers, Rolfsen, and Hanz.
Mahruki, Mehmet T. N., Istanbul, Turkey. Retractable liquid applying means. 2,629,123, Feb. 24.
Makant, Joseph E., and G. W. Smithson, Pawtucket, and K. R. Wunschel, Graniteville, R. I., assignors to Niles-Rement-Pond Company, West Hartford, Conn. Control for machine tools. 2,629,163, Feb. 24.
Maki, Carl J., San Tome, Venezuela, assignor to Phillips Petroleum Company. Process for the dehydration of fluids. 2,629,460, Feb. 24.
Malek, Frank, Shaker Heights, Ohio. Milk chute refrigerator. 2,629,231, Feb. 24.
Malstrom, N. I., & Company, assignee: See—
Sunde, Conrad J.
Maniscalco, Pietro, Chicago, Ill. Compressor. 2,629,543, Feb. 24.
Marasigan, Conrado S., Fort Monmouth, N. J. Dish rack. 2,629,498, Feb. 24.
Mark, Richard S.: See—
Drake, Edward P., and Mark.
Marallus, Newman M., Trombull, assignor to The Products Machine Company, Bridgeport, Conn. Removable guide pin. 2,629,615, Feb. 24.
Marsten, Jesse, Carroll Park, and A. L. Pugh, Jr., Hala-Cynwyd, assignors to International Resistance Company, Philadelphia, Pa. Forming resistor assemblies. 2,629,160, Feb. 24.
Martin, Charles H., Springfield, Mass. Parking meter. 2,629,438, Feb. 24.
Martin, Henry, Wadsworth, and P. Keketty, Akron, assignors to The Sun Rubber Company, Harberton, Ohio. Apparatus for the manufacture of hollow cast articles. 2,629,131, Feb. 24.
Maschinenfabrik Schwelter A. G., assignee: See—
Schwelter, Walter.
Master Rule Manufacturing Co., Inc., assignee: See—
Lindhe, Folke, and Hodge.
Mathias Aichberger, assignee: See—
Aichberger, Maria.
Matheson Chemical Corporation, assignee: See—
Morningstar, Ralph E., and Whipple.
Matteson, George A., Jr.: See—
Ottmar, Jerome, Matteson, Savolainen, and Chace.
Matthews, John B., D. Evans, W. D. Carswell, and J. F. Hutton, Thornton le Moors, England, assignors to Shell Development Company, Emeryville, Calif. Manufacture of lithium lubricating greases. 2,629,695, Feb. 24.
Mattice, Peter, Wells, Nev. Hay stacker. 2,629,505, Feb. 24.
Mauchly, John W.: See—
Eckert, John P., Jr., and Mauchly.
Mavor & Coulson, Limited, assignee: See—
Thomson, James.
Maxwell, Keaton B., Kansas City, Mo. Portable frozen confection dispenser. 2,629,344, Feb. 24.
May, Edmund R., Lincolnwood, assignor to S. May, Chicago, Ill. Coin changer and coin control device. 2,629,477, Feb. 24.
May, John A., Seattle, Wash. Sliding door locking mechanism. 2,629,619, Feb. 24.
May, Sam, assignee: See—
May, Edmund R.
McAtee, W. Peter, assignee: See—
Jones, William H.
McBurney, Charles H., Philadelphia, Pa. Halomethylated vinyl-aromatic copolymers. 2,629,710, Feb. 24.
McClay, Gordon F., Lennoxville, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Reciprocating engine. 2,629,303, Feb. 24.
McClelland, Leitch M.: See—
Jullian, Percy L., Iveson, and McClelland.
McCullough, David S., New York, N. Y. Machine-tool nut. 2,629,292, Feb. 24.
McDonald, James L., Jr.: See—
Norville, Lon A., Jr., and McDonald.
McElvenny, William H., Drexel Hill, Pa., assignor to Crane Packing Company, Chicago, Ill. Electric control for motors. 2,629,852, Feb. 24.
McElvaine, Douglas K., Des Plaines, Ill., and W. P. Myers, Jr., Webster Groves, assignors to Alco Valve Company, University City, Mo. Controller for liquid level or the like. 2,629,826, Feb. 24.
McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Seat construction. 2,629,427, Feb. 24.
McKay, Herbert C., assignor to W. D. Foster, Eustis, Fla., and himself as trustees. Method of construction of sensitive thermocouples. 2,629,757, Feb. 24.
McKinney, Alfred H., Chester, Pa. Measurement of levels of materials in tanks. 2,629,261, Feb. 24.
McLagan, Russell G., Milford, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Sleeve press. 2,629,322, Feb. 24.
McLane, Fletcher E., Lancaster, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric apparatus for controlling core-type reel drives. 2,629,850, Feb. 24.
McNamara, William J.: See—
Ryan, Rhys E., and McNamara.

LIST OF PATENTEEES

- McLaughlin, George H.: See—
MacKay, Robert G., and McLaughlin.
McVey, Clarence H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Collar fastener. 2,629,616, Feb. 24.
McVey, Ernest, Denver, Colo. Inserting and sealing machine. 2,629,214, Feb. 24.
Means, Percy, Indianapolis, Ind., assignor to the United States of America as represented by the Secretary of the Navy. Expander pliers. 2,629,276, Feb. 24.
Meier and Pohlmann Furniture Company, assignee: See—
Whallon, Curtis.
Melta, Erwin F., Detroit, Mich. Loading apparatus. 2,629,506, Feb. 24.
Meline, Irving N., Elma, N. Y. Motor-driven rotary pump. 2,629,330, Feb. 24.
Mendelsohn, Bernard E., Newtown, Mass. Cylinder lock. 2,629,249, Feb. 24.
Merriam, Henry F., West Orange, and U. S. Lauber, Ridgewood, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of sulfuric acid. 2,629,651, Feb. 24.
Merrill, Casper W., Logan, Utah. Evaporator and refrigeration system. 2,629,238, Feb. 24.
Merritt, Donald R., assignor to Rocky Mountain Arms Equipment Co. Inc., Helena, Mont. Telescope sight mount for rifles. 2,629,175, Feb. 24.
Merritt, William F., Middletown, N. Y., assignor, by mesne assignments, to A. F. Holden, Milford, Mich. Fingernail polish remover. 2,629,124, Feb. 24.
Merts, Orville N.: See—
Tupper, Gordon W., and Merts.
Metals & Controls Corporation: See—
Ottmar, Jerome, Matteson, Savolainen, and Chace.
Savolainen, Unto U.
Metropolitan Vickers Electrical Company Limited, assignee: See—
Polson, Reginald A.
Meyer, Henry: See—
Bowman, Robert L., and Meyer.
Meyer, William: See—
Krone, Howard C., and Meyer.
Meyercood Company, The, assignee: See—
Rathke, Harry C.
Meurci, Guy, Geneva, Switzerland, assignor to H. Roat, London, England. Suspension clip device. 2,629,154, Feb. 24.
Mihaly, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Tape-controlled camera shutter and release. 2,629,302, Feb. 24.
Milburn, Walter F., Chicago, Ill. Hot top. 2,629,152, Feb. 24.
Miller, Charles A., V. G. Dreier, and W. G. Giesler, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Absorption refrigerator. 2,629,234, Feb. 24.
Miller, Clarence H., assignor to Standard Pattern Works, Detroit, Mich. Core grinding machine. 2,629,209, Feb. 24.
Miller, Daniel W., assignor to one-half to E. G. Brown, Lakewood, Ohio. Garbage disposal device. 2,629,558, Feb. 24.
Miller, John G.: See—
Smith, Horace L., Jr., and Miller.
Miller, Ralph A., Dayton, Ohio, assignor, by mesne assignments, to The Dayton Tachimeter Co. Tachimeter. 2,629,548, Feb. 24.
Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Magnetically controlled packless valve. 2,629,401, Feb. 24.
Milligan, Wilbur E., assignor to Walworth Company, Boston, Mass. Adjustable outer jaw pipe wrench of the pivoted housing type. 2,629,280, Feb. 24.
Mitchell, Charles M.: See—
Legg, George C. J., and Mitchell.
Moeller, Edward G., Davenport, Iowa. Metal slat awning. 2,629,144, Feb. 24.
Mogilotti, Dominic: See—
Armstrong, Robert S., and D. and F. S. Mogilotti.
Mogilotti, Frank S.: See—
Armstrong, Robert S., and D. and F. S. Mogilotti.
Mollitor, Robert P., Akron, assignor to The Sun Rubber Company, Harberton, Ohio. Manufacturing articles from vinyl resins. 2,629,134, Feb. 24.
Molla, Pietro, Mezero, assignor to S. A. F. F. A. Società Anonima Fabbrie Flammiferi ed Affini, Milano, Italy. Printing and molding press for snap cakes. 2,629,158, Feb. 24.
Moloney, Raymond T., assignee: See—
Hooker, Donald E.
Hooker, Donald E., and Moloney.
Monarch Tool & Machinery Co., assignee: See—
Rudreck, Frances.
Monroe Auto Equipment Company, assignee: See—
McIntyre, Brouwer D.
Monasato Chemical Company, assignee: See—
Kyrides, Lucas P.
Montgomery, James P., Buffalo, and W. T. Hunt, Jr., Williamsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive control system. 2,629,846, Feb. 24.
Moore, Alberta B., Valley Park, and A. B. Slossman, Webster Groves, assignors to Harbor Products Incorporated, St. Louis, Mo. Cover for playpen pads. 2,629,112, Feb. 24.
Moore, Edward E., Yonkers, assignor to Stein, Hall & Company, Inc., New York, N. Y. Modified starch-urea-formaldehyde water resistant adhesive. 2,629,699, Feb. 24.
Moore, John E.: See—
Hecker, John C., and Moore.
Morgan, Paul W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation and hydrolysis of esters. 2,629,716, Feb. 24.
Morningstar, Ralph E., Columbus, Ohio, and G. H. Whipple, Wilmington, Del., assignors to Mathieson Chemical Corporation. Noncaking finely ground sulfur. Production of. 2,629,133, Feb. 24.
Morrill, Herbert W., Jr.: See—
Duerr, Herman H., Morrill, and Harsh.
Morris, William E.: See—
Lifson, William E., and Morris.
Morway, Arnold J., Clark Township, Union County, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Rust preventative composition. 2,629,666, Feb. 24.
Moss, Henry V.: See—
Watts, Betty M., and Moss.
Motorola, Inc., assignee: See—
Fyler, George W., and Goldsmith.
Mottet, Fernand M., Park, W. Va. Diamond holder attachment. 2,629,173, Feb. 24.
Moyer, Oscar E., assignor to Universal Manufacturing Corp., Zellenople, Pa. Elevator safety device. 2,629,461, Feb. 24.
Mozal, William H.: See—
Nardulli, Michael J.
Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Process of hardening gelatin silver halide emulsions. 2,629,659, Feb. 24.
Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,629,583, Feb. 24.
Mueller, Walter, Clifton, N. J. Hoselery. 2,629,241, Feb. 24.
Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Fountain pen construction. 2,629,362, Feb. 24.
Muench, Walter, Incorporated, assignee: See—
Muench, Walter.
Mulrane, Thomas J., Jersey City, N. J. Color chart. 2,629,185, Feb. 24.
Munson, Ralph H., St. Paul, Minn. Spray nozzle. 2,629,632, Feb. 24.
Murphy Automatic Pinsetter Company, Inc., assignee: See—
Anderson, Frank W.
Murphy, David M., Mason City, Iowa. Adjustable lamp carrier. 2,629,813, Feb. 24.
Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Photochromography, printing sheet, and printing ink therefor. 2,629,671, Feb. 24.
Musacchia, Frank J.: See—
Duhalme, Edward J.
Mutch, Gordon C.: See—
Wilkins, Richard A., and Mutch.
Myers, Donald R.: See—
Welsblat, David I., Hanz, Magerlein, Myers, and Rolfsen.
Welsblat, David I., Magerlein, Myers, Rolfsen, and Hanz.
Myers, William P., Jr.: See—
McElvaine, Douglas K., and Myers.
Napier, D., & Son Limited, assignee: See—
Legg, George C. J., and Crook.
Legg, George C. J., and Mitchell.
Naples, Angelo F., assignee: See—
Nardulli, Michael J.
Nardulli, Michael J., assignee: See—
Nardulli, Michael J.
Nardulli, Michael J., Elmwood Park, Ill., assignor to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, as trustees and known as "Western Engineering Trust." Latching device for storm windows. 2,629,466, Feb. 24.
Nardulli, Peter E., assignee: See—
Nardulli, Michael J.
Nash-Kelvinator Corporation, assignee: See—
Ohmart, Graydon R.
Wahlberg, Nils E., and Sladky.
National Cotton Compress and Cotton Warehouse Association, assignee: See—
Tillinghast, Ray C.
National Research Corporation, assignee: See—
Godley, Philip, 2nd, and Clough.
National Steel Corporation, assignee: See—
Thelander, Adolph F.
Navy, United States of America as represented by the Secretary of the Navy: See—
Cady, Willoughby M., and Nicholson.
Ingalls, Clyde E.
Longacre, Andrew.
Means, Percy.
Schmitt, Otto H.
Wells, Herbert G.
Neamand, Vincent, Narberth, Pa. Tool for breaking concrete and the like. 2,629,588, Feb. 24.

- Nebolsine, Ross, New York, N. Y. Method for effecting and controlling the recharge of underground formations by special wells. 2,629,147, Feb. 24.
- Neckel, Edmund N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Shirt folder. 2,629,519, Feb. 24.
- Nelpert, Marshall P.: See—
Hunter, Ralph M., Blue, and Nelpert.
- Neja, Ambrose A., Anaheim, Calif. Box unstacker. 2,629,503, Feb. 24.
- Nelles, Lafayette H., assignor to A. W. Taylor Industries Limited, Toronto, Ontario, Canada. Folding shovel or like tool. 2,629,624, Feb. 24.
- Nelson, Christian K., Los Angeles, Calif., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Bag dispensing apparatus for bagging machines. 2,629,366, Feb. 24.
- Nelson, Harry, assignor to Lorensen Hardware Mfg. Corp., New York, N. Y. Venetian blind supporting and actuating structure. 2,629,434, Feb. 24.
- Nelson, Herbert, Bloomfield, and B. N. Slade, Morristown, N. J., assignors to Radio Corporation of America. Semiconductor amplifier or oscillator device. 2,629,767, Feb. 24.
- Nelson, Robert M., Wilmette, Ill. Dock plate. 2,629,126, Feb. 24.
- Nelson, Talbert G., New York, N. Y. Fruit juicer. 2,629,317, Feb. 24.
- Nerney, George E., Attleboro, Mass., assignor to Standard Plastics Company, Inc. Nose pad for ophthalmic mountings. 2,629,284, Feb. 24.
- Nibert, Benjamin E., Edinburg, Tex. Display device. 2,629,187, Feb. 24.
- Nicholson, David B.: See—
Cady, Willoughby M.
- Nichols, Harry J., New York, N. Y. Controllable pitch propeller. 2,629,151, Feb. 24.
- Nielsen, Axel T., Old Mystic, Conn., and A. A. Romano, Maywood, N. Y., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Preparation of aminophylline. 2,629,717, Feb. 24.
- Niles-Bement-Pond Company, assignee: See—
Makant, Joseph E., Smithson, and Wunschel.
- Nix, John C., III, Tuscaloosa, Ala. Paper cutter for paper mill drying rollers. 2,629,182, Feb. 24.
- Nogier, Louis: See—
Gallice, Pierre P. and L., and Nogier.
- Nogier, Paul: See—
Gallice, Pierre P. and L., and Nogier.
- Nolde, Arthur H., and A. D. Guagliardo, Wauwatosa, assignors to The Falk Corporation, Milwaukee, Wis. Grooving tool. 2,629,269, Feb. 24.
- Norden Laboratories Corporation, The, assignee: See—
Taylor, James E.
- Nordquist, Ronald E. J.: See—
Preis, Carl O., and Nordquist.
- North American Aviation, Inc., assignee: See—
Borer, Walter M.
- Northwestern Steel and Wire Company, assignee: See—
Bell, George W.
- Norton Company, assignee: See—
Kietler, Samuel S.
- Norville, Lon A., Jr., and J. L. McDonald, Jr., Richmond, Calif. Rotary roasting fork. 2,629,313, Feb. 24.
- Nothmann, Shlismohn E., and B. Friedmann, Tel-Aviv, Israel. Recording rain gauge. 2,629,258, Feb. 24.
- Nugent, John B.: See—
Fogler, Benjamin B., and Nugent.
- Oakite Products, Inc., assignee: See—
Dodd, Sidney R., and Ainsley.
- O'Donnell, Roland E., Dallas, Tex. Device for use with open hole testers in wells. 2,629,444, Feb. 24.
- O'Herron, John E., Detroit, Mich. Fastener. 2,629,157, Feb. 24.
- Ohio Brass Company, The, assignee: See—
Sawyer, Thomas H.
- Ohio Crankshaft Company, The, assignee: See—
Body, Alfred C.
- Ohmatt, Grayton B., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,629,544, Feb. 24.
- Olden, Roger G., Princeton, N. J., assignor, by means assignments, to the United States of America as represented by the United States Atomic Energy Commission. Rotary compress pump. 2,629,333, Feb. 24.
- Olin Industries, Inc., assignee: See—
Cathonn, James C., Davidson, and Hanson.
- Olney, Richard B., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for contacting fluids. 2,629,654, Feb. 24.
- Olsen, John C., Campbell, and T. A. Dungan, Los Altos, Calif., assignors to Food Machinery and Chemical Corporation. Food freezing apparatus. 2,629,233, Feb. 24.
- Olson, Oscar J., Seattle, Wash. Car parking mechanism. 2,629,507, Feb. 24.
- Onondaga Pottery Company, assignee: See—
Briggs, Arthur J.
- Orellind, John R., Wilmette, Ill., assignor to International Harvester Company. Power washing centrifugal separator. 2,629,547, Feb. 24.
- Osgood, Elliott D.: See—
Schechter, William H., and Osgood.
- Ottmar, Jerome, Attleboro, Mass., G. A. Matteson, Jr., Providence, R. I., U. U. Savolainen, Attleboro, and P. G. Chase, Attleboro Falls, assignors to Metals & Controls Corporation, Attleboro, Mass. Pressure receptacle and closure therefor. 2,629,513, Feb. 24.
- Overmyer, Jay C.: See—
Giffen, James W., and Overmyer.
- Pabst, Richard E., San Antonio, Tex., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,629,845, Feb. 24.
- Pacific Coast Engineering Company, assignee: See—
Bernier, Leo.
- Pacific Mills, assignee: See—
Croes, Arthur.
- Parkease-Servease Corp., assignee: See—
Barnhard, Harold J.
- Page, Robert M., Washington, D. C. Position indicating apparatus. 2,629,866, Feb. 24.
- Palatine Dyeing Company, Inc., assignee: See—
Peck, Henry E.
- Palmer, John S., Evansville, Ind., assignor to International Harvester Company. Floating inner pan for refrigerator cabinet doors. 2,629,141, Feb. 24.
- Pangborn Corporation, assignee: See—
Gladfelter, Wittle I., and Garver.
- Pantechnickoff, Jacques I., Princeton, N. J., assignor to Radio Corporation of America. Photocell amplifier construction. 2,629,802, Feb. 24.
- Papadakis, Nicholas J., Brooklyn, assignor to Gyrodyn Company of America, Inc., New York, N. Y. Helicopter rotor control system. 2,629,567, Feb. 24.
- Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Loom attachment for production of fringe. 2,629,404, Feb. 24.
- Parks, Dorothy E., Avalon, Calif. Syringe bag. 2,629,377, Feb. 24.
- Parson, Leroy V., assignor to The F. C. Russell Company, Cleveland, Ohio. Awning shutter. 2,629,145, Feb. 24.
- Parson, Benjamin, assignor to International Standard Electric Corporation, New York, N. Y. Receiver tuning device. 2,629,864, Feb. 24.
- Patscheider, Walter A.: See—
Smith-Petersen, Nils O., Patscheider, and Lambert.
- Paul, Herman L., Jr., New Rochelle, N. Y., assignor to Paul Valve Corporation, Essex Fells, N. J. Ball valve. 2,629,578, Feb. 24.
- Paul, Herman L., Jr., New Rochelle, N. Y., assignor to Paul Valve Corporation, Essex Fells, N. J. Ball valve. 2,629,579, Feb. 24.
- Paul Valve Corporation, assignee: See—
Paul, Herman L., Jr.
- Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine with protective covering slitting means. 2,629,352, Feb. 24.
- Payawell Products Corporation, assignee: See—
Drewes, Menke, Jr.
- Pearson, Charles B., Huntington Park, Calif., assignor to Hughes Tool Company, Houston, Tex. Antirollback brake for ammunition boosters. 2,629,287, Feb. 24.
- Pearson, Gerald L., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,629,800, Feb. 24.
- Peck, Henry E., Fairport, assignor, by means assignments, to Palatine Dyeing Company, Inc., St. Johnsville, N. Y. Heat-treating textile fabrics, Method and apparatus for. 2,629,162, Feb. 24.
- Peck, Stow & Wilcox Company, The, assignee: See—
Cavanagh, William J.
- Pedagno, Antonio D., Brooklyn, N. Y. Self-closing and sealing container cap. 2,629,518, Feb. 24.
- Peck, Henry L., Boston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic shock absorber. 2,629,462, Feb. 24.
- Perkin-Elmer Corporation, The, assignee: See—
Baker, James G.
- Peters, Clifford M., Longview, assignor, by means assignments, to Garrett Oil Tools, Inc., Houston, Tex. Gas lift apparatus. 2,629,335, Feb. 24.
- Petersen, Emily A. M., Chicago, Ill. Garment hanger. 2,629,525, Feb. 24.
- Peterson, Lisa C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transversal electric wave filter. 2,629,841, Feb. 24.
- Peterson, Theodore E., Comfrey, Minn. Cobbler's nippera. 2,629,114, Feb. 24.
- Peterson, Walter H., Point Richmond, assignor to Shell Development Company, San Francisco, Calif. Grease manufacture. 2,629,691, Feb. 24.
- Peterson, Walter R., Hinsdale, Ill., assignor to International Harvester Company. Reciprocating floor bottom for unloading vehicles. 2,629,504, Feb. 24.
- Petre, John R.: See—
Johnson, George W., and Petre.
- Petre, Severin W., Wichita Falls, Tex. Rotatable brushing tool for cleaning pipe threads. 2,629,121, Feb. 24.
- Petrolite Corporation, assignee: See—
De Groot, Melvin, and Keiser.
- Pfizer, Chas. & Co., Inc., assignee: See—
Nielsen, Axel T., and Romano.
- Philadelphia Gear Works, Inc., assignee: See—
Kron, Harold O.
- Phillips, Mortimer J., Emmett, Idaho. Adjustable lift chain for hoists. 2,629,625, Feb. 24.
- Phillips Petroleum Company, assignee: See—
Condon, Francis E.
- Freling, Norman S., and Edwards, Kaveler, Herman H.
- Maki, Carl J.
- Uranek, Carl A., and Goerts.
- Uranek, Carl A., and Rothlisberger.
- Phillips, Stanley H., Stratford, assignor to The Warner Brothers Company, Bridgeport, Conn. Brassiere. 2,629,099, Feb. 24.
- Philpott, La Verne R., Washington, D. C. High-frequency signal translation circuit. 2,629,821, Feb. 24.
- Phoenix-Gummiwerke A. G., assignee: See—
Stegemann, Walter.
- Phyfe, James D.: See—
Byrd, John, and Phyfe.
- Pifer, Marion J., Williamsburg, assignor, by means assignments, to Sylvania Electric Products Inc., New York, N. Y. Double gate push-off spindle for phonographs. 2,629,604, Feb. 24.
- Pioneer Suspender Company, assignee: See—
Easlick, Lloyd H.
- Plitney-Bowen, Inc., assignee: See—
Baptist, Victor P.
- Pittomere Log Corporation, assignee: See—
Corbin, Francis L.
- Pitt, Frances J., New York, N. Y. Process of ornamental dyeing. 2,629,647, Feb. 24.
- Plantfeber, Jacobus M.: See—
Barton, Robert C., Bergstrom, and Plantfeber.
- Polson, Reginald A., Manchester, assignor to Metropolitan Vickers Electrical Company Limited and Vickers-Armstrongs Limited, London, England. Hydraulic power aligning mechanism. 2,629,226, Feb. 24.
- Ponstingl, John C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pneumatic timing relay. 2,629,793, Feb. 24.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visual representation of complex waves. 2,629,778, Feb. 24.
- Prager, Majorie E., assignee: See—
Prager, Martin.
- Prager, Martin, Irvington, assignor of one-half to M. E. Prager, Union City, N. J. Composite bottle. 2,629,505, Feb. 24.
- Preis, Carl G., Forest Hills, N. Y., and R. E. J. Nordquist, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Mechanism for loading sheet material into magazines. 2,629,502, Feb. 24.
- Preisinger, Carl M., Cicero, and J. E. Svabek, Jr., Chicago, Ill. Combination oil fill and vent wall fitting. 2,629,510, Feb. 24.
- Pridy, Whetstone B., Long Beach, Calif. Slotting pipe. 2,629,164, Feb. 24.
- Products Machine Company, The, assignee: See—
Marshall, Newman M.
- Pruitt, Carl F., New York, N. Y., assignor to The Lubrizol Corporation, Wickliffe, Ohio. Corrosion inhibitors. 2,629,676, Feb. 24.
- Pugh, Alexander L., Jr.: See—
Maraten, Jesse, and Pugh.
- Purveyer, Lloyd, assignee: See—
Roark, Leon S.
- Quillman, Michael J., Bronx, N. Y. Capseal. 2,629,512, Feb. 24.
- Quimby, Arthur G., Brookline, and J. A. Venedam, East Boston, assignors to Doe & Ingalls, Inc., Everett, Mass. Process of removing heat-sealed adhesive labels. 2,629,675, Feb. 24.
- Quinn, Edward, Saugus, and I. I. Hersey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for assembling insoles and pre-fitted uppers. 2,629,119, Feb. 24.
- Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. Radial flux magnetic fluid clutch. 2,629,471, Feb. 24.
- Rabuteau, Guy J., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Diversity system. 2,629,816, Feb. 24.
- Radio Corporation of America, assignee: See—
Byrd, John F., and Phyfe.
- Carson, Benjamin R.
- Goldstone, Hailan E.
- Koros, Leslie L.
- Nelson, Herbert, and Slade.
- Pantechnickoff, Jacques I.
- Rand, H. J., Washing Machine Corp., assignee: See—
Rand, Henry J.
- Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Shock wave washer with vacuum operated squeezer extractor. 2,629,244, Feb. 24.
- Raney, Robert M.: See—
Wells, Leland E., and Raney.
- Rank, David H., State College, Pa., assignor to De Laval Steam Turbine Company, Trenton, N. J. Optical torque measuring system. 2,629,256, Feb. 24.
- Rath, Stephen, assignor to Science Associates Inc., New York, N. Y. Stabilized azulene oil. 2,629,750, Feb. 24.
- Rathke, Harry C., assignor to The Meyercoed Company, Chicago, Ill. Vitreous decalcomania. 2,629,676, Feb. 24.
- Rathke, Harry C., assignor to The Meyercoed Company, Chicago, Ill. Vitreous decalcomania and method of applying the same. 2,629,679, Feb. 24.
- Rattl, Luis P., Buenos Aires, Argentina. Spring clip for fastening papers. 2,629,153, Feb. 24.
- Raught, Arthur V.: See—
Boll, John H., and Raught.
- Rawlings Manufacturing Company, assignee: See—
Latina, Harry H.
- Reconstruction Finance Corporation, assignee: See—
Frieder, Leonard P., and Garber.
- Frieder, Leonard P., Garber, and Baker.
- Rekettys, Paul: See—
Martin, Henry, and Rekettys.
- Rempel, Dietrich G., assignor to Rempel Manufacturing, Inc., Akron, Ohio. Apparatus for producing articles as by compound rotation of article-forming means. 2,629,130, Feb. 24.
- Rempel Manufacturing, Inc., assignee: See—
Rempel, Dietrich G.
- Renwick, Charles S., Jr., Richmond, Calif. Display tank for lures and propulsion means therefor. 2,629,188, Feb. 24.
- Replogle, James B., Waukegan, Ill. Oscillating electrical compressor. 2,629,538, Feb. 24.
- Revere Copper and Brass Incorporated, assignee: See—
Wilkins, Richard A., and Mutch.
- Reynolds, Julian L., Richmond, Va. Container. 2,629,534, Feb. 24.
- Reynolds & Reynolds Company, The, assignee: See—
Smith, Robert B.
- Rhea, Claude W., Sligo, Pa. Hinged pole construction. 2,629,465, Feb. 24.
- Rice, Curtis D., Kalamazoo, Mich. Dividing wheel having movable blades for pinching off portions of relatively advancing ribbon of dough or the like. 2,629,341, Feb. 24.
- Richter, George A., and R. H. MacClaren, assignors to Eastman Kodak Company, Rochester, N. Y. Method of making paper. 2,629,295, Feb. 24.
- Rifkin, Michael, Lyndhurst, N. J. Window construction. 2,629,142, Feb. 24.
- Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of phase distortion. 2,629,772, Feb. 24.
- Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of phase distortion. 2,629,782, Feb. 24.
- Rnark, Leon S., Shreveport, La., assignor of twenty-five per cent to C. Kinard, twenty-five per cent to D. Hawkins, and twenty-five per cent to L. Puryear, all of El Dorado, Ark. Oxygen acetylene hose reel. 2,629,630, Feb. 24.
- Roat, Henry, assignee: See—
Mencel, Guy.
- Robertson, Andrew, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Short stop xanthation. 2,629,714, Feb. 24.
- Robertson, Andrew, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xanthation process. 2,629,715, Feb. 24.
- Robey, Wesley M., Jr., Arlington, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Electric car squeeze. 2,629,337, Feb. 24.
- Robinson, Albert P., Seattle, Wash. Surface finishing machine. 2,629,210, Feb. 24.
- Robinson, Herbert T.: See—
Kessel, Robert E., and Robinson.
- Rorkola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Shuffleboard pin. 2,629,601, Feb. 24.
- Rock-Ola Manufacturing Corporation, assignee: See—
Rorkola, David C.
- Rocky Mountain Arms Equipment Co., Inc., assignee: See—
Merritt, Donald R.
- Roethel Engineering Corporation, assignee: See—
Roethel, John H.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,629,618, Feb. 24.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Latch bolt keeper. 2,629,620, Feb. 24.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Latch bolt keeper. 2,629,621, Feb. 24.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Latch bolt keeper. 2,629,622, Feb. 24.
- Rolfson, Stanley T.: See—
Weisblatt, David I., Hanze, Magerlein, Myers and Rolfson.
- Weisblatt, David I., Hanze, Magerlein, Myers, Rolfson, and Hanze.
- Rolla-Royce Limited, assignee: See—
Andrews, Walter A.
- Romano, Aniello A.: See—
Nielsen, Axel T., and Romano.
- Rook, William A., York Mills, Ontario, Canada, assignor to The H. W. Gossard Co., Chicago, Ill. Foundation garment. 2,629,098, Feb. 24.

Rose, Howard E., Peninsula, Ohio, F. M. MacDougall, Kirkwood, and R. W. Schoen, Ferguson, assignors to Alcu Valve Company, University City, Mo. Deep well pump. 2,629,329, Feb. 24.

Rose, Irvin B., Dayton, Ohio, assignor, by mesne assignments, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Brushing mechanism. 2,629,343, Feb. 24.

Rosenberg, Albert, of Michael, Baltimore, Md. Railroad spike and retainer for the same. 2,629,357, Feb. 24.

Rosenthal, Harry, assignee: See—
Shaw, James, and Faus.

Rosenthal, Samuel, Cleveland, Ohio. Pressing machine. 2,629,324, Feb. 24.

Rosenthal, Sidney N., New York, N. Y. Ink supply means for felt nibbed pens. 2,629,359, Feb. 24.

Rosenzweig, Sam, and W. M. Fuchs, New York, N. Y., said Fuchs assignor to said Rosenzweig. Liquid metal amino sulfa compounds. 2,629,682, Feb. 24.

Rothlisberger, Alvin C.: See—
Uraneck, Carl A., and Rothlisberger.

Roubek, Albert, New York, N. Y. Adjustable luggage carrier. 2,629,607, Feb. 24.

Ruben, Samuel, New Rochelle, N. Y. Electric current producing cell and electrolyte therefor. 2,629,758, Feb. 24.

Rudolph, Jacob P., North Arlington, N. J., assignor to Air Reduction Company, Incorporated. Valve. 2,629,570, Feb. 24.

Ruetenik, Howard J., Orwell, Ohio. Vegetable digger. 2,629,210, Feb. 24.

Runkle, Harry F., Kansas City, Kans. Combination minnow bucket and trap. 2,629,201, Feb. 24.

Rusconi, Theodore C., Sanger, Calif. Hydraulic control system. 2,629,306, Feb. 24.

Russell, F. C. Company, The, assignee: See—
Parson, Leroy V.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Slide delivery rake. 2,629,223, Feb. 24.

Rust, John D., Pine Bluff, Ark. Cotton stripping comb. 2,629,227, Feb. 24.

Ryan, Rhys E., New York, N. Y., and W. J. McNamara, Perth Amboy, N. J., assignors to M. H. Treadwell Company, Inc., New York, N. Y. Casting wheel. 2,629,151, Feb. 24.

S. A. F. F. A. Societa Anonima Fabbriche Plasmiferi ed Affini, assignee: See—
Molla, Pietro.

Safeway Stores, Incorporated, assignee: See—
Sneed, Robert C., and Jordan.

St. John, Vincent J., Brecksville, Ohio. Carbon paper holder. 2,629,612, Feb. 24.

Salzer, Erwin, Brookline, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cross air blast circuit breaker. 2,629,798, Feb. 24.

Sarlioni Company, Inc., assignee: See—
Curioni, Aldo R.

Savolainen, Unto P.: See—
Ottmar, Jerome, Matteson, Savolainen, and Chace.

Savolainen, Unto U., assignor to Metals & Controls Corporation, Attleboro, Mass. Pressure receptacle and closure therefor. 2,629,514, Feb. 24.

Sawyer, Thomas H., assignor to The Ohio Brass Company, Mansfield, Ohio. Method and means of measuring current collector wear. 2,629,862, Feb. 24.

Schaar, Livingston V., Lake Orion, Mich. Food cooking apparatus. 2,629,315, Feb. 24.

Schaefer, John V., Bronson, Mich. Fishing reel. 2,629,565, Feb. 24.

Scharf, Arthur: See—
Conklin, Robert M., and Scharf.

Schechter, William H., Lawrence, Kans., and E. D. Osgood, Washington, D. C. Porous anhydrous lithium hydroxide granules. 2,629,652, Feb. 24.

Schechter, William H., Zellenople, assignor, by mesne assignments, to Gallery Chemical Company, Pittsburgh, Pa. Ammonia-methyl borate compound. 2,629,732, Feb. 24.

Schenewolf, Alfred E., Clinton, Okla. Coupling for uniting a farming implement to a traction vehicle. 2,629,305, Feb. 24.

Schlage, Ernest L., Burlingame, Calif. assignor to Schlage Lock Company. Door lock. 2,629,250, Feb. 24.

Schlage Lock Company, assignee: See—
Conklin, Robert M., and Scharf.

Schlage, Ernest L.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of halo-bicycloalkyl aromatic compounds. 2,629,740, Feb. 24.

Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Voltage regulator system for high and low voltage regulation. 2,629,835, Feb. 24.

Schoen, Roger W.: See—
Rose, Howard E., MacDougall, and Schoen.

Scholl, William T., Evansville, Ind. Paint burning and scraping device. 2,629,433, Feb. 24.

Schooley, Allen H., Washington, D. C. Range aperturing device. 2,629,807, Feb. 24.

Schuck, Warren S., and B. D. Hendrickson, Los Angeles, Calif., said Schuck assignor to said Hendrickson. Implement to facilitate manifolding. 2,629,813, Feb. 24.

Schultz, Charles F., Cleveland, and I. Herbrun, Cleveland Heights, Ohio. Replacement stem for faucets and the like. 2,629,580, Feb. 24.

Schultz, Alfred W., assignor to Clearing Machine Corporation, Chicago, Ill. Inclined press. 2,629,318, Feb. 24.

Schumann, Joseph M., Inglewood, assignor of twenty-five percent to Alta Engineering Company, Santa Monica, Calif. Safety door latch. 2,629,246, Feb. 24.

Schurman, Jack V.: See—
Gilbert, Everett E., and Schurman.

Schwalberg, Abraham, Brooklyn, N. Y. Key retainer. 2,629,251, Feb. 24.

Schweikert, Edward W., New York, N. Y. Sanitary underwear liner. 2,629,380, Feb. 24.

Schwelzer, Walter, Horgen, Switzerland, assignor to Maschinenfabrik Schwelzer A. G. Cop supplying mechanism. 2,629,483, Feb. 24.

Schwerin, Paul, White Plains, assignor to Schwerin Research Corporation, New York, N. Y. Audience response indicating system. 2,629,645, Feb. 24.

Schwerin Research Corporation, assignee: See—
Schwerin, Paul.

Science Associates Inc., assignee: See—
Rath, Stephen.

Scott & Williams, Incorporated, assignee: See—
McVey, Clarence H.

Scott, William R., Greene, N. Y. Automatic lead seal casting machine. 2,629,150, Feb. 24.

Scovill Manufacturing Company, assignee: See—
Vellieux, Lewis J.

Searle, G. D., & Co., assignee: See—
Cucic, John W.

Krimmel, Carl P.

Sears, Raymond W.: See—
Anderson, Alva E., and Sears.

See, Daniel M., South Norwalk, Conn. Lipslick case. 2,629,488, Feb. 24.

Seevers, John F., New Alaca, Ind. Heater for asphalt and tars. 2,629,360, Feb. 24.

Seldel, Gerald S., Norristown, Pa. Automatic turntable for model railways. 2,629,336, Feb. 24.

Serve, Inc., assignee: See—
Miller, Charles A., Dreier, and Glichrat.

Servo Corporation of America, assignee: See—
Bailey, Samuel J.

Shallcross, Arthur F., Rockford, Ill. Pivoted hand tool for bending heavy wires. 2,629,275, Feb. 24.

Shaw, James M., and L. I. Faus, assignors to H. Rosenthal, Chicago, Ill. Automatic paper-cutting machine. 2,629,440, Feb. 24.

Shell Development Company, assignee: See—
Barton, Robert C., Bergstrom, and Plantfeber.

Harman, Denham.

Matthews, John B., Evans, Carawell, and Hutton.

Olney, Richard B.

Peterson, Walter H.

Wachter, Aaron, and Stillman.

Woods, Harold A., and Edgar.

Sherman, Earl H., Oakland, Calif. Door holder. 2,629,617, Feb. 24.

Sheritt Gordon Mines Limited, assignee: See—
MacKay, Robert G., and McLaughlin.

Sherwen, Joseph W., Erith, assignor to The General Electric Company, Limited, London, England. Vibrating conveyor. 2,629,485, Feb. 24.

Shjentuk, Pete, Vancouver, British Columbia, Canada. Fruit quartering device. 2,629,168, Feb. 24.

Shultz, John F.: See—
Anderson, Robert R., and Shultz.

Sider, Nicholas M.: See—
Kells, Benjamin F., and Sider.

Sillars, George S., Beverly, and W. B. Hall, Needham, assignors to Houghton-Sprague Corporation, Lynn, Mass. Mechanism for creasing box blank material. 2,629,298, Feb. 24.

Silva, Guy H., San Diego, Calif. Salt water still. 2,629,687, Feb. 24.

Simmons Company, assignee: See—
Korney, Roman F.

Simon, Henry, Brooklyn, N. Y. Supplementary letter device for typewriters. 2,629,478, Feb. 24.

Slade, Bernard N.: See—
Nelson, Herbert, and Slade.

Sladky, Joseph F.: See—
Wahlberg, Nils E., and Sladky.

Sloan, Frederick J., Charleston, W. Va. Automatic hydraulic safety valve. 2,629,398, Feb. 24.

Stobin, David N., Brooklyn, N. Y. Caulking gun with attaching means for replaceable carton. 2,629,517, Feb. 24.

Sloofman, Alvin B.: See—
Moore, Albert B., and Sloofman.

Smale, Stanley W., Toledo, Ohio. Magnetic sweeper. 2,629,495, Feb. 24.

Smith, Dallas M., Kirkwood, Mo. Piston ring. 2,629,641, Feb. 24.

Smith, Frank R., and L. E. Willett, assignors to Chamberlain Company of America, Detroit, Mich. Weather strip seal for door bottoms. 2,629,147, Feb. 24.

Smith, Horace L., Jr., and J. G. Miller, Richmond, Va., assignors to Louisiana Tung Corporation, Covington, La. Hulling tung fruit and the like. 2,629,418, Feb. 24.

Smith, John P., Weymouth, Mass. Marine harvester with conveyor. 2,629,218, Feb. 24.

Smith-Petersen, Nils O., Yonkers, N. Y., and W. A. Pat-schelder, Norfolk, and H. G. Labort, Milton, Mass., assignors to Walworth Company, New York, N. Y. Adjustable outer jaw pipe wrench of the fixed housing type. 2,629,279, Feb. 24.

Smith, Robert B., assignor to The Reynolds & Reynolds Company, Dayton, Ohio. Sheet counting and tab inserting device. 2,629,300, Feb. 24.

Smith, Walter H., Toronto, Ontario, Canada, by M. A. Johnston, administratrix, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada. Apparatus for making lithograph blankets. 2,629,324, Feb. 24.

Smith, Walter H., deceased; M. A. Johnston, administratrix, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada. Collating machine. 2,629,590, Feb. 24.

Smith, Warren H.: See—
Koclan, John J., and Smith.

Smithson, Gordon W.: See—
Makant, Joseph E., Smithson, and Wunschel.

Sneed, Robert C., Piedmont, and C. S. Jordan, Glendale, assignors to Safeway Stores, Incorporated, Oakland, Calif. Egg handling machine. 2,629,470, Feb. 24.

Sneath, Hans J., Vancouver, British Columbia, Canada. Artificial hand. 2,629,106, Feb. 24.

Snyder, Harry L., Jr., Detroit, Mich. Composition for textile finishing. 2,629,702, Feb. 24.

Snyder, Jacob R., Cleveland, Ohio. Air-brake apparatus. 2,629,638, Feb. 24.

Snyder, James, Belmar, N. J., assignor to United States of America as represented by the Secretary of the Army. Recirculating delay system. 2,629,820, Feb. 24.

Societe d'Etudes et d'Applications Techniques S. E. D. A. T., assignee: See—
Gallice, Pierre, and P. and L. Nogler.

Societe Industrielle pour la Rayonne "S. I. P. R. A.", assignee: See—
Abbe, Marius.

Socony-Vacuum Oil Company, Incorporated, assignee: See—
Denton, William J., and Bishop.

Solo Products Corporation, assignee: See—
Feyrer, William F.

Soop, Earl F.: See—
Langdon, William K., and Soop.

Sorg Paper Company, The, assignee: See—
Loeser, Donald B.

Sparks, Morgan, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of making semiconductive translating devices. 2,629,072, Feb. 24.

Specialties Development Corporation, assignee: See—
Helfer, Edward J.

Spector, Sam, Shaker Heights, and G. J. Teplanaski, Lakewood, assignors to Tilt-Type Products, Inc., Cleveland, Ohio. Storm window. 2,629,143, Feb. 24.

Speler, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilyl alcohols. 2,629,727, Feb. 23.

Sperry Corporation, The, assignee: See—
Hunter, Paul B.

Sperry Products, Inc., assignee: See—
Hooper, William K.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,629,190, Feb. 24.

Sport Products, Inc., assignee: See—
Goldsmith, Hugo.

Sproule, Donald O., London, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Vibration transmitting system. 2,629,770, Feb. 24.

Sprung, Joseph A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Silver halide emulsions containing nondiffusing azo dyes. 2,629,658, Feb. 24.

Stadthaus, Kurt R.: See—
Wilcox, Thomas N., Gale, and Stadthaus.

Standard Conveyor Company, assignee: See—
Eggleston, Ira S., and Boller.

Standard Oil Company, assignee: See—
Liebe, Hubert J.

Standard Oil Development Company, assignee: See—
Barr, Frank T.

Cottle, Delmer L., and Young.

Fugua, Mack C.

Lifson, William E., and Morris.

Morway, Arnold J., and Young.

Standard Pattern Works, assignee: See—
Miller, Clarence H.

Standard Plastics Company, Inc., assignee: See—
Nerney, George E.

Stanin, Theodore E., H. W. Coover, and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Process for preparing polymers of acrylonitrile. 2,629,711, Feb. 24.

Stanin, Theodore E., H. W. Coover, and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Process for preparing polymers of acrylonitrile. 2,629,712, Feb. 24.

Staples, Otis E., Euclid, and A. J. Bent, Willoughby, assignor to The Cleveland Hobbling Machine Company, Cleveland, Ohio. Hobbling machine. 2,629,290, Feb. 24.

Staples, Otis E., assignor to The Cleveland Hobbling Machine Company, Euclid, Ohio. Machine tool. 2,629,291, Feb. 24.

Stark, Frank L., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Method of killing weeds. 2,629,655, Feb. 24.

Starnes, Peter E.: See—
Laing, John W., and Starnes.

Stegemann, Walter, assignor to Phoenix-Gummilwerke A. G., Hamburg-Harburg, Germany. Method and device for applying rubber coatings to fabric bands. 2,629,424, Feb. 24.

Stein, Frank R., assignee: See—
Stein, Harry C.

Stein, Hall & Company, Inc., assignee: See—
Moore, Edward E.

Stein, Harry C., Yonkers, N. Y., assignor of one-fifth to L. J. Stein, Houston, Tex., one-fifth to S. M. Stein, New Orleans, La., one-fifth to M. Stein, Jackson Heights, and one-fifth to F. R. Stein, Yonkers, N. Y. Multiple acting heel for shoes. 2,629,189, Feb. 24.

Stein, Leonard J., assignee: See—
Stein, Harry C.

Stein, Melvin, assignee: See—
Stein, Harry C.

Stein, Stanley M., assignee: See—
Stein, Harry C.

Stephenson, John O., and J. H. Hillis, Detroit, Mich.; said Hillis assignor to said Stephenson. Hydraulic lift mechanism. 2,629,582, Feb. 24.

Sterling, Robert F., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cellular expanded thermoset resins. 2,629,698, Feb. 24.

Stern, Max, Venice, and R. A. Alexander, Rosemead, assignors to Tel-Ali Corporation, Los Angeles, Calif. Cash register indicating system. 2,629,863, Feb. 24.

Stern, Russell L., Bell, Calif. Fluid shear type coupling. 2,629,472, Feb. 24.

Stettler, Rudolf, St. Gallen, Switzerland. Registering chamber magazine handle. 2,629,413, Feb. 24.

Stevens, Elbert M., San Antonio, Tex. Fence post extended wire supporting bracket. 2,629,574, Feb. 24.

Stewart-Warner Corporation, assignee: See—
Allen, Arthur C., and Lankky.

Stewart, Warren A., Granby, Mass., assignor to Worthington Corporation, Combined fan and power transmission sheave. 2,629,545, Feb. 24.

Stillman, Nathan: See—
Wachter, Aaron, and Stillman.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Method of producing sheet metal bearings. 2,629,105, Feb. 24.

Stivers, Norman J., Canoga Park, and T. H. Ennis, Burbank, Calif., assignors to Donald F. Duncan, Inc., Chicago, Ill. Tethered aerial top. 2,629,202, Feb. 24.

Stone, John T., Baltimore, Md. Automatic opening and closing tongs. 2,629,627, Feb. 24.

Stoner, Arthur M., and G. S. Haviland, assignors to The Jacobs Manufacturing Company, West Hartford, Conn. Bit brace having a chuck with sliding actuator. 2,629,414, Feb. 24.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Article arranging apparatus. 2,629,481, Feb. 24.

Stroh, Walter J., Franklin Park, and W. S. Druz, Chicago, Ill., assignors to Zenith Radio Corporation. Inter-carrier television receiver. 2,629,709, Feb. 24.

Stron, Ernest: See—
Koch, William H.

Stuck, Harold D., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Process of manufacturing compound cutting machine knives. 2,629,077, Feb. 24.

Sun Rubber Company, The, assignee: See—
Martin, Henry, and Rekettye.

Mollitor, Robert P.

Sunde, Conrad J., Garden City, assignor to N. I. Malmstrom & Company, Brooklyn, N. Y. Sulfurized fatty and waxy materials. 2,629,721, Feb. 24.

Sunkist Growers, Inc., assignee: See—
Hull, Robert R.

Sutherland, Howell Durban, Natal, Union of South Africa, assignor to J. Lyons & Company Limited, London, England. Apparatus for winnowing tea. 2,629,491, Feb. 24.

Sutherland Paper Company, assignee: See—
Ulrich, Fred J.

Sutphin, William H., assignee: See—
Hansen, Roy R.

Svabek, John E., Jr.: See—
Preislinger, Carl M., and Svabek.

Swanson, Norman C., Chetek, Wis. Intake pipe. 2,629,334, Feb. 24.

Sweetman, William G., Houston, Tex. Jet type perforating mill. 2,629,325, Feb. 24.

Sylvania Electric Products Inc., assignee: See—
Pifer, Marion J.

Wiley, Verla H.

Syracuse University, assignee: See—
Walta, Betty M., and Moss.

Tackett & Tripp, Inc., assignee: See—
Tripp, Dwight E.
Taylor, James E., New York, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Electrical rate generator. 2,629,859, Feb. 24.
Taylor, Victor E., Nampa, Idaho, assignor of ten per cent to J. A. Brown, Bellingame, Calif., and ten per cent to A. H. Whitlatch, Nampa, Idaho. Automatic vehicle operated gate. 2,629,192, Feb. 24.
Technicolor Motion Picture Corporation, assignee: See—
Geer, Charles W.
Tel-Ali Corporation, assignee: See—
Stern, Max, and Alexander.
Tener, Graydon H., Edgeworth, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Repeater for rolling mills. 2,629,273, Feb. 24.
Tennant, Richard T.: See—
Johnson, Lloyd F., and Tennant.
Teplanaski, George J.: See—
Spector, Sam, and Teplanaski.
Terry, Victor J., J. D. Holland, and I. R. J. James, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Telegraph receiver. 2,629,776, Feb. 24.
Thelander, Adolph F., Grosse Pointe, Mich., assignor to National Steel Corporation, Building construction. 2,629,139, Feb. 24.
Therma Fabrik für elektrische Heizung A. G., assignee: See—
Dietler, Hans.
Thompson, Robert D., S. W. Alderfer, and A. Bonabard, assignors to Andrews-Alderfer Company, Akron, Ohio. Artificial leather. 2,629,678, Feb. 24.
Thomson, James, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Conveyor. 2,629,484, Feb. 24.
Threpton, Clay L., Atlanta, Ga. Suit hanger carrier. 2,629,529, Feb. 24.
Thurber Corporation, The, assignee: See—
Thurber, Edward J.
Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Torque converter. 2,629,266, Feb. 24.
Tierney, Edward M., Washington, D. C. Razor blade edge straightener. 2,629,211, Feb. 24.
Tignor, Henry G., Richmond, Va. Apparatus for conditioning air. 2,629,587, Feb. 24.
Tillery, Hubert H.: See—
Cumming, George T.
Tillery, Luther D.: See—
Cumming, George T.
Tillinghast, Ray C., assignor to National Cotton Compress and Cotton Warehouse Association, Memphis, Tenn. Automatic reeler for cotton compress machines. 2,629,316, Feb. 24.
Tilt-Type Products, Inc., assignee: See—
Spector, Sam, and Teplanaski.
Tittsworth, Arthur F., Union City, Tenn. Awning construction. 2,629,146, Feb. 24.
Toadvine, Norman F., Salisbury, Md. Poultry waterer regulating valve. 2,629,396, Feb. 24.
Toadvine, Norman F., Salisbury, Md. Automatic water valve. 2,629,397, Feb. 24.
Toadvine, Norman F., Salisbury, Md. Automatic water valve. 2,629,581, Feb. 24.
Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Replacement roll accelerating mechanism for web splicing device. 2,629,502, Feb. 24.
Tompkins, John: See—
Lied, Edgar H., and Tompkins.
Tooker, Howard A., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency selective amplifier. 2,629,785, Feb. 24.
Townsend, Mark A., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant voltage glow discharge control device. 2,629,842, Feb. 24.
Tracerlab, Inc., assignee: See—
Archley, Dana W., Jr.
Trendicator Systems Co., assignee: See—
Johnson, Claude W.
Trent, Robert L., Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor trigger circuits. 2,629,833, Feb. 24.
Trent, Robert L., Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gate and trigger circuits employing transistors. 2,629,834, Feb. 24.
Tripp, Dwight E., assignor to Tackett & Tripp, Inc., Tyler, Tex. Hydraulic transmission. 2,629,332, Feb. 24.
Triumph Dishwashers Limited, assignee: See—
Hummel, Frederick S.
Truchon, Joseph A., Sr., Stratford, Conn. Hand line guide. 2,629,583, Feb. 24.
Tupper, Gordon W., and O. N. Mertz, Rochester, Minn. Ladder construction. 2,629,532, Feb. 24.
Turner, Dell R., assignor to M. J. Wiskko, Cleveland, Ohio. Refrigerated table for microtomes. 2,629,230, Feb. 24.
Tuttle, Clifton M., Huntington Station, and R. E. Klaus, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for processing film. 2,629,304, Feb. 24.
Ulrich, Fred J., assignor to Sutherland Paper Company, Kalamazoo, Mich. Tray or carton. 2,629,535, Feb. 24.
Ullmschneider, Lawrence A., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for sealing wrapping material. 2,629,808, Feb. 24.
Union Carbide and Carbon Corporation, assignee: See—
Duggan, James J.
Kennedy, Harry E.
Union Totalisator Company Limited, The, assignee: See—
Handley, John.
United Aircraft Corporation, assignee: See—
Alex, Ralph P.
United Engineering & Foundry Company, assignee: See—
Tener, Graydon H.
United Shoe Machinery Corporation, assignee: See—
Hay, Dana P.
Paulsen, Hans C.
Quinn, Edward, and Hersey.
United States Atomic Energy Commission, United States of America as represented by the, assignee: See—
Benade, James M., Goodale, and Jesse.
Hammond, R. Phillip, and Leary.
Olden, Roger G.
U. S. Silicag Machine Company, Inc., assignee: See—
Klingens, Cornells.
Universal Manufacturing Corp., assignee: See—
Moyer, Oscar E.
Universal Oil Products Company, assignee: See—
Gantt, James E.
Haensel, Vladimir.
Leffer, Frederick W.
Schmerling, Louis.
Upjohn Company, The, assignee: See—
Erick, Walter P.
Welsblat, David I., Hanze, Magerlein, Myers, and Rolfsen.
Welsblat, David I., Magerlein, Myers, Rolfsen, and Hanze.
Uranek, Carl A., Borger, Tex., and H. J. Goertz, Bartlesville, Okla., assignors to Phillips Petroleum Company. Emulsion polymerization of vinylidene compounds in the presence of hydrazine-polyamine-carbamate compositions. 2,629,708, Feb. 24.
Uranek, Carl A., and A. C. Rothlisberger, Borger, Tex., assignors to Phillips Petroleum Company. Emulsion polymerization of vinylidene compounds in the presence of carbamates of polyamines. 2,629,709, Feb. 24.
Vallancourt, Elmer J., Easton, Pa. Insect repellent attachment for screen doors. 2,629,628, Feb. 24.
Valentine, Jesse A., Detroit, Mich. Dispensing device. 2,629,614, Feb. 24.
Valvano, Ralph A., Los Angeles, Calif. Stud bolt wrench. 2,629,277, Feb. 24.
Van Lahr, Leo E., Cincinnati, Ohio. Coin collection display device. 2,629,546, Feb. 24.
Van Mierlo, Stanislas: See—
Deloraine, Edmond M., Van Mierlo, and Derjavitch.
Van Vooren, Fred A., Moline, Ill. Water cooling and saving arrangement for electrical welders. 2,629,804, Feb. 24.
Vapor Heating Corporation, assignee: See—
Gillick, Laurence H., and Lehane.
Varady, Louis, Fords, N. J. Rotating electrical broiler. 2,629,314, Feb. 24.
Vargo, Frank J., assignor to Alco Valve Company, Untravelt City, Mo. Solenoid operated actuator. 2,629,766, Feb. 24.
Venley, William D., Ephrata, Wash. Clothes hanger support for automobiles. 2,629,528, Feb. 24.
Vellieux, Lewis J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tool for removing rivets and burrs. 2,629,442, Feb. 24.
Velan, Adolf K., Montreal, Quebec, Canada. Universal steam trap. 2,629,553, Feb. 24.
Venedam, Joseph A.: See—
Quimby, Arthur G., and Venedam.
Verbanc, John J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of plasticizing rubber. 2,629,755, Feb. 24.
Vickers-Armstrongs Limited, assignee: See—
Polson, Reginald A.
Vilster, Ernest F., Milwaukee, Wis. Sight gauge glass. 2,629,262, Feb. 24.
Vincent "H. R. D." Company Limited, assignee: See—
Vincent, Phillip C.
Vincent, Phillip C., assignor to Vincent "H. R. D." Company Limited, Stevenage, England. Friction clutch. 2,629,473, Feb. 24.
Vogelsang, George K., La Matt, Pa., assignor to The Borden Company, New York, N. Y. Resinous composition comprising phenol-aldehyde and ketone-aldehyde condensation products. 2,629,703, Feb. 24.
Wachter, Aaron, Oakland, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Vapor-phase corrosion inhibitor. 2,629,649, Feb. 24.
Wagner Electric Corporation, assignee: See—
Freeman, Walter R.
Wahlberg, Nils E., Chicago, Ill., and J. F. Sladky, Plymouth, Mich., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Overdrive kickdown control means. 2,629,454, Feb. 24.
Walker, Frank G., Santa Barbara, Calif. Dishwashing machine. 2,629,390, Feb. 24.

Walkiet, Mercer D., Akron, Ohio. Toy wheel and method of making. 2,629,420, Feb. 24.
Wallin, Francis T., Brookline, Mass. Chest respirator. 2,629,372, Feb. 24.
Walnut Creek Canning Co., assignee: See—
Davis, Hamilton C.
Walworth Company, assignee: See—
Milligan, Wilbur E.
Smith-Petersen, Nils O., Patscheider, and Lambert.
Warner Brothers Company, The, assignee: See—
Phillips, Stanley H.
Warren, Clifford A.: See—
Hall, Nathan I., and Warren.
Warren, John A.: See—
Jensen, Leif E., and Warren.
Warrick, Frederick P., Detroit, Mich. Shutterless recording oscillographic camera. 2,629,646, Feb. 24.
Warshaw, Howard D., Drezel Hill, Pa., assignor to the United States of America as represented by the Secretary of the Army. Mounting for pressure responsive device. 2,629,801, Feb. 24.
Watta, Betty M., Fayetteville, N. Y., and H. V. Moss, Anniston, Ala., assignors to Syracuse University, Syracuse, N. Y. Stabilized aqueous fatty compositions. 2,629,664, Feb. 24.
Weeks, Harold J., Dayton, Ohio. Valve timer. 2,629,437, Feb. 24.
Welland, John N., Cleveland, Ohio. Clutch mechanism. 2,629,470, Feb. 24.
Welland, John N., Cleveland, Ohio. Fluid pressure and screw operated coupling. 2,629,474, Feb. 24.
Welsatock, Adolphe: See—
Kamens, Irving, and Welsatock.
Welsblat, David I., B. J. Magerlein, D. R. Myers, S. T. Rolfsen, and A. R. Hanze, assignors to The Upjohn Company, Kalamazoo, Mich. N-oxalkyl-p-aminobenzoates. 2,629,733, Feb. 24.
Welsblat, David I., A. R. Hanze, B. J. Magerlein, D. R. Myers, and S. T. Rolfsen, assignors to The Upjohn Company, Kalamazoo, Mich. N-oxalkyl-p-aminobenzoyl glutamates. 2,629,734, Feb. 24.
Wells, Herbert G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Voltage control system. 2,629,840, Feb. 24.
Wells, Leland E., Cleveland Heights, and R. M. Roney, Euclid, assignors to Willard Storage Battery Company, Cleveland, Ohio. Hinged multicell cover. 2,629,760, Feb. 24.
Welsh, Herbert F.: See—
Eckert, John P., Jr., and Welsh.
Welschenbach, Charles D., assignor to The Hilde & Dauch Paper Company, Sandusky, Ohio. Golf club shipping and display receptacle. 2,629,499, Feb. 24.
Wenger, Lee, Morrill, Kans. Lister. 2,629,351, Feb. 24.
Werberger, Rudolph, assignee: See—
Davidson, Vernon F.
Westby, Lloyd R., Berwyn, Ill. Bobby pin box. 2,629,389, Feb. 24.
Western Electric Company, Incorporated, assignee: See—
Tooker, Howard A.
"Western Engineering Trust," assignee, as trustee: See—
Nardulli, Michael J.
Westinghouse Electric Corporation, assignee: See—
Barnes, Randall P.
Charlton, Thomas.
Eames, William F., and Esselman.
Grandmont, Paul E.
Graybrook, Herbert W., and Ames.
Hagopian, Richard H.
Harder, Edwin L., and Bradley.
McLane, Fletcher E.
Montgomery, James P., and Hunt, Jr.
Pabst, Richard E.
Ponstingl, John C.
Sterling, Robert F.
Whallon, Curtis, Richmond Heights, assignor to Meier and Pohlmann Furniture Company, St. Louis, Mo. Extension table stabilizer. 2,629,642, Feb. 24.
Wheaton Brass Works, assignee: See—
Krone, Howard C., and Meyer.
Wheel Truening Tool Company, assignee: See—
Bruce, Stanford P.
Wheeler, Stanley M.: See—
Gruppen, James L., and Wheeler.
Whipple, George H.: See—
Morningstar, Ralph E., and Whipple.
White, Harold C., Cranford, N. J. Pump. 2,629,326, Feb. 24.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping web detector. 2,629,407, Feb. 24.
Whiting, Floyd E., Woodstock, Ill. Power boat steering and control means. 2,629,356, Feb. 24.
Whitlatch, A. H., assignee: See—
Taylor, Victor E.
Whitman, Stephen F., & Son, Inc., assignee: See—
Rose, Irvin B.
Wickey, Harold A., Mission, Kans. Invalid handling apparatus. 2,629,108, Feb. 24.
Wiggins, Glenn C., assignor to The Dow Chemical Company, Midland, Mich. Hydrogenated 1,1,3-trimethyl-3-phenyl indane. 2,629,751, Feb. 24.
Wiley, Verlis H., Kenmore, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Automobile radio cabinet with cover contact clips. 2,629,764, Feb. 24.
Wilkins, Richard A., and G. C. Mutch, assignors to Revere Copper and Brass Incorporated, Romer, N. Y. Apparatus for smelting glauciferous material comprising an electric furnace. 2,629,756, Feb. 24.
Willard Storage Battery Company, assignee: See—
Wells, Leland E., and Roney.
Willcox, Thomas N., Nutley, N. J., M. E. Gale, and K. R. Stadthaus, Pittsford, Mass., assignors to General Electric Company. Molding apparatus. 2,629,132, Feb. 24.
Willett, Leon E.: See—
Smith, Frank R., and Willett.
Williams, Frederick R., Brightlingsea, England. Atomizer head. 2,629,631, Feb. 24.
Williams, John E., Linwood, N. J. Electronic voltage regulator. 2,629,854, Feb. 24.
Williams, Lloyd F., Anaheim, Calif. Feeder for fruit processing machines. 2,629,480, Feb. 24.
Wilson, Harry R., Waterloo, Iowa. Wheeled golf bag. 2,629,609, Feb. 24.
Winona Tool Manufacturing Company, assignee: See—
Fugle, Elmer A.
Wittrien, Herbert P., Glendale, N. Y. Heat protector roof construction for vehicles. 2,629,347, Feb. 24.
Wolf, Edward, Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Friction taxi lock for airplane cross-wind main landing wheels. 2,629,571, Feb. 24.
Wolfe, Kenneth B., Willoughby, Ohio. Artificial breathing machine. 2,629,227, Feb. 24.
Wood, Carlos C.: See—
Crosbere, Austin B., Jr., Kleinhans, and Wood.
Wood, Frank J., New Rochelle, assignor to E. Loewy, New York, N. Y. Rolling mill control. 2,629,272, Feb. 24.
Wood Newspaper Machinery Corporation, assignee: See—
Tollison, Paul L.
Woodall, Carl, South Gate, Calif. Artificial limb. 2,629,105, Feb. 24.
Woodbrad, Frank, Collingdale, Pa. Safety fishhook holder. 2,629,200, Feb. 24.
Woods, Harold A., and J. A. Edgar, Martinez, assignors to Shell Development Company, San Francisco, Calif. Grease composition. 2,629,694, Feb. 24.
Worthington Corporation, assignee: See—
Stewart, Warren A.
Wright, Donald W., Rosemeade, Calif. Hose nozzle. 2,629,633, Feb. 24.
Wunschel, Kenneth R.: See—
Makant, Joseph E., Smithson, and Wunschel.
Wyandotte Chemicals Corporation, assignee: See—
Lanndon, William K., and Soop.
Yaffe, David W., Philadelphia, Pa. Deodorizing device. 2,629,149, Feb. 24.
Yelser, Andrew S.: See—
Landgren, Harold P., Fong, and Yelser.
Young, David W.: See—
Cottle, Delmer L., and Young.
Morway, Arnold J., and Young.
Zenith Radio Corporation, assignee: See—
Cotsworth, Albert, III.
Stroh, Walter J., and Druz.
Ziller, Verne M., Crescent City, Calif. Sun-stop visor attachment. 2,629,626, Feb. 24.
Zinken, Louis N., St. Cloud, Minn. Mason's trig line holder. 2,629,177, Feb. 24.
Zinken, Louis N., St. Paul, Minn. Guideline holder. 2,629,178, Feb. 24.
Zobel, Theodor W., Dayton, Ohio. Interference Schlieren apparatus of unusually large dimensions, having means for improving the interference quality by selective one point deformation of the reflecting elements of the device. 2,629,283, Feb. 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1953.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Foldable closure. M. J. Planeaux. Re. 23,622, Feb. 24.
Musical instrument construction. G. A. Flinder. Re. 23,620, Feb. 24.
Peg-fastened button. A. E. Sutlin. Re. 23,624, Feb. 24.
Preselective transmission control for automotive vehicles. G. T. Randol. Re. 23,623, Feb. 24.
Sleeve supported electrode for well logging. A. B. Hildebrandt. Re. 23,621, Feb. 24.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. S. Boerner. 1,171, Feb. 24.
Orange tree. B. V. Johnson. 1,170, Feb. 24.

LIST OF DESIGN INVENTIONS

Aerial amusement ride car or similar article. E. L. Reedy. 168,910, Feb. 24.
Animated television ash tray novelty. E. B. Bellett. 168,880, Feb. 24.
Applique or the like. R. G. Williams. 168,919, Feb. 24.
Ash tray. B. Blecher. 168,881-2, Feb. 24.
Automobile seat. J. H. Lang. 168,897-8, Feb. 24.
Bottle. P. Fischer. 168,885, Feb. 24.
Box or similar article. A. R. Botham. 168,883, Feb. 24.
Canopy. J. E. Jones. 168,895-6, Feb. 24.
Carboy. H. H. Gardner and F. G. Towle. 168,889, Feb. 24.
Chafing dish. D. C. O'Connell. 168,903, Feb. 24.
China stand. A. Chicorel. 168,884, Feb. 24.
Coat hanger and brush, Combined. W. B. Schaefer. 168,912, Feb. 24.
Contactor for toilettries or the like. L. Lewis and L. Richter. 168,899, Feb. 24.
Control and indicator knob. S. G. Mundt. 168,902, Feb. 24.
Doll, Powder dispensing. M. Adams. 168,876, Feb. 24.
Egg extractor. H. Becker. 168,879, Feb. 24.
Electric range. F. M. Gustafson. 168,893, Feb. 24.
Furnace or the like, Child's sleeping. R. T. Friedman. 168,887, Feb. 24.
Grinder, Portable. W. R. Maclay. 168,901, Feb. 24.
Hairbrush or similar article. A. B. Snyder. 168,913-17, Feb. 24.
Handbag. R. Goldberg. 168,891, Feb. 24.
Hat. E. Wittcoff. 168,920, Feb. 24.
Laboratory specimen press. G. W. Graves. 168,892, Feb. 24.
Pair of spectacles or similar article. E. Rosen. 168,911, Feb. 24.
Paper cutter case. R. C. O'Brien and V. Schreckengost. 168,904, Feb. 24.
Radio cabinet. W. B. Petzold. 168,906-8, Feb. 24.
Rimless metal spectacle front. F. B. Neary. 168,903, Feb. 24.
Rug cushion or similar article. T. Horwich. 168,894, Feb. 24.
Spectacle frame. F. Stoesser. 168,918, Feb. 24.
Spoon or similar article. G. N. Allen and M. P. Fleming. 168,877, Feb. 24.
Spoon or similar article. M. P. Fleming. 168,886, Feb. 24.
Spoon or similar article. W. H. Gerth. 168,890, Feb. 24.
Suit or the like, Child's pram. R. T. Friedman. 168,888, Feb. 24.
Tablecloth. W. Wolf. 168,921, Feb. 24.
Toy water pistol. C. Arliss. 168,878, Feb. 24.
Toy weapon. R. Rastetter. 168,909, Feb. 24.
Wrench, Multiple. S. Lutscher. 168,900, Feb. 24.

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LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF FEBRUARY, 1953

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption refrigeration. C. A. Miller, V. G. Dreler, and W. Gillebrist. 2,629,234, Feb. 24.
Adjustable lamp carrier. D. M. Murphy. 2,629,813, Feb. 24.
Adjustable lift chain for hoists. M. J. Phillips. 2,629,625, Feb. 24.
Adjustable luggage carrier. A. Roubeck. 2,629,607, Feb. 24.
Adjustable outer jaw pipe wrench of the fixed housing type. N. O. Smith-Petersen, W. A. Patacheider, and H. G. Lambert. 2,629,279, Feb. 24.
Adjustable outer jaw pipe wrench of the pivoted housing type. W. E. Milligan. 2,629,280, Feb. 24.
Adjustable resistance device. D. F. Haatunga. 2,629,799, Feb. 24.
Air-brake apparatus. J. R. Snyder. 2,629,638, Feb. 24.
Aircraft distress signal. S. W. Grinnan. 2,629,572, Feb. 24.
Alkyl aryl sulfonate-liquid hydrocarbon-aliphatic hydroxy compound compositions. W. K. Langdon and E. F. Soop. 2,629,697, Feb. 24.
Alley sweep. F. W. Anderson. 2,629,595, Feb. 24.
Aminoalkyl thioxanthene oxides and the production thereof. J. W. Cusic. 2,629,719, Feb. 24.
Ammonia-methyl borate compound. W. H. Schechter. 2,629,732, Feb. 24.
Amplifier, Frequency selective. H. A. Tooker. 2,629,785, Feb. 24.
Animal carrying cart. C. W. Jones. 2,629,808, Feb. 24.
Antiburst tube for pipes. F. Cook. 2,629,402, Feb. 24.
Antifading batha for photographic black-and-white prints. H. C. Harsh. 2,629,660, Feb. 24.
Antifading batha for photographic black and white materials. E. S. Mackey. 2,629,661, Feb. 24.
Antirollback brake for ammunition boosters. C. B. Pearson. 2,629,287, Feb. 24.
Antirollback brake for boosters. L. E. Jensen and J. A. Warren. 2,629,288, Feb. 24.
Apparatus and method of ice-cream bar manufacture. F. M. Johansen. 2,629,346, Feb. 24.
Apparatus for conditioning air. H. G. Tignor. 2,629,587, Feb. 24.
Apparatus for forming electrical strain gauges. W. M. Borer. 2,629,409, Feb. 24.
Apparatus for making banded pressure vessels. C. H. Gay. 2,629,354, Feb. 24.
Apparatus for making lithograph blankets. W. H. Smith. 2,629,324, Feb. 24.
Apparatus for measuring and/or controlling the consistency of a paste or slurry. J. W. Laing and P. E. Starnes. 2,629,790, Feb. 24.
Apparatus for packing articles on a standard. H. J. Barnhard. 2,629,530, Feb. 24.
Apparatus for preserving meat. R. C. Graves. 2,629,311, Feb. 24.
Apparatus for pressure welding of seams or edges. J. F. Cachat. 2,629,811, Feb. 24.
Apparatus for processing film. C. M. Tuttle and R. E. Klaus. 2,629,304, Feb. 24.
Apparatus for producing articles as by compound rotation of article-forming means. D. G. Rempel. 2,629,130, Feb. 24.
Apparatus for producing protective blinding from flat stock. G. T. Cumming. 2,629,297, Feb. 24.
Apparatus for sealing wrapping material. L. A. Ulmschneider. 2,629,808, Feb. 24.
Apparatus for smelting siliceous material comprising an electric furnace. R. A. Wilkins and G. C. Mitch. 2,629,756, Feb. 24.
Apparatus for the manufacture of hollow cast articles. H. Marlin and P. Rekettye. 2,629,131, Feb. 24.
Apparatus for use in the production of plate gauges or other platelike elements having a predetermined edge contour. G. C. J. Legg and W. C. H. Crook. 2,629,282, Feb. 24.
Apparatus for winnowing tea. H. Sutherland. 2,629,491, Feb. 24.
Applique ornament for fabrics. S. Casha. 2,629,195, Feb. 24.
Apron, Convertible. C. Greenwald. 2,629,101, Feb. 24.
Arcuate roller conveyor for cables. H. A. Bell. 2,629,768, Feb. 24.
Article arranging apparatus. H. E. Stover. 2,629,481, Feb. 24.
Artificial breathing machine. K. B. Wolfe. 2,629,227, Feb. 24.
Artificial hand. H. J. Snethun. 2,629,106, Feb. 24.
Artificial hand locking mechanism. D. B. Becker. 2,629,107, Feb. 24.
Artificial leather. R. D. Thompson, S. W. Alderfer, and A. Bonshard. 2,629,678, Feb. 24.
Artificial limb. C. Woodall. 2,629,105, Feb. 24.
Assembling prefabricated building units in a building construction. V. J. Hultquist. 2,629,138, Feb. 24.
Atomizer head. F. R. Williams. 2,629,631, Feb. 24.
Audience response indicating system. P. Schwerin. 2,629,645, Feb. 24.
Automatic function control mechanism for accounting machines. T. M. Hutler. 2,629,548, Feb. 24.
Automatic gain control circuit. C. E. Ingalla. 2,629,786, Feb. 24.
Automatic hydraulic safety valve. F. J. Sloan. 2,629,398, Feb. 24.
Automatic opening and closing tongs. J. T. Stone. 2,629,627, Feb. 24.
Automatic paper-cutting machine. J. M. Shaw and L. I. Faus. 2,629,440, Feb. 24.
Automatic reeler for cotton compress machines. R. C. Tillinghast. 2,629,316, Feb. 24.
Automatic self-cleaning dishwashing machine of the recirculating type. F. S. Hummel. 2,629,391, Feb. 24.
Automatic turntable for model railways. G. S. Seidel. 2,629,336, Feb. 24.
Automatic vehicle operated gate. V. E. Taylor. 2,629,192, Feb. 24.
Automatic water valve. N. F. Toadvine. 2,629,397, Feb. 24.
Automatic water valve. N. F. Toadvine. 2,629,581, Feb. 24.
Automatic weighing machine. S. J. Bailey. 2,629,490, Feb. 24.
Automobile radio cabinet with cover contact clips. V. H. Wiley. 2,629,764, Feb. 24.
Aviation fuel and preparing same. W. E. Lifson and W. E. Morris. 2,629,685, Feb. 24.
Awning construction. A. F. Tittsworth. 2,629,146, Feb. 24.
Awning, Metal slat. E. G. Moeller. 2,629,144, Feb. 24.
Awning shutter. L. V. Parsson. 2,629,145, Feb. 24.
Bag: See—
Syringe bag. Wheeled golf bag.
Bag dispensing apparatus for bagging machines. C. K. Nelson. 2,629,369, Feb. 24.
Ball valve. H. L. Paul, Jr. 2,629,578-9, Feb. 24.
Band-width reduction system. A. E. Anderson and R. W. Sears. 2,629,771, Feb. 24.
Basically substituted aroybenzanilides and salts thereof. C. P. Krimmel. 2,629,737, Feb. 24.
Basically substituted N-alkyl derivatives of α,β -triarylpropionamides. C. P. Krimmel. 2,629,736, Feb. 24.
Bassinet for automobiles. A. G. Goldberg. 2,629,109, Feb. 24.
Bearing. G. Coszo. 2,629,640, Feb. 24.
Bearing lubricating device. E. K. Johansen. 2,629,639, Feb. 24.
Belt, Expandable. L. H. Easlick. 2,629,104, Feb. 24.
Belt tension equalizing device. C. Kilgus. 2,629,263, Feb. 24.
Berthable chair. V. L. R. James. 2,629,425, Feb. 24.
Beverage cooler and dispenser. Controlled temperature. R. R. Hull. 2,629,229, Feb. 24.
Bicycle wheel brace. B. F. Kells and N. M. Sider. 2,629,487, Feb. 24.
Blindfold. L. Klein. 2,629,419, Feb. 24.
Blinding device for leaves and making the same. A. Gomez. 2,629,382, Feb. 24.
Bit brace having a chuck with sliding actuator. A. M. Stoner and G. S. Haviland. 2,629,414, Feb. 24.
Board: See—
Control board.
Electrically indicating dart game board.
Bobby pin box. L. R. Westby. 2,629,389, Feb. 24.
Bomb shelter. H. Kifferstein. 2,629,348, Feb. 24.
Boring bar micrometer tool. K. Kaehli. 2,629,270, Feb. 24.
Bottle, Composite. M. Prager. 2,629,508, Feb. 24.
Bottle suspension device for freeing molds. R. Asplund. 2,629,515, Feb. 24.
Bouncing ball game device. G. H. Forsyth. 2,629,594, Feb. 24.

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Hox: See—
 Bobby pin box. Flashing tackle box.
 Box unstacker. A. A. Neja. 2,629,503, Feb. 24.
 Bracket: See—
 Fence post extended wire supporting bracket.
 Brake rotor. W. A. Halsten. 2,629,464, Feb. 24.
 Brassiere. S. H. Phillips. 2,629,099, Feb. 24.
 Brassiere cup and making same. Radiant stitched. H. W. Froehlich. 2,629,100, Feb. 24.
 Brick slicing mechanism for ice-cream sandwich machines. J. H. Keyser and V. C. Curry. 2,629,342, Feb. 24.
 Brine pump. C. E. Kerr. 2,629,331, Feb. 24.
 Broach assembly. S. J. Kopeck. 2,629,294, Feb. 24.
 Brushing mechanism. I. B. Rose. 2,629,343, Feb. 24.
 Bunting wheel and making the same. G. A. Lyon. 2,629,212, Feb. 24.
 Building construction. A. F. Thelander. 2,629,139, Feb. 24.
 Bumper-operated garage door. W. R. Dadswell. 2,629,435, Feb. 24.
 Burner: See—
 Solid fuel burner.
 Burner and burner control system for glass burn-off machines. J. W. Eldred. 2,629,203, Feb. 24.
 Butcher's apron with spacing band. L. W. Howells. 2,629,102, Feb. 24.
 Cabinet with rotatable shelves. V. F. Davidson. 2,629,643, Feb. 24.
 Calculating machine. E. P. Drake and R. S. Mark. 2,629,550, Feb. 24.
 Calf feeding device. W. P. Hoffmann. 2,629,360, Feb. 24.
 Calibrating electric oscillation generators. Method of. C. T. Daly. 2,629,829, Feb. 24.
 Cap: See—
 Self-closing and sealing Vent cap.
 Container cap.
 Capacitive lighting system. W. B. Greenlee. 2,629,839, Feb. 24.
 Capsule. M. J. Quillman. 2,629,512, Feb. 24.
 Car parking mechanism. O. J. Olson. 2,629,507, Feb. 24.
 Carbon paper holder. V. J. St. John. 2,629,612, Feb. 24.
 Carrier: See—
 Adjustable lamp carrier. Suit hanger carrier.
 Adjustable luggage carrier.
 Carrier. M. L. Brown. 2,629,527, Feb. 24.
 Cartridge. Refill. R. de Shelly. 2,629,489, Feb. 24.
 Case: See—
 Lipstick case.
 Cash register indicating system. M. Stern and R. A. Alexander. 2,629,863, Feb. 24.
 Casting wheel. R. E. Ryan and W. J. McNamara. 2,629,151, Feb. 24.
 Catalytic reforming process. V. Haensel. 2,629,683, Feb. 24.
 Catch for necklaces. I. Kamens and A. Weinstein. 2,629,130, Feb. 24.
 Caulking gun with attaching means for replaceable carton. D. N. Slobin. 2,629,517, Feb. 24.
 Cellular expanded thermostat resins. R. F. Sterling. 2,629,608, Feb. 24.
 Centering attachment for mortising machines. W. H. Jones. 2,629,411, Feb. 24.
 Ceramic articles. Making. S. S. Kistler. 2,629,161, Feb. 24.
 Certain oxyalkylated derivatives of fusible resins. M. De Groote and H. Kelsier. 2,629,704-6, Feb. 24.
 Chair: See—
 Berthable chair. Lounge chair.
 Check valve and vent valve. Combined. J. D. Langdon. 2,629,393, Feb. 24.
 Chest respirator. F. T. Wallin. 2,629,372, Feb. 24.
 Chilled water distribution system and means. J. S. Carnea. 2,629,237, Feb. 24.
 Chlorophenoxyacetaldehyde. L. R. Drake. 2,629,741, Feb. 24.
 Cigarette container and ash tray. Combined. E. J. Duhaime and F. J. Musacchia. 2,629,388, Feb. 24.
 Cigarette extinguishing device. N. C. Amen. 2,629,387, Feb. 24.
 Circuit: See—
 Automatic gain control circuit. High-frequency signal translation circuit.
 Flip-flop circuit. Telephone circuit.
 Clasp: See—
 Wedge rope clamp.
 Cloth folding shuttle. J. C. Hecker and J. E. Moore. 2,629,299, Feb. 24.
 Clothes hanger. J. E. Campbell. 2,629,526, Feb. 24.
 Clothes hanger attachment. C. D. and C. G. Loyot. 2,629,575, Feb. 24.
 Clothes hanger support for automobiles. W. D. Vealey. 2,629,528, Feb. 24.
 Clutch: See—
 Friction clutch.
 Radial flux magnetic field clutch.
 Clutch mechanism. J. N. Willand. 2,629,470, Feb. 24.
 Coating. P. Godley, 2nd, and P. J. Clough. 2,629,807, Feb. 24.
 Cobbler's nippers. T. E. Peterson. 2,629,114, Feb. 24.
 Colling and coating flat metal stock and the article formed thereby. C. Field. 2,629,673, Feb. 24.
 Coin-actuated article dispensing package. E. D. Angell. 2,629,476, Feb. 24.

Coin changer and coin control device. E. R. May. 2,629,477, Feb. 24.
 Coin collection display device. L. E. Van Lahr. 2,629,546, Feb. 24.
 Cold-rollable paving mix. B. A. Anderton. 2,629,689, Feb. 24.
 Collar fastener. C. H. McVey. 2,629,616, Feb. 24.
 Collating machine. W. H. Smith. 2,629,590, Feb. 24.
 Color chart. T. J. Muirane. 2,629,185, Feb. 24.
 Color television screen with correction for overplay. C. W. Geer. 2,629,838, Feb. 24.
 Comb and scissors. Combined. A. L. Boegehold. 2,629,171, Feb. 24.
 Combination minnow bucket and trap. H. F. Runkle. 2,629,201, Feb. 24.
 Communication system utilizing constant amplitude pulses of opposite polarities. E. M. Deloraine, S. V. Mierlo, and B. Derjavitch. 2,629,857, Feb. 24.
 Composition for textile finishing. H. L. Snyder, Jr. 2,629,702, Feb. 24.
 Compositions containing esters of a glycol and polycarboxylic acids and the treatment of cellulose therewith. W. P. Ericka. 2,629,701, Feb. 24.
 Compressor. P. Maniacalco. 2,629,543, Feb. 24.
 Compressor motor control system. H. W. Graybrook and E. W. Ames. 2,629,537, Feb. 24.
 Compressor. Motor-driven. H. Dietler. 2,629,542, Feb. 24.
 Concentration of oxidized iron ores by froth flotation in the presence of carbohydrate xanthates. E. H. Brown. 2,629,493, Feb. 24.
 Concentration of oxidized iron ores by froth flotation in the presence of carbohydrate xanthates. E. H. Brown. 2,629,494, Feb. 24.
 Concrete construction. A. F. Johnson. 2,629,135, Feb. 24.
 Connector: See—
 Electrical connector.
 Constant voltage glow discharge control device. M. A. Townsend. 2,629,842, Feb. 24.
 Construction of sensitive thermopiles. H. C. McKay. 2,629,757, Feb. 24.
 Contacting fluids. Method and apparatus for. R. B. Olney. 2,629,654, Feb. 24.
 Container. J. L. Reynolds. 2,629,534, Feb. 24.
 Container adapted to be vacuum sealed. W. E. Boschlin. 2,629,509, Feb. 24.
 Control board. C. W. Johnson. 2,629,184, Feb. 24.
 Control circuit for signal recording and reproducing systems. S. J. Begun. 2,629,861, Feb. 24.
 Control for machine tools. J. E. Makant, G. W. Smithson, and K. R. Wunschel. 2,629,163, Feb. 24.
 Control means for aircraft power plant installations. W. A. Andrews. 2,629,506, Feb. 24.
 Control system. P. S. Dickey. 2,629,552, Feb. 24.
 Control system for rotary duplicating machines. T. F. Esckalo. 2,629,844, Feb. 24.
 Controllable pitch propeller. H. J. Nichols. 2,629,451, Feb. 24.
 Controller for liquid level or the like. D. K. McIlvaine and W. P. Myers, Jr. 2,629,826, Feb. 24.
 Controlling device for engine driven compressor units. C. S. Inakec. 2,629,536, Feb. 24.
 Conveyor. J. Thomsen. 2,629,484, Feb. 24.
 Cooking oil bearing vegetable seeds and nuts. J. W. Dun-ling. 2,629,722, Feb. 24.
 Cooler for alfalfa meal and the like. W. F. Harder. 2,629,310, Feb. 24.
 Cop supplying mechanism. W. Schwelter. 2,629,483, Feb. 24.
 Core grinding machine. C. H. Miller. 2,629,209, Feb. 24.
 Corrosion inhibitors. C. F. Prutton. 2,629,676, Feb. 24.
 Corset construction. K. H. Hurwitz. 2,629,097, Feb. 24.
 Cotton stripping comb. J. D. Rust. 2,629,221, Feb. 24.
 Coupling: See—
 Fluid shear type coupling.
 Coupling for uniting a farming implement to a traction vehicle. A. E. Schenewolf. 2,629,305, Feb. 24.
 Cover: See—
 Hinged multicell cover. Wheel cover.
 Cover dropper. H. R. Baldwin. 2,629,355, Feb. 24.
 Cover for playpen pads. A. B. Moore and A. B. Sloofman. 2,629,112, Feb. 24.
 Crane cab. R. F. Dehn. 2,629,500, Feb. 24.
 Crankshaft grinding device. E. A. Fugile. 2,629,213, Feb. 24.
 Cross air blast circuit breaker. E. Salzer. 2,629,798, Feb. 24.
 Curling of green tobacco leaves. J. E. Jones. 2,629,555, Feb. 24.
 Cutter for paper mill drying rollers. Paper. J. C. Nix, III. 2,629,182, Feb. 24.
 Cylinder lock. L. E. Deutsch. 2,629,247, Feb. 24.
 Cylinder lock. B. E. Mendelsohn. 2,629,249, Feb. 24.
 Damper. Air conditioner evacuation. A. R. Harria. 2,629,235, Feb. 24.
 Deep well pump. H. E. Rose, F. M. MacDougall, and R. W. Schoen. 2,629,329, Feb. 24.
 Dehydration of fluids. C. J. Maki. 2,629,460, Feb. 24.
 Dental instrument. C. C. Kelger. 2,629,172, Feb. 24.
 Deodorizing device. D. W. Yaffe. 2,629,149, Feb. 24.
 Device for forming tobacco rods or strings. H. Kochalski. 2,629,386, Feb. 24.
 Device for loosening and distributing tobacco. H. Kochalski. 2,629,385, Feb. 24.

Device for measuring total length of assembled well casing. G. H. Link. 2,629,257, Feb. 24.
 Device for sterilizing hollow thermoplastic articles by heat. P. Kollman. 2,629,148, Feb. 24.
 Device for use with open hole testers in wells. R. E. O'Donnell. 2,629,444, Feb. 24.
 Diamond holder attachment. F. M. Mottet. 2,629,173, Feb. 24.
 Dietetic food product and preparing the same. J. B. Gordon. 2,629,665, Feb. 24.
 Discharge mechanism for hydraulic separators. W. C. Laughlin. 2,629,406, Feb. 24.
 Dish rack. C. S. Marasigan. 2,629,408, Feb. 24.
 Dishwasher with a removable and split water deflector. L. A. Davis. 2,629,392, Feb. 24.
 Dishwashing machine. F. G. Walker. 2,629,390, Feb. 24.
 Dispenser: See—
 Portable frozen confection refrigerated beverage dispenser.
 Dispensing device. J. A. Valentine. 2,629,614, Feb. 24.
 Display device. B. E. Nibert. 2,629,187, Feb. 24.
 Distributor for bituminous and like material. G. M. Etnyre. 2,629,629, Feb. 24.
 Diversity system. G. J. Rabutran. 2,629,816, Feb. 24.
 Dividing wheel having movable blades for pinching off portions of relatively advancing ribbon of dough or the like. C. D. Rice. 2,629,341, Feb. 24.
 Dock plate. R. M. Nelson. 2,629,120, Feb. 24.
 Door: See—
 Bumper-operated garage door.
 Door closer with constant flow orifice. R. M. Conklin and A. Scharf. 2,629,127, Feb. 24.
 Door holder. E. H. Sherman. 2,629,617, Feb. 24.
 Door lock. J. H. Roethel. 2,629,618, Feb. 24.
 Door lock. E. L. Schlage. 2,629,250, Feb. 24.
 Door lock retainer. H. Burdick. 2,629,248, Feb. 24.
 Double-acting lightning protector for electric installations. J. Coughard. 2,629,765, Feb. 24.
 Double gate push-off spindle for phonographs. M. J. Miller. 2,629,604, Feb. 24.
 Drag bucket and control therefor. L. Berner. 2,629,190, Feb. 24.
 Drain. Surface. A. A. Baker. 2,629,457, Feb. 24.
 Drier: See—
 Garment drier. Portable clothes drier.
 Drilling hole packer. N. N. Freling and H. L. Edwards. 2,629,446, Feb. 24.
 Drive control means for rotary duplicating machines. C. A. Levin. 2,629,322, Feb. 24.
 Drive control system. J. P. Montgomery and W. T. Hunt, Jr. 2,629,846, Feb. 24.
 Drive mechanism for washing machines and the like. C. S. Dayton. 2,629,460, Feb. 24.
 Drum gauge having aligned faucet and drum coupling. B. E. Colburn. 2,629,260, Feb. 24.
 Dry cleaning apparatus. E. E. Hallander. 2,629,243, Feb. 24.
 Dummy plug and detachable handle therefor. J. W. Determan. 2,629,761, Feb. 24.
 Dynamic braking control. R. P. Barnea. 2,629,849, Feb. 24.
 Effecting and controlling the recharge of underground formations by special wells. R. Nebolaie. 2,629,447, Feb. 24.
 Effecting the catalytic conversion of an organic reactant stream, particularly a liquid charge. Method and apparatus for. F. W. Laffer. 2,629,684, Feb. 24.
 Egg handling machine. R. C. Sneed and C. S. Jordan. 2,629,479, Feb. 24.
 Electric apparatus for controlling core-type reel drives. F. E. McLane. 2,629,850, Feb. 24.
 Electric car squeeze. W. M. Robey, Jr. 2,629,337, Feb. 24.
 Electric control for motors. W. H. McElvenny. 2,629,852, Feb. 24.
 Electric current producing cell and electrolyte therefor. S. Ruben. 2,629,758, Feb. 24.
 Electric power handsaw jig. E. Cadwell. 2,629,410, Feb. 24.
 Electrical apparatus. R. E. Pabst. 2,629,845, Feb. 24.
 Electrical broiler. Rotating. L. Varady. 2,629,314, Feb. 24.
 Electrical connector. J. C. Macy. 2,629,763, Feb. 24.
 Electrical rate generator. J. E. Taylor. 2,629,859, Feb. 24.
 Electrical switch. A. Coles, Jr., and A. Hood. 2,629,787, Feb. 24.
 Electrically indicating dart game board. E. L. Gaut. 2,629,599, Feb. 24.
 Electrolytic apparatus for production of magnesium. R. M. Hunter, R. D. Blue, and M. P. Nelpert. 2,629,688, Feb. 24.
 Electronic voltage regulator. J. E. Williams. 2,629,854, Feb. 24.
 Electropneumatic control system. H. E. Kennedy. 2,629,365, Feb. 24.
 Elevator safety device. O. E. Moyer. 2,629,461, Feb. 24.
 Emergency fire escape system. W. Hakkarinen. 2,629,531, Feb. 24.
 Emulsion polymerization of vinylidene compounds in the presence of carbamates of polyamines. C. A. Uraneck and A. C. Rothlisberger. 2,629,709, Feb. 24.
 Emulsion polymerization of vinylidene compounds in the presence of hydrazone-polyaminecarbamate compositions. C. A. Uraneck and R. J. Goertz. 2,629,708, Feb. 24.
 Enclosed arc lamp. H. B. Derl. 2,629,836, Feb. 24.

Engine: See—
 Reciprocating engine.
 Essentially non-aqueous acid emulsion cleaning composition. S. R. Dodd and E. J. Ainsley. 2,629,696, Feb. 24.
 Esters of phosphonoformic acids and polyhydric alcohols. D. Harman. 2,629,731, Feb. 24.
 Evaporator and refrigeration system. C. W. Merrill. 2,629,238, Feb. 24.
 Exercise machine. S. H. Lauastedt. 2,629,373, Feb. 24.
 Exhaustion valve. B. B. Holmes. 2,629,375, Feb. 24.
 Exhaust muffler with fluid mingling. W. W. Cushman. 2,629,455, Feb. 24.
 Extension table stabilizer. C. Whallon. 2,629,642, Feb. 24.
 Extracting ground roasted coffee. B. B. Fogler and J. B. Nugent. 2,629,603, Feb. 24.
 Fan and power transmission above. Combined. W. A. Stewart. 2,629,545, Feb. 24.
 Fan puller for oil burners. J. J. Byrnes. 2,629,167, Feb. 24.
 Fastener: See—
 Collar fastener.
 Fastener. J. E. O'Herron. 2,629,157, Feb. 24.
 Fastening device. W. G. Hanalick. 2,629,432, Feb. 24.
 Feeder. R. S. Armstrong, D. and F. S. Mogliotti. 2,629,361, Feb. 24.
 Feeder for fruit processing machines. L. F. Williams. 2,629,480, Feb. 24.
 Fence post extended wire supporting bracket. E. M. Stevens. 2,629,574, Feb. 24.
 Film-metering device. Two-way. R. E. Kesel and H. T. Robinson. 2,629,563, Feb. 24.
 Film receiving frame. G. P. Grant, Jr. 2,629,303, Feb. 24.
 Filter: See—
 Transversal electric wave filter.
 Filter. R. P. Hammond and J. A. Leary. 2,629,459, Feb. 24.
 Fingerprinting machine. L. F. Johnson and R. T. Tennant. 2,629,194, Feb. 24.
 Fire alarm and extinguisher. G. Gaffa. 2,629,449, Feb. 24.
 Fire control apparatus for controlling the flight of missiles. P. B. Hunter. 2,629,289, Feb. 24.
 Fish lure. K. R. Larson. 2,629,199, Feb. 24.
 Fishing reel. J. B. Duvall. 2,629,197, Feb. 24.
 Fishing reel. J. V. Schafer. 2,629,563, Feb. 24.
 Fishing tackle box. G. Heya. 2,629,644, Feb. 24.
 Flame hardening apparatus. C. R. Derhammer. 2,629,589, Feb. 24.
 Flip-flop circuit. J. P. Eckert, Jr., and H. F. Welsh. 2,629,825, Feb. 24.
 Floating inner pan for refrigerator cabinet doors. J. S. Palmer. 2,629,141, Feb. 24.
 Flotation of guanidine salts. K. K. Kurtz and R. B. Booth. 2,629,492, Feb. 24.
 Flow controller. H. Allen. 2,629,403, Feb. 24.
 Flowerpot. Self-watering. J. Dodds. 2,629,204, Feb. 24.
 Fluid contacting apparatus. F. T. Harter. 2,629,653, Feb. 24.
 Fluid pressure and screw operated coupling. J. N. Welland. 2,629,474, Feb. 24.
 Fluid shear type coupling. E. L. Sterner. 2,629,472, Feb. 24.
 Folding rule joint. F. Lindhe and W. H. Hodge. 2,629,179, Feb. 24.
 Folding shovel or like tool. L. H. Neiles. 2,629,624, Feb. 24.
 Folding tripod seat. J. R. Baumfeld, J. Lebovitz, and W. F. Homrighausen. 2,629,429, Feb. 24.
 Food cooking apparatus. L. V. Schaar. 2,629,315, Feb. 24.
 Food freezing apparatus. J. C. Olsen and T. A. Dungan. 2,629,233, Feb. 24.
 Forming resistor assemblies. J. Marsten and A. L. Pugh, Jr. 2,629,166, Feb. 24.
 Fountain pen construction. W. Muench. 2,629,362, Feb. 24.
 Four-point leaf spring suspension for baby carriages. E. H. Lied and J. Tompkins. 2,629,610, Feb. 24.
 Frame: See—
 Film drawing frame. Gill drawing frame.
 Friction clutch. P. C. Vincent. 2,629,473, Feb. 24.
 Friction taxi lock for airplane cross-wind main landing wheels. E. Wolf. 2,629,571, Feb. 24.
 Fruit juicer. T. G. Nelson. 2,629,317, Feb. 24.
 Fruit pitting mechanism. P. E. Luther. 2,629,416, Feb. 24.
 Fruit quartering device. P. Sbpentuk. 2,629,168, Feb. 24.
 Fruit splitter and pitter. T. M. Harter. 2,629,417, Feb. 24.
 Fuel tank panel. K. R. Henry. 2,629,680, Feb. 24.
 Fuse cutout. K. O. Hanka, Jr. 2,629,795, Feb. 24.
 Fused drop-out cutout. D. C. Hubbard and W. L. Hollander. 2,629,794, Feb. 24.
 Gambrel. Butcher's. T. J. Blosick. 2,629,128, Feb. 24.
 Garbage disposal device. D. W. Miller. 2,629,538, Feb. 24.
 Garment display device. M. Alchberger. 2,629,523, Feb. 24.
 Garment drier. A. O. Lovelace. 2,629,163, Feb. 24.
 Garment. Foundation. W. A. Rook. 2,629,098, Feb. 24.
 Garment hanger. E. A. M. Peterson. 2,629,825, Feb. 24.
 Gar lift apparatus. C. M. Peters. 2,629,335, Feb. 24.

Gate: See—

Automatic vehicle operated Gravity return bump gate.
Gate and trigger circuits employing translators. R. I. Trent. 2,629,834, Feb. 24.

Gauge: See—

Recording rain gauge.
Gauge for winding machines. Cutoff. F. G. Kraft. 2,629,181, Feb. 24.
Gear-operated pancake-type wrench for use in confined spaces. F. J. De Nute. 2,629,278, Feb. 24.

Generator: See—

Electrical rate generator. Pulse generator.
Generator lifting tool. G. G. Cannon. 2,629,584, Feb. 24.
Oil drawing frame. R. C. Becker. 2,629,137, Feb. 24.
Glass cutting gauge and breaker. D. R. Corrado. 2,629,174, Feb. 24.

Glass severing. J. W. Giffen and J. C. Overmyer. 2,629,206, Feb. 24.

Glass, Sight gauge. E. F. Vilter. 2,629,262, Feb. 24.

Glove, Baseball. H. R. Latina. 2,629,098, Feb. 24.

Golf club shipping and display receptacle. C. D. Welshenbach. 2,629,499, Feb. 24.

Gravity return bump gate. W. H. Koch and E. Strom. 2,629,191, Feb. 24.

Grease. H. J. Liehe. 2,629,692, Feb. 24.

Grease composition. H. A. Woods and J. A. Edgar. 2,629,694, Feb. 24.

Grease manufacture. W. H. Peterson. 2,629,691, Feb. 24.

Grinding wheel dressing mechanism. S. P. Bruce. 2,629,368, Feb. 24.

Grooving tool. A. H. Nolde and A. D. Guagliardo. 2,629,269, Feb. 24.

Ground roller hold-down attachment for lawn mowers. J. H. Johnston. 2,629,222, Feb. 24.

Guard for vehicle bumpers. R. N. Baker. 2,629,623, Feb. 24.

Guideline holder. L. N. Zinken. 2,629,178, Feb. 24.

Halobicycloalkyl aromatic compounds. Production of. L. Schmerling. 2,629,749, Feb. 24.

Halomethylated vinyl-aromatic copolymers. C. H. McBurney. 2,629,710, Feb. 24.

Halosiloxanes. Preparing. J. F. Hyde. 2,629,726, Feb. 24.

Hand line guide. J. A. Truchon, Sr. 2,629,585, Feb. 24.

Handle: See—

Registering chamber magazine handle.

Handle construction for bit braces or the like. W. J. Cavanagh. 2,629,412, Feb. 24.

Hanger: See—

Clothes hanger. Garment hanger.

Hardening gelatin silver halide emulsions. Process of. F. W. H. Mueller. 2,629,659, Feb. 24.

Harrow with yielding tooth bars. E. H. Knebn and T. M. Larson. 2,629,217, Feb. 24.

Hay stacker. P. Mattice. 2,629,505, Feb. 24.

Head covering. E. Berg. 2,629,103, Feb. 24.

Heat dissipating wheel cylinder construction for hydraulic automotive vehicle brakes. W. R. Freeman. 2,629,463, Feb. 24.

Heat protector roof construction for vehicles. H. P. Wittlen. 2,629,347, Feb. 24.

Heat stabilizer for vinyl resins. S. S. Caldwell, G. J. Chertoff, and G. B. Curtiss. 2,629,700, Feb. 24.

Heat-treating textile fabrics. Method and apparatus for. H. E. Peck. 2,629,182, Feb. 24.

Heater for asphalt and tars. J. F. Seever. 2,629,366, Feb. 24.

Heating equipment. Adjustable dielectric. R. H. Hagopian. 2,629,812, Feb. 24.

Helicopter-airplane. O. A. Carnahan. 2,629,370, Feb. 24.

Helicopter rotor control system. N. J. Papadakis. 2,629,567, Feb. 24.

Helicopter rotor cycle pitch control. R. P. Alex. 2,629,452, Feb. 24.

Helmet. J. L. Kleinman. 2,629,095, Feb. 24.

Heterogeneous, acidic hydrolysis of polymeric esters. M. T. Goebel. 2,629,713, Feb. 24.

High selectivity receiver. R. S. Halley. 2,629,818, Feb. 24.

High-frequency coupling circuits. G. W. Fyler and A. Goldsmith. 2,629,822, Feb. 24.

High-frequency signal translation circuit. L. R. Philpott. 2,629,821, Feb. 24.

Highly corrected telephoto objective lens. J. G. Baker. 2,629,285, Feb. 24.

Hinged multiroll cover. L. E. Wells and R. M. Raney. 2,629,760, Feb. 24.

Hinged pole construction. C. W. Rhea. 2,629,465, Feb. 24.

Hobbing machine. O. E. Staples and A. J. Bent. 2,629,290, Feb. 24.

Holder: See—

Carbon paper holder. License holder.

Door holder. Mason's trig line holder.

Guideline holder. Safety fishhook holder.

Hose nozzle. D. W. Wright. 2,629,633, Feb. 24.

Hosiery. W. Mueller. 2,629,241, Feb. 24.

Hot-water heating system. L. H. Gillick and T. J. Lebane. 2,629,554, Feb. 24.

Hulling tung fruit and the like. H. L. Smith, Jr., and J. G. Miller. 2,629,418, Feb. 24.

Hydrant for aircraft refueling. H. C. Krone and W. Meyer. 2,629,395, Feb. 24.

Hydraulic control system. T. C. Rusconi. 2,629,306, Feb. 24.

Hydraulic jack. J. J. Mueller. 2,629,583, Feb. 24.

Hydraulic lift mechanism. J. O. Stephenson and J. H. Hills. 2,629,582, Feb. 24.

Hydraulic power aligning mechanism. R. A. Polson. 2,629,226, Feb. 24.

Hydraulic shock absorber. H. L. Peck. 2,629,462, Feb. 24.

Hydraulic transmission. D. E. Tripp. 2,629,332, Feb. 24.

Hydrocarbon synthesis. E. T. Layng. 2,629,729, Feb. 24.

Hydrogenated 1,1,3-trimethyl-3-phenyl indane. G. C. Wiggins. 2,629,751, Feb. 24.

Ignition breaker. H. L. Fuston. 2,629,788, Feb. 24.

Illumination and signaling system for drive-in theaters. J. F. Byrd and J. D. Phyle. 2,629,780, Feb. 24.

Implement power lift and position control. J. H. Boll and A. V. Raught. 2,629,307, Feb. 24.

Implement to facilitate manifold. W. S. Schuck and B. D. Hendrickson. 2,629,613, Feb. 24.

Impregnated fibrous wallboard and method of making. W. P. Erickson. 2,629,648, Feb. 24.

Inclinable press. A. W. Schultz. 2,629,318, Feb. 24.

Inductance tuning unit. F. O. Chesus and J. T. Koleda. 2,629,860, Feb. 24.

Injection syringe. P. Gallice and P. and L. Nogier. 2,629,376, Feb. 24.

Ink supply means for felt nibbed pens. S. N. Rosenthal. 2,629,359, Feb. 24.

Insect repellent attachment for screen doors. E. J. Vaillancourt. 2,629,628, Feb. 24.

Insecticidal composition comprising a thermal decomposition product of pentachloropentadiene acid. H. M. Hill. 2,629,681, Feb. 24.

Inserting and sealing machine. E. McVey. 2,629,214, Feb. 24.

Insulation cuff. R. E. Erickson. 2,629,422, Feb. 24.

Intake pipe. N. C. Swanson. 2,629,334, Feb. 24.

Intercarrier television receiver. W. J. Stroh and W. S. Druz. 2,629,769, Feb. 24.

Interference Schlieren apparatus of unusually large dimensions, having means for improving the interference quality by selective one point deformation of the reflecting elements of the device. T. W. Zobel. 2,629,283, Feb. 24.

Invalid handling apparatus. H. A. Wickey. 2,629,106, Feb. 24.

Iron nitride catalysts in carbon oxide hydrogenations. R. B. Anderson and J. F. Schultz. 2,629,728, Feb. 24.

Isomerizing paraffins with aluminum halides and decalins. Method of. F. E. Condon. 2,629,754, Feb. 24.

Isopropylbenzene treatment. G. G. Joris. 2,629,744, Feb. 24.

Jack: See—

Hydraulic jack.

Jacket, Life. L. P. Frieder. T. H. Garber, and E. G. Baker. 2,629,116, Feb. 24.

Jacket, Life, having eccentrically positioned rotation material. L. P. Frieder and T. H. Garber. 2,629,117, Feb. 24.

Jet type perforating unit. W. G. Sweetman. 2,629,325, Feb. 24.

Jogger. R. C. Line, Jr. 2,629,592, Feb. 24.

Joint: See—

Folding rule joint.

Key retainer. A. Schwalberg. 2,629,251, Feb. 24.

Killing weeds. F. L. Stark, Jr. 2,629,635, Feb. 24.

Ladder construction. G. W. Tupper and O. N. Mertz. 2,629,532, Feb. 24.

Lamp: See—

Enclosed arc lamp.

Latch: See—

Safety door latch.

Latch bolt keeper. J. H. Roethel. 2,629,620-2, Feb. 24.

Latching device for storm windows. M. J. Nardulli. 2,629,466, Feb. 24.

Lead seal casting machine. Automatic. W. R. Scott. 2,629,150, Feb. 24.

License holder. G. W. Hughea. 2,629,193, Feb. 24.

Lid for cooking utensils. L. Goanell. 2,629,511, Feb. 24.

Link post construction for binders. P. O. Derringer and R. W. Davis. 2,629,224, Feb. 24.

Linoleum binder containing esters formed by reacting unsaturated drying oil fatty acids and hydroxyalkyl ethers of polyhydric alcohols. C. T. Fiacella. 2,629,668, Feb. 24.

Lipstick case. D. M. See. 2,629,488, Feb. 24.

Liquid applying means. Retractable. M. T. N. Mahruki. 2,629,123, Feb. 24.

Liquid metal ammino anila compounds. S. Rosenzweig and W. M. Fuchs. 2,629,682, Feb. 24.

Liquid pistol and spotlight. Combination. L. E. Badham. 2,629,516, Feb. 24.

Liquid proportioner. J. J. Duggan. 2,629,448, Feb. 24.

Liter. L. Wenger. 2,629,351, Feb. 24.

Lithium lubricating greases. Manufacture of. J. B. Matthews, D. Evans, W. D. Carwell, and J. F. Hutton. 2,629,695, Feb. 24.

Live bait saving bobber. S. L. Johnston. 2,629,198, Feb. 24.

Load compensating network. R. B. Dome and R. F. Foster. 2,629,819, Feb. 24.

Loading apparatus. E. F. Meltz. 2,629,506, Feb. 24.

Lock: See—

Cylinder lock. Door lock.

Loom attachment for production of fringe. S. P. Parker. 2,629,404, Feb. 24.

Loom lug and check strap. H. Büchl. 2,629,405, Feb. 24.

Lounge chair. F. J. Luketa. 2,629,428, Feb. 24.

Lubricating composition. R. C. Barton, R. F. Bergstrom, and J. M. Plantfeber. 2,629,693, Feb. 24.

Luminescent tube support for sign structures and the like. R. Brown. 2,629,814, Feb. 24.

Machine for assembling insoles and prefitted uppers. E. Quinn and I. I. Hersey. 2,629,119, Feb. 24.

Machine for automatically carding curlers. W. F. Feyrer. 2,629,296, Feb. 24.

Machine for fabricating laminated signatures provided with sheet metal inserts. D. B. Looser. 2,629,423, Feb. 24.

Machine for milling plastics. A. W. Hanson and W. E. Donaldson. 2,629,129, Feb. 24.

Machine for testing the component parts of the injection systems of compression-ignition engines. L. Hartridge. 2,629,255, Feb. 24.

Machine tool. T. F. Eserkain. 2,629,293, Feb. 24.

Machine tool. O. E. Staples. 2,629,291, Feb. 24.

Machine-tool unit. D. S. McCullough. 2,629,262, Feb. 24.

Machining of turbine or axial compressor blades. G. C. J. Legg and C. M. Mitchell. 2,629,208, Feb. 24.

Magnetic amplifier circuit for applying reversible direct-current voltage to inductive loads. W. F. Eames and W. H. Esselman. 2,629,847, Feb. 24.

Magnetically controlled packless valve. W. G. Miller. 2,629,401, Feb. 24.

Making ethylene by catalytic pyrolysis. L. K. Frevel and J. W. Hedelund. 2,629,753, Feb. 24.

Manufacture of lap-resistant synthetic rubber. J. E. Charles. 2,629,707, Feb. 24.

Manufacturing articles from vinyl resins. R. P. Molitor. 2,629,134, Feb. 24.

Marine anchor. J. E. Jones. 2,629,337, Feb. 24.

Marine harvester with conveyor. J. P. Smith. 2,629,218, Feb. 24.

Mason's trig line holder. L. N. Zinken. 2,629,177, Feb. 24.

Massaging device. J. Acerbi. 2,629,374, Feb. 24.

Material holder for drilling. F. C. Foss. 2,629,271, Feb. 24.

Mattress construction. R. F. Korney. 2,629,111, Feb. 24.

Means for engaging and disengaging rotary cutters. H. H. Eager. 2,629,441, Feb. 24.

Measurement of levels of materials in tanks. A. H. McKinney. 2,629,261, Feb. 24.

Measuring device. Automatic electrical. T. M. Berry. 2,629,843, Feb. 24.

Mechanism for creasing box blank material. G. S. Sillars and W. B. Hall. 2,629,298, Feb. 24.

Mechanism for loading sheet material into magazines. C. G. Preis and R. E. J. Nordquist. 2,629,502, Feb. 24.

Memory system. J. P. Eckert, Jr., and J. W. Mauchly. 2,629,827, Feb. 24.

Merchandising display for luminous coated flashlights and the like. J. C. Calhoun, W. L. Davidson, and K. J. Hansen. 2,629,830, Feb. 24.

Mercury switch. J. C. Hardy. 2,629,797, Feb. 24.

Meter: See—

Parking meter.

Method and device for applying rubber coatings to fabric bands. W. Stegemann. 2,629,424, Feb. 24.

Method and means for butt welding. A. C. Body. 2,629,805, Feb. 24.

Method and means for folding shirts. G. W. Johnson. 2,629,520, Feb. 24.

Method and means for hot-air radiant heating. A. A. Lahti. 2,629,309, Feb. 24.

Method and means of measuring current collector wear. T. H. Sawyer. 2,629,862, Feb. 24.

Method for treating cellulose and product thereof. W. P. Erickson. 2,629,674, Feb. 24.

Method of producing tetra. G. Dessaigne. 2,629,739, Feb. 24.

Milk chute refrigerator. F. Malek. 2,629,231, Feb. 24.

Modified starch-urea-formaldehyde water resistant adhesive. E. E. Moore. 2,629,699, Feb. 24.

Moisture-content recorder for gases under pressure. W. M. Deaton. 2,629,253, Feb. 24.

Molded fibre article. M. P. Chaplin. 2,629,533, Feb. 24.

Molding apparatus. T. N. Wilcox, M. E. Gale, and K. R. Stadthaus. 2,629,132, Feb. 24.

Motion check for cutting shears. H. R. Howell. 2,629,170, Feb. 24.

Motor-driven compressor unit. M. Drewes, Jr. 2,629,539, Feb. 24.

Motor-driven rotary pump. I. N. Meline. 2,629,330, Feb. 24.

Motor starting switch. G. D. Fitch. 2,629,792, Feb. 24.

Mounting: See—

Ophthalmic mounting. Telescope mounting.

Seat mounting. Vehicle wheel mounting.

Mounting for metallic window shades. J. J. Fry. 2,629,467, Feb. 24.

Mounting for pressure responsive device. H. D. Warsaw. 2,629,801, Feb. 24.

Multicolor negative film with integral masking images. H. H. Duerr, H. W. Morrell, Jr., and H. C. Harsh. 2,629,657, Feb. 24.

Multiple acting heel for shoes. H. C. Stein. 2,629,189, Feb. 24.

Multiple angle piezoelectric searching unit. W. K. Hooper. 2,629,835, Feb. 24.

N-alkyl-N-alpha-phenyl anilines. L. P. Kyrides. 2,629,720, Feb. 24.

N-benzyl-ethoxynaphthylpropanolamines and method of producing same. M. C. Fernald. 2,629,738, Feb. 24.

N-oxyalkyl-p-aminobenzoates. D. I. Weisblatt, B. J. Magerlein, D. R. Myers, S. T. Rolison, and A. R. Hanze. 2,629,733, Feb. 24.

N-oxyalkyl-p-aminobenzoyl glutamates. D. I. Weisblatt, A. R. Hanze, B. J. Magerlein, D. R. Myers, and S. T. Rolison. 2,629,734, Feb. 24.

9-chloro- or 9-bromodecalin. Production of. F. E. Condon. 2,629,748, Feb. 24.

- Pneumatic timing relay. J. C. Ponstingl. 2,629,793, Feb. 24.
- Pneumatic unloader. P. R. Hornbrook. 2,629,637, Feb. 24.
- Polish remover, Fingernail. W. F. Merritt. 2,629,124, Feb. 24.
- Polyether amines and a process for their production. J. J. Carnes. 2,629,740, Feb. 24.
- Polyglycol ethers of alkyl phenol sulfides. L. W. Burnette and J. M. Cross. 2,629,743, Feb. 24.
- Porous anhydrous lithium hydroxide granules. W. H. Sebecbter and E. D. Osgood. 2,629,652, Feb. 24.
- Portable clothes drier. H. G. Dittow. 2,629,810, Feb. 24.
- Portable drill press. I. T. Hart. 2,629,267, Feb. 24.
- Portable frozen confection dispenser. K. B. Maxwell. 2,629,344, Feb. 24.
- Position indicating apparatus. R. M. Page. 2,629,866, Feb. 24.
- Pottery ware sagger. A. J. Briggs. 2,629,159, Feb. 24.
- Poultry waterer regulating valve. N. F. Toadvine. 2,629,396, Feb. 24.
- Power boat steering and control means. F. E. Whiting. 2,629,356, Feb. 24.
- Power means for folding shirts. G. W. Johnson and J. R. Petre. 2,629,521, Feb. 24.
- Power-operated clipping device. C. K. Grieder. 2,629,220, Feb. 24.
- Power washing centrifugal separator. J. R. Orellind. 2,629,547, Feb. 24.
- Preparation and hydrolysis of esters. P. W. Morgan. 2,629,716, Feb. 24.
- Preparation and purification of 1-phenylbutadiene-1,3. L. E. Craig and C. E. Larrabee. 2,629,752, Feb. 24.
- Preparation of aminophylline. A. T. Nielsen and A. A. Romano. 2,629,717, Feb. 24.
- Press: See—
Inclinable press. Sleeve press.
Portable drill press.
Pressing machine. S. Rosenthal. 2,629,524, Feb. 24.
Pressure cooker. H. C. Davis. 2,629,312, Feb. 24.
Pressure receptacle and closure therefor. J. Ottmar, G. A. Matteson, Jr., U. U. Savolainen, and P. G. Chace. 2,629,513, Feb. 24.
Pressure receptacle and closure therefor. U. U. Savolainen. 2,629,514, Feb. 24.
Pretzel machine. H. G. Allen and O. M. Hudson. 2,629,340, Feb. 24.
Printing and molding press for soap cakes. P. Molla. 2,629,158, Feb. 24.
Printing device. W. T. Gollwitzer. 2,629,383, Feb. 24.
Process and apparatus for aging meats and storing vegetables. A. Latham, Jr. 2,629,232, Feb. 24.
Process for preparing polymers of acrylonitrile. T. E. Stainlin, H. W. Coover, and J. B. Dickey. 2,629,711-12, Feb. 24.
Process of manufacturing compound cutting machine knives. H. D. Stuck. 2,629,677, Feb. 24.
Process of removing heat-sealed adhesive labels. A. G. Quimby and J. A. Venedam. 2,629,675, Feb. 24.
Process of slotting pipe. W. B. Priddy. 2,629,164, Feb. 24.
Process of treating phosphatides and product. P. L. Julian, H. T. Iveson, and M. L. McClelland. 2,629,662, Feb. 24.
Producing container bodies. W. H. Ayres. 2,629,421, Feb. 24.
Projectile, Marker type. C. R. Edmonds. 2,629,600, Feb. 24.
Protective shield for stove and like pipes. E. Janaki. 2,629,370, Feb. 24.
Pull-operated switch. G. B. Benander. 2,629,789, Feb. 24.
Pulse flow fuel injection system for turbojet engines. R. M. Anmann. 2,629,225, Feb. 24.
Pulse generator. P. E. Grandmont. 2,629,823, Feb. 24.
- Pump: See—
Brine pump. Rotary compress pump.
Deep well pump. Rotary suction pump.
Motor-driven rotary pump.
Pump. F. R. Ladd. 2,629,328, Feb. 24.
Pump. H. C. White. 2,629,326, Feb. 24.
Punch press gauge actuator. E. Girardello. 2,629,443, Feb. 24.
Punch-removing device. A. Bolduc. 2,629,274, Feb. 24.
Puncture indicating closure for multiple dose vials. M. R. Fields. 2,629,379, Feb. 24.
Purification of butanediol. F. Grosser. 2,629,686, Feb. 24.
Purifying phosphate rock containing iron impurities. L. E. Dupont, J. E. Archer, and W. F. Carter. 2,629,650, Feb. 24.
Racing game scorekeeping device. L. A. and W. E. Bach. 2,629,602, Feb. 24.
- Rack: See—
Dish rack. Peanut stacking rack.
Radial flux magnetic fluid clutch. J. Rabinow. 2,629,471, Feb. 24.
Radiation measuring device. R. G. MacKay and G. H. McLaughlin. 2,629,824, Feb. 24.
Radiation softening. D. W. Atchley, Jr. 2,629,831, Feb. 24.
Radio echo apparatus for detecting and measuring the speed of moving objects. J. L. Barker. 2,629,865, Feb. 24.
Radio echo direction determining apparatus. J. La Via. 2,629,868, Feb. 24.
- Radioactive resistor. J. M. Benade, E. E. Goodale, and W. P. Jesse. 2,629,837, Feb. 24.
Raft. Life. R. R. Hansen. 2,629,115, Feb. 24.
Rail joint bar and rail joint prepared therewith. J. F. Causey. 2,629,556, Feb. 24.
Railroad spike and retainer for the same. A. Rosenberg. 2,629,557, Feb. 24.
Rake, Side delivery. S. D. Russell. 2,629,223, Feb. 24.
Range aperturing device. A. H. Schooley. 2,629,867, Feb. 24.
Rapid-change flash lamp socket. A. B. Fox. 2,629,762, Feb. 24.
Rathole drilling apparatus. P. M. Harbour. 2,629,586, Feb. 24.
Razor blade edge straightener. E. M. Tierney. 2,629,211, Feb. 24.
Reaction of ethers with acids using ion exchange resins catalysts. D. L. Cottle and D. W. Young. 2,629,735, Feb. 24.
Rearview mirror structure. F. Budreck. 2,629,286, Feb. 24.
Receiver tuning device. B. Parsen. 2,629,864, Feb. 24.
Reciprocating floor bottom for unloading vehicles. W. R. Peterson. 2,629,504, Feb. 24.
Reciprocating washer and centrifugal drier provided with shock absorbing hydraulic suspension assembly. J. W. Chamberlin. 2,629,245, Feb. 24.
Reciprocating engine. G. F. McClay. 2,629,363, Feb. 24.
Recirculating delay system. J. Snyder. 2,629,820, Feb. 24.
Record changer, Automatic. B. R. Carson. 2,629,603, Feb. 24.
Recording rain gauge. S. E. Nothmann and B. Friedmann. 2,629,258, Feb. 24.
Reduction of phase distortion. D. H. Ring. 2,629,772, Feb. 24.
Reduction of phase distortion. D. H. Ring. 2,629,782, Feb. 24.
- Reel: See—
Fishing reel. Oxygen acetylene hose reel.
Refrigerated beverage dispenser. R. R. Hull. 2,629,236, Feb. 24.
Refrigerated table for microtomes. C. R. Turner. 2,629,230, Feb. 24.
Refrigerating apparatus. G. R. Ohmart. 2,629,544, Feb. 24.
Refrigerator car bracing panel system. W. G. Koch. 2,629,338, Feb. 24.
Refrigerator tank. H. C. Bergmann. 2,629,228, Feb. 24.
Registering chamber magazine handle. R. Stettler. 2,629,413, Feb. 24.
Regulating system. E. L. Harder and S. L. Bradley. 2,629,853, Feb. 24.
- Regulator: See—
Electronic voltage regulator.
Reinforced wooden bowling pin. H. E. Luedtke. 2,629,596, Feb. 24.
Removable guide pin. N. M. Marallius. 2,629,615, Feb. 24.
Removing dissolved solids from water. W. C. Bauman. 2,629,690, Feb. 24.
Repeater for rolling mills. G. B. Tener. 2,629,273, Feb. 24.
Replaceable point for plow shares. R. C. Frevik. 2,629,308, Feb. 24.
Replacement roll accelerating mechanism for web splicing device. P. L. Tolison. 2,629,582, Feb. 24.
Replacement stem for faucets and the like. C. F. Scholtis and I. Hersbrun. 2,629,580, Feb. 24.
Resinous composition comprising phenol-aldehyde and ketone-aldehyde condensation products. G. K. Vogel-sang. 2,629,703, Feb. 24.
Retarded set cement and slurries thereof. H. H. Kaveler. 2,629,667, Feb. 24.
- Ring: See—
Platonic ring.
Roll member. K. Kaiser. 2,629,136, Feb. 24.
Rolling mill control. F. J. Wood. 2,629,272, Feb. 24.
Roof opening apparatus for railroad freight cars. J. L. Kovachick. 2,629,339, Feb. 24.
Rotary auger and saw bit. I. Chafins. 2,629,113, Feb. 24.
Rotary compress pump. R. G. Olden. 2,629,333, Feb. 24.
Rotary roasting fork. L. A. Norville, Jr., and J. L. McDonald, Jr. 2,629,313, Feb. 24.
Rotary suction pump. H. G. Beck. 2,629,540, Feb. 24.
Rotatable brushing tool for cleaning pipe threads. S. W. Petre. 2,629,121, Feb. 24.
Ruler construction. F. G. Carlson. 2,629,180, Feb. 24.
Rust preventative composition. A. J. Morway and D. W. Young. 2,629,666, Feb. 24.
Safety device for power lifts, Automatic. E. C. Gilbert, Jr. 2,629,851, Feb. 24.
Safety door latch. J. M. Schumann. 2,629,246, Feb. 24.
Safety fishhook holder. F. Woodhead. 2,629,200, Feb. 24.
Safety valve for regulating and testing light pressures. G. Kulick. 2,629,399, Feb. 24.
Salt water still. G. H. Shiva. 2,629,687, Feb. 24.
Sanitary underwear liner. E. W. Schweikert. 2,629,380, Feb. 24.
Scanning device. W. M. Cady and D. B. Nicholson. 2,629,828, Feb. 24.
Scrambling switch. D. E. Hooker. 2,629,475, Feb. 24.

- Scraping device for rolling pins. A. J. Check. 2,629,345, Feb. 24.
- Sealed headlight having auxiliary reflector. J. L. Grupen and S. M. Wheeler. 2,629,815, Feb. 24.
- Sealing device for plastic sheet material. J. Frye. 2,629,809, Feb. 24.
- Seat: See—
Folding tripod seat.
Seat construction. B. D. McIntyre. 2,629,427, Feb. 24.
Seat mounting. P. E. Hawkins. 2,629,426, Feb. 24.
Self-closing and sealing container cap. A. D. Pedagno. 2,629,518, Feb. 24.
Semiconductive translating devices, Making. M. Sparks. 2,629,672, Feb. 24.
Semiconductor amplifier or oscillator device. H. Nelson and B. N. Slade. 2,629,787, Feb. 24.
Semiconductor signal translating device. G. L. Pearson. 2,629,800, Feb. 24.
Separation of closely boiling fractions from a binary mixture. J. E. Gantt. 2,629,239, Feb. 24.
- Separator: See—
Power washing centrifugal separator.
Serial number printing control device. V. P. Baptist. 2,629,320, Feb. 24.
Sewing machine with protective covering slitting means. H. C. Paulson. 2,629,352, Feb. 24.
Shaving implement. J. L. Kleinman. 2,629,169, Feb. 24.
Sheet counting and tab inserting device. R. B. Smith. 2,629,300, Feb. 24.
Sheet handling mechanism for rotary printing presses. H. K. Baumgardner and J. D. Kreis. 2,629,323, Feb. 24.
Sheet metal bearings, Producing. G. B. Stillwagon, Jr. 2,629,165, Feb. 24.
Shirt folder. E. N. Neckel. 2,629,519, Feb. 24.
Shock wave washer with vacuum operated squeezer extractor. H. J. Rand. 2,629,244, Feb. 24.
Shoe sewing machine. D. P. Hay. 2,629,353, Feb. 24.
Short stop zanthalon. A. Robertson. 2,629,714, Feb. 24.
Shuffleboard pin. D. C. Rockola. 2,629,601, Feb. 24.
Shutterless recording oscillographic camera. F. P. Warlick. 2,629,646, Feb. 24.
Shuttle. A. Cross. 2,629,406, Feb. 24.
Side slipping weft detector. H. A. Whitin. 2,629,407, Feb. 24.
- Signal: See—
Aircraft distress signal.
Signal converter. H. E. Goldstine. 2,629,775, Feb. 24.
Signal transmission system. W. Koenig, Jr. 2,629,779, Feb. 24.
Silver halide emulsions containing nondiffusing azo dyes. J. A. Sprung. 2,629,658, Feb. 24.
Sleeve press. R. G. McLagan. 2,629,522, Feb. 24.
Sliding door locking mechanism. J. A. May. 2,629,619, Feb. 24.
Snap switch. R. G. Le Toucheau. 2,629,791, Feb. 24.
Snapping roll with rubber inserts. E. K. Karlsson. 2,629,384, Feb. 24.
Solenoid operated actuator. F. J. Vargo. 2,629,766, Feb. 24.
Solid fuel burner. P. L. Gross. 2,629,350, Feb. 24.
Solvent extraction process. W. I. Denton and R. B. Bishop. 2,629,730, Feb. 24.
Spent acid restoration process. M. C. Fuqua. 2,629,747, Feb. 24.
Spool operating device. R. R. King. 2,629,566, Feb. 24.
Spray nozzle. R. H. Munson. 2,629,632, Feb. 24.
Spring clip for fastening papers. L. P. Ratti. 2,629,153, Feb. 24.
Spring supporting strip having a top seating portion space above a bottom reinforcing portion. H. C. Flint. 2,629,431, Feb. 24.
Square law force measuring device. F. L. Corbin. 2,629,259, Feb. 24.
Stabilized aqueous fatty compositions. B. M. Watts and H. V. Moss. 2,629,664, Feb. 24.
Stabilized azulene oil. S. Rath. 2,629,750, Feb. 24.
Stabilizing and towing attachment for bicycles. R. H. Covington. 2,629,611, Feb. 24.
Stenciling apparatus. H. A. Gattuso. 2,629,321, Feb. 24.
Stoppage cause locator for conveyors. I. S. Eggleston and C. R. Boller. 2,629,486, Feb. 24.
Storm window. S. Spector and G. J. Teplanski. 2,629,143, Feb. 24.
Stud bolt wrench. R. A. Valvano. 2,629,277, Feb. 24.
Suction nozzle with adjustable cleaning opening. C. L. Brown, Jr. 2,629,126, Feb. 24.
Sugar beet harvester and toppeer. R. L. Bowman and H. Meyer. 2,629,215, Feb. 24.
Sulfur hanger carrier. C. L. Threaston. 2,629,529, Feb. 24.
Sulfuric acid, Manufacture of. H. F. Merriam and U. S. Lauber. 2,629,651, Feb. 24.
Sulfurized fatty and waxy materials. C. J. Sunde. 2,629,721, Feb. 24.
Sun stop visor attachment. V. M. Ziller. 2,629,626, Feb. 24.
Superheterodyne receiving system. A. Cotworth, III. 2,629,817, Feb. 24.
Support for weighing scales. H. and J. Brody and J. F. Hart. 2,629,573, Feb. 24.
Surface finisher. E. F. Folks. 2,629,252, Feb. 24.
Surface finishing machine. A. P. Robinson. 2,629,210, Feb. 24.
- Supplementary letter device for typewriters. H. Simon. 2,629,478, Feb. 24.
Suspension clip device. G. Micucci. 2,629,154, Feb. 24.
Sweeper, Magnetic. S. W. Smale. 2,629,495, Feb. 24.
- Switch: See—
Electrical switch. Pull-operated switch.
Mercury switch. Scrambling switch.
Motor starting switch. Snap switch.
Syringe bag. D. E. Parks. 2,629,377, Feb. 24.
Tampoon. E. C. Brown. 2,629,381, Feb. 24.
Tandem rotor helicopter. A. B. Crosshairs, Jr., S. Klein-hans, and C. C. Wood. 2,629,568, Feb. 24.
- Tank: See—
Refrigerator tank.
Tank for lures and propulsion means therefor, Display. C. S. Renwick, Jr. 2,629,188, Feb. 24.
Tape-controlled camera shutter and release. J. Mihalyi. 2,629,302, Feb. 24.
Tape dispenser provided with adjustable brush moistener. T. H. Krueger. 2,629,358, Feb. 24.
Taximeter. R. A. Miller. 2,629,548, Feb. 24.
Telegaph receiver. V. J. Terry, J. D. Holland, and I. R. J. James. 2,629,776, Feb. 24.
Telephone call counting device. H. Feinstein. 2,629,781, Feb. 24.
Telephone circuit. H. F. Hopkins. 2,629,783, Feb. 24.
Telescope mounting. J. T. Ivy. 2,629,170, Feb. 24.
Telescope sight mount for rifles. D. R. Merritt. 2,629,175, Feb. 24.
Temple thread cutter for looms. F. F. Larson. 2,629,408, Feb. 24.
Tensile strength tester. H. M. Brown. 2,629,254, Feb. 24.
Therapeutic antimony compounds. L. W. Clemence. 2,629,724, Feb. 24.
Thermal protection for single-phase motors. T. Charlton. 2,629,848, Feb. 24.
Thermal trip mechanism for circuit breakers. R. Kern. 2,629,796, Feb. 24.
Ticket printing and issuing machine. J. Handley. 2,629,319, Feb. 24.
Time and activity occurring time comparing device. R. J. Biddlestone. 2,629,186, Feb. 24.
Timing switch mechanism for laundry folding apparatus. L. M. Kahn. 2,629,591, Feb. 24.
Titanium electrode. R. J. Bondley. 2,629,803, Feb. 24.
- Tool: See—
Boring bar micrometer. Grooving tool.
Generator lifting tool. Machine tool.
Tool feed control. A. F. Jelinek and W. E. Gross. 2,629,468, Feb. 24.
Tool for breaking concrete and the like. V. Neamand. 2,629,588, Feb. 24.
Tool for removing rivets and burrs. L. J. Veilleux. 2,629,442, Feb. 24.
Toothbrush construction, Combined. A. Den Uyl. 2,629,122, Feb. 24.
Top, Hot. W. F. Milburn. 2,629,152, Feb. 24.
Top, Tethered aerial. N. J. Stilvers and T. H. Ennis. 2,629,202, Feb. 24.
Torque converter. E. J. Thurber. 2,629,266, Feb. 24.
Toy, Moving figure wheeled. H. L. Brown. 2,629,203, Feb. 24.
Toy wheel and method of making. M. D. Walkiet. 2,629,420, Feb. 24.
Tractor mower, Front mounted. W. W. Hooley. 2,629,219, Feb. 24.
Transferring and dispensing apparatus and method. A. R. Curioni. 2,629,501, Feb. 24.
Translator amplitude modulator. L. L. Koros. 2,629,858, Feb. 24.
Translator trigger circuit. R. L. Trent. 2,629,833, Feb. 24.
Transmission. A. Y. Dodge. 2,629,265, Feb. 24.
Transversal electric wave filter. L. C. Peterson. 2,629,841, Feb. 24.
- Trap: See—
Universal steam trap.
Traverse device. M. Abbe. 2,629,560, Feb. 24.
Tray or carton. F. J. Uilrich. 2,629,535, Feb. 24.
Treatment of boiler water. J. M. Kahn and E. G. Kominek. 2,629,367, Feb. 24.
Trimming machine. W. O. Hartup. 2,629,439, Feb. 24.
Tunable protective electric breakdown device. A. Long-acre. 2,629,774, Feb. 24.
Turbocharger waste gate control. R. E. Couture. 2,629,541, Feb. 24.
2,6-di-(1-amino-4-oxylamino-2-anthraquinonyl)-1:3:4-oxadiazoles and method for their preparation. P. L. Belshaw and F. Irving. 2,629,718, Feb. 24.
2-chloro-4-nitrophenol, Preparing. E. E. Gilbert and J. V. Schurman. 2,629,745, Feb. 24.
Universal locating drill press centering apparatus. M. P. Budney. 2,629,268, Feb. 24.
Universal steam trap. A. K. Velan. 2,629,553, Feb. 24.
- Valve: See—
Automatic hydraulic safety. Poultry waterer regulating valve.
Automatic water valve. Water temperature control valve.
Exhalation valve.
Magnetically controlled packless valve.
Valve. D. S. D. Fraser. 2,629,606, Feb. 24.
Valve. J. P. Rudolph. 2,629,576, Feb. 24.

LIST OF INVENTIONS

- Valve control, Motor-driven. H. O. Kron. 2,629,264, Feb. 24.
 Valve structure for gas burners. H. L. Glwosky. 2,629,394, Feb. 24.
 Valve structure for semisolid products. M. C. Luterick. 2,629,577, Feb. 24.
 Valve timer. H. J. Weeks. 2,629,437, Feb. 24.
 Vapor-phase corrosion inhibitor. A. Wachter and N. Stillman. 2,629,649, Feb. 24.
 Vault, Underground fireproof. F. W. Dean. 2,629,349, Feb. 24.
 Vegetable digger. H. J. Rutenik. 2,629,216, Feb. 24.
 Vehicle door control, Automotive. B. J. Craig. 2,629,453, Feb. 24.
 Vehicle wheel mounting. J. C. Lewis. 2,629,634, Feb. 24.
 Venetian blind supporting and actuating structure. H. Nelson. 2,629,434, Feb. 24.
 Vent cap. J. Dick. 2,629,458, Feb. 24.
 Ventilated and automatically controlled dry cleaning apparatus. E. E. Hallander. 2,629,242, Feb. 24.
 Vest, Buoyant. L. F. Frieder, T. H. Garber, and A. G. Luisaada. 2,629,118, Feb. 24.
 Vibrating conveyor. J. W. Sberwen. 2,629,485, Feb. 24.
 Vibration absorbing handle for rock drills. J. H. Anderson. 2,629,364, Feb. 24.
 Vibration transmitting system. D. O. Sproule. 2,629,770, Feb. 24.
 Visual representation of complex waves. R. K. Potter. 2,629,778, Feb. 24.
 Vitreous decalcomania. H. C. Rathke. 2,629,670, Feb. 24.
 Vitreous decalcomania and applying the same. H. C. Rathke. 2,629,679, Feb. 24.
 Voltage control system. H. G. Welles. 2,629,840, Feb. 24.
 Voltage measurement. C. W. Hansen and R. B. Gustafson. 2,629,832, Feb. 24.
 Voltage regulator system for high and low voltage regulation. O. H. Schmitt. 2,629,855, Feb. 24.
 Water applicator for pottery ware jiggers. A. J. Briggs. 2,629,160, Feb. 24.
 Water cooling and saving arrangement for electrical welders. F. A. Van Vooren. 2,629,804, Feb. 24.
 Water purifying and degasifying apparatus and process. W. H. Green and J. M. Kahn. 2,629,889, Feb. 24.
 Water temperature control valve. E. J. Horrell. 2,629,400, Feb. 24.
 Water trap for air lines. A. C. Allen and Z. J. Lausky. 2,629,458, Feb. 24.
 Weather strip seal for door bottoms. F. R. Smith and L. E. Willett. 2,629,147, Feb. 24.
 Wedge rope clamp. J. Belpedio. 2,629,155, Feb. 24.
 Welding method and article produced thereby. C. G. Anderson. 2,629,806, Feb. 24.
 Wet compress and container. E. A. Barton. 2,629,378, Feb. 24.
 Wheel: See—
 Casting wheel.
 Wheel chair exercising adapter. J. J. Kocian and W. H. Smith. 2,629,371, Feb. 24.
 Wheel cover. G. A. Lyon. 2,629,635-6, Feb. 24.
 Wheeled golf bag. H. R. Wilson. 2,629,609, Feb. 24.
 Wide frequency-range magnetic recording and reproducing system. F. B. Daniels. 2,629,784, Feb. 24.
 Wind motor with radially pivoted blades. C. Fumagalli. 2,629,450, Feb. 24.
 Window construction. M. Rifkin. 2,629,142, Feb. 24.
 Wire-laying machine. G. W. Bell. 2,629,564, Feb. 24.
 Wool scouring process. H. P. Lundgren, W. Fong, and A. S. Yelzer. 2,629,723, Feb. 24.
 Wrench: See—
 Stud bolt wrench.
 Xanthation process. A. Robertson. 2,629,715, Feb. 24.
 Yarn changing means for circular knitting machines. E. Leaderman. 2,629,240, Feb. 24.
 Yarn packaging device. H. L. Ayala. 2,629,559, Feb. 24.
 Yarn tensioning device. E. J. Helzer. 2,629,561, Feb. 24.
 Zigzag spring cushion construction having a base and top layer of springs. H. C. Flint. 2,629,430, Feb. 24.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 24, 1953

NOTE.—First number—class, second number—subclass, third number—patent number

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